

Pantheon Report

Generated at 2018-03-13 23:00:53 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

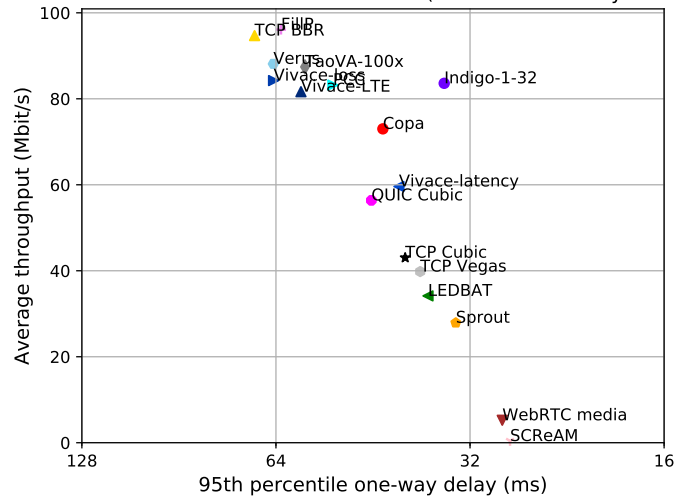
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

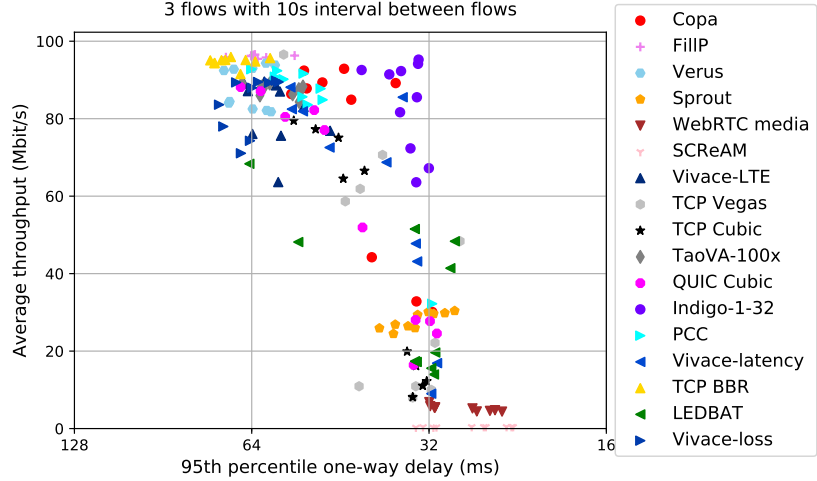
Git summary:

```
branch: master @ 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 @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



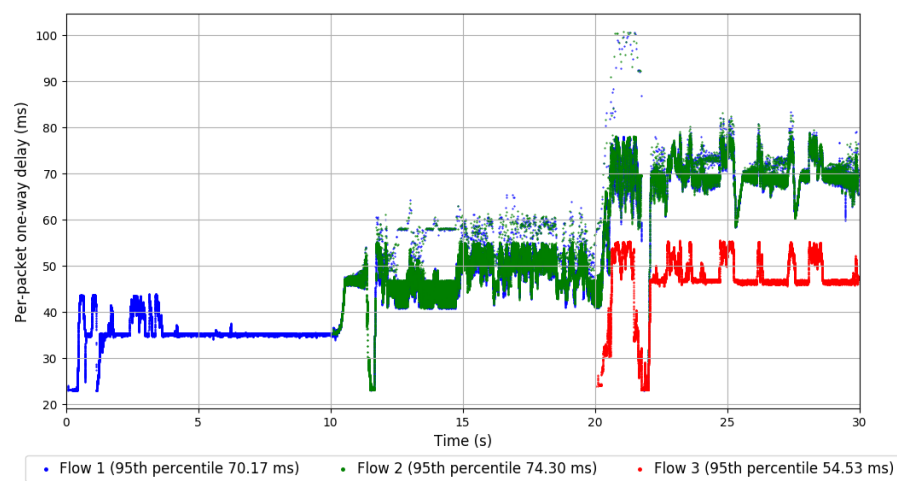
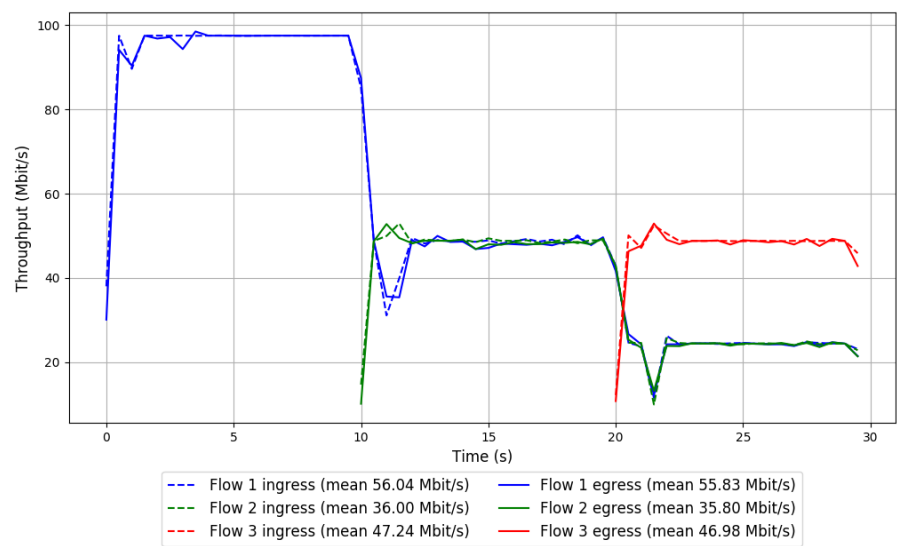
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.46	38.53	29.64	60.52	68.25	69.87	0.86	1.09	1.56
TCP Cubic	10	22.40	16.56	29.09	36.69	38.71	42.73	0.61	0.72	0.97
LEDBAT	10	19.67	15.43	12.78	35.16	38.00	37.71	0.66	0.86	1.39
PCC	10	58.01	27.10	21.81	50.80	47.36	50.25	0.63	0.88	1.31
QUIC Cubic	10	31.13	24.53	27.36	42.73	46.09	44.05	0.59	0.71	1.08
SCReAM	10	0.20	0.19	0.21	27.69	27.78	27.70	0.50	0.66	0.60
WebRTC media	10	2.79	1.73	0.72	28.28	28.23	28.90	0.95	0.99	1.43
Sprout	10	14.21	14.00	13.35	33.05	33.91	34.48	0.75	0.88	1.18
TaoVA-100x	10	51.33	38.62	31.41	53.90	56.89	58.64	0.76	0.96	1.46
TCP Vegas	10	21.91	15.76	22.43	34.63	40.04	41.26	0.59	0.84	1.07
Verus	10	53.03	37.00	32.23	60.90	62.96	65.16	0.83	0.99	1.34
Copa	10	50.23	23.86	20.84	43.58	43.15	43.25	0.81	0.91	1.55
FillP	8	59.42	39.04	32.48	57.48	61.37	60.77	0.69	1.48	3.16
Indigo-1-32	10	50.85	33.73	31.85	34.07	35.99	36.87	0.55	0.66	0.95
Vivace-latency	10	39.77	24.38	11.07	39.39	42.18	41.35	0.62	0.94	1.40
Vivace-loss	10	52.00	38.08	21.74	57.38	64.32	68.60	0.81	1.34	3.24
Vivace-LTE	10	55.07	29.68	20.88	52.30	51.84	59.72	0.75	0.98	1.52

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 14:15:29
End at: 2018-03-13 14:15:59
Local clock offset: 1.724 ms
Remote clock offset: -0.525 ms

Below is generated by plot.py at 2018-03-13 22:38:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 70.962 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 70.172 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 74.304 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 54.528 ms
Loss rate: 1.20%

Run 1: Report of TCP BBR — Data Link

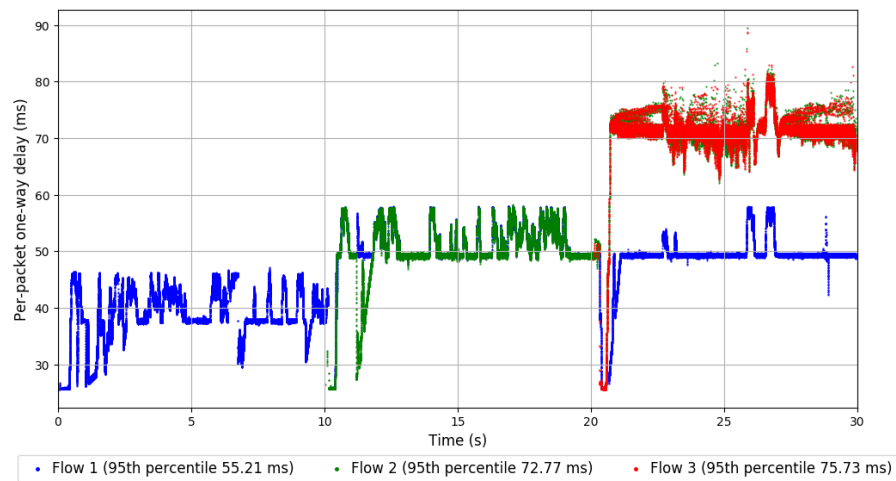
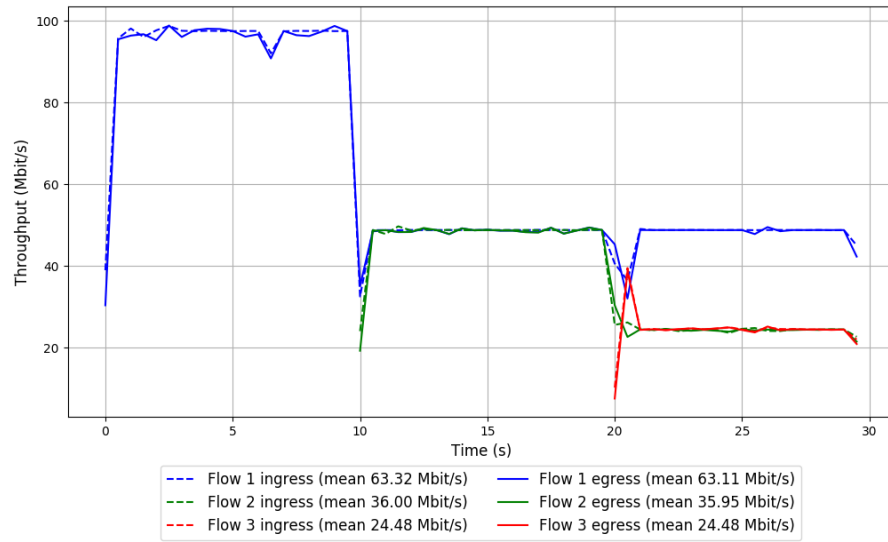


Run 2: Statistics of TCP BBR

Start at: 2018-03-13 14:40:20
End at: 2018-03-13 14:40:50
Local clock offset: 2.4 ms
Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-03-13 22:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 72.036 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: 55.207 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 72.766 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 75.730 ms
Loss rate: 0.99%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-13 15:05:00

End at: 2018-03-13 15:05:30

Local clock offset: 2.773 ms

Remote clock offset: -5.15 ms

Below is generated by plot.py at 2018-03-13 22:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 63.119 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 57.73 Mbit/s

95th percentile per-packet one-way delay: 60.959 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 39.65 Mbit/s

95th percentile per-packet one-way delay: 65.268 ms

Loss rate: 1.16%

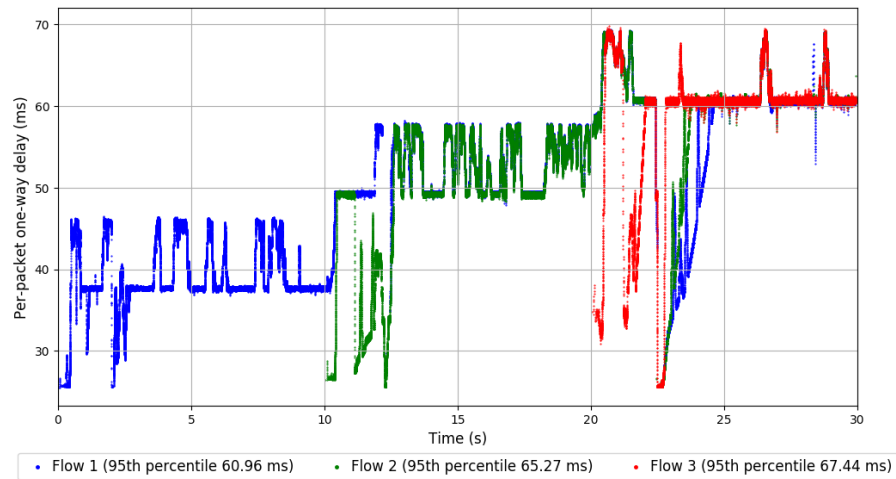
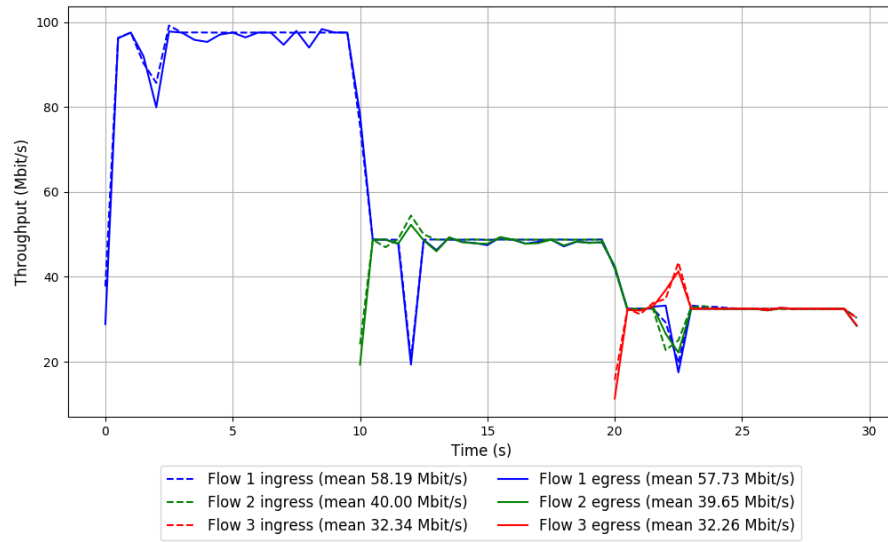
-- Flow 3:

Average throughput: 32.26 Mbit/s

95th percentile per-packet one-way delay: 67.438 ms

Loss rate: 1.03%

Run 3: Report of TCP BBR — Data Link

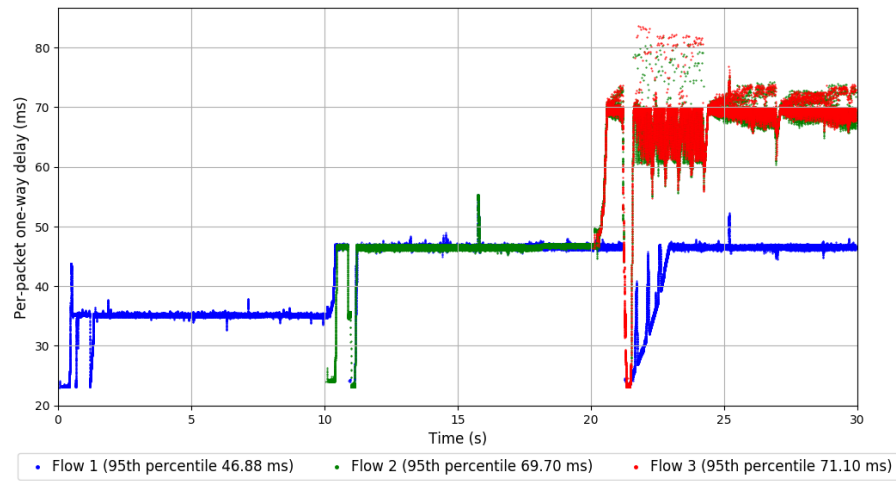
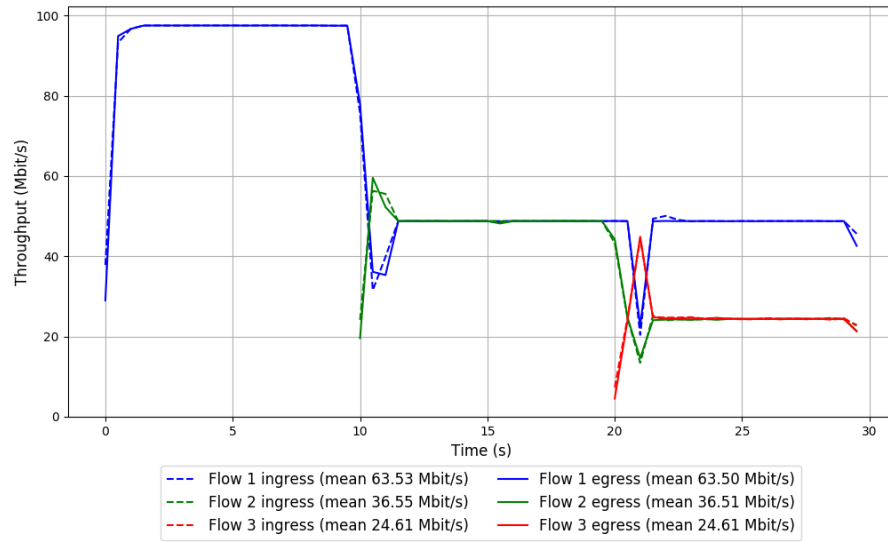


Run 4: Statistics of TCP BBR

Start at: 2018-03-13 15:30:03
End at: 2018-03-13 15:30:33
Local clock offset: 1.026 ms
Remote clock offset: -6.673 ms

Below is generated by plot.py at 2018-03-13 22:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 69.437 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 46.875 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 69.700 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 71.101 ms
Loss rate: 0.99%

Run 4: Report of TCP BBR — Data Link

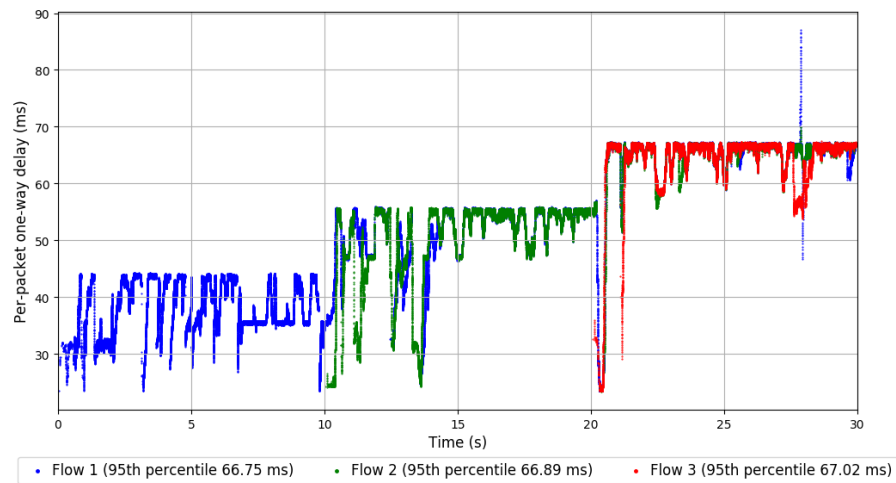
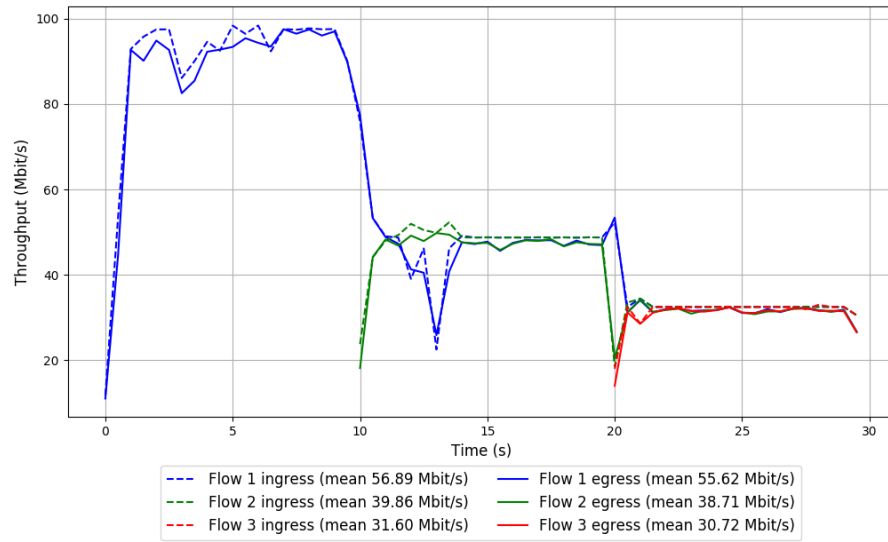


Run 5: Statistics of TCP BBR

Start at: 2018-03-13 15:56:33
End at: 2018-03-13 15:57:03
Local clock offset: 0.918 ms
Remote clock offset: -10.753 ms

Below is generated by plot.py at 2018-03-13 22:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 66.877 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 66.752 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 66.890 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 67.015 ms
Loss rate: 3.56%

Run 5: Report of TCP BBR — Data Link

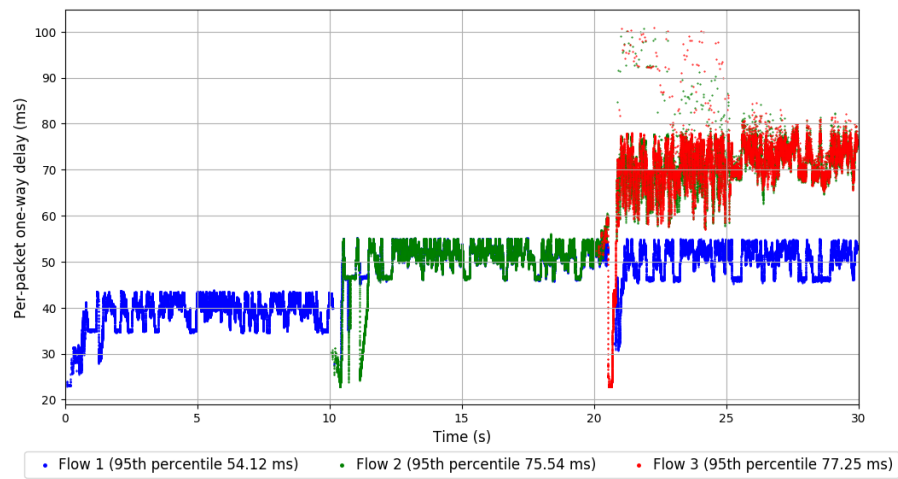
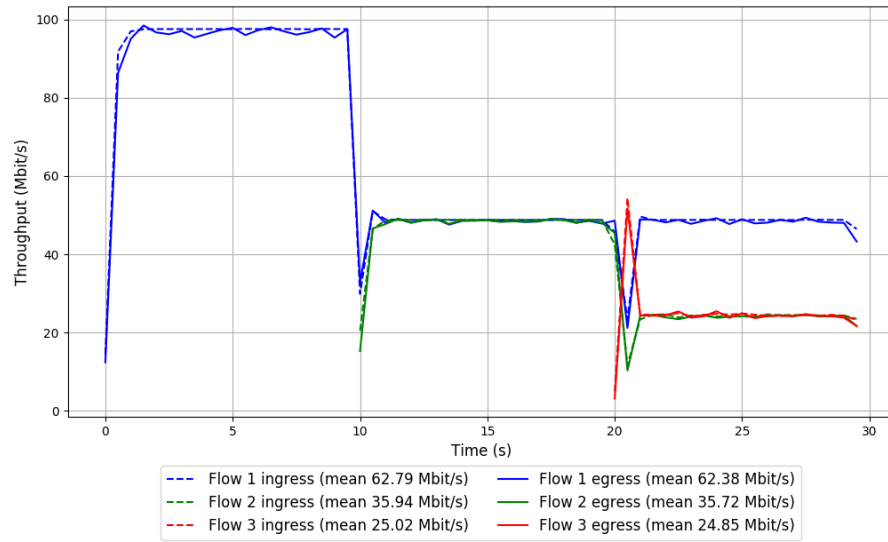


Run 6: Statistics of TCP BBR

Start at: 2018-03-13 16:22:16
End at: 2018-03-13 16:22:46
Local clock offset: 1.252 ms
Remote clock offset: -12.718 ms

Below is generated by plot.py at 2018-03-13 22:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 74.043 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 54.123 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 75.543 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 77.245 ms
Loss rate: 1.74%

Run 6: Report of TCP BBR — Data Link

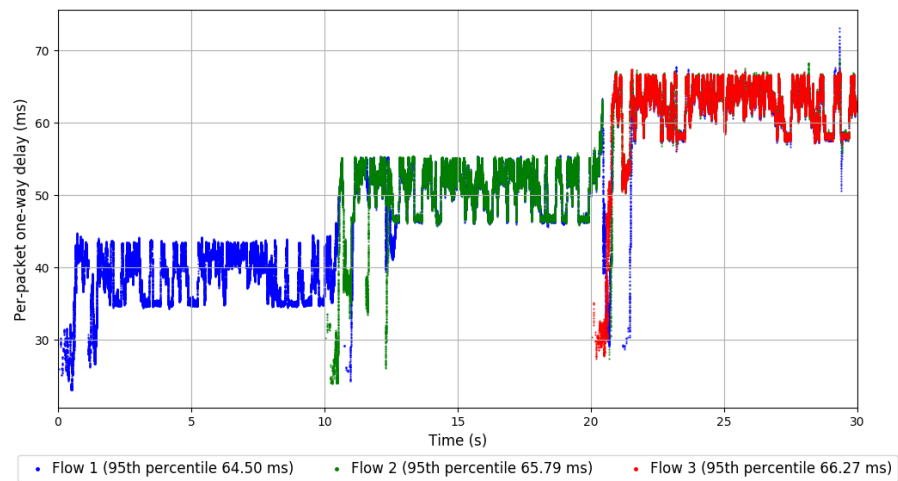
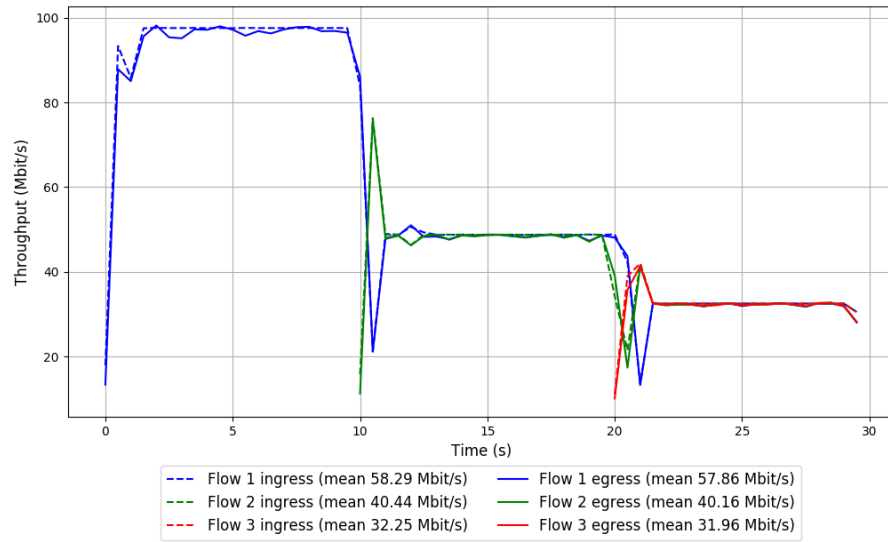


Run 7: Statistics of TCP BBR

Start at: 2018-03-13 16:49:21
End at: 2018-03-13 16:49:51
Local clock offset: 4.852 ms
Remote clock offset: -14.845 ms

Below is generated by plot.py at 2018-03-13 22:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 65.545 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 64.499 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 65.789 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 66.266 ms
Loss rate: 1.67%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-03-13 17:17:20

End at: 2018-03-13 17:17:50

Local clock offset: 6.018 ms

Remote clock offset: -3.27 ms

Below is generated by plot.py at 2018-03-13 22:38:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 73.976 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 73.144 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 46.66 Mbit/s

95th percentile per-packet one-way delay: 55.256 ms

Loss rate: 1.34%

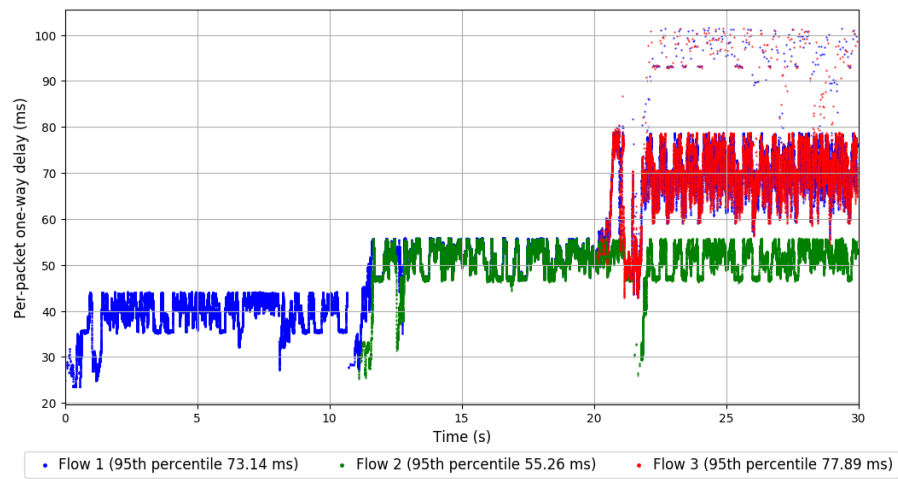
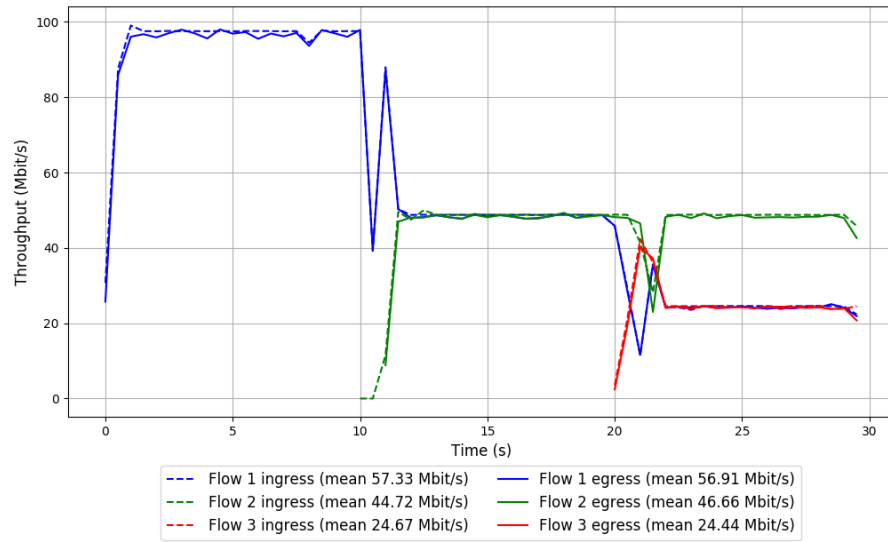
-- Flow 3:

Average throughput: 24.44 Mbit/s

95th percentile per-packet one-way delay: 77.887 ms

Loss rate: 2.02%

Run 8: Report of TCP BBR — Data Link

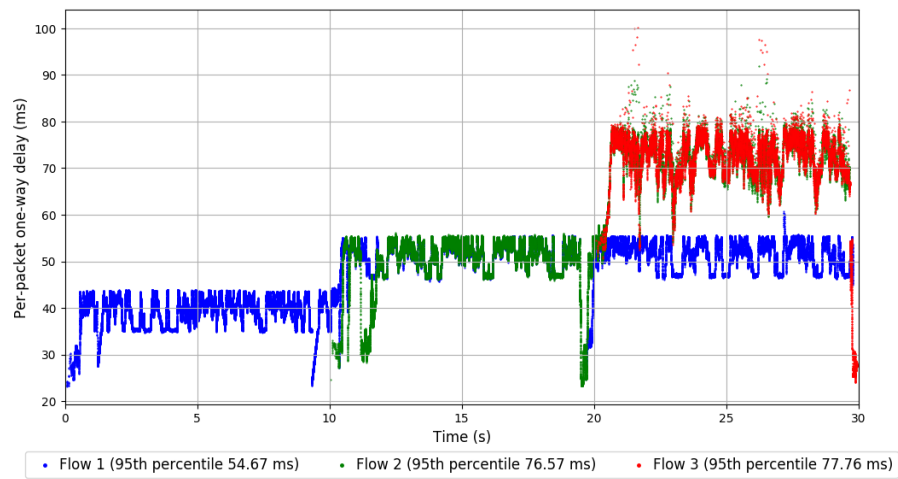
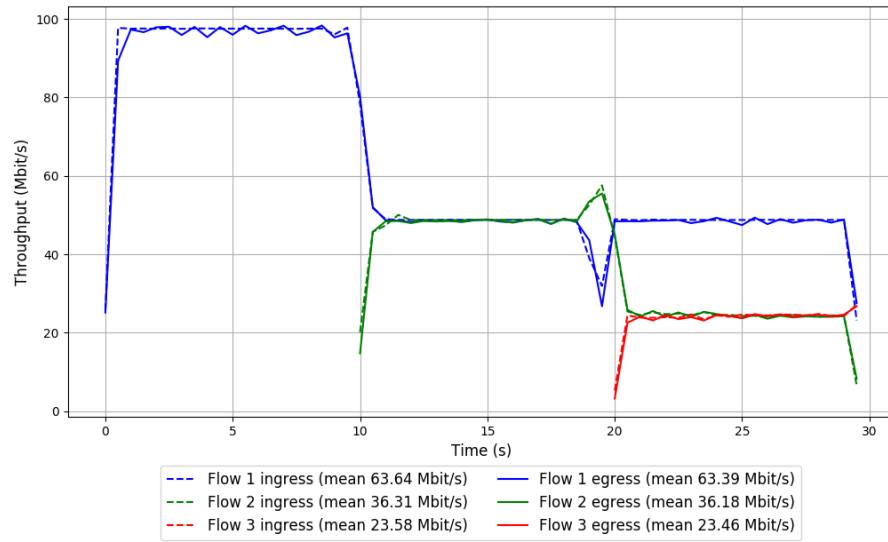


Run 9: Statistics of TCP BBR

Start at: 2018-03-13 17:44:38
End at: 2018-03-13 17:45:08
Local clock offset: 1.179 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-03-13 22:40:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 75.261 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 54.675 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 76.574 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 77.761 ms
Loss rate: 1.37%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-13 18:11:22

End at: 2018-03-13 18:11:52

Local clock offset: 0.454 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-03-13 22:40:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 59.558 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 58.834 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 60.406 ms

Loss rate: 0.51%

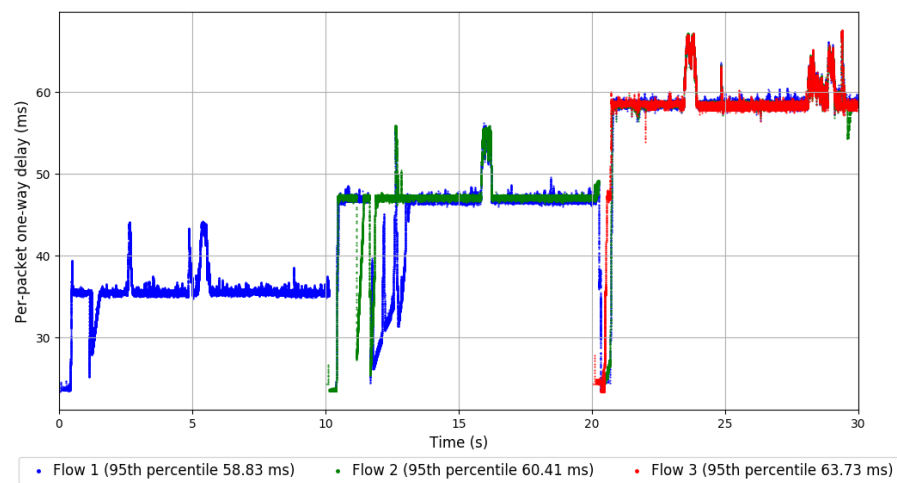
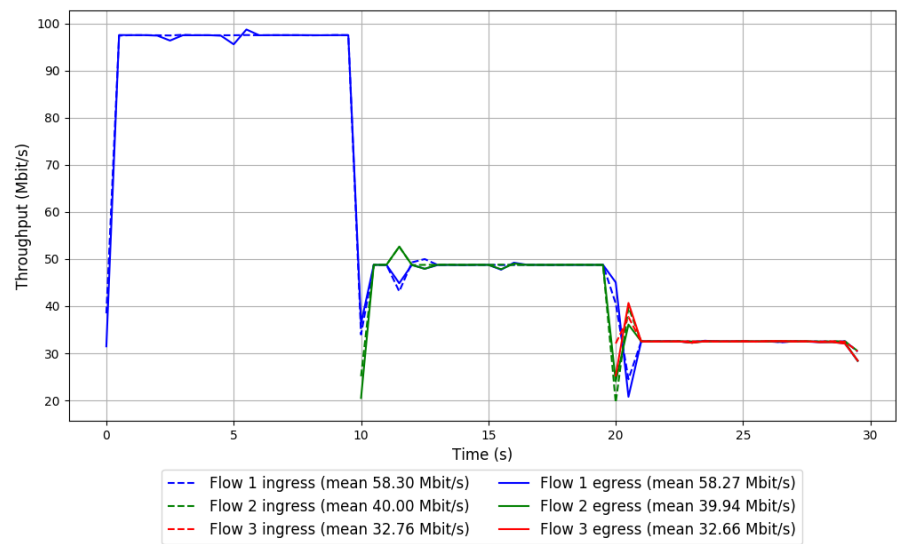
-- Flow 3:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 63.726 ms

Loss rate: 1.02%

Run 10: Report of TCP BBR — Data Link

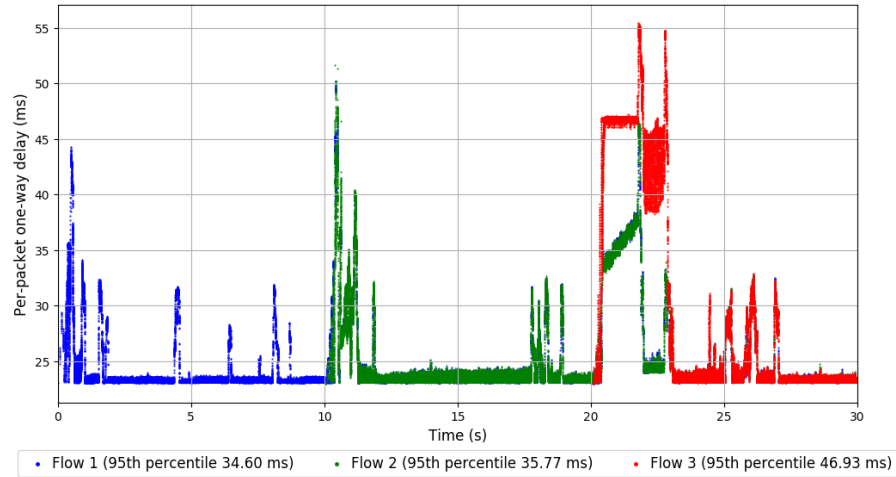
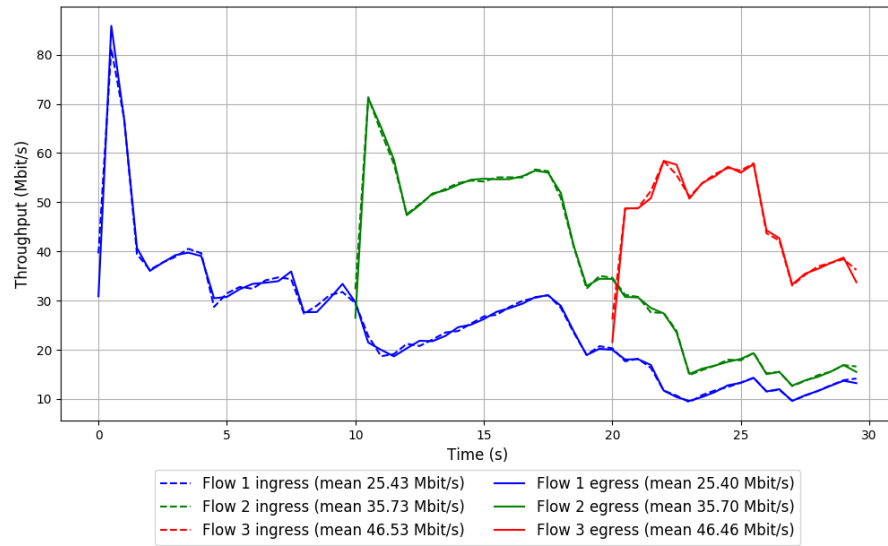


Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 14:03:15
End at: 2018-03-13 14:03:45
Local clock offset: 0.897 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: 44.746 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 34.603 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 35.70 Mbit/s
95th percentile per-packet one-way delay: 35.775 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 46.930 ms
Loss rate: 0.67%

Run 1: Report of TCP Cubic — Data Link

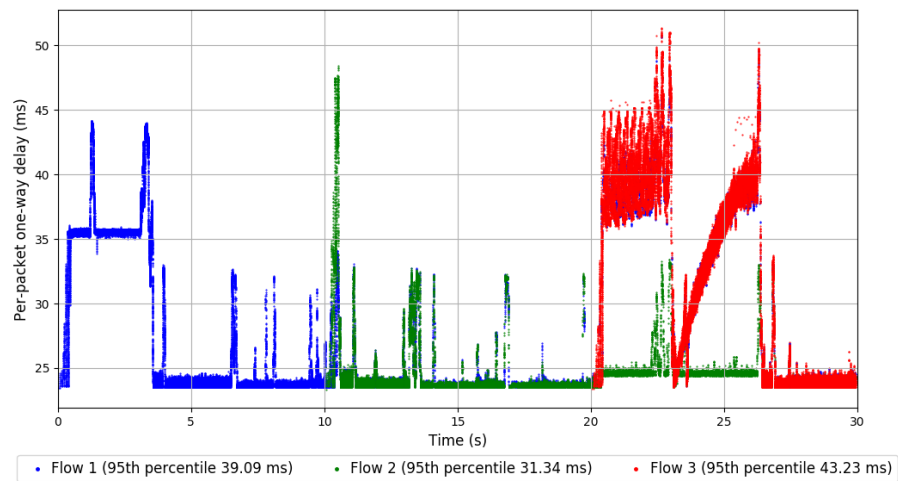
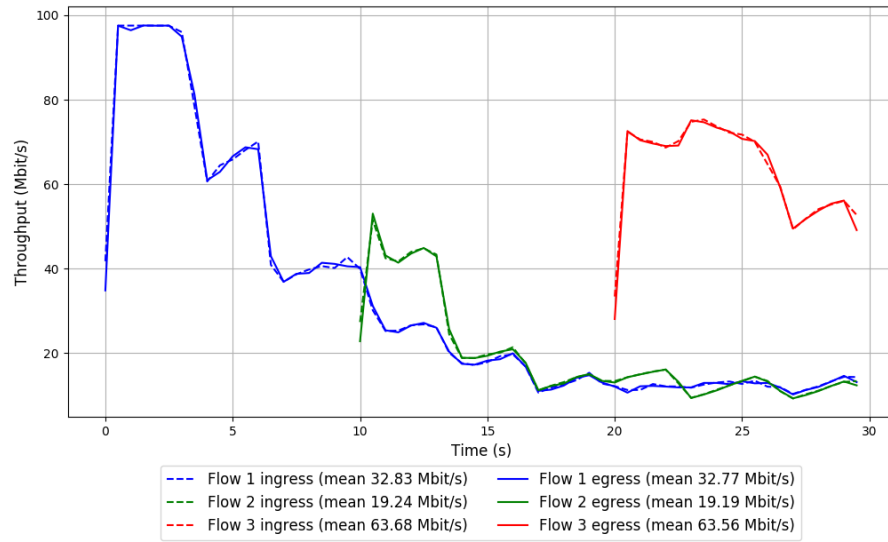


Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 14:27:57
End at: 2018-03-13 14:28:27
Local clock offset: 2.182 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.56 Mbit/s
95th percentile per-packet one-way delay: 41.184 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 39.086 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 19.19 Mbit/s
95th percentile per-packet one-way delay: 31.342 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 43.232 ms
Loss rate: 0.72%

Run 2: Report of TCP Cubic — Data Link

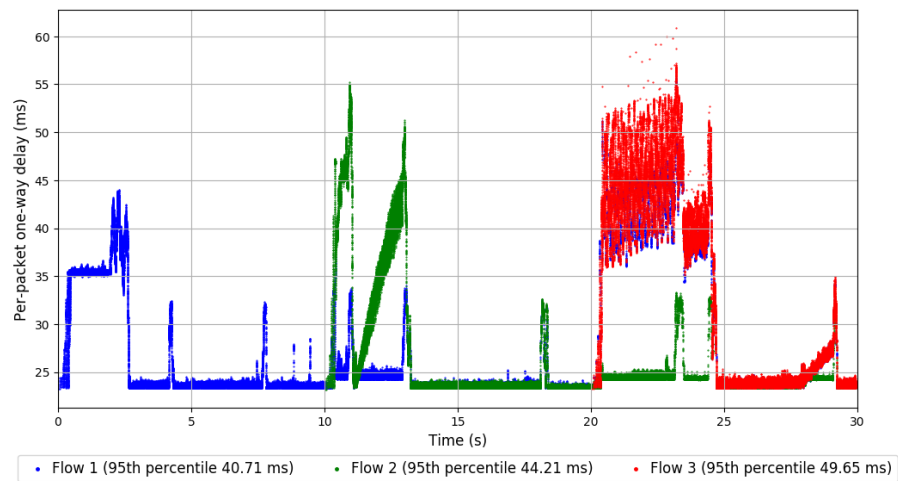
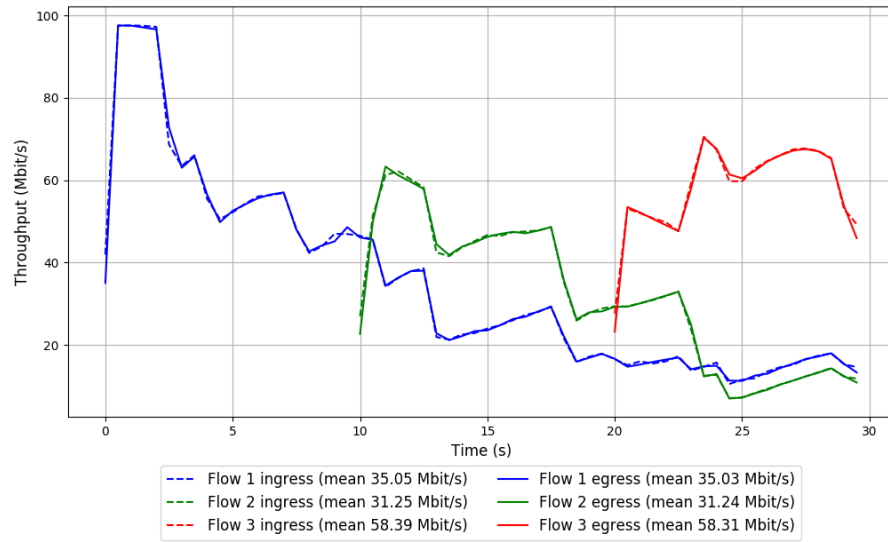


Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 14:52:41
End at: 2018-03-13 14:53:11
Local clock offset: 2.489 ms
Remote clock offset: -2.299 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 45.587 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 40.707 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 44.214 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 49.647 ms
Loss rate: 0.67%

Run 3: Report of TCP Cubic — Data Link

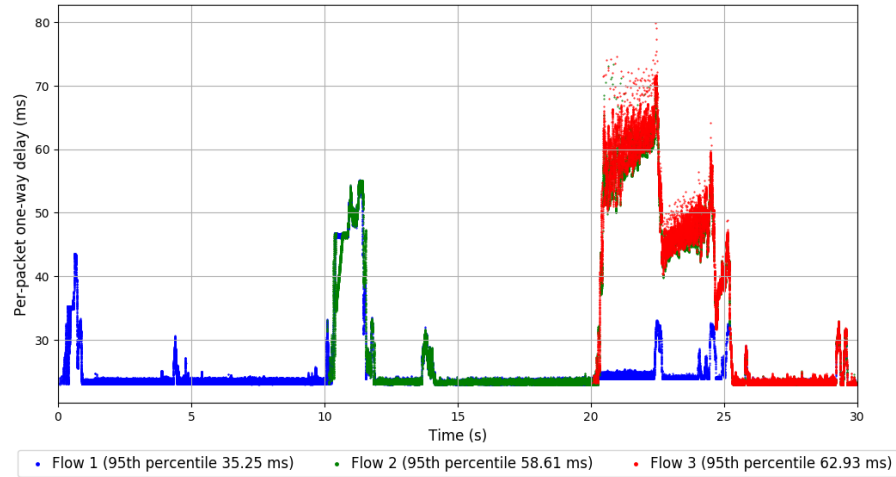
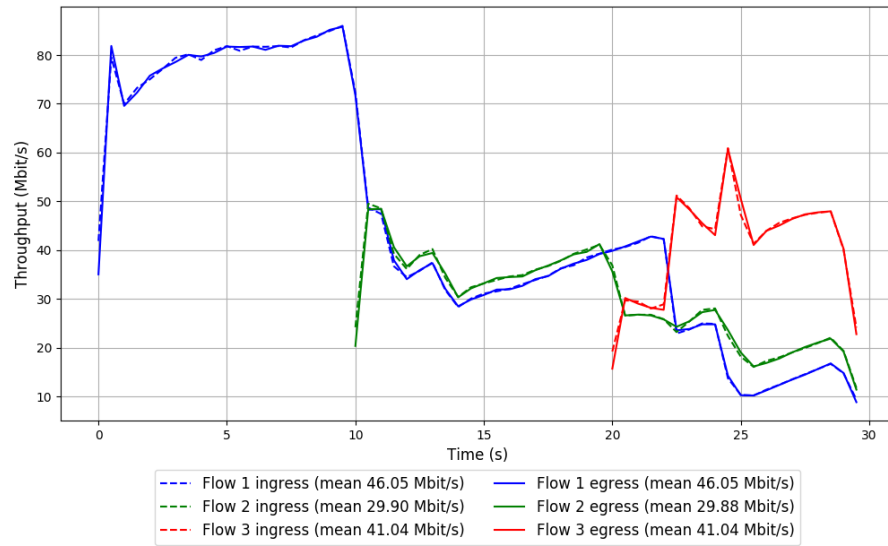


Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 15:17:26
End at: 2018-03-13 15:17:56
Local clock offset: 2.197 ms
Remote clock offset: -3.601 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 54.312 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 35.249 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 58.607 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 0.54%

Run 4: Report of TCP Cubic — Data Link

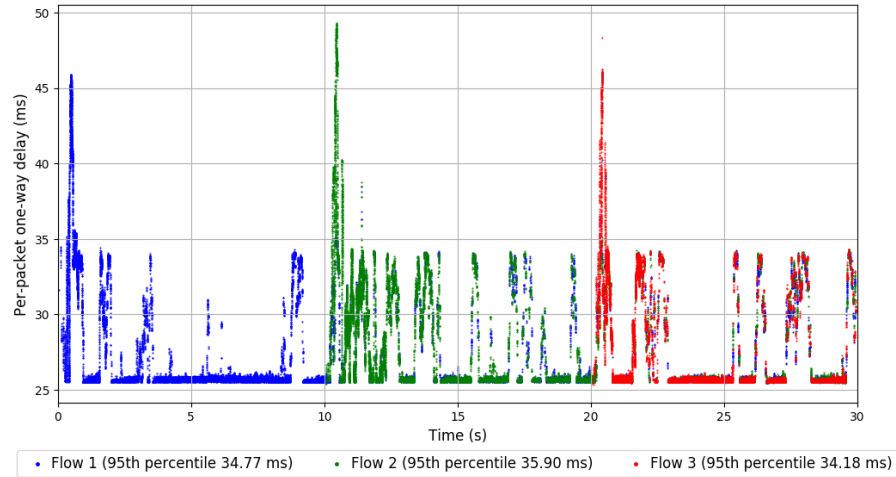
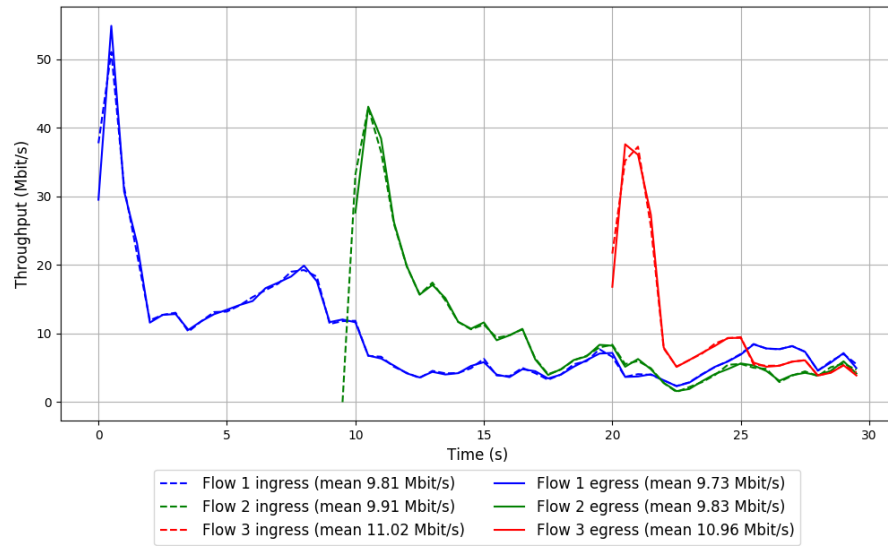


Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 15:42:35
End at: 2018-03-13 15:43:05
Local clock offset: 0.559 ms
Remote clock offset: -10.923 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 34.866 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 34.765 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 35.897 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 34.177 ms
Loss rate: 1.15%

Run 5: Report of TCP Cubic — Data Link

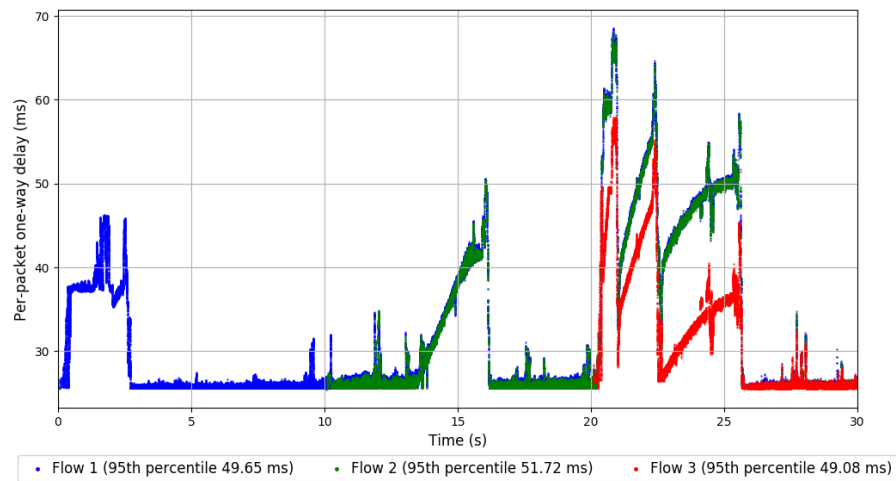
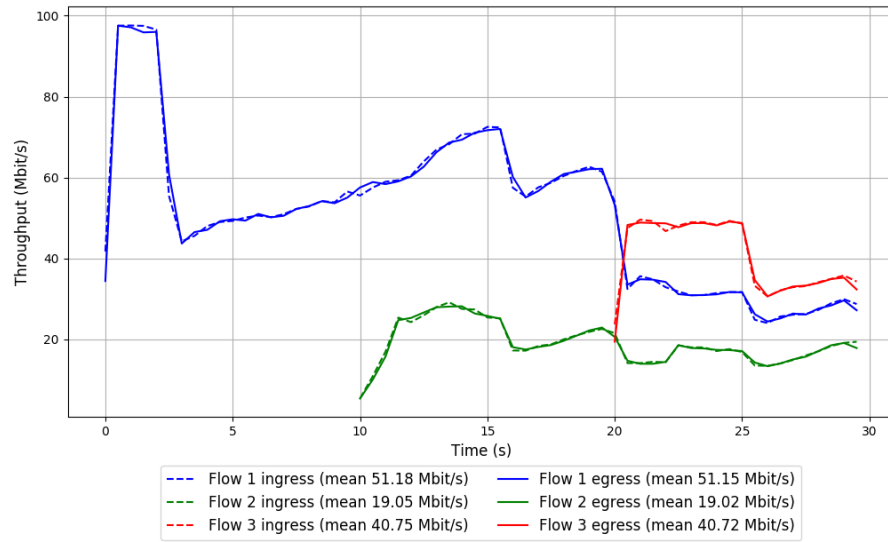


Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 16:10:01
End at: 2018-03-13 16:10:31
Local clock offset: 1.221 ms
Remote clock offset: -14.131 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 49.857 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 49.647 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 51.718 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 49.081 ms
Loss rate: 0.60%

Run 6: Report of TCP Cubic — Data Link

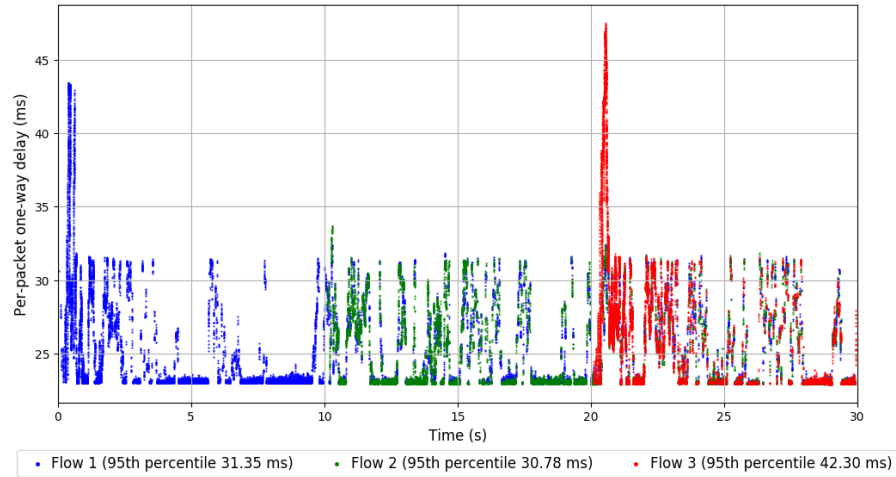
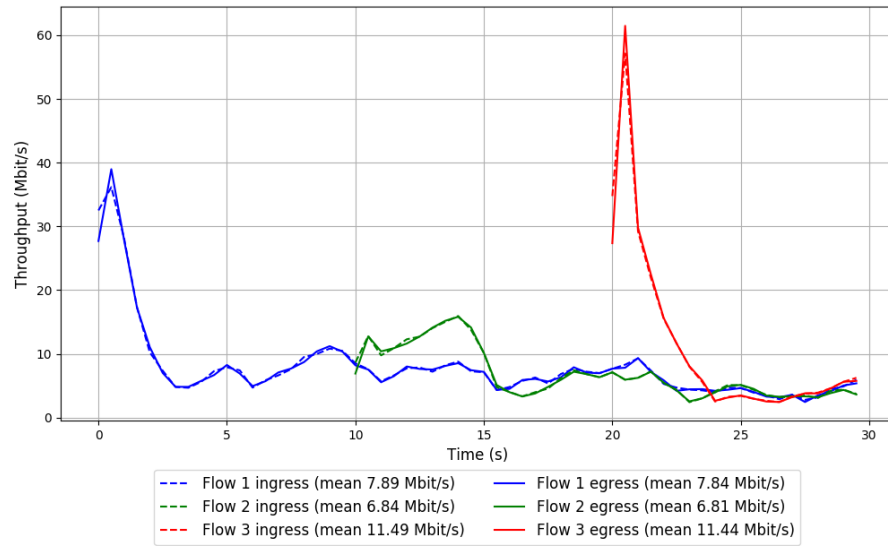


Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 16:35:16
End at: 2018-03-13 16:35:46
Local clock offset: 3.801 ms
Remote clock offset: -13.628 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 33.665 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 31.352 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 30.777 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 42.303 ms
Loss rate: 0.98%

Run 7: Report of TCP Cubic — Data Link

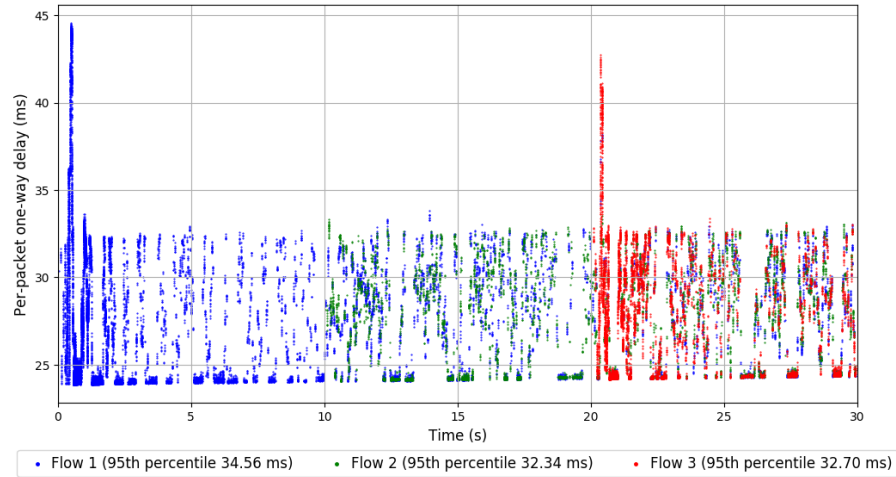
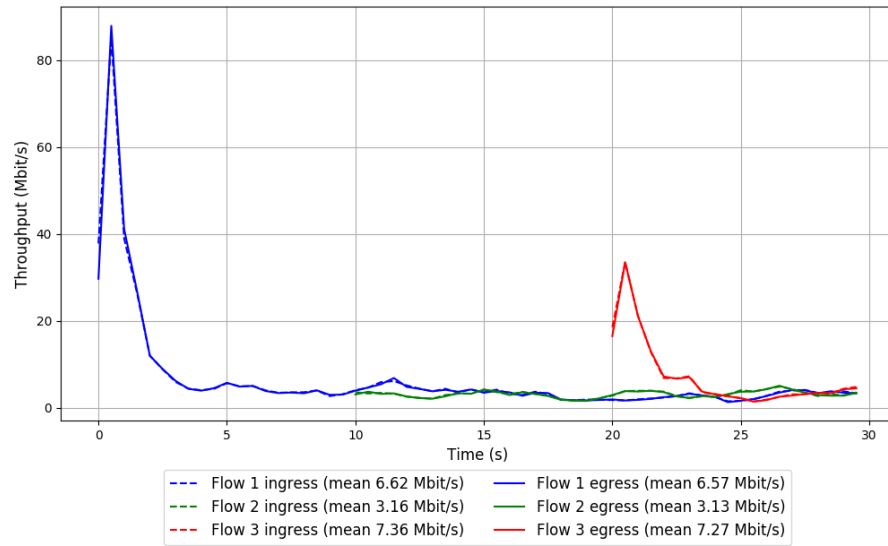


Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 17:03:10
End at: 2018-03-13 17:03:40
Local clock offset: 5.36 ms
Remote clock offset: -11.144 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 32.795 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 34.560 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 32.343 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 32.700 ms
Loss rate: 1.72%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 17:31:08

End at: 2018-03-13 17:31:38

Local clock offset: 6.135 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-03-13 22:40:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.24 Mbit/s

95th percentile per-packet one-way delay: 32.294 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 32.112 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 32.422 ms

Loss rate: 0.80%

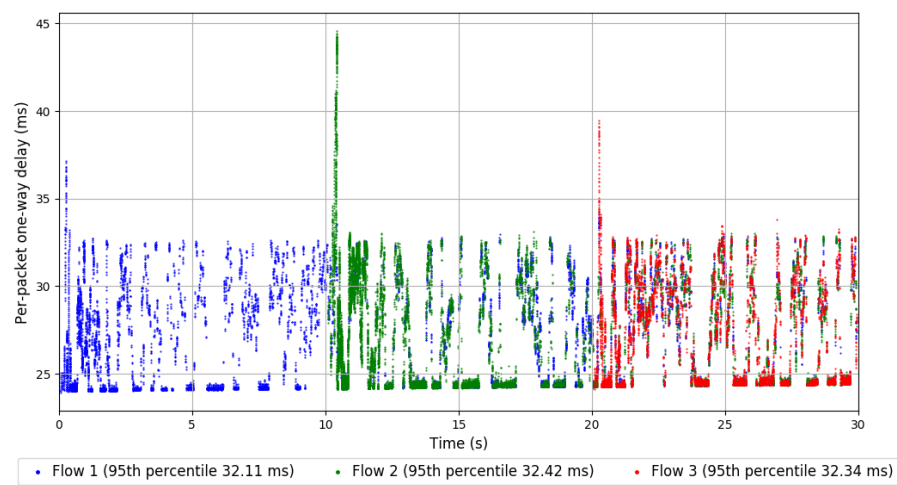
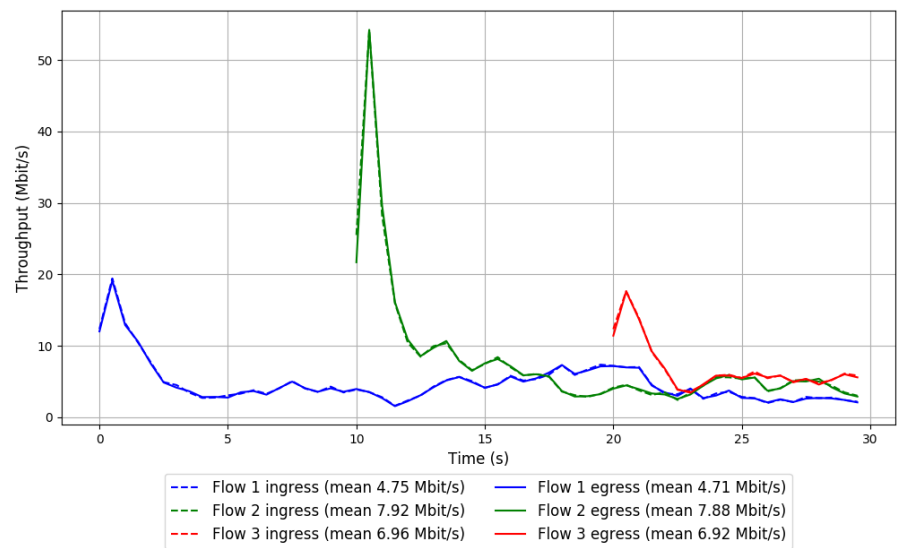
-- Flow 3:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 32.337 ms

Loss rate: 1.14%

Run 9: Report of TCP Cubic — Data Link

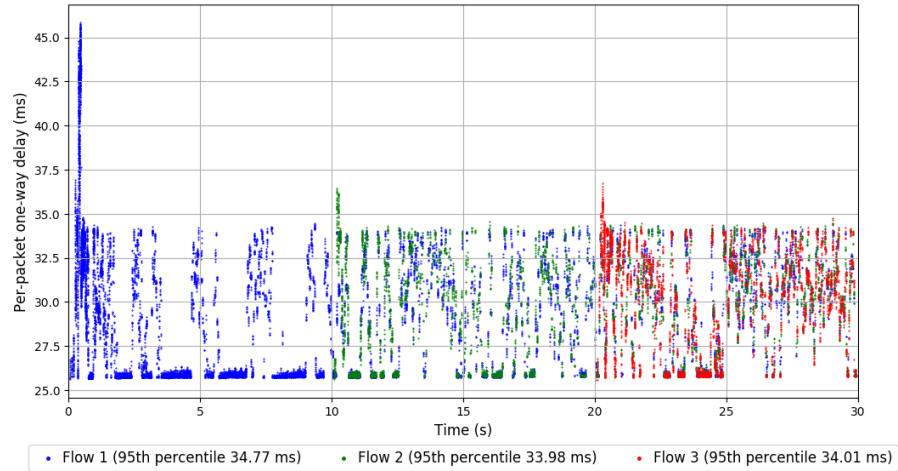
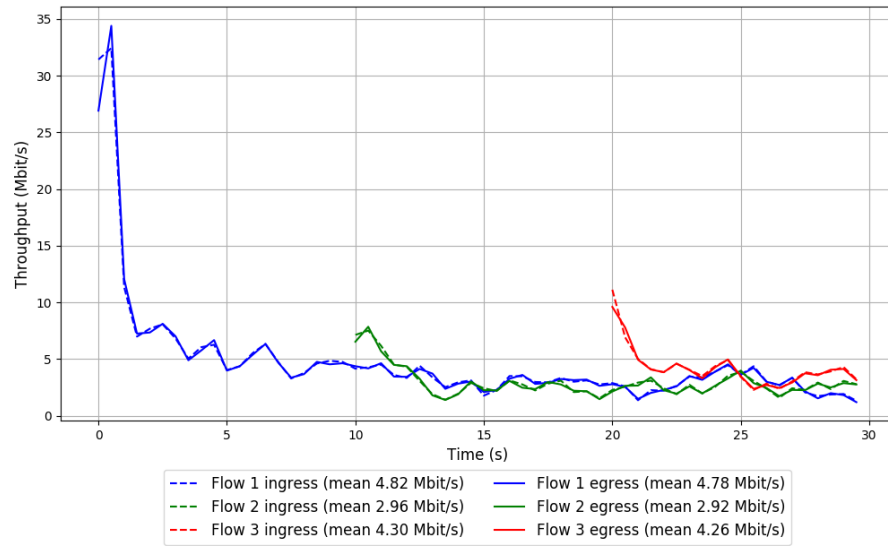


Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 17:58:01
End at: 2018-03-13 17:58:31
Local clock offset: -0.605 ms
Remote clock offset: -2.161 ms

Below is generated by plot.py at 2018-03-13 22:40:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 34.107 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 34.770 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 33.978 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 34.007 ms
Loss rate: 1.46%

Run 10: Report of TCP Cubic — Data Link

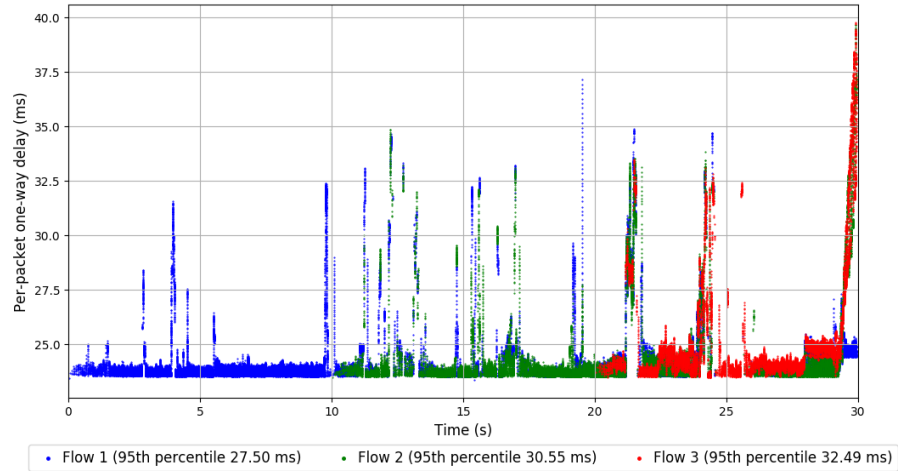
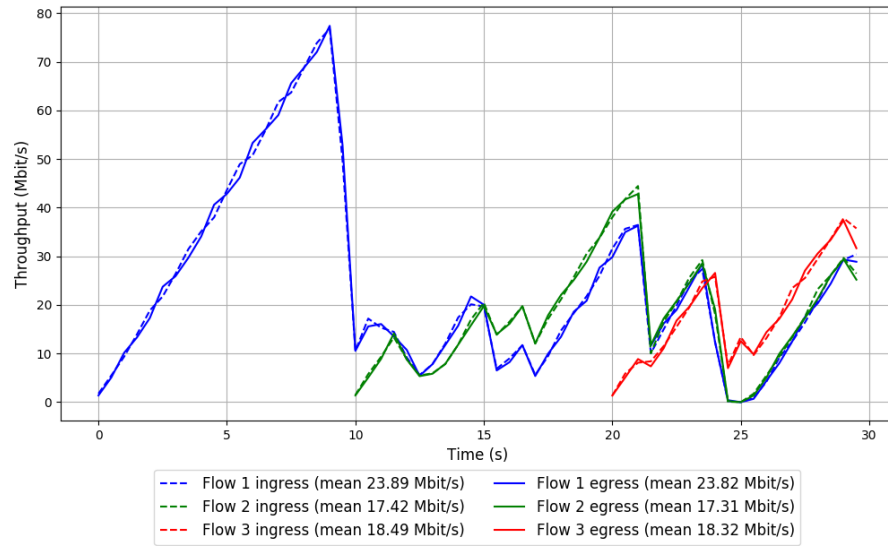


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-13 14:25:03
End at: 2018-03-13 14:25:33
Local clock offset: 2.102 ms
Remote clock offset: -0.727 ms

# Below is generated by plot.py at 2018-03-13 22:40:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 29.445 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 27.503 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 30.555 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 1.48%
```


Run 1: Report of LEDBAT — Data Link

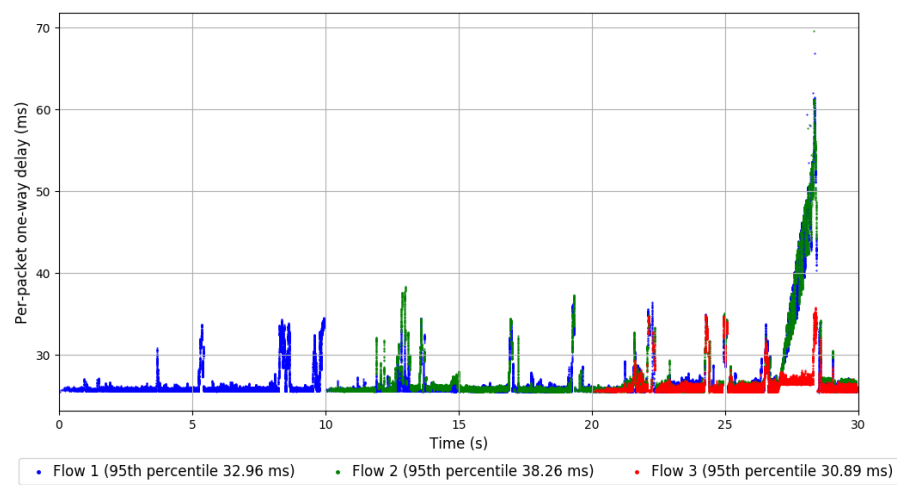
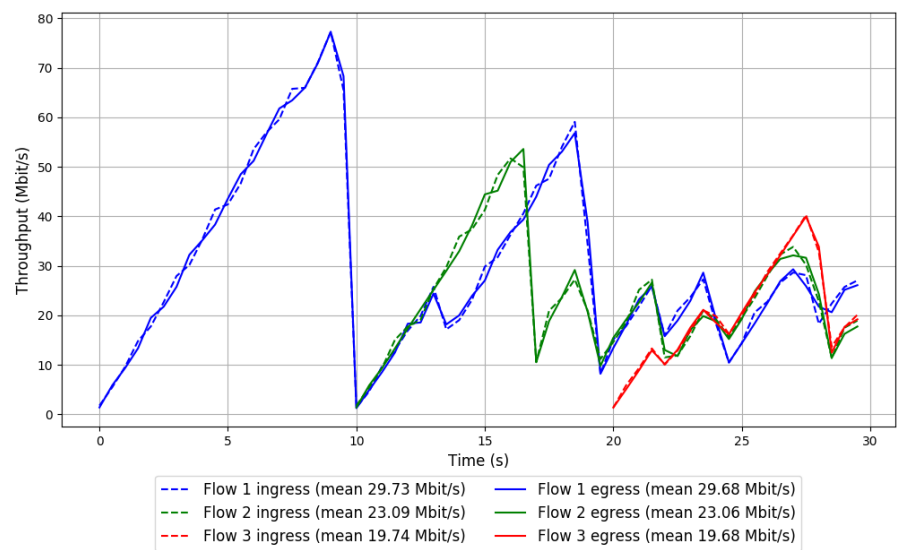


Run 2: Statistics of LEDBAT

Start at: 2018-03-13 14:49:56
End at: 2018-03-13 14:50:26
Local clock offset: 2.557 ms
Remote clock offset: -4.068 ms

Below is generated by plot.py at 2018-03-13 22:40:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 33.831 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 32.962 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 38.264 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 30.892 ms
Loss rate: 0.84%

Run 2: Report of LEDBAT — Data Link

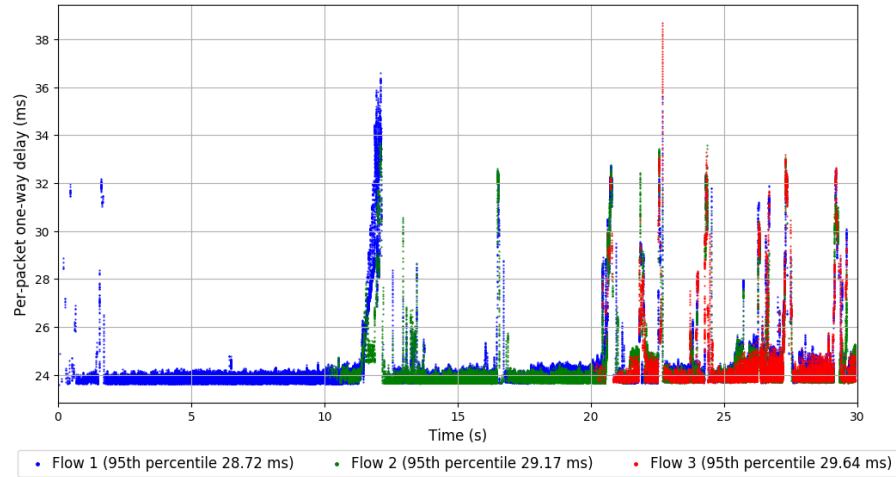
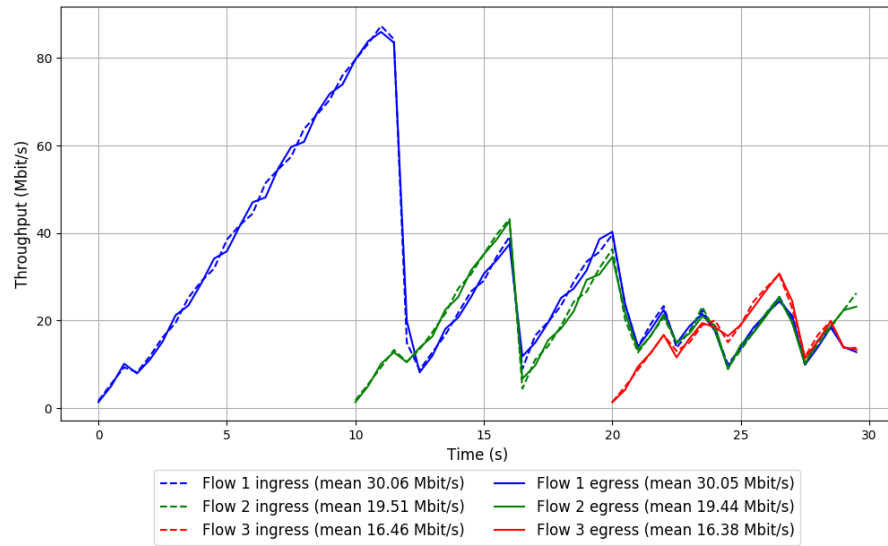


Run 3: Statistics of LEDBAT

Start at: 2018-03-13 15:14:40
End at: 2018-03-13 15:15:10
Local clock offset: 2.712 ms
Remote clock offset: -3.672 ms

Below is generated by plot.py at 2018-03-13 22:40:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.35 Mbit/s
95th percentile per-packet one-way delay: 28.931 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 28.717 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 29.167 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 29.645 ms
Loss rate: 0.73%

Run 3: Report of LEDBAT — Data Link

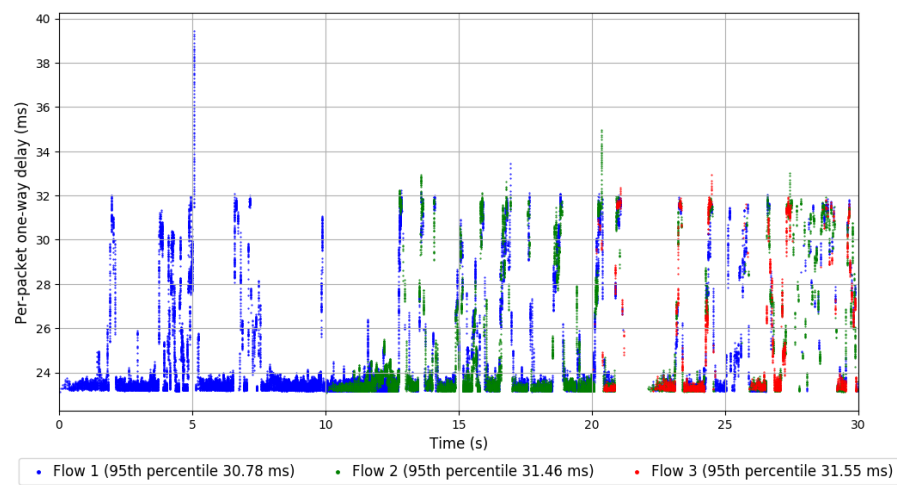
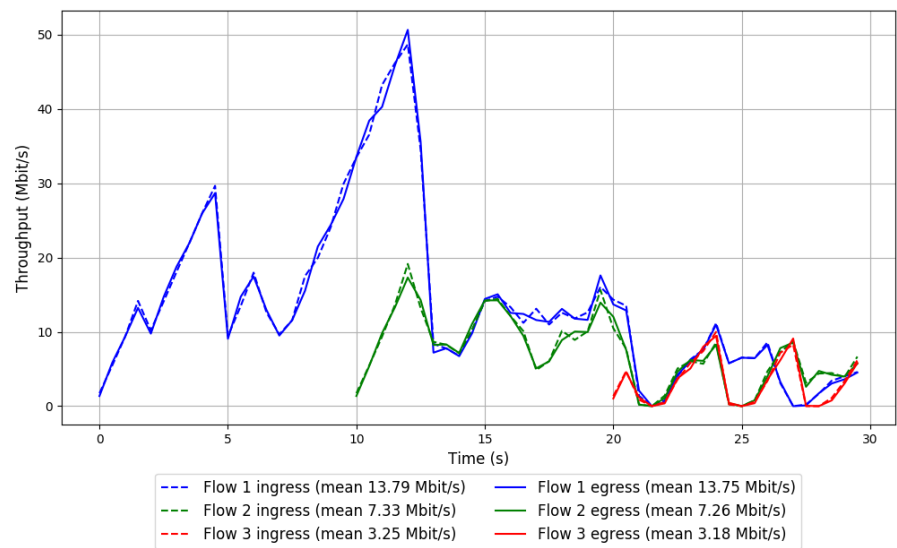


Run 4: Statistics of LEDBAT

Start at: 2018-03-13 15:39:35
End at: 2018-03-13 15:40:05
Local clock offset: 0.706 ms
Remote clock offset: -8.143 ms

Below is generated by plot.py at 2018-03-13 22:40:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 31.230 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 30.783 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 31.465 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 31.549 ms
Loss rate: 2.83%

Run 4: Report of LEDBAT — Data Link

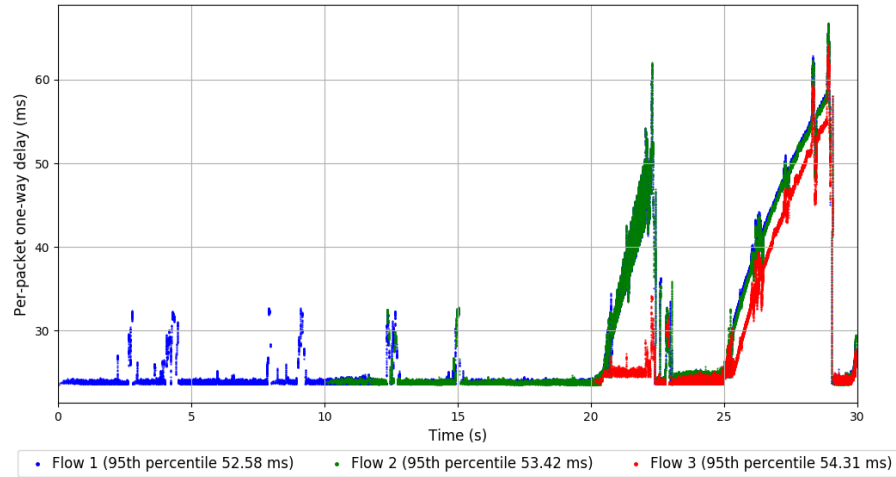
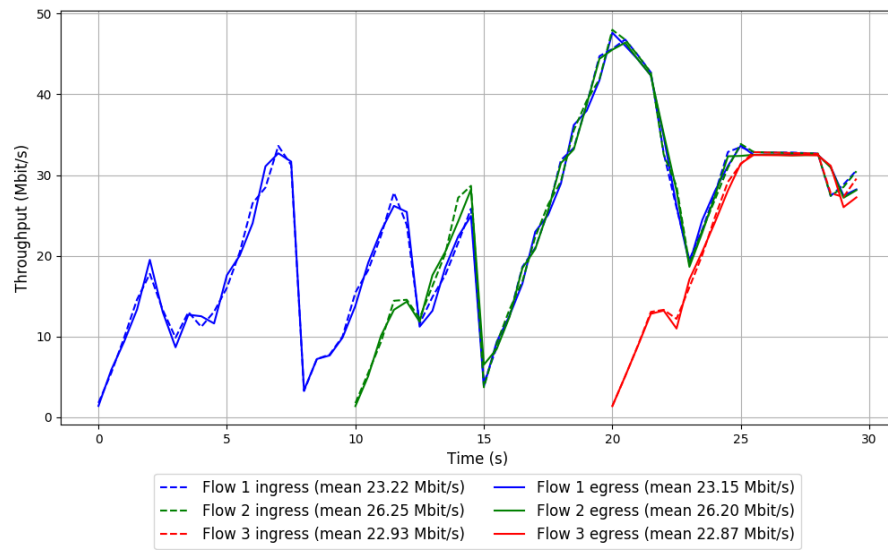


Run 5: Statistics of LEDBAT

Start at: 2018-03-13 16:07:16
End at: 2018-03-13 16:07:46
Local clock offset: 1.21 ms
Remote clock offset: -11.852 ms

Below is generated by plot.py at 2018-03-13 22:40:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 53.358 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 52.576 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 53.421 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 54.307 ms
Loss rate: 0.80%

Run 5: Report of LEDBAT — Data Link

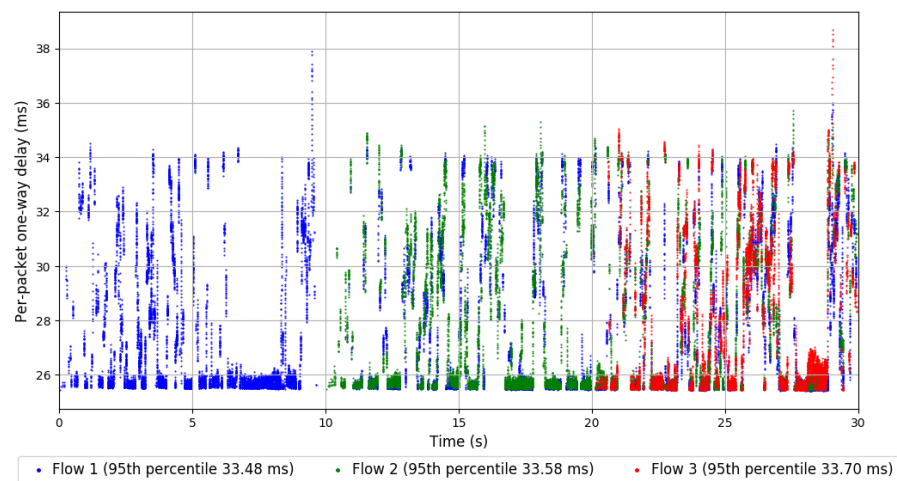
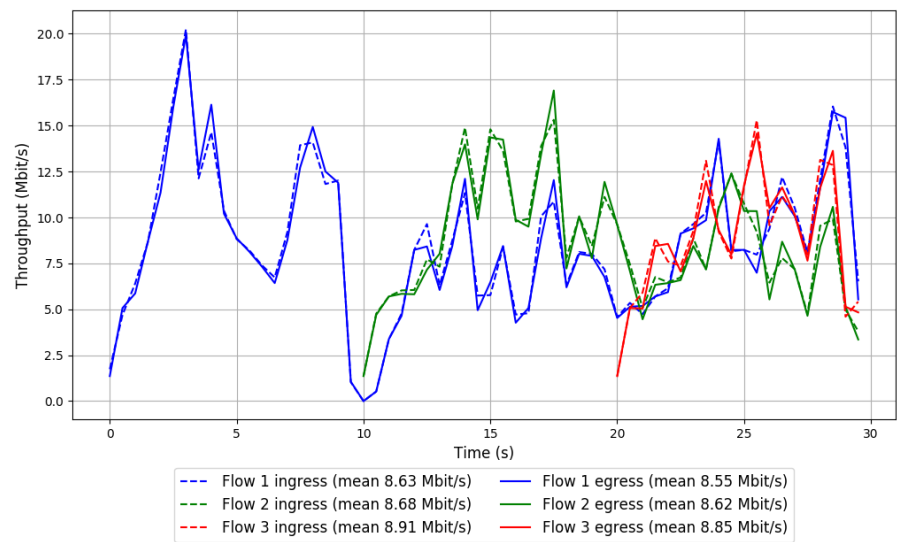


Run 6: Statistics of LEDBAT

Start at: 2018-03-13 16:32:22
End at: 2018-03-13 16:32:52
Local clock offset: 3.438 ms
Remote clock offset: -15.992 ms

Below is generated by plot.py at 2018-03-13 22:40:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 33.577 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 33.478 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 33.578 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 33.695 ms
Loss rate: 1.23%

Run 6: Report of LEDBAT — Data Link

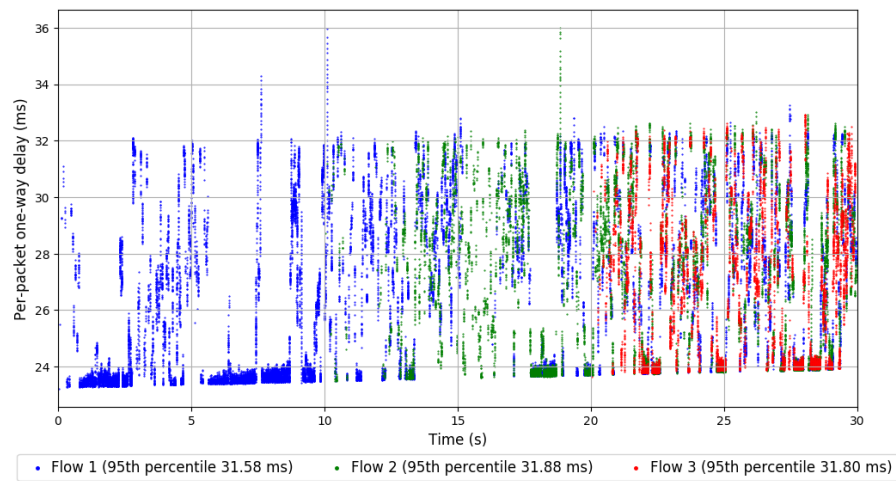
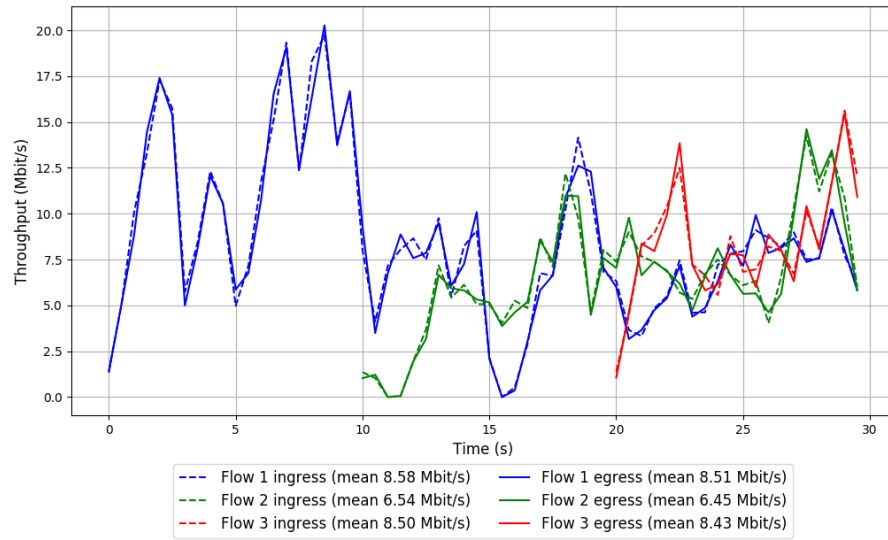


Run 7: Statistics of LEDBAT

Start at: 2018-03-13 16:59:56
End at: 2018-03-13 17:00:26
Local clock offset: 5.249 ms
Remote clock offset: -14.379 ms

Below is generated by plot.py at 2018-03-13 22:40:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 31.879 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 31.805 ms
Loss rate: 1.35%

Run 7: Report of LEDBAT — Data Link

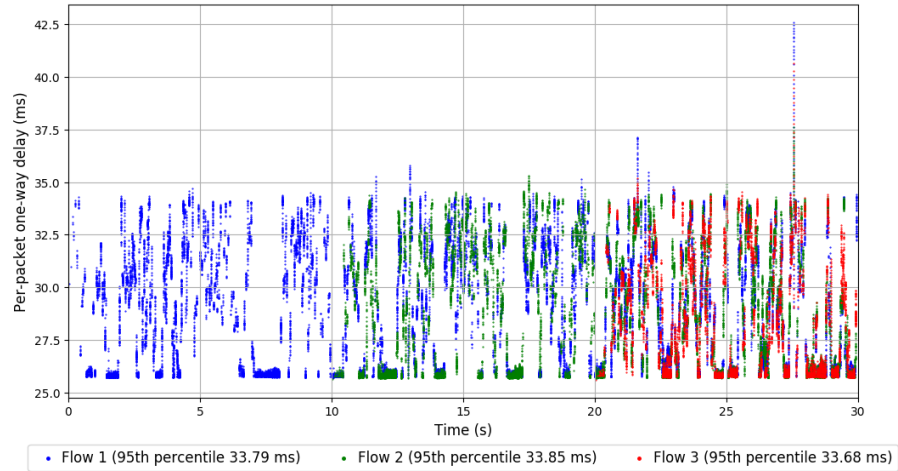
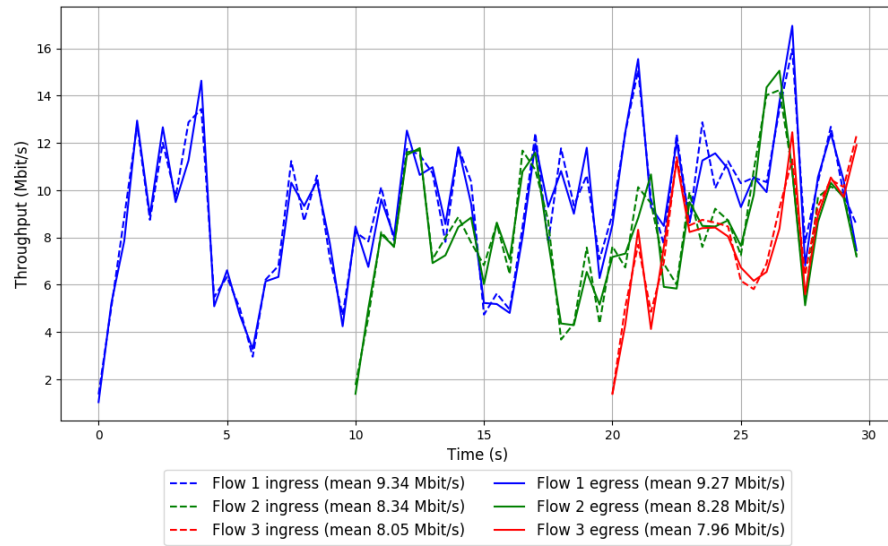


Run 8: Statistics of LEDBAT

Start at: 2018-03-13 17:27:58
End at: 2018-03-13 17:28:28
Local clock offset: 6.34 ms
Remote clock offset: -3.481 ms

Below is generated by plot.py at 2018-03-13 22:40:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 33.803 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 33.790 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 33.852 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 33.680 ms
Loss rate: 1.69%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-03-13 17:54:47

End at: 2018-03-13 17:55:17

Local clock offset: -0.289 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-03-13 22:40:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 31.389 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 6.88 Mbit/s

95th percentile per-packet one-way delay: 31.389 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 31.351 ms

Loss rate: 0.97%

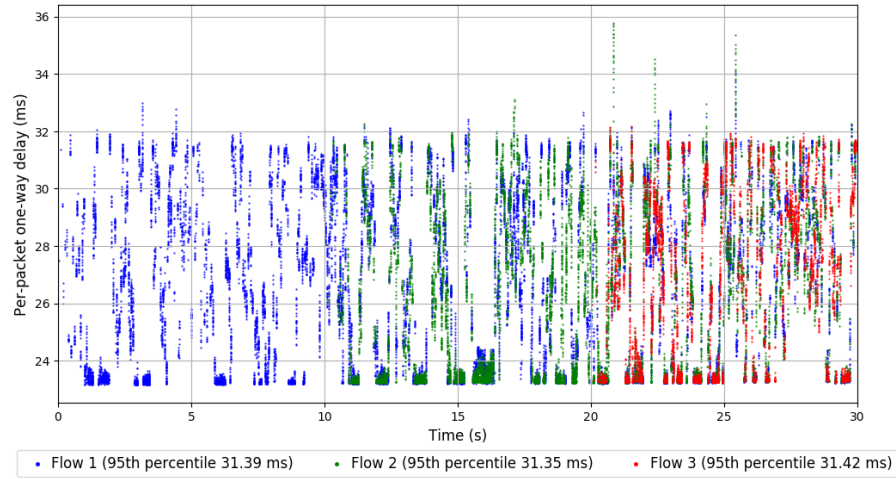
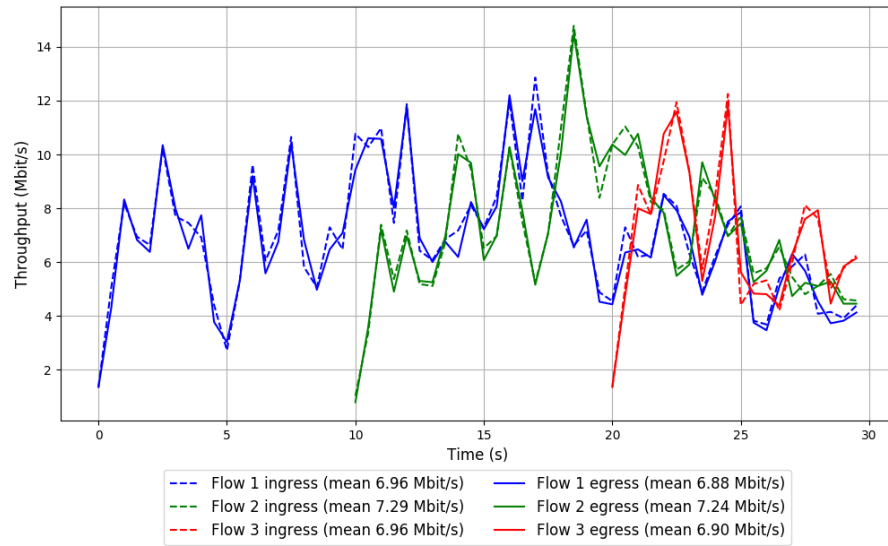
-- Flow 3:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 31.418 ms

Loss rate: 1.51%

Run 9: Report of LEDBAT — Data Link

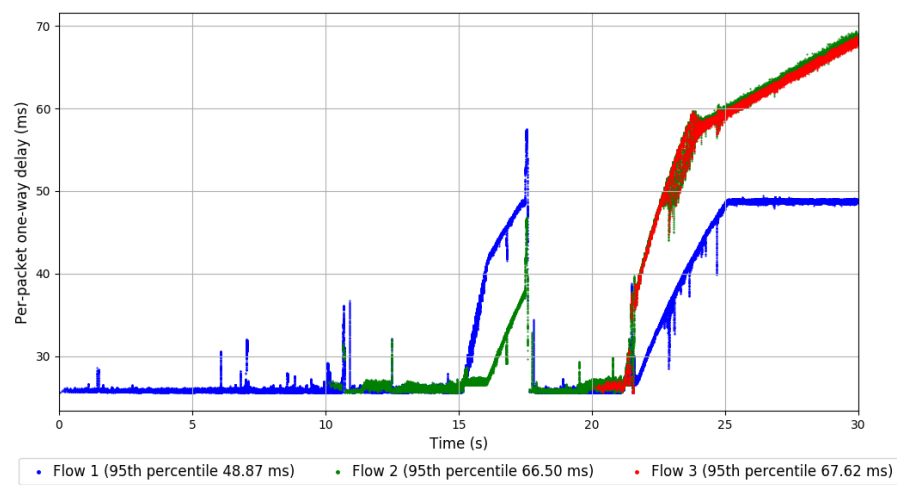
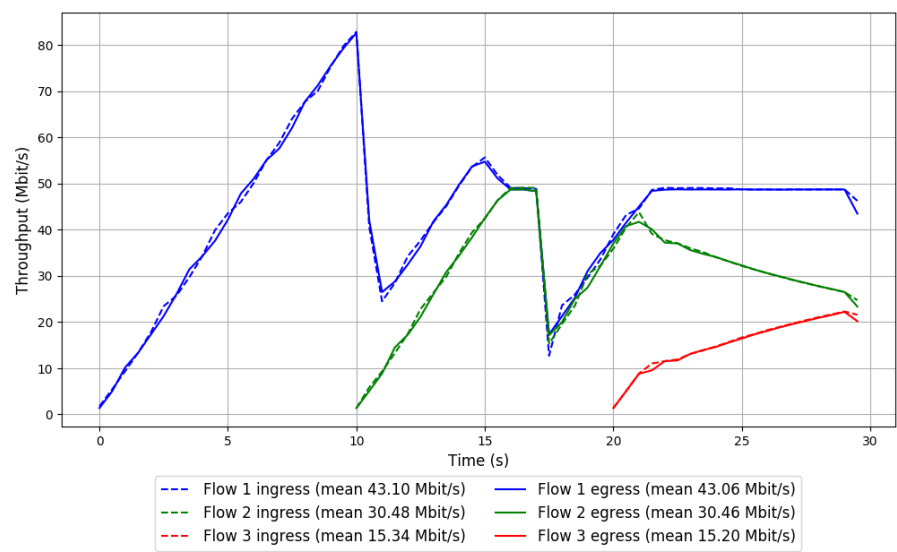


Run 10: Statistics of LEDBAT

Start at: 2018-03-13 18:20:55
End at: 2018-03-13 18:21:25
Local clock offset: 1.442 ms
Remote clock offset: -2.553 ms

Below is generated by plot.py at 2018-03-13 22:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 64.599 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 48.868 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 66.501 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 67.621 ms
Loss rate: 1.45%

Run 10: Report of LEDBAT — Data Link

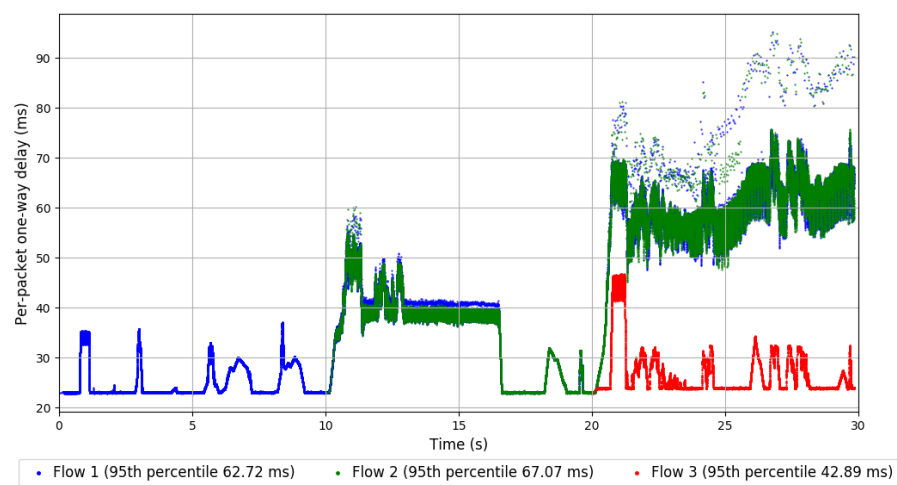
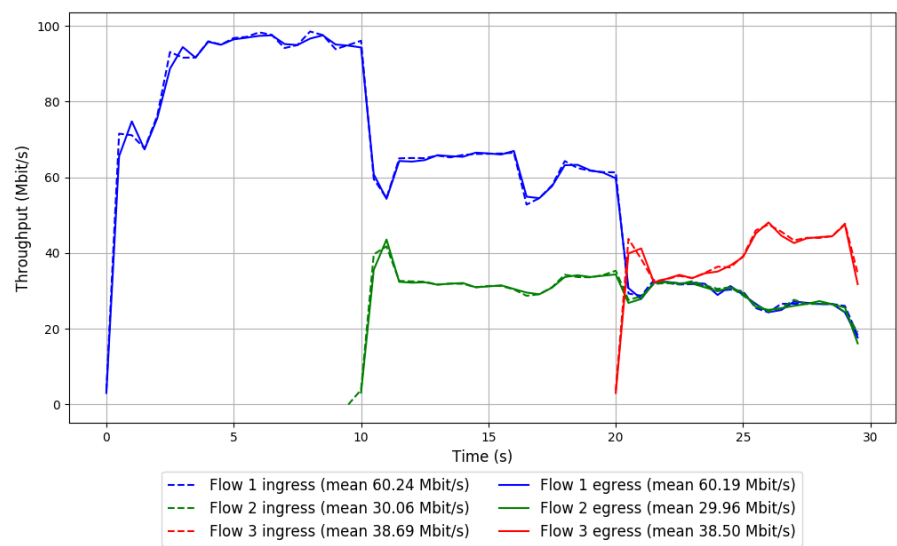


Run 1: Statistics of PCC

Start at: 2018-03-13 14:07:20
End at: 2018-03-13 14:07:50
Local clock offset: 0.974 ms
Remote clock offset: -0.515 ms

Below is generated by plot.py at 2018-03-13 22:41:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 64.113 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 62.719 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 67.067 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 42.886 ms
Loss rate: 1.03%

Run 1: Report of PCC — Data Link

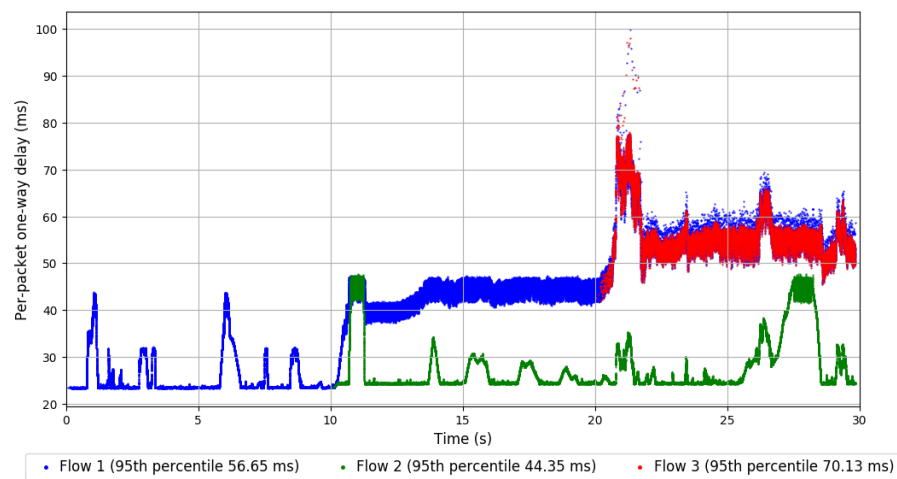
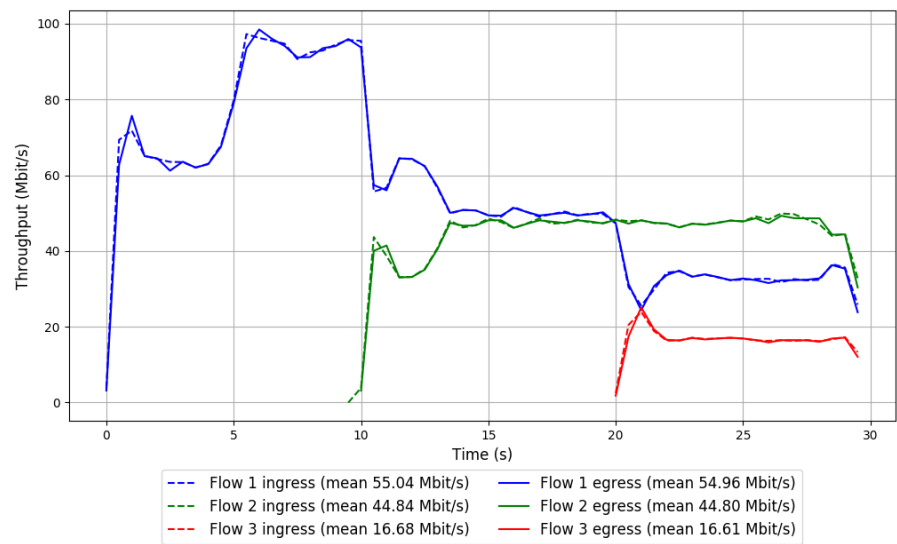


Run 2: Statistics of PCC

Start at: 2018-03-13 14:32:04
End at: 2018-03-13 14:32:34
Local clock offset: 2.164 ms
Remote clock offset: -0.739 ms

Below is generated by plot.py at 2018-03-13 22:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 56.513 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 56.653 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 44.351 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 70.134 ms
Loss rate: 1.16%

Run 2: Report of PCC — Data Link

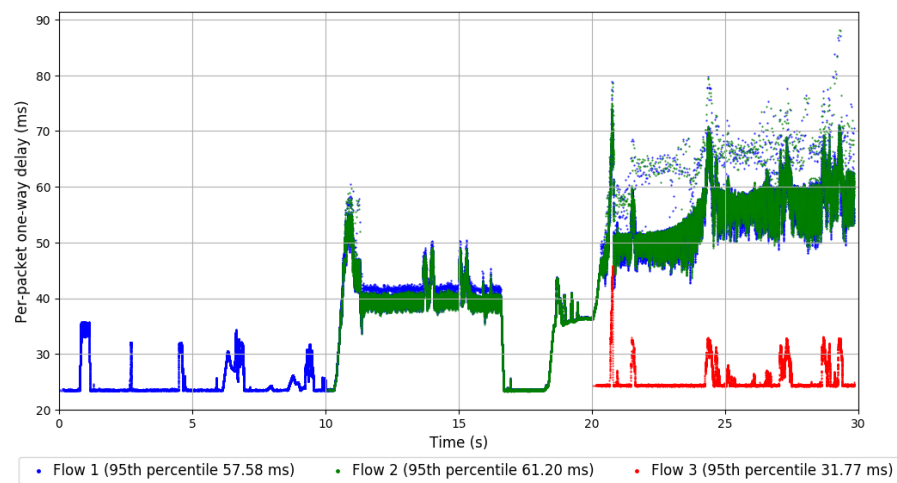
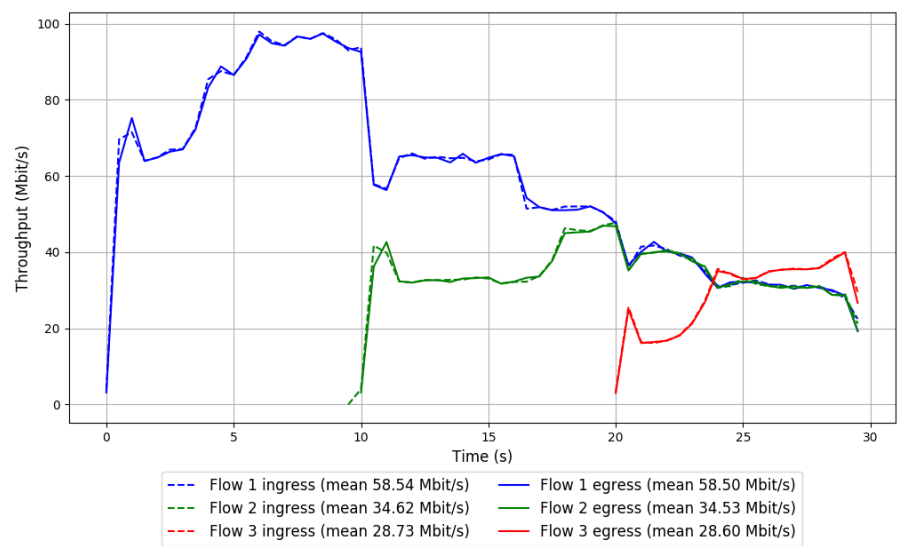


Run 3: Statistics of PCC

Start at: 2018-03-13 14:56:46
End at: 2018-03-13 14:57:16
Local clock offset: 2.662 ms
Remote clock offset: -2.612 ms

Below is generated by plot.py at 2018-03-13 22:41:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 58.462 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 57.575 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 61.205 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 31.775 ms
Loss rate: 1.04%

Run 3: Report of PCC — Data Link

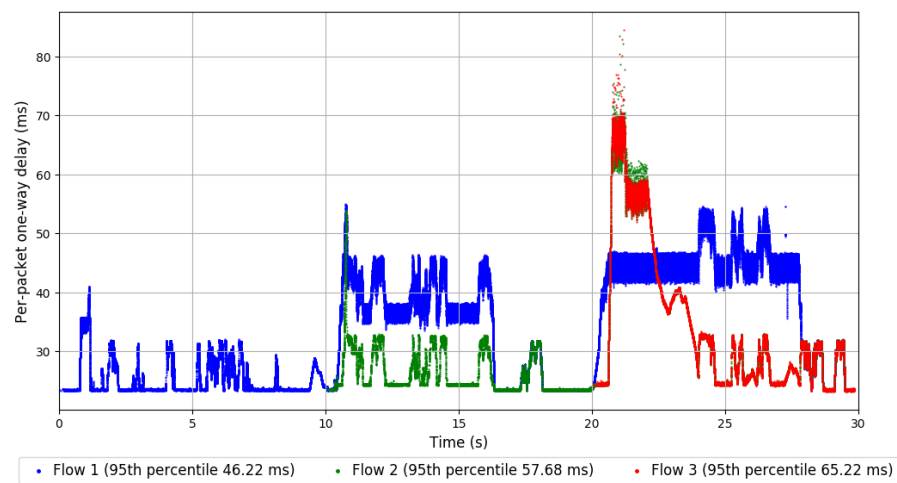
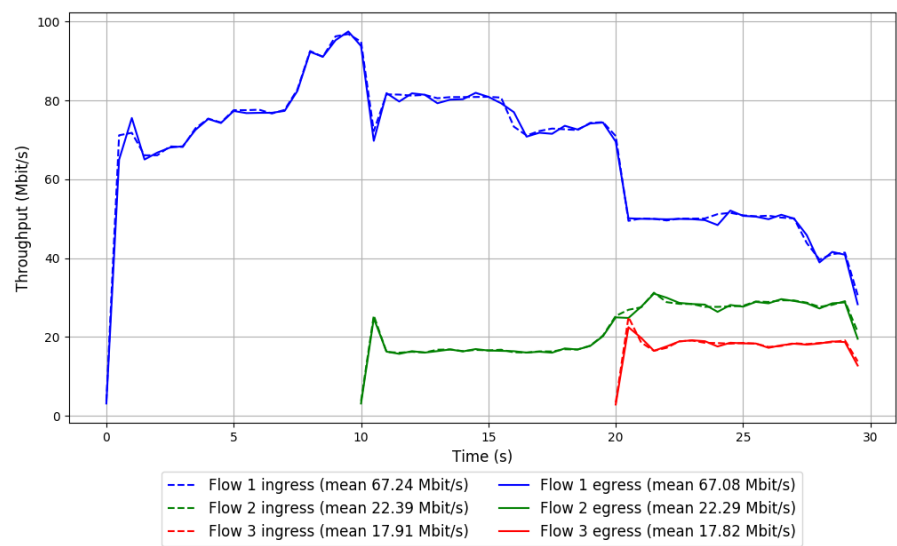


Run 4: Statistics of PCC

Start at: 2018-03-13 15:21:35
End at: 2018-03-13 15:22:05
Local clock offset: 1.735 ms
Remote clock offset: -5.222 ms

Below is generated by plot.py at 2018-03-13 22:41:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 48.885 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 67.08 Mbit/s
95th percentile per-packet one-way delay: 46.223 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 57.681 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 17.82 Mbit/s
95th percentile per-packet one-way delay: 65.222 ms
Loss rate: 1.01%

Run 4: Report of PCC — Data Link

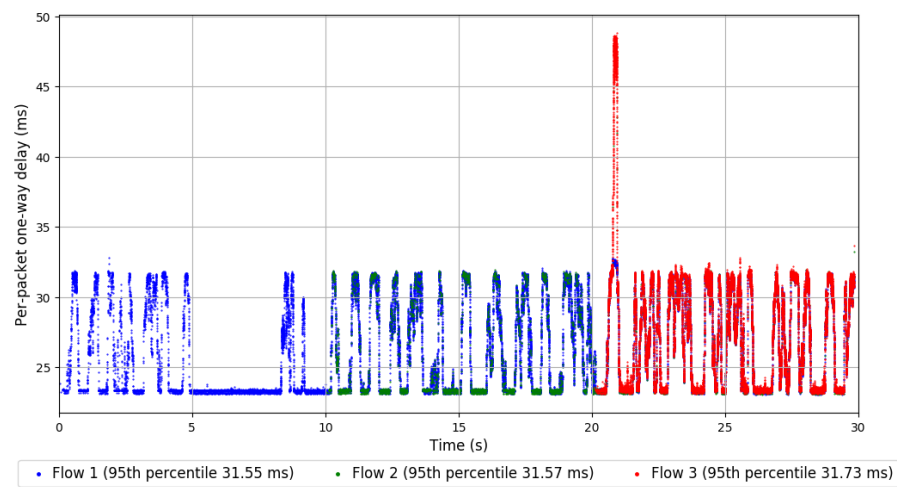
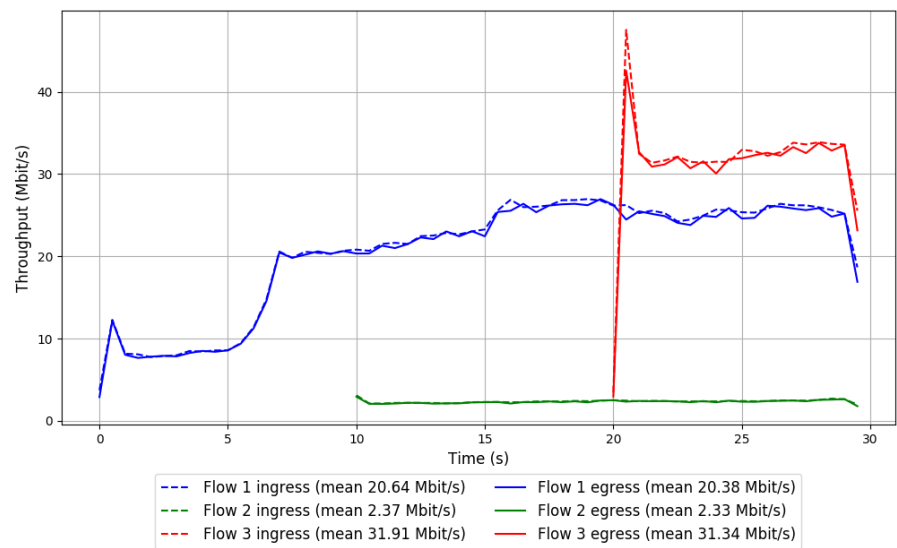


Run 5: Statistics of PCC

Start at: 2018-03-13 15:47:10
End at: 2018-03-13 15:47:40
Local clock offset: 0.42 ms
Remote clock offset: -9.421 ms

Below is generated by plot.py at 2018-03-13 22:41:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 31.607 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 31.554 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 31.574 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 2.31%

Run 5: Report of PCC — Data Link

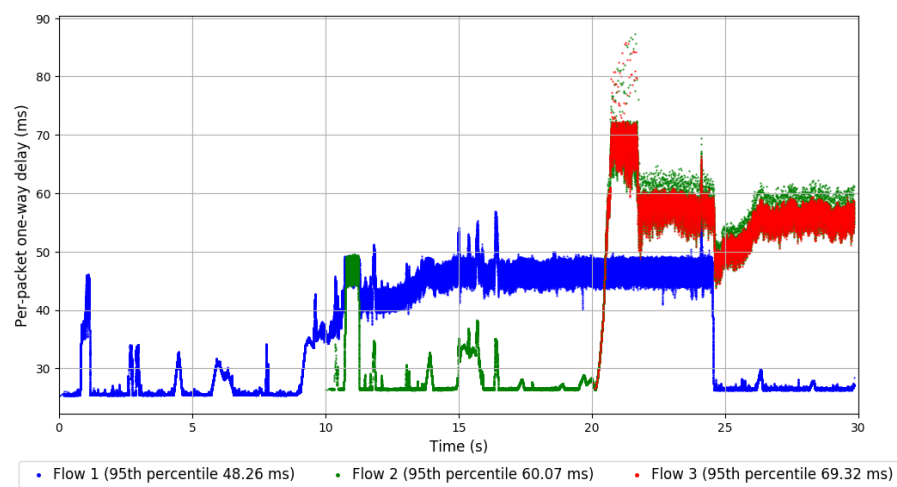
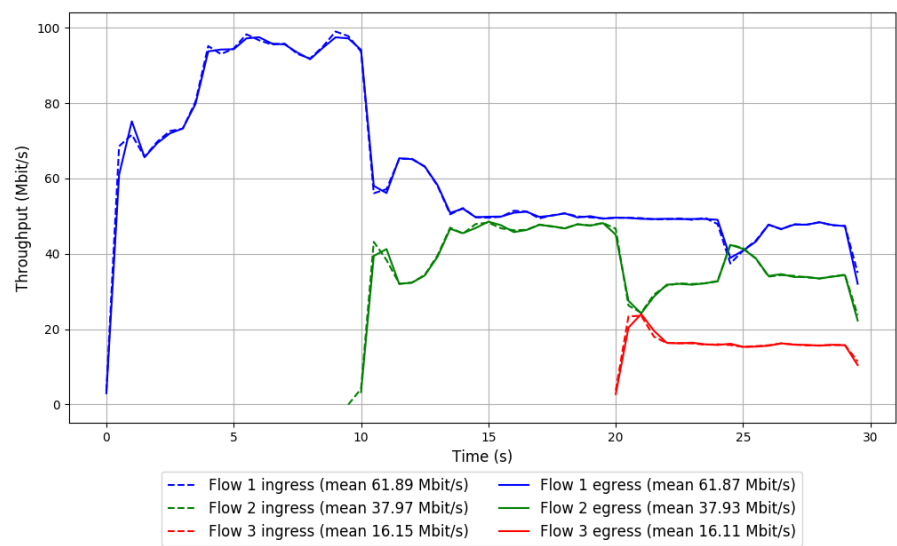


Run 6: Statistics of PCC

Start at: 2018-03-13 16:14:06
End at: 2018-03-13 16:14:36
Local clock offset: 1.238 ms
Remote clock offset: -14.456 ms

Below is generated by plot.py at 2018-03-13 22:42:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 57.926 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 48.264 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 60.068 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 69.320 ms
Loss rate: 0.86%

Run 6: Report of PCC — Data Link

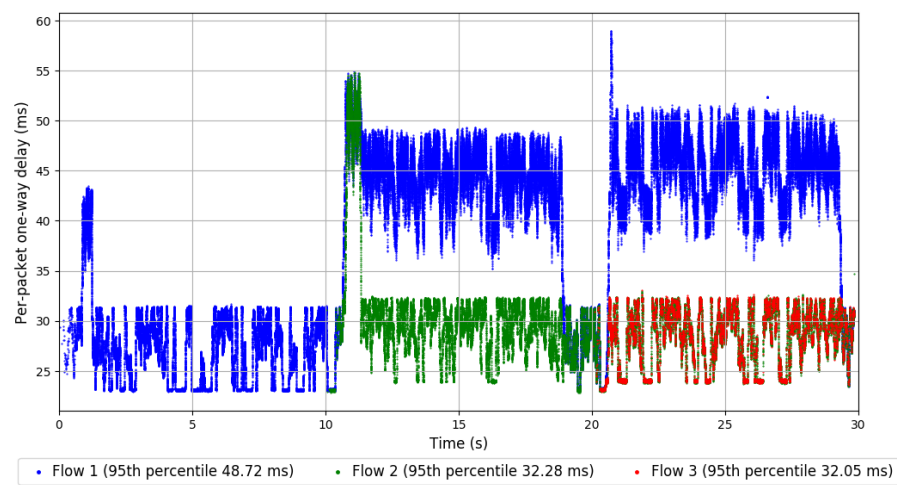
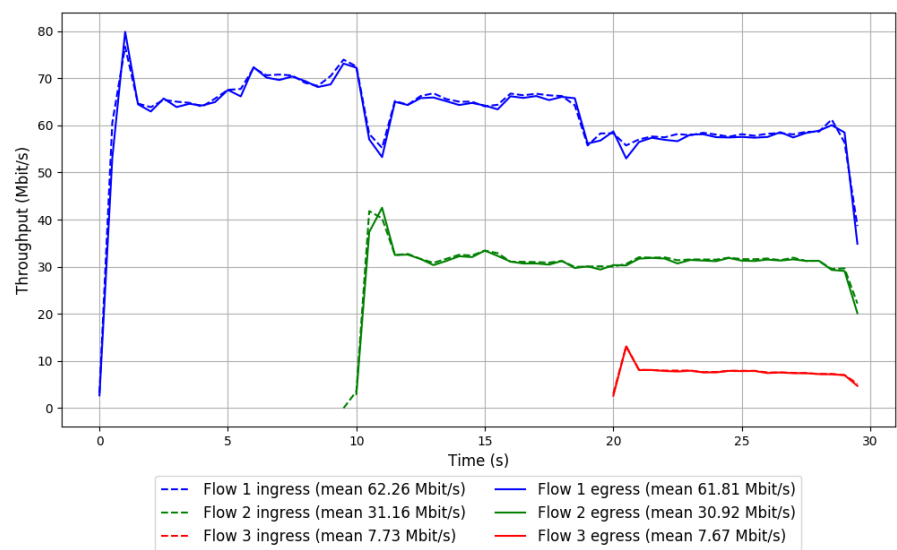


Run 7: Statistics of PCC

Start at: 2018-03-13 16:39:25
End at: 2018-03-13 16:39:55
Local clock offset: 4.16 ms
Remote clock offset: -14.097 ms

Below is generated by plot.py at 2018-03-13 22:42:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 48.496 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 48.724 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 32.276 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 32.053 ms
Loss rate: 1.28%

Run 7: Report of PCC — Data Link

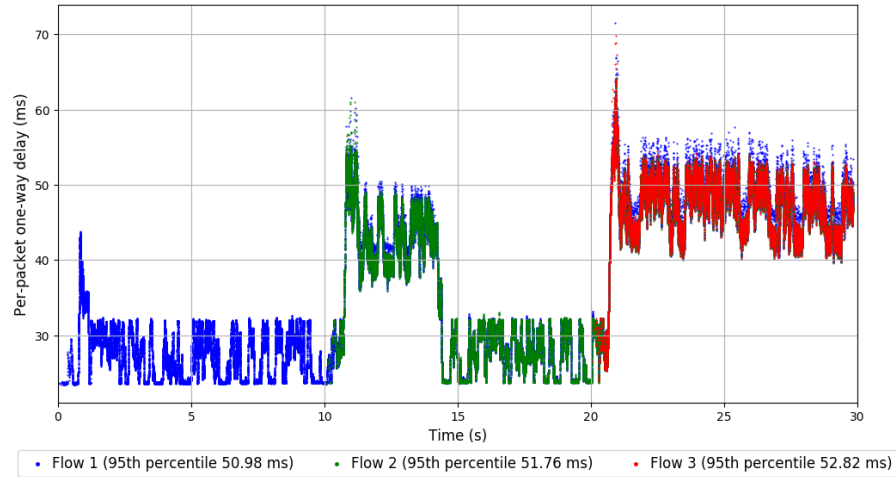
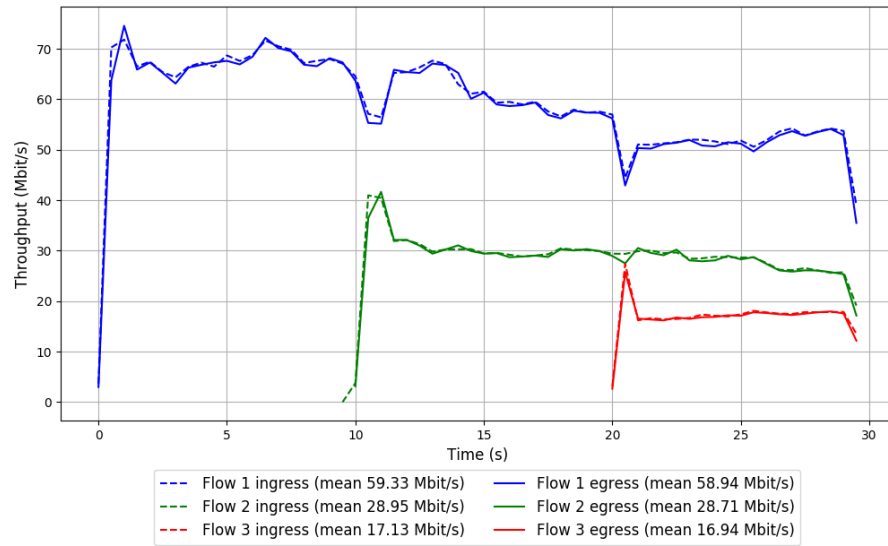


Run 8: Statistics of PCC

Start at: 2018-03-13 17:07:41
End at: 2018-03-13 17:08:11
Local clock offset: 5.54 ms
Remote clock offset: -7.368 ms

Below is generated by plot.py at 2018-03-13 22:42:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 51.423 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 50.985 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 52.823 ms
Loss rate: 1.66%

Run 8: Report of PCC — Data Link

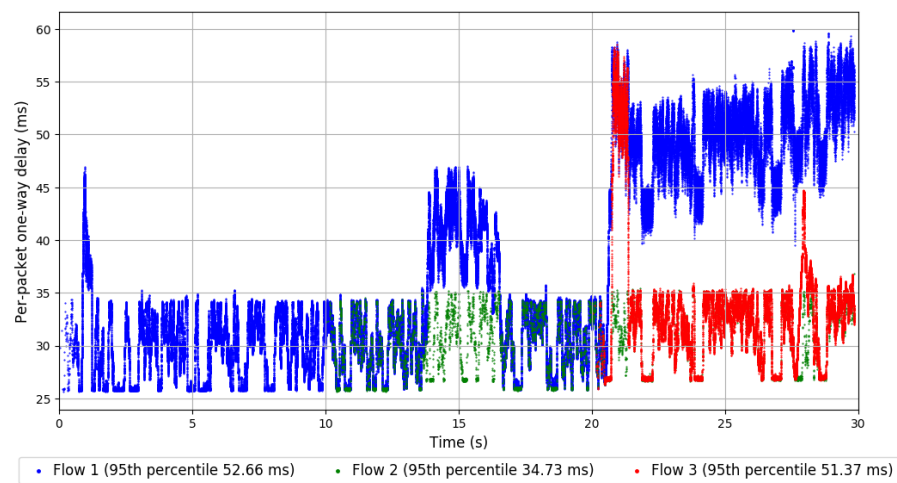
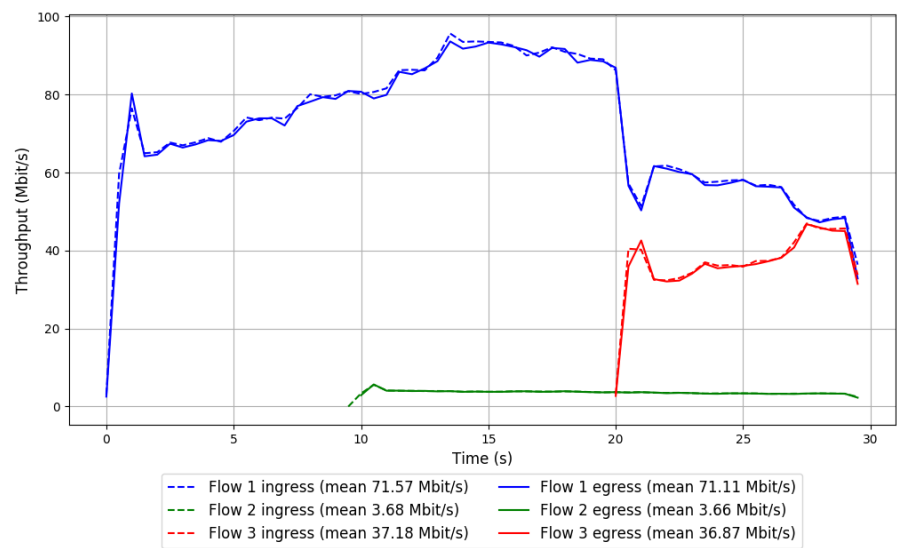


Run 9: Statistics of PCC

Start at: 2018-03-13 17:35:19
End at: 2018-03-13 17:35:49
Local clock offset: 3.813 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-03-13 22:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 52.478 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 52.658 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 34.728 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 51.367 ms
Loss rate: 1.44%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-13 18:02:11

End at: 2018-03-13 18:02:41

Local clock offset: -0.834 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-03-13 22:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 52.258 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 65.26 Mbit/s

95th percentile per-packet one-way delay: 52.694 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 32.926 ms

Loss rate: 1.08%

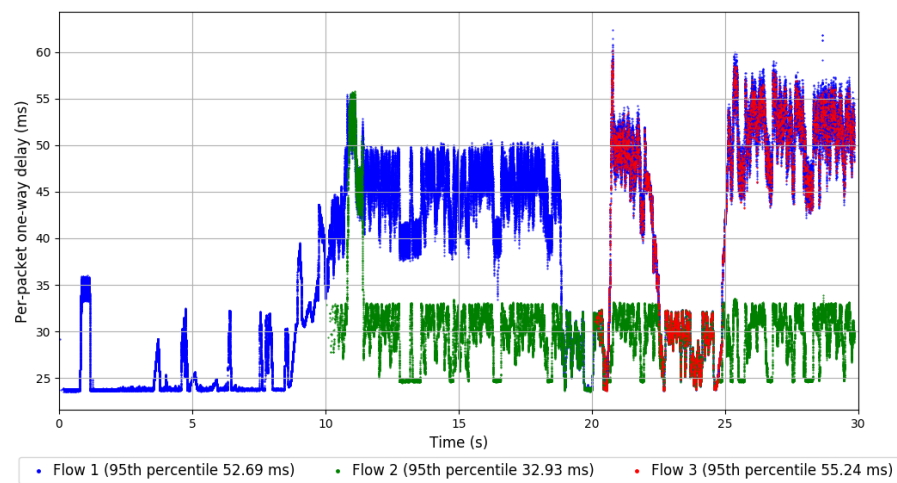
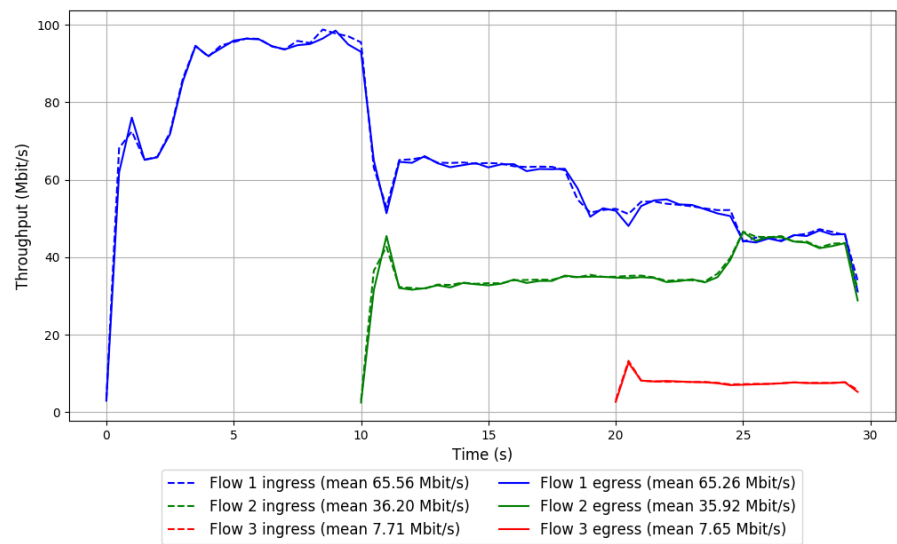
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 55.238 ms

Loss rate: 1.36%

Run 10: Report of PCC — Data Link

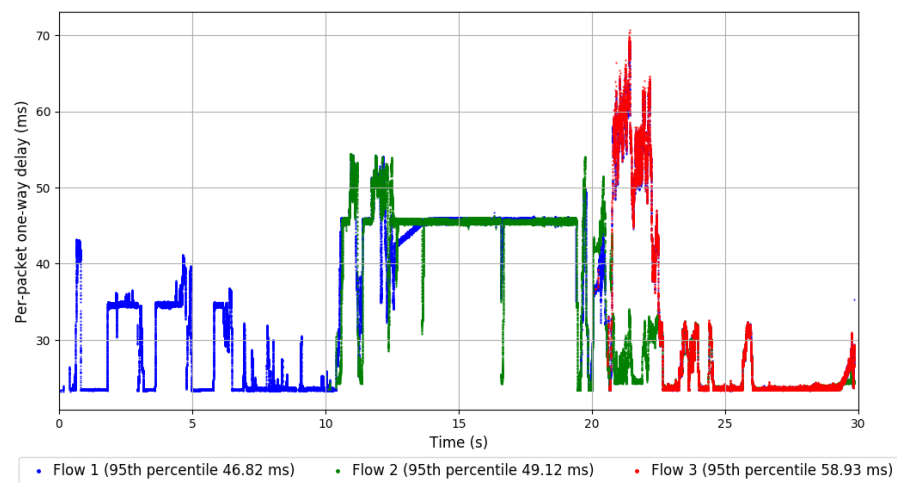
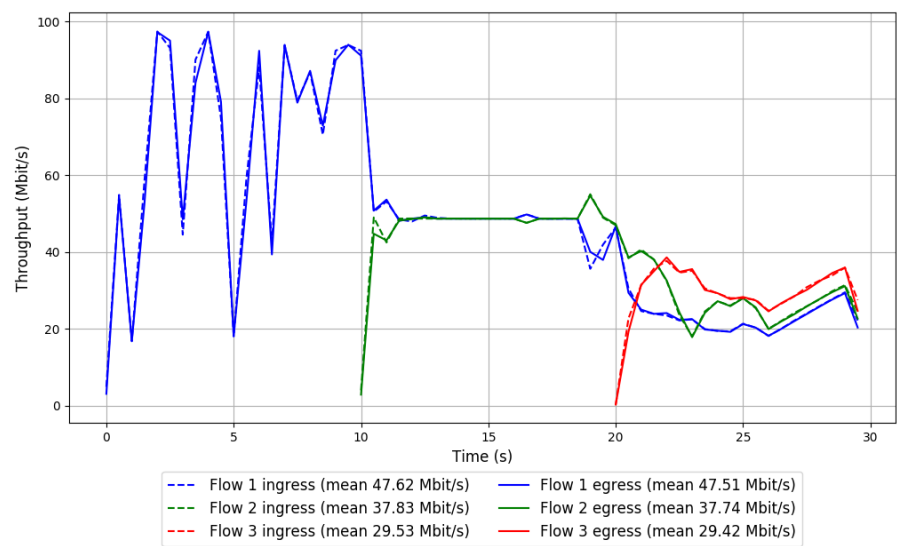


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 14:22:18
End at: 2018-03-13 14:22:48
Local clock offset: 1.928 ms
Remote clock offset: -0.761 ms

Below is generated by plot.py at 2018-03-13 22:43:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 50.133 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 46.818 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 49.120 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 58.929 ms
Loss rate: 1.05%

Run 1: Report of QUIC Cubic — Data Link

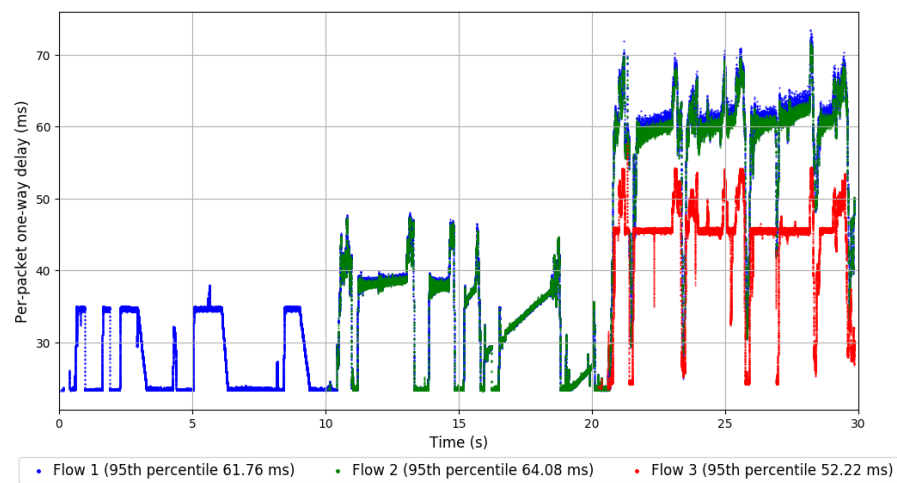
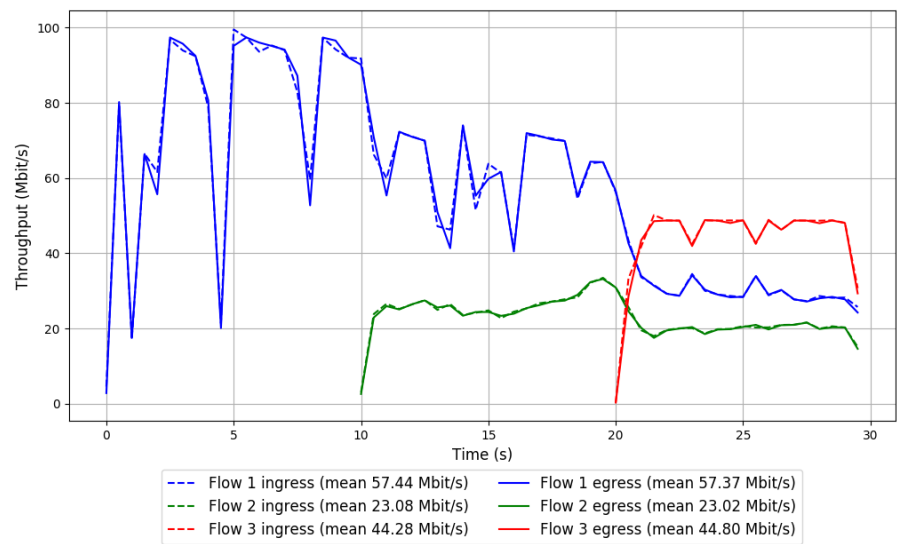


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 14:47:10
End at: 2018-03-13 14:47:40
Local clock offset: 2.514 ms
Remote clock offset: -1.549 ms

Below is generated by plot.py at 2018-03-13 22:43:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 61.815 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 61.759 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 23.02 Mbit/s
95th percentile per-packet one-way delay: 64.085 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 52.221 ms
Loss rate: 0.91%

Run 2: Report of QUIC Cubic — Data Link

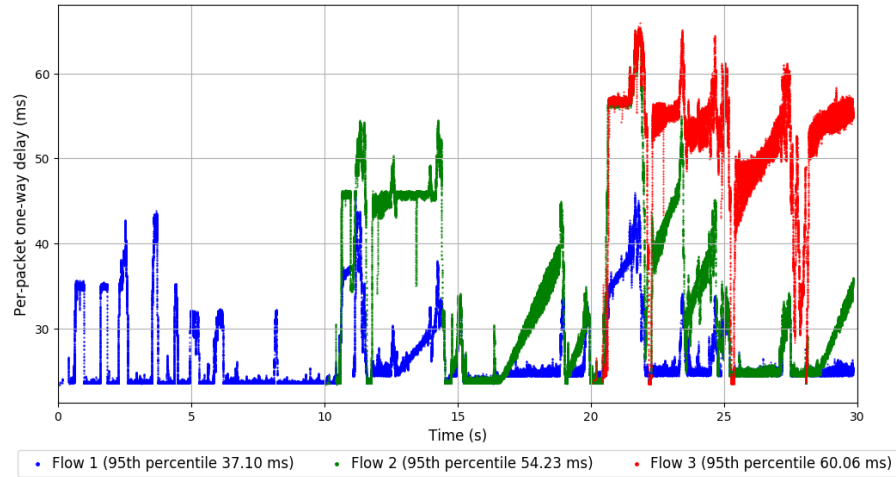
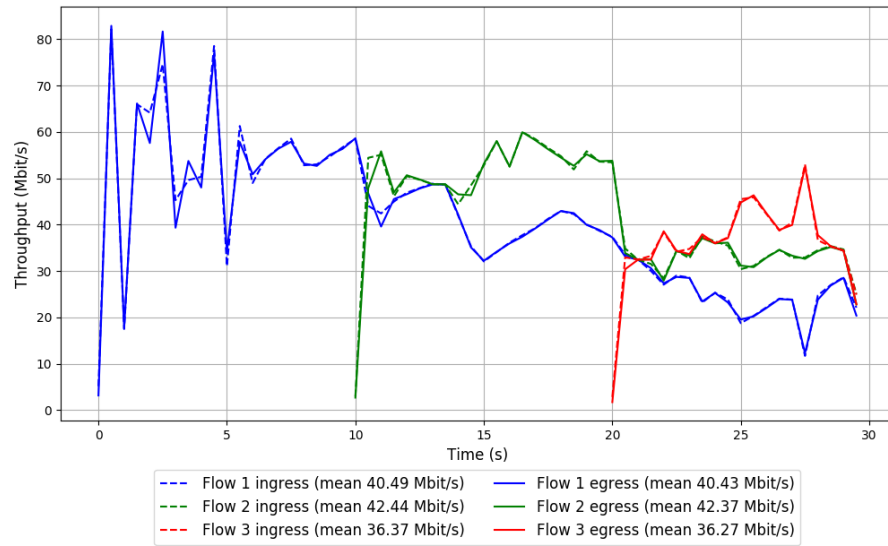


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 15:11:55
End at: 2018-03-13 15:12:25
Local clock offset: 2.881 ms
Remote clock offset: -3.531 ms

Below is generated by plot.py at 2018-03-13 22:43:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 56.154 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 37.104 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 42.37 Mbit/s
95th percentile per-packet one-way delay: 54.228 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 60.062 ms
Loss rate: 0.93%

Run 3: Report of QUIC Cubic — Data Link

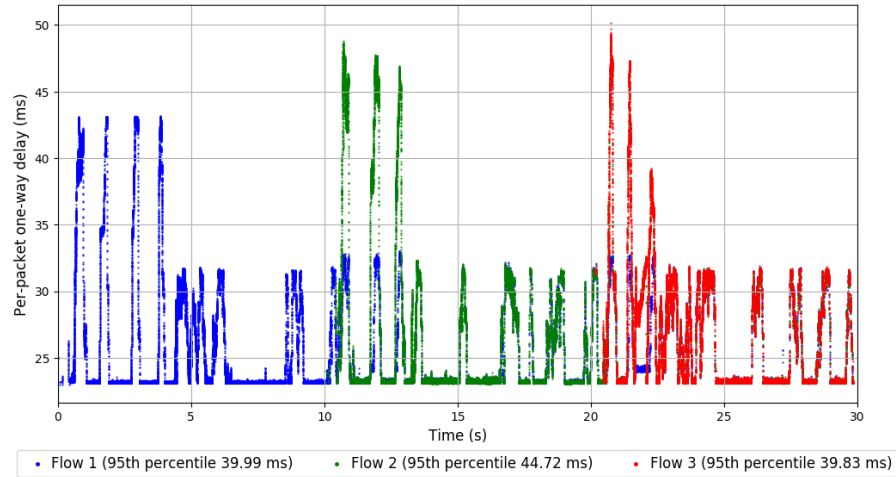
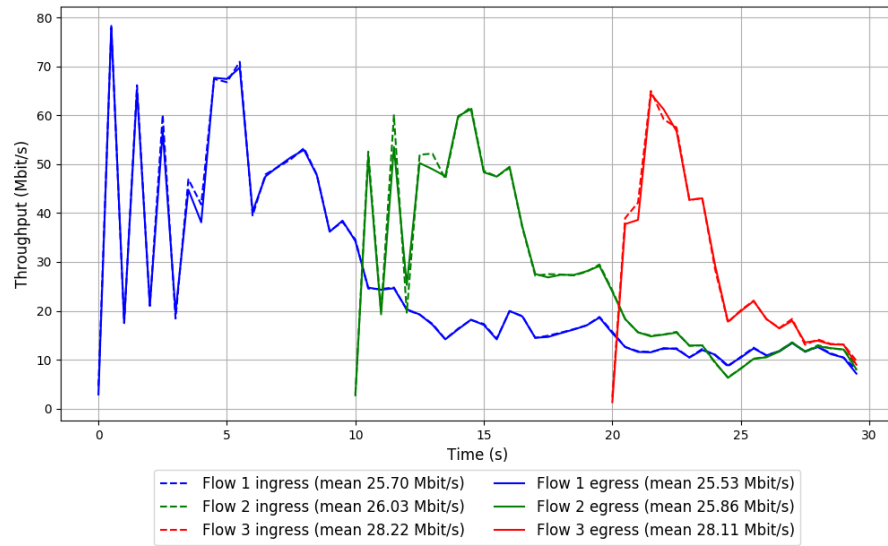


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 15:36:51
End at: 2018-03-13 15:37:21
Local clock offset: 0.794 ms
Remote clock offset: -7.736 ms

Below is generated by plot.py at 2018-03-13 22:43:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 41.500 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 39.995 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 44.724 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 39.826 ms
Loss rate: 0.98%

Run 4: Report of QUIC Cubic — Data Link

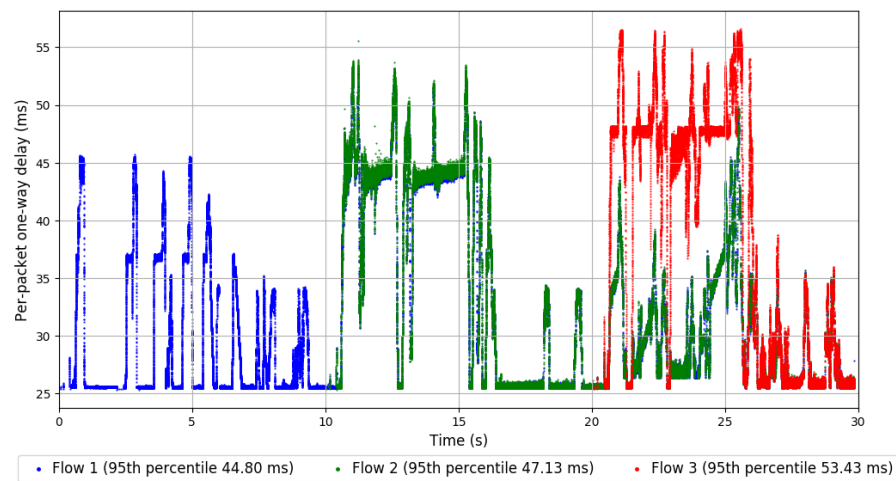
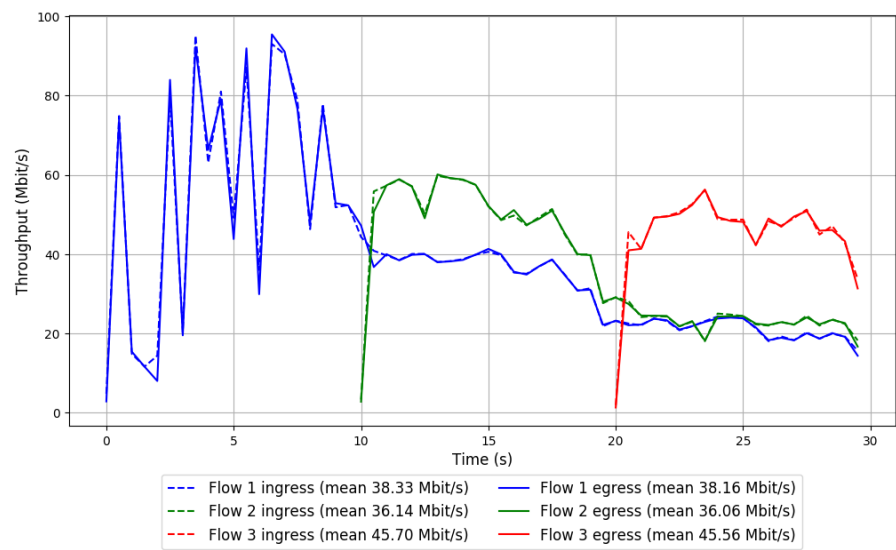


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 16:04:30
End at: 2018-03-13 16:05:00
Local clock offset: 1.166 ms
Remote clock offset: -13.521 ms

Below is generated by plot.py at 2018-03-13 22:43:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 48.152 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 44.802 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 47.135 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 45.56 Mbit/s
95th percentile per-packet one-way delay: 53.433 ms
Loss rate: 0.85%

Run 5: Report of QUIC Cubic — Data Link

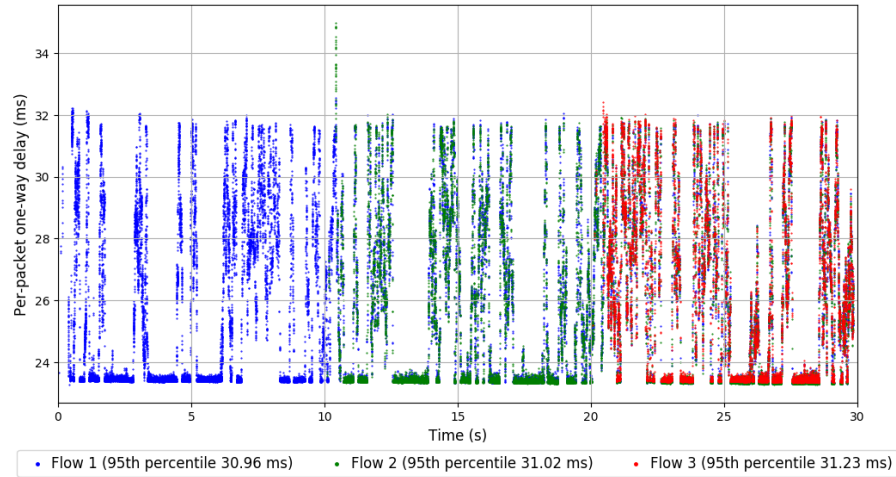
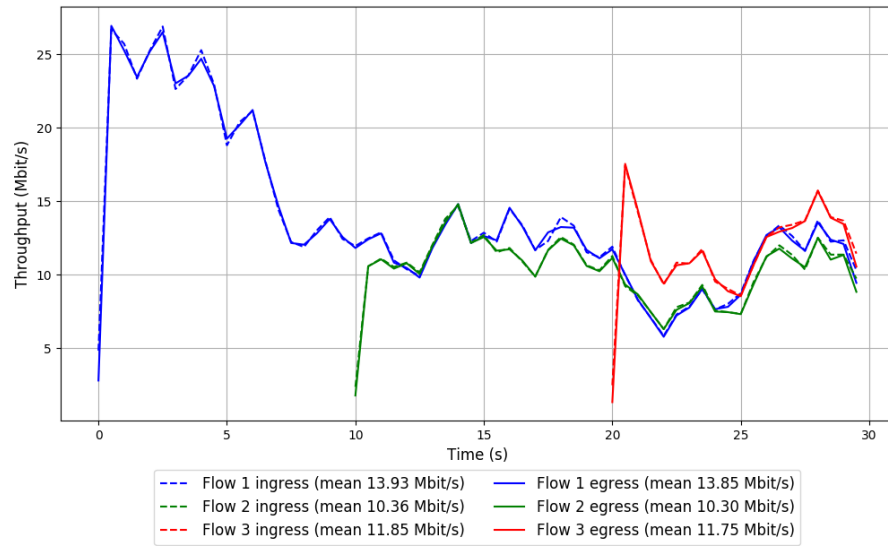


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 16:29:27
End at: 2018-03-13 16:29:57
Local clock offset: 2.989 ms
Remote clock offset: -13.645 ms

Below is generated by plot.py at 2018-03-13 22:43:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 31.030 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 31.022 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 31.226 ms
Loss rate: 1.32%

Run 6: Report of QUIC Cubic — Data Link

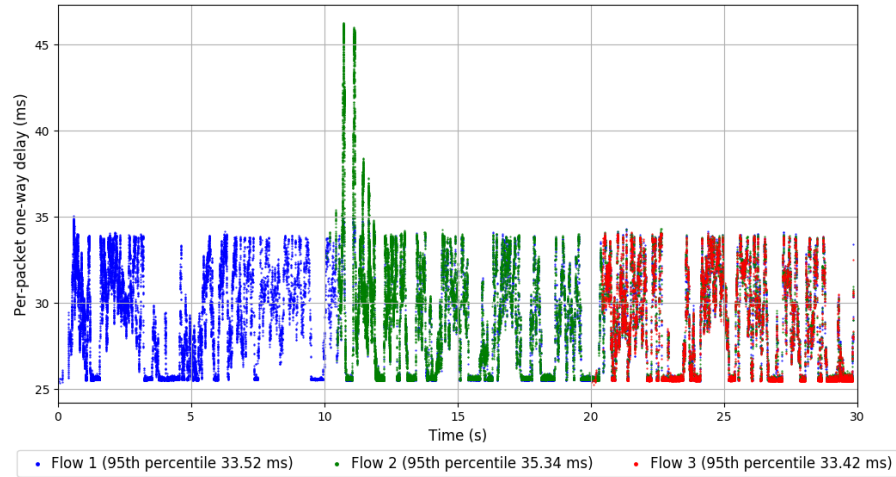
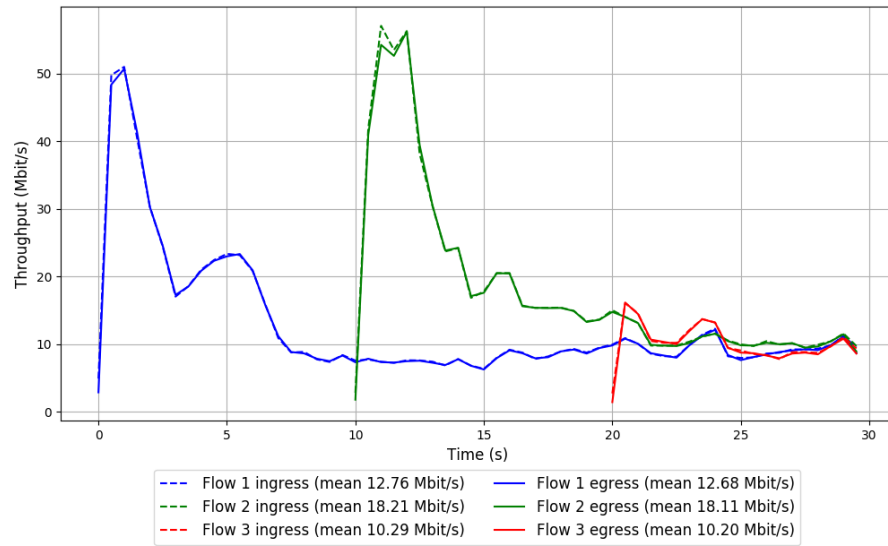


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 16:57:07
End at: 2018-03-13 16:57:37
Local clock offset: 5.207 ms
Remote clock offset: -18.143 ms

Below is generated by plot.py at 2018-03-13 22:43:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 33.723 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 33.522 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 35.337 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 33.417 ms
Loss rate: 1.41%

Run 7: Report of QUIC Cubic — Data Link

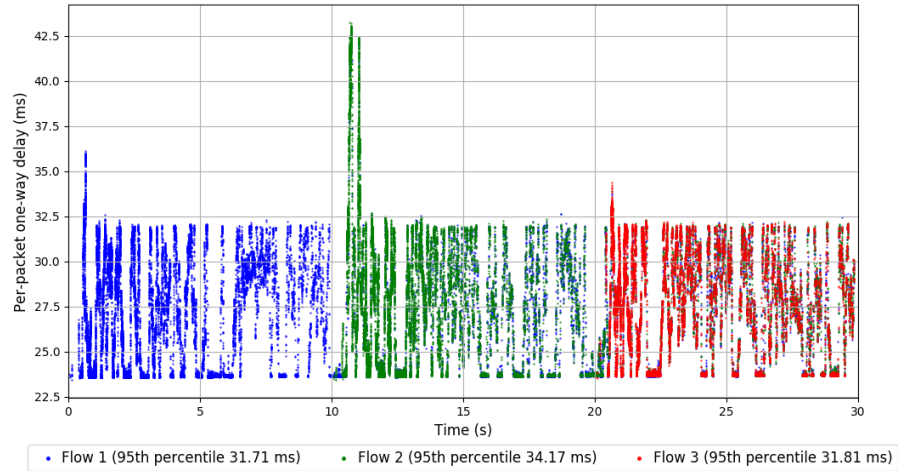
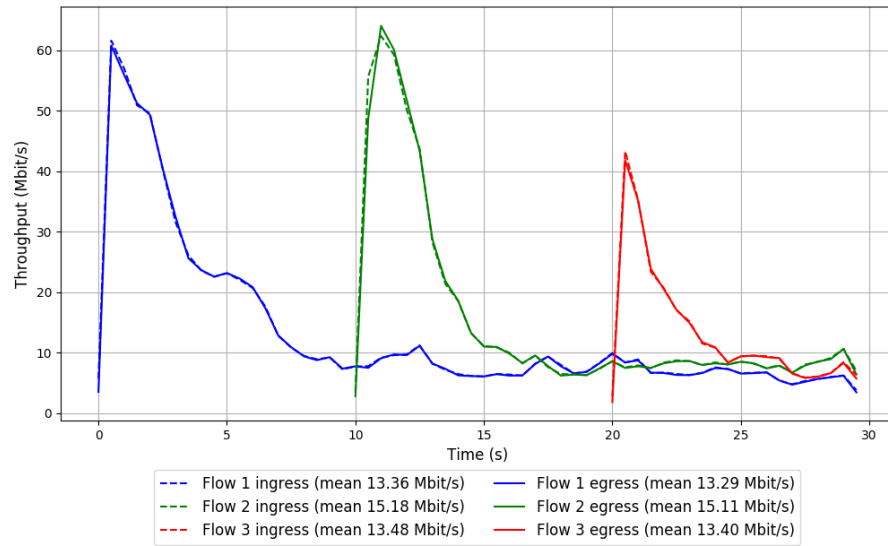


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 17:25:09
End at: 2018-03-13 17:25:39
Local clock offset: 6.318 ms
Remote clock offset: -1.733 ms

Below is generated by plot.py at 2018-03-13 22:43:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 31.881 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 13.29 Mbit/s
95th percentile per-packet one-way delay: 31.706 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 34.168 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 31.814 ms
Loss rate: 1.13%

Run 8: Report of QUIC Cubic — Data Link

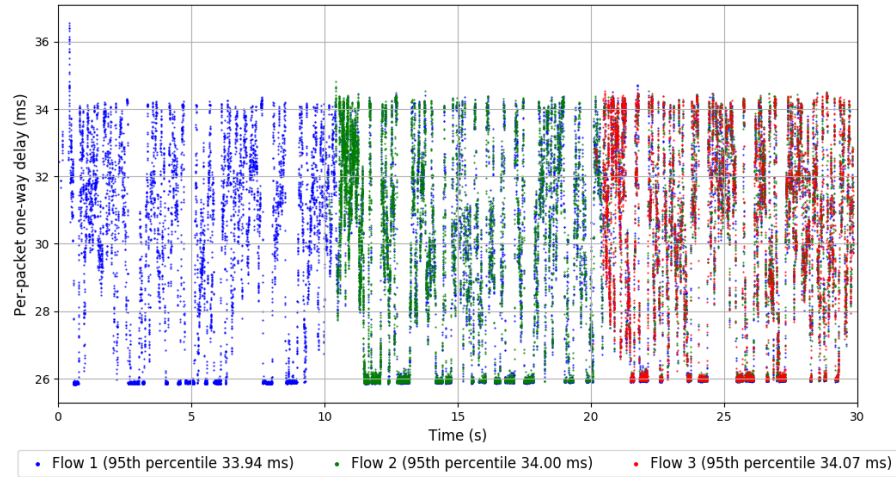
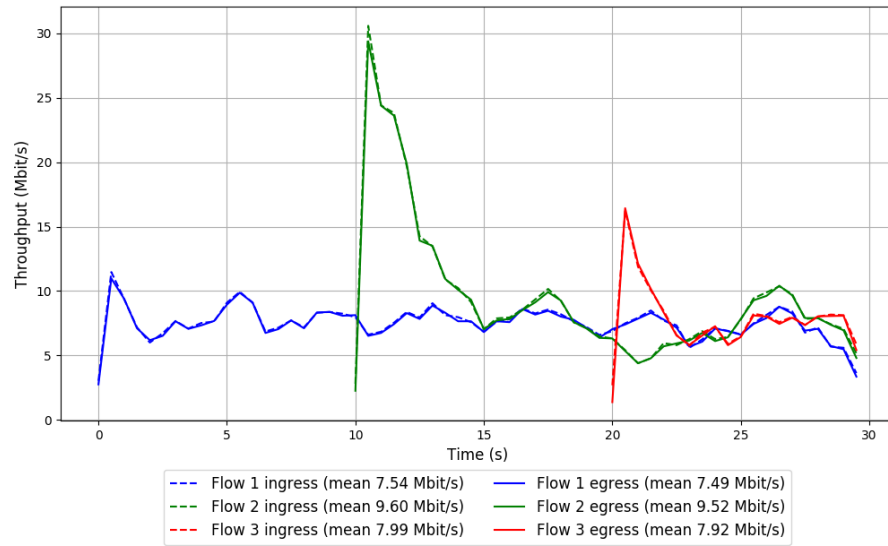


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 17:52:02
End at: 2018-03-13 17:52:32
Local clock offset: 0.079 ms
Remote clock offset: -2.505 ms

Below is generated by plot.py at 2018-03-13 22:43:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 33.988 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 33.941 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 34.000 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 34.069 ms
Loss rate: 1.39%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 18:18:09

End at: 2018-03-13 18:18:39

Local clock offset: 1.199 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-03-13 22:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 66.831 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 54.96 Mbit/s

95th percentile per-packet one-way delay: 66.711 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 27.18 Mbit/s

95th percentile per-packet one-way delay: 67.049 ms

Loss rate: 0.55%

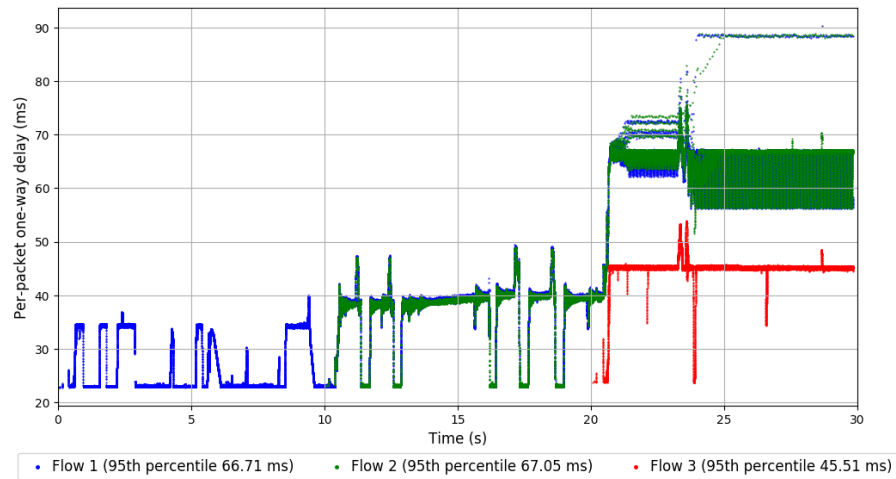
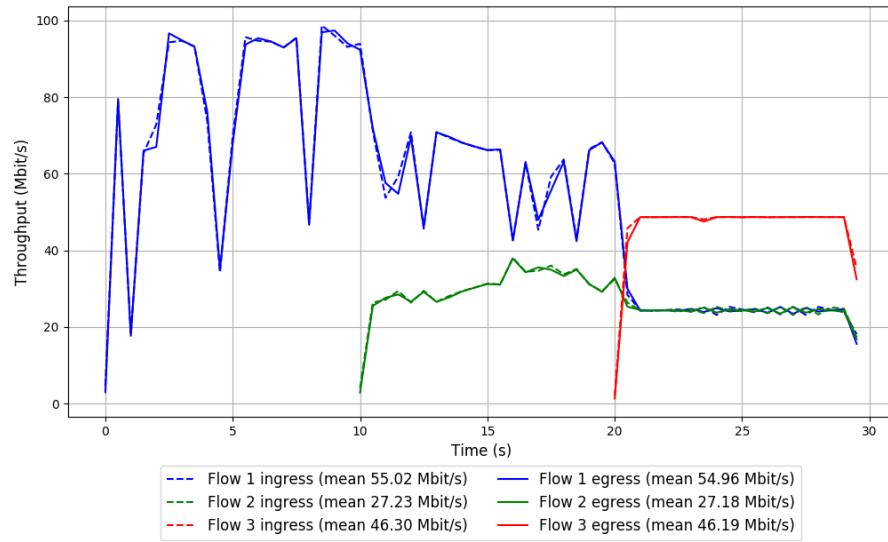
-- Flow 3:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 45.513 ms

Loss rate: 0.87%

Run 10: Report of QUIC Cubic — Data Link

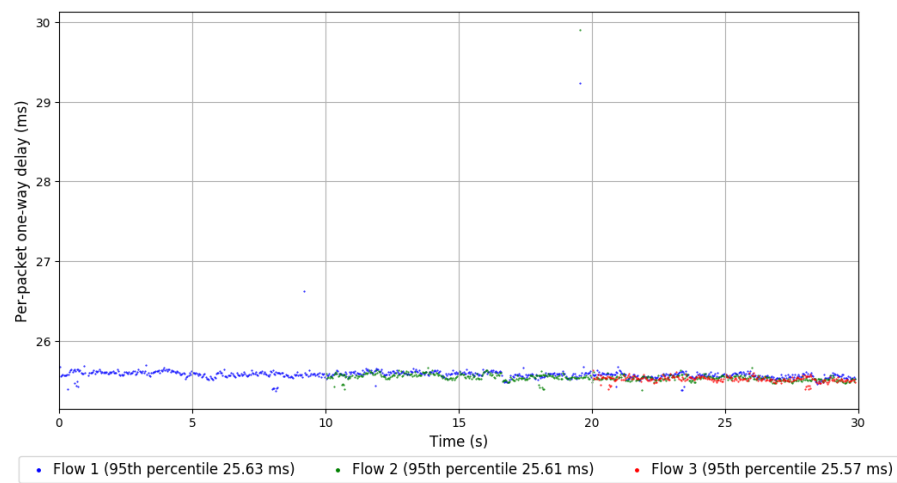
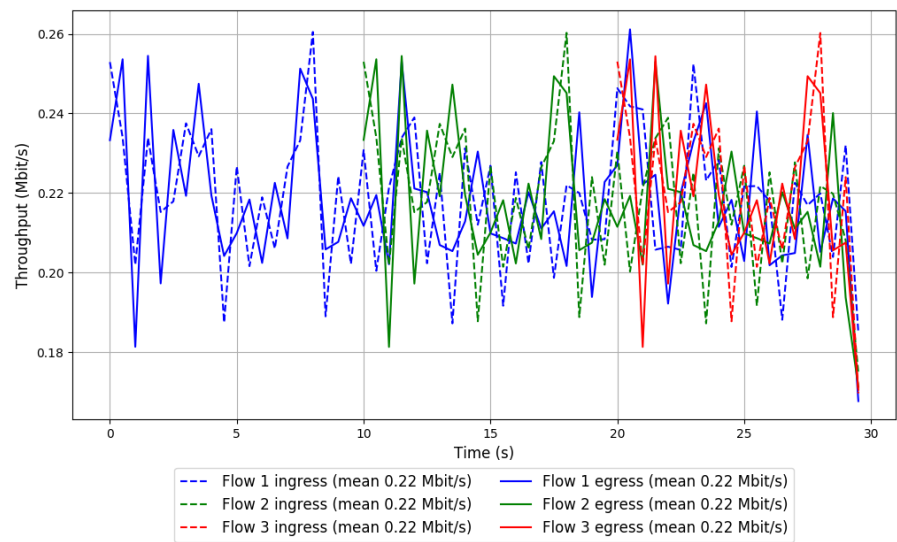


```
Run 1: Statistics of SReAM

Start at: 2018-03-13 14:11:27
End at: 2018-03-13 14:11:57
Local clock offset: 1.474 ms
Remote clock offset: -3.008 ms

# Below is generated by plot.py at 2018-03-13 22:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.624 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.631 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.606 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.571 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

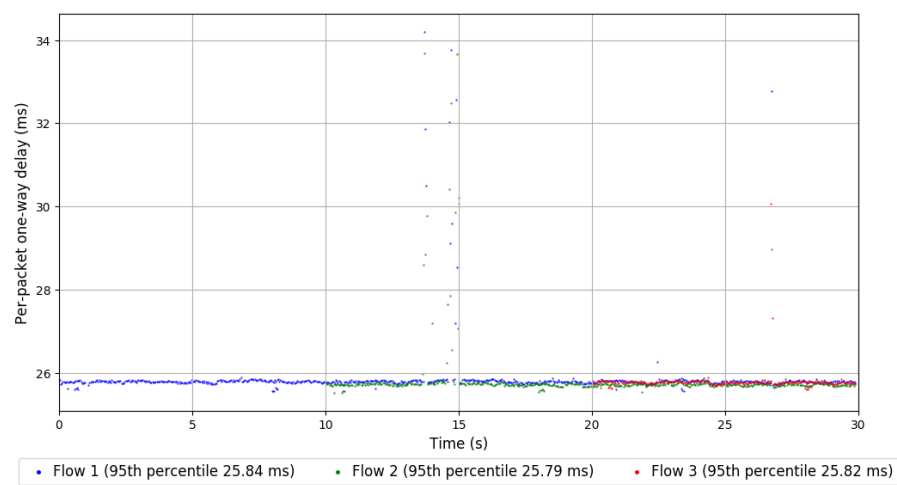
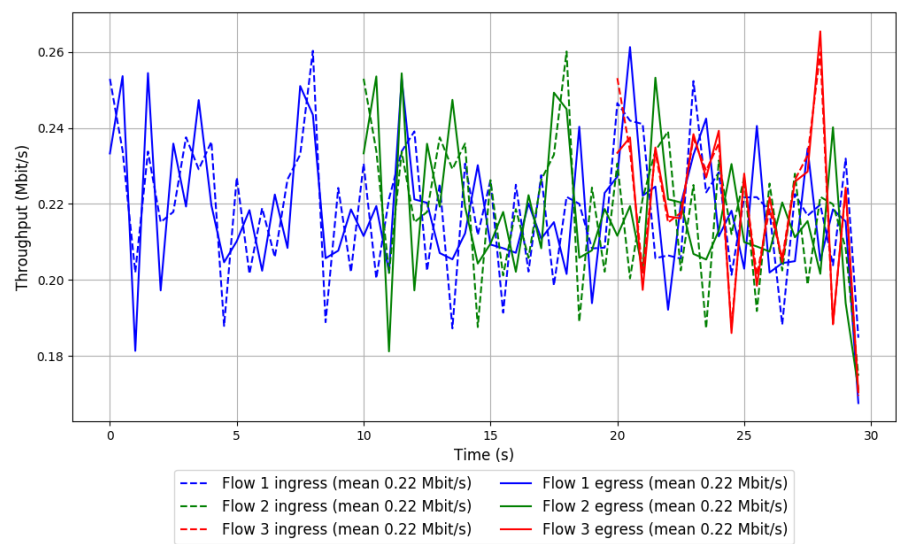


Run 2: Statistics of SReAM

Start at: 2018-03-13 14:36:12
End at: 2018-03-13 14:36:42
Local clock offset: 2.341 ms
Remote clock offset: -2.857 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 25.834 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.840 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.790 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.818 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

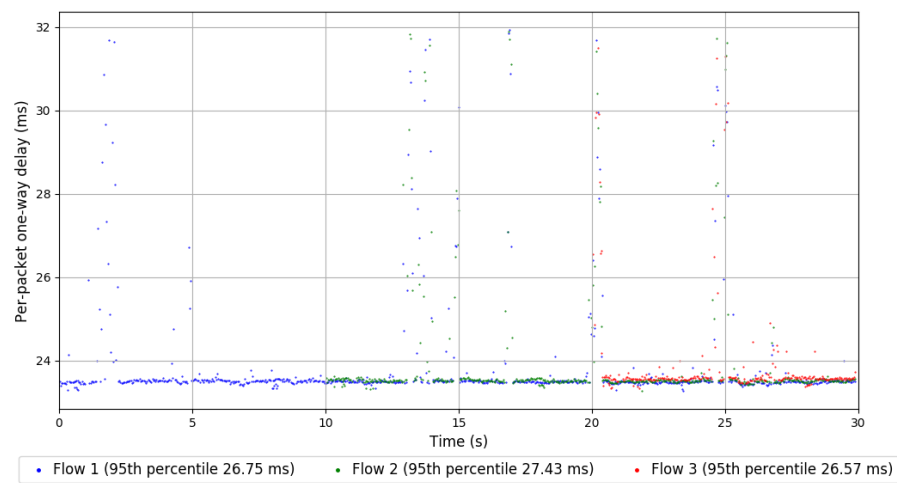
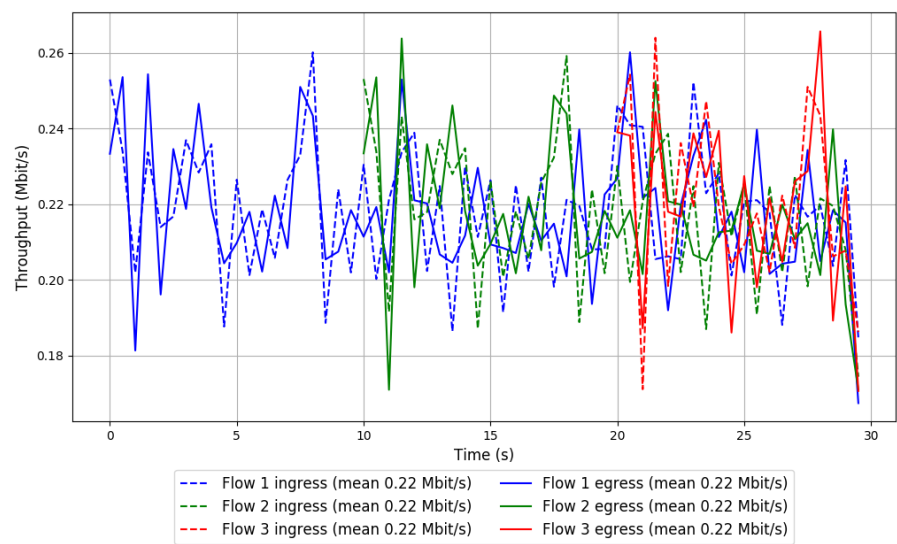


Run 3: Statistics of SReAM

Start at: 2018-03-13 15:00:56
End at: 2018-03-13 15:01:26
Local clock offset: 2.63 ms
Remote clock offset: -2.895 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 27.081 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.751 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.428 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.569 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

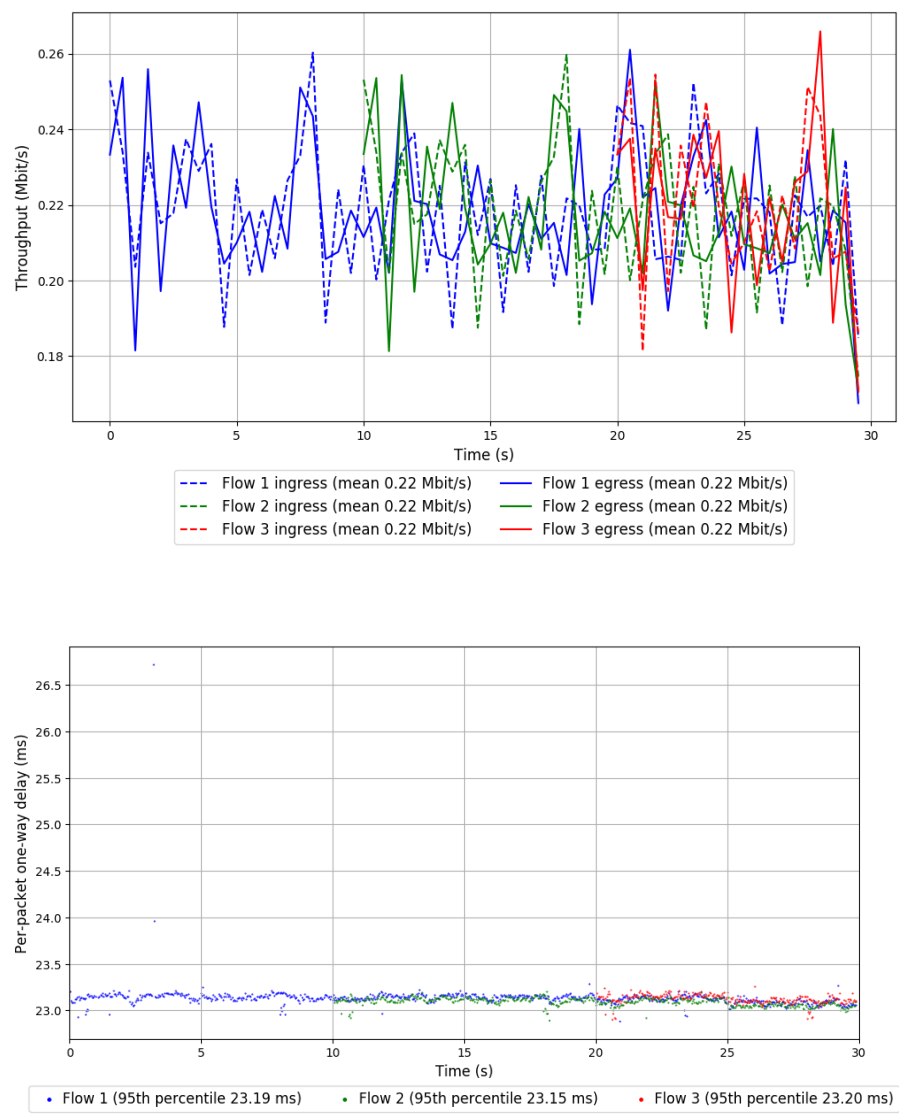


Run 4: Statistics of SReAM

Start at: 2018-03-13 15:25:49
End at: 2018-03-13 15:26:19
Local clock offset: 1.356 ms
Remote clock offset: -5.801 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.184 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.187 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.152 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.197 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

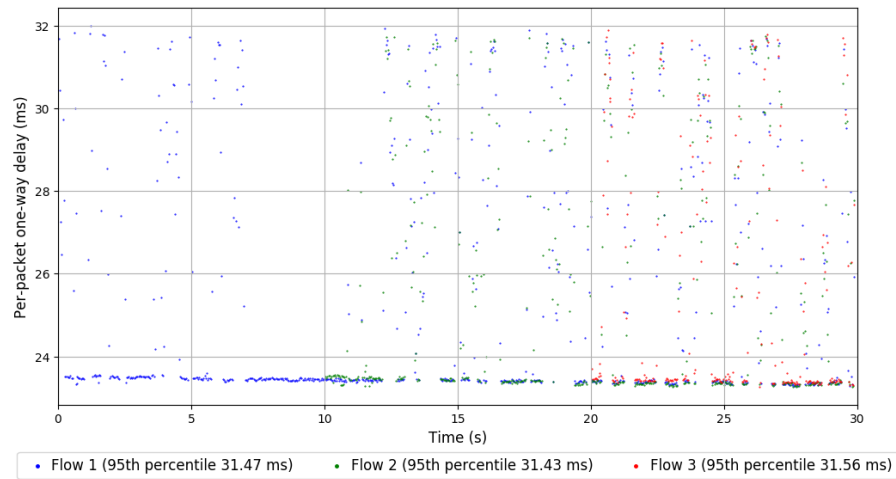
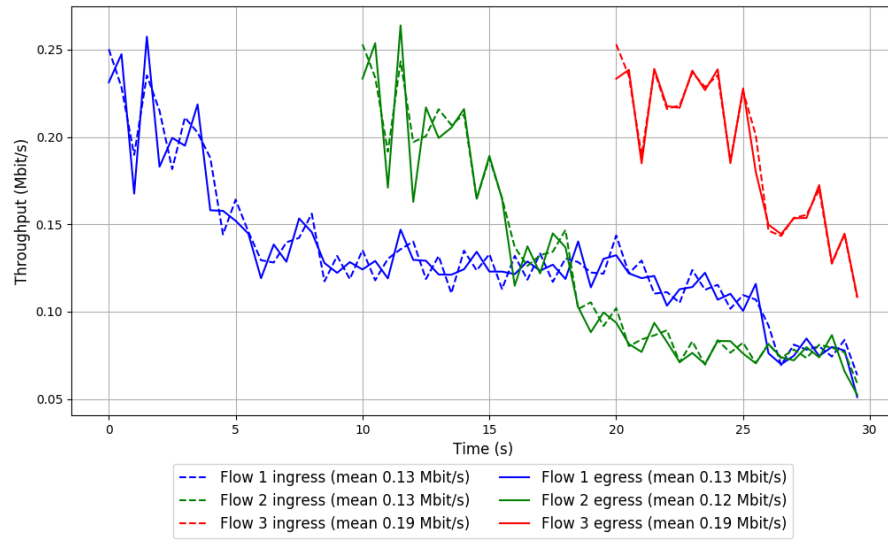


Run 5: Statistics of SCReAM

Start at: 2018-03-13 15:51:51
End at: 2018-03-13 15:52:21
Local clock offset: 0.696 ms
Remote clock offset: -10.207 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 31.463 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 31.471 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 31.434 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 31.556 ms
Loss rate: 0.81%

Run 5: Report of SCRaM — Data Link

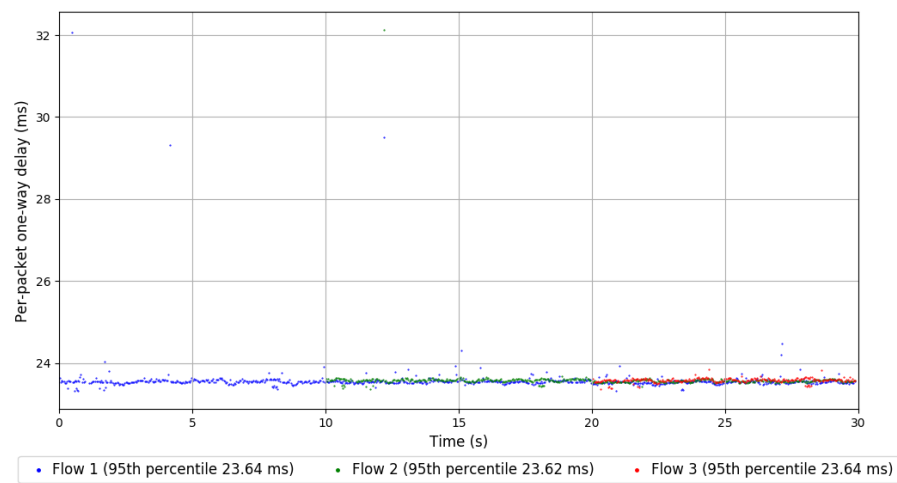
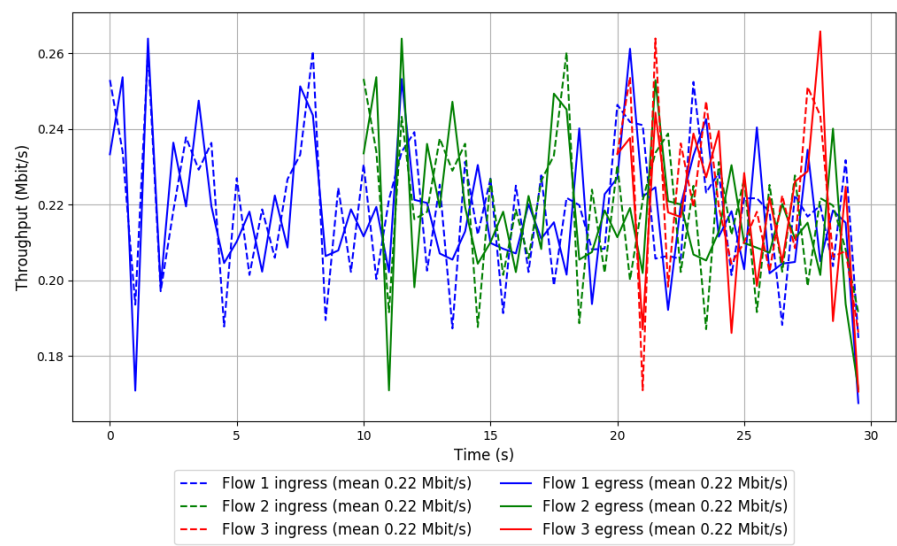


Run 6: Statistics of SReAM

Start at: 2018-03-13 16:18:12
End at: 2018-03-13 16:18:42
Local clock offset: 1.25 ms
Remote clock offset: -12.769 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 23.634 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.645 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.622 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.642 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

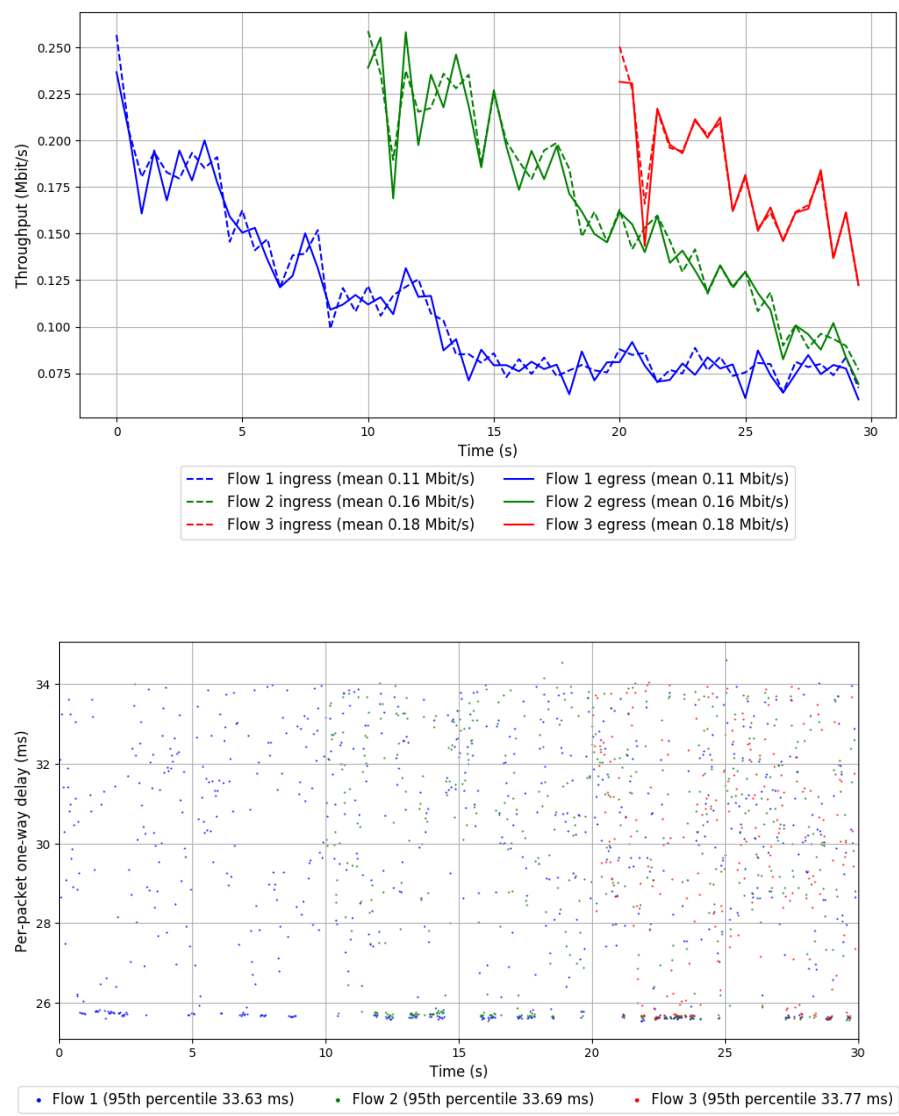


Run 7: Statistics of SCReAM

Start at: 2018-03-13 16:44:38
End at: 2018-03-13 16:45:08
Local clock offset: 4.58 ms
Remote clock offset: -17.076 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 33.686 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 33.631 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 33.686 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 33.770 ms
Loss rate: 0.86%

Run 7: Report of SReAM — Data Link

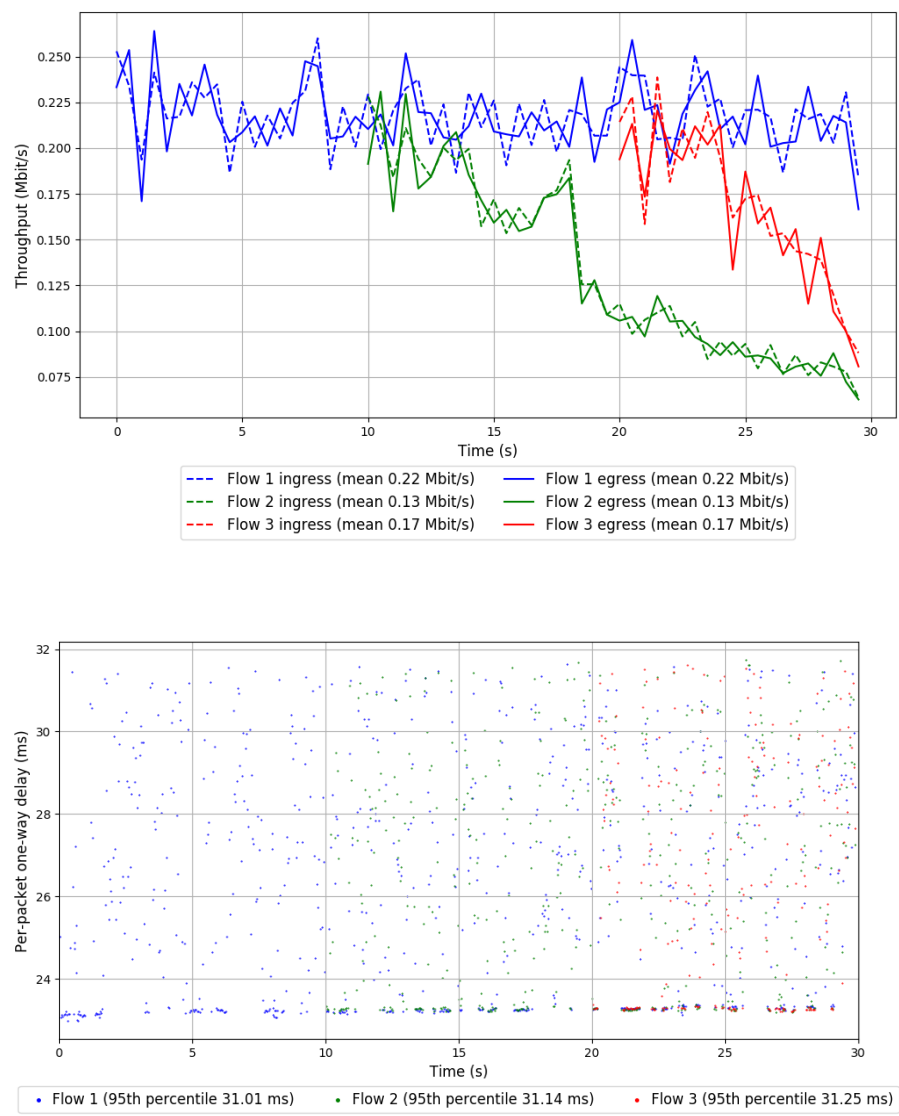


Run 8: Statistics of SCReAM

Start at: 2018-03-13 17:12:41
End at: 2018-03-13 17:13:11
Local clock offset: 5.755 ms
Remote clock offset: -4.361 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 31.084 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.009 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 31.135 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 31.246 ms
Loss rate: 1.93%

Run 8: Report of SReAM — Data Link

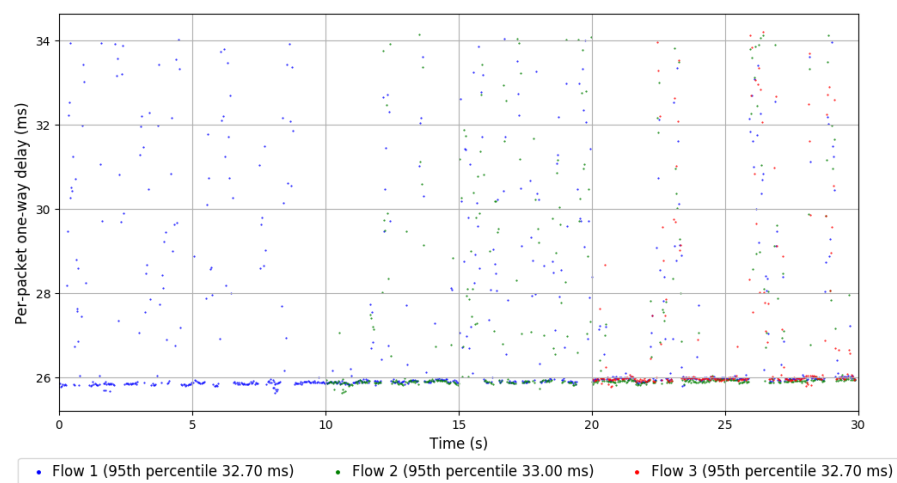
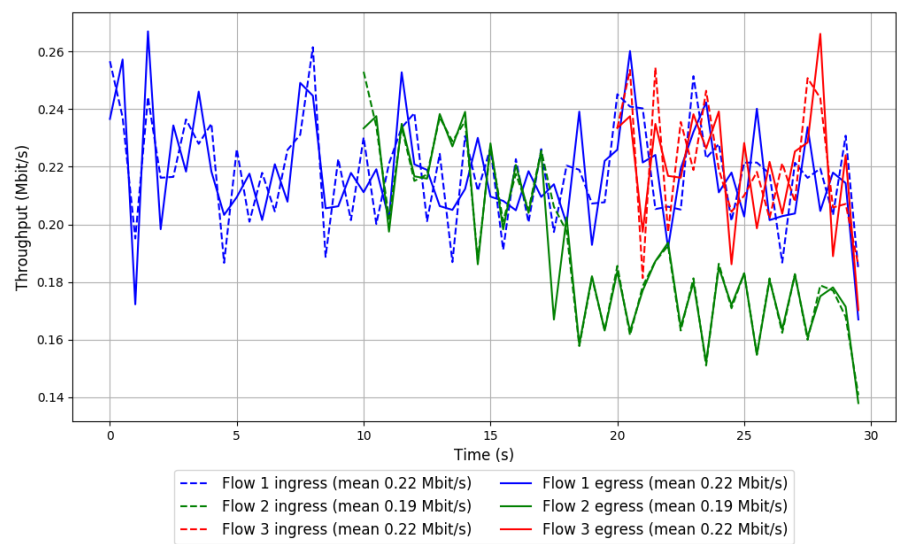


Run 9: Statistics of SCReAM

Start at: 2018-03-13 17:40:11
End at: 2018-03-13 17:40:41
Local clock offset: 2.154 ms
Remote clock offset: -2.871 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 32.765 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.703 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 33.003 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.701 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-03-13 18:07:12

End at: 2018-03-13 18:07:42

Local clock offset: -0.332 ms

Remote clock offset: 0.943 ms

Below is generated by plot.py at 2018-03-13 22:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 23.032 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.045 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.984 ms

Loss rate: 0.40%

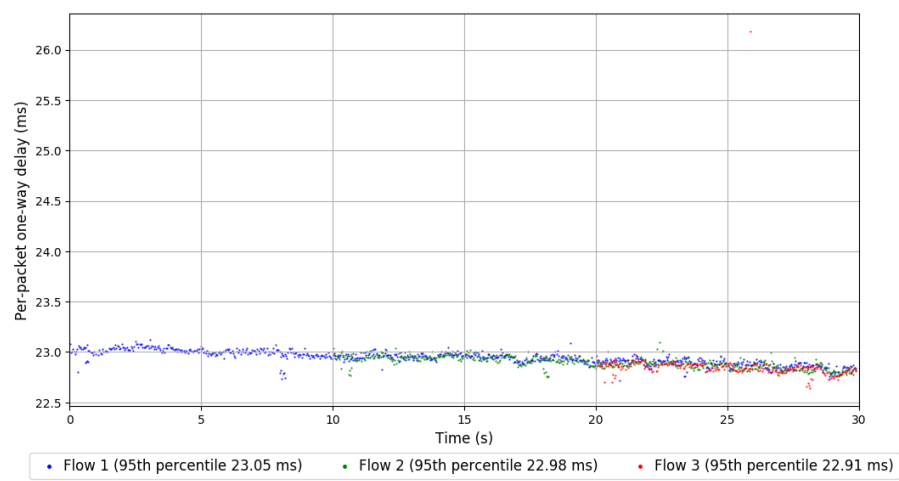
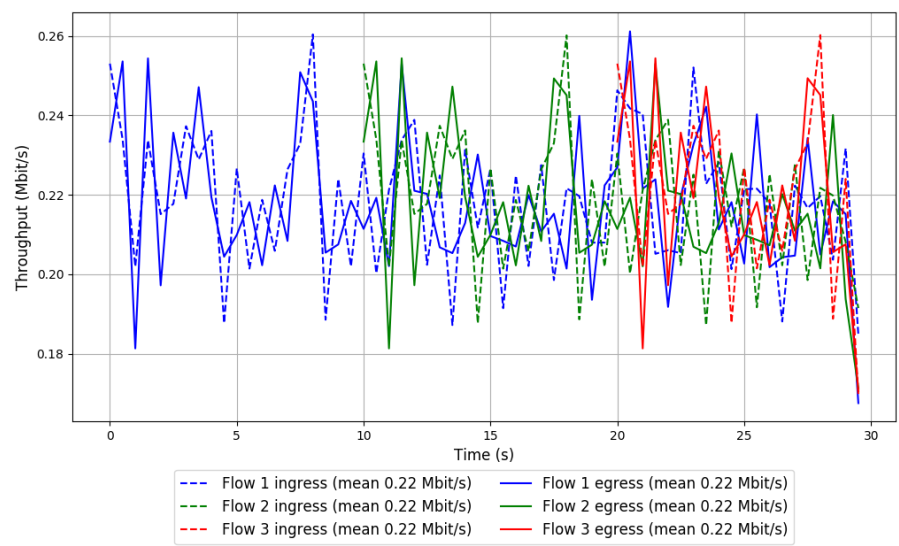
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 22.914 ms

Loss rate: 0.35%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-03-13 14:16:52

End at: 2018-03-13 14:17:22

Local clock offset: 1.827 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-03-13 22:44:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 27.001 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 25.383 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 27.769 ms

Loss rate: 1.19%

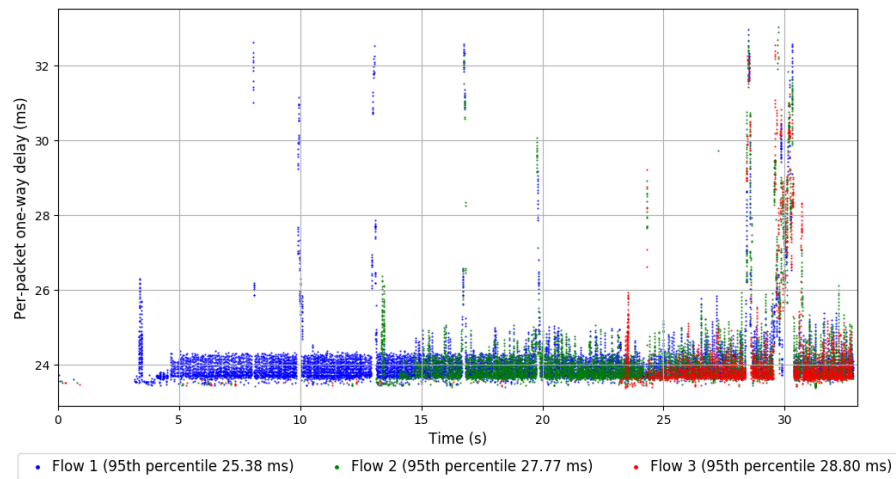
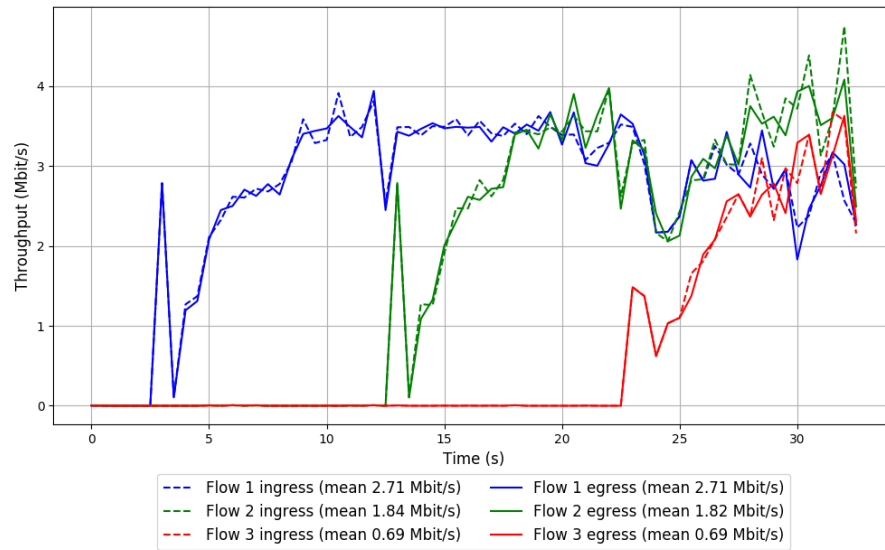
-- Flow 3:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 28.795 ms

Loss rate: 0.85%

Run 1: Report of WebRTC media — Data Link

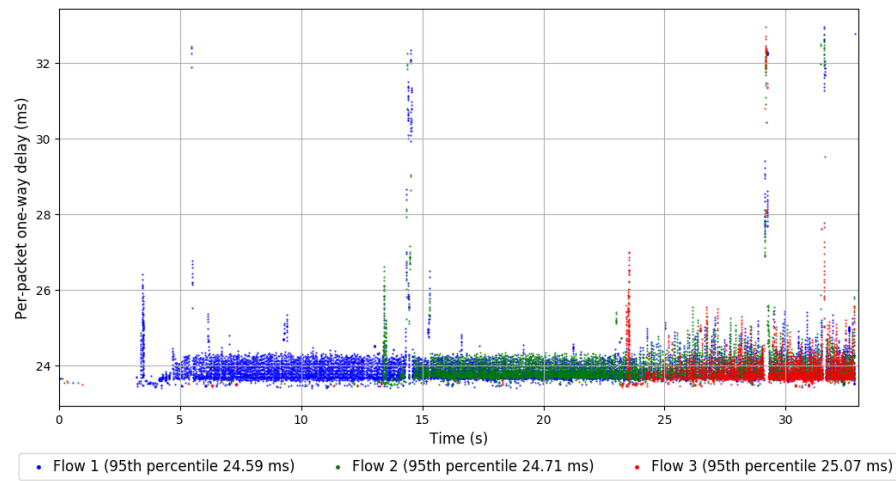
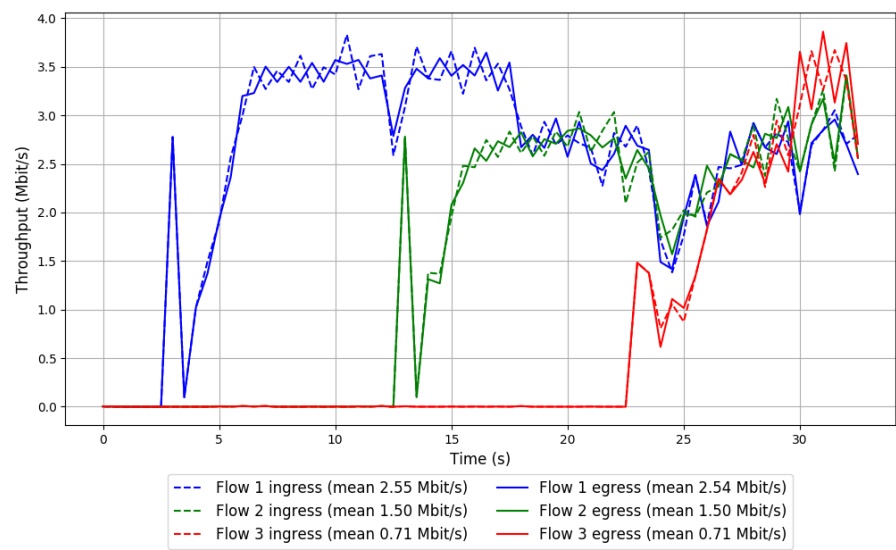


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 14:41:44
End at: 2018-03-13 14:42:14
Local clock offset: 2.414 ms
Remote clock offset: -0.808 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 24.724 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 24.589 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 24.711 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 25.073 ms
Loss rate: 0.17%

Run 2: Report of WebRTC media — Data Link

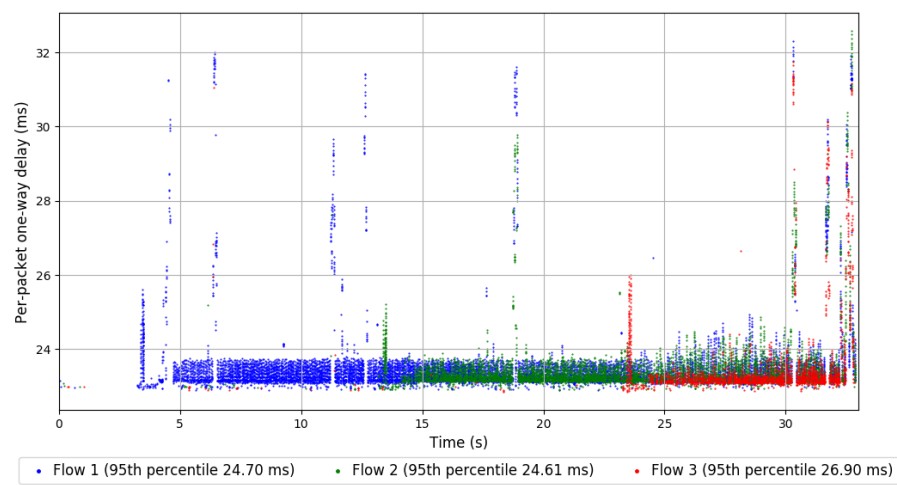
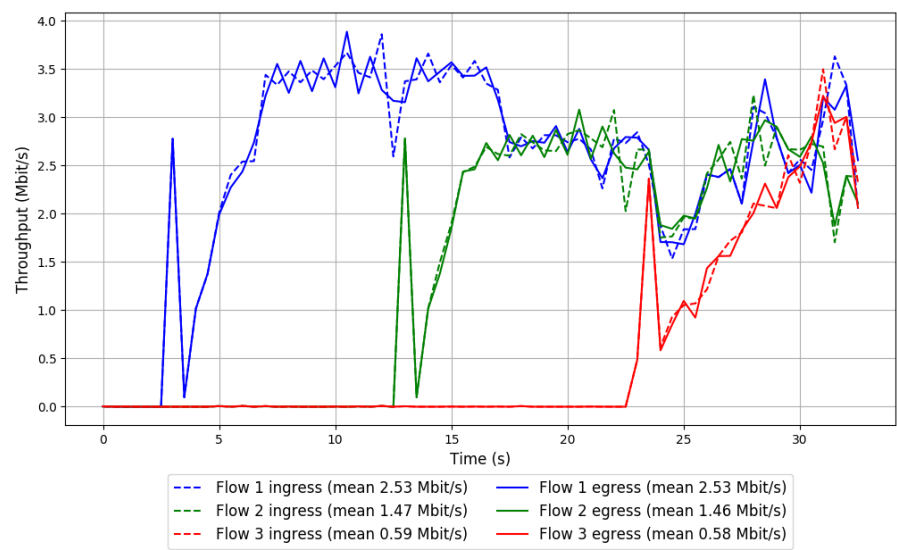


Run 3: Statistics of WebRTC media

Start at: 2018-03-13 15:06:25
End at: 2018-03-13 15:06:55
Local clock offset: 2.717 ms
Remote clock offset: -2.772 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 25.218 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 24.696 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 24.614 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 26.896 ms
Loss rate: 0.85%

Run 3: Report of WebRTC media — Data Link

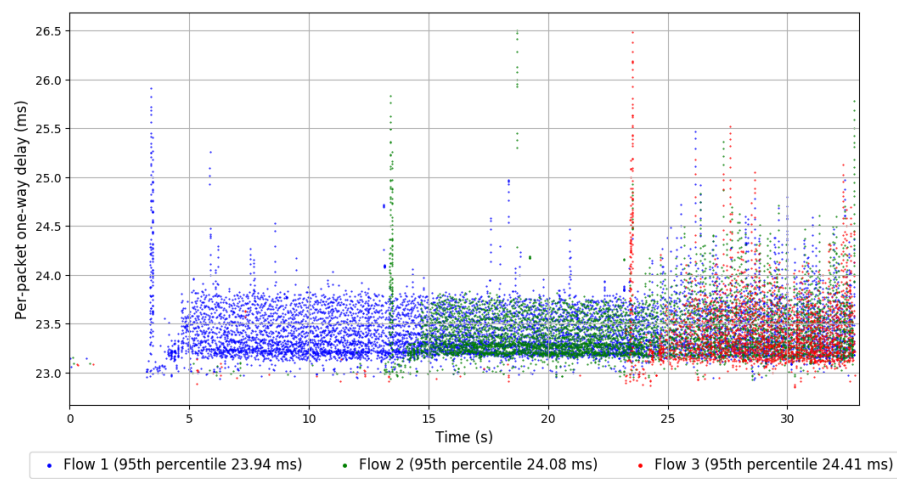
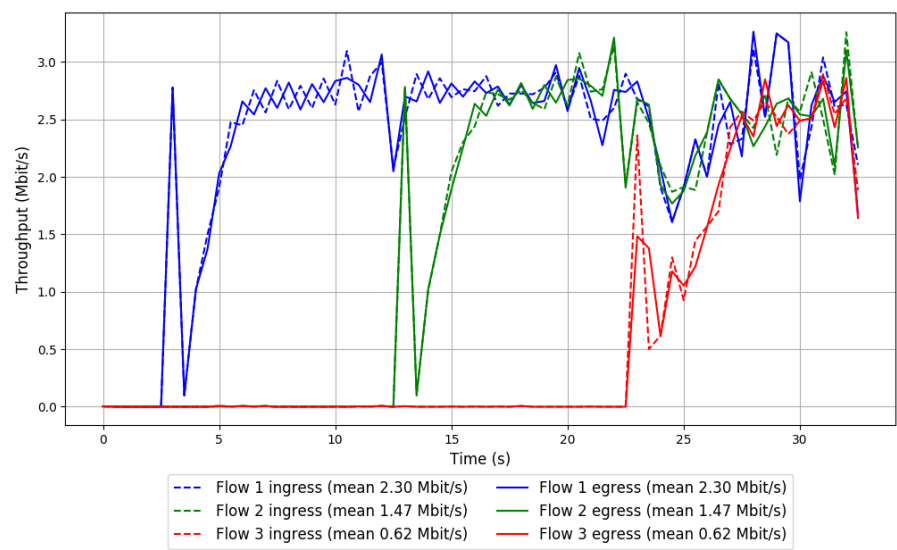


Run 4: Statistics of WebRTC media

Start at: 2018-03-13 15:31:26
End at: 2018-03-13 15:31:56
Local clock offset: 1.017 ms
Remote clock offset: -6.904 ms

```
# Below is generated by plot.py at 2018-03-13 22:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 24.055 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 23.937 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 24.078 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 24.407 ms
Loss rate: 0.60%
```

Run 4: Report of WebRTC media — Data Link

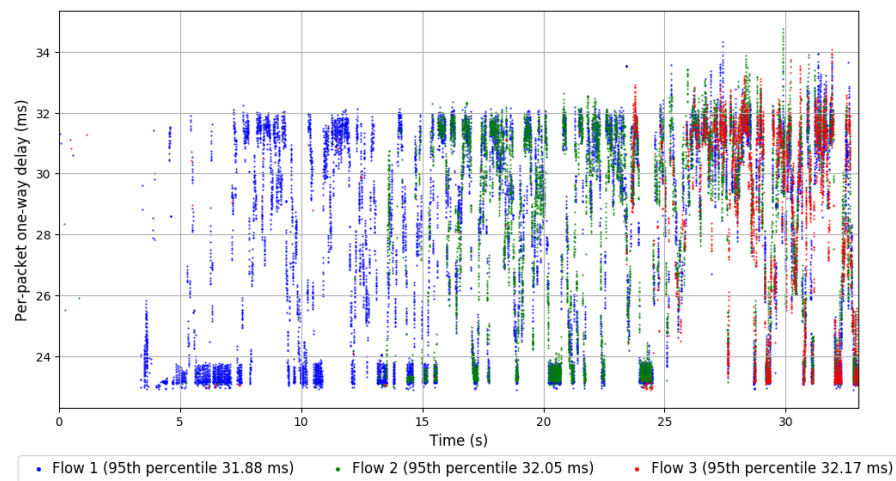
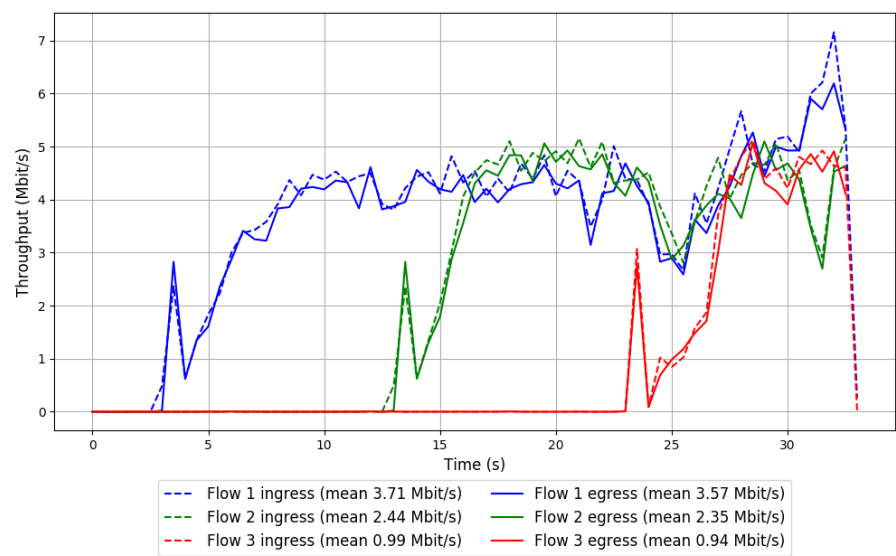


Run 5: Statistics of WebRTC media

Start at: 2018-03-13 15:58:26
End at: 2018-03-13 15:58:56
Local clock offset: 1.071 ms
Remote clock offset: -10.559 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 31.966 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 31.877 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 32.170 ms
Loss rate: 5.12%

Run 5: Report of WebRTC media — Data Link

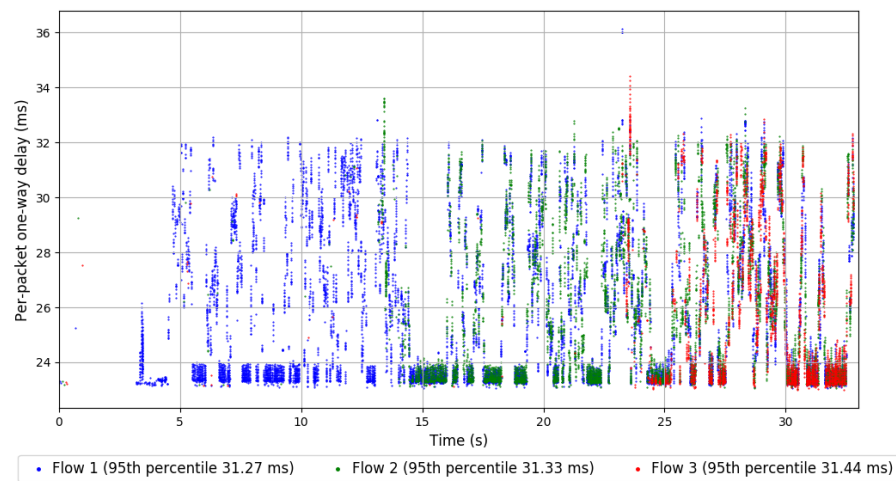
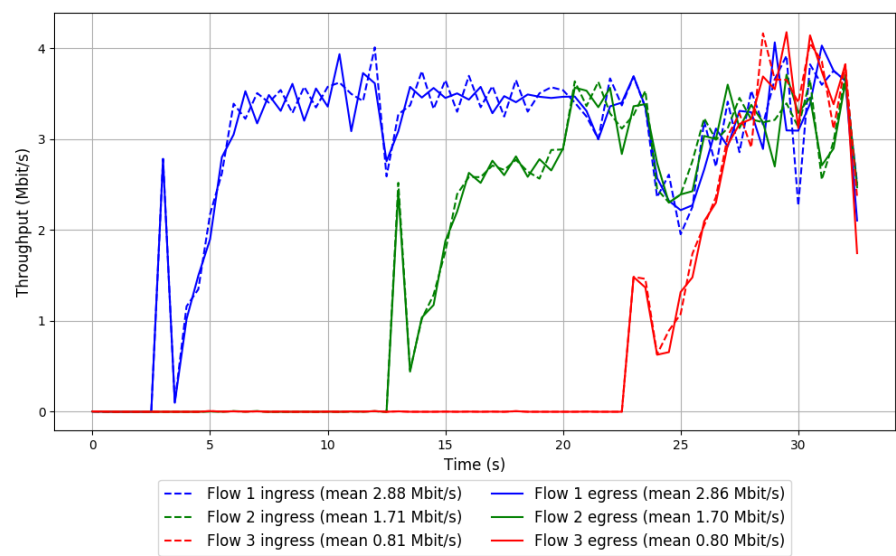


Run 6: Statistics of WebRTC media

Start at: 2018-03-13 16:23:41
End at: 2018-03-13 16:24:11
Local clock offset: 1.649 ms
Remote clock offset: -13.203 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 31.320 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 31.270 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 31.331 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 31.442 ms
Loss rate: 1.86%

Run 6: Report of WebRTC media — Data Link

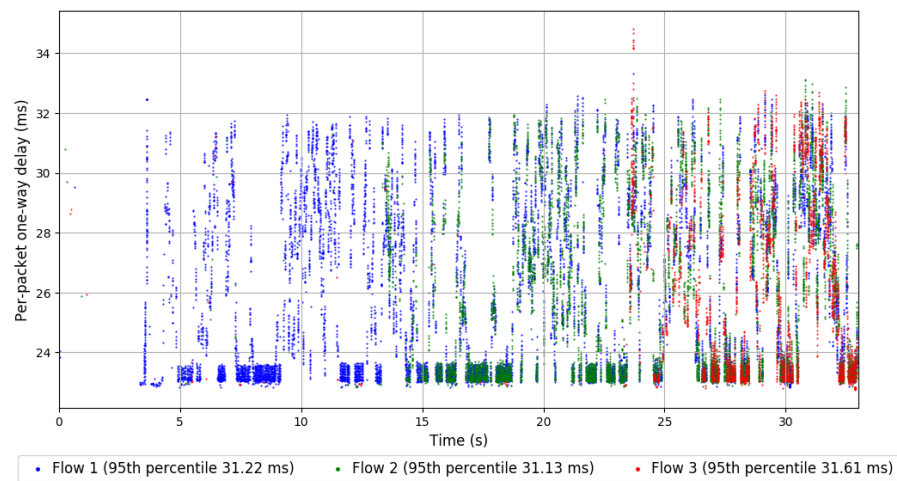
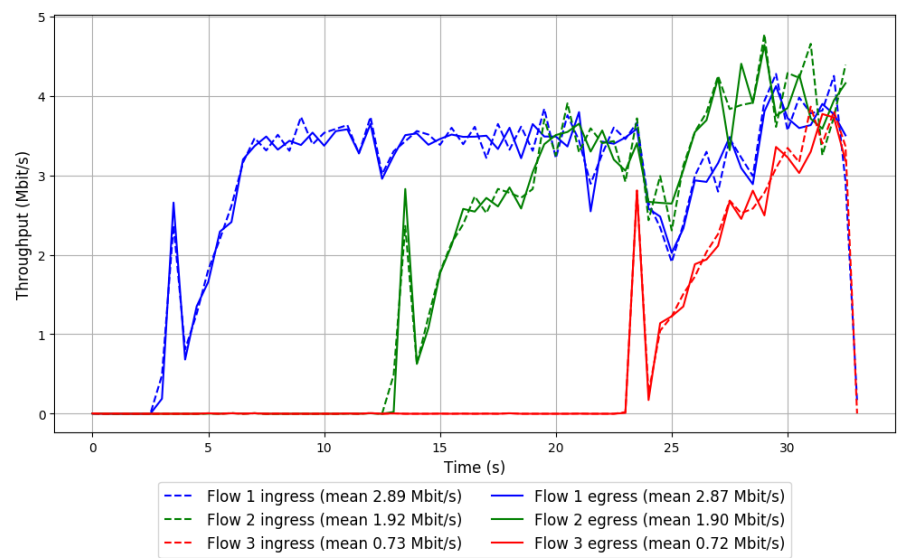


Run 7: Statistics of WebRTC media

Start at: 2018-03-13 16:51:01
End at: 2018-03-13 16:51:31
Local clock offset: 4.825 ms
Remote clock offset: -15.122 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 31.254 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 31.221 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 31.132 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 31.614 ms
Loss rate: 1.76%

Run 7: Report of WebRTC media — Data Link

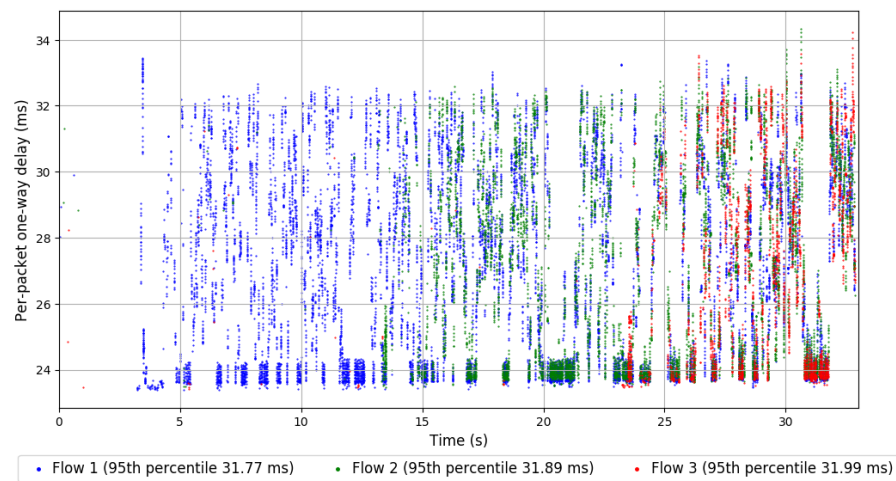
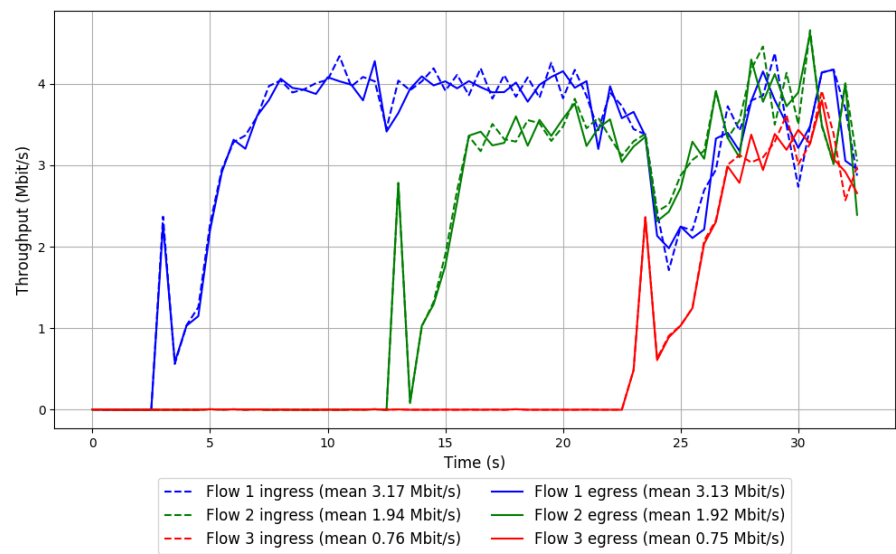


Run 8: Statistics of WebRTC media

Start at: 2018-03-13 17:19:04
End at: 2018-03-13 17:19:34
Local clock offset: 6.072 ms
Remote clock offset: -2.886 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 31.852 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 31.766 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 31.892 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 31.990 ms
Loss rate: 1.17%

Run 8: Report of WebRTC media — Data Link

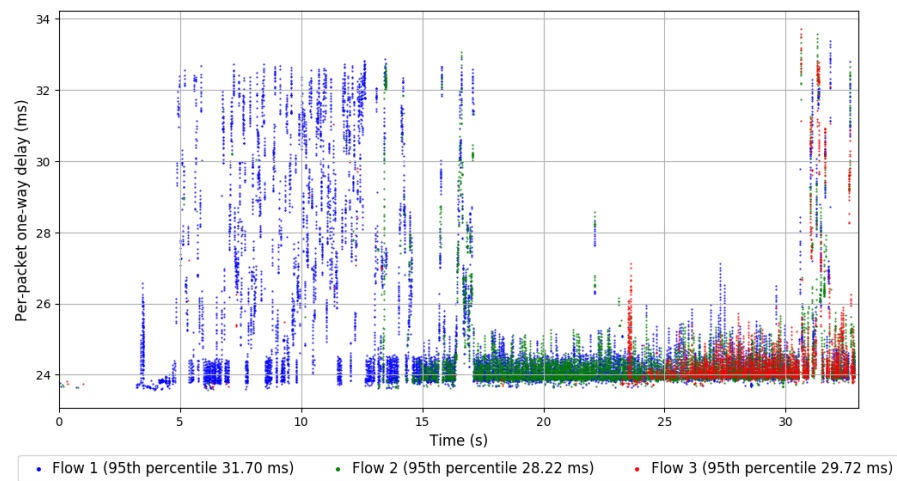
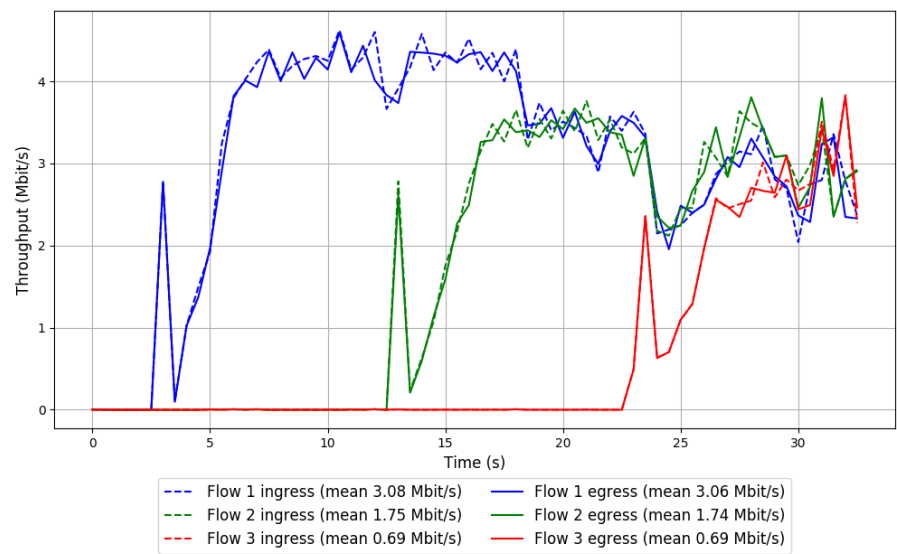


Run 9: Statistics of WebRTC media

Start at: 2018-03-13 17:46:18
End at: 2018-03-13 17:46:48
Local clock offset: 0.881 ms
Remote clock offset: -0.707 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 31.256 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 31.704 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 28.216 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 29.720 ms
Loss rate: 1.03%

Run 9: Report of WebRTC media — Data Link

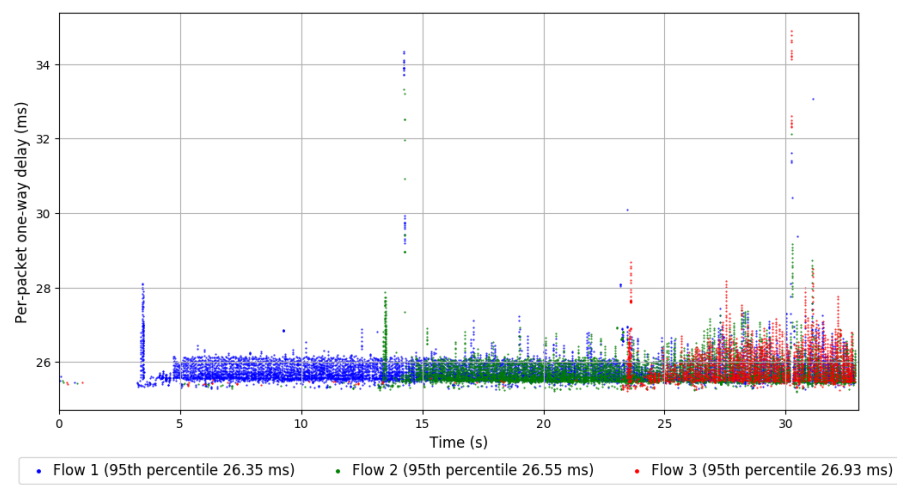
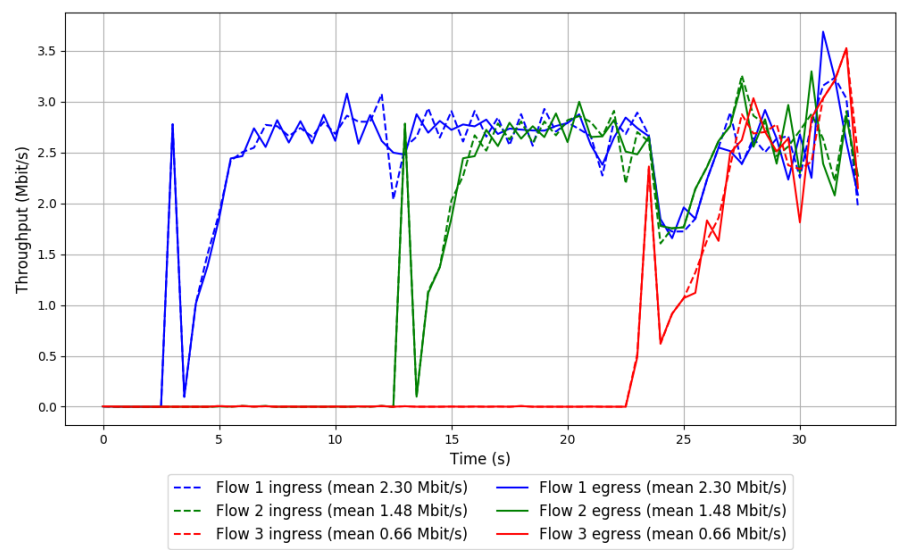


Run 10: Statistics of WebRTC media

Start at: 2018-03-13 18:12:44
End at: 2018-03-13 18:13:14
Local clock offset: 0.648 ms
Remote clock offset: -2.266 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 26.550 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 26.350 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.548 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 26.925 ms
Loss rate: 0.94%

Run 10: Report of WebRTC media — Data Link

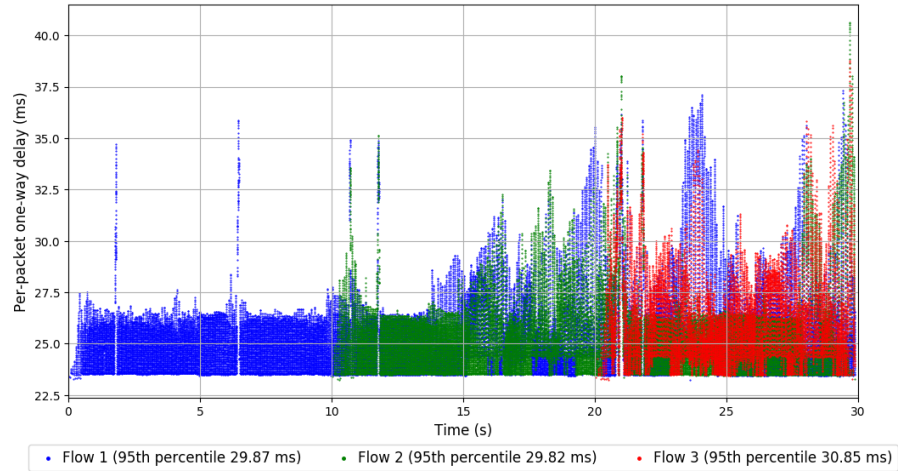
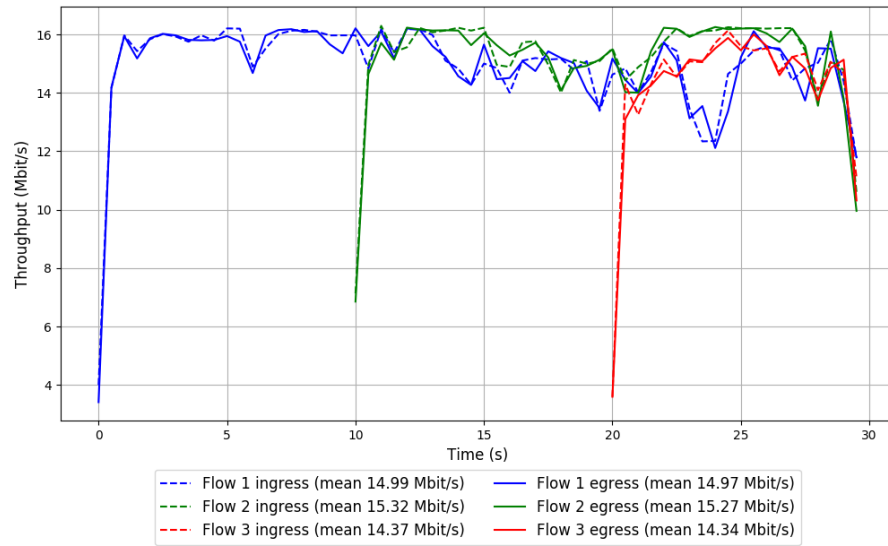


Run 1: Statistics of Sprout

Start at: 2018-03-13 14:06:01
End at: 2018-03-13 14:06:31
Local clock offset: 0.898 ms
Remote clock offset: -0.892 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 30.081 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 29.872 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 29.823 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 0.81%

Run 1: Report of Sprout — Data Link

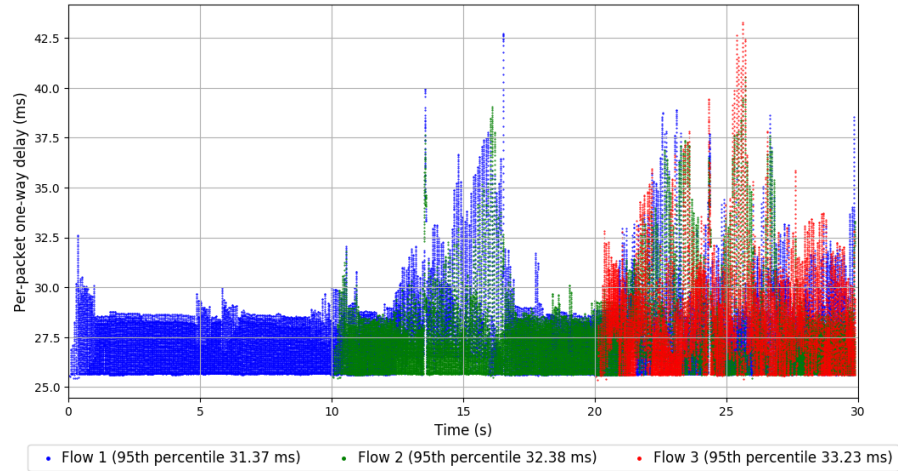
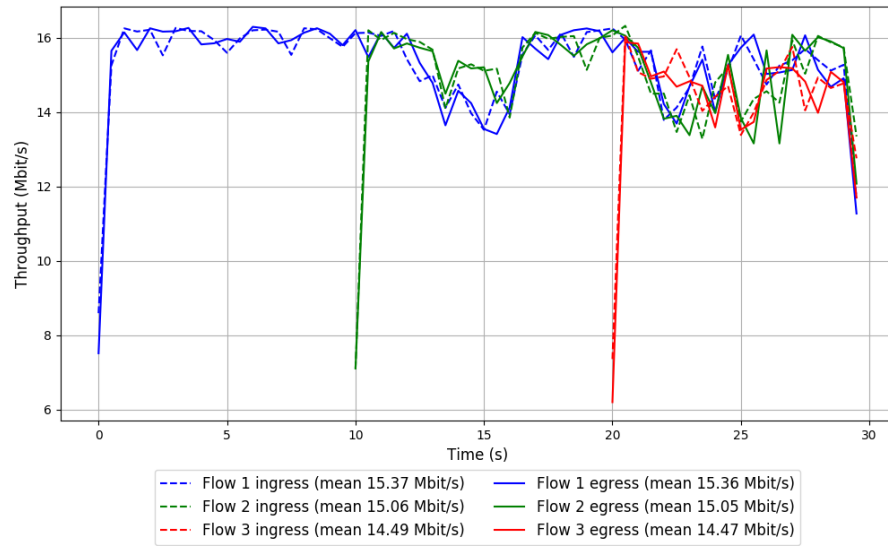


Run 2: Statistics of Sprout

Start at: 2018-03-13 14:30:46
End at: 2018-03-13 14:31:16
Local clock offset: 2.136 ms
Remote clock offset: -2.834 ms

```
# Below is generated by plot.py at 2018-03-13 22:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 32.089 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 31.374 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 32.380 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 33.231 ms
Loss rate: 0.75%
```

Run 2: Report of Sprout — Data Link

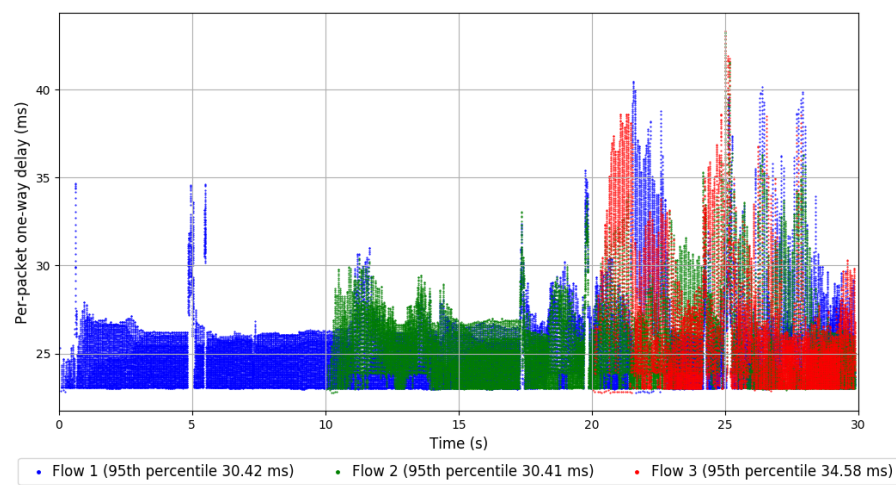
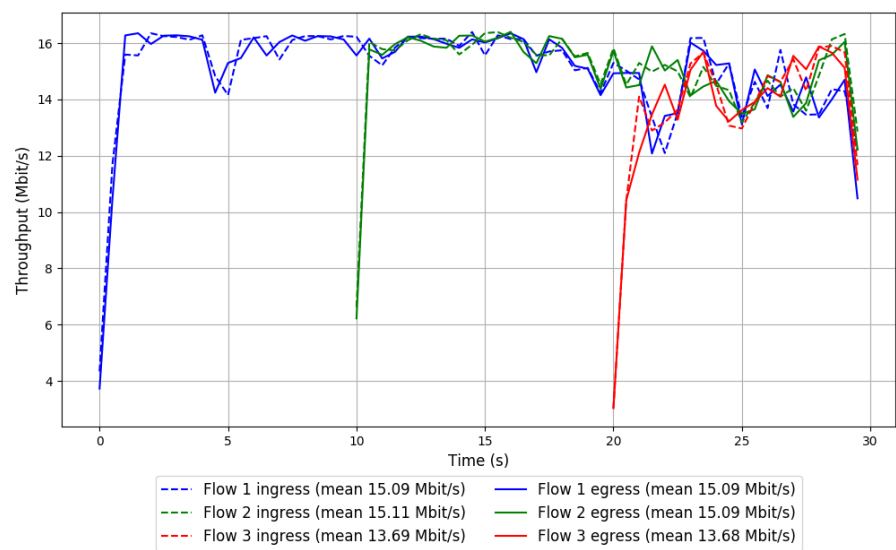


Run 3: Statistics of Sprout

Start at: 2018-03-13 14:55:28
End at: 2018-03-13 14:55:58
Local clock offset: 2.64 ms
Remote clock offset: -1.984 ms

```
# Below is generated by plot.py at 2018-03-13 22:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 31.429 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 30.423 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 30.413 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 34.582 ms
Loss rate: 0.70%
```


Run 3: Report of Sprout — Data Link

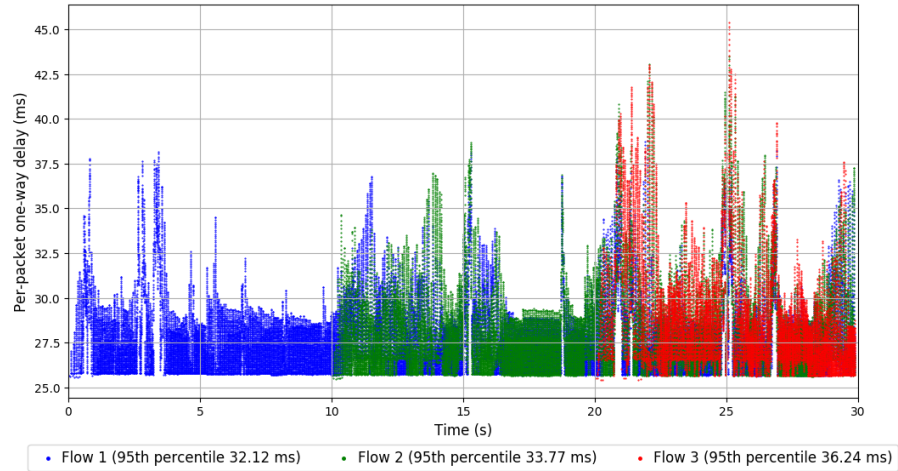
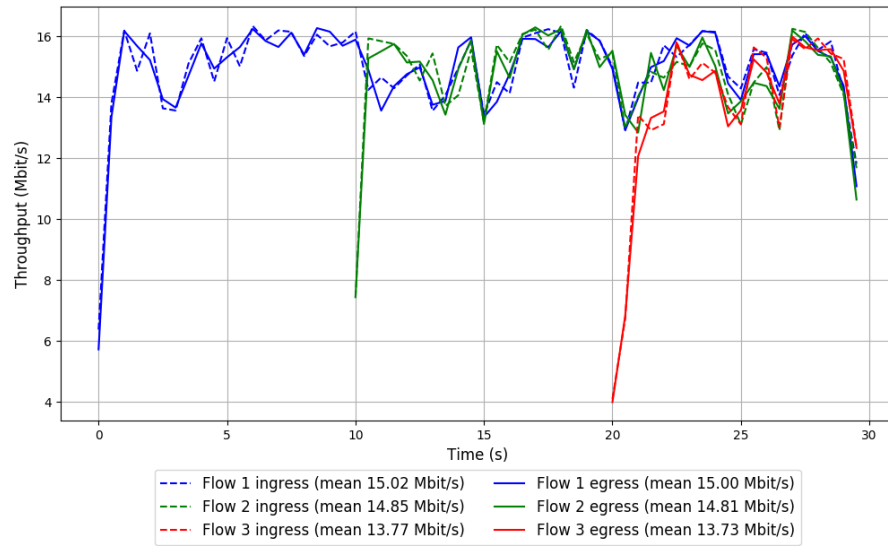


Run 4: Statistics of Sprout

Start at: 2018-03-13 15:20:16
End at: 2018-03-13 15:20:46
Local clock offset: 1.782 ms
Remote clock offset: -7.127 ms

```
# Below is generated by plot.py at 2018-03-13 22:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 33.459 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 33.772 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 13.73 Mbit/s
95th percentile per-packet one-way delay: 36.238 ms
Loss rate: 0.64%
```

Run 4: Report of Sprout — Data Link

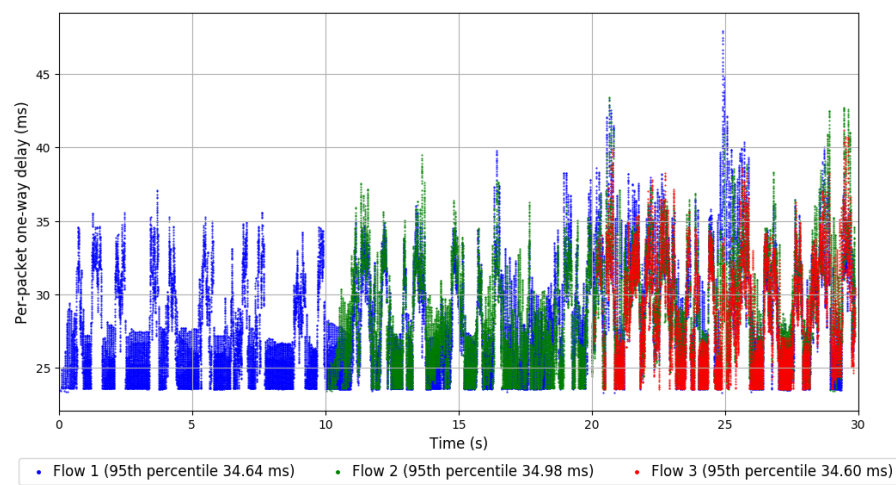
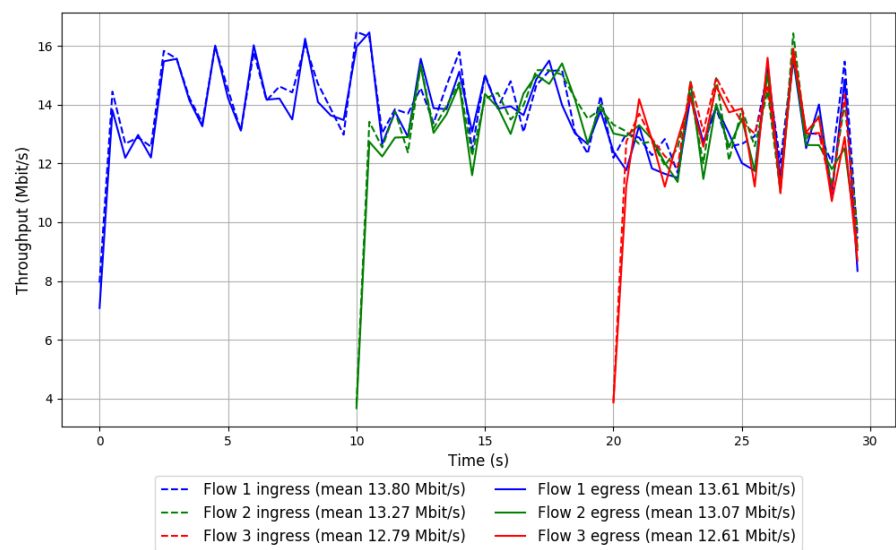


Run 5: Statistics of Sprout

Start at: 2018-03-13 15:45:50
End at: 2018-03-13 15:46:20
Local clock offset: 0.558 ms
Remote clock offset: -9.334 ms

```
# Below is generated by plot.py at 2018-03-13 22:44:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 34.738 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 34.637 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 34.977 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 34.600 ms
Loss rate: 1.94%
```

Run 5: Report of Sprout — Data Link

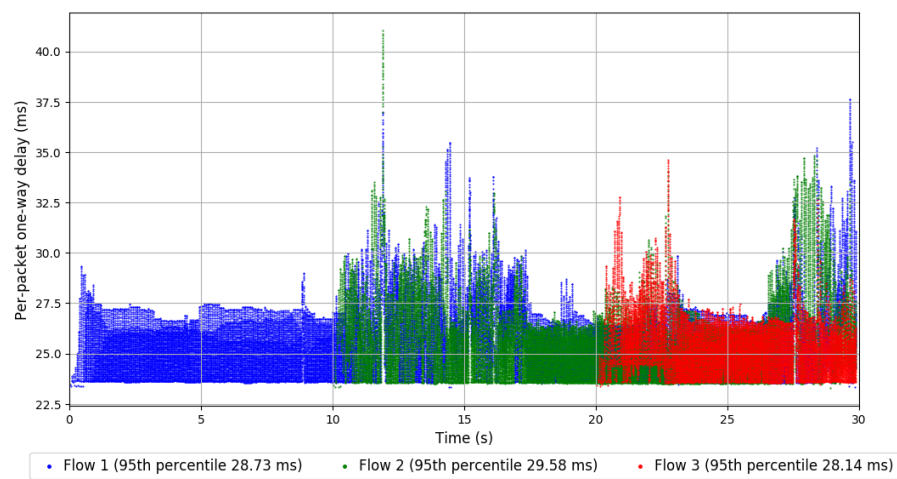
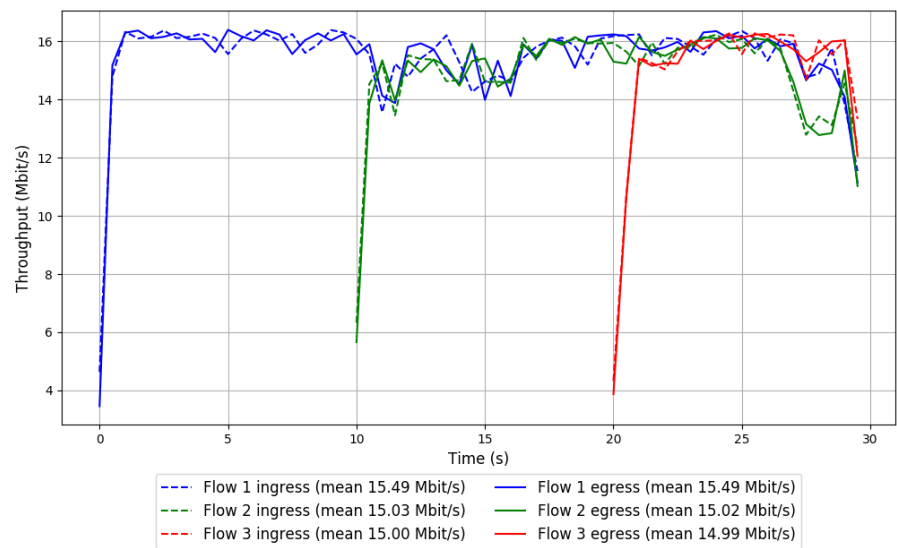


Run 6: Statistics of Sprout

Start at: 2018-03-13 16:12:47
End at: 2018-03-13 16:13:17
Local clock offset: 1.231 ms
Remote clock offset: -12.315 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 28.951 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 28.726 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 29.584 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 14.99 Mbit/s
95th percentile per-packet one-way delay: 28.139 ms
Loss rate: 0.66%

Run 6: Report of Sprout — Data Link

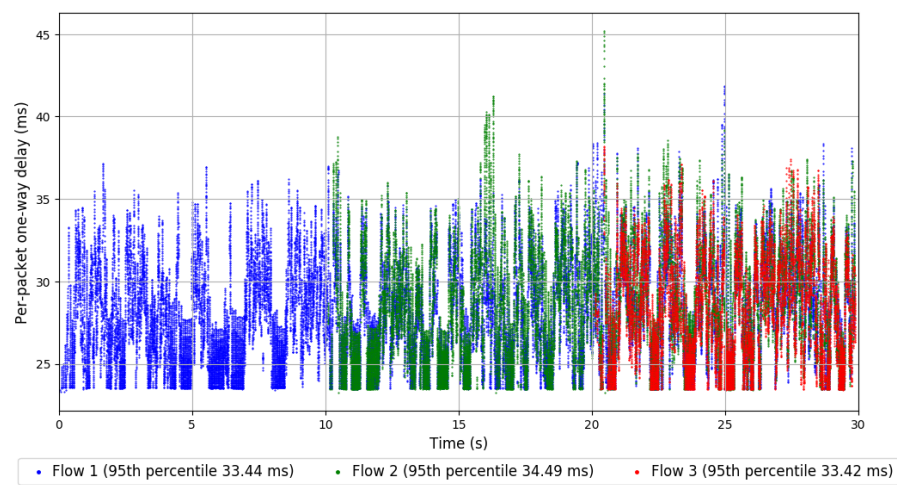
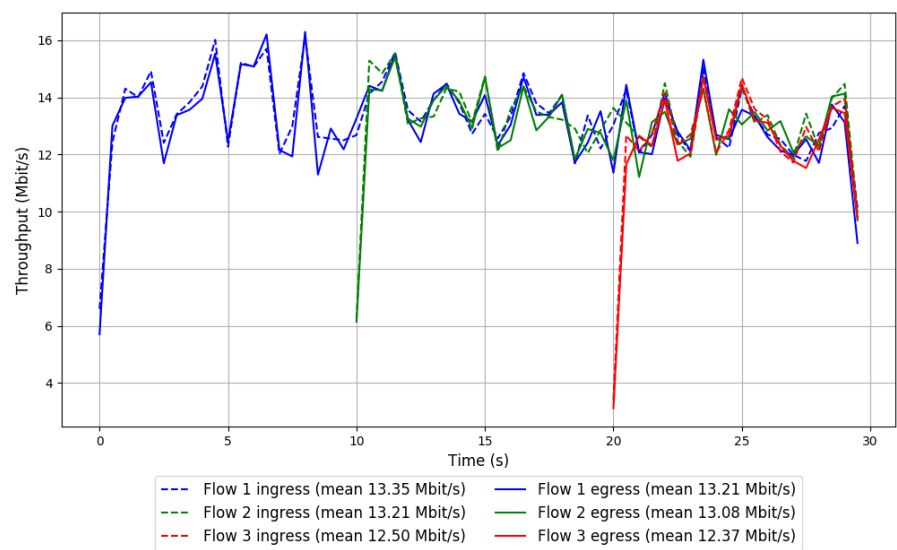


Run 7: Statistics of Sprout

Start at: 2018-03-13 16:38:03
End at: 2018-03-13 16:38:33
Local clock offset: 3.968 ms
Remote clock offset: -14.436 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.97 Mbit/s
95th percentile per-packet one-way delay: 33.801 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 13.21 Mbit/s
95th percentile per-packet one-way delay: 33.444 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 34.487 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 33.422 ms
Loss rate: 1.63%

Run 7: Report of Sprout — Data Link

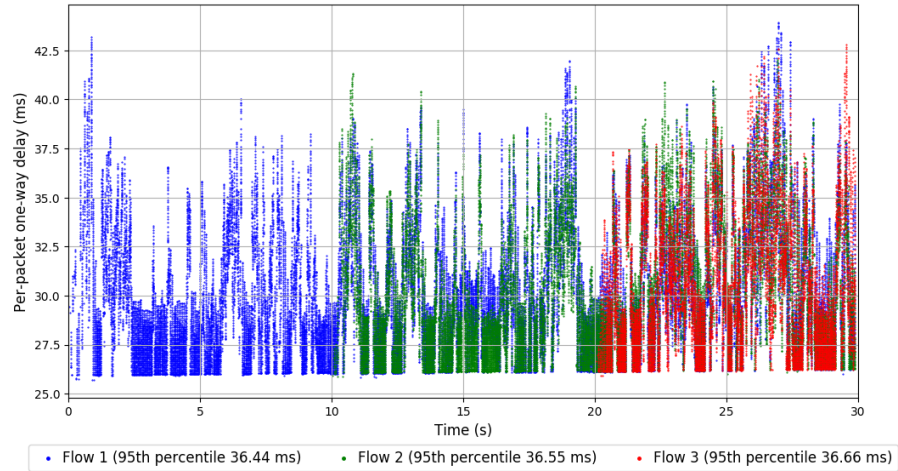
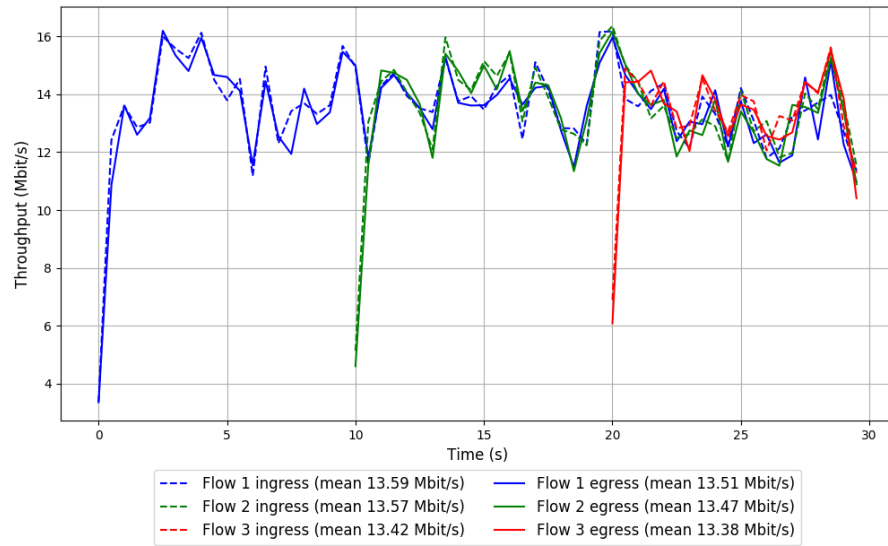


Run 8: Statistics of Sprout

Start at: 2018-03-13 17:06:19
End at: 2018-03-13 17:06:49
Local clock offset: 5.586 ms
Remote clock offset: -10.397 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 36.518 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 36.444 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 36.552 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 36.662 ms
Loss rate: 0.82%

Run 8: Report of Sprout — Data Link

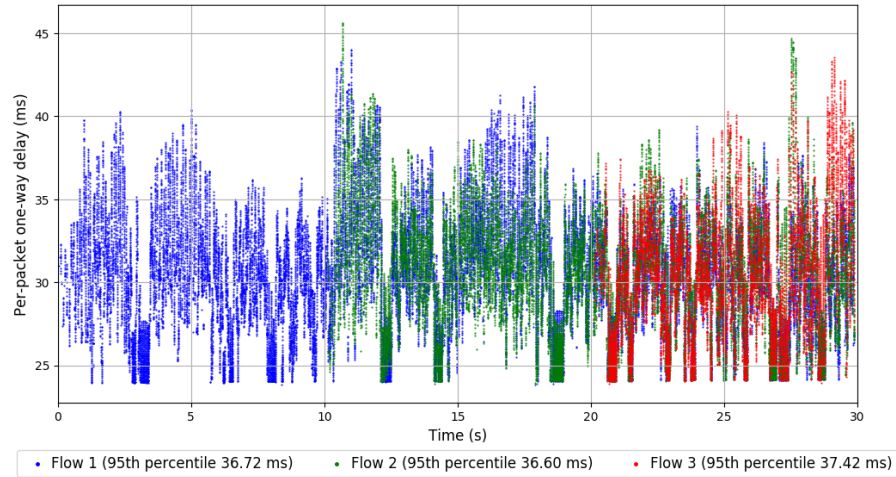
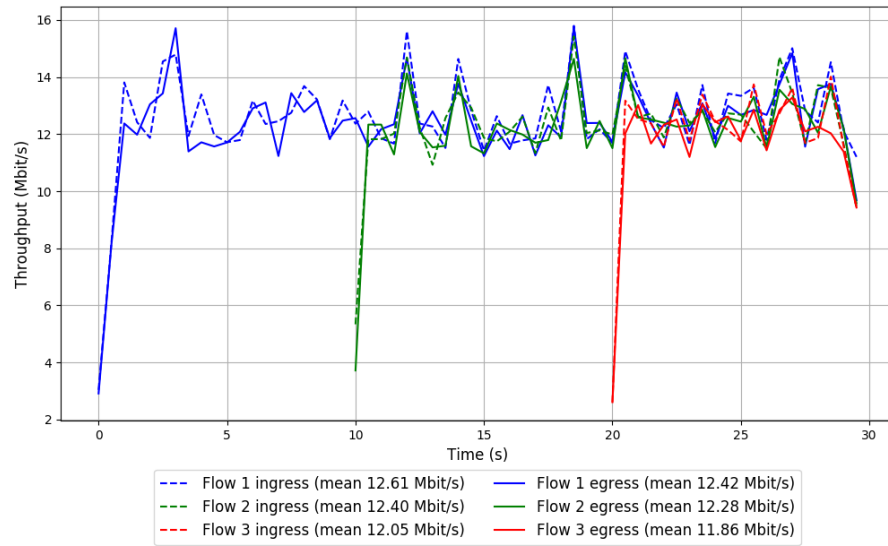


Run 9: Statistics of Sprout

Start at: 2018-03-13 17:33:56
End at: 2018-03-13 17:34:26
Local clock offset: 4.588 ms
Remote clock offset: -0.681 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 36.775 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 36.723 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 36.603 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 37.424 ms
Loss rate: 2.02%

Run 9: Report of Sprout — Data Link

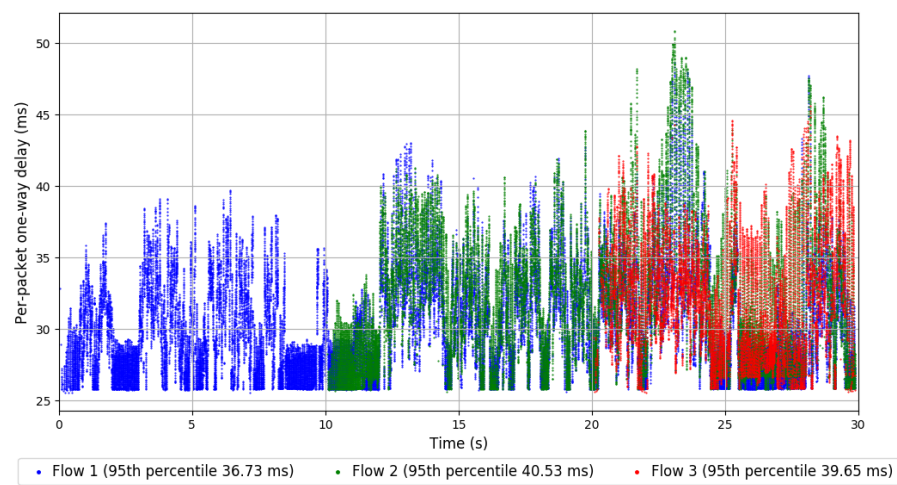
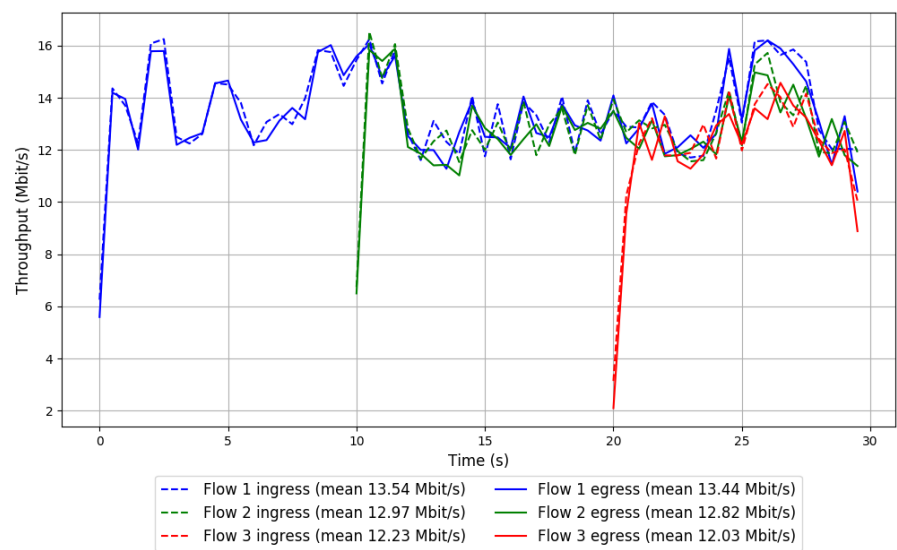


Run 10: Statistics of Sprout

Start at: 2018-03-13 18:00:50
End at: 2018-03-13 18:01:20
Local clock offset: -0.813 ms
Remote clock offset: -1.977 ms

Below is generated by plot.py at 2018-03-13 22:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.92 Mbit/s
95th percentile per-packet one-way delay: 38.852 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 36.733 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 40.533 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 39.652 ms
Loss rate: 1.83%

Run 10: Report of Sprout — Data Link

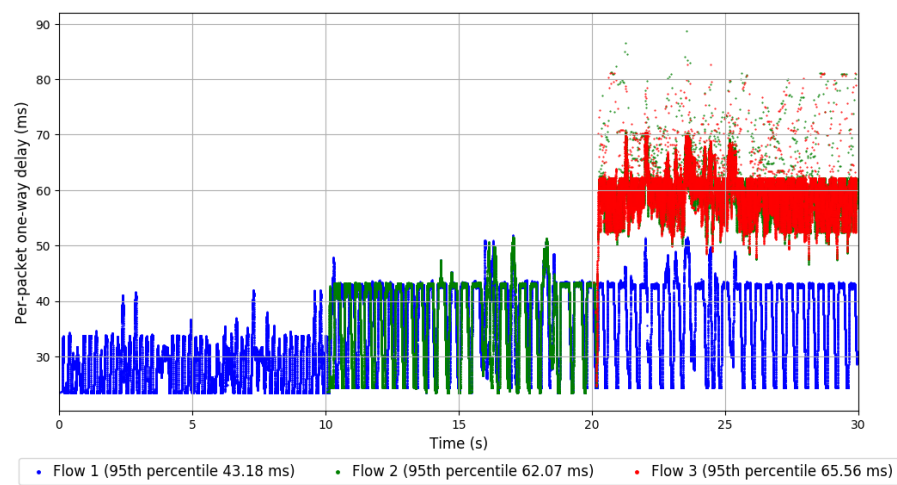
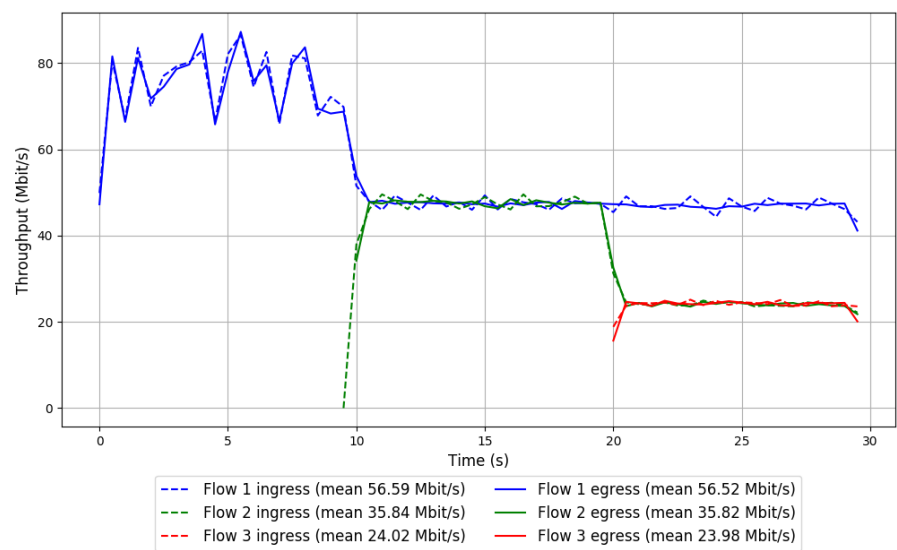


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 14:12:44
End at: 2018-03-13 14:13:14
Local clock offset: 1.567 ms
Remote clock offset: -1.05 ms

# Below is generated by plot.py at 2018-03-13 22:46:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 61.622 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 43.177 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 62.071 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 65.557 ms
Loss rate: 1.22%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 14:37:29

End at: 2018-03-13 14:37:59

Local clock offset: 2.367 ms

Remote clock offset: -0.84 ms

Below is generated by plot.py at 2018-03-13 22:46:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 61.986 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 46.90 Mbit/s

95th percentile per-packet one-way delay: 61.951 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 62.207 ms

Loss rate: 0.50%

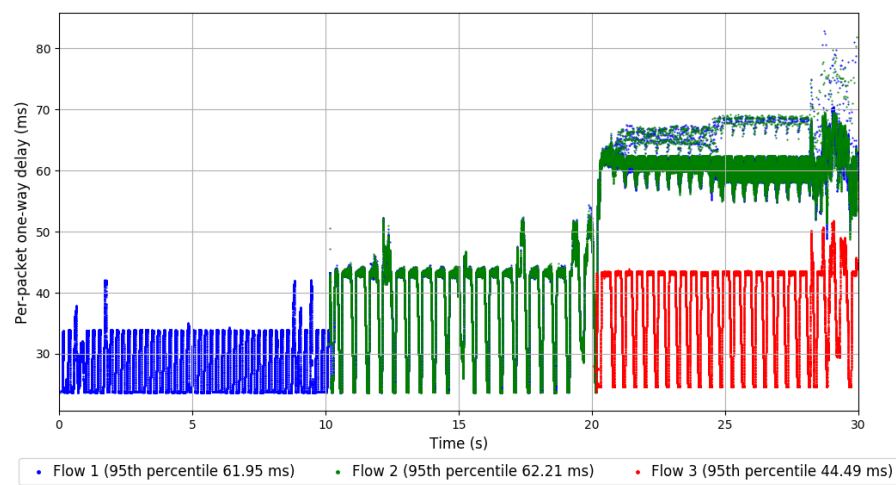
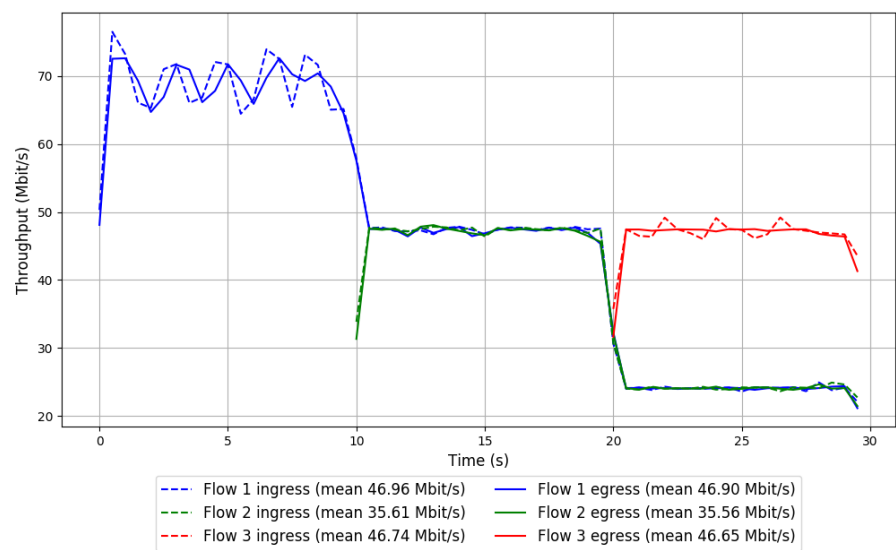
-- Flow 3:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 44.494 ms

Loss rate: 0.76%

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

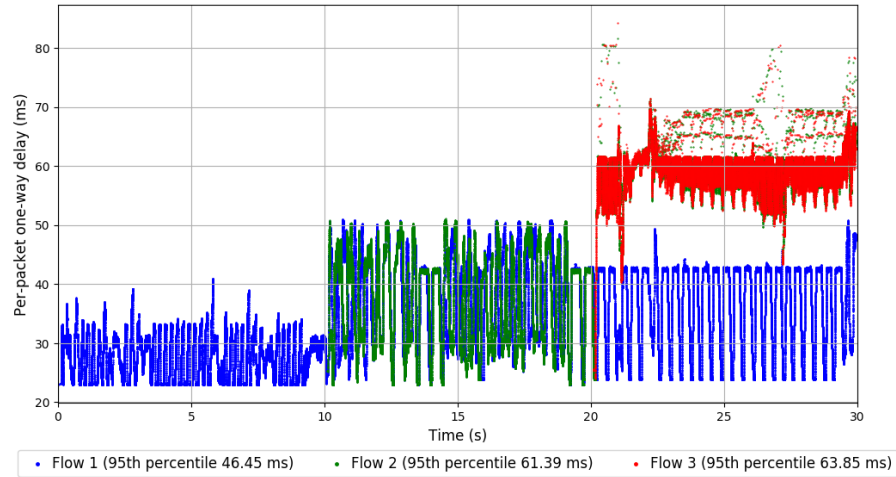
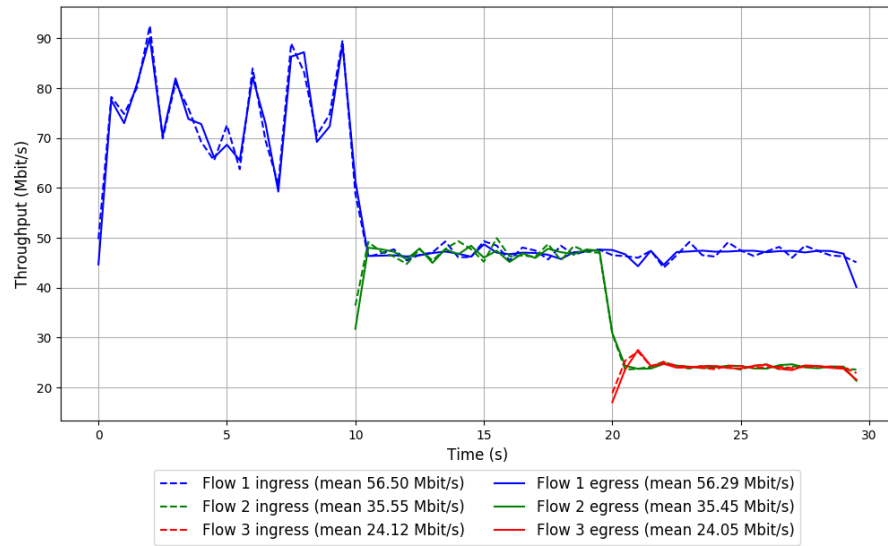


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 15:02:13
End at: 2018-03-13 15:02:43
Local clock offset: 2.638 ms
Remote clock offset: -2.511 ms

Below is generated by plot.py at 2018-03-13 22:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 61.144 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 46.448 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 1.16%

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

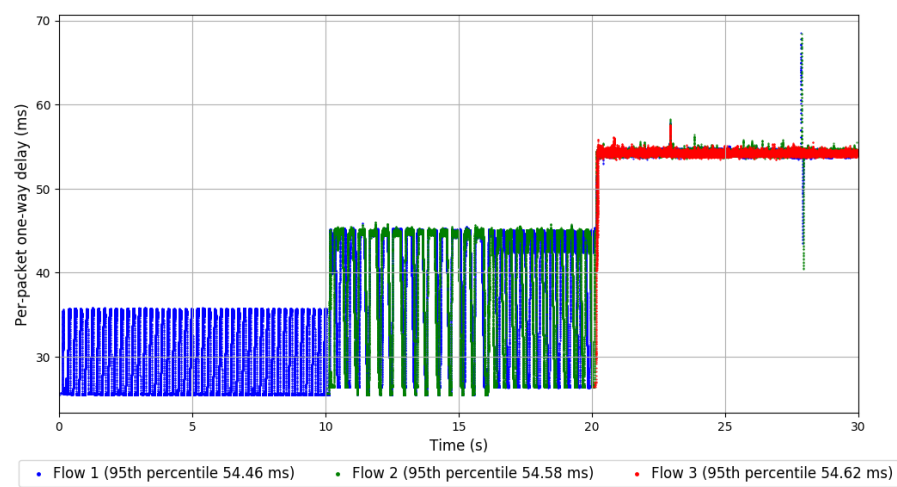
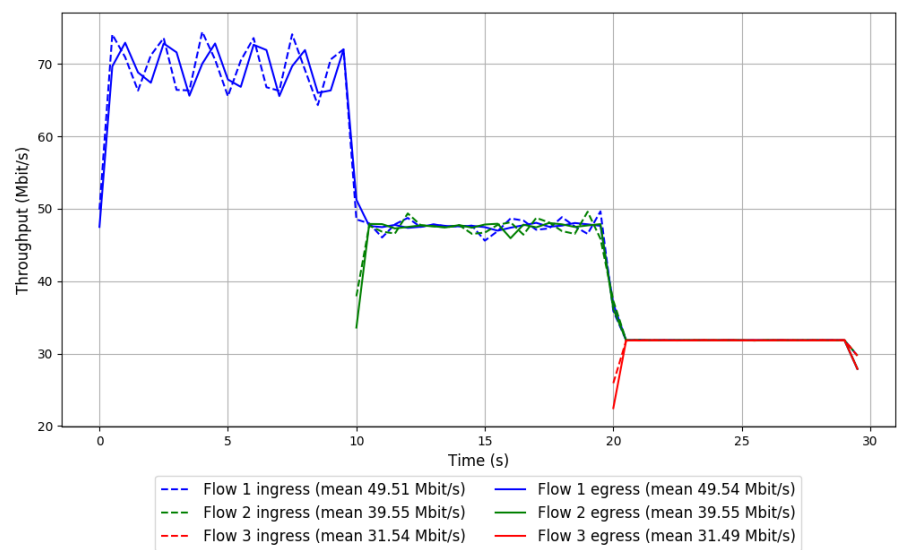


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 15:27:07
End at: 2018-03-13 15:27:37
Local clock offset: 1.258 ms
Remote clock offset: -8.528 ms

Below is generated by plot.py at 2018-03-13 22:46:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.28 Mbit/s
95th percentile per-packet one-way delay: 54.542 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 49.54 Mbit/s
95th percentile per-packet one-way delay: 54.461 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 54.583 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.84%

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

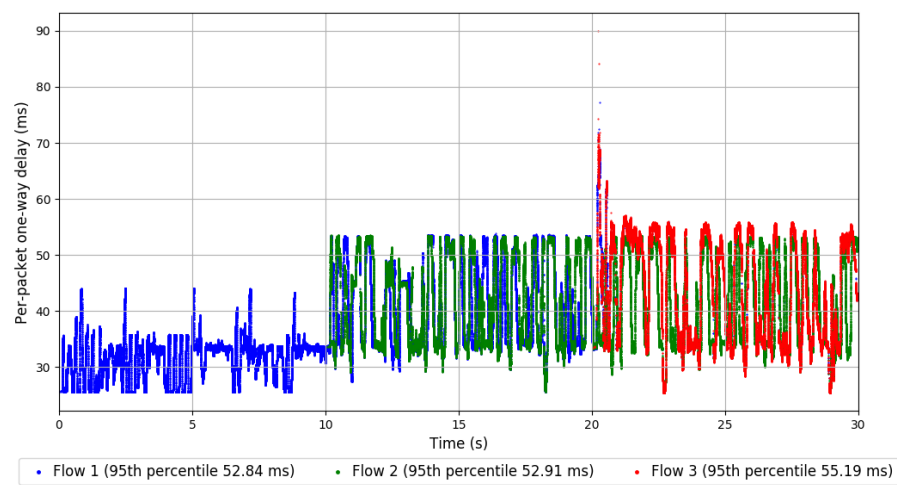
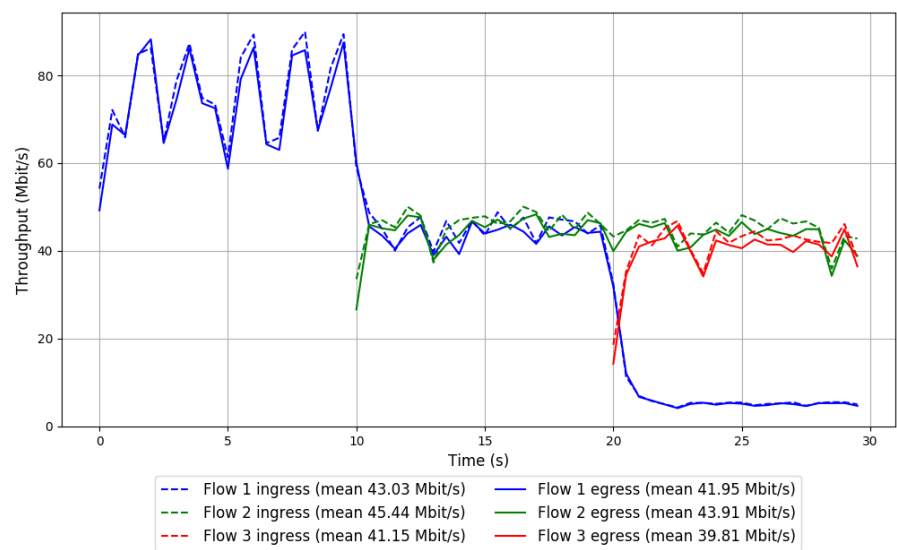


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 15:53:09
End at: 2018-03-13 15:53:39
Local clock offset: 0.834 ms
Remote clock offset: -12.356 ms

Below is generated by plot.py at 2018-03-13 22:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 53.170 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 52.837 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 43.91 Mbit/s
95th percentile per-packet one-way delay: 52.911 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 55.188 ms
Loss rate: 3.84%

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

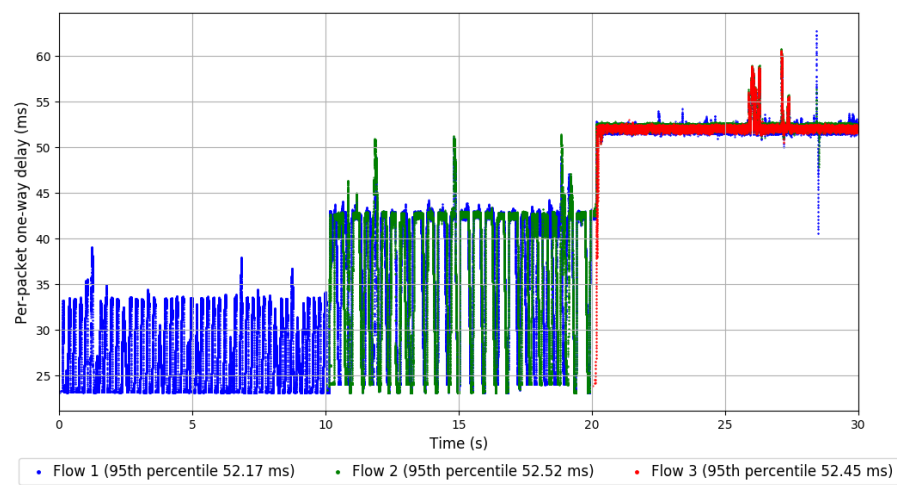
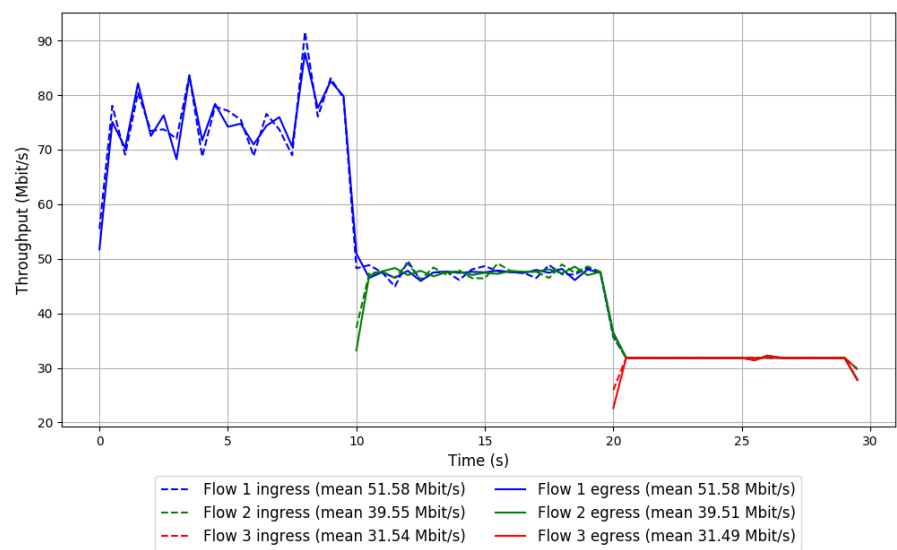


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 16:19:30
End at: 2018-03-13 16:20:00
Local clock offset: 1.24 ms
Remote clock offset: -12.504 ms

Below is generated by plot.py at 2018-03-13 22:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 52.379 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 51.58 Mbit/s
95th percentile per-packet one-way delay: 52.167 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 52.515 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 52.447 ms
Loss rate: 0.85%

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

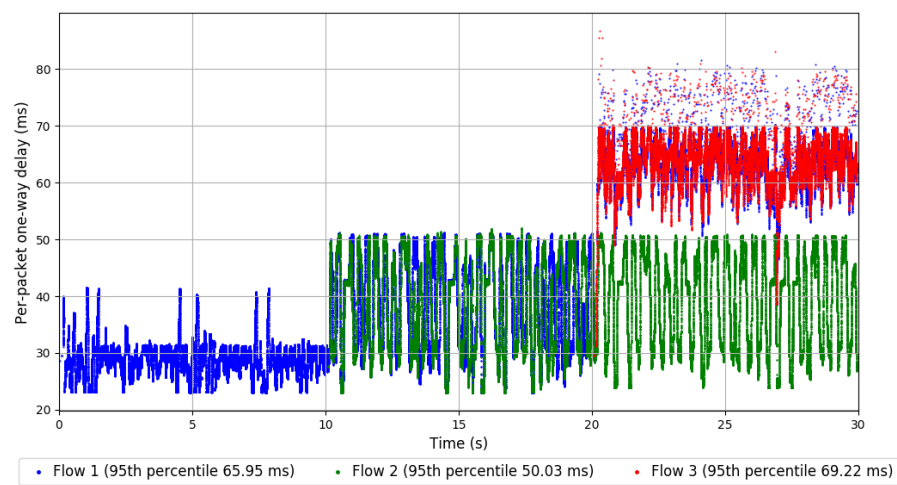
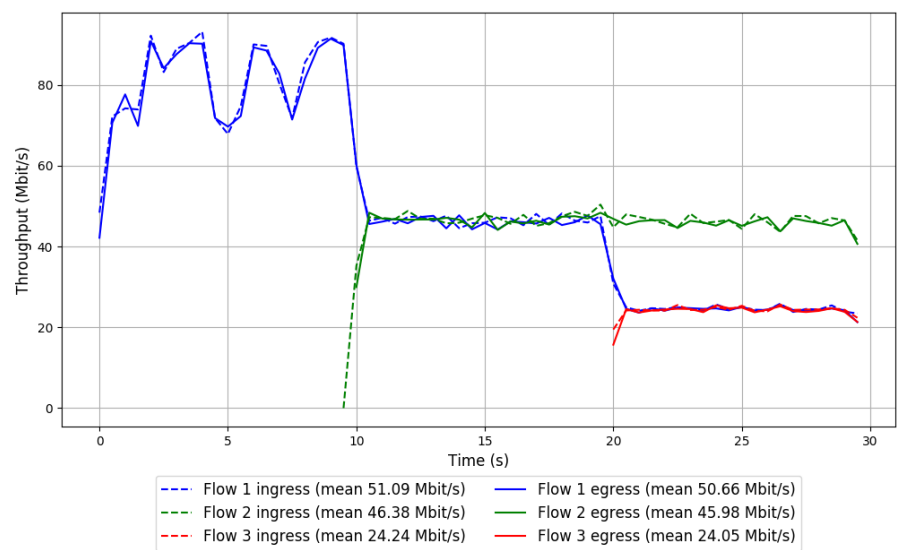


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 16:45:56
End at: 2018-03-13 16:46:26
Local clock offset: 4.636 ms
Remote clock offset: -14.552 ms

Below is generated by plot.py at 2018-03-13 22:47:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 66.492 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 65.951 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 50.030 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 69.215 ms
Loss rate: 1.65%

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

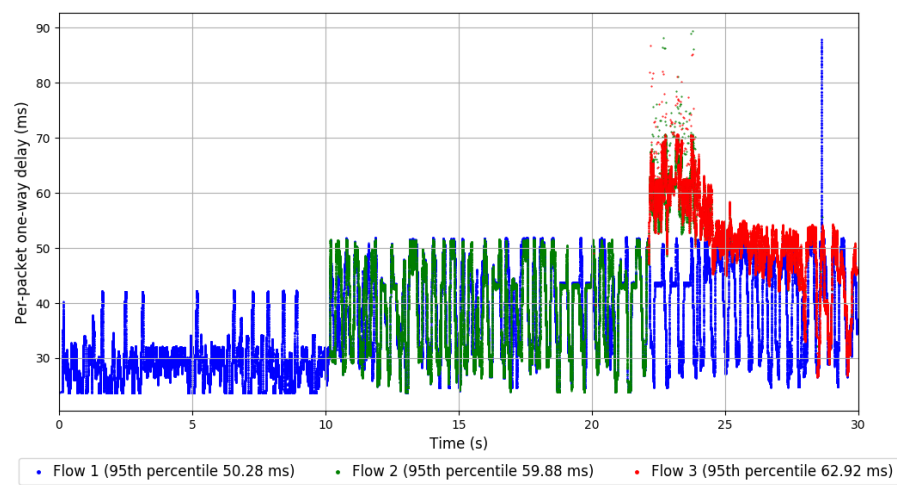
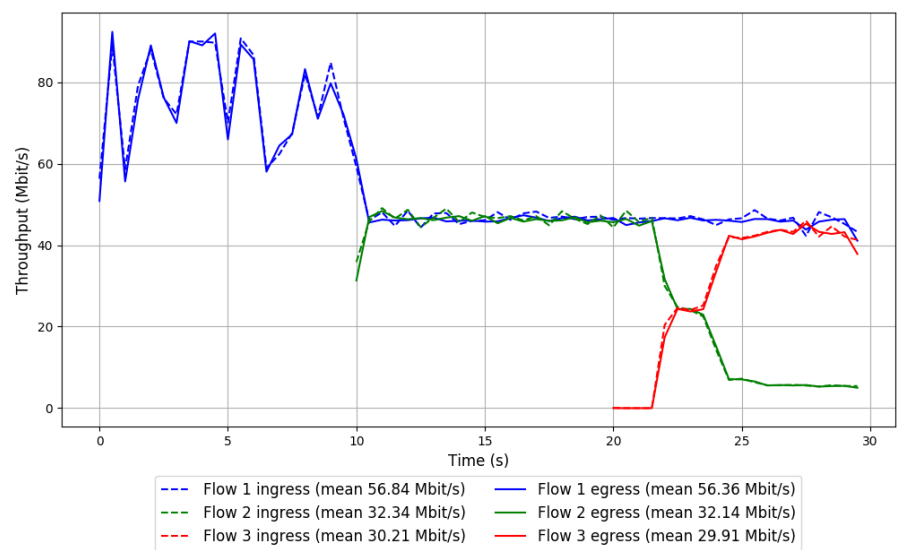


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 17:13:58
End at: 2018-03-13 17:14:28
Local clock offset: 5.872 ms
Remote clock offset: -4.412 ms

Below is generated by plot.py at 2018-03-13 22:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 53.239 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 50.276 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 59.878 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 1.80%

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

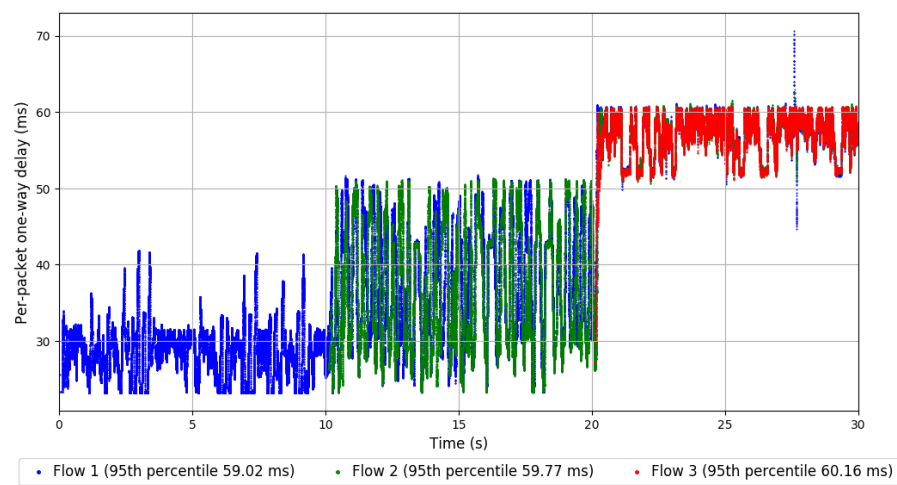
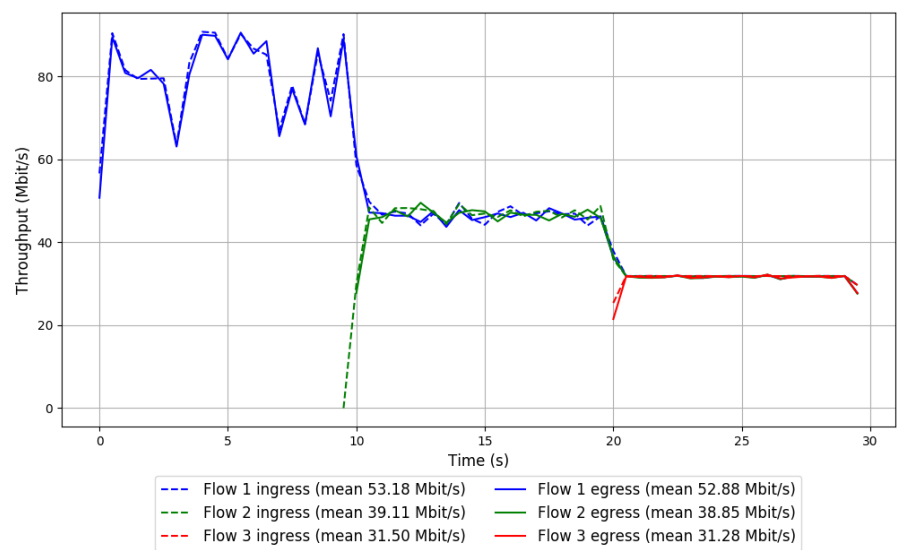


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 17:41:28
End at: 2018-03-13 17:41:58
Local clock offset: 1.885 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.09 Mbit/s
95th percentile per-packet one-way delay: 59.658 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 59.018 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 59.773 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 60.165 ms
Loss rate: 1.47%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 18:08:30

End at: 2018-03-13 18:09:00

Local clock offset: -0.028 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-03-13 22:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 52.821 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 50.66 Mbit/s

95th percentile per-packet one-way delay: 52.677 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 39.40 Mbit/s

95th percentile per-packet one-way delay: 53.541 ms

Loss rate: 0.51%

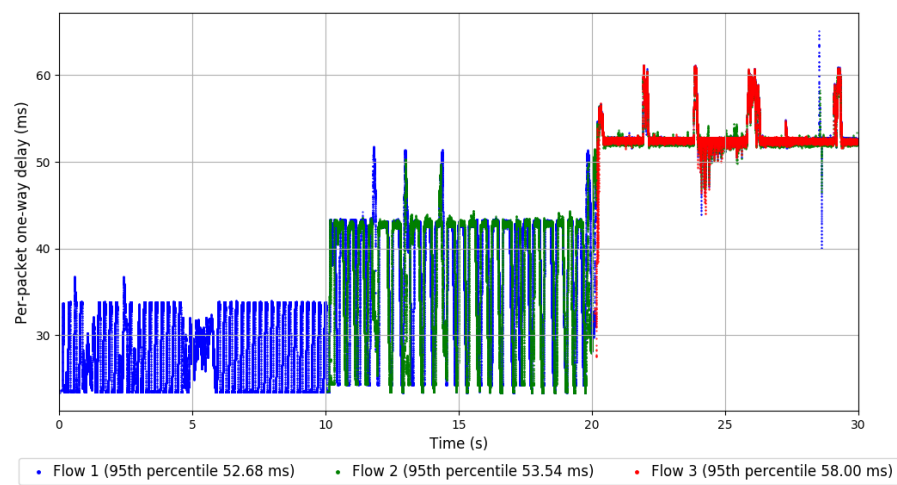
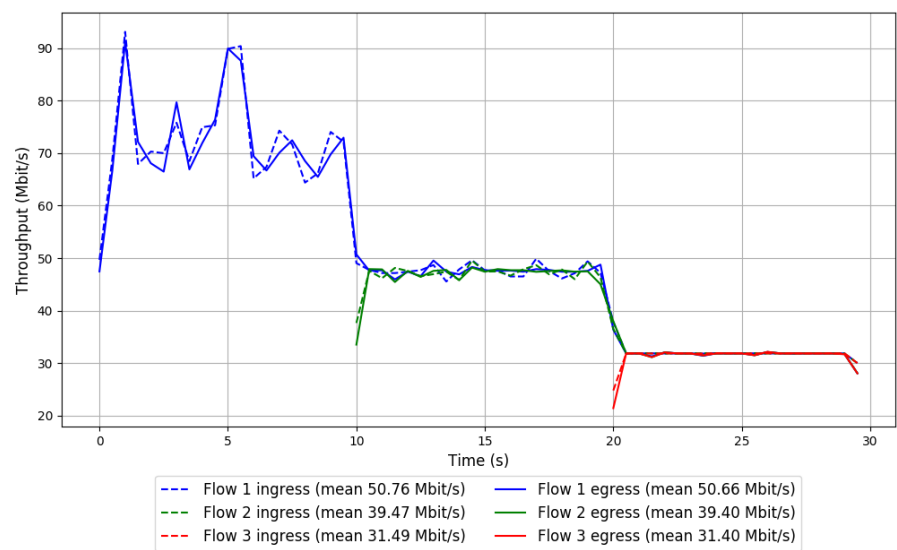
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 57.997 ms

Loss rate: 1.02%

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

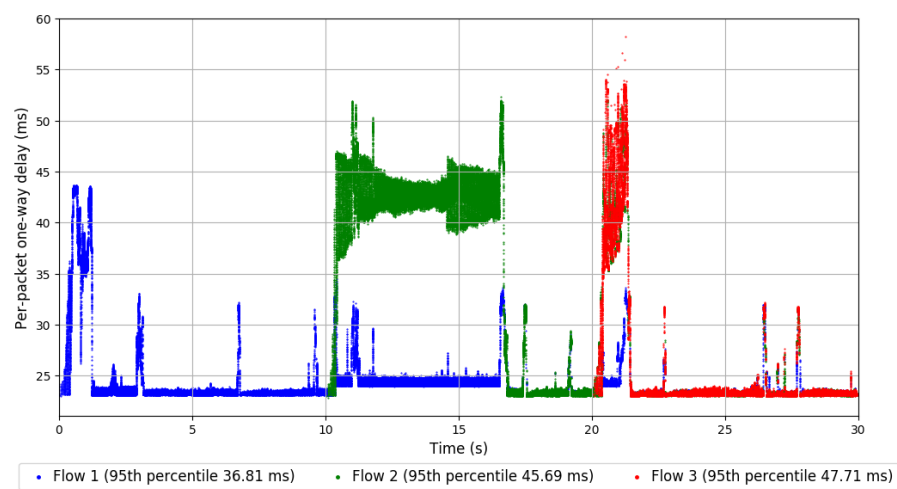
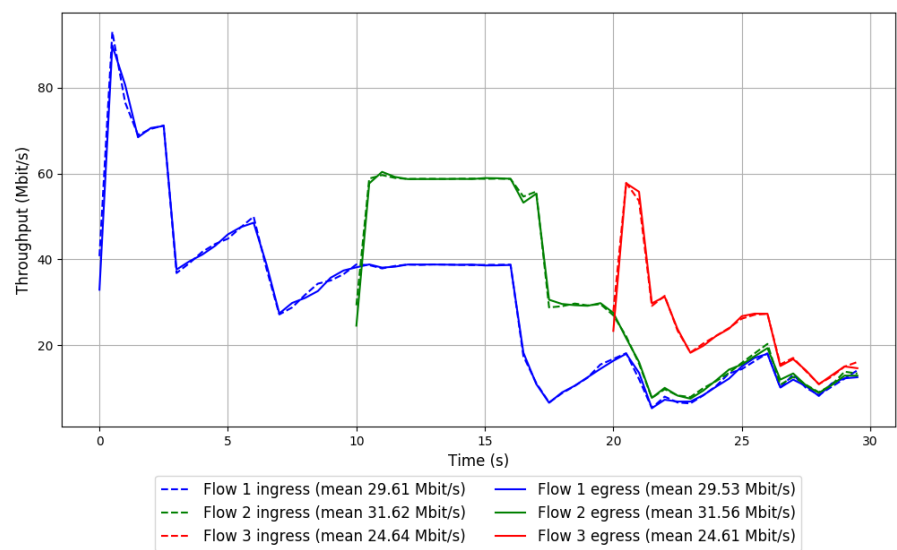


Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 14:14:09
End at: 2018-03-13 14:14:39
Local clock offset: 1.65 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 44.391 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 36.815 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 45.686 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 47.711 ms
Loss rate: 0.67%

Run 1: Report of TCP Vegas — Data Link

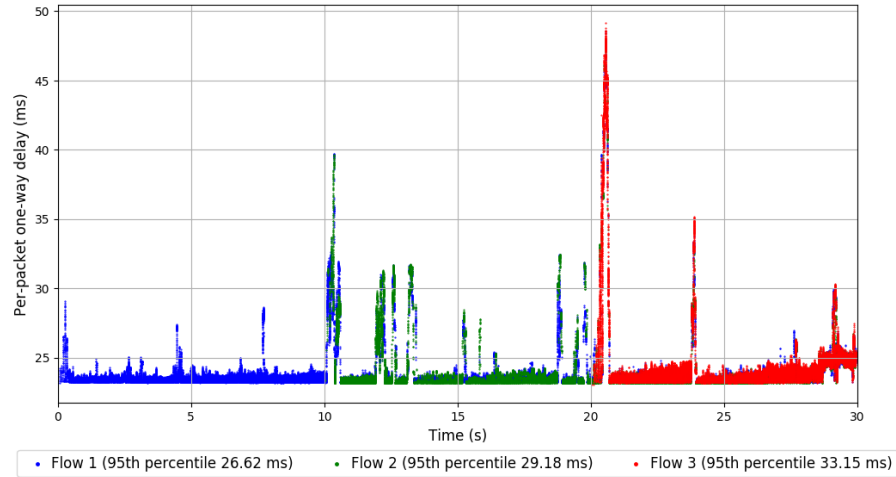
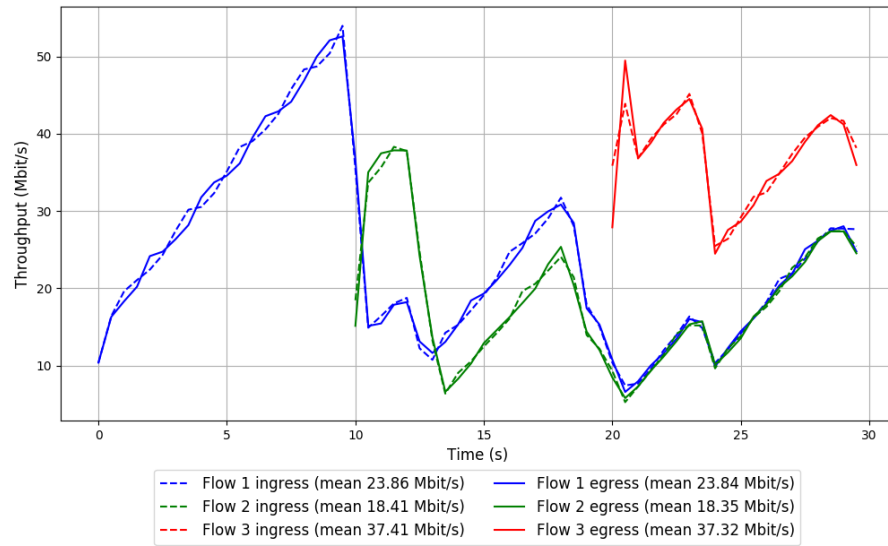


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 14:38:59
End at: 2018-03-13 14:39:29
Local clock offset: 2.363 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 28.352 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 26.616 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 29.176 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 33.153 ms
Loss rate: 0.77%

Run 2: Report of TCP Vegas — Data Link

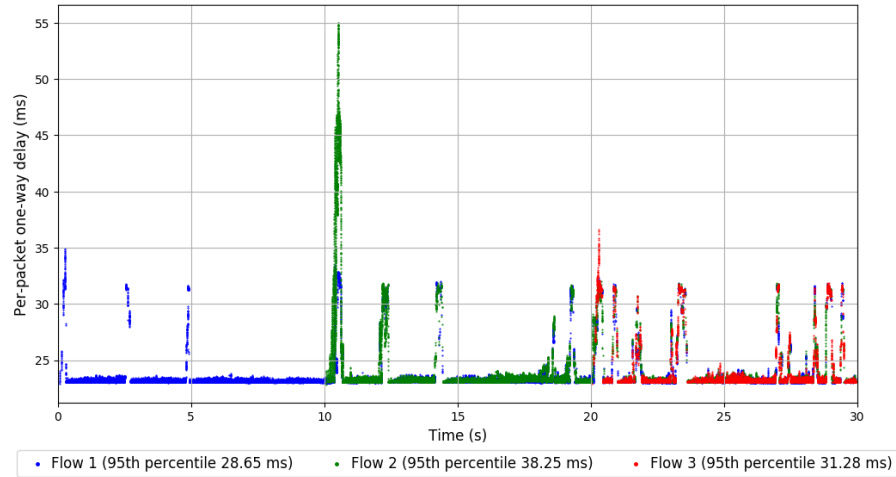
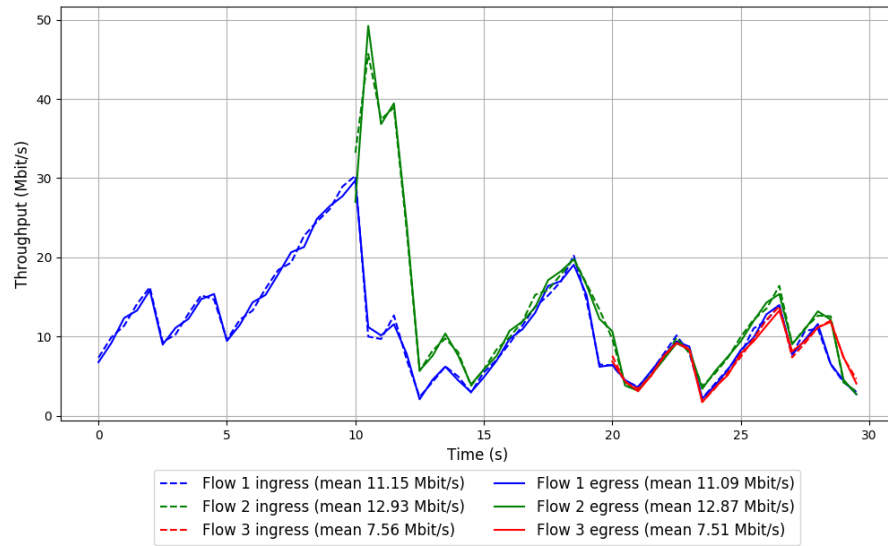


Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 15:03:42
End at: 2018-03-13 15:04:12
Local clock offset: 2.649 ms
Remote clock offset: -2.641 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 31.263 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 28.652 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 38.252 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 31.282 ms
Loss rate: 1.29%

Run 3: Report of TCP Vegas — Data Link

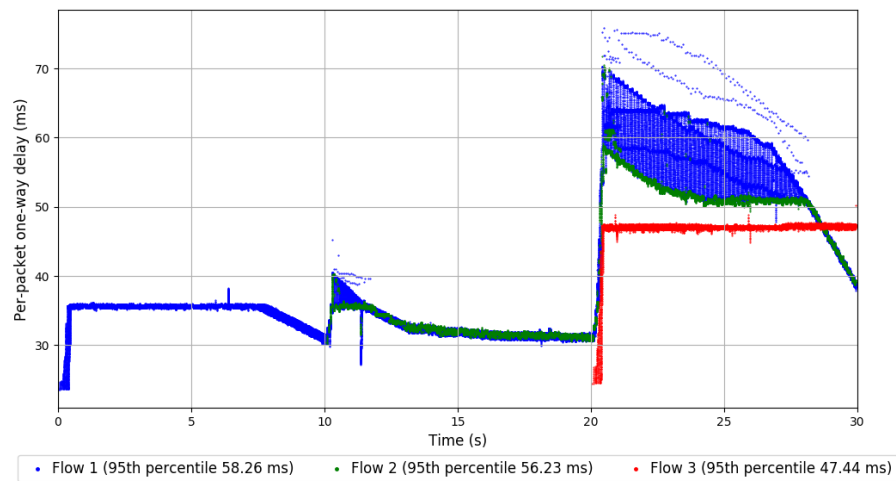
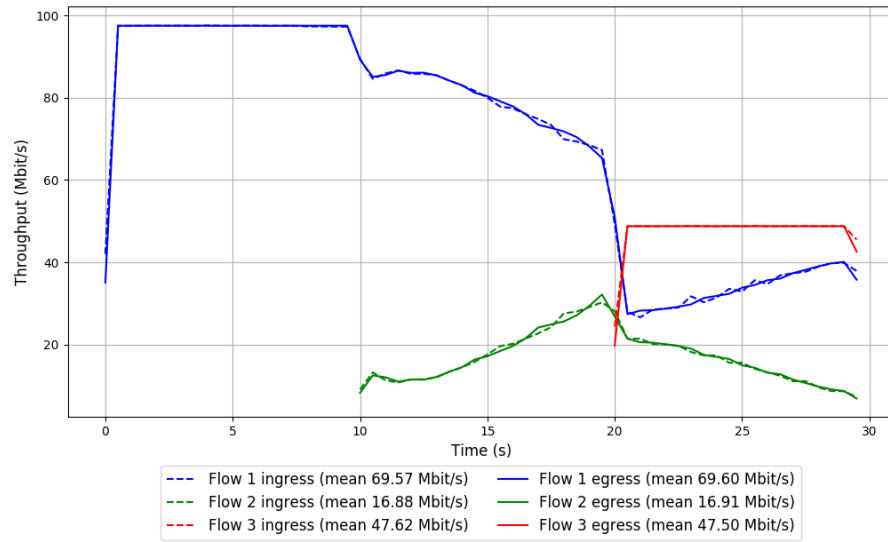


Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 15:28:40
End at: 2018-03-13 15:29:10
Local clock offset: 1.181 ms
Remote clock offset: -6.826 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 56.494 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 58.262 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 56.232 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 47.439 ms
Loss rate: 0.80%

Run 4: Report of TCP Vegas — Data Link

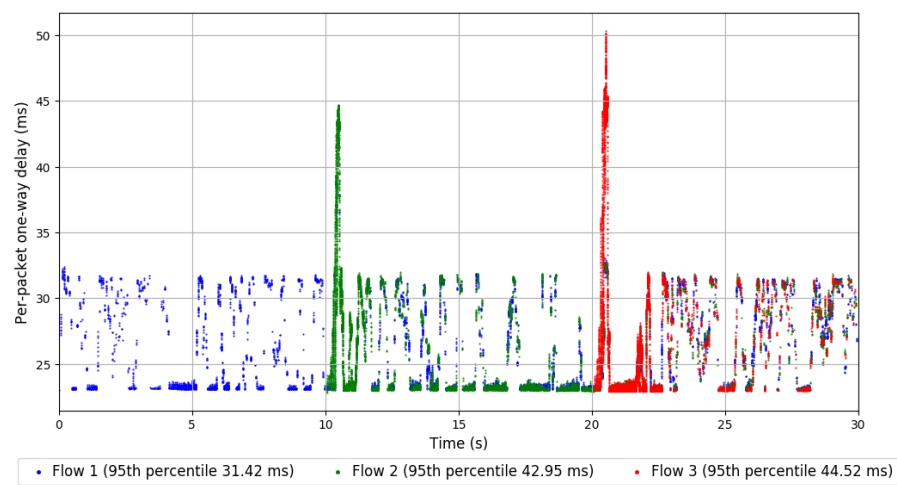
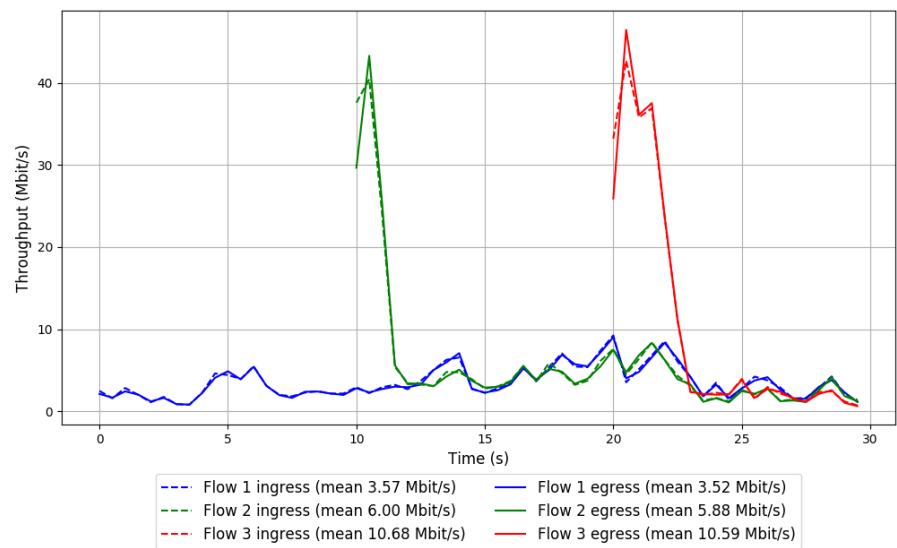


Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 15:55:12
End at: 2018-03-13 15:55:42
Local clock offset: 0.878 ms
Remote clock offset: -10.182 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 42.067 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 31.420 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 42.945 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 44.522 ms
Loss rate: 1.44%

Run 5: Report of TCP Vegas — Data Link

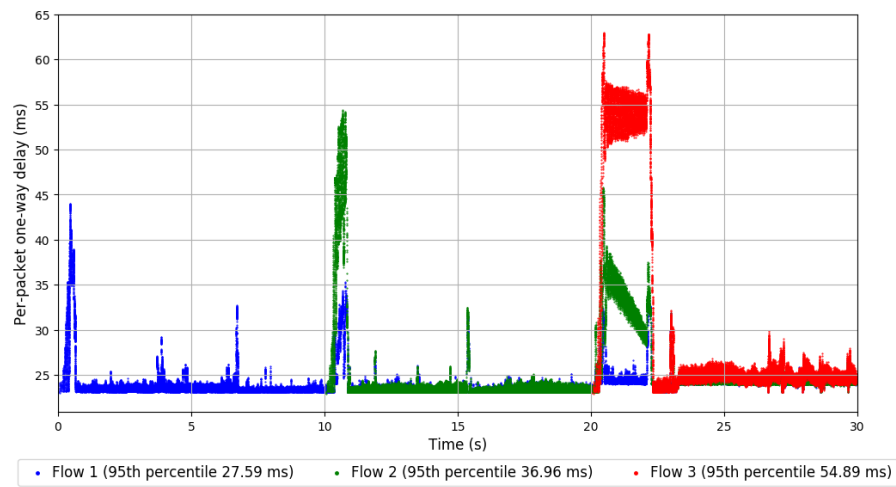
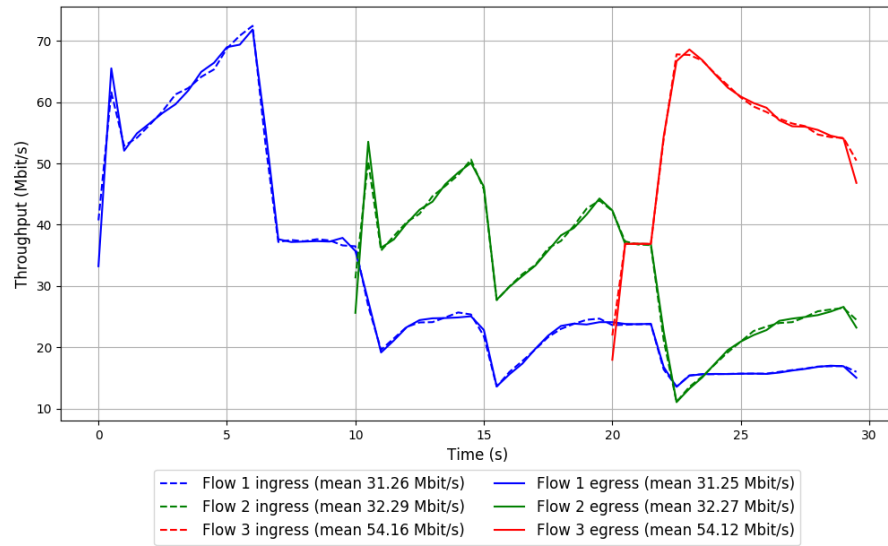


Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 16:20:55
End at: 2018-03-13 16:21:25
Local clock offset: 1.173 ms
Remote clock offset: -12.663 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 38.377 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 27.592 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 36.957 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 54.889 ms
Loss rate: 0.59%

Run 6: Report of TCP Vegas — Data Link

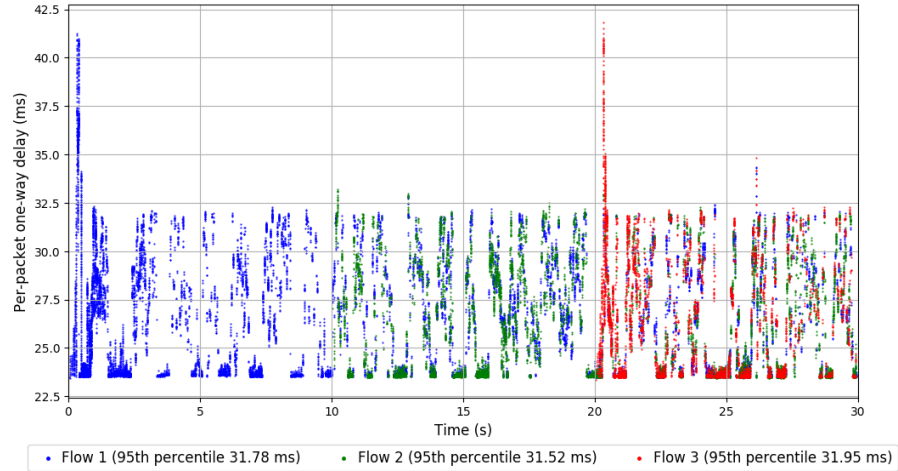
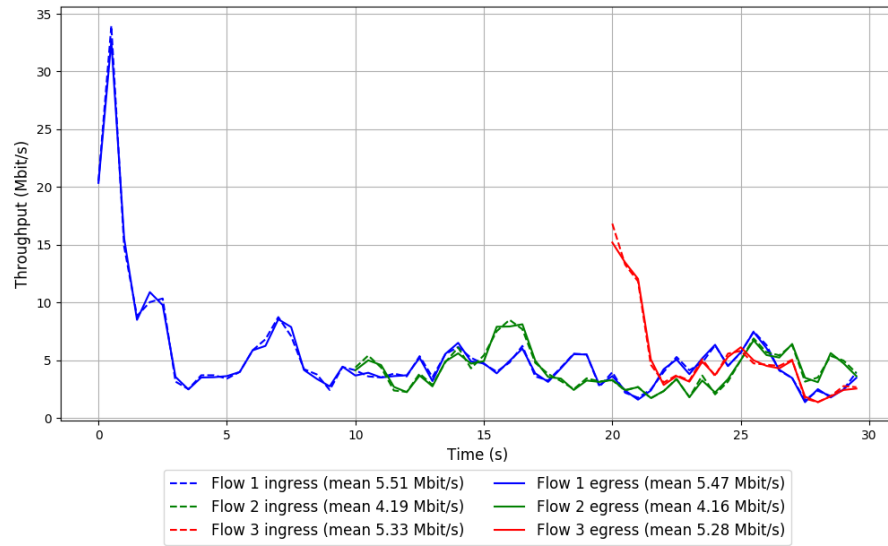


Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 16:48:00
End at: 2018-03-13 16:48:30
Local clock offset: 4.686 ms
Remote clock offset: -15.256 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 31.722 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 31.776 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 31.520 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 31.951 ms
Loss rate: 1.59%

Run 7: Report of TCP Vegas — Data Link

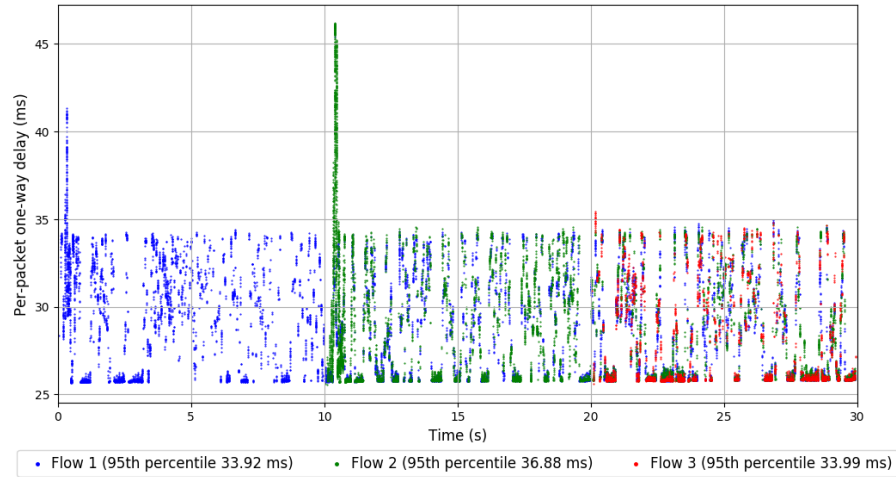
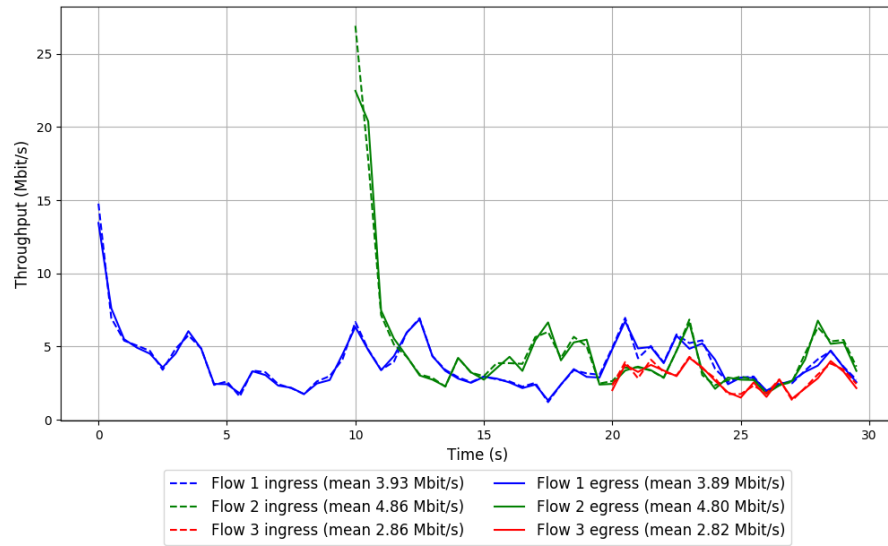


Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 17:16:01
End at: 2018-03-13 17:16:31
Local clock offset: 5.992 ms
Remote clock offset: -5.693 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 34.112 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 33.916 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 36.876 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 33.993 ms
Loss rate: 2.11%

Run 8: Report of TCP Vegas — Data Link

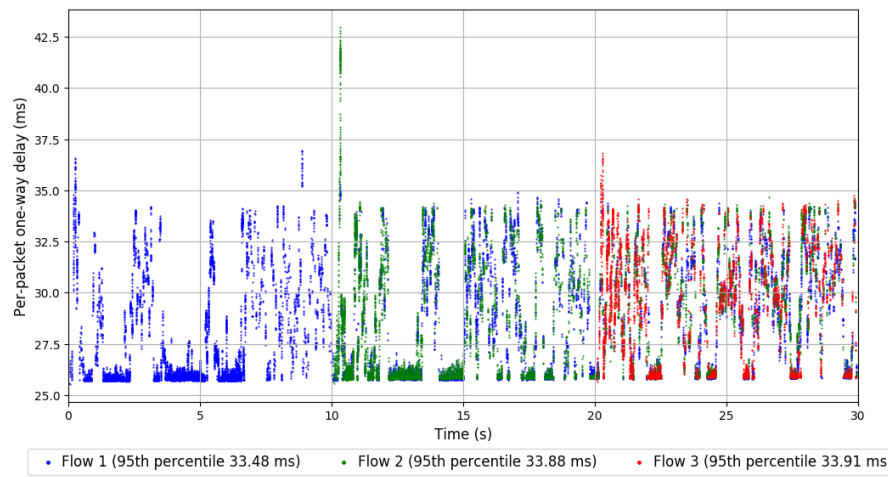
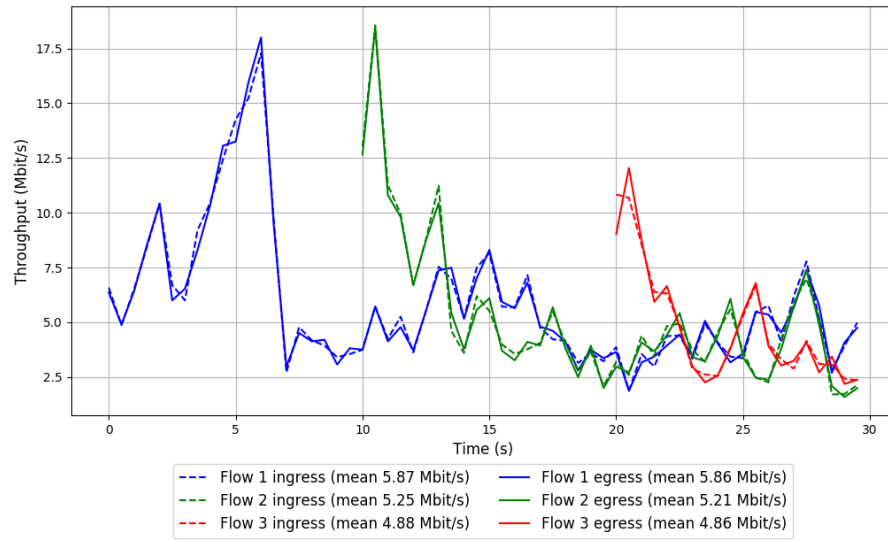


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 17:43:18
End at: 2018-03-13 17:43:48
Local clock offset: 1.342 ms
Remote clock offset: -2.785 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 33.703 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 33.482 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 33.883 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 33.915 ms
Loss rate: 0.87%

Run 9: Report of TCP Vegas — Data Link

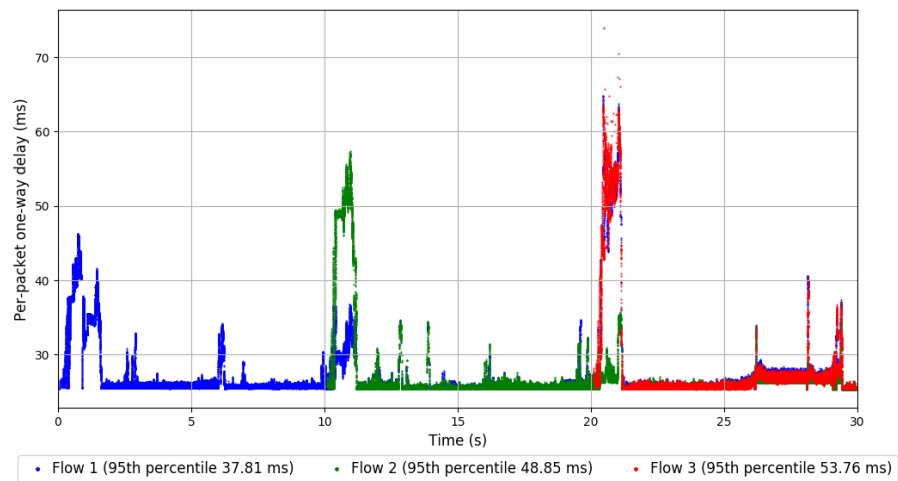
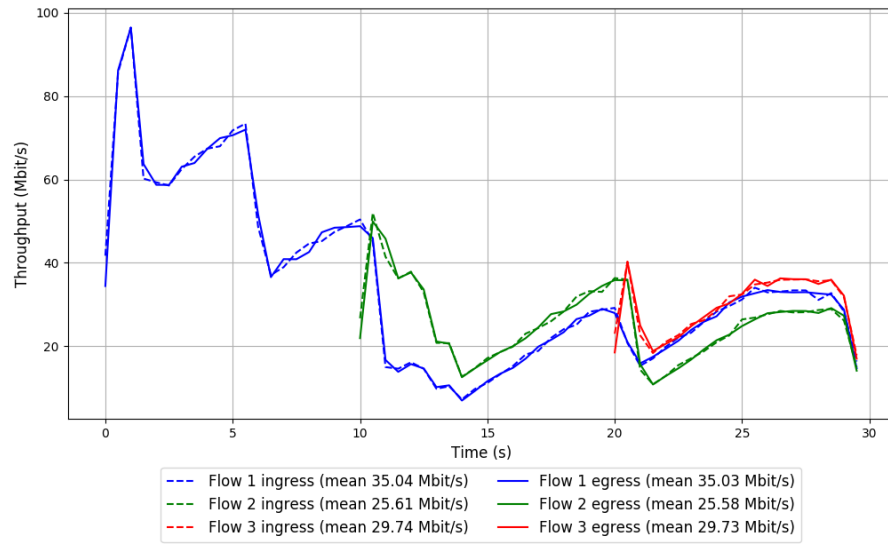


Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 18:10:02
End at: 2018-03-13 18:10:32
Local clock offset: 0.258 ms
Remote clock offset: -1.928 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 41.882 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 37.814 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 48.847 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 53.758 ms
Loss rate: 0.58%

Run 10: Report of TCP Vegas — Data Link

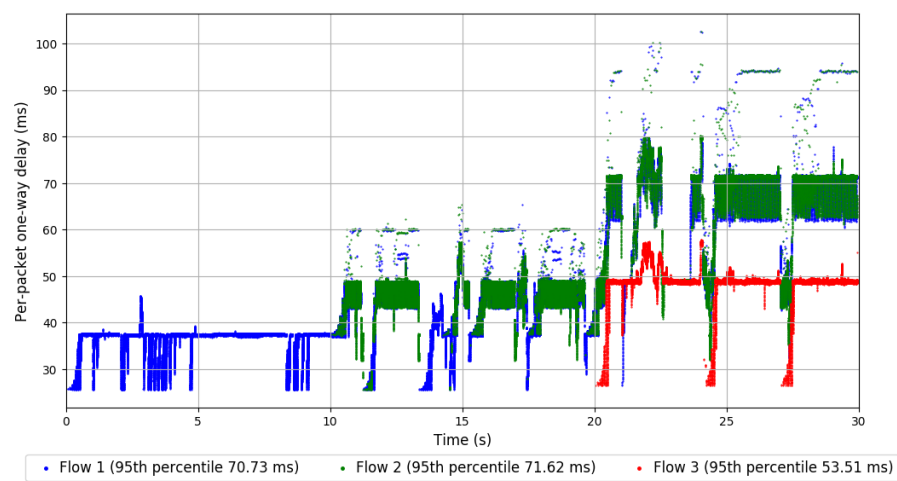
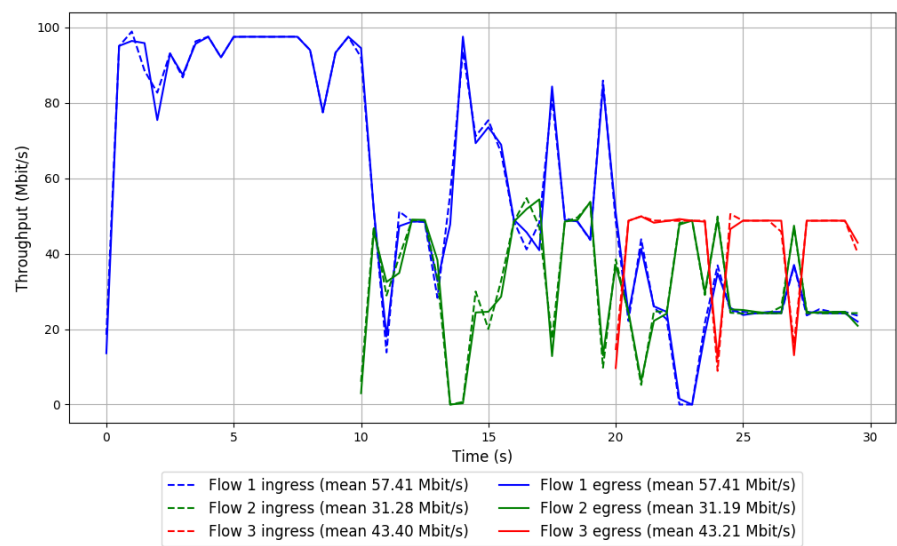


Run 1: Statistics of Verus

Start at: 2018-03-13 14:08:40
End at: 2018-03-13 14:09:10
Local clock offset: 1.234 ms
Remote clock offset: -3.019 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 71.346 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 70.732 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 71.620 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 53.514 ms
Loss rate: 0.37%

Run 1: Report of Verus — Data Link

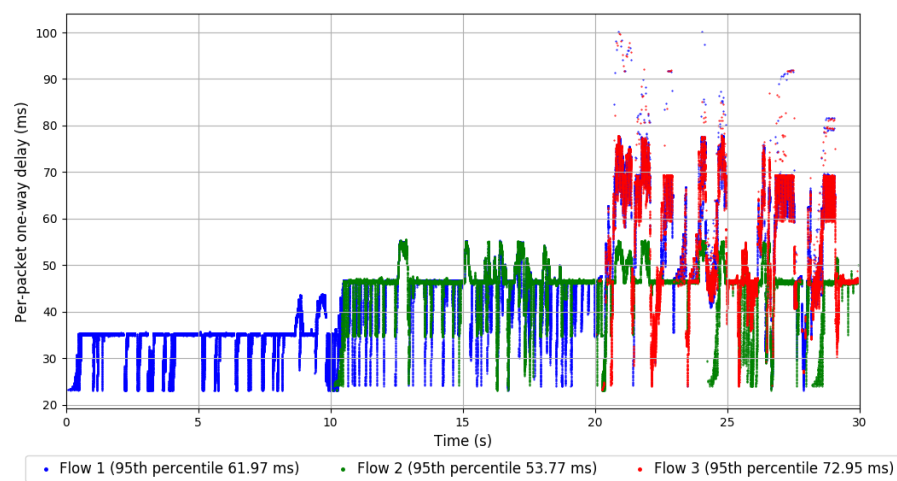
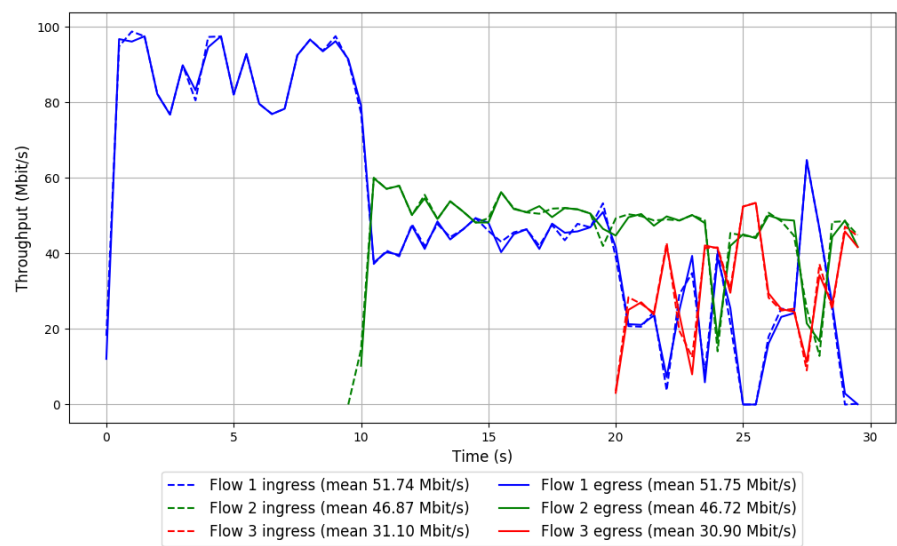


Run 2: Statistics of Verus

Start at: 2018-03-13 14:33:24
End at: 2018-03-13 14:33:54
Local clock offset: 2.295 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 63.815 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 61.971 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 53.765 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 1.39%

Run 2: Report of Verus — Data Link

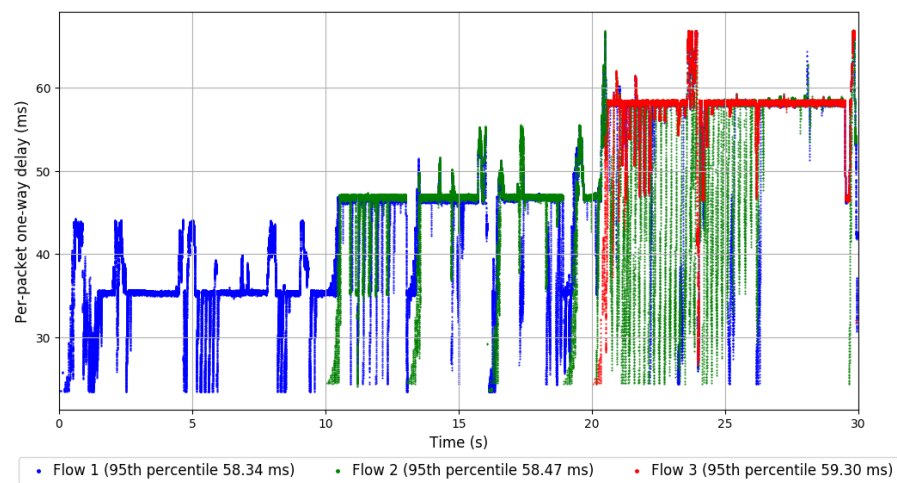
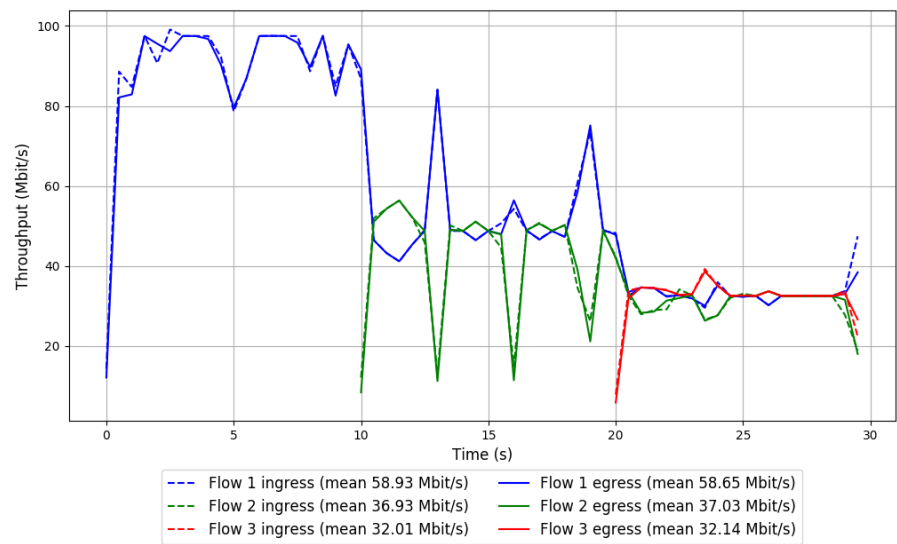


Run 3: Statistics of Verus

Start at: 2018-03-13 14:58:06
End at: 2018-03-13 14:58:36
Local clock offset: 2.65 ms
Remote clock offset: -2.693 ms

Below is generated by plot.py at 2018-03-13 22:49:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 58.439 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 58.65 Mbit/s
95th percentile per-packet one-way delay: 58.341 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 58.468 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 59.303 ms
Loss rate: 0.15%

Run 3: Report of Verus — Data Link

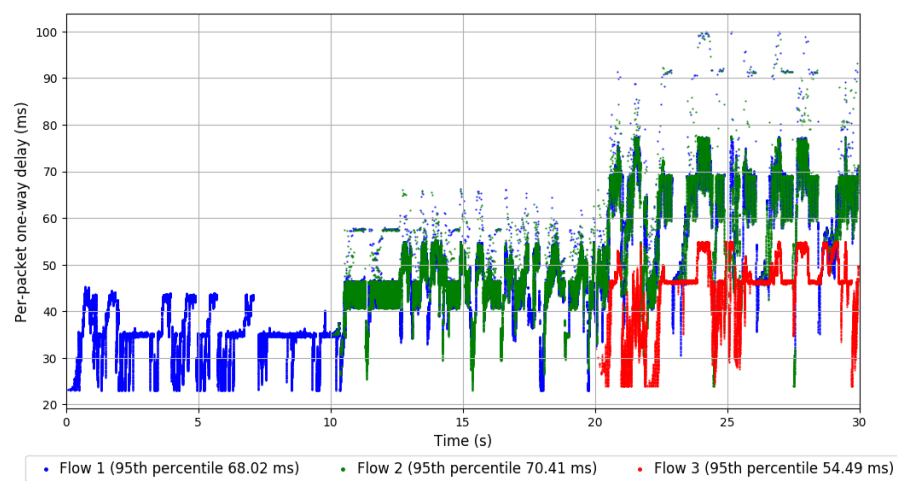
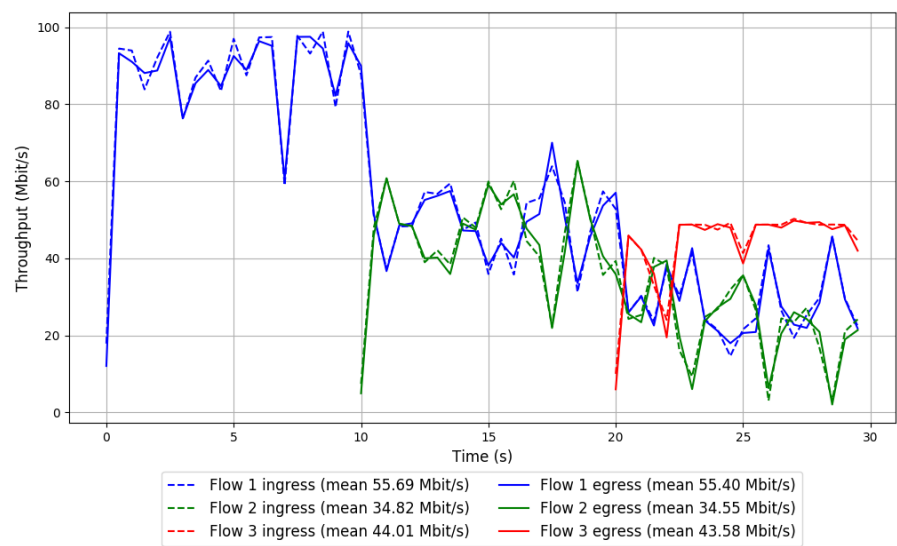


Run 4: Statistics of Verus

Start at: 2018-03-13 15:22:57
End at: 2018-03-13 15:23:27
Local clock offset: 1.579 ms
Remote clock offset: -5.137 ms

Below is generated by plot.py at 2018-03-13 22:49:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 68.638 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 68.023 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 34.55 Mbit/s
95th percentile per-packet one-way delay: 70.414 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 54.487 ms
Loss rate: 1.57%

Run 4: Report of Verus — Data Link

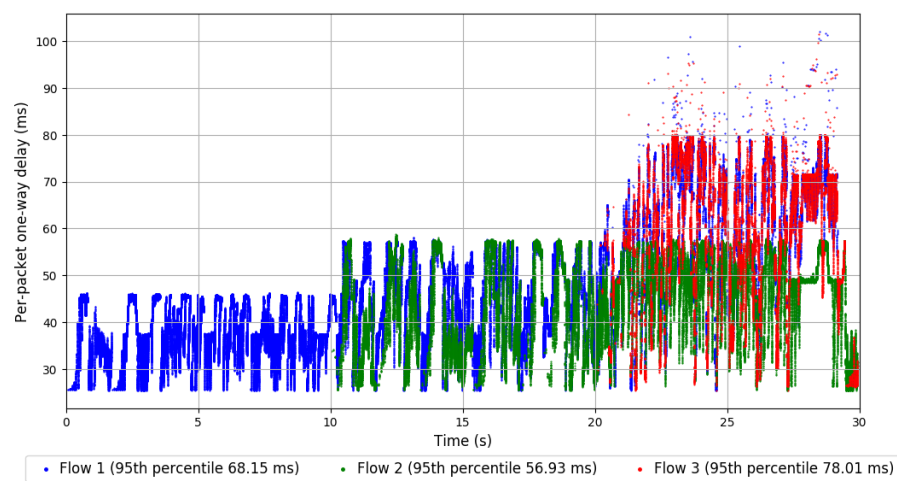
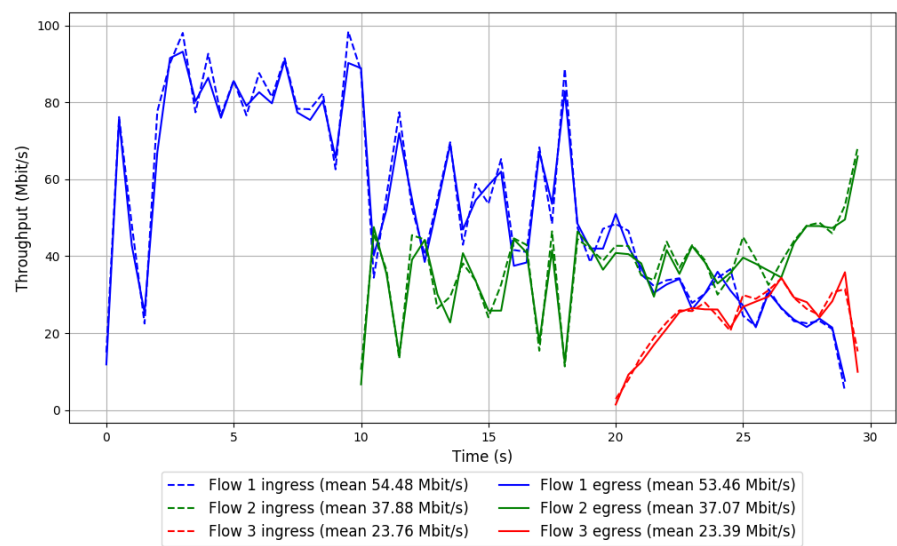


Run 5: Statistics of Verus

Start at: 2018-03-13 15:48:34
End at: 2018-03-13 15:49:04
Local clock offset: 0.434 ms
Remote clock offset: -11.825 ms

Below is generated by plot.py at 2018-03-13 22:49:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 69.777 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 68.152 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 56.927 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 78.009 ms
Loss rate: 2.42%

Run 5: Report of Verus — Data Link

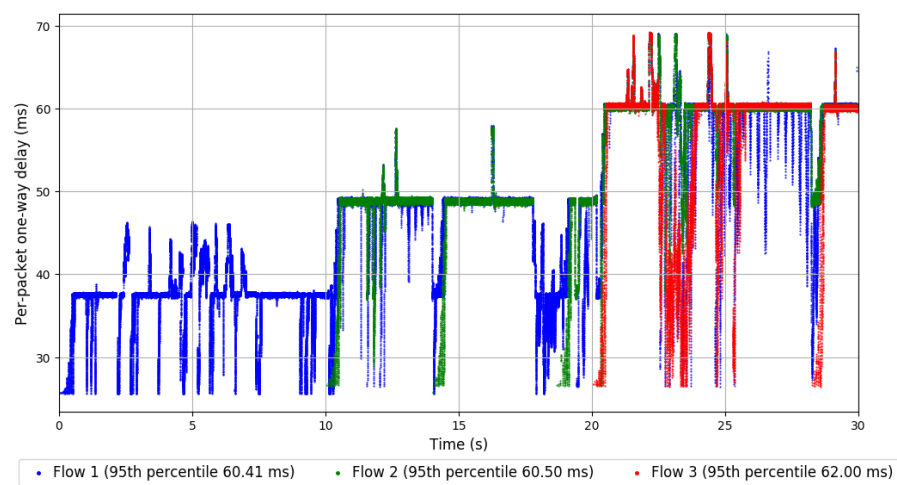
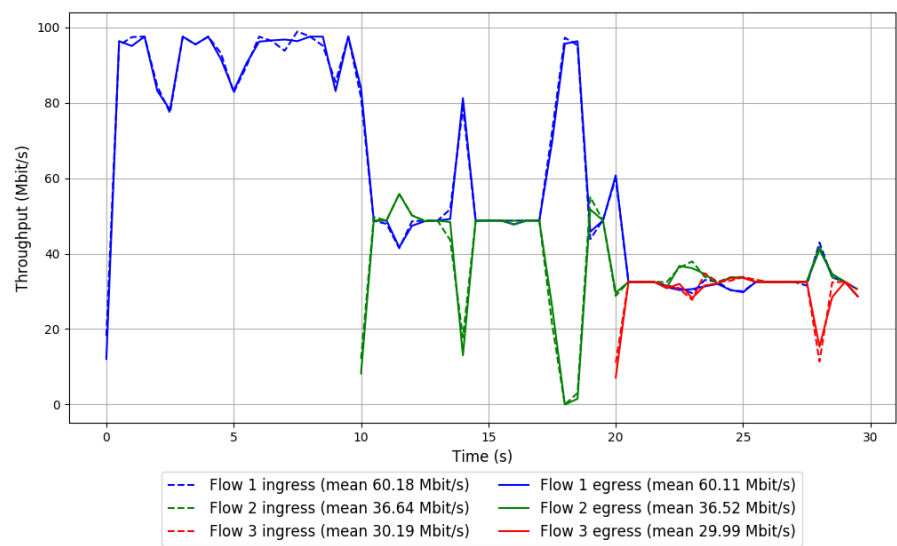


Run 6: Statistics of Verus

Start at: 2018-03-13 16:15:26
End at: 2018-03-13 16:15:56
Local clock offset: 1.168 ms
Remote clock offset: -14.718 ms

Below is generated by plot.py at 2018-03-13 22:50:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 60.540 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 60.11 Mbit/s
95th percentile per-packet one-way delay: 60.411 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 60.497 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 62.001 ms
Loss rate: 1.39%

Run 6: Report of Verus — Data Link

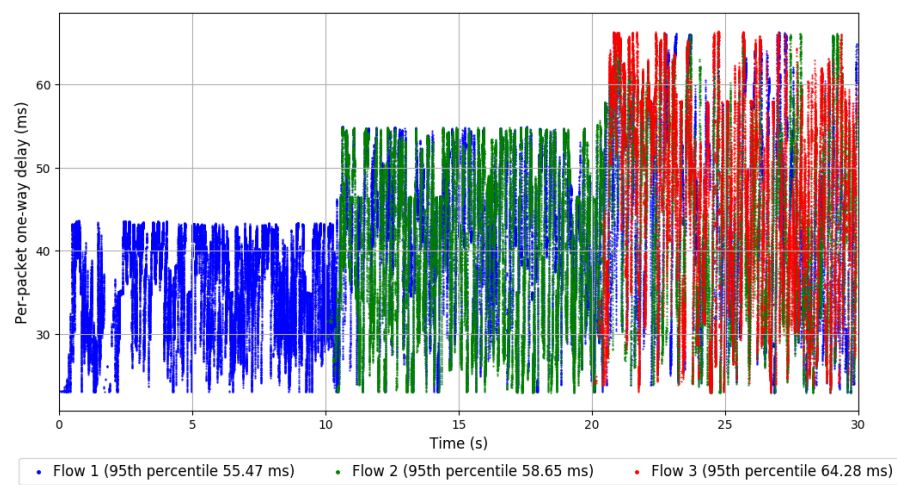
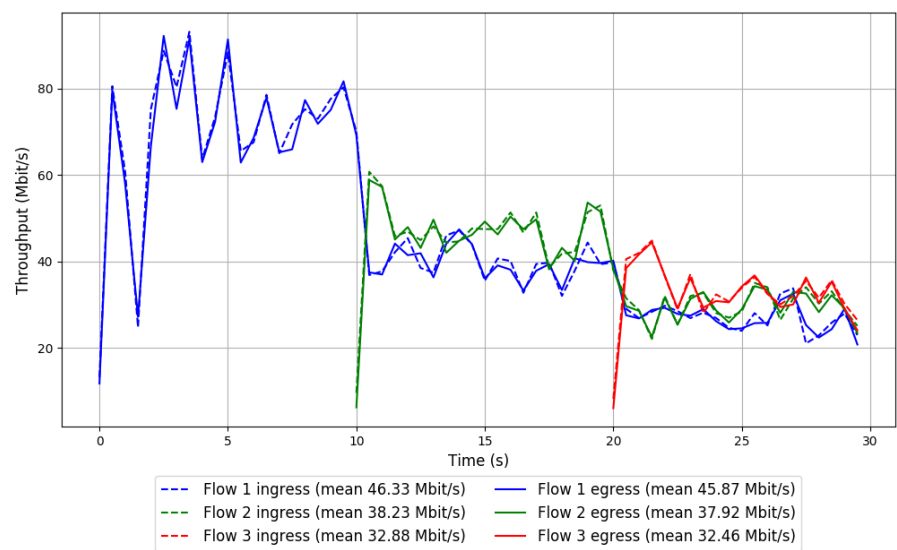


Run 7: Statistics of Verus

Start at: 2018-03-13 16:40:57
End at: 2018-03-13 16:41:27
Local clock offset: 4.309 ms
Remote clock offset: -14.144 ms

Below is generated by plot.py at 2018-03-13 22:50:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: 59.349 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 55.474 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 58.647 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 64.283 ms
Loss rate: 1.79%

Run 7: Report of Verus — Data Link

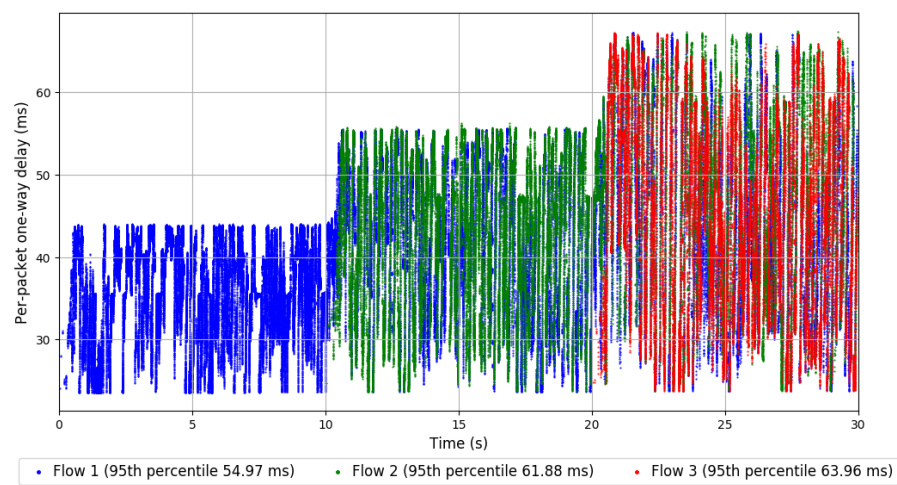
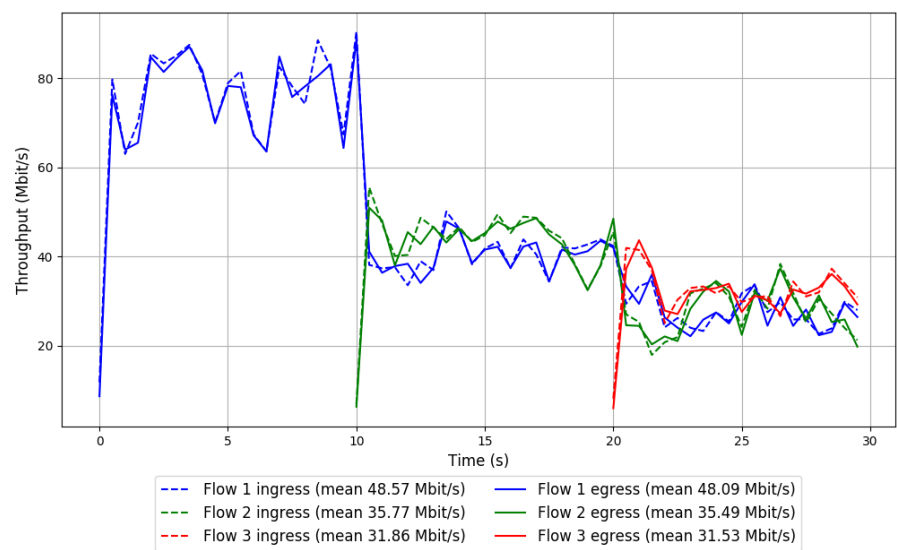


Run 8: Statistics of Verus

Start at: 2018-03-13 17:09:12
End at: 2018-03-13 17:09:42
Local clock offset: 5.604 ms
Remote clock offset: -6.455 ms

Below is generated by plot.py at 2018-03-13 22:50:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 60.357 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 54.966 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 61.883 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 63.962 ms
Loss rate: 1.57%

Run 8: Report of Verus — Data Link

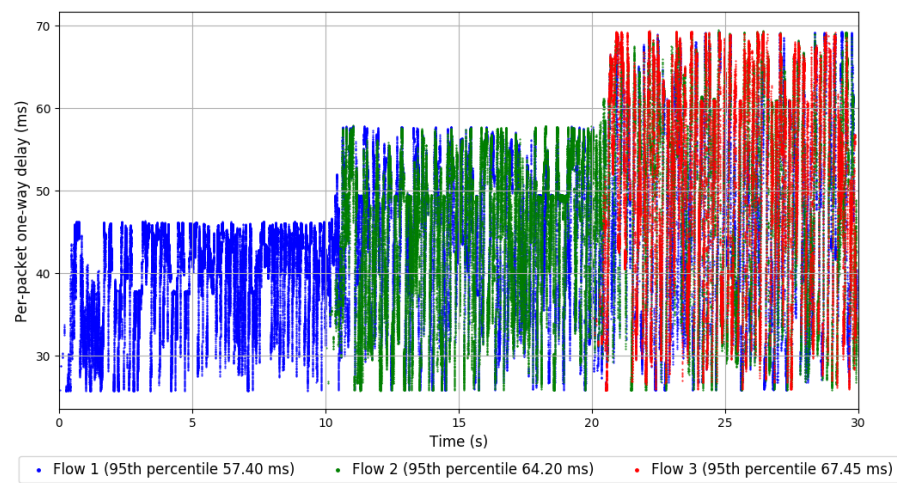
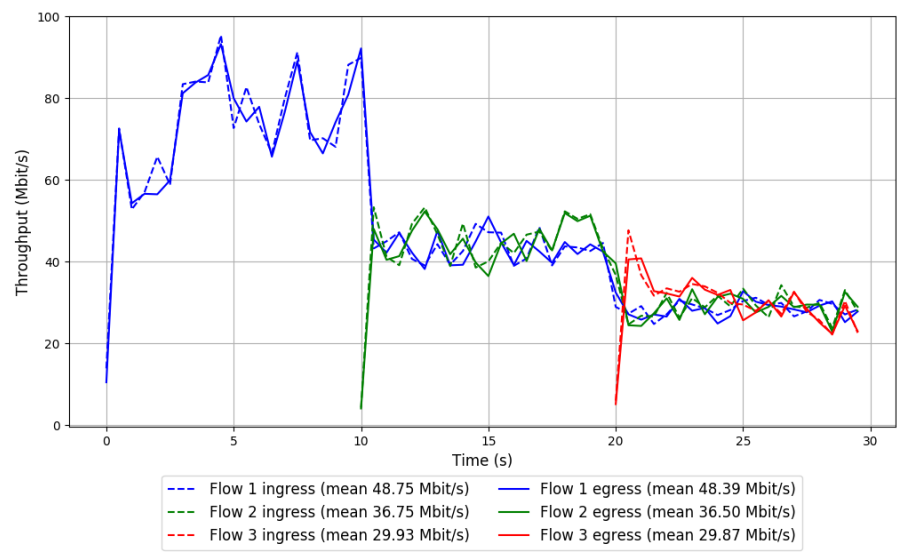


Run 9: Statistics of Verus

Start at: 2018-03-13 17:36:49
End at: 2018-03-13 17:37:19
Local clock offset: 3.22 ms
Remote clock offset: -2.838 ms

```
# Below is generated by plot.py at 2018-03-13 22:50:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 63.774 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 57.399 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 36.50 Mbit/s
95th percentile per-packet one-way delay: 64.196 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 67.454 ms
Loss rate: 1.21%
```


Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-03-13 18:03:45

End at: 2018-03-13 18:04:15

Local clock offset: -1.054 ms

Remote clock offset: 0.679 ms

Below is generated by plot.py at 2018-03-13 22:50:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 69.981 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 53.565 ms

Loss rate: 1.19%

-- Flow 2:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 73.185 ms

Loss rate: 1.12%

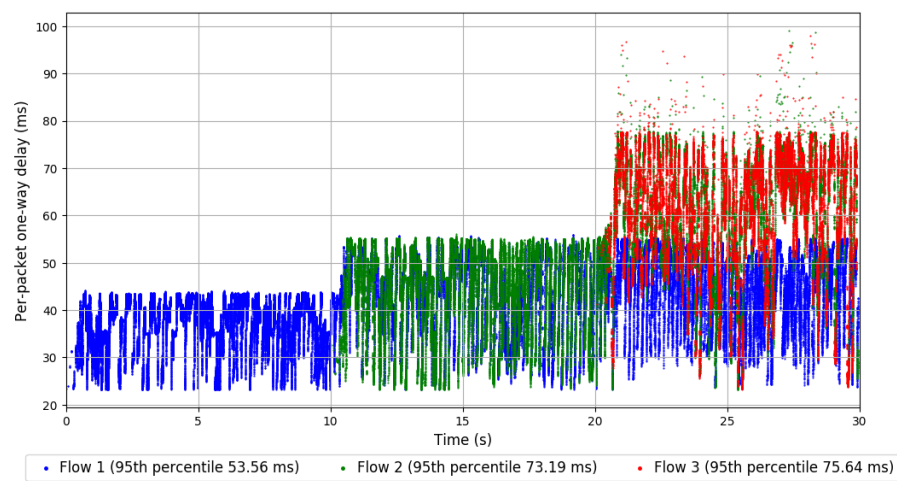
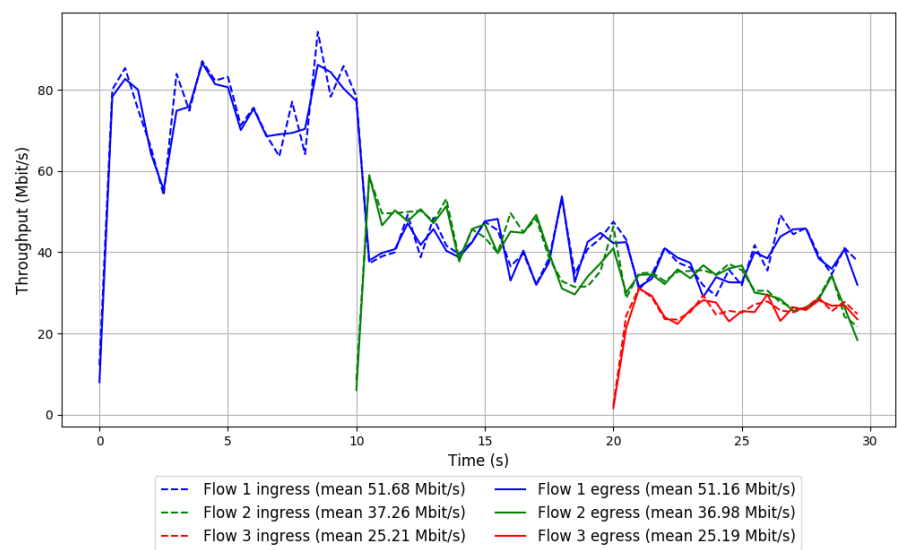
-- Flow 3:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 75.641 ms

Loss rate: 1.50%

Run 10: Report of Verus — Data Link

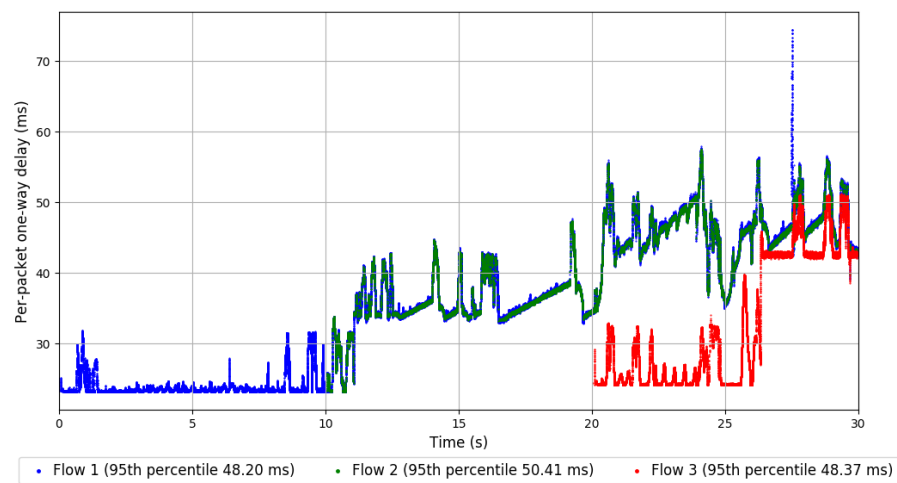
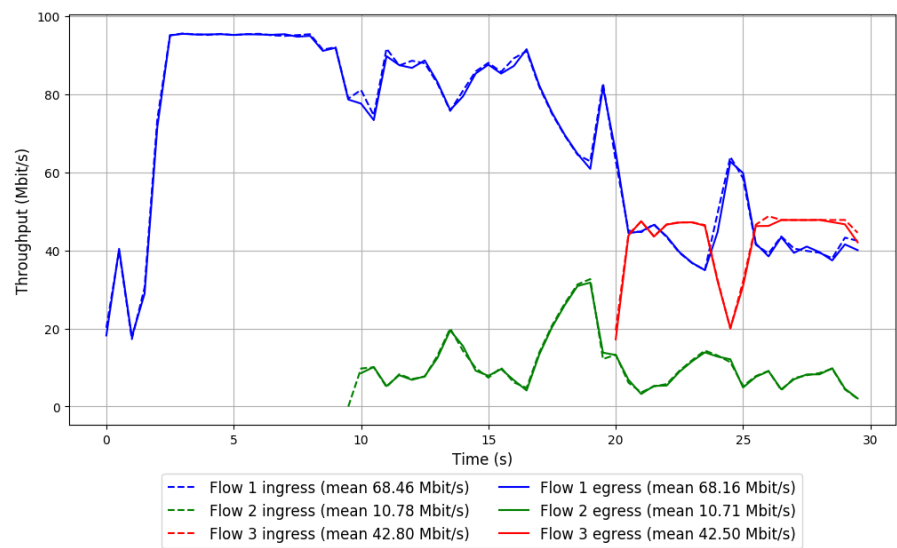


Run 1: Statistics of Copa

Start at: 2018-03-13 14:04:36
End at: 2018-03-13 14:05:06
Local clock offset: 0.868 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-03-13 22:51:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 48.555 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 48.196 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 50.410 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 48.366 ms
Loss rate: 1.32%

Run 1: Report of Copa — Data Link

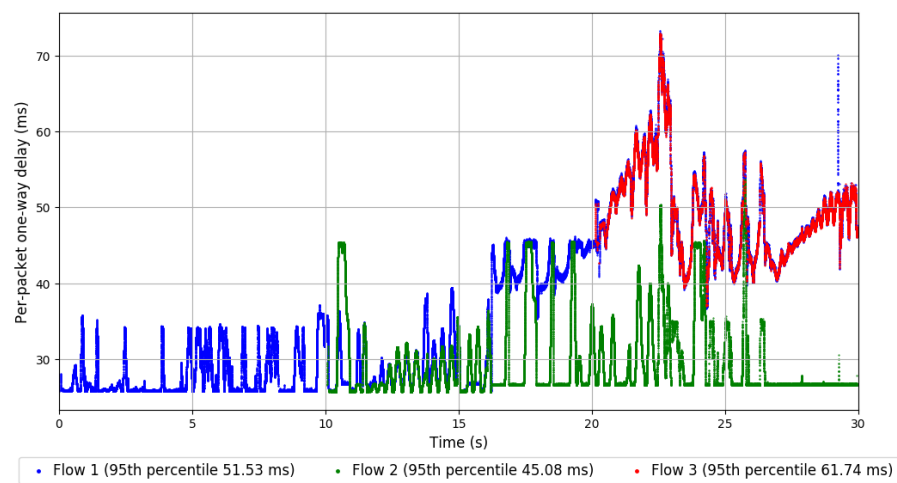
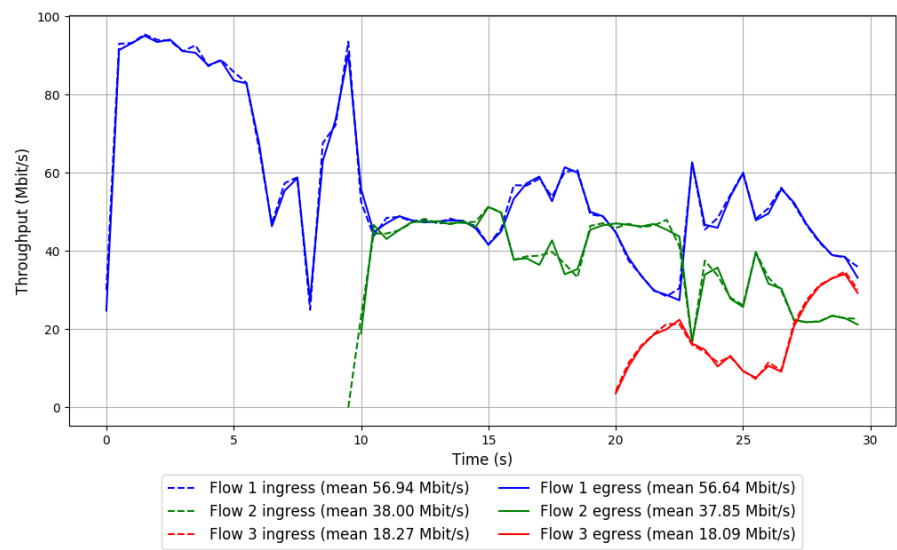


Run 2: Statistics of Copa

Start at: 2018-03-13 14:29:19
End at: 2018-03-13 14:29:49
Local clock offset: 2.229 ms
Remote clock offset: -2.911 ms

```
# Below is generated by plot.py at 2018-03-13 22:52:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 51.624 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 51.535 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 45.084 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 61.736 ms
Loss rate: 1.73%
```

Run 2: Report of Copa — Data Link

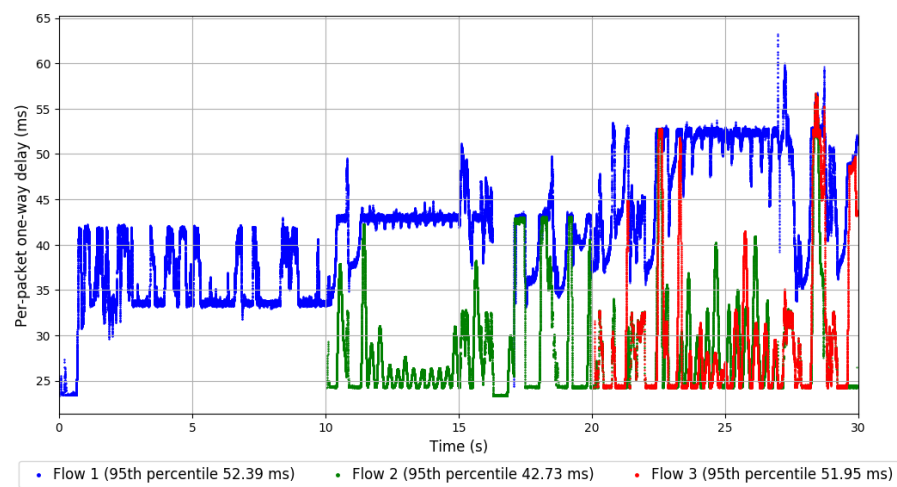
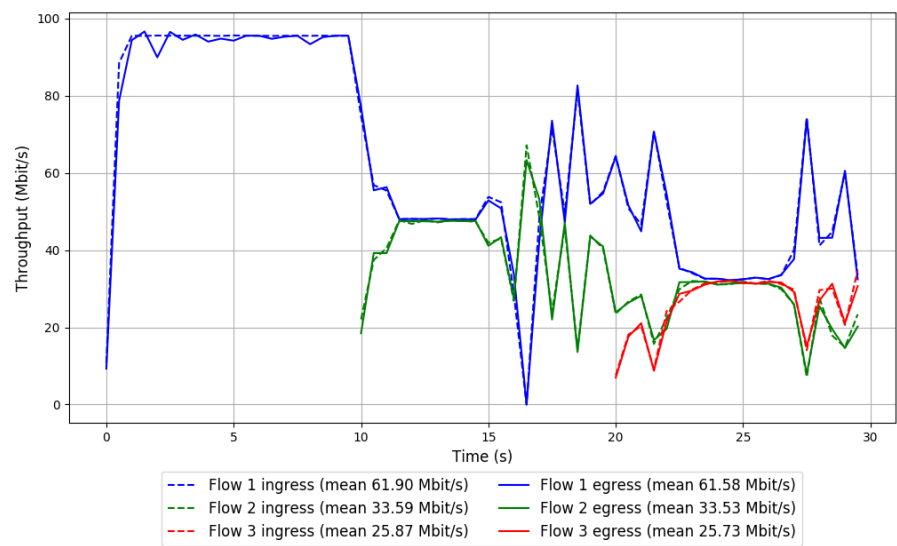


Run 3: Statistics of Copa

Start at: 2018-03-13 14:54:01
End at: 2018-03-13 14:54:31
Local clock offset: 2.528 ms
Remote clock offset: -2.396 ms

Below is generated by plot.py at 2018-03-13 22:52:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 52.167 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 52.394 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 42.734 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 25.73 Mbit/s
95th percentile per-packet one-way delay: 51.946 ms
Loss rate: 1.19%

Run 3: Report of Copa — Data Link

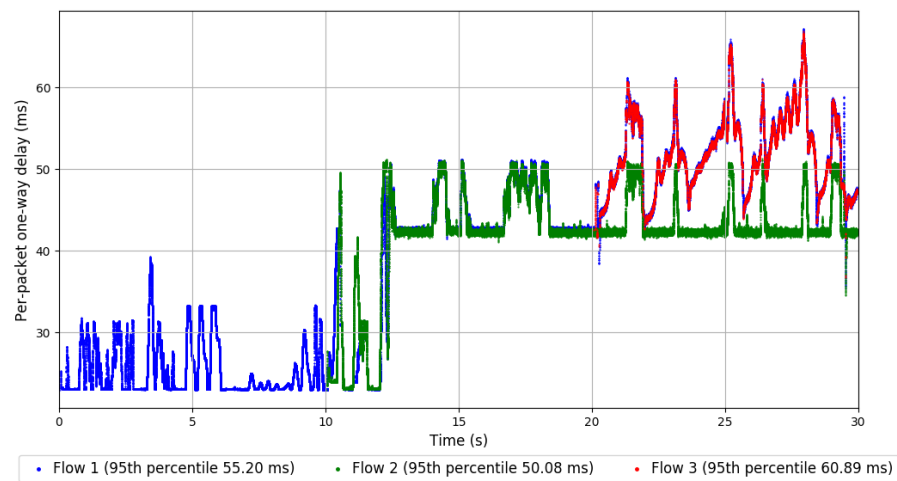
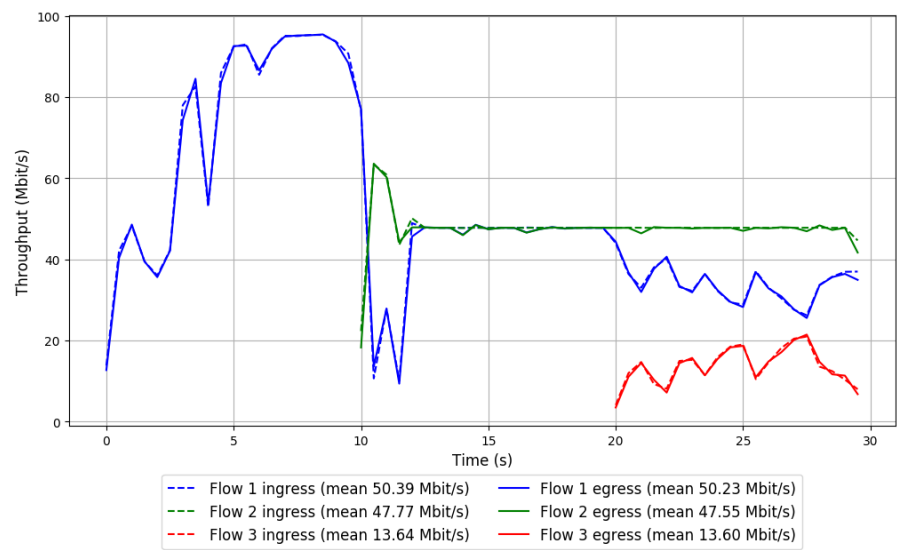


Run 4: Statistics of Copa

Start at: 2018-03-13 15:18:49
End at: 2018-03-13 15:19:19
Local clock offset: 2.051 ms
Remote clock offset: -4.009 ms

Below is generated by plot.py at 2018-03-13 22:52:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.38 Mbit/s
95th percentile per-packet one-way delay: 54.836 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 55.201 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 50.075 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 60.888 ms
Loss rate: 1.02%

Run 4: Report of Copa — Data Link

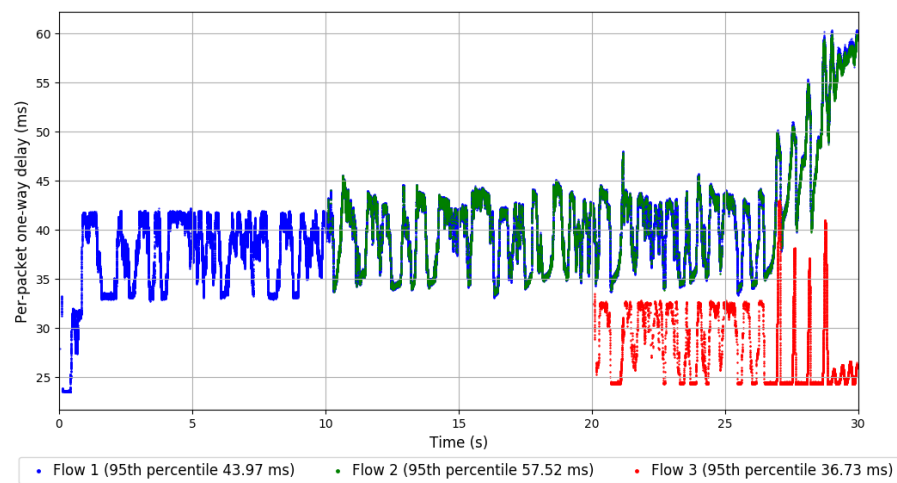
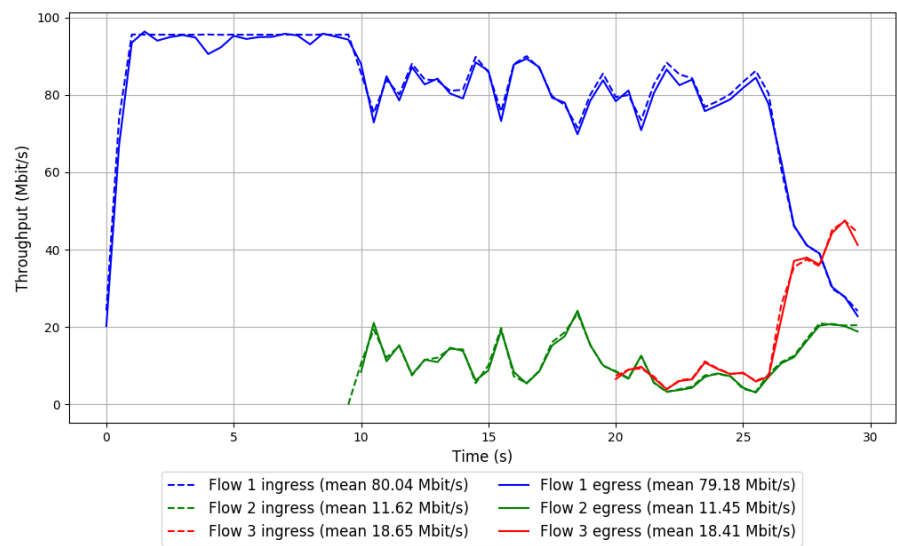


Run 5: Statistics of Copa

Start at: 2018-03-13 15:43:57
End at: 2018-03-13 15:44:27
Local clock offset: 0.596 ms
Remote clock offset: -8.979 ms

Below is generated by plot.py at 2018-03-13 22:52:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 44.604 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 43.965 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 57.525 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 36.731 ms
Loss rate: 1.91%

Run 5: Report of Copa — Data Link

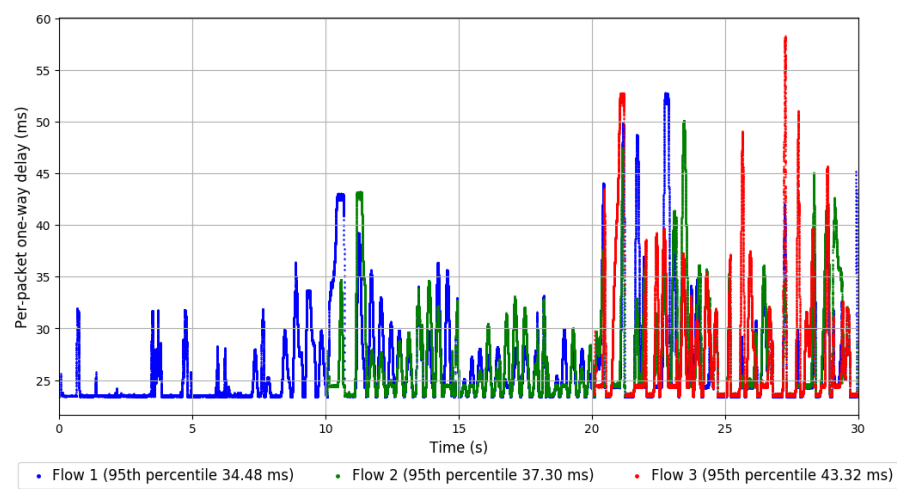
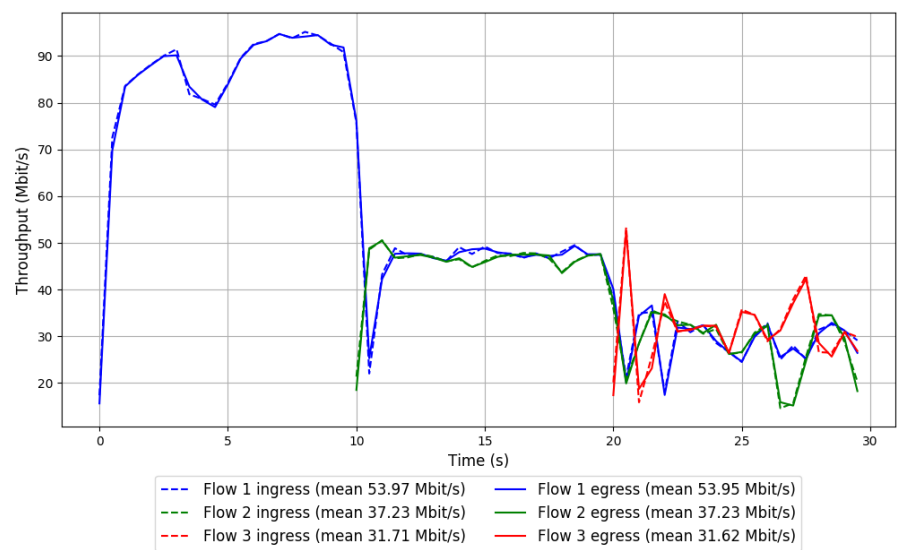


Run 6: Statistics of Copa

Start at: 2018-03-13 16:11:22
End at: 2018-03-13 16:11:52
Local clock offset: 1.17 ms
Remote clock offset: -12.171 ms

```
# Below is generated by plot.py at 2018-03-13 22:53:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 36.459 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 34.484 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 37.301 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 43.321 ms
Loss rate: 0.84%
```

Run 6: Report of Copa — Data Link

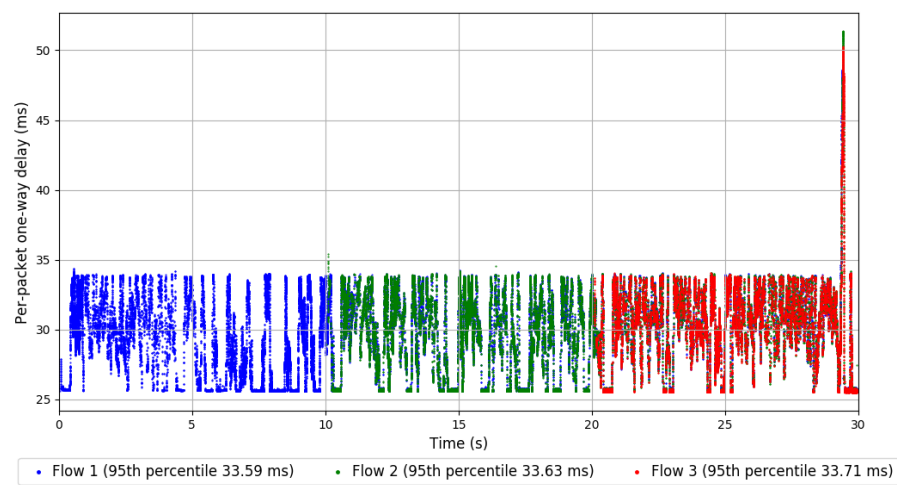
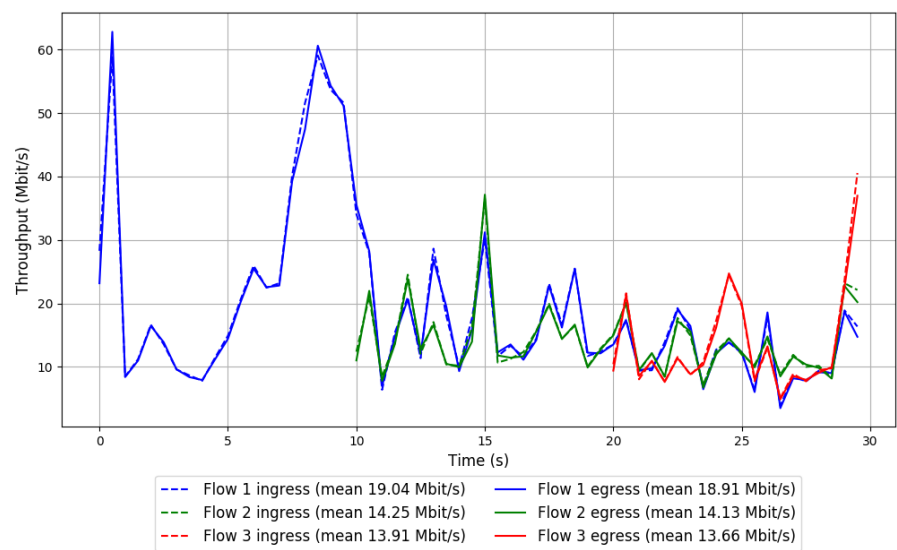


Run 7: Statistics of Copa

Start at: 2018-03-13 16:36:35
End at: 2018-03-13 16:37:05
Local clock offset: 3.921 ms
Remote clock offset: -16.379 ms

Below is generated by plot.py at 2018-03-13 22:53:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 33.616 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 33.588 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 33.627 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 13.66 Mbit/s
95th percentile per-packet one-way delay: 33.714 ms
Loss rate: 2.39%

Run 7: Report of Copa — Data Link

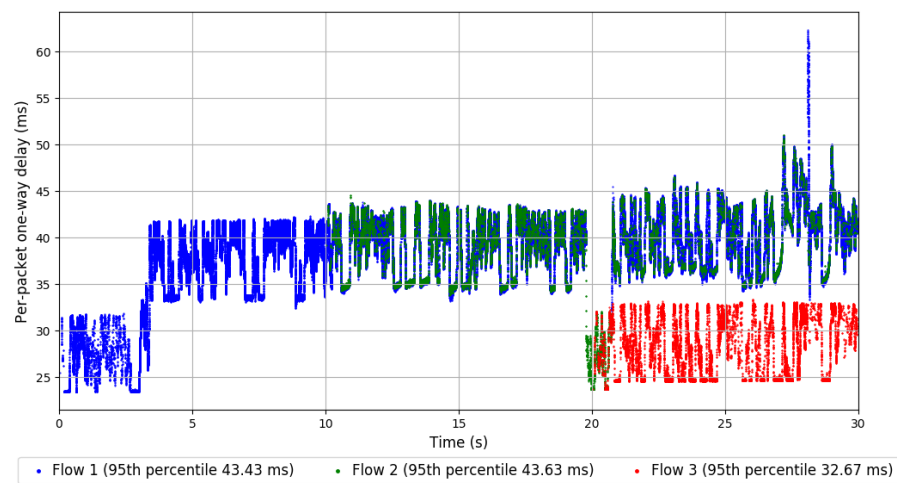
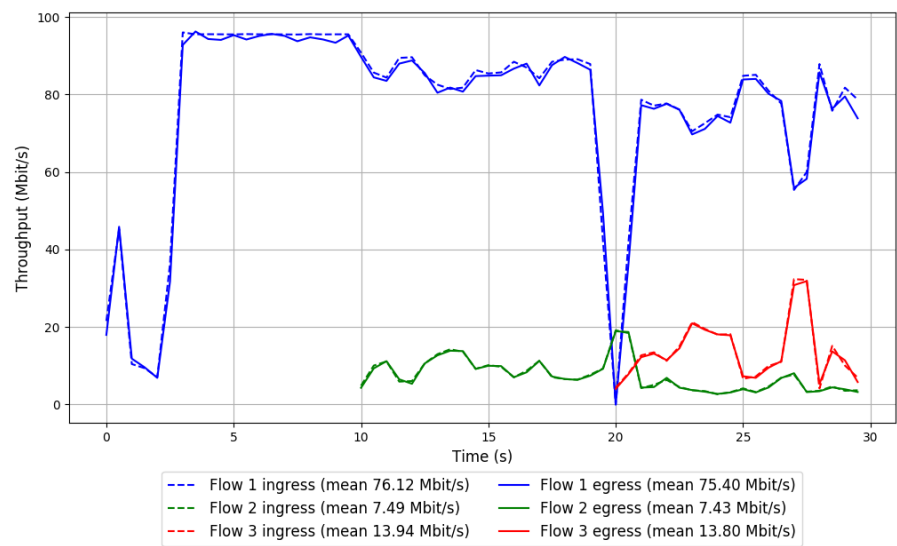


Run 8: Statistics of Copa

Start at: 2018-03-13 17:04:30
End at: 2018-03-13 17:05:00
Local clock offset: 5.491 ms
Remote clock offset: -9.372 ms

```
# Below is generated by plot.py at 2018-03-13 22:53:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 43.372 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 43.428 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 43.631 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 32.667 ms
Loss rate: 1.55%
```

Run 8: Report of Copa — Data Link

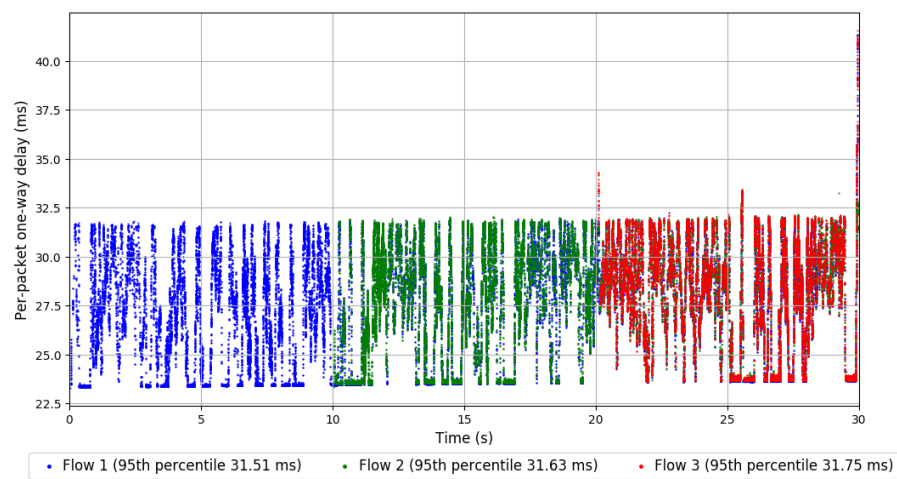
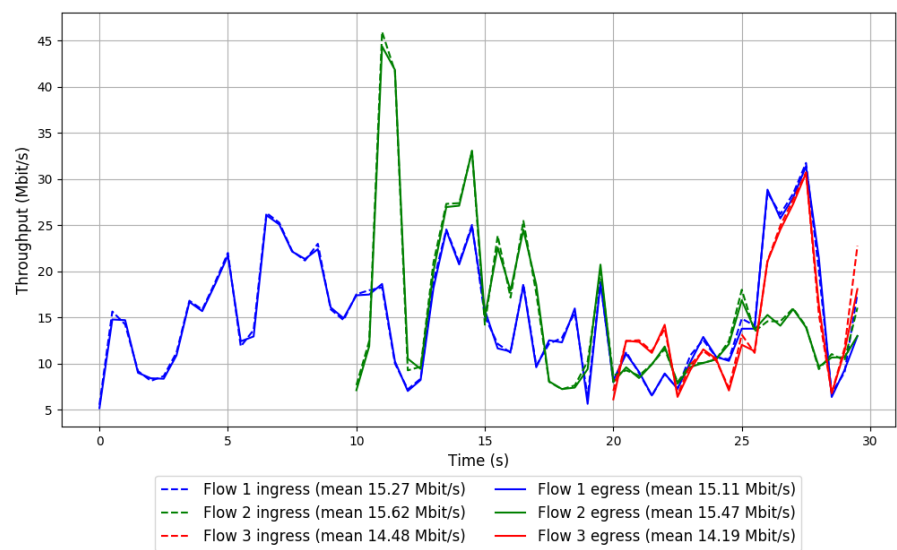


Run 9: Statistics of Copa

Start at: 2018-03-13 17:32:29
End at: 2018-03-13 17:32:59
Local clock offset: 5.307 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-03-13 22:53:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 31.596 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 31.511 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 31.629 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 31.754 ms
Loss rate: 2.62%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-03-13 17:59:21

End at: 2018-03-13 17:59:51

Local clock offset: -0.614 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2018-03-13 22:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.23 Mbit/s

95th percentile per-packet one-way delay: 40.023 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 41.453 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 39.459 ms

Loss rate: 0.66%

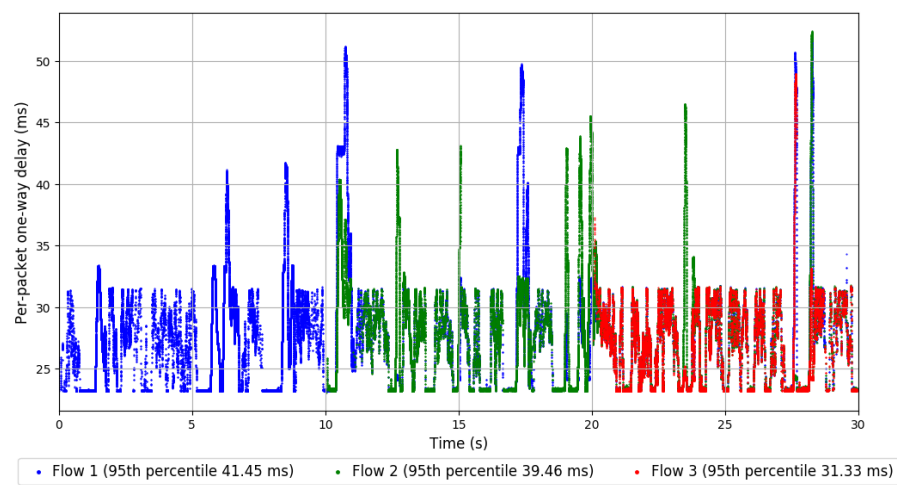
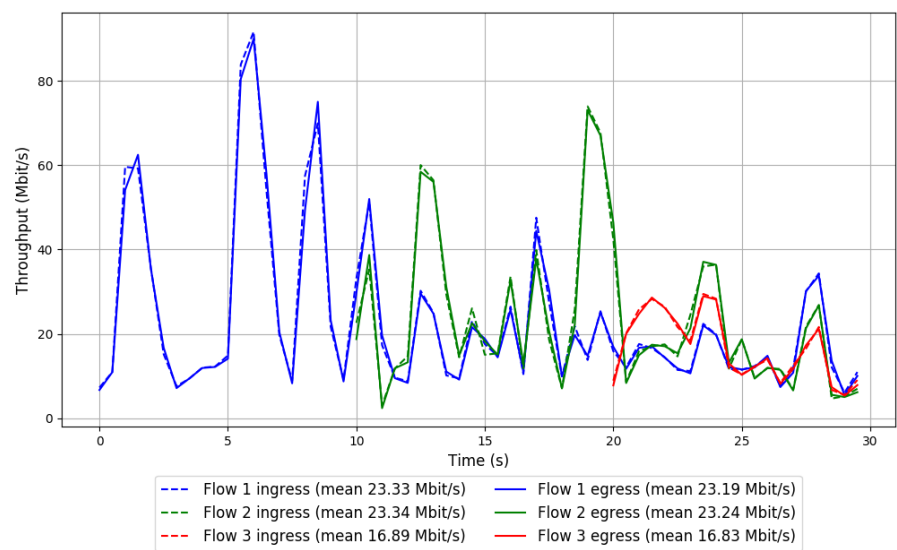
-- Flow 3:

Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 31.331 ms

Loss rate: 0.96%

Run 10: Report of Copa — Data Link

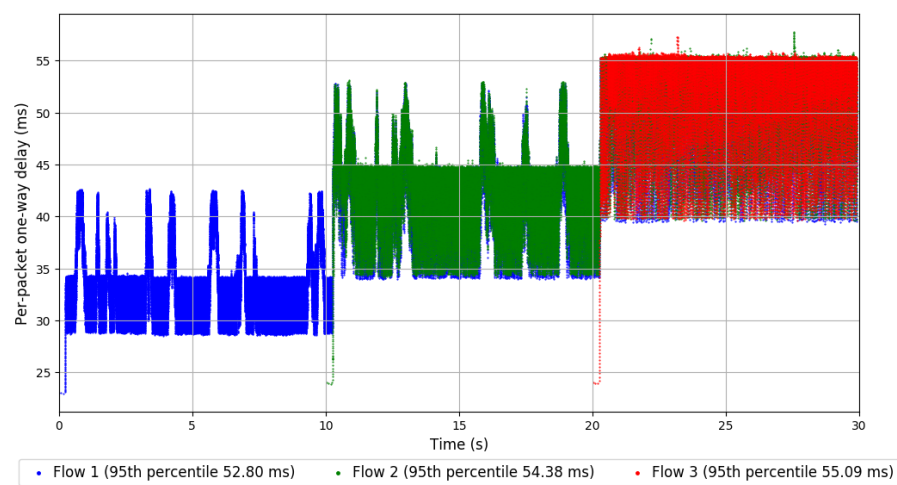
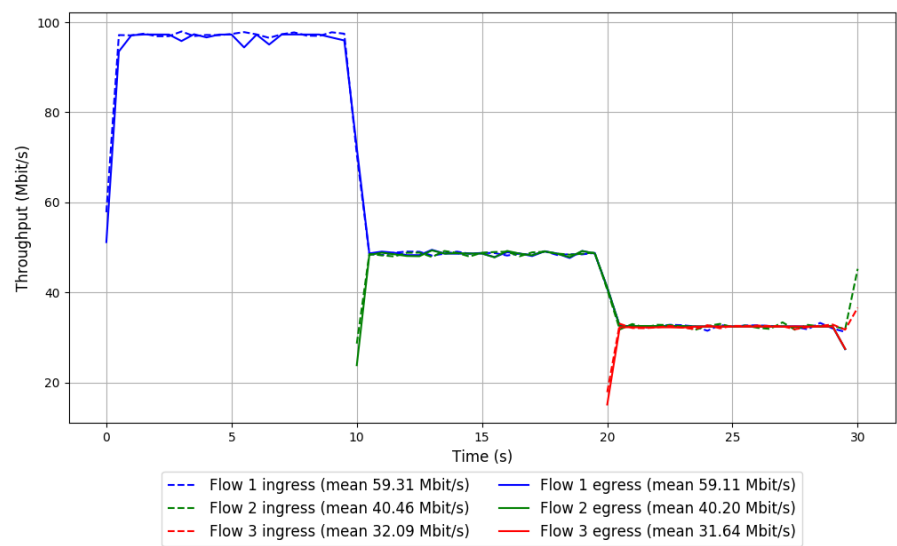


Run 1: Statistics of FillP

Start at: 2018-03-13 14:20:57
End at: 2018-03-13 14:21:27
Local clock offset: 1.972 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-03-13 22:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 54.118 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 52.795 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 54.381 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 55.091 ms
Loss rate: 6.61%

Run 1: Report of FillP — Data Link

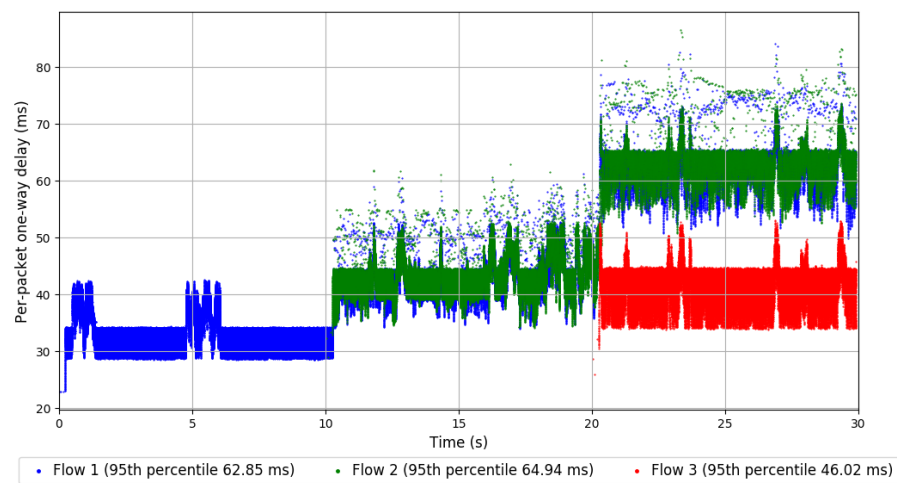
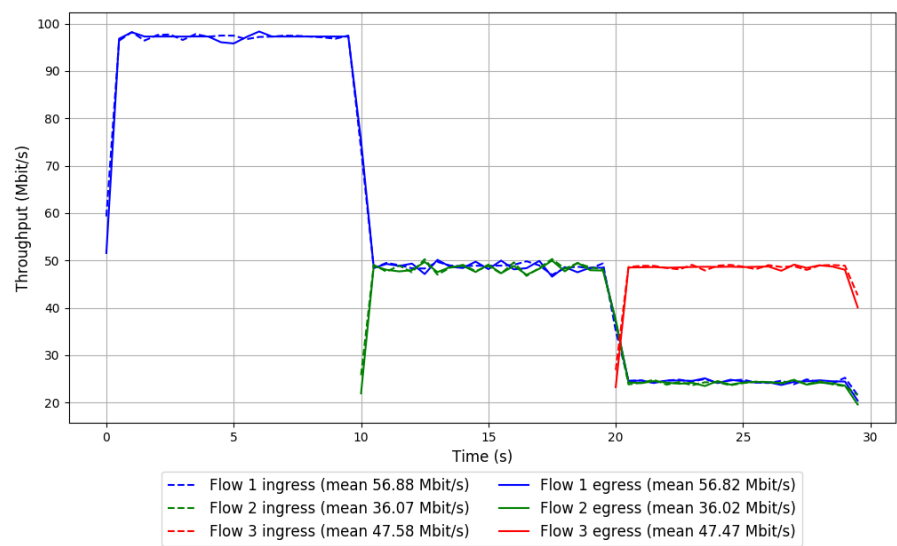


Run 2: Statistics of FillP

Start at: 2018-03-13 14:45:49
End at: 2018-03-13 14:46:19
Local clock offset: 2.498 ms
Remote clock offset: -0.936 ms

Below is generated by plot.py at 2018-03-13 22:53:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 63.578 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 62.848 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 64.935 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 46.017 ms
Loss rate: 0.83%

Run 2: Report of FillP — Data Link

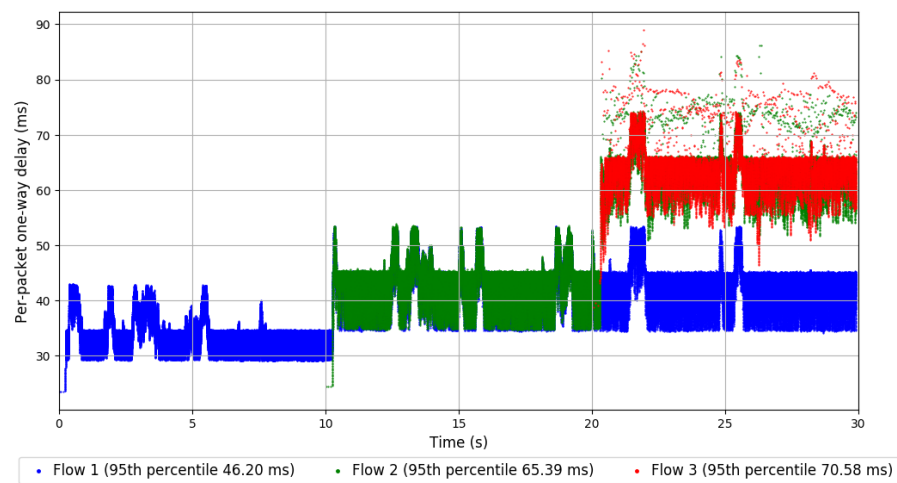
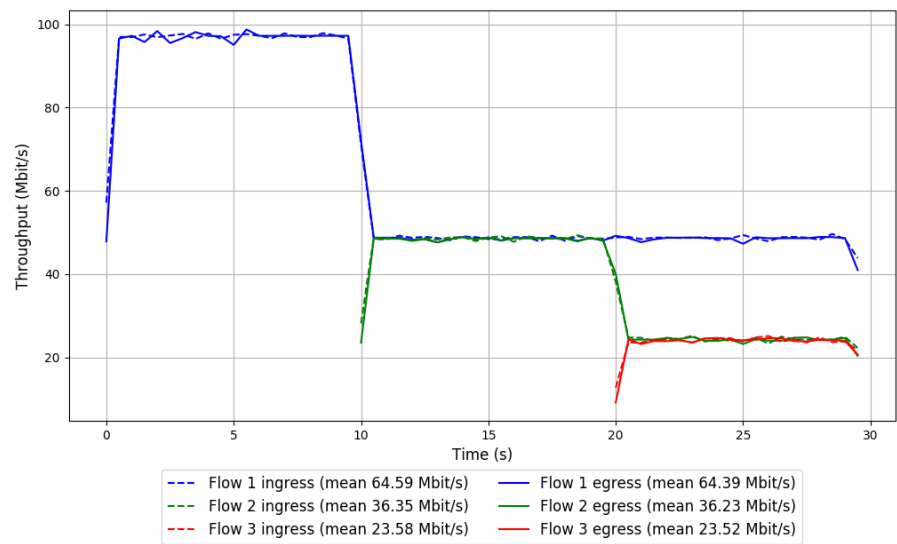


Run 3: Statistics of FillP

Start at: 2018-03-13 15:10:33
End at: 2018-03-13 15:11:03
Local clock offset: 2.857 ms
Remote clock offset: -3.394 ms

Below is generated by plot.py at 2018-03-13 22:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 64.160 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 64.39 Mbit/s
95th percentile per-packet one-way delay: 46.198 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 65.386 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 70.579 ms
Loss rate: 1.13%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-03-13 15:35:30

End at: 2018-03-13 15:36:00

Local clock offset: 0.846 ms

Remote clock offset: -9.9 ms

Below is generated by plot.py at 2018-03-13 22:54:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 62.533 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 60.498 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 62.897 ms

Loss rate: 1.36%

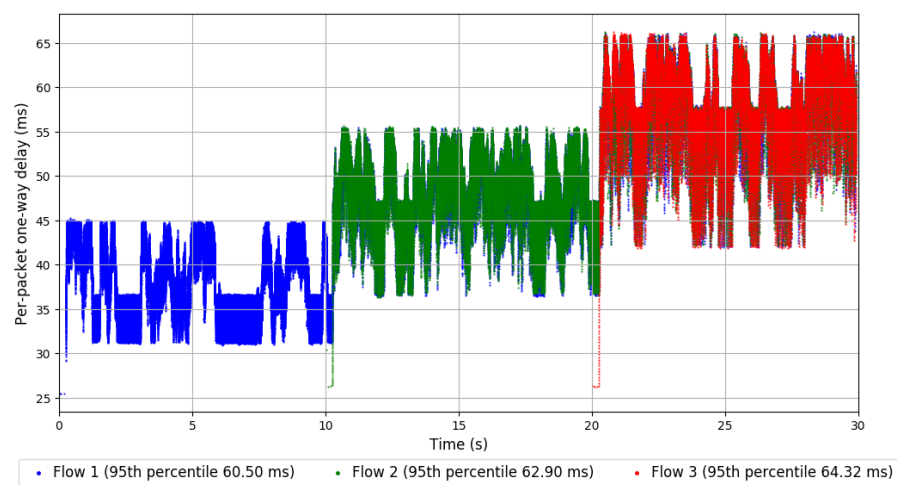
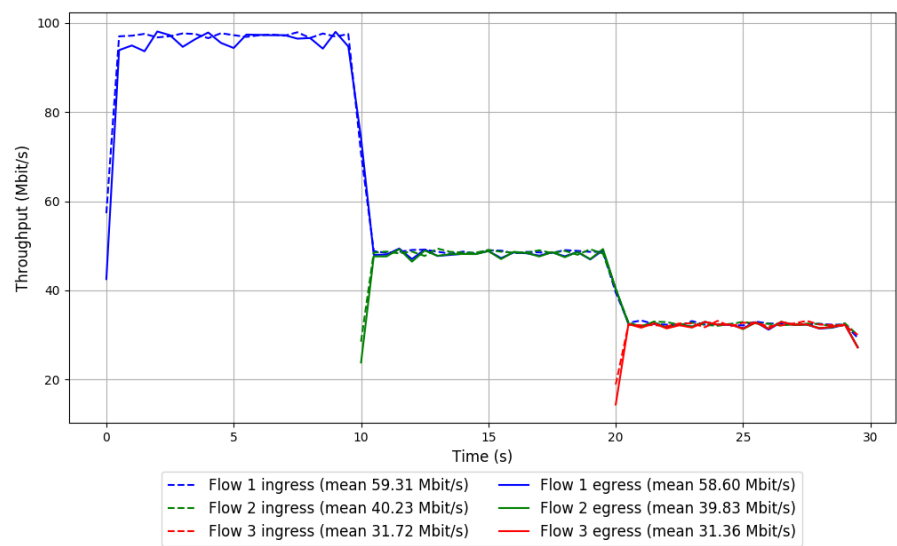
-- Flow 3:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 64.324 ms

Loss rate: 1.82%

Run 4: Report of FillP — Data Link

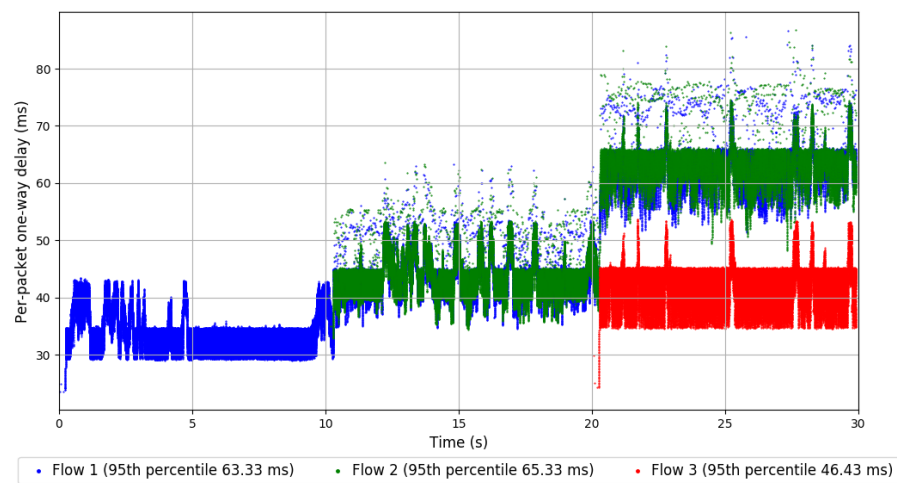
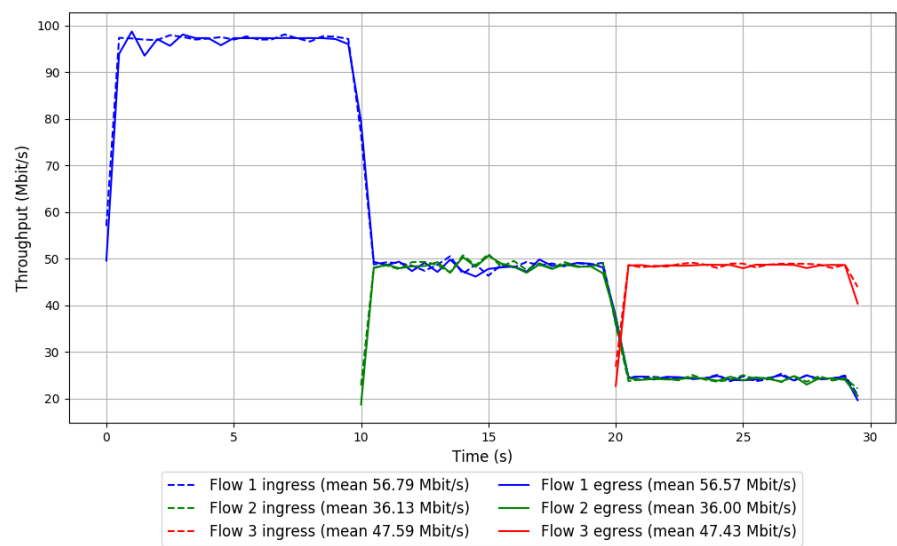


Run 5: Statistics of FillP

Start at: 2018-03-13 16:03:08
End at: 2018-03-13 16:03:38
Local clock offset: 1.085 ms
Remote clock offset: -11.442 ms

Below is generated by plot.py at 2018-03-13 22:54:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 64.011 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 63.330 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 65.325 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 46.426 ms
Loss rate: 0.98%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-13 16:28:06

End at: 2018-03-13 16:28:36

Local clock offset: 2.748 ms

Remote clock offset: -13.576 ms

Run 6: Report of FillP — Data Link

Figure is missing

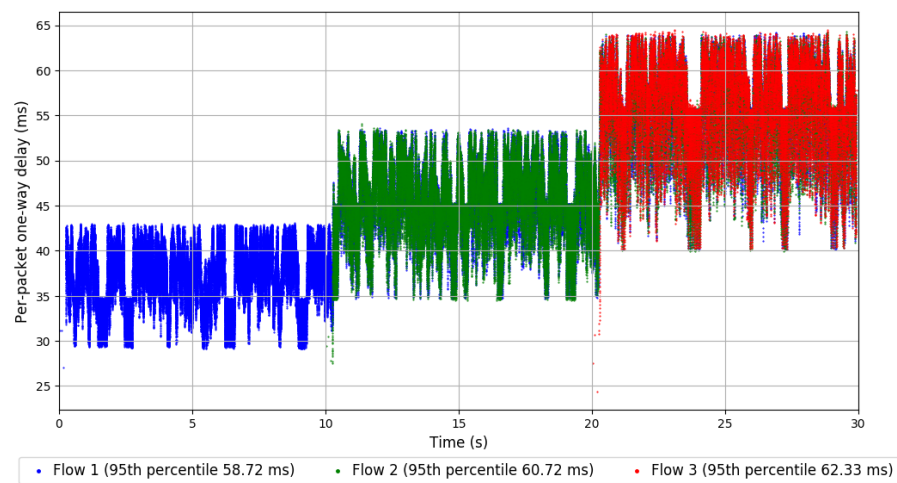
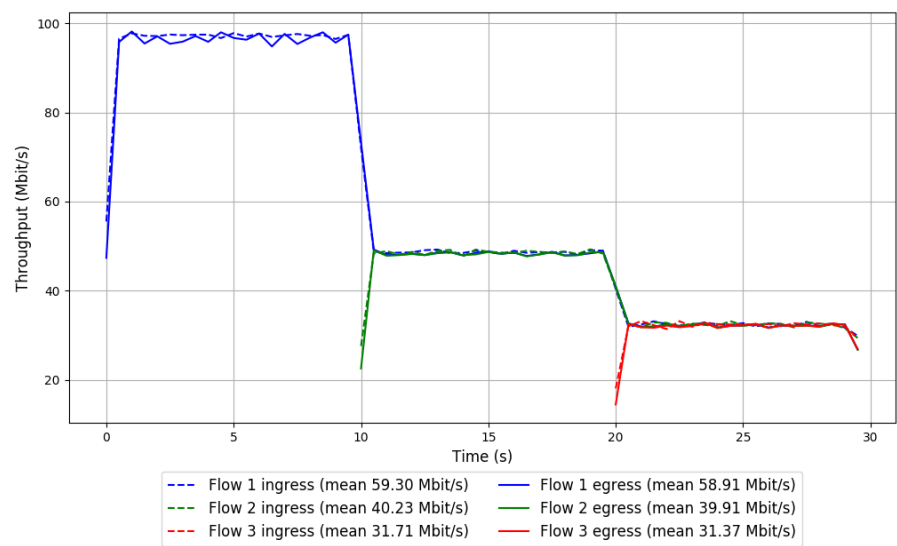
Figure is missing

Run 7: Statistics of FillP

Start at: 2018-03-13 16:55:36
End at: 2018-03-13 16:56:06
Local clock offset: 5.131 ms
Remote clock offset: -15.996 ms

Below is generated by plot.py at 2018-03-13 22:54:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 60.481 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 58.722 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 60.716 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 62.332 ms
Loss rate: 1.66%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-03-13 17:23:34

End at: 2018-03-13 17:24:04

Local clock offset: 6.17 ms

Remote clock offset: -1.51 ms

Run 8: Report of FillP — Data Link

Figure is missing

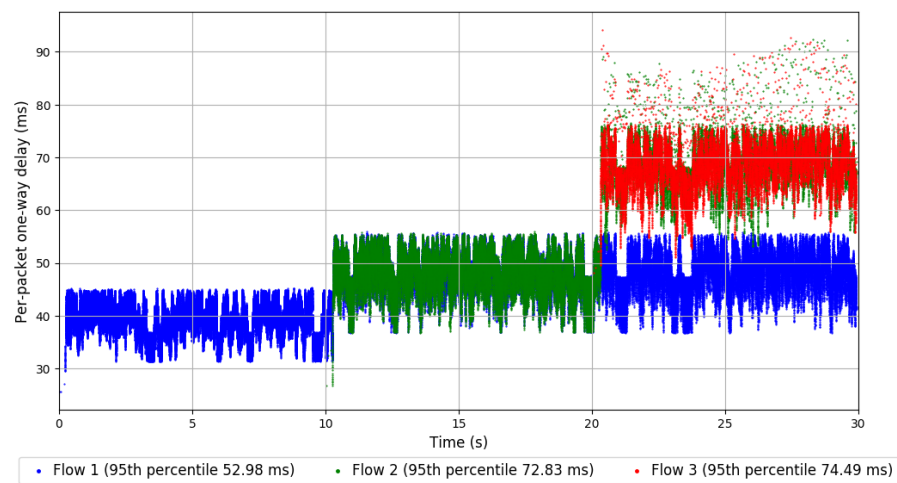
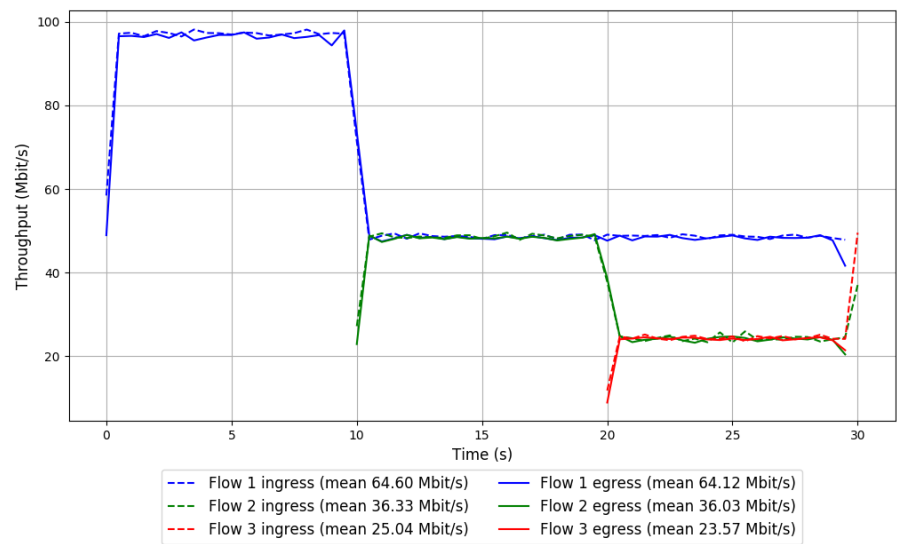
Figure is missing

Run 9: Statistics of FillP

Start at: 2018-03-13 17:50:25
End at: 2018-03-13 17:50:55
Local clock offset: 0.184 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2018-03-13 22:54:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 70.795 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 52.979 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 72.826 ms
Loss rate: 3.62%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 74.490 ms
Loss rate: 11.34%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-13 18:16:48

End at: 2018-03-13 18:17:18

Local clock offset: 1.181 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-03-13 22:54:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 63.208 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 62.482 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 48.12 Mbit/s

95th percentile per-packet one-way delay: 44.530 ms

Loss rate: 0.43%

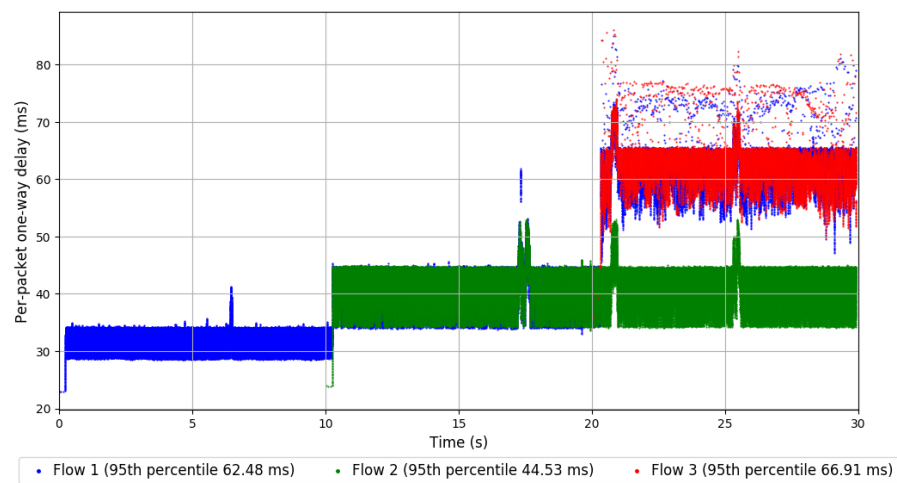
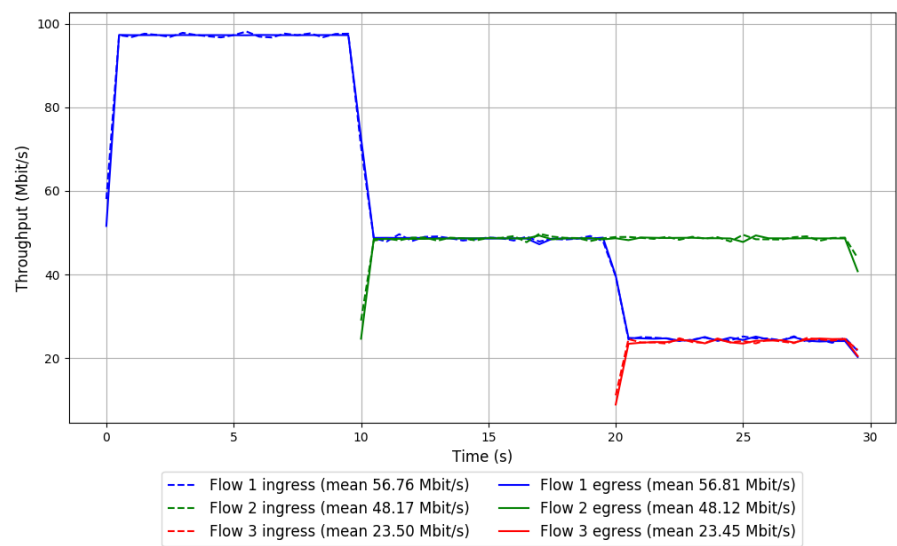
-- Flow 3:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 66.911 ms

Loss rate: 0.92%

Run 10: Report of FillP — Data Link

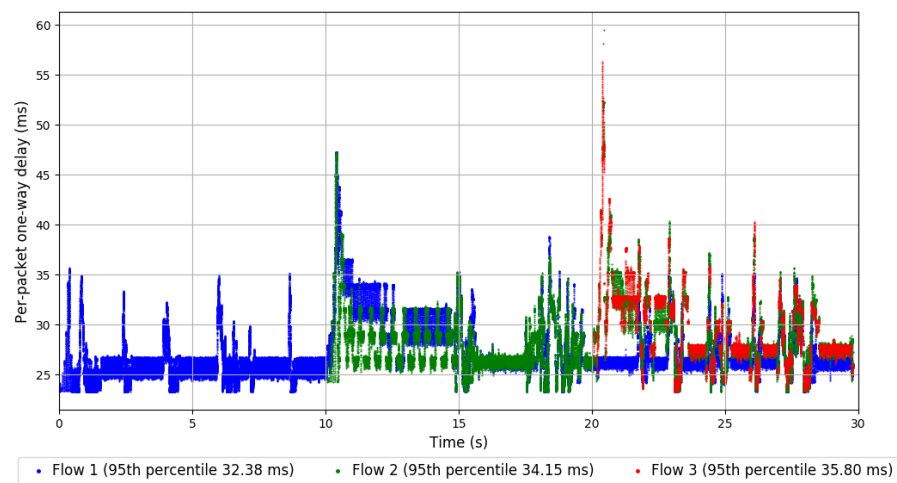
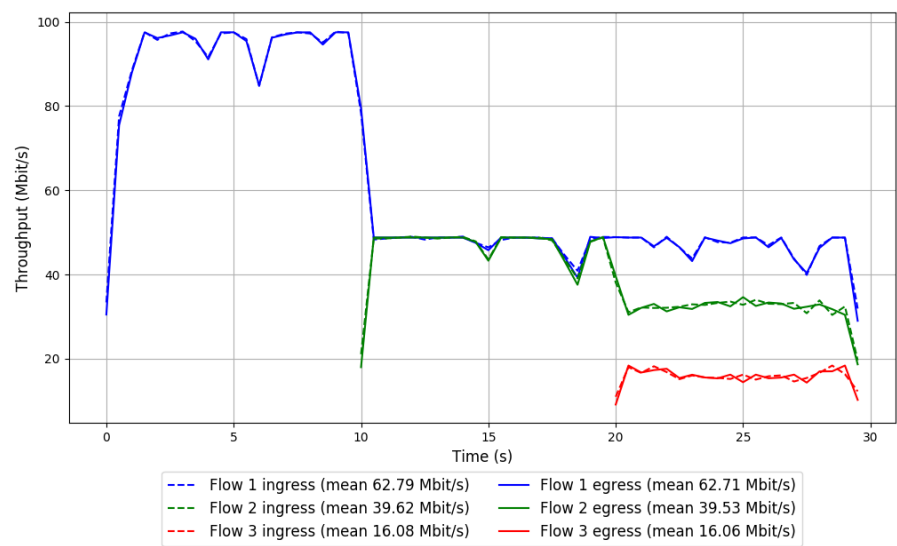


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 14:19:34
End at: 2018-03-13 14:20:04
Local clock offset: 1.842 ms
Remote clock offset: -0.741 ms

Below is generated by plot.py at 2018-03-13 22:55:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 33.402 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 62.71 Mbit/s
95th percentile per-packet one-way delay: 32.375 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 34.150 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 35.800 ms
Loss rate: 0.73%

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

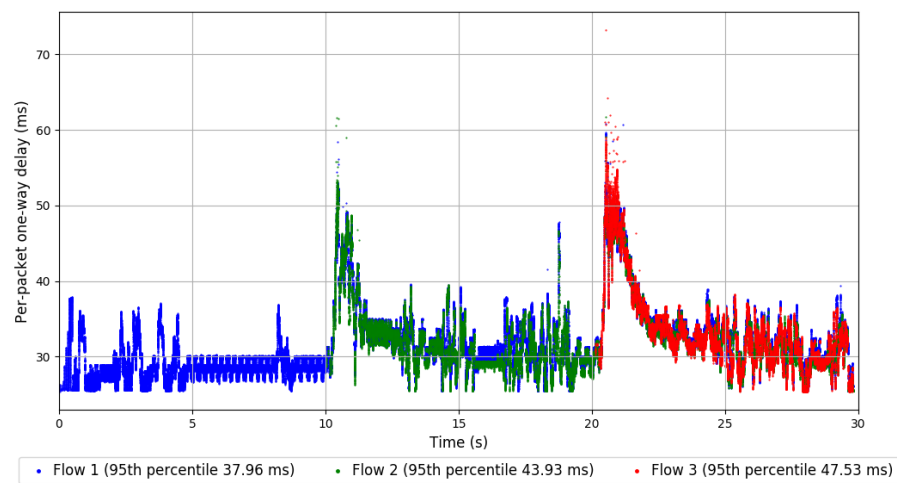
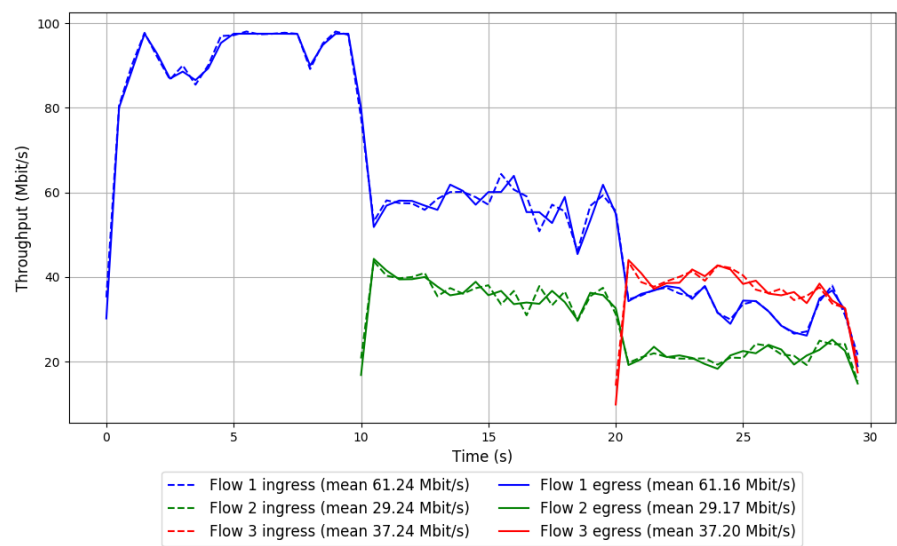


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 14:44:25
End at: 2018-03-13 14:44:55
Local clock offset: 2.461 ms
Remote clock offset: -3.222 ms

Below is generated by plot.py at 2018-03-13 22:55:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 41.652 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 37.957 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 43.934 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 47.531 ms
Loss rate: 0.71%

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

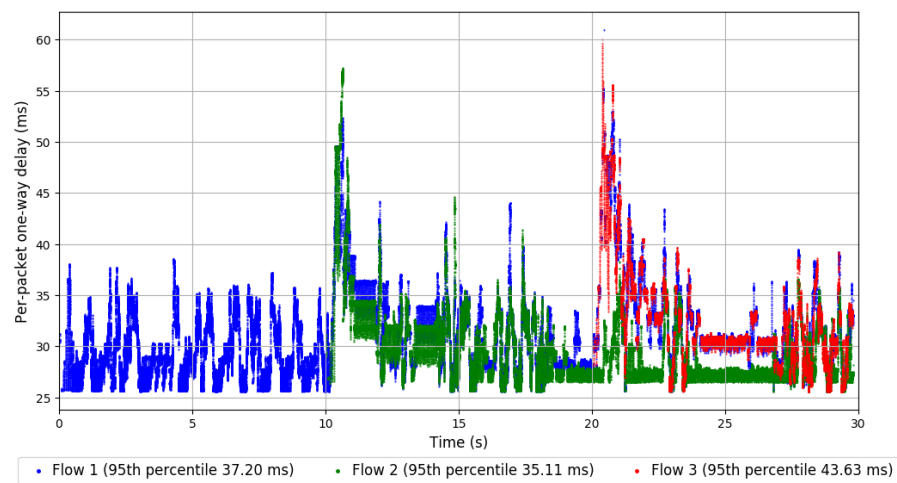
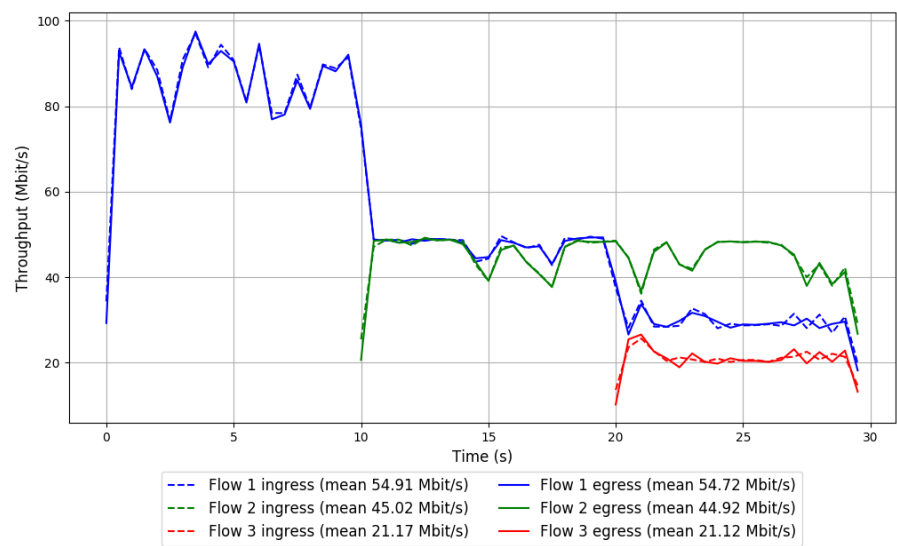


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 15:09:08
End at: 2018-03-13 15:09:38
Local clock offset: 2.718 ms
Remote clock offset: -5.538 ms

Below is generated by plot.py at 2018-03-13 22:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: 37.378 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 37.197 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 35.109 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 43.632 ms
Loss rate: 0.83%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 15:34:07

End at: 2018-03-13 15:34:37

Local clock offset: 0.906 ms

Remote clock offset: -7.66 ms

Below is generated by plot.py at 2018-03-13 22:55:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 35.699 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 53.61 Mbit/s

95th percentile per-packet one-way delay: 33.665 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 42.018 ms

Loss rate: 0.47%

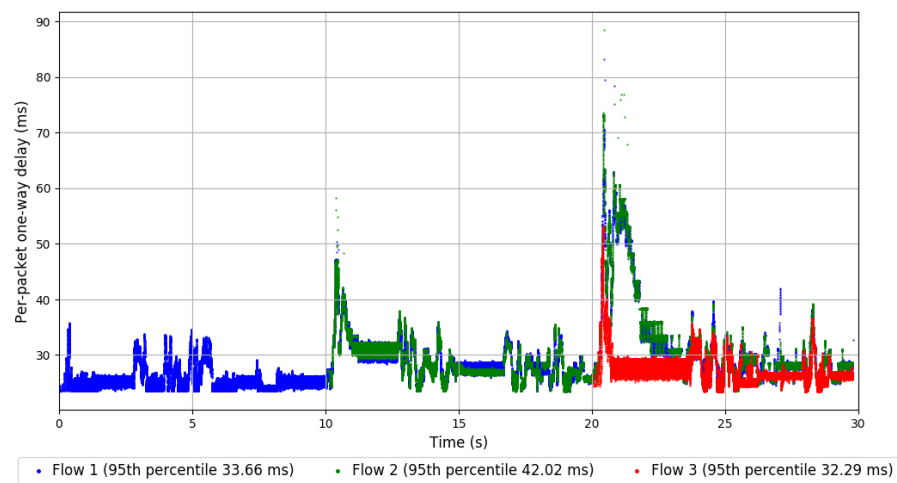
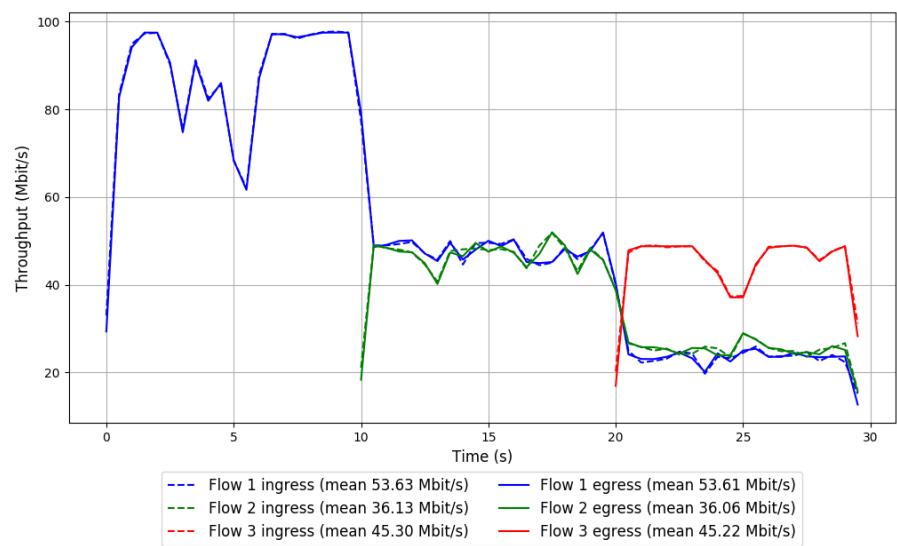
-- Flow 3:

Average throughput: 45.22 Mbit/s

95th percentile per-packet one-way delay: 32.291 ms

Loss rate: 0.74%

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

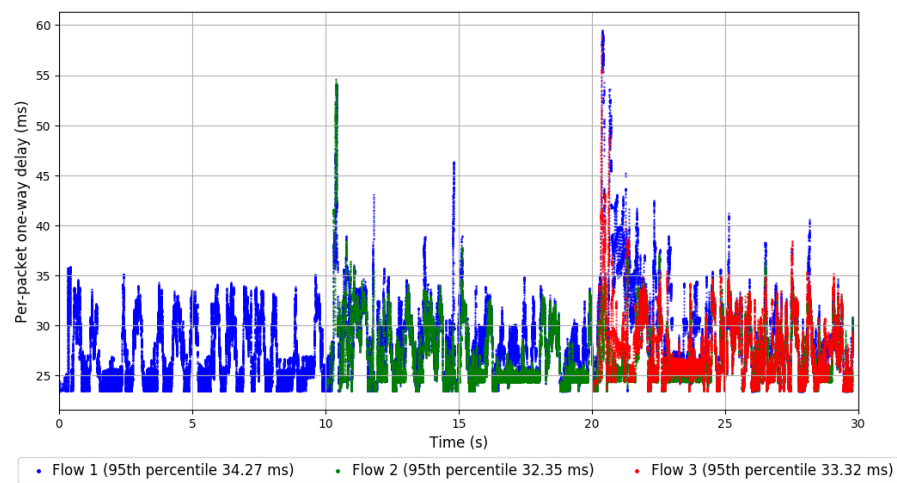
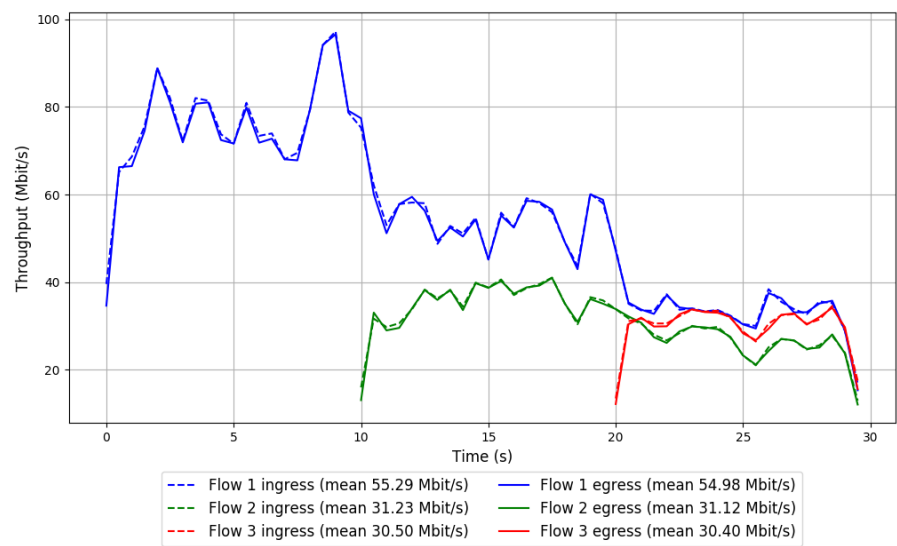


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 16:01:38
End at: 2018-03-13 16:02:08
Local clock offset: 1.131 ms
Remote clock offset: -11.239 ms

Below is generated by plot.py at 2018-03-13 22:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 33.555 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 34.269 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 32.351 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 33.318 ms
Loss rate: 0.91%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 16:26:31

End at: 2018-03-13 16:27:01

Local clock offset: 2.439 ms

Remote clock offset: -12.967 ms

Below is generated by plot.py at 2018-03-13 22:56:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.22 Mbit/s

95th percentile per-packet one-way delay: 32.022 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 32.254 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 31.436 ms

Loss rate: 0.68%

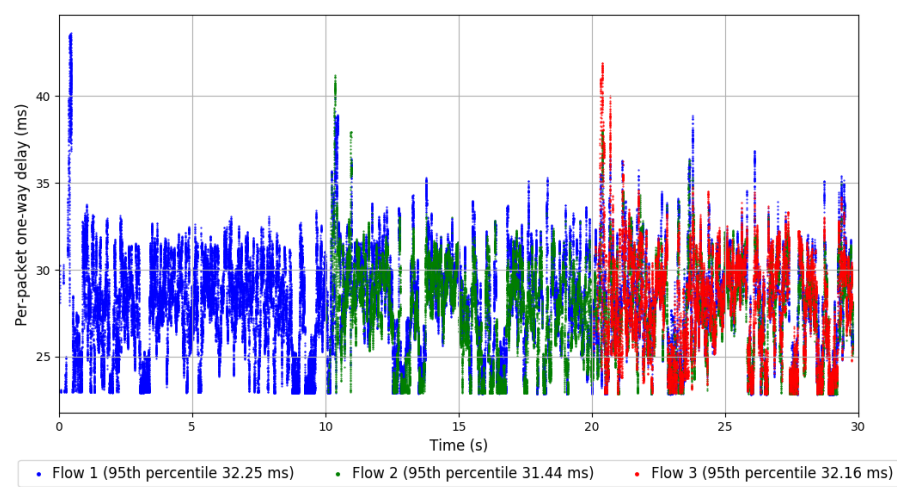
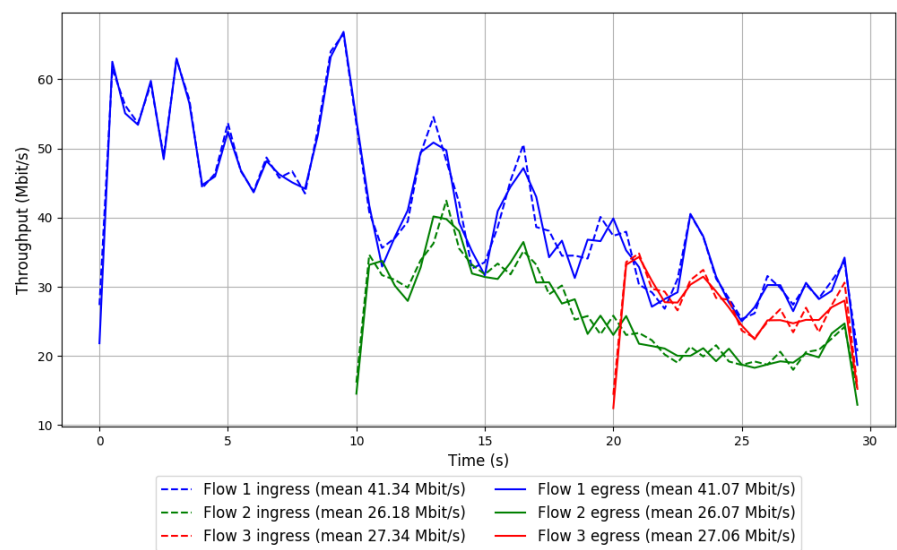
-- Flow 3:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 32.161 ms

Loss rate: 1.26%

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

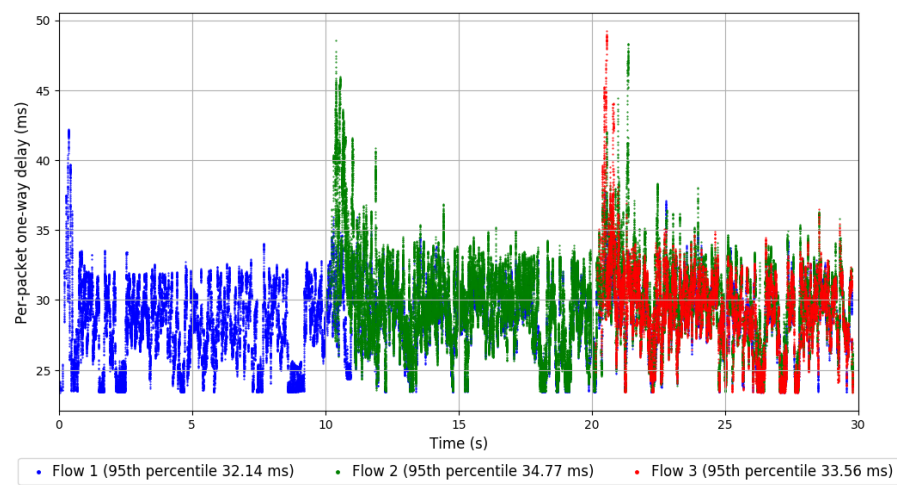
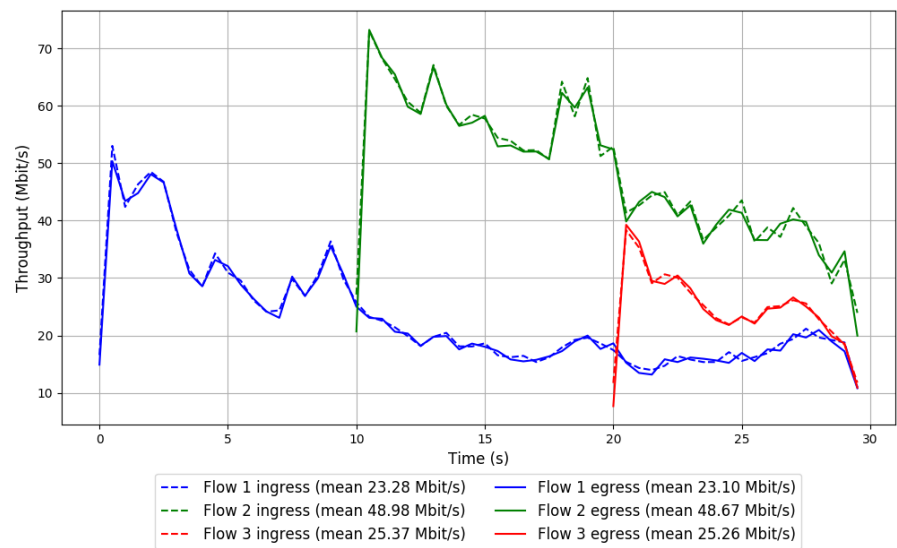


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 16:54:02
End at: 2018-03-13 16:54:32
Local clock offset: 5.078 ms
Remote clock offset: -15.748 ms

Below is generated by plot.py at 2018-03-13 22:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 33.640 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 32.144 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 34.767 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 33.559 ms
Loss rate: 1.02%

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

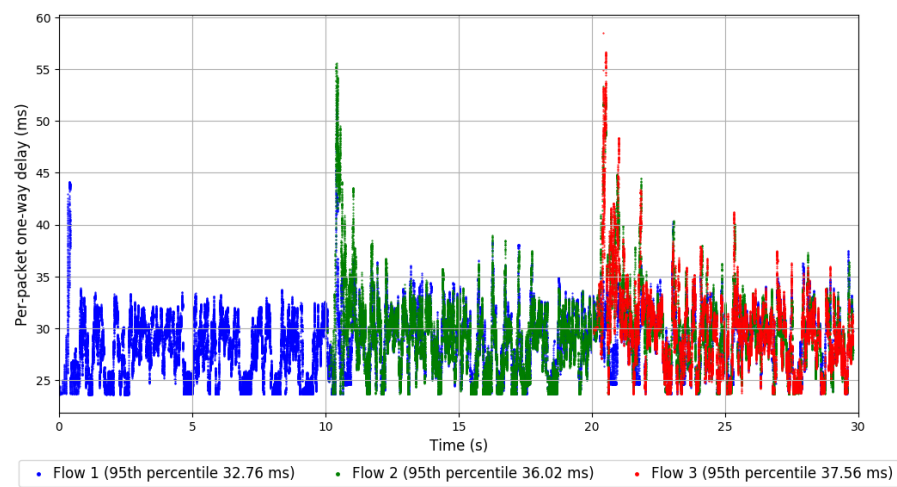
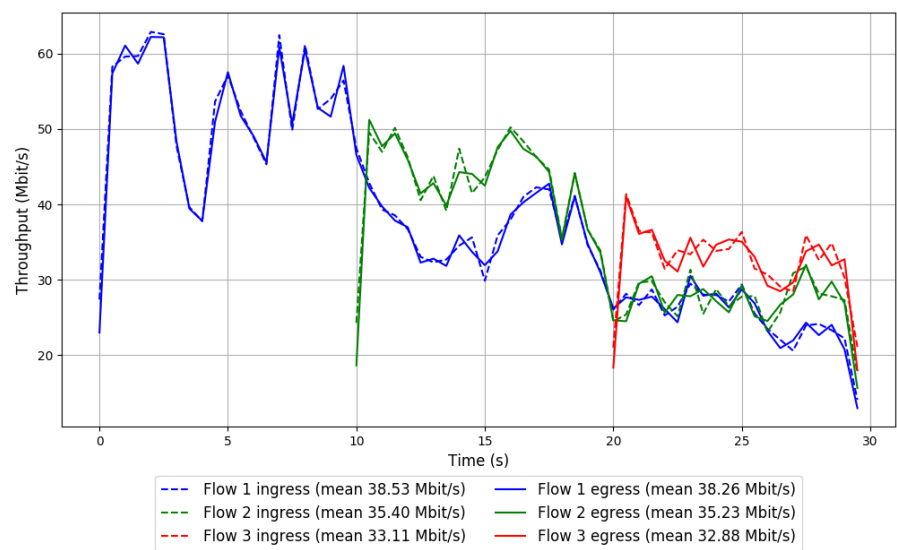


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 17:22:04
End at: 2018-03-13 17:22:34
Local clock offset: 6.104 ms
Remote clock offset: -2.358 ms

Below is generated by plot.py at 2018-03-13 22:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 34.408 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 32.756 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 36.022 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 37.563 ms
Loss rate: 1.30%

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

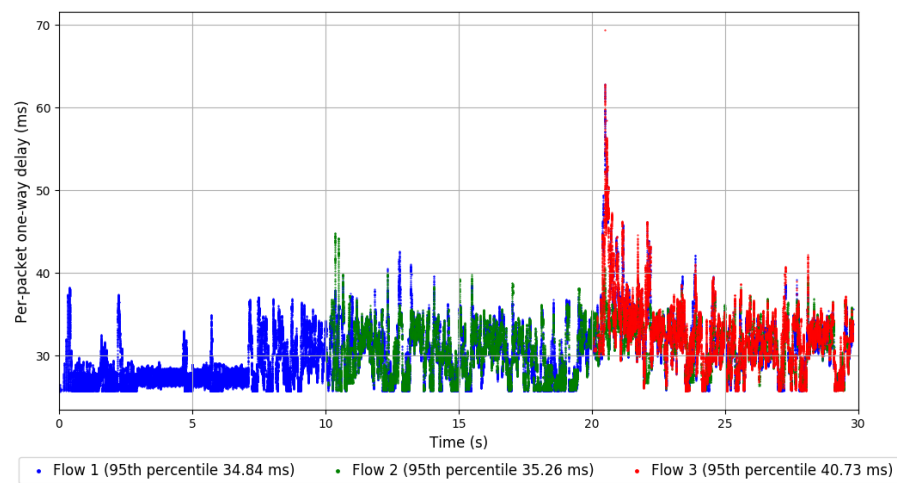
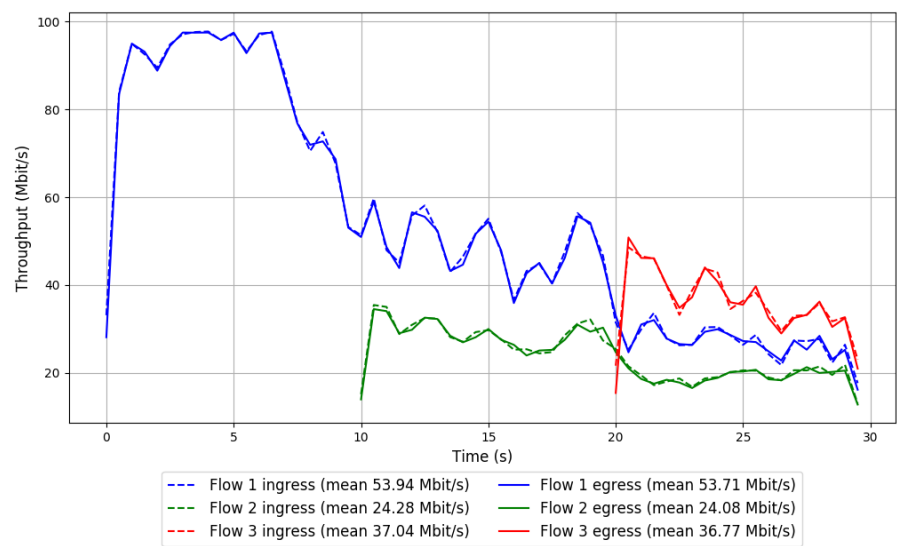


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 17:49:01
End at: 2018-03-13 17:49:31
Local clock offset: 0.395 ms
Remote clock offset: -2.547 ms

Below is generated by plot.py at 2018-03-13 22:56:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 35.836 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 34.844 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 35.262 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 40.731 ms
Loss rate: 1.32%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 18:15:25

End at: 2018-03-13 18:15:55

Local clock offset: 1.039 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-03-13 22:57:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 33.335 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 65.15 Mbit/s

95th percentile per-packet one-way delay: 33.226 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 22.48 Mbit/s

95th percentile per-packet one-way delay: 34.870 ms

Loss rate: 0.49%

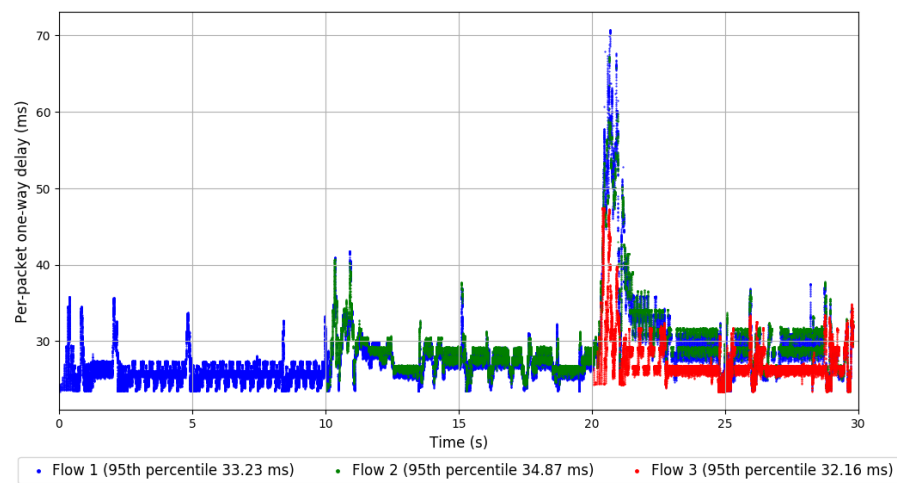
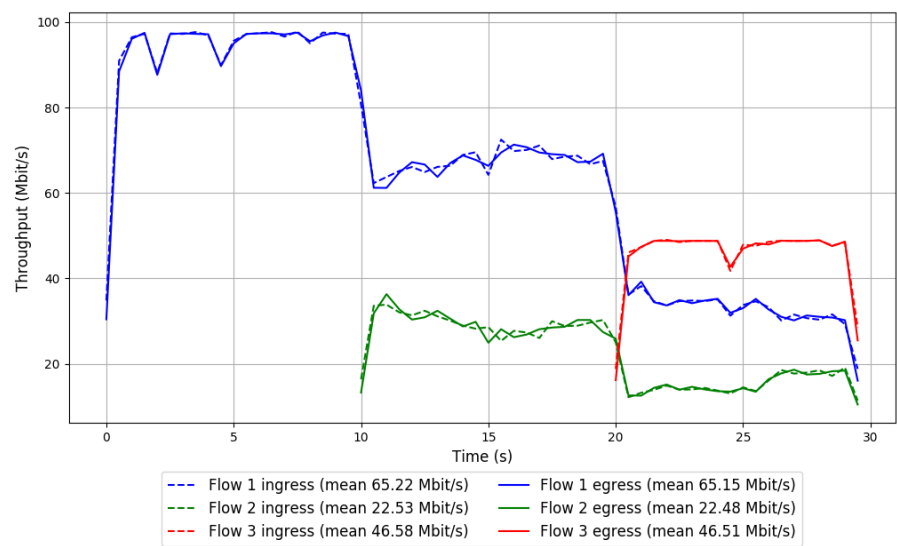
-- Flow 3:

Average throughput: 46.51 Mbit/s

95th percentile per-packet one-way delay: 32.162 ms

Loss rate: 0.70%

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

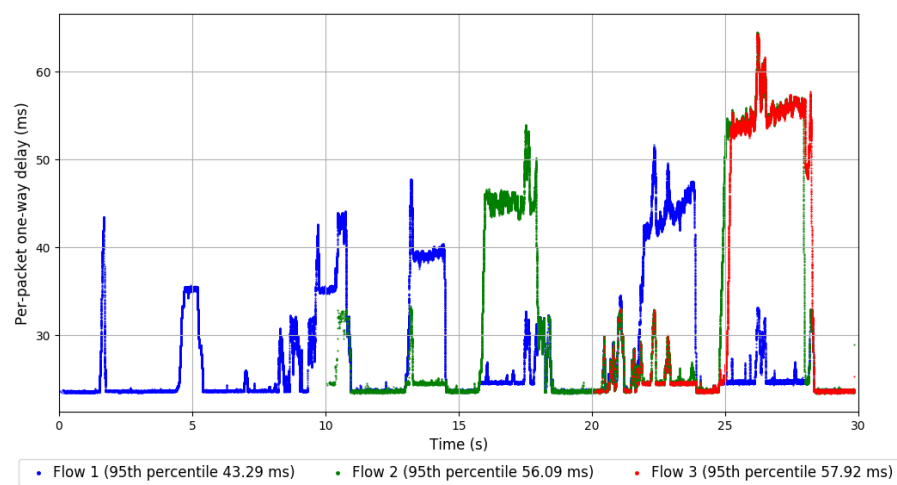
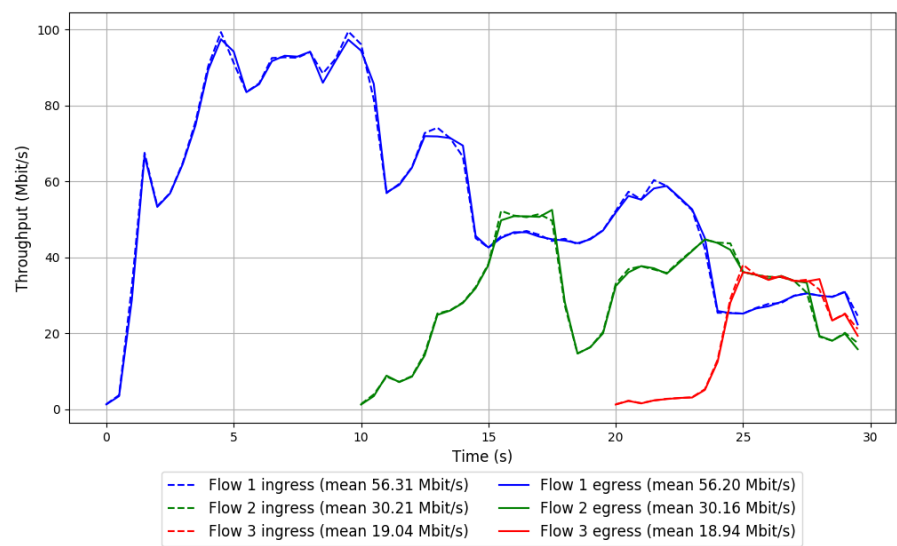


Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 14:23:40
End at: 2018-03-13 14:24:10
Local clock offset: 2.068 ms
Remote clock offset: -0.759 ms

Below is generated by plot.py at 2018-03-13 22:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 54.715 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 43.288 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 56.091 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 57.918 ms
Loss rate: 1.02%

Run 1: Report of Vivace-latency — Data Link

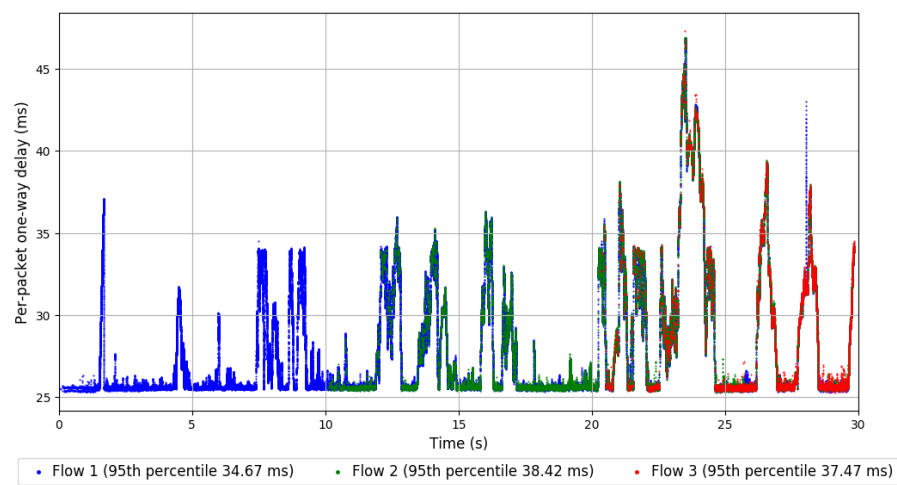
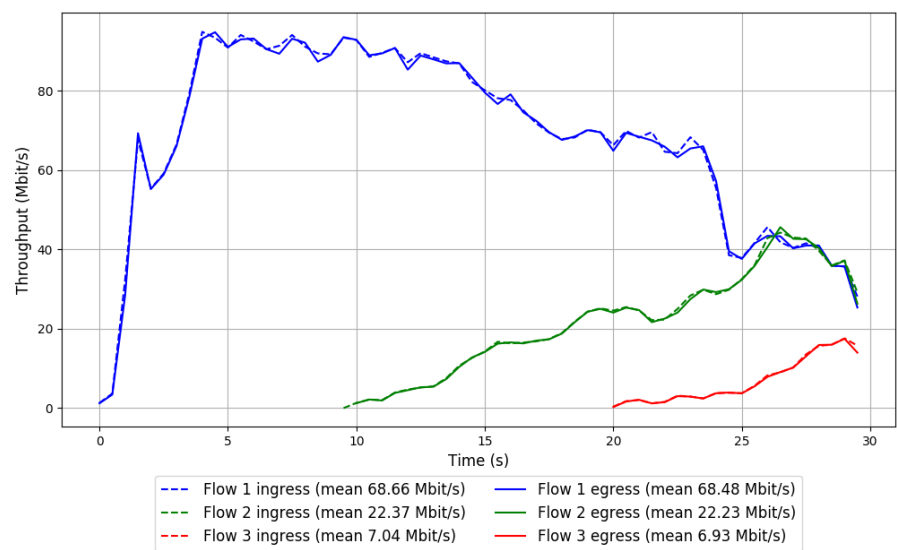


Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 14:48:33
End at: 2018-03-13 14:49:03
Local clock offset: 2.537 ms
Remote clock offset: -3.918 ms

Below is generated by plot.py at 2018-03-13 22:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 35.478 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 68.48 Mbit/s
95th percentile per-packet one-way delay: 34.674 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 38.418 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 37.473 ms
Loss rate: 2.13%

Run 2: Report of Vivace-latency — Data Link

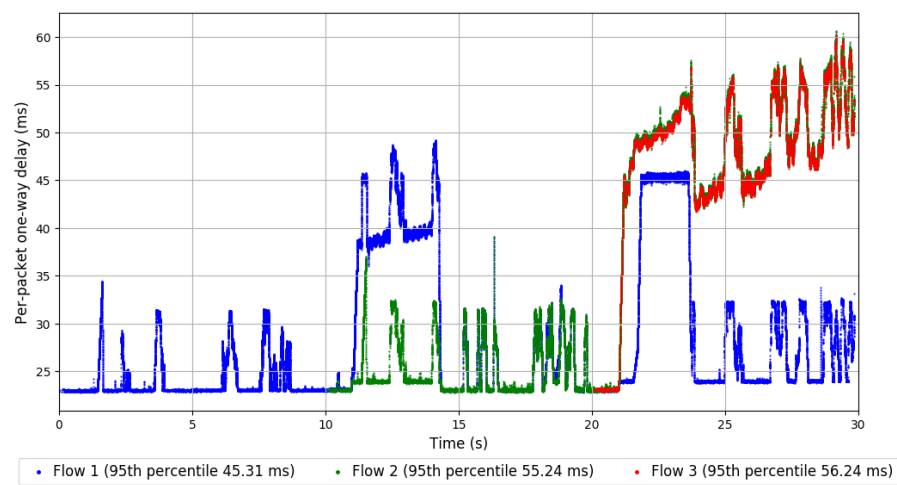
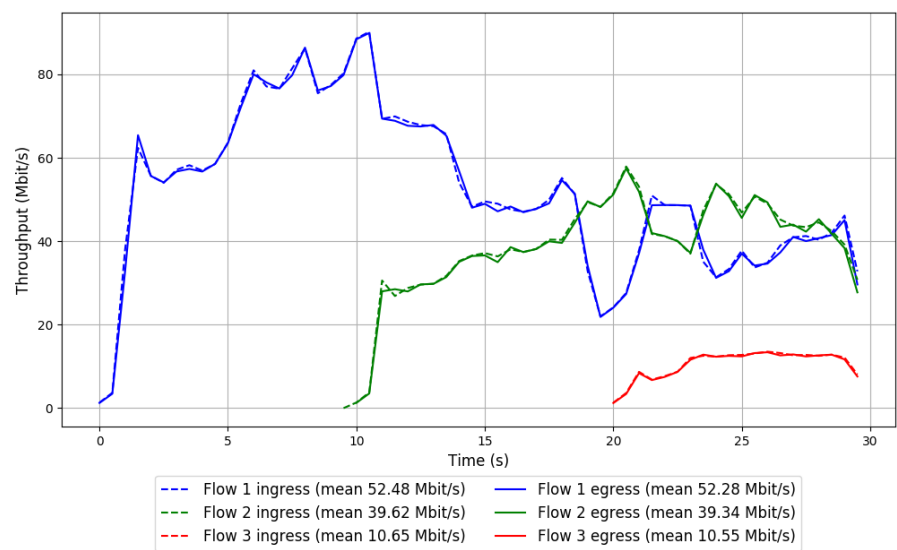


Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 15:13:17
End at: 2018-03-13 15:13:47
Local clock offset: 2.879 ms
Remote clock offset: -3.034 ms

Below is generated by plot.py at 2018-03-13 22:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.90 Mbit/s
95th percentile per-packet one-way delay: 52.391 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 52.28 Mbit/s
95th percentile per-packet one-way delay: 45.307 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 55.241 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 10.55 Mbit/s
95th percentile per-packet one-way delay: 56.245 ms
Loss rate: 1.53%

Run 3: Report of Vivace-latency — Data Link

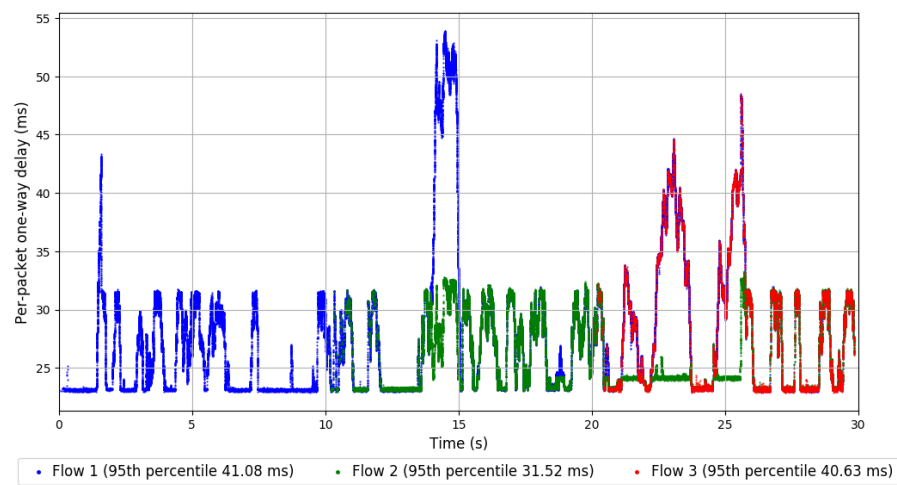
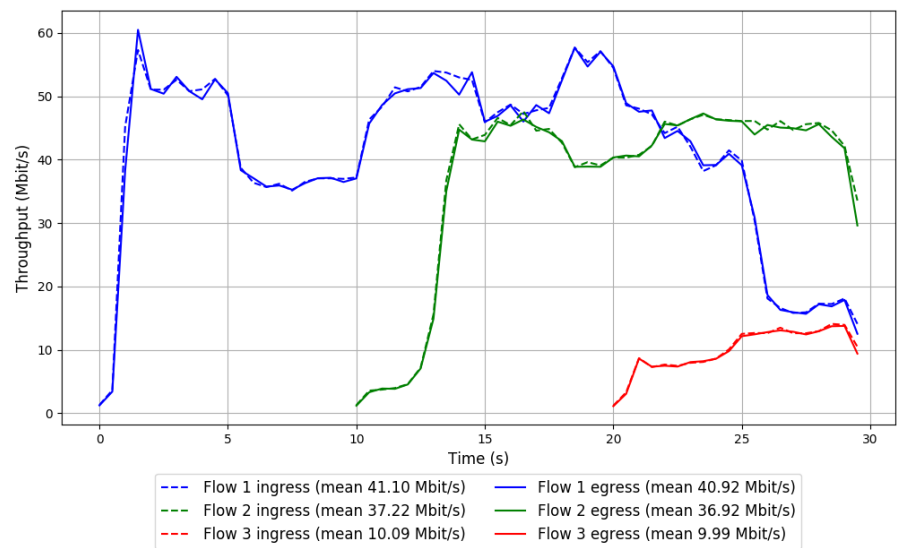


Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 15:38:11
End at: 2018-03-13 15:38:41
Local clock offset: 0.775 ms
Remote clock offset: -7.895 ms

Below is generated by plot.py at 2018-03-13 22:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.73 Mbit/s
95th percentile per-packet one-way delay: 37.801 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 41.081 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 31.524 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: 40.628 ms
Loss rate: 1.56%

Run 4: Report of Vivace-latency — Data Link

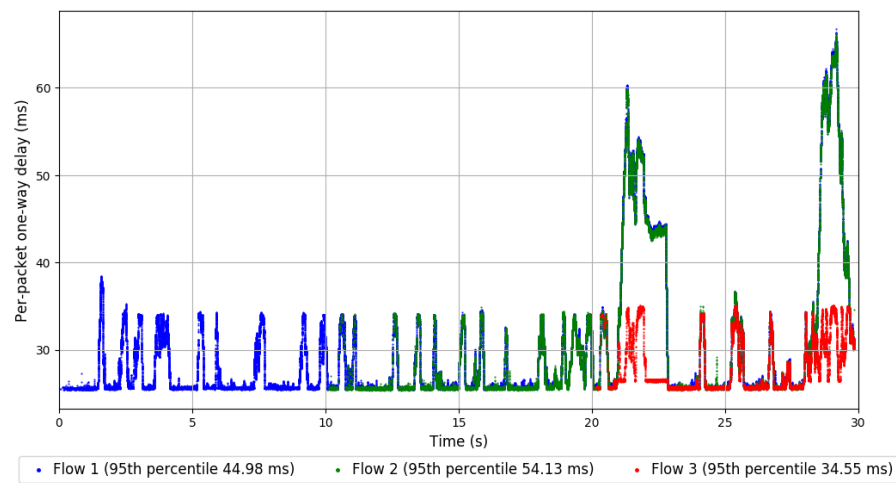
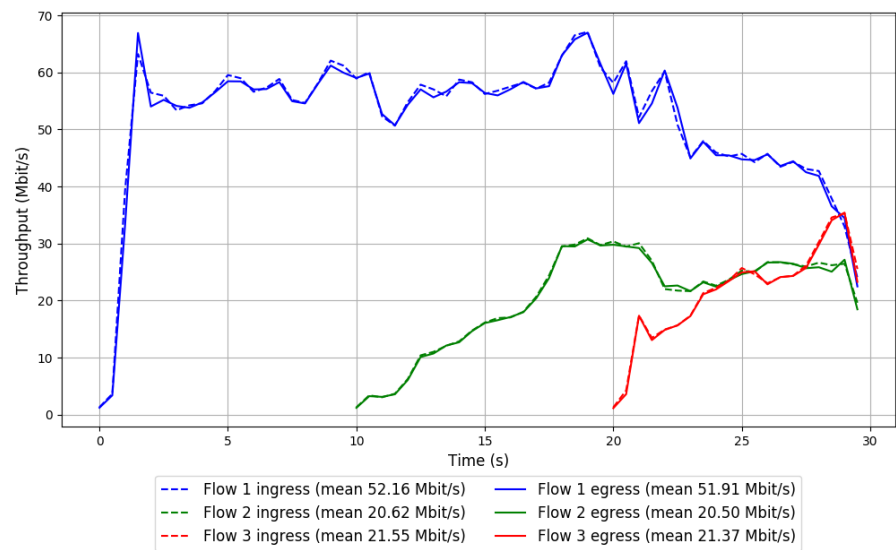


Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 16:05:53
End at: 2018-03-13 16:06:23
Local clock offset: 1.207 ms
Remote clock offset: -13.719 ms

Below is generated by plot.py at 2018-03-13 22:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 47.218 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 44.985 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 54.132 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 21.37 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 1.38%

Run 5: Report of Vivace-latency — Data Link

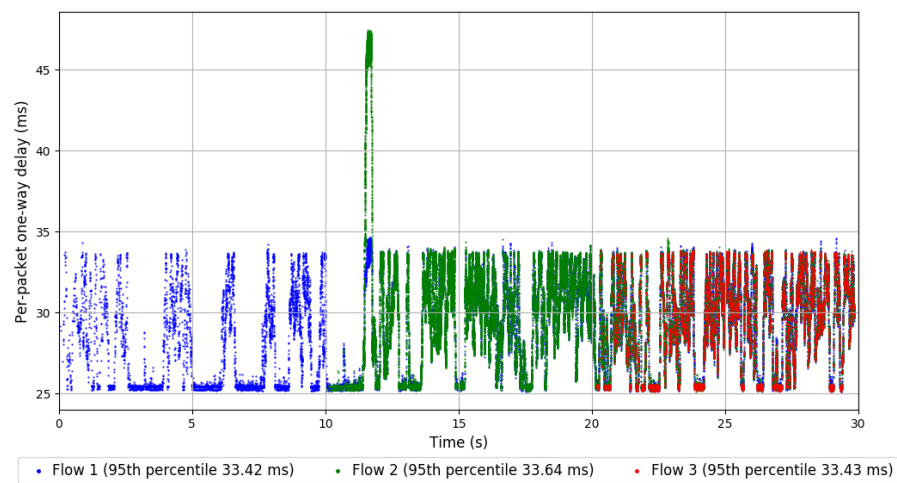
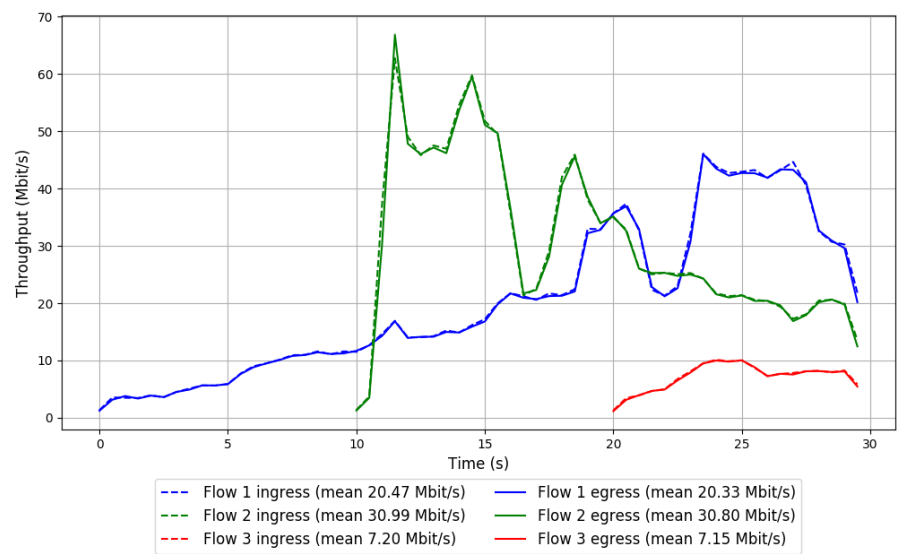


Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 16:30:49
End at: 2018-03-13 16:31:19
Local clock offset: 3.133 ms
Remote clock offset: -15.838 ms

Below is generated by plot.py at 2018-03-13 22:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 33.522 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 33.417 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 33.637 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 33.432 ms
Loss rate: 1.24%

Run 6: Report of Vivace-latency — Data Link

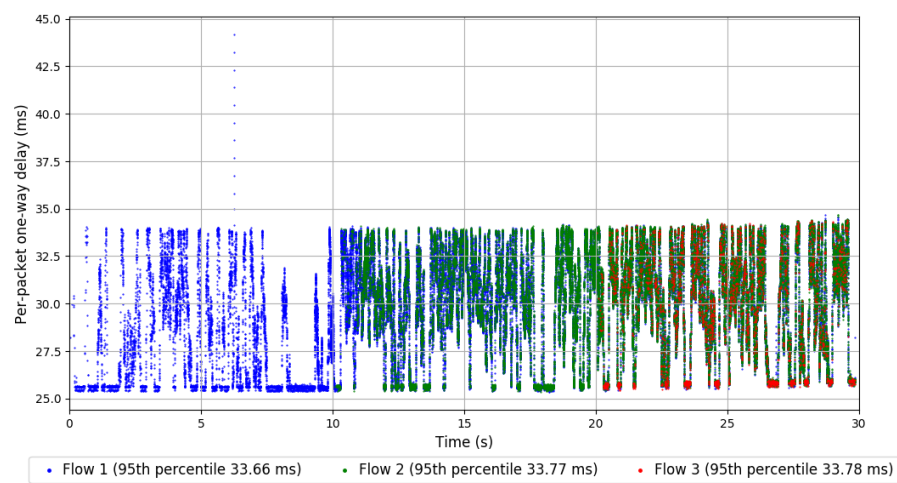
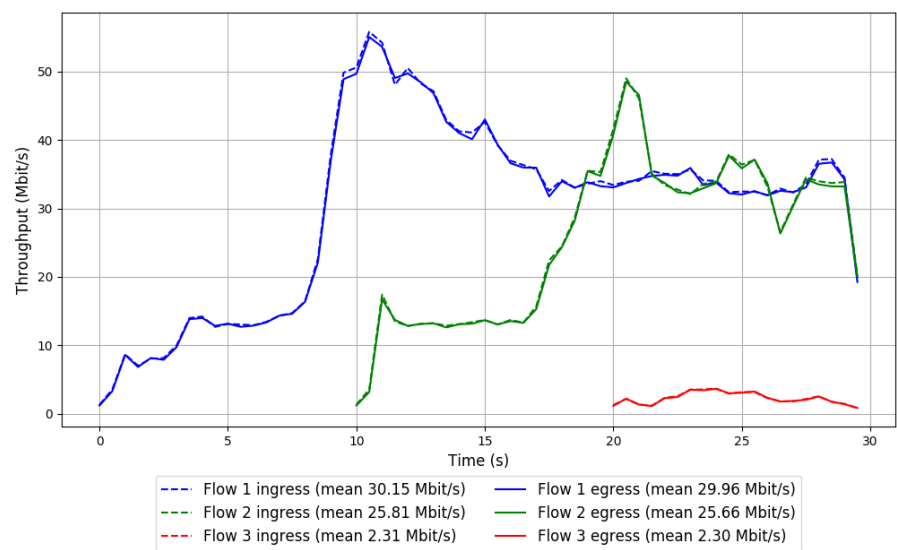


Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 16:58:28
End at: 2018-03-13 16:58:58
Local clock offset: 5.259 ms
Remote clock offset: -18.338 ms

```
# Below is generated by plot.py at 2018-03-13 22:57:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 33.662 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 33.772 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.781 ms
Loss rate: 1.09%
```

Run 7: Report of Vivace-latency — Data Link

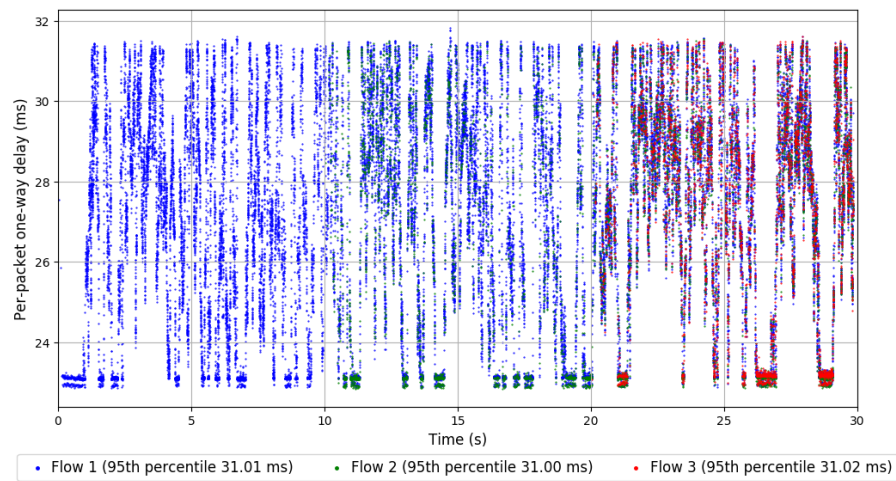
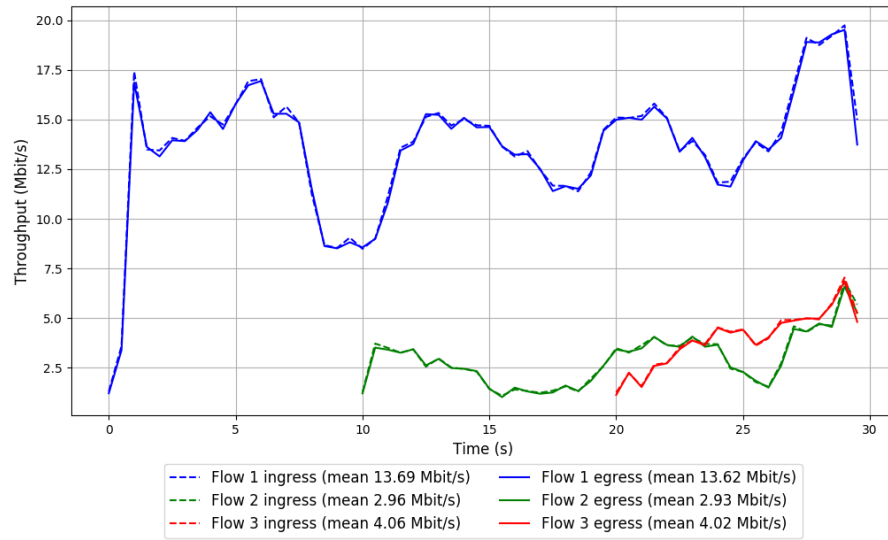


Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 17:26:36
End at: 2018-03-13 17:27:06
Local clock offset: 6.362 ms
Remote clock offset: -1.013 ms

Below is generated by plot.py at 2018-03-13 22:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 31.011 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 31.012 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 31.019 ms
Loss rate: 1.50%

Run 8: Report of Vivace-latency — Data Link

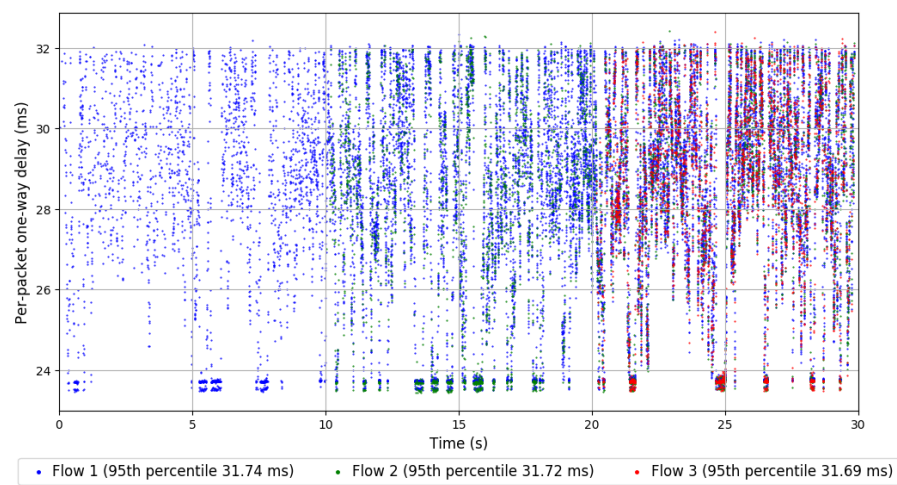
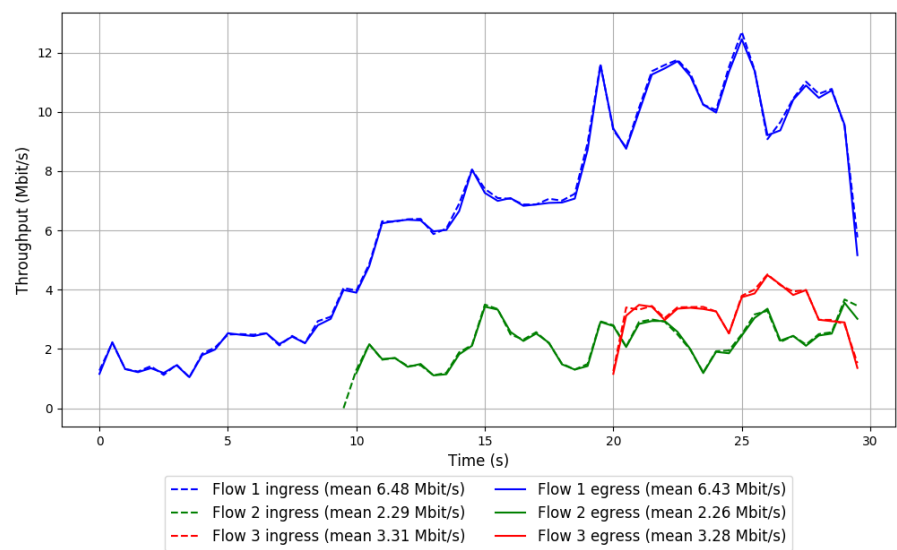


Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 17:53:25
End at: 2018-03-13 17:53:55
Local clock offset: -0.046 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-03-13 22:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 31.736 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 31.720 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 31.689 ms
Loss rate: 1.36%

Run 9: Report of Vivace-latency — Data Link

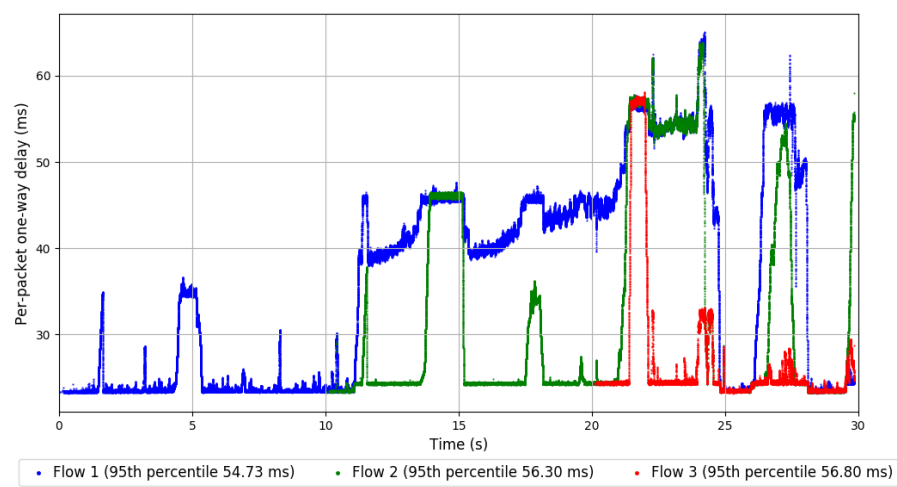
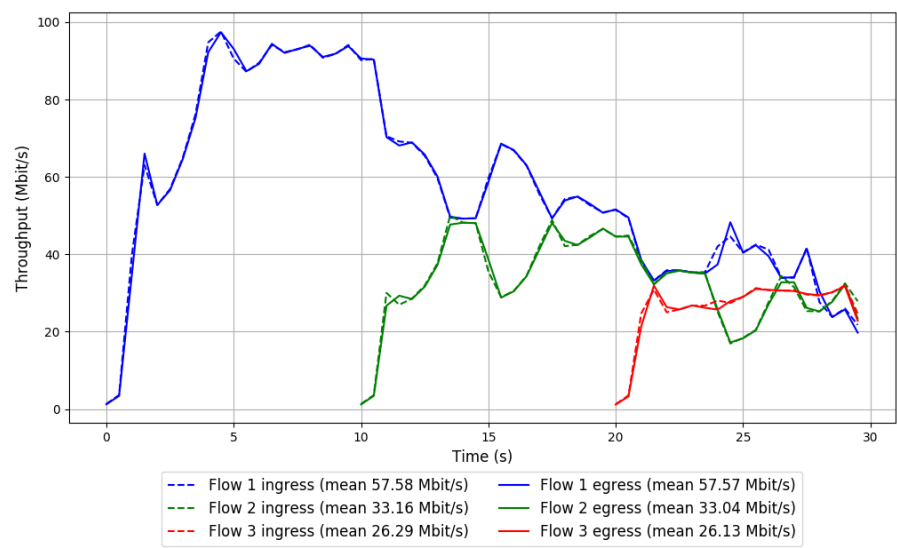


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 18:19:31
End at: 2018-03-13 18:20:01
Local clock offset: 1.288 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-03-13 22:58:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 55.012 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 54.735 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 56.303 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 56.803 ms
Loss rate: 1.14%

Run 10: Report of Vivace-latency — Data Link

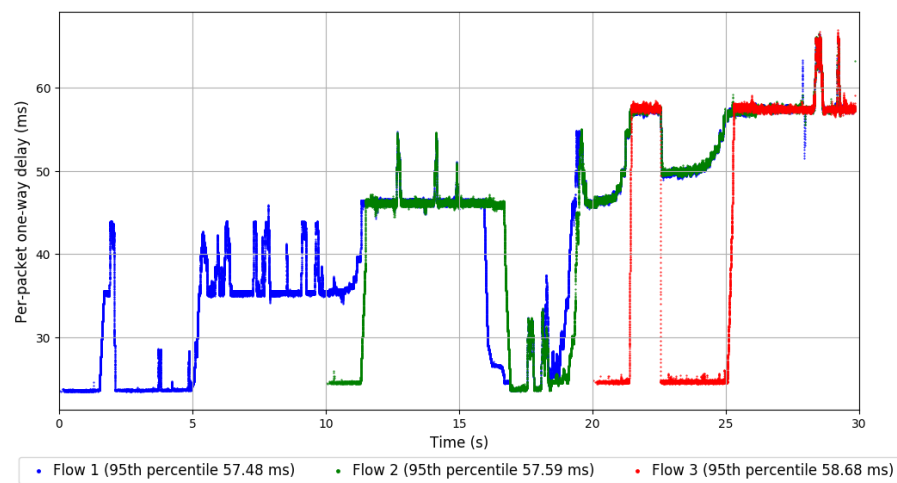
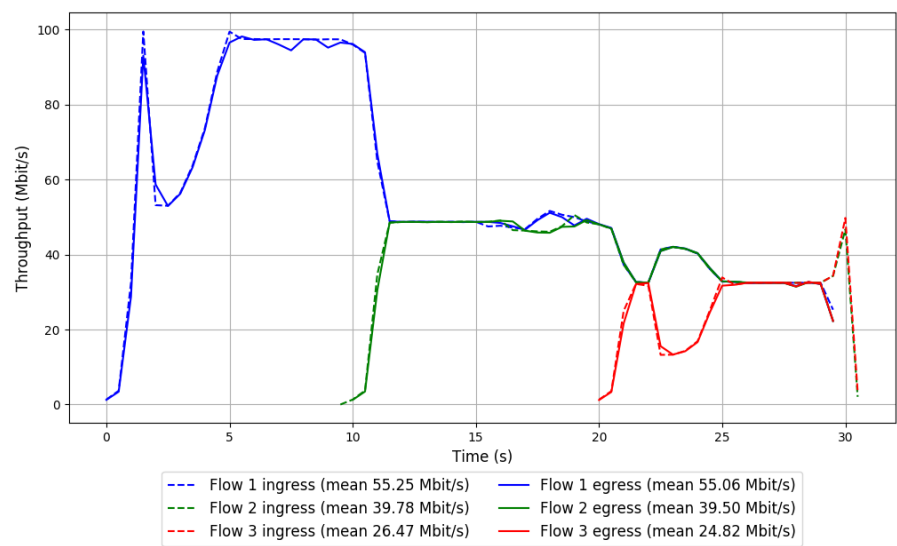


Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 14:18:09
End at: 2018-03-13 14:18:39
Local clock offset: 1.88 ms
Remote clock offset: -0.979 ms

Below is generated by plot.py at 2018-03-13 22:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 57.606 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 57.475 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 57.586 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 58.680 ms
Loss rate: 12.55%

Run 1: Report of Vivace-loss — Data Link

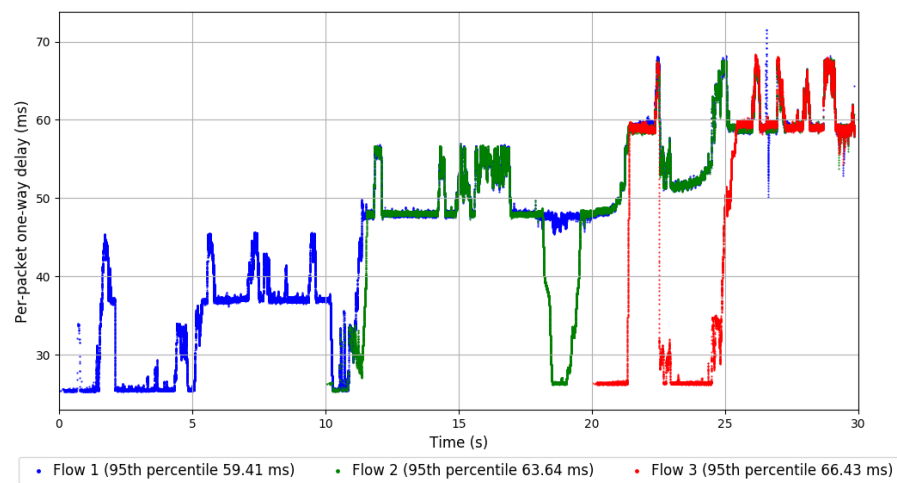
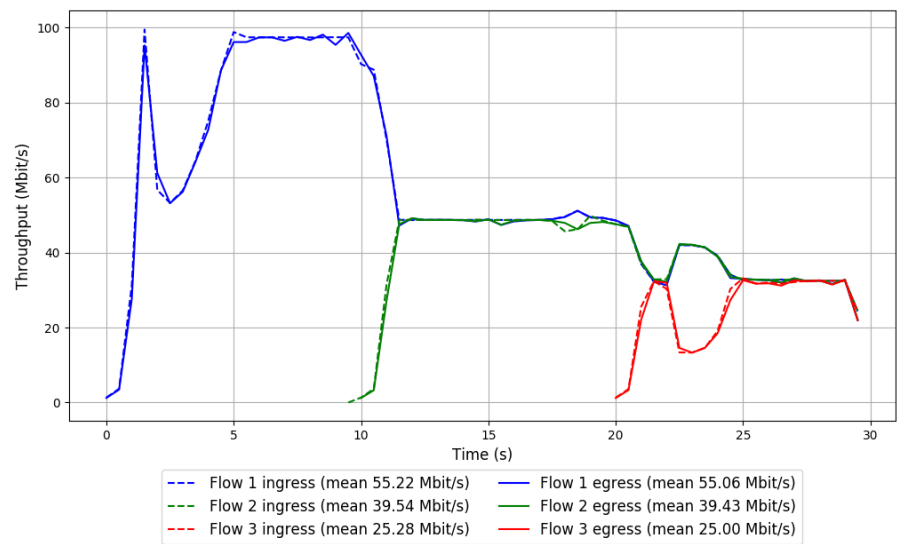


Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 14:43:01
End at: 2018-03-13 14:43:31
Local clock offset: 2.345 ms
Remote clock offset: -2.958 ms

Below is generated by plot.py at 2018-03-13 22:58:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 62.446 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 59.408 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 63.644 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 66.433 ms
Loss rate: 1.72%

Run 2: Report of Vivace-loss — Data Link

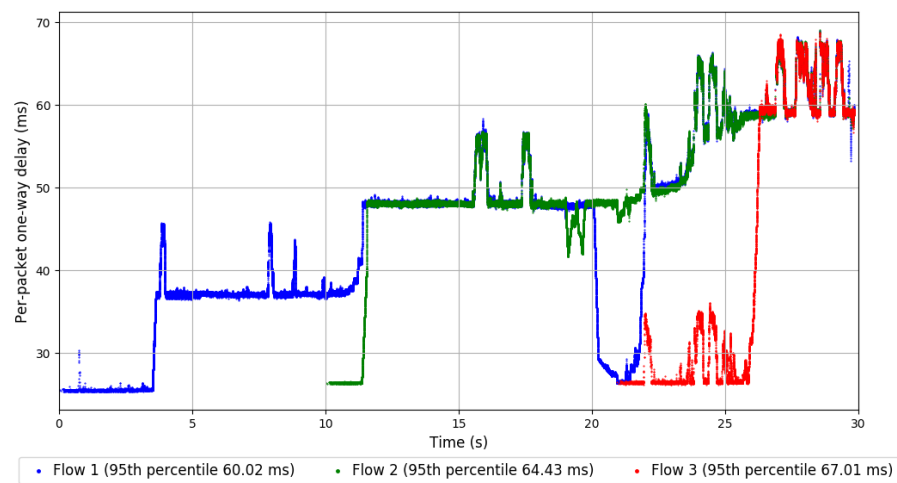
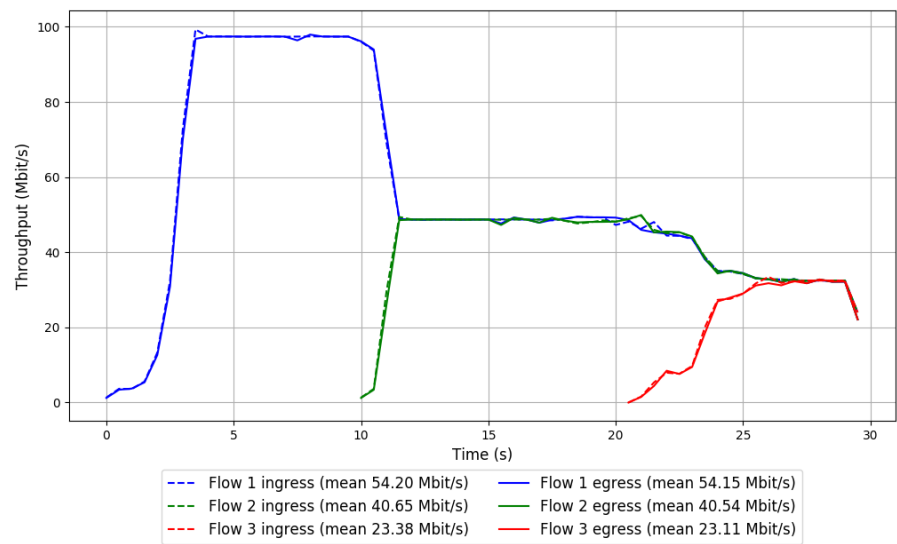


Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 15:07:43
End at: 2018-03-13 15:08:13
Local clock offset: 2.71 ms
Remote clock offset: -5.265 ms

Below is generated by plot.py at 2018-03-13 22:58:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 63.905 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 60.020 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 64.432 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 67.012 ms
Loss rate: 1.92%

Run 3: Report of Vivace-loss — Data Link

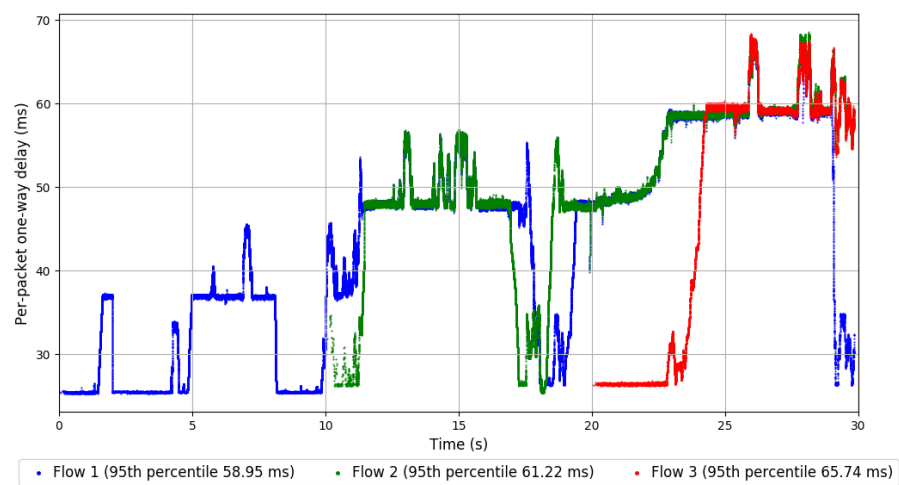
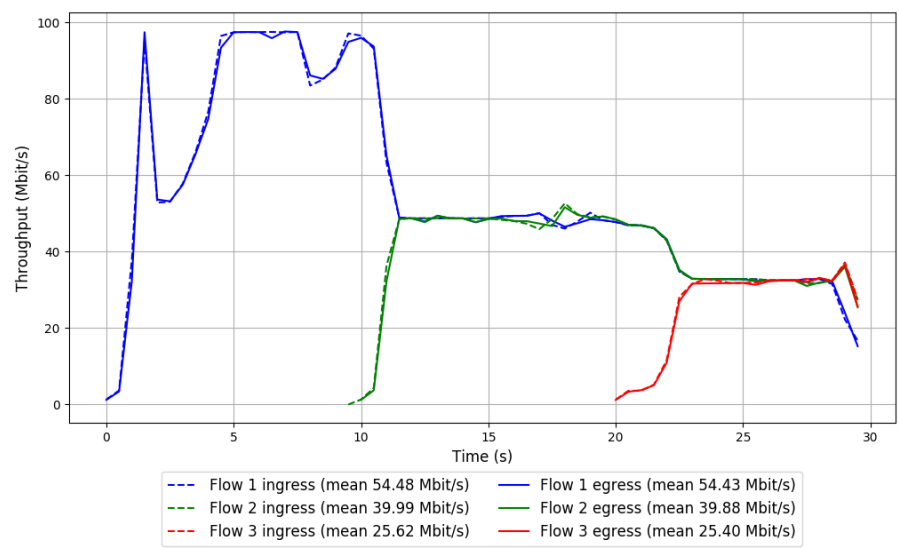


Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 15:32:43
End at: 2018-03-13 15:33:13
Local clock offset: 0.877 ms
Remote clock offset: -9.533 ms

Below is generated by plot.py at 2018-03-13 22:58:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 59.815 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 58.946 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 61.223 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 1.50%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 15:59:48

End at: 2018-03-13 16:00:18

Local clock offset: 1.113 ms

Remote clock offset: -11.073 ms

Below is generated by plot.py at 2018-03-13 22:58:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.07 Mbit/s

95th percentile per-packet one-way delay: 66.756 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 44.56 Mbit/s

95th percentile per-packet one-way delay: 57.068 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 54.041 ms

Loss rate: 2.70%

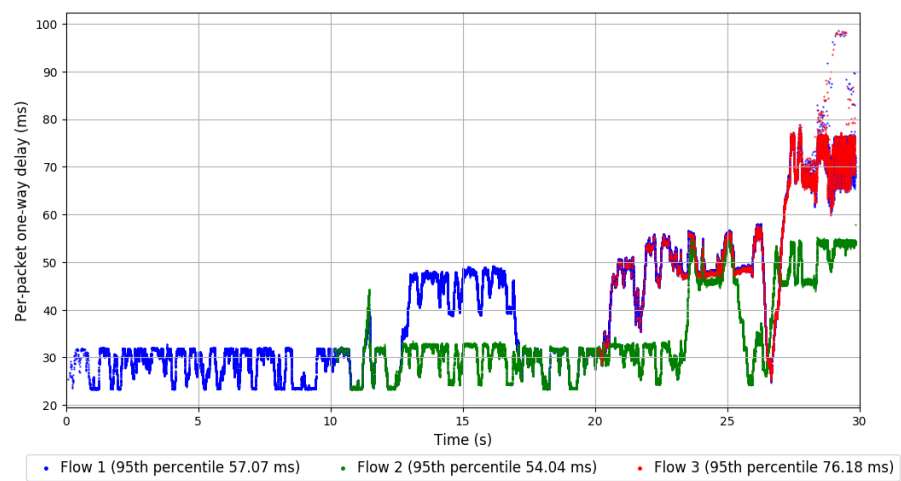
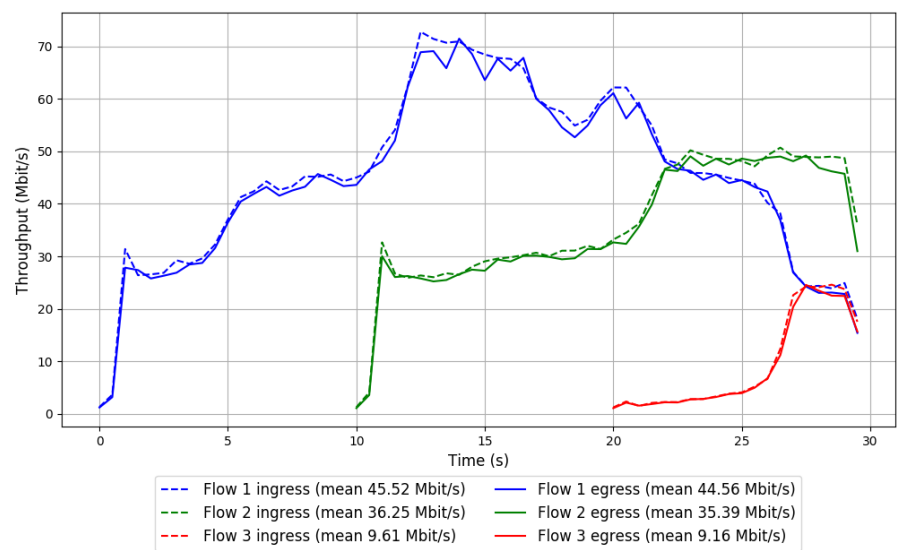
-- Flow 3:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 76.181 ms

Loss rate: 5.35%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 16:24:59

End at: 2018-03-13 16:25:29

Local clock offset: 2.02 ms

Remote clock offset: -13.238 ms

Below is generated by plot.py at 2018-03-13 22:58:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.30 Mbit/s

95th percentile per-packet one-way delay: 64.440 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 39.32 Mbit/s

95th percentile per-packet one-way delay: 63.898 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 38.70 Mbit/s

95th percentile per-packet one-way delay: 64.481 ms

Loss rate: 1.14%

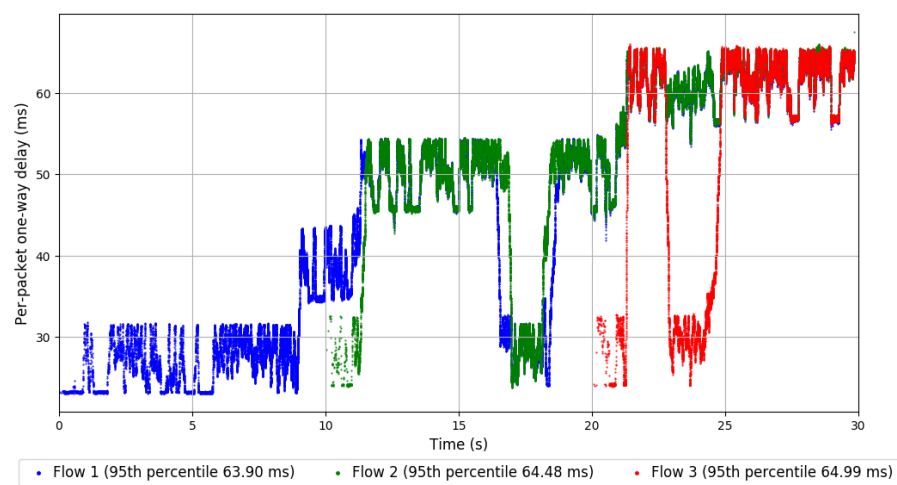
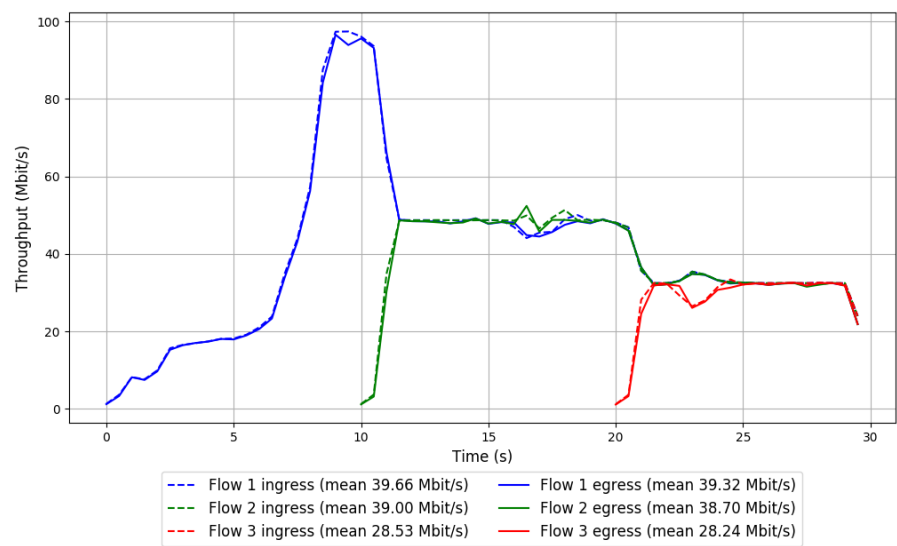
-- Flow 3:

Average throughput: 28.24 Mbit/s

95th percentile per-packet one-way delay: 64.987 ms

Loss rate: 1.75%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 16:52:21

End at: 2018-03-13 16:52:51

Local clock offset: 5.003 ms

Remote clock offset: -15.677 ms

Below is generated by plot.py at 2018-03-13 22:58:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.99 Mbit/s

95th percentile per-packet one-way delay: 71.512 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 49.05 Mbit/s

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

Loss rate: 1.10%

-- Flow 2:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 73.536 ms

Loss rate: 1.21%

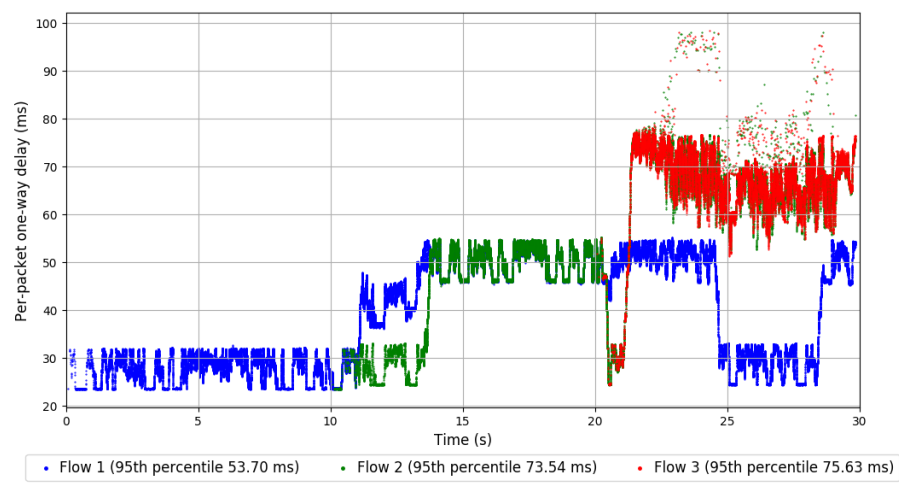
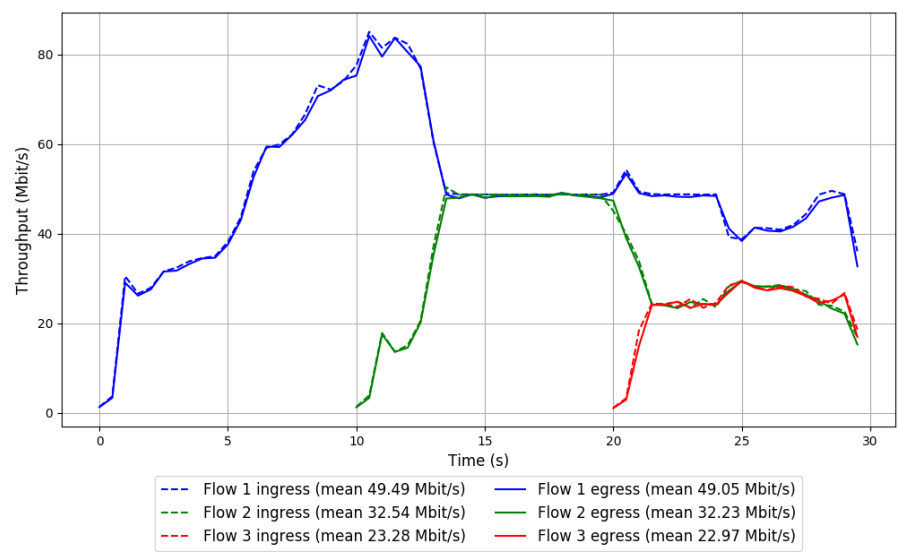
-- Flow 3:

Average throughput: 22.97 Mbit/s

95th percentile per-packet one-way delay: 75.631 ms

Loss rate: 2.15%

Run 7: Report of Vivace-loss — Data Link

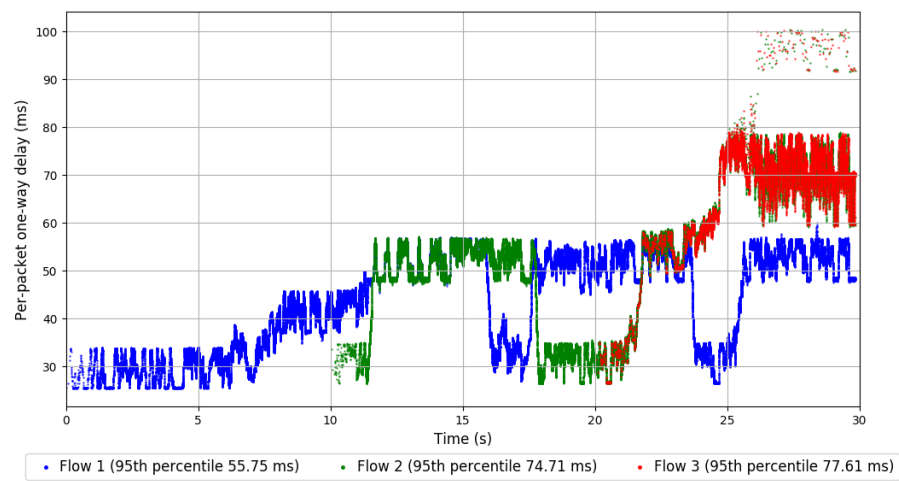
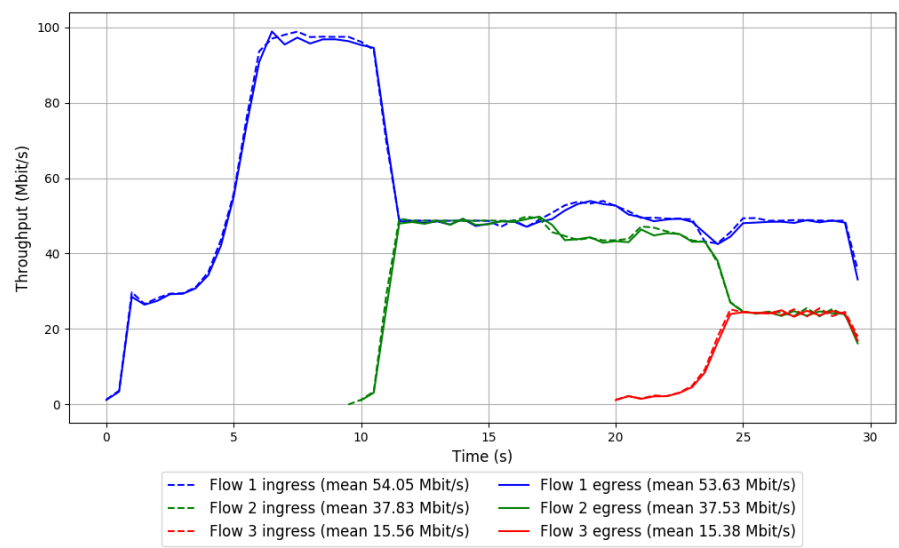


Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 17:20:22
End at: 2018-03-13 17:20:52
Local clock offset: 6.139 ms
Remote clock offset: -4.598 ms

Below is generated by plot.py at 2018-03-13 22:59:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.61 Mbit/s
95th percentile per-packet one-way delay: 72.720 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 55.749 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 74.714 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 77.607 ms
Loss rate: 2.00%

Run 8: Report of Vivace-loss — Data Link

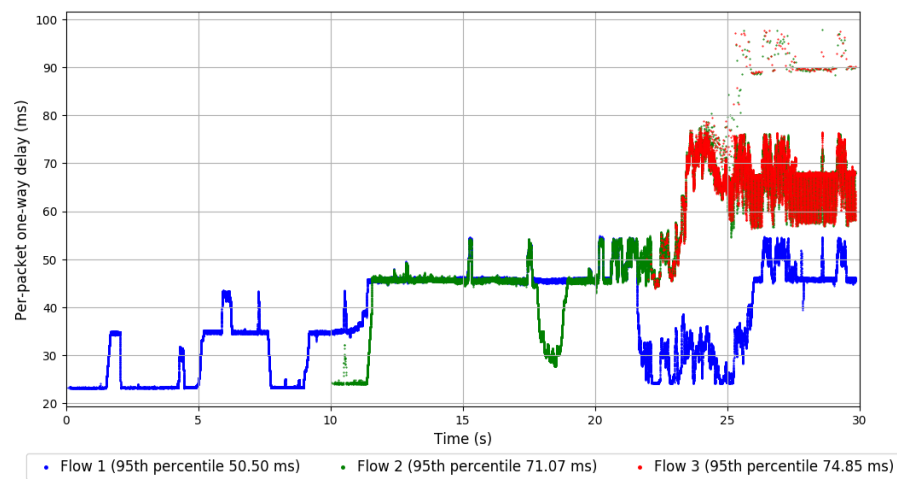
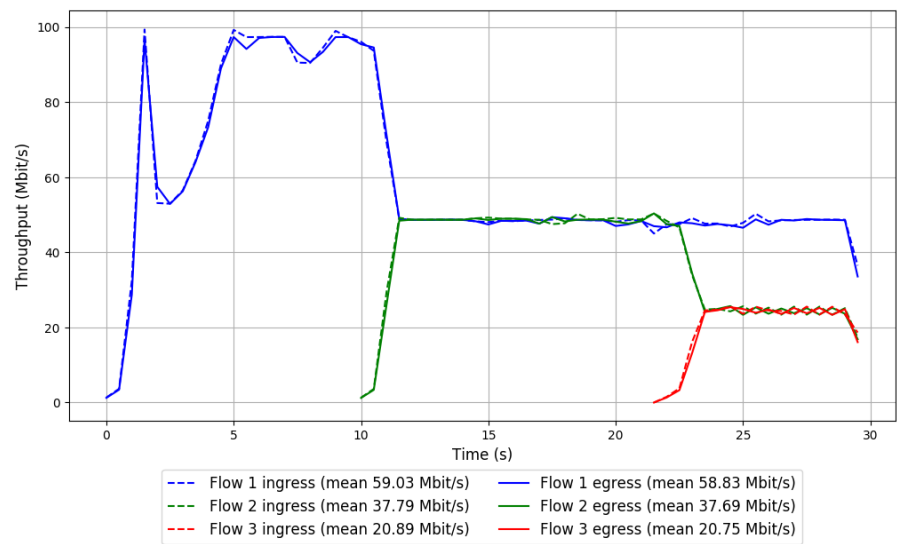


Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 17:47:36
End at: 2018-03-13 17:48:06
Local clock offset: 0.687 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-03-13 23:00:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 68.016 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 50.499 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 71.067 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 74.846 ms
Loss rate: 2.04%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 18:14:01

End at: 2018-03-13 18:14:31

Local clock offset: 0.9 ms

Remote clock offset: -2.2 ms

Below is generated by plot.py at 2018-03-13 23:00:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 58.227 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 57.023 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 39.89 Mbit/s

95th percentile per-packet one-way delay: 58.507 ms

Loss rate: 0.57%

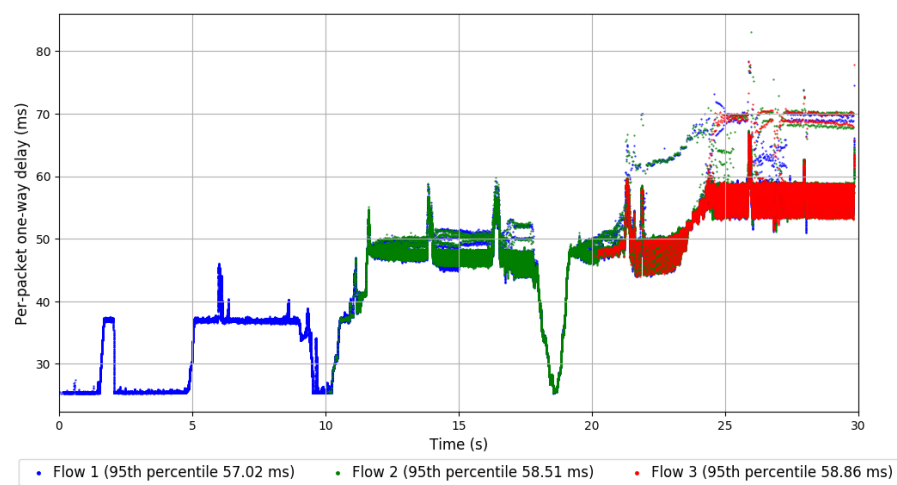
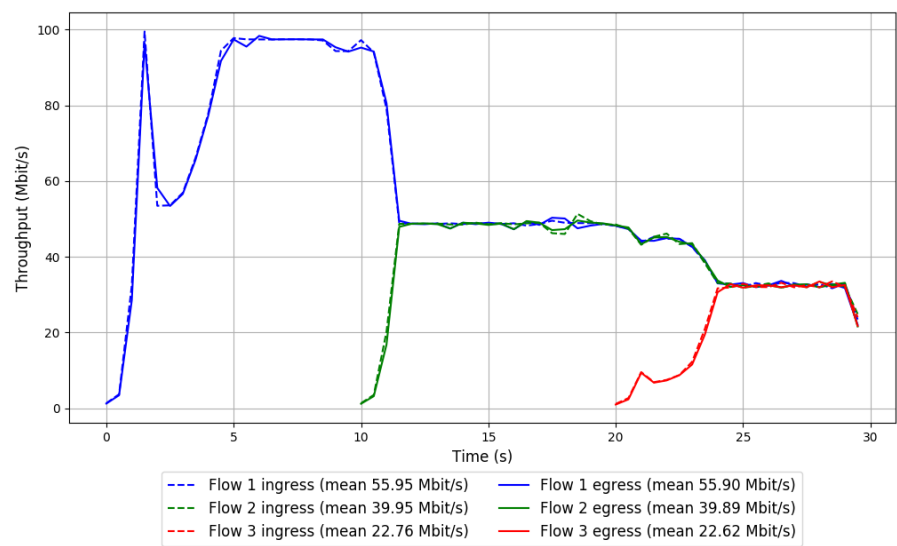
-- Flow 3:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 58.856 ms

Loss rate: 1.44%

Run 10: Report of Vivace-loss — Data Link

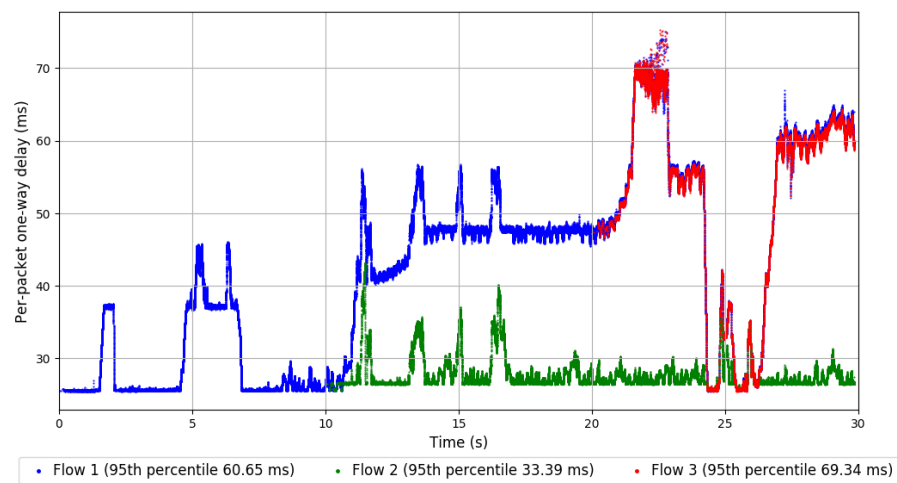
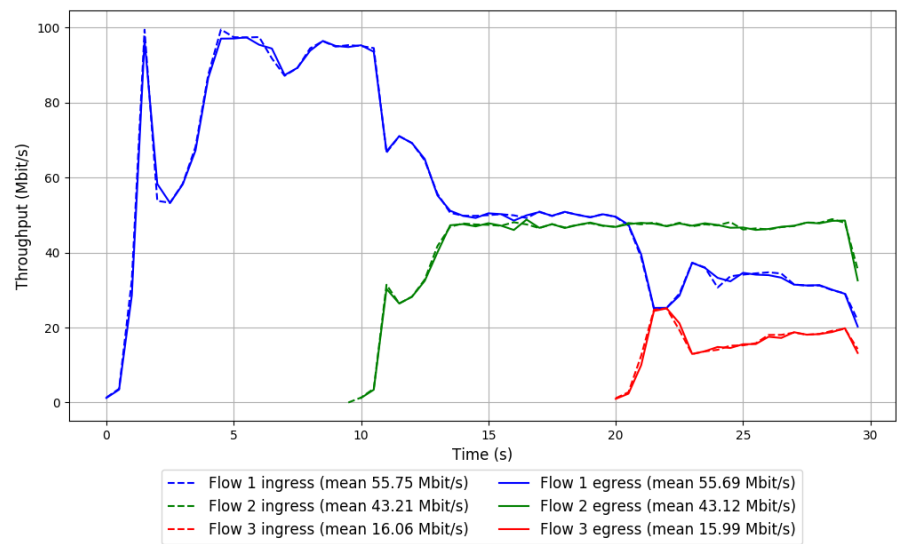


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 14:10:04
End at: 2018-03-13 14:10:34
Local clock offset: 1.372 ms
Remote clock offset: -3.034 ms

Below is generated by plot.py at 2018-03-13 23:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 60.917 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 55.69 Mbit/s
95th percentile per-packet one-way delay: 60.648 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 33.391 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 69.336 ms
Loss rate: 1.17%

Run 1: Report of Vivace-LTE — Data Link

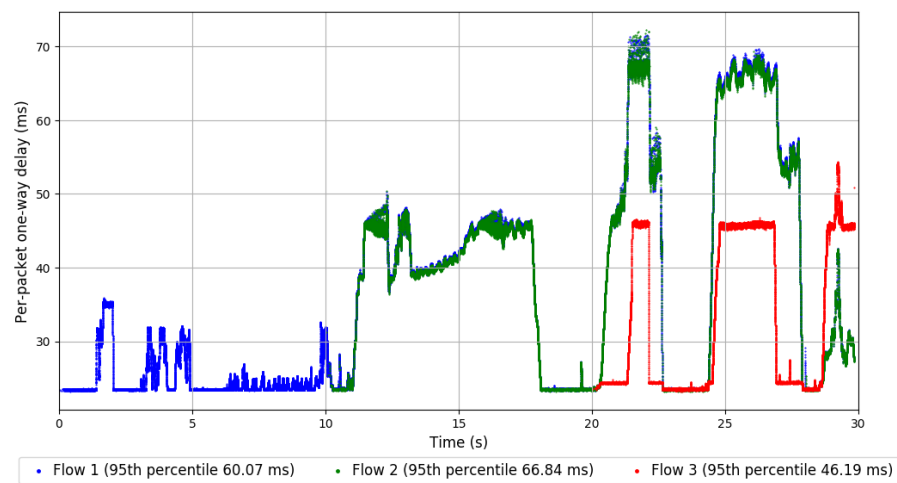
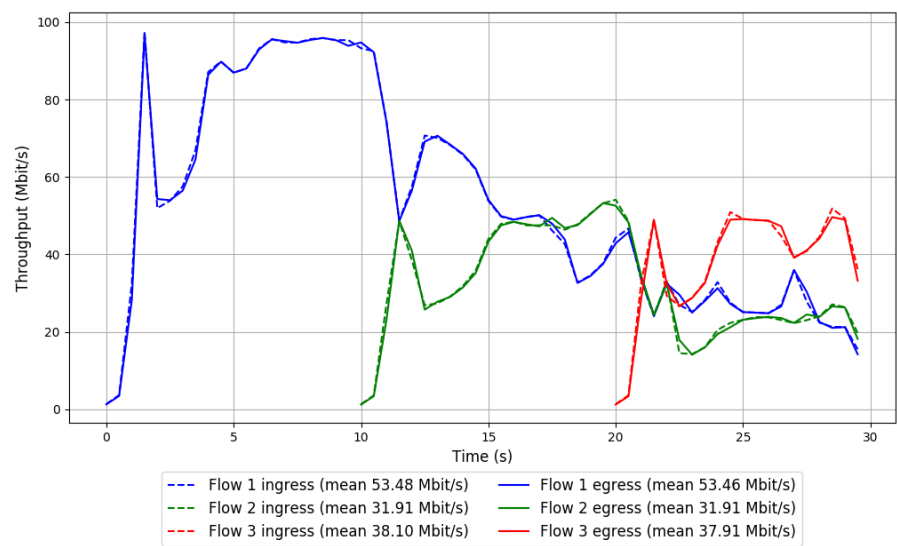


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 14:34:48
End at: 2018-03-13 14:35:18
Local clock offset: 2.225 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-03-13 23:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 64.963 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 60.072 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 66.838 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 46.187 ms
Loss rate: 1.05%

Run 2: Report of Vivace-LTE — Data Link

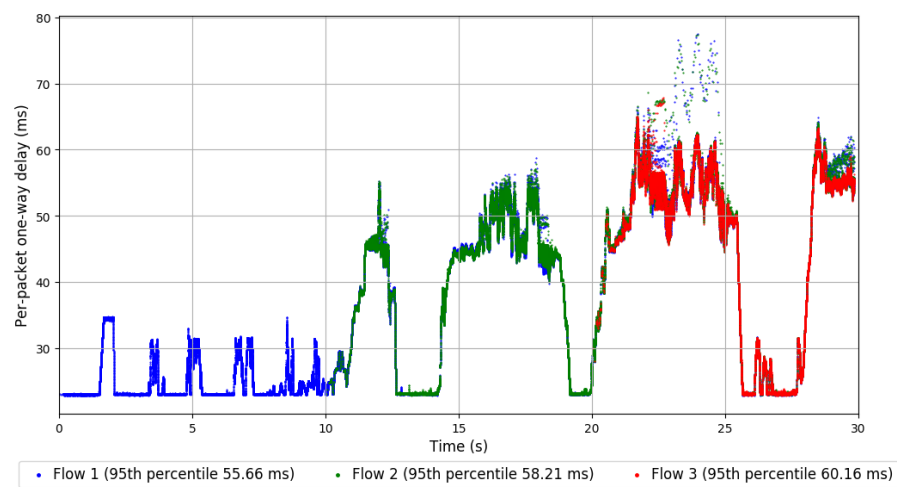
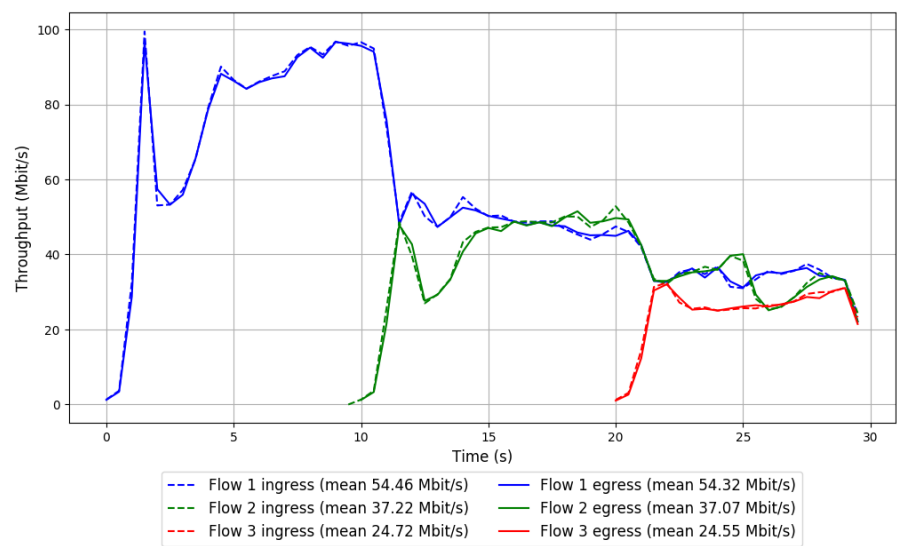


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 14:59:30
End at: 2018-03-13 15:00:00
Local clock offset: 2.699 ms
Remote clock offset: -2.342 ms

Below is generated by plot.py at 2018-03-13 23:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 57.308 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 55.657 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 58.213 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 60.158 ms
Loss rate: 1.26%

Run 3: Report of Vivace-LTE — Data Link

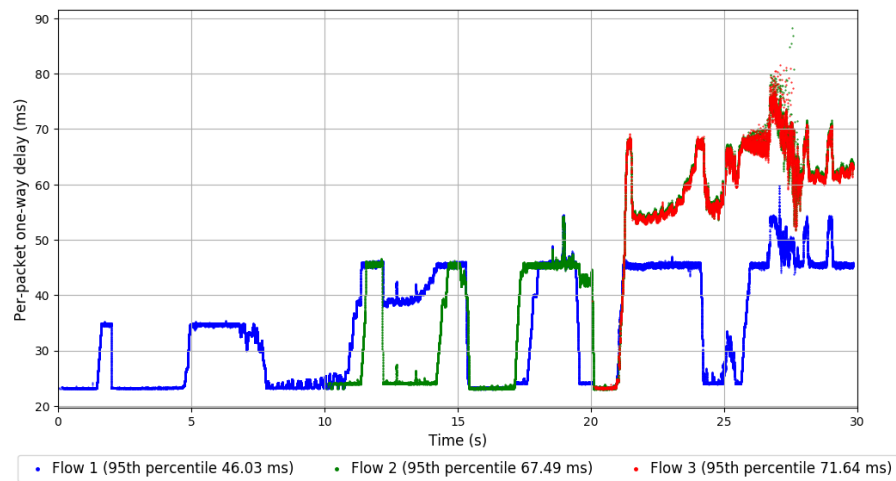
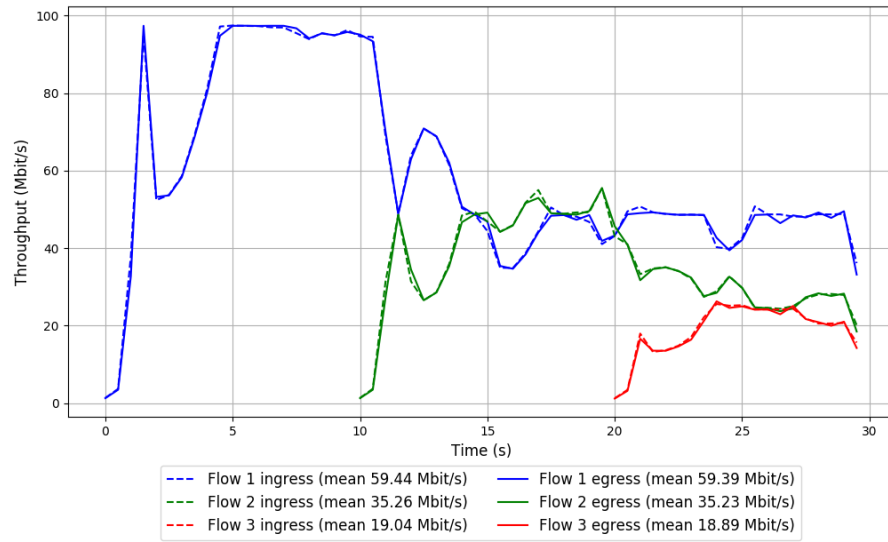


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 15:24:24
End at: 2018-03-13 15:24:54
Local clock offset: 1.479 ms
Remote clock offset: -5.613 ms

```
# Below is generated by plot.py at 2018-03-13 23:00:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 65.909 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 46.030 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 67.488 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 71.635 ms
Loss rate: 1.46%
```

Run 4: Report of Vivace-LTE — Data Link

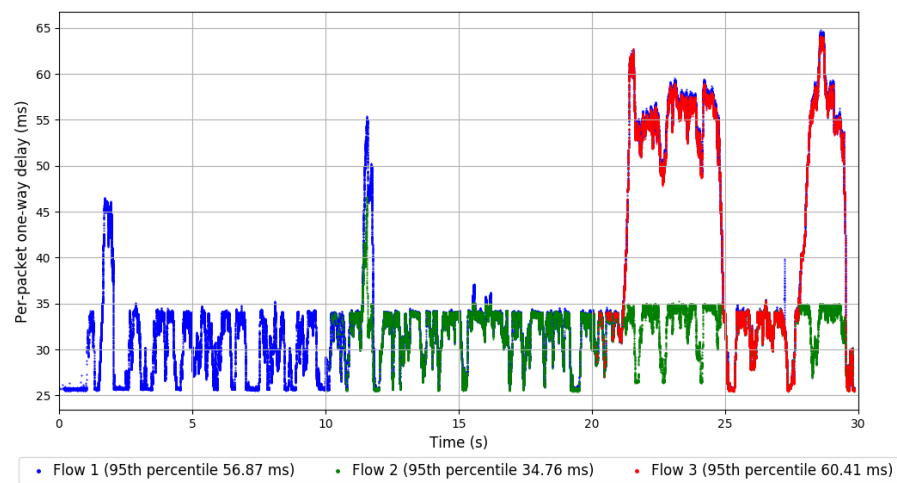
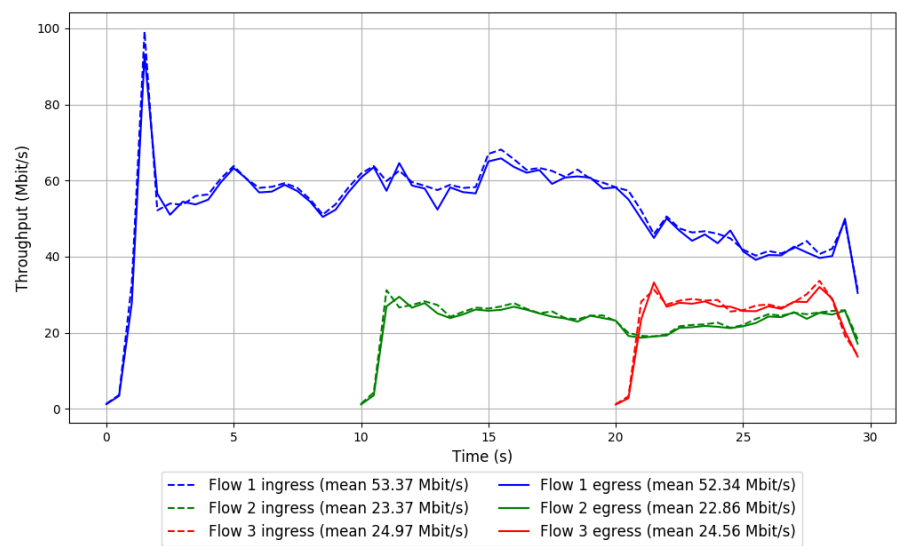


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 15:50:15
End at: 2018-03-13 15:50:45
Local clock offset: 0.682 ms
Remote clock offset: -12.143 ms

Below is generated by plot.py at 2018-03-13 23:00:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 57.088 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 52.34 Mbit/s
95th percentile per-packet one-way delay: 56.874 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 34.764 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 60.410 ms
Loss rate: 2.27%

Run 5: Report of Vivace-LTE — Data Link

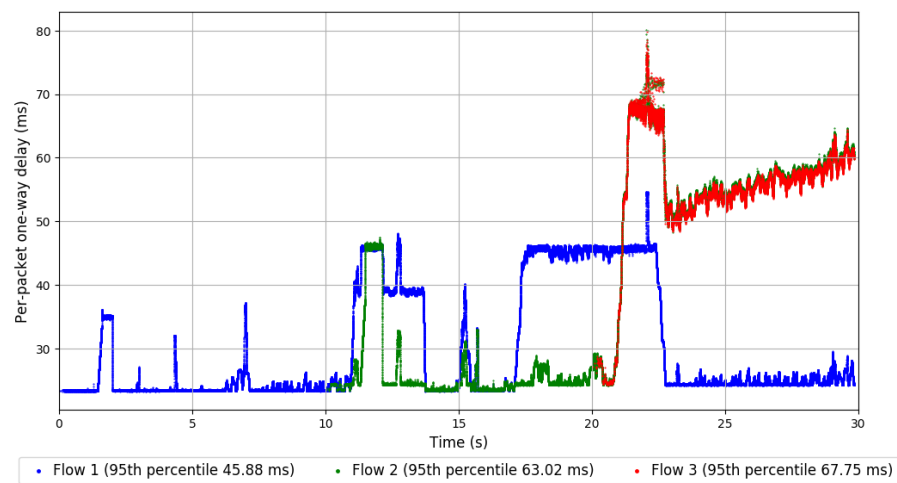
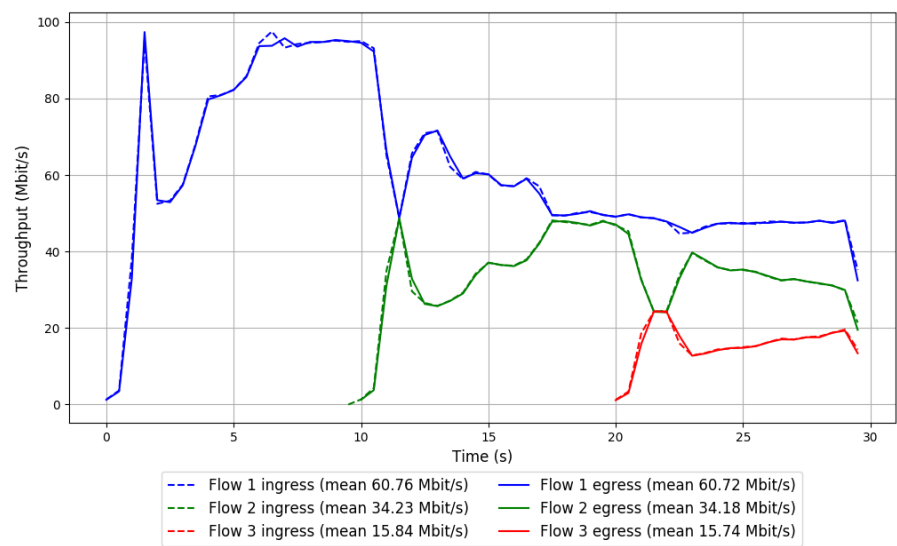


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 16:16:49
End at: 2018-03-13 16:17:19
Local clock offset: 1.16 ms
Remote clock offset: -12.65 ms

Below is generated by plot.py at 2018-03-13 23:00:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 58.226 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 60.72 Mbit/s
95th percentile per-packet one-way delay: 45.881 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 67.747 ms
Loss rate: 1.19%

Run 6: Report of Vivace-LTE — Data Link

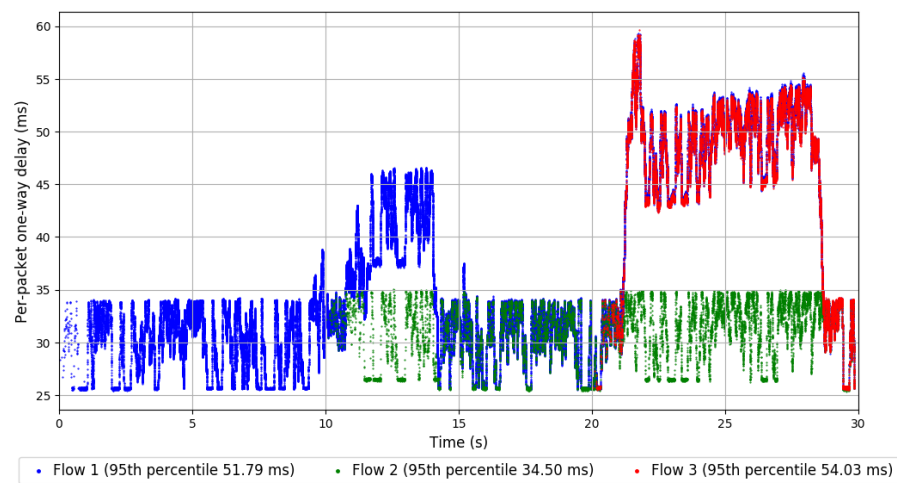
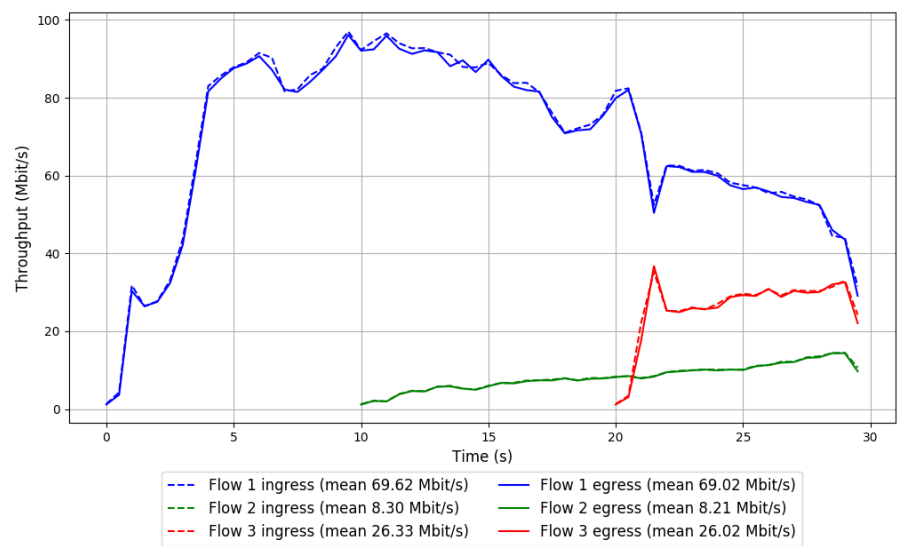


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 16:42:45
End at: 2018-03-13 16:43:15
Local clock offset: 4.433 ms
Remote clock offset: -16.915 ms

Below is generated by plot.py at 2018-03-13 23:00:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 52.261 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 69.02 Mbit/s
95th percentile per-packet one-way delay: 51.786 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 34.496 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 54.028 ms
Loss rate: 1.70%

Run 7: Report of Vivace-LTE — Data Link

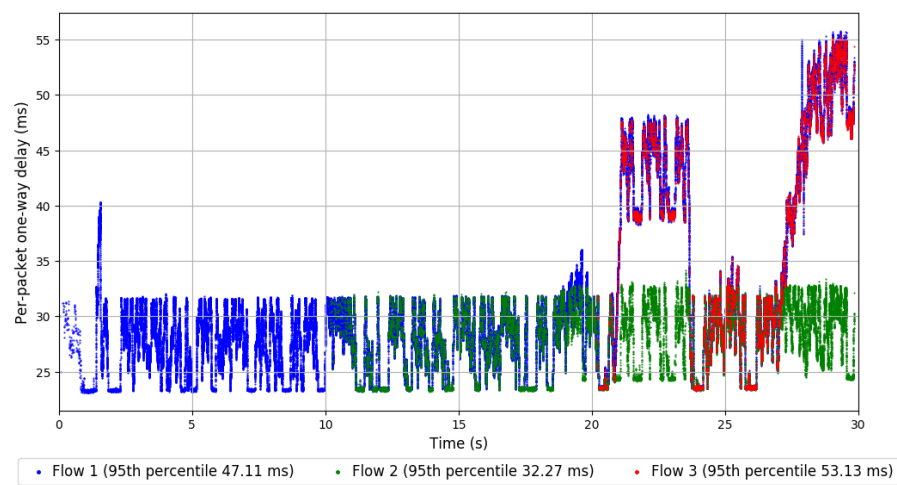
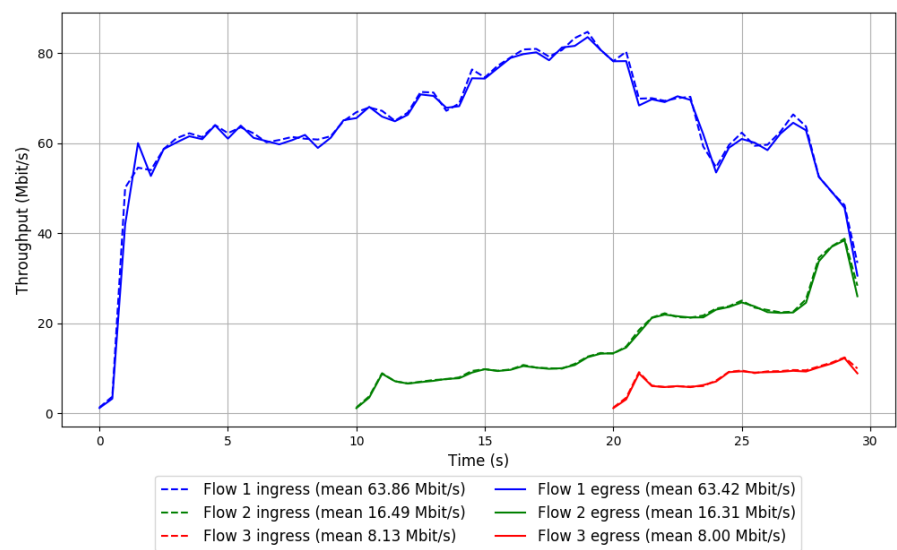


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 17:11:00
End at: 2018-03-13 17:11:30
Local clock offset: 5.774 ms
Remote clock offset: -5.195 ms

Below is generated by plot.py at 2018-03-13 23:00:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.88 Mbit/s
95th percentile per-packet one-way delay: 47.110 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 47.110 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 32.266 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 53.135 ms
Loss rate: 2.18%

Run 8: Report of Vivace-LTE — Data Link

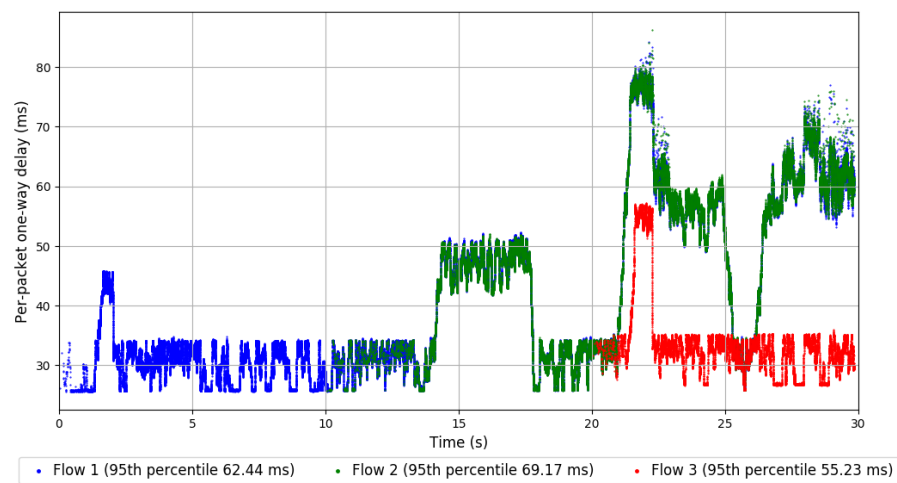
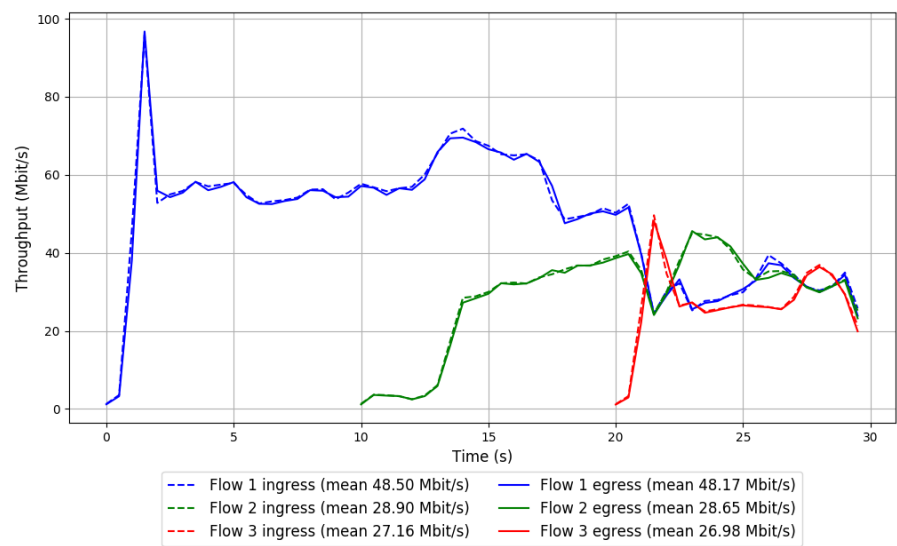


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 17:38:22
End at: 2018-03-13 17:38:52
Local clock offset: 2.655 ms
Remote clock offset: -2.881 ms

Below is generated by plot.py at 2018-03-13 23:00:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.07 Mbit/s
95th percentile per-packet one-way delay: 63.824 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 48.17 Mbit/s
95th percentile per-packet one-way delay: 62.444 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 69.171 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 55.232 ms
Loss rate: 1.25%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 18:05:43

End at: 2018-03-13 18:06:13

Local clock offset: -0.775 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-03-13 23:00:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 57.701 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 36.482 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 39.25 Mbit/s

95th percentile per-packet one-way delay: 58.753 ms

Loss rate: 0.99%

-- Flow 3:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 59.333 ms

Loss rate: 1.67%

Run 10: Report of Vivace-LTE — Data Link

