

Pantheon Report

Generated at 2017-11-16 14:54:50 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

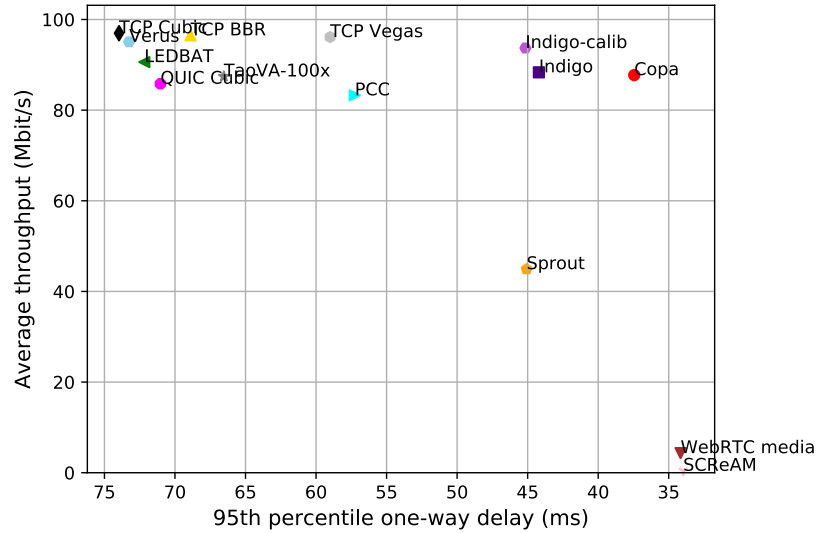
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

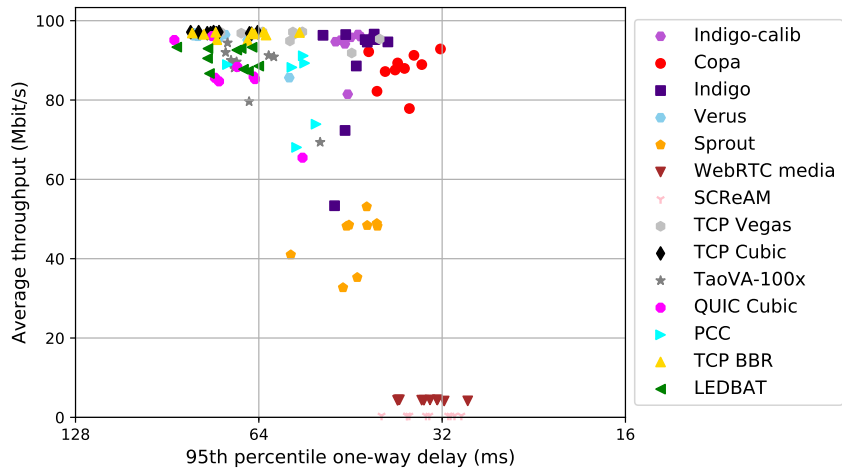
Git summary:

```
branch: indigos @ f54f2953f2a9765c9ffa988d13de5a9471790eb0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



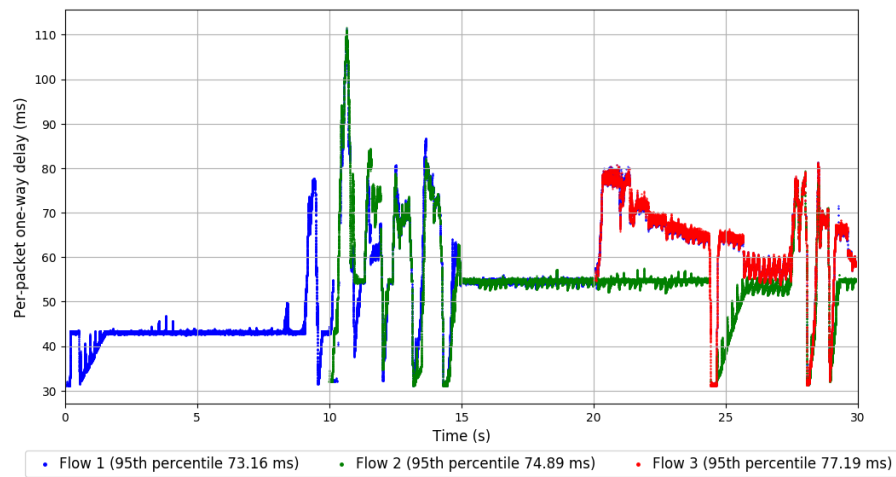
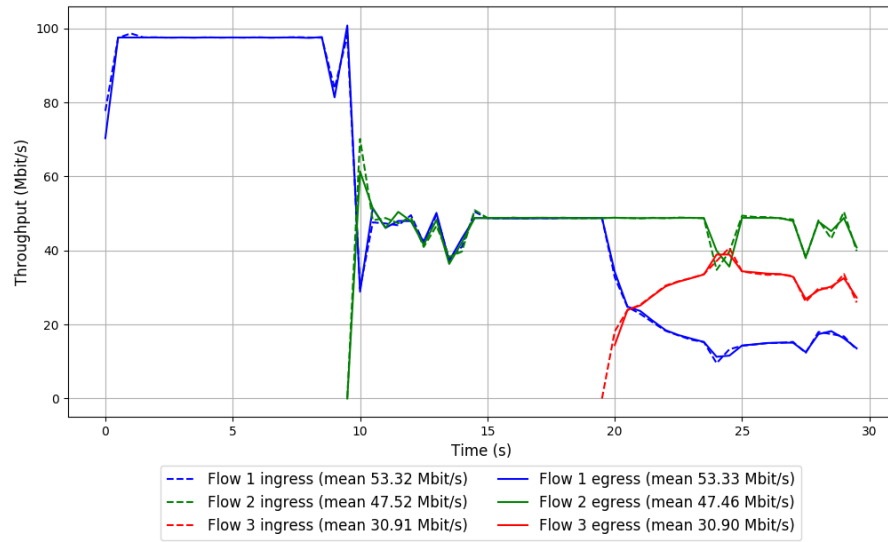
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.89	40.24	29.58	63.32	68.81	73.34	0.12	0.25	0.63
TCP Cubic	10	60.80	40.82	30.19	67.40	72.62	75.68	0.12	0.26	0.91
LEDBAT	10	55.18	36.35	33.34	71.60	72.92	67.33	0.16	0.33	0.75
PCC	6	52.71	38.26	15.51	53.91	52.72	48.90	0.09	0.19	0.33
QUIC Cubic	8	46.26	41.71	32.05	63.98	68.65	72.51	0.12	0.31	0.80
SCReAM	10	0.21	0.21	0.22	33.88	34.12	33.05	0.07	0.12	0.18
WebRTC media	10	2.29	1.44	0.63	34.02	34.26	34.40	0.09	0.19	0.64
Sprout	9	22.39	22.16	21.90	44.38	45.25	45.84	0.12	0.14	0.30
TaoVA-100x	10	54.04	37.51	32.79	59.87	63.77	67.08	0.25	0.91	0.72
TCP Vegas	10	62.54	36.94	30.57	58.62	52.16	57.67	0.12	0.15	0.58
Verus	10	59.52	40.49	26.07	62.66	70.17	76.23	0.19	0.27	0.66
Copa	10	55.16	36.77	31.62	37.31	37.54	38.74	0.05	0.13	0.38
Indigo	10	54.24	34.36	34.54	45.13	44.89	42.42	0.09	0.13	0.36
Indigo-calib	8	57.95	36.02	33.23	44.41	48.60	48.66	0.08	0.14	0.36

Run 1: Statistics of TCP BBR

Start at: 2017-11-16 07:22:01
End at: 2017-11-16 07:22:31
Local clock offset: 2.367 ms
Remote clock offset: -17.649 ms

Below is generated by plot.py at 2017-11-16 14:34:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 75.022 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.33 Mbit/s
95th percentile per-packet one-way delay: 73.162 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 47.46 Mbit/s
95th percentile per-packet one-way delay: 74.887 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 77.185 ms
Loss rate: 0.49%

Run 1: Report of TCP BBR — Data Link

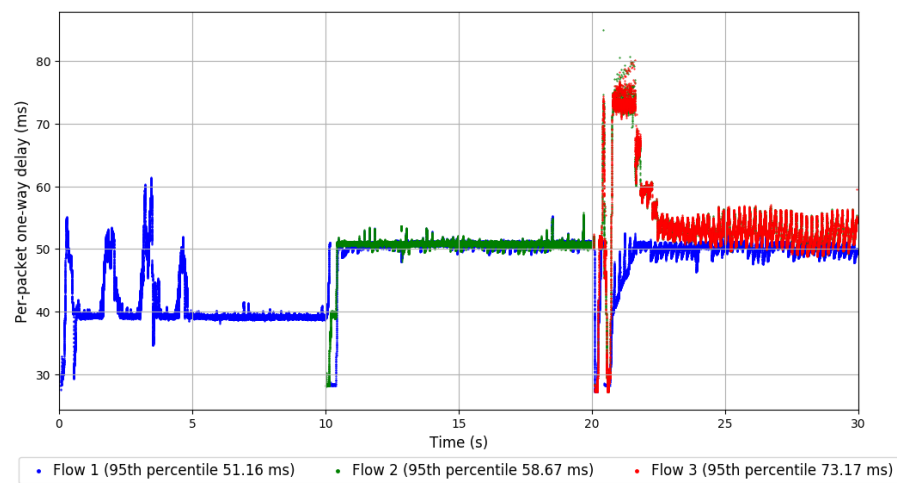
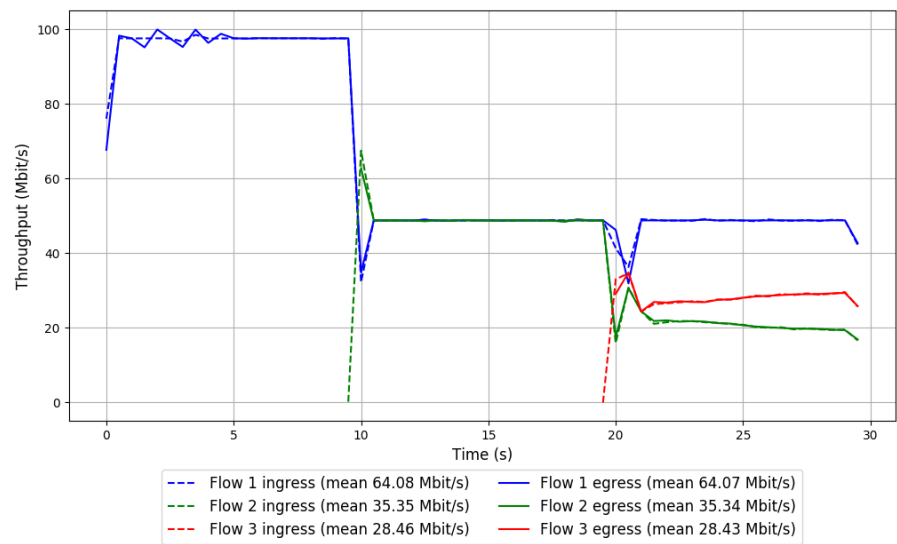


Run 2: Statistics of TCP BBR

Start at: 2017-11-16 07:42:14
End at: 2017-11-16 07:42:44
Local clock offset: -1.564 ms
Remote clock offset: -17.082 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 54.871 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 51.163 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 58.672 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 73.170 ms
Loss rate: 0.53%

Run 2: Report of TCP BBR — Data Link

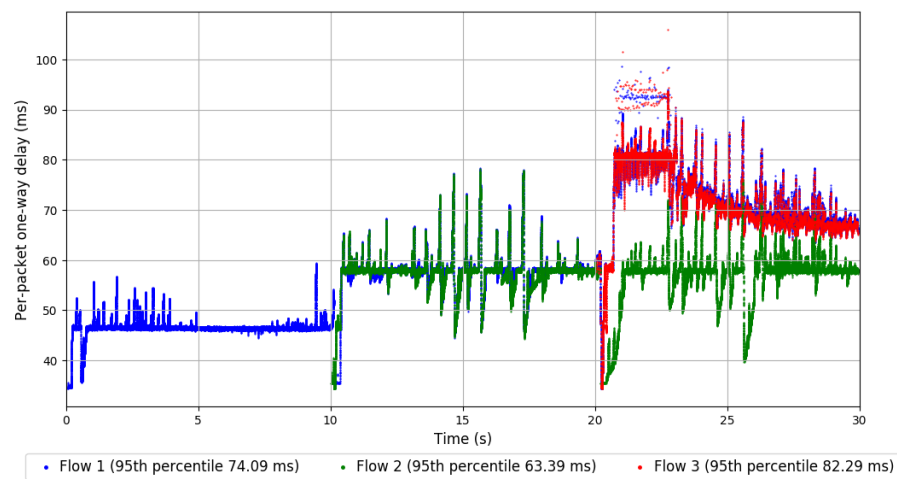
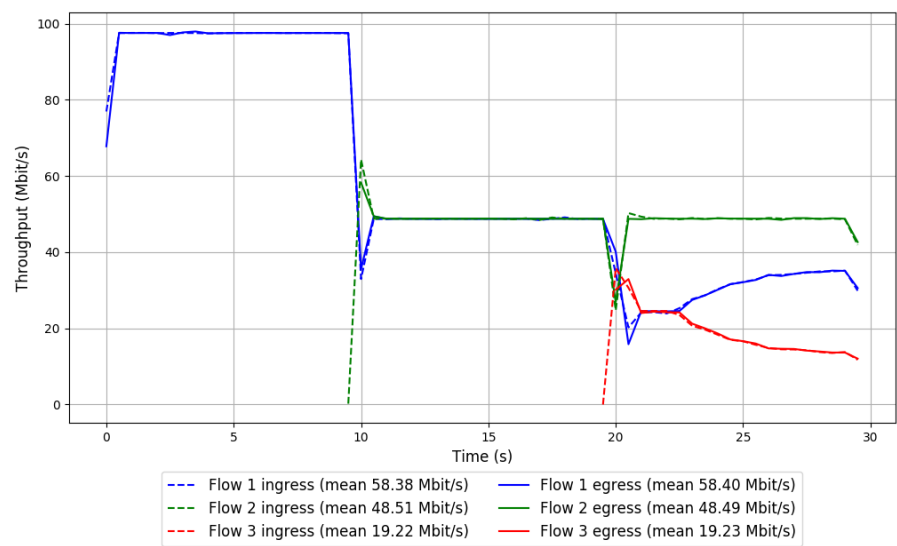


Run 3: Statistics of TCP BBR

Start at: 2017-11-16 08:04:39
End at: 2017-11-16 08:05:09
Local clock offset: -0.06 ms
Remote clock offset: -21.684 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 75.343 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 74.093 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 63.387 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 82.287 ms
Loss rate: 0.40%

Run 3: Report of TCP BBR — Data Link

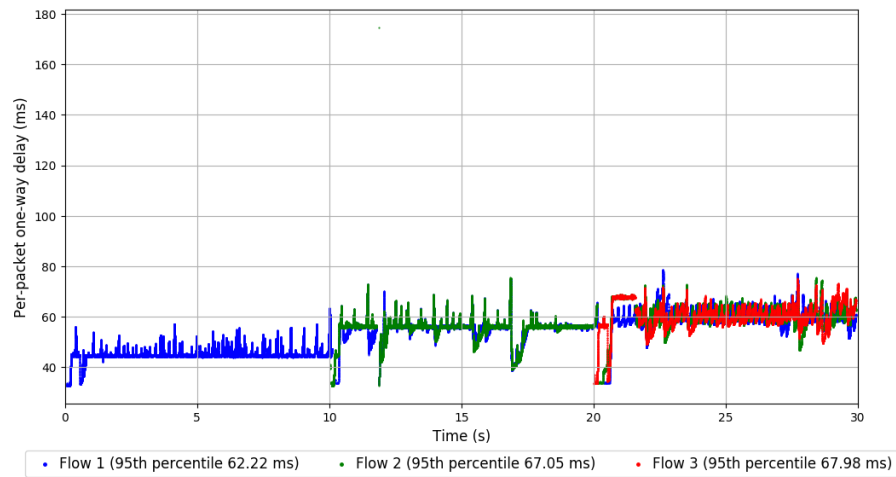
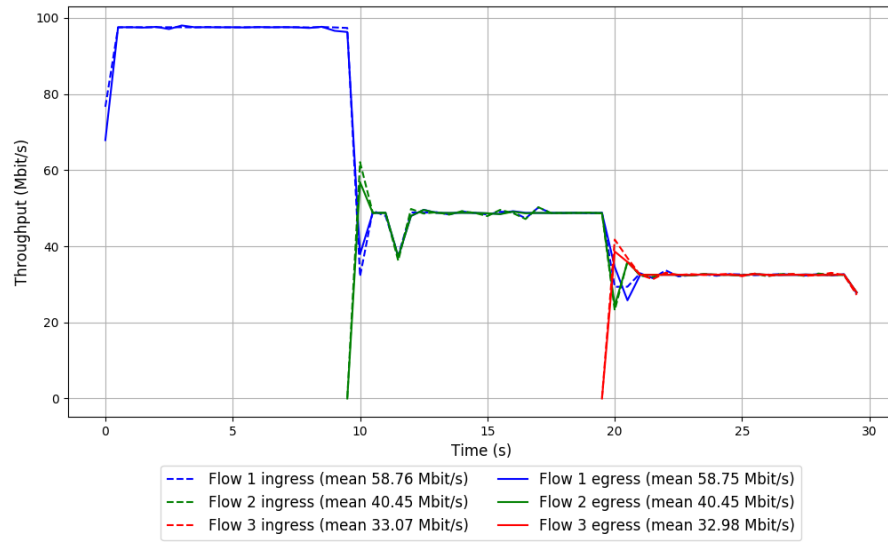


Run 4: Statistics of TCP BBR

Start at: 2017-11-16 08:31:45
End at: 2017-11-16 08:32:15
Local clock offset: 1.272 ms
Remote clock offset: -19.709 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 65.048 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 62.220 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 67.047 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 0.53%

Run 4: Report of TCP BBR — Data Link

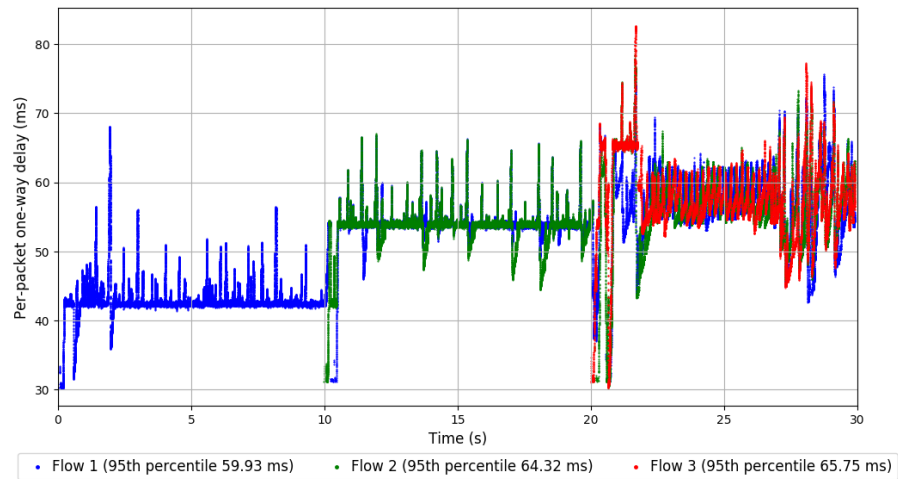
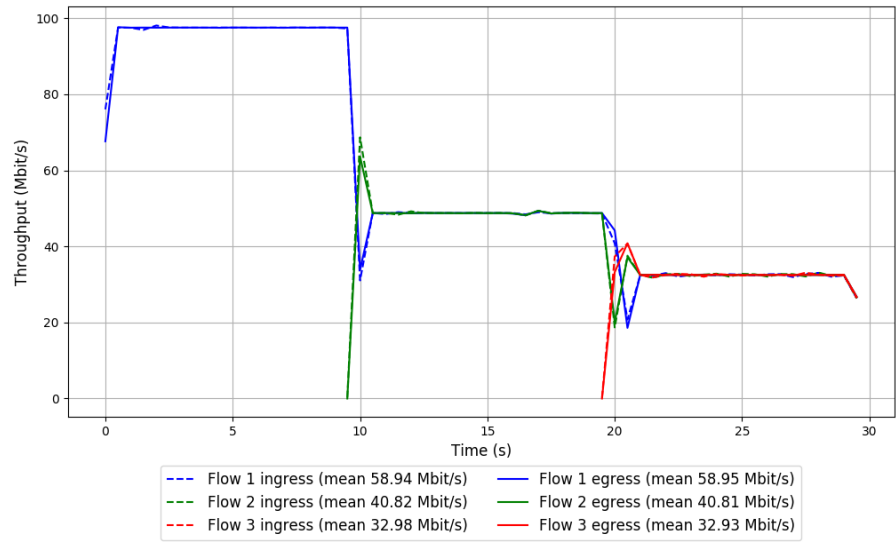


Run 5: Statistics of TCP BBR

Start at: 2017-11-16 08:59:57
End at: 2017-11-16 09:00:27
Local clock offset: 1.08 ms
Remote clock offset: -17.041 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 62.846 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 59.930 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 64.323 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 65.754 ms
Loss rate: 0.52%

Run 5: Report of TCP BBR — Data Link

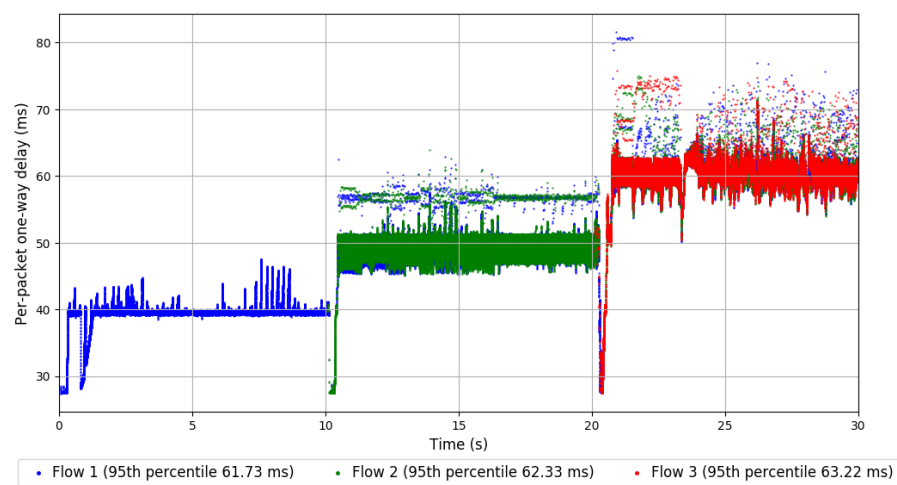
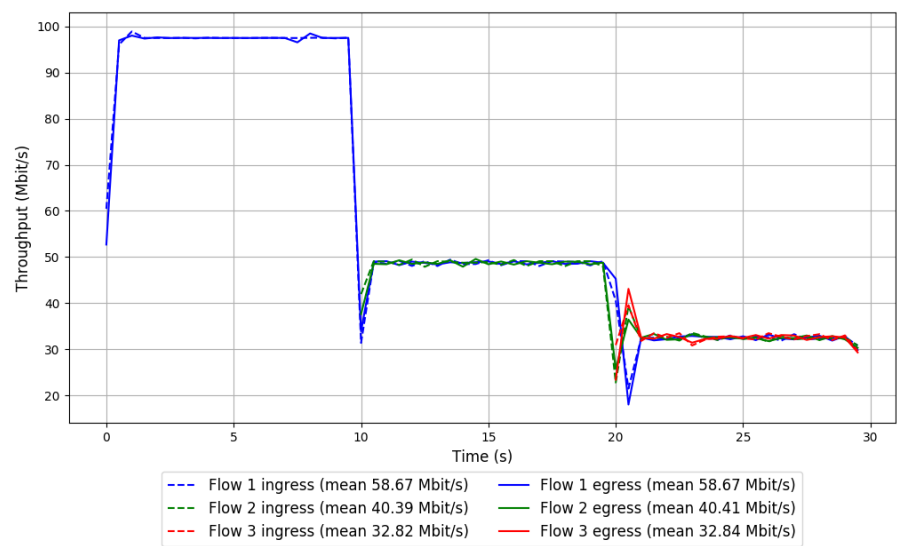


Run 6: Statistics of TCP BBR

Start at: 2017-11-16 09:28:27
End at: 2017-11-16 09:28:57
Local clock offset: -0.437 ms
Remote clock offset: -16.631 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 61.725 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 62.330 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 63.223 ms
Loss rate: 0.68%

Run 6: Report of TCP BBR — Data Link

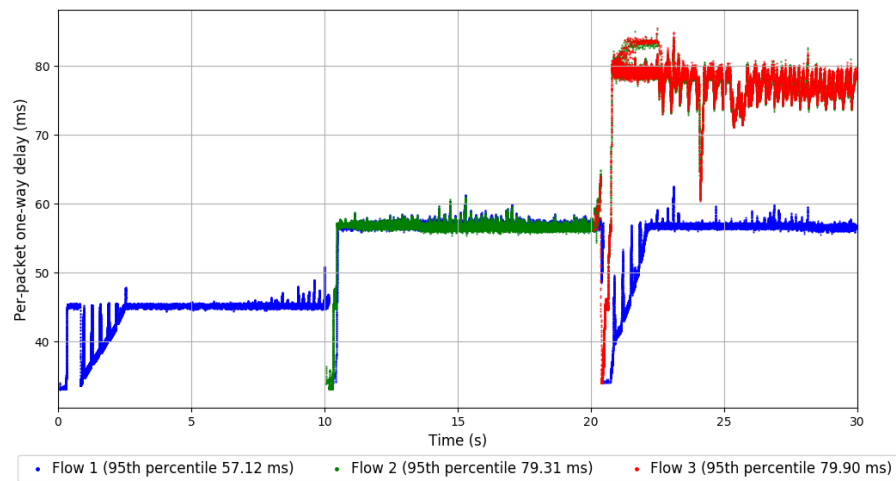
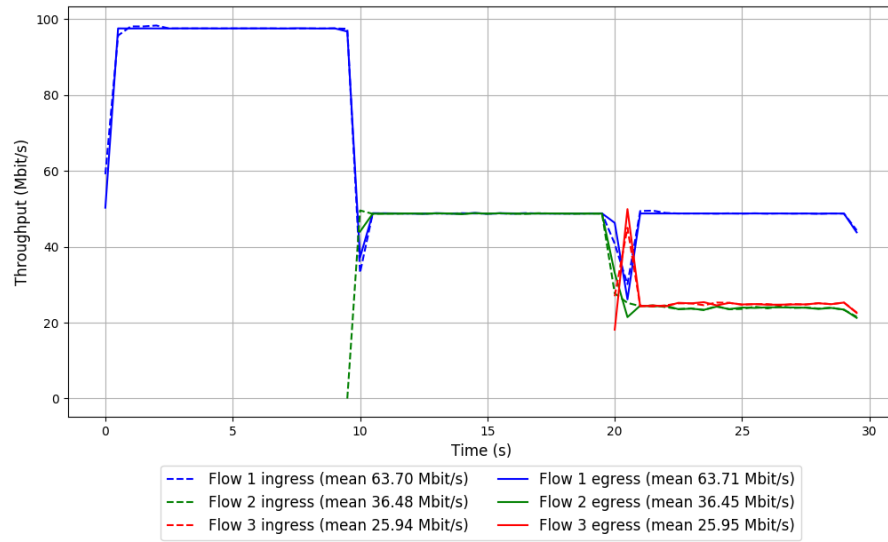


Run 7: Statistics of TCP BBR

Start at: 2017-11-16 09:48:24
End at: 2017-11-16 09:48:54
Local clock offset: 3.751 ms
Remote clock offset: -16.135 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 78.775 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 57.119 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 79.306 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 79.901 ms
Loss rate: 0.78%

Run 7: Report of TCP BBR — Data Link

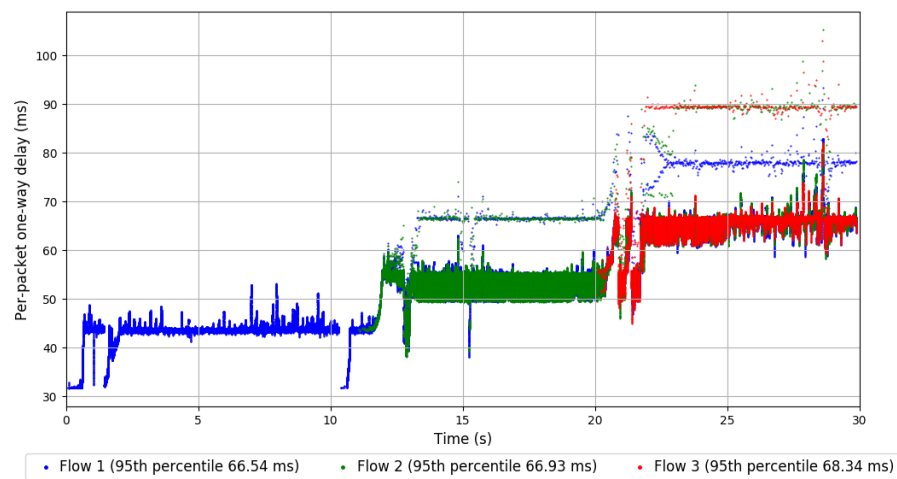
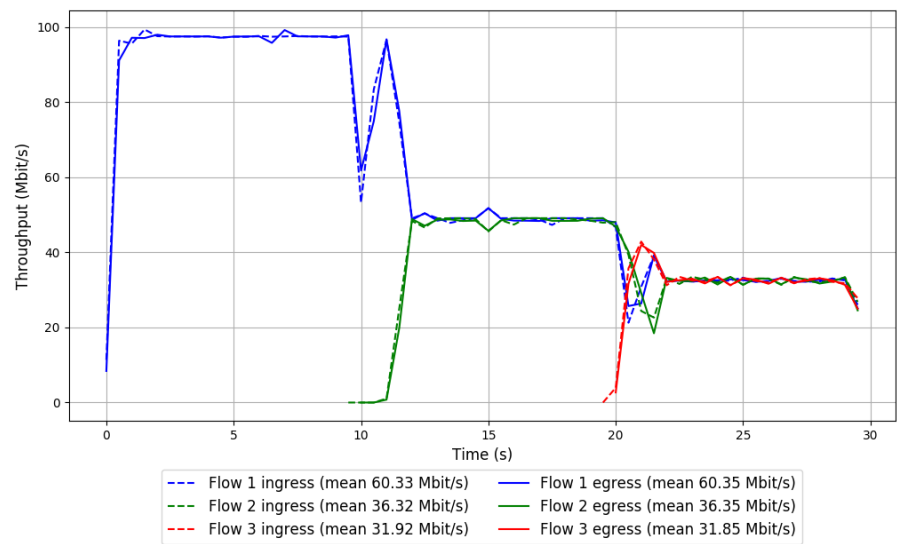


Run 8: Statistics of TCP BBR

Start at: 2017-11-16 10:09:17
End at: 2017-11-16 10:09:48
Local clock offset: 2.293 ms
Remote clock offset: -19.709 ms

Below is generated by plot.py at 2017-11-16 14:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 66.536 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 66.931 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 68.343 ms
Loss rate: 1.15%

Run 8: Report of TCP BBR — Data Link

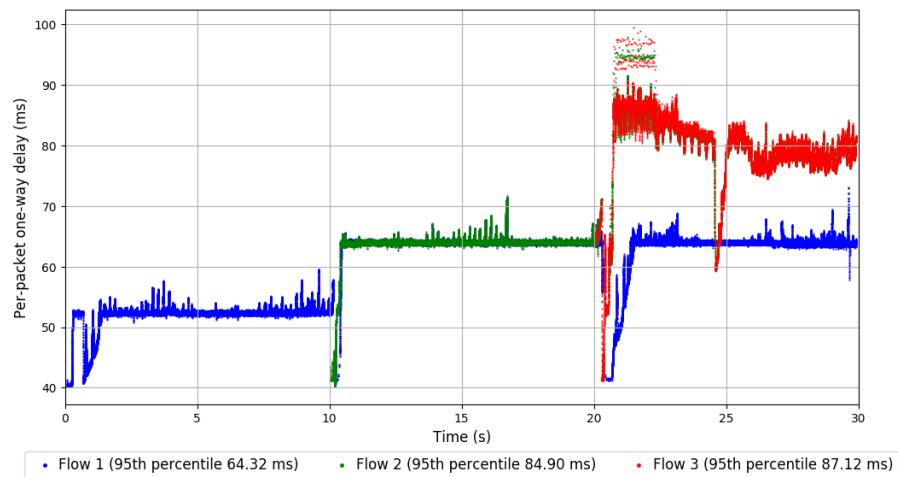
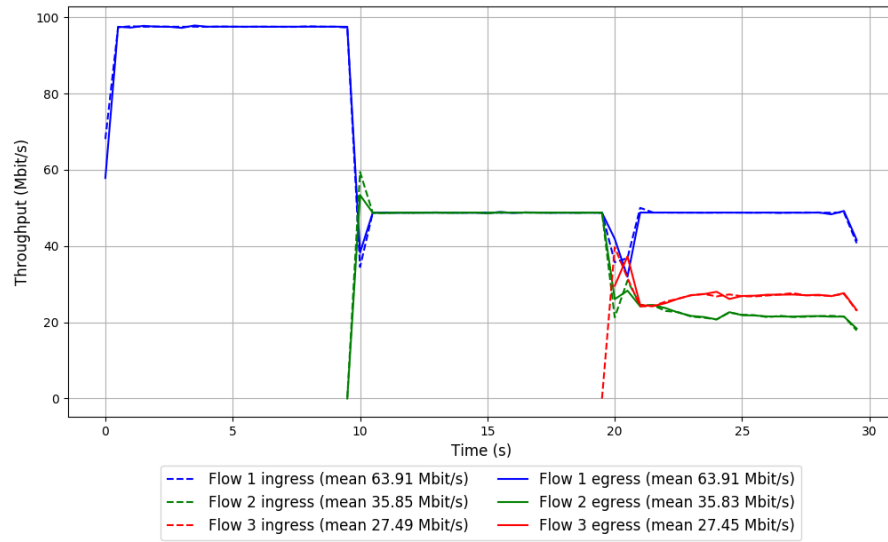


Run 9: Statistics of TCP BBR

Start at: 2017-11-16 10:30:30
End at: 2017-11-16 10:31:00
Local clock offset: 3.44 ms
Remote clock offset: -17.644 ms

Below is generated by plot.py at 2017-11-16 14:35:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 82.310 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 64.322 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 84.903 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 87.119 ms
Loss rate: 0.73%

Run 9: Report of TCP BBR — Data Link

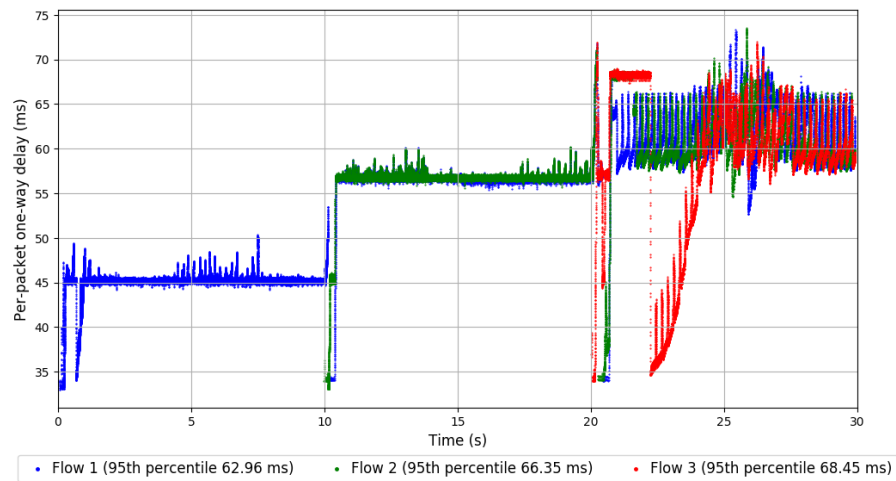
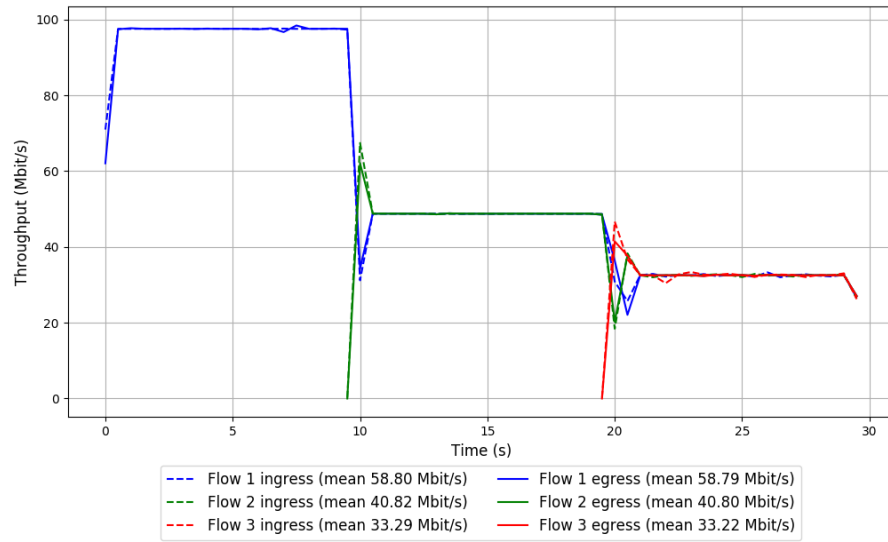


Run 10: Statistics of TCP BBR

Start at: 2017-11-16 10:49:29
End at: 2017-11-16 10:49:59
Local clock offset: 1.868 ms
Remote clock offset: -17.019 ms

Below is generated by plot.py at 2017-11-16 14:35:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 65.665 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 62.957 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 66.354 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 68.455 ms
Loss rate: 0.53%

Run 10: Report of TCP BBR — Data Link

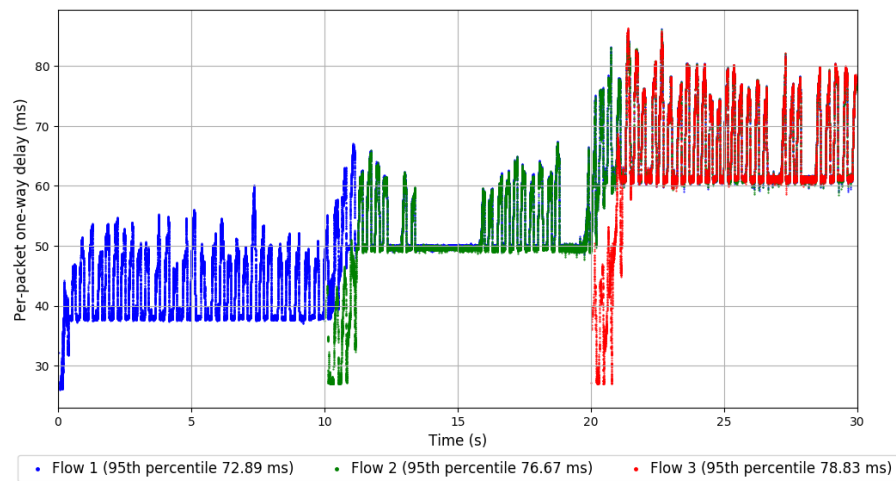
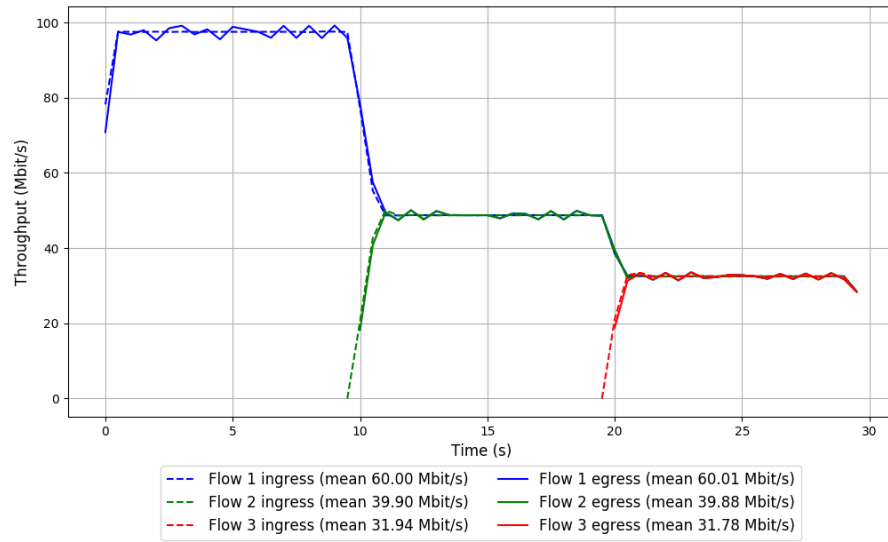


Run 1: Statistics of TCP Cubic

Start at: 2017-11-16 07:32:25
End at: 2017-11-16 07:32:55
Local clock offset: -1.354 ms
Remote clock offset: -15.743 ms

Below is generated by plot.py at 2017-11-16 14:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 75.940 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 60.01 Mbit/s
95th percentile per-packet one-way delay: 72.889 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.88 Mbit/s
95th percentile per-packet one-way delay: 76.667 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 78.832 ms
Loss rate: 0.76%

Run 1: Report of TCP Cubic — Data Link

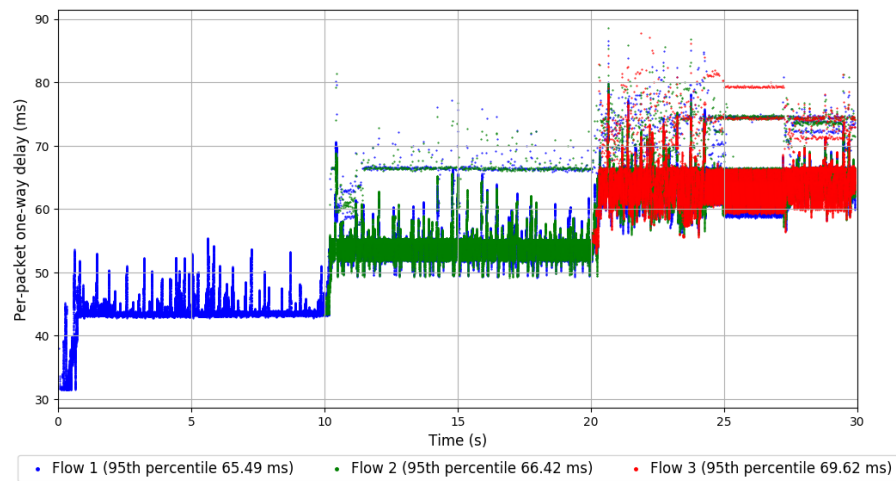
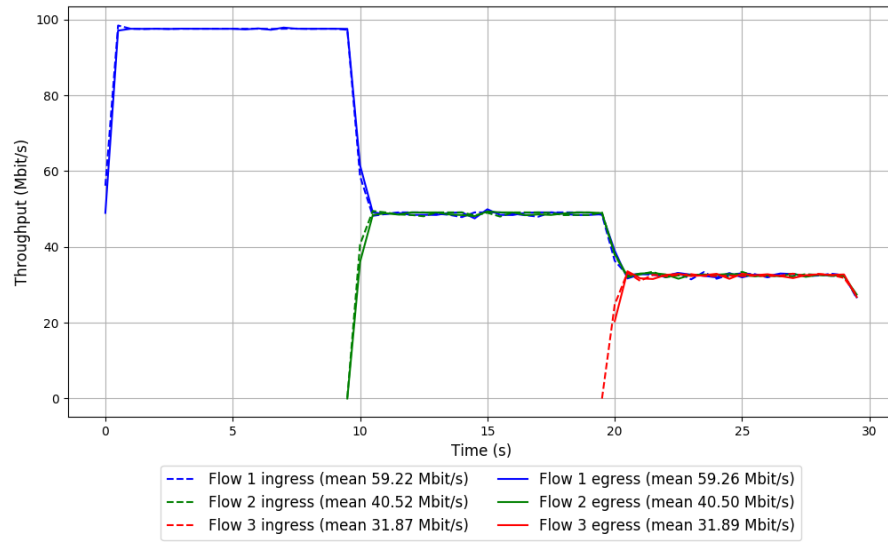


Run 2: Statistics of TCP Cubic

Start at: 2017-11-16 07:52:24
End at: 2017-11-16 07:52:54
Local clock offset: 1.284 ms
Remote clock offset: -17.246 ms

Below is generated by plot.py at 2017-11-16 14:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 66.298 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 65.488 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 66.421 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 69.624 ms
Loss rate: 0.64%

Run 2: Report of TCP Cubic — Data Link

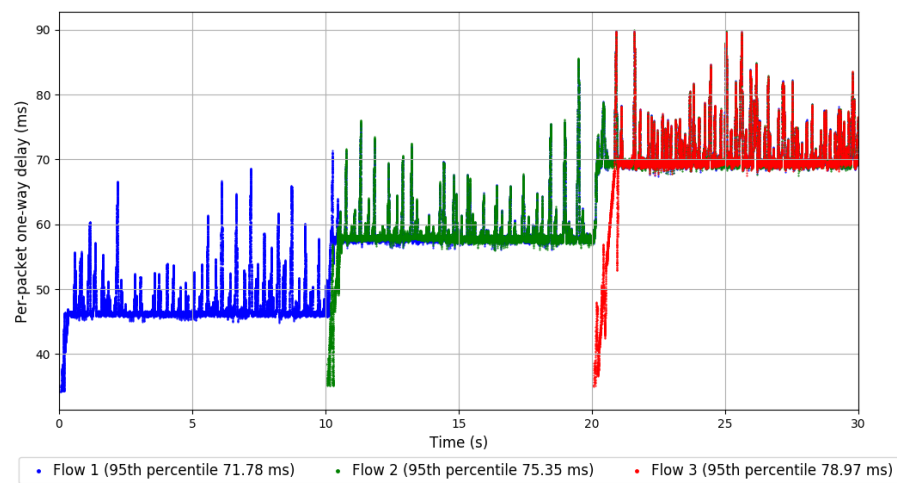
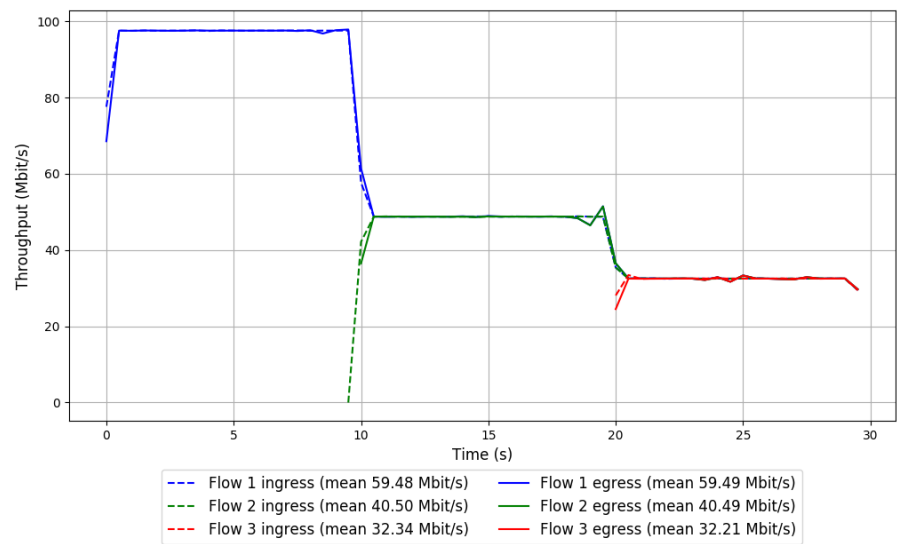


Run 3: Statistics of TCP Cubic

Start at: 2017-11-16 08:17:37
End at: 2017-11-16 08:18:07
Local clock offset: 1.669 ms
Remote clock offset: -20.298 ms

Below is generated by plot.py at 2017-11-16 14:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 74.403 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 71.784 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 75.347 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 78.975 ms
Loss rate: 0.67%

Run 3: Report of TCP Cubic — Data Link

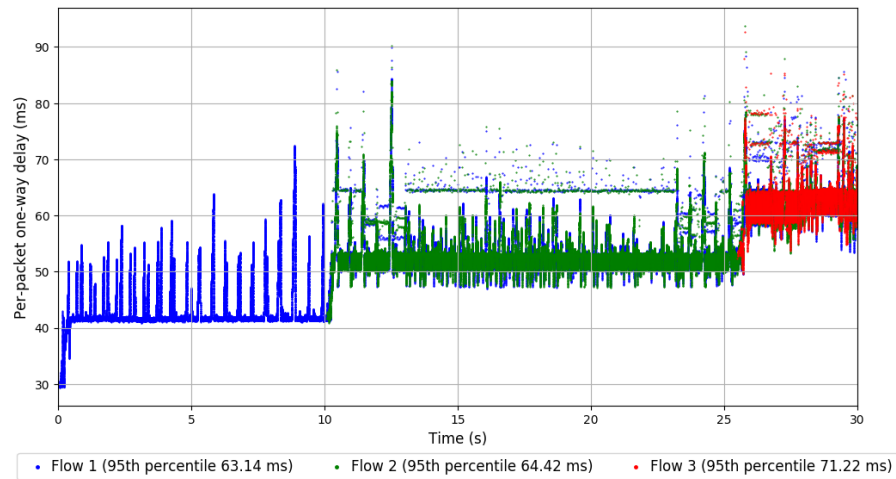
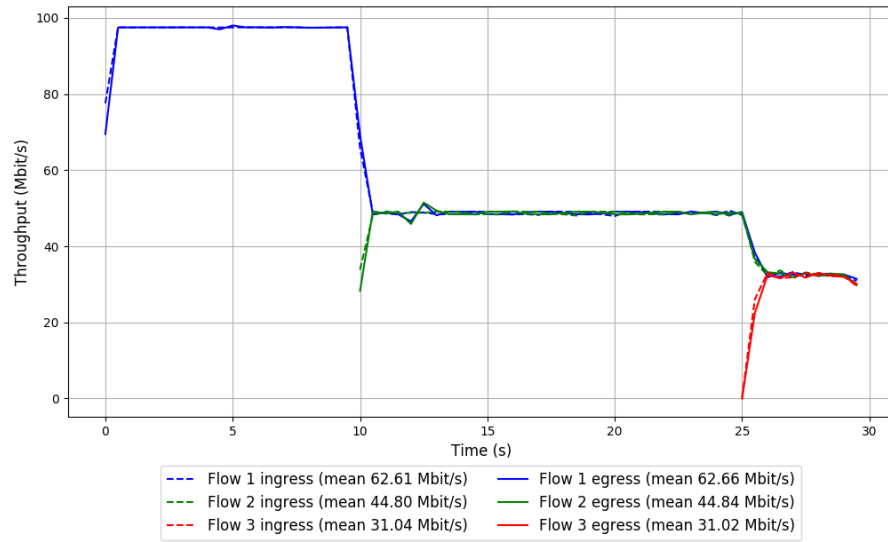


Run 4: Statistics of TCP Cubic

Start at: 2017-11-16 08:45:40
End at: 2017-11-16 08:46:10
Local clock offset: -1.543 ms
Remote clock offset: -18.006 ms

Below is generated by plot.py at 2017-11-16 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 64.310 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 63.138 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 64.418 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 71.217 ms
Loss rate: 1.38%

Run 4: Report of TCP Cubic — Data Link

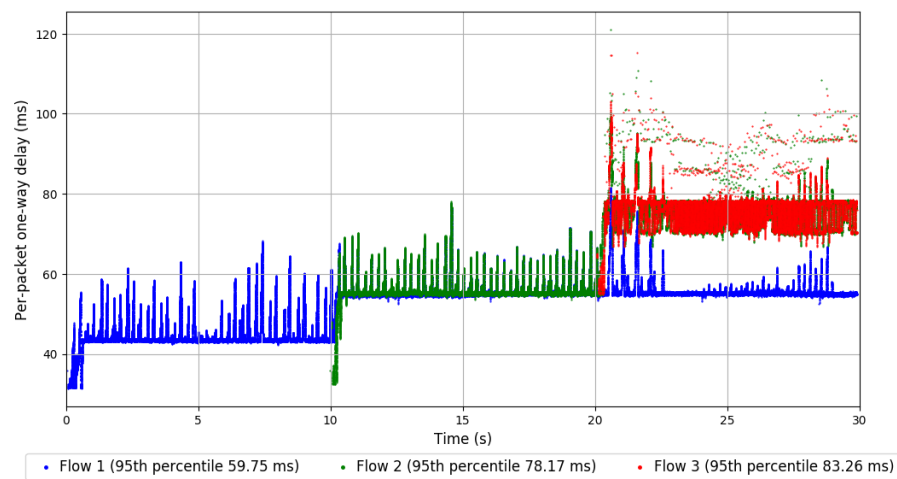
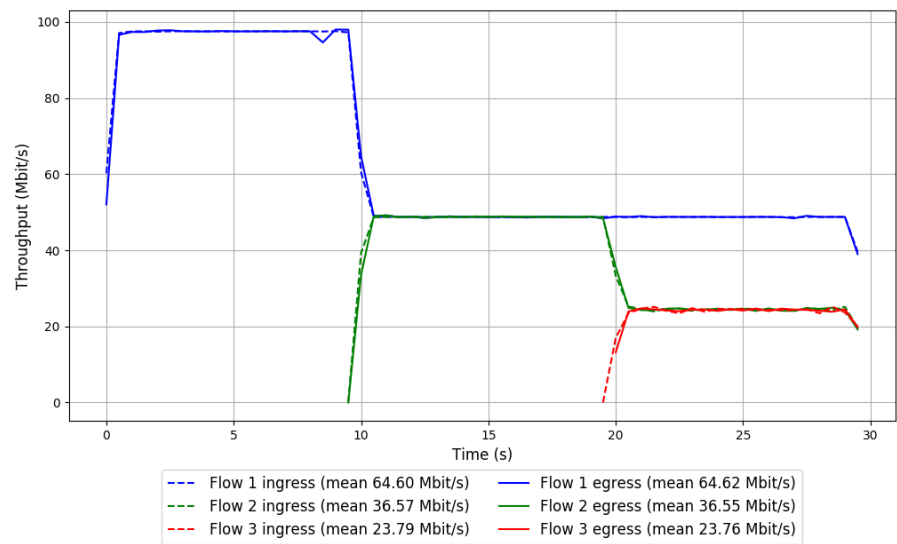


Run 5: Statistics of TCP Cubic

Start at: 2017-11-16 09:16:45
End at: 2017-11-16 09:17:15
Local clock offset: 1.544 ms
Remote clock offset: -18.419 ms

Below is generated by plot.py at 2017-11-16 14:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 77.772 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 59.753 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 78.169 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 83.258 ms
Loss rate: 0.79%

Run 5: Report of TCP Cubic — Data Link

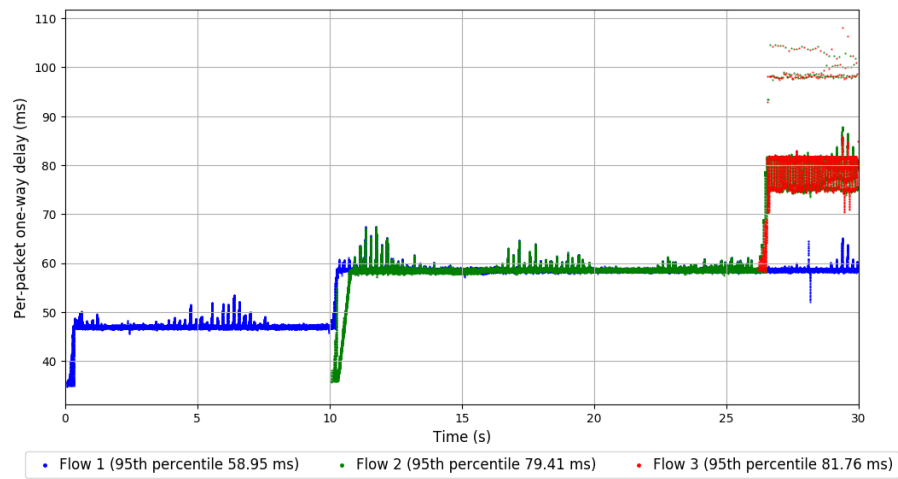
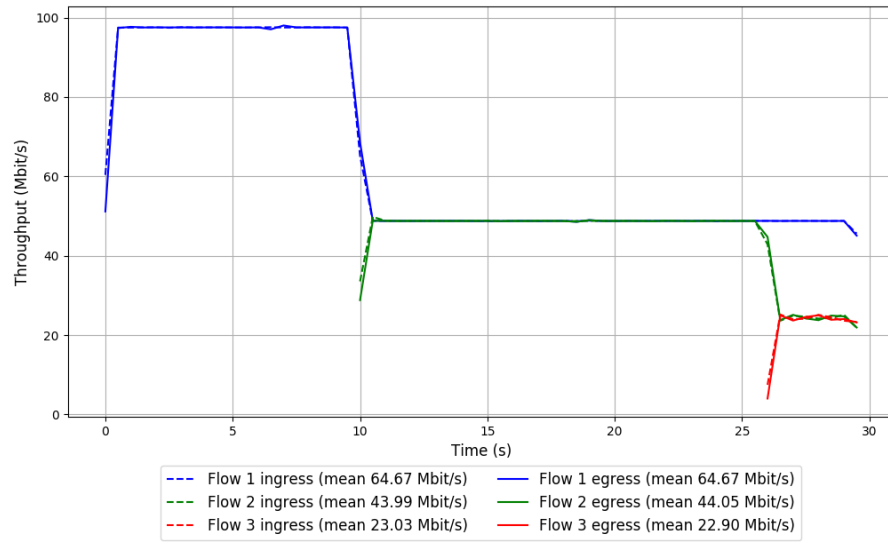


Run 6: Statistics of TCP Cubic

Start at: 2017-11-16 09:38:33
End at: 2017-11-16 09:39:03
Local clock offset: 2.976 ms
Remote clock offset: -18.709 ms

Below is generated by plot.py at 2017-11-16 14:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 75.194 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 58.954 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 79.407 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.90 Mbit/s
95th percentile per-packet one-way delay: 81.758 ms
Loss rate: 2.25%

Run 6: Report of TCP Cubic — Data Link

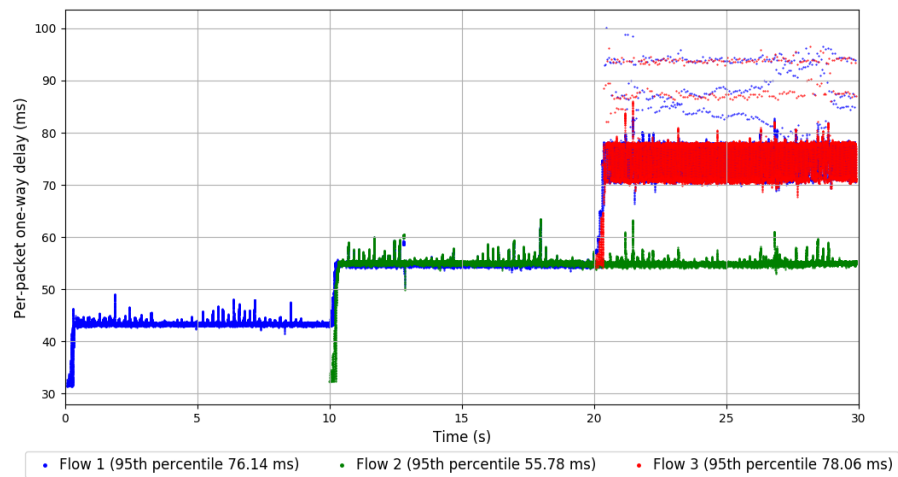
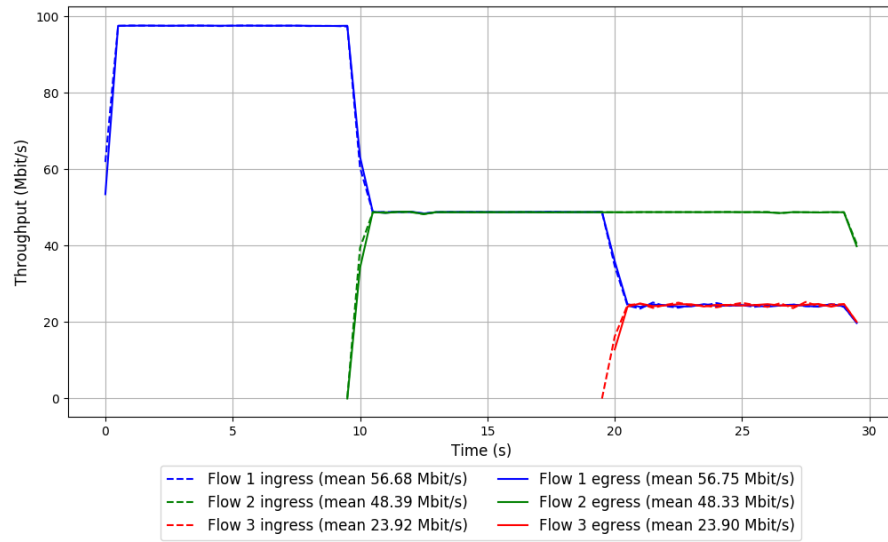


Run 7: Statistics of TCP Cubic

Start at: 2017-11-16 09:58:12
End at: 2017-11-16 09:58:42
Local clock offset: 1.734 ms
Remote clock offset: -16.461 ms

Below is generated by plot.py at 2017-11-16 14:37:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 76.781 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 76.136 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 55.779 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 78.062 ms
Loss rate: 0.80%

Run 7: Report of TCP Cubic — Data Link

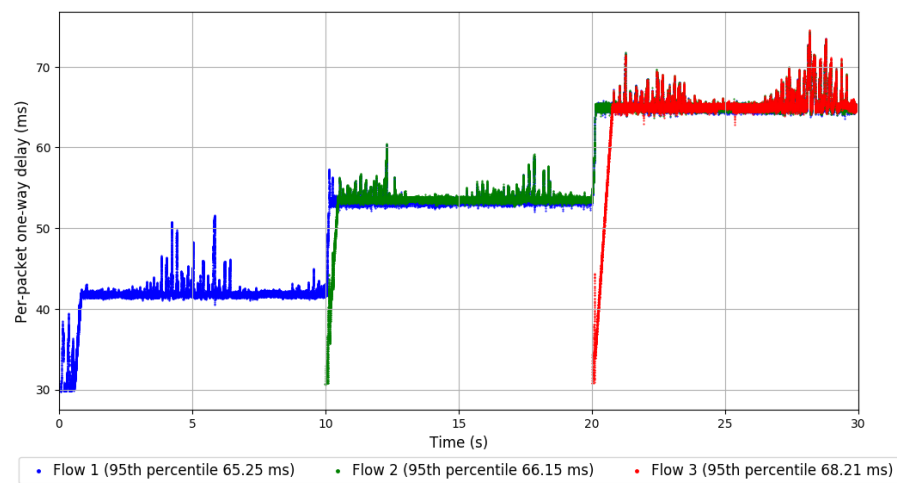
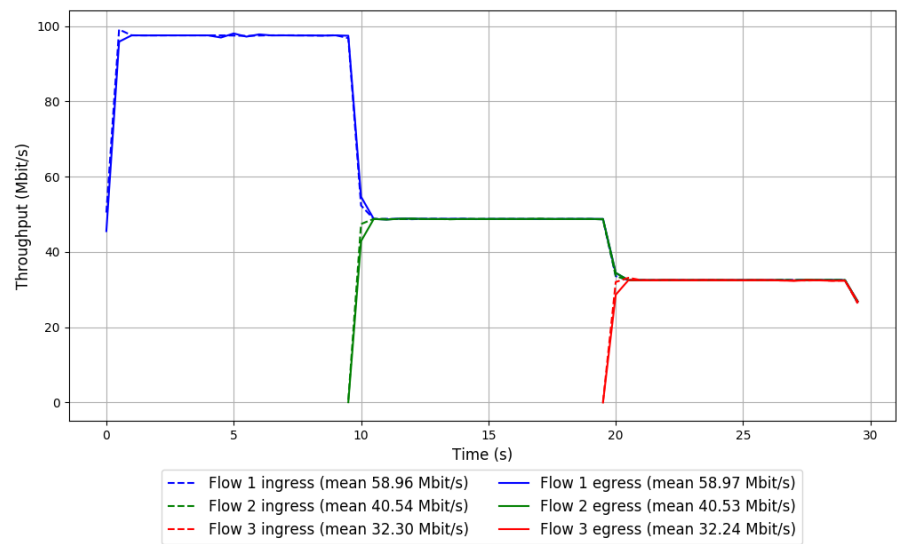


Run 8: Statistics of TCP Cubic

Start at: 2017-11-16 10:20:30
End at: 2017-11-16 10:21:00
Local clock offset: 2.095 ms
Remote clock offset: -17.597 ms

Below is generated by plot.py at 2017-11-16 14:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 65.807 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 65.250 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 66.146 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 68.209 ms
Loss rate: 0.59%

Run 8: Report of TCP Cubic — Data Link

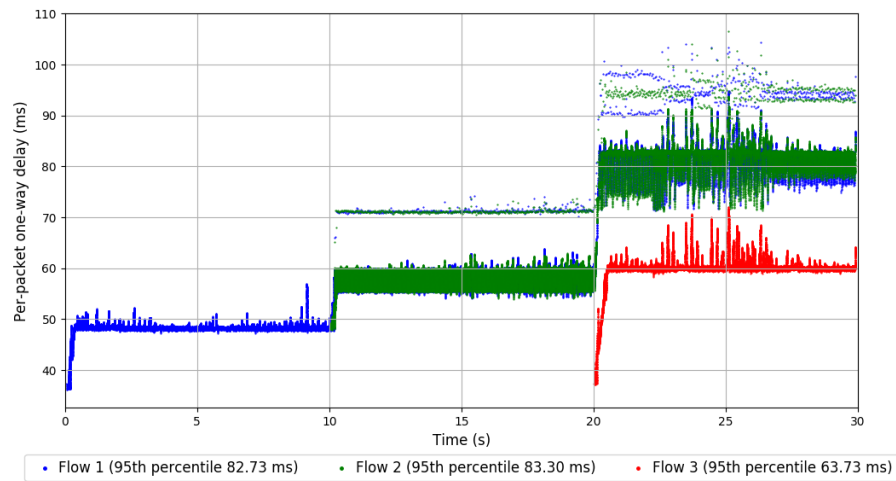
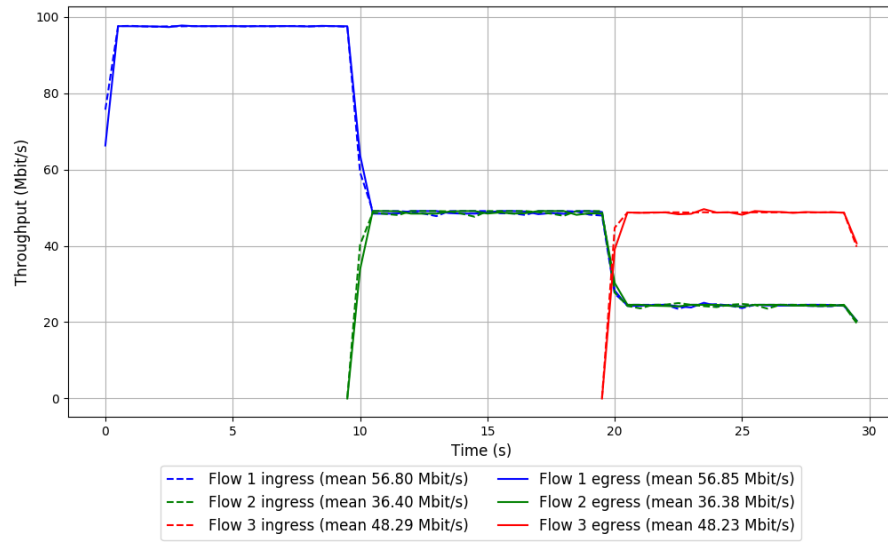


Run 9: Statistics of TCP Cubic

Start at: 2017-11-16 10:39:49
End at: 2017-11-16 10:40:19
Local clock offset: 4.085 ms
Remote clock offset: -17.694 ms

Below is generated by plot.py at 2017-11-16 14:37:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 82.821 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 82.731 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 83.298 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 63.728 ms
Loss rate: 0.51%

Run 9: Report of TCP Cubic — Data Link

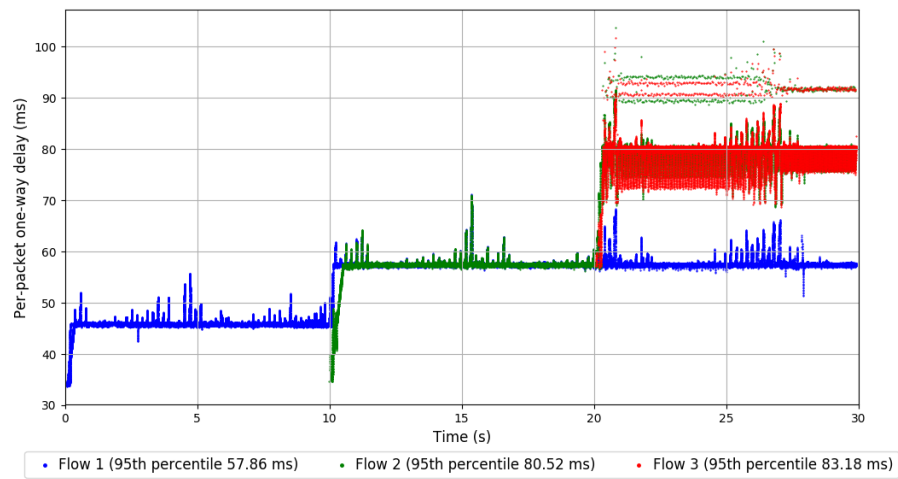
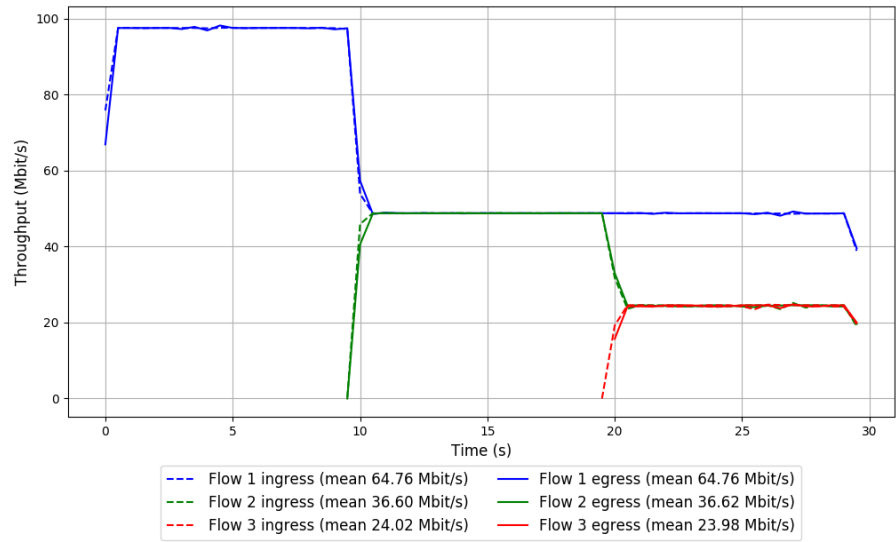


Run 10: Statistics of TCP Cubic

Start at: 2017-11-16 10:58:57
End at: 2017-11-16 10:59:27
Local clock offset: 2.401 ms
Remote clock offset: -17.566 ms

Below is generated by plot.py at 2017-11-16 14:37:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 80.353 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 57.860 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 80.516 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 83.176 ms
Loss rate: 0.72%

Run 10: Report of TCP Cubic — Data Link

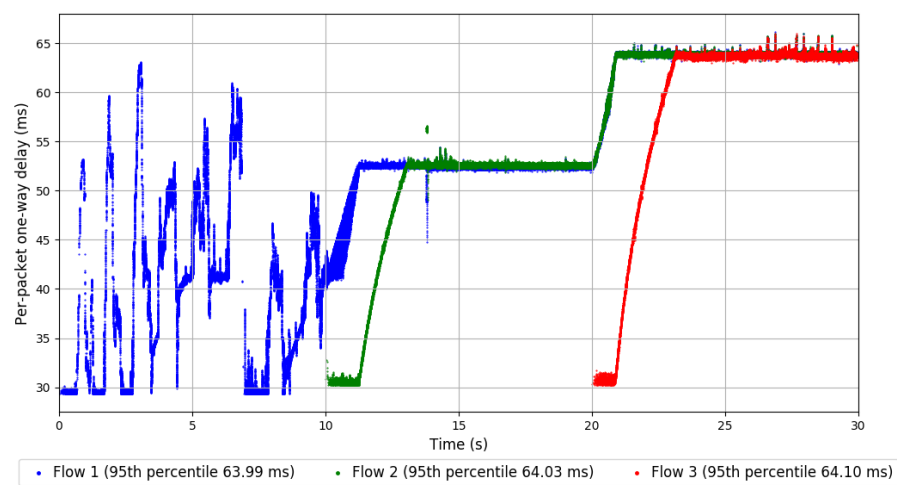
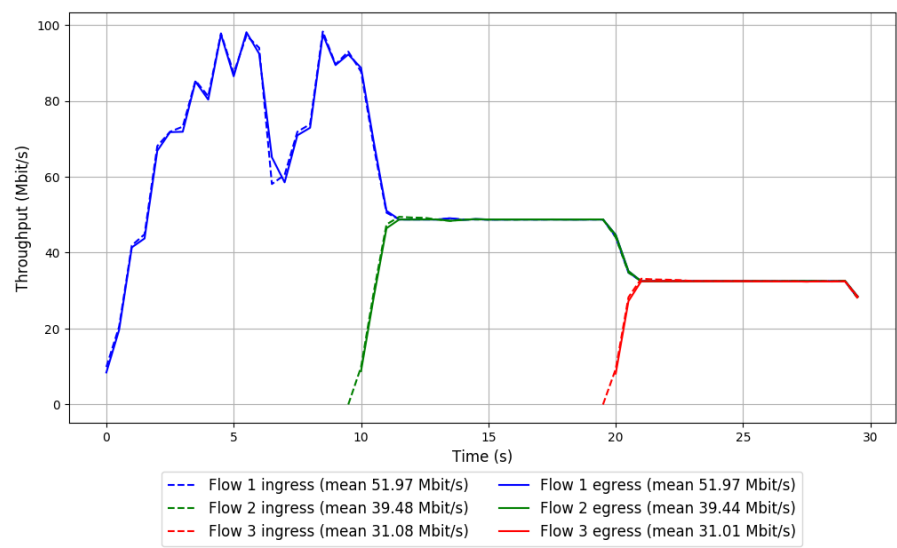


```
Run 1: Statistics of LEDBAT

Start at: 2017-11-16 07:23:15
End at: 2017-11-16 07:23:45
Local clock offset: 2.044 ms
Remote clock offset: -16.128 ms

# Below is generated by plot.py at 2017-11-16 14:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.55 Mbit/s
95th percentile per-packet one-way delay: 64.020 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 63.994 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 64.029 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 64.100 ms
Loss rate: 0.61%
```


Run 1: Report of LEDBAT — Data Link

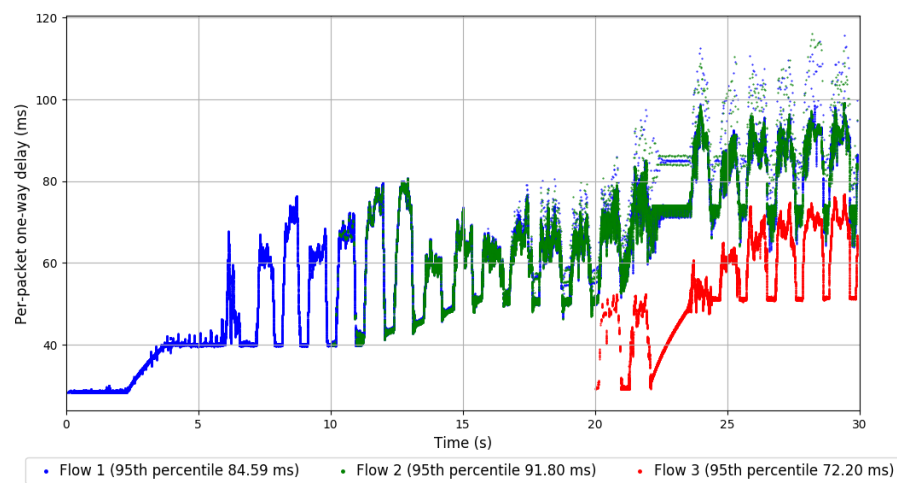
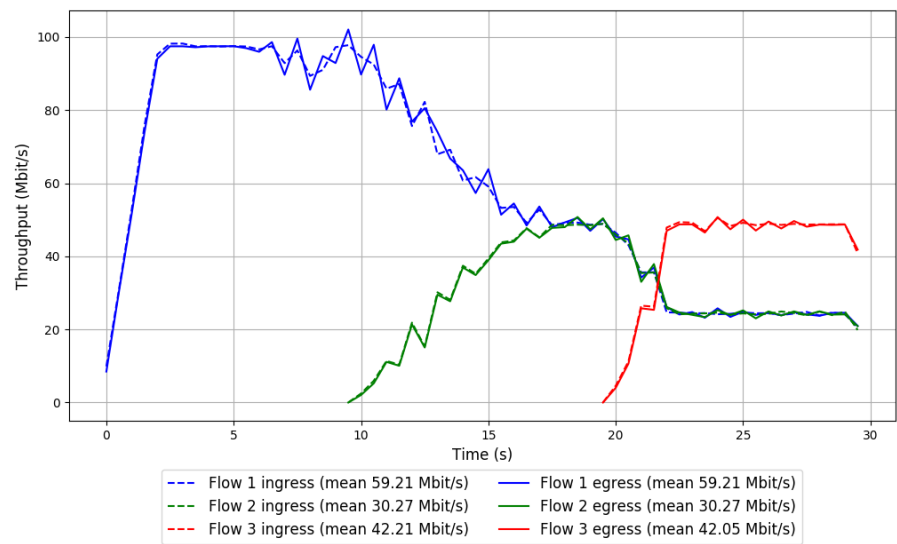


Run 2: Statistics of LEDBAT

Start at: 2017-11-16 07:43:33
End at: 2017-11-16 07:44:03
Local clock offset: -0.245 ms
Remote clock offset: -16.807 ms

Below is generated by plot.py at 2017-11-16 14:37:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 87.295 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 84.590 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 91.797 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 72.200 ms
Loss rate: 0.71%

Run 2: Report of LEDBAT — Data Link

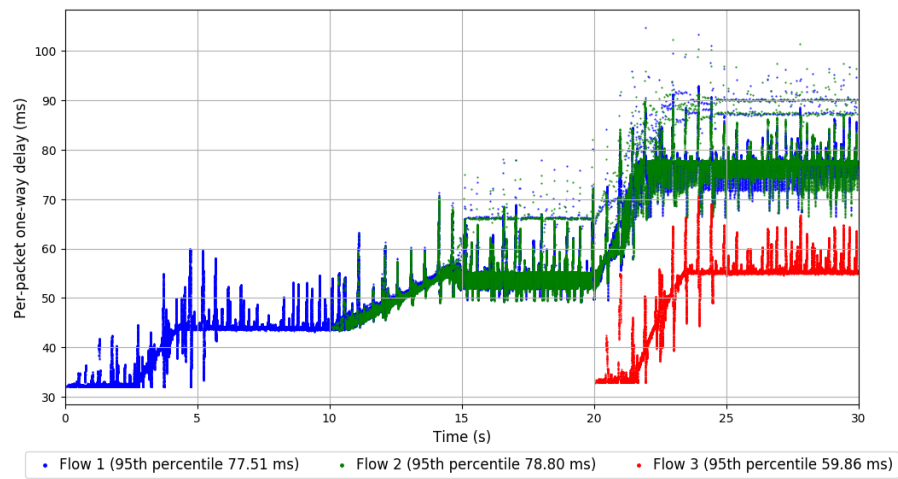
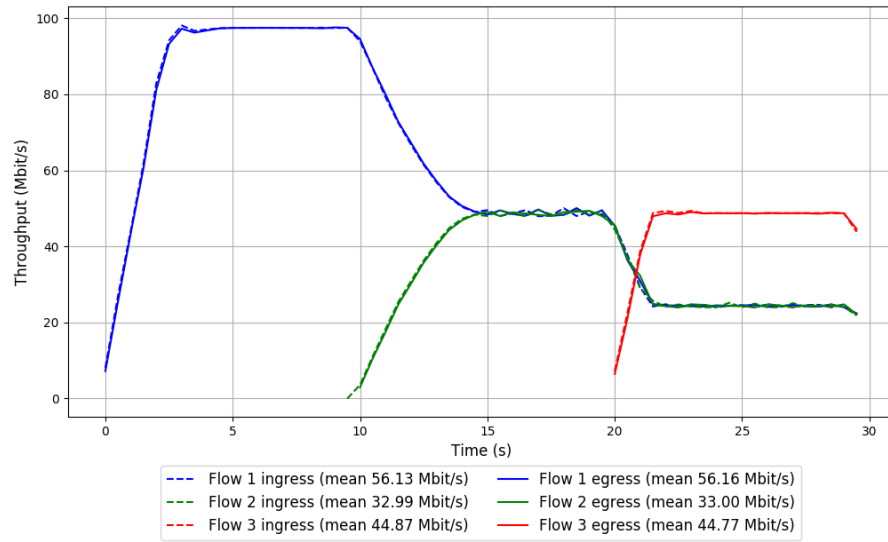


Run 3: Statistics of LEDBAT

Start at: 2017-11-16 08:06:14
End at: 2017-11-16 08:06:44
Local clock offset: 0.149 ms
Remote clock offset: -19.185 ms

Below is generated by plot.py at 2017-11-16 14:37:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 77.580 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 77.511 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 78.800 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 59.860 ms
Loss rate: 0.52%

Run 3: Report of LEDBAT — Data Link

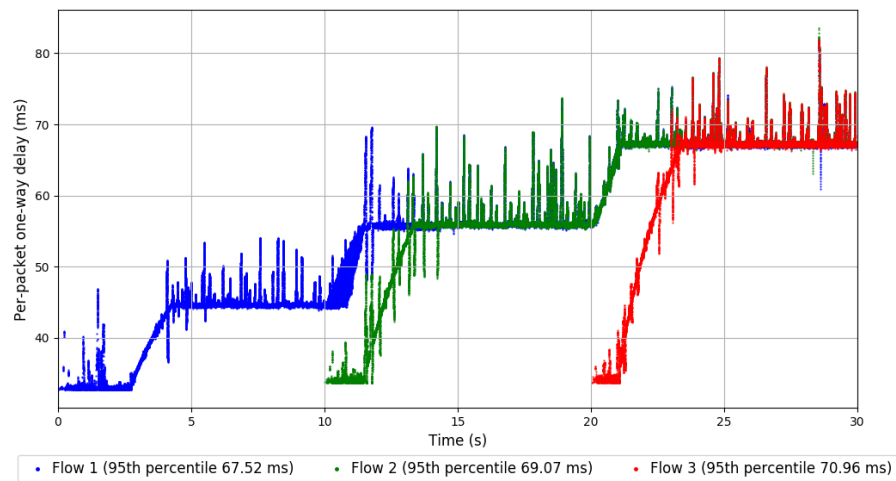
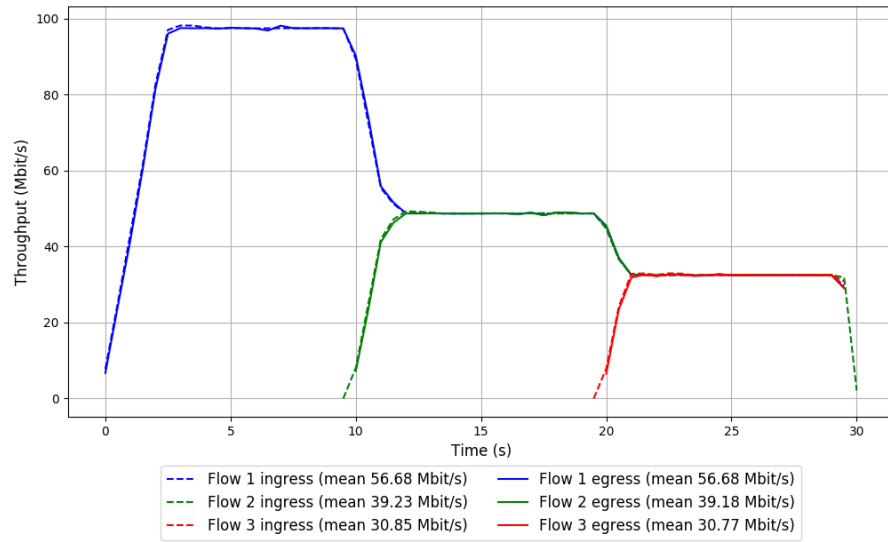


Run 4: Statistics of LEDBAT

Start at: 2017-11-16 08:33:26
End at: 2017-11-16 08:33:56
Local clock offset: 0.815 ms
Remote clock offset: -20.102 ms

Below is generated by plot.py at 2017-11-16 14:37:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 68.416 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 67.516 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 69.071 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 70.961 ms
Loss rate: 0.99%

Run 4: Report of LEDBAT — Data Link

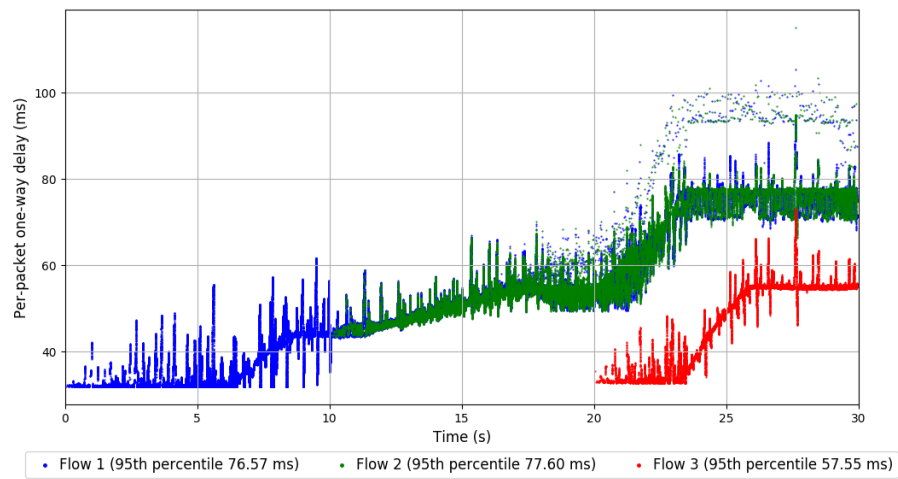
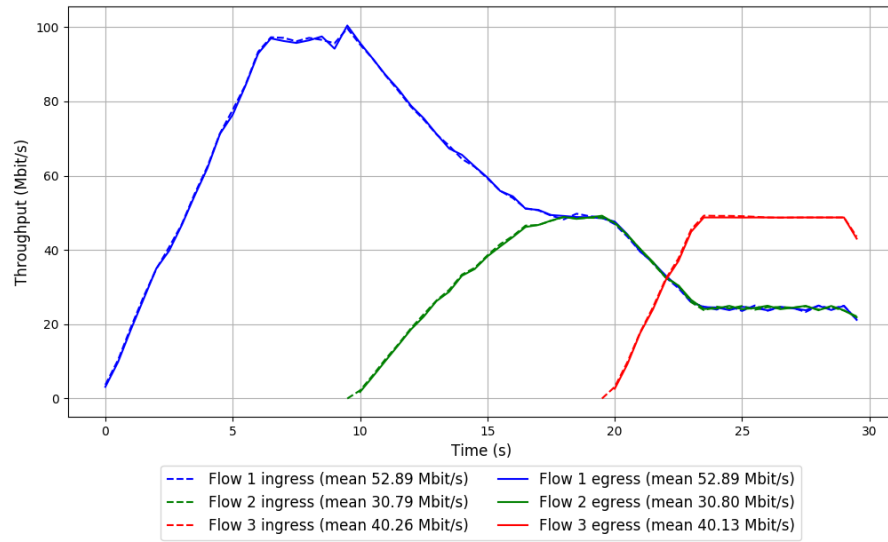


Run 5: Statistics of LEDBAT

Start at: 2017-11-16 09:03:07
End at: 2017-11-16 09:03:37
Local clock offset: 2.834 ms
Remote clock offset: -17.11 ms

Below is generated by plot.py at 2017-11-16 14:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 77.139 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 76.567 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 77.596 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 57.552 ms
Loss rate: 0.74%

Run 5: Report of LEDBAT — Data Link

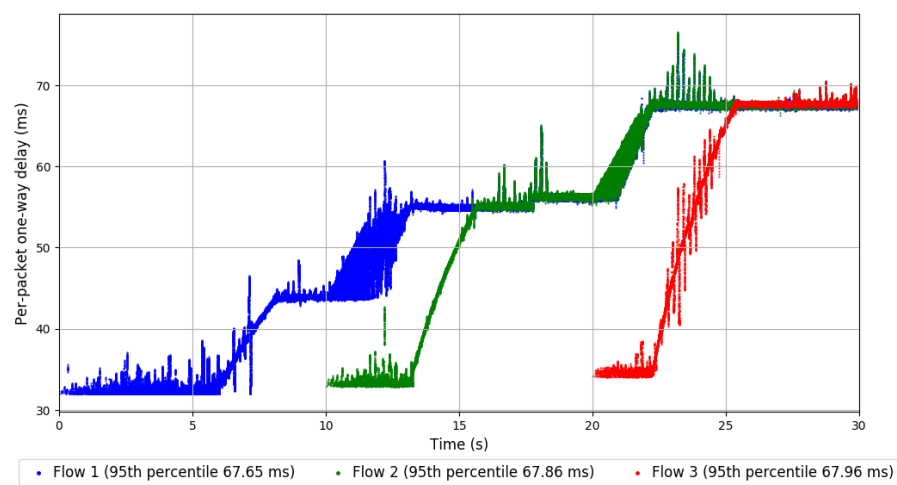
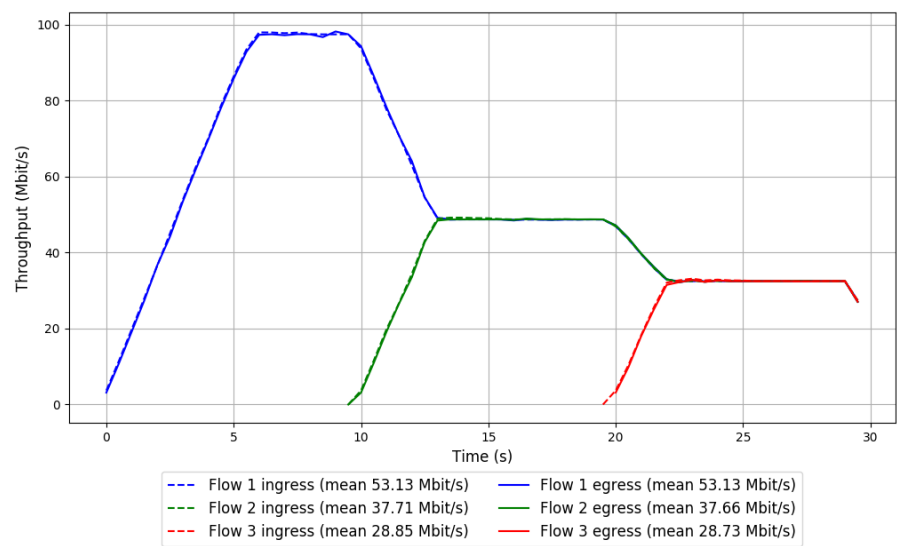


Run 6: Statistics of LEDBAT

Start at: 2017-11-16 09:30:12
End at: 2017-11-16 09:30:42
Local clock offset: 3.999 ms
Remote clock offset: -16.666 ms

Below is generated by plot.py at 2017-11-16 14:38:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.76 Mbit/s
95th percentile per-packet one-way delay: 67.826 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 67.653 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 67.864 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 67.958 ms
Loss rate: 0.83%

Run 6: Report of LEDBAT — Data Link

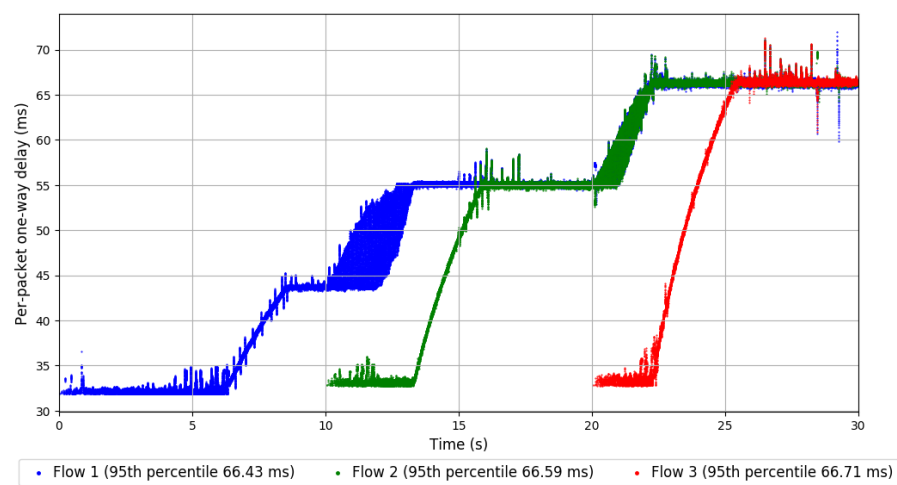
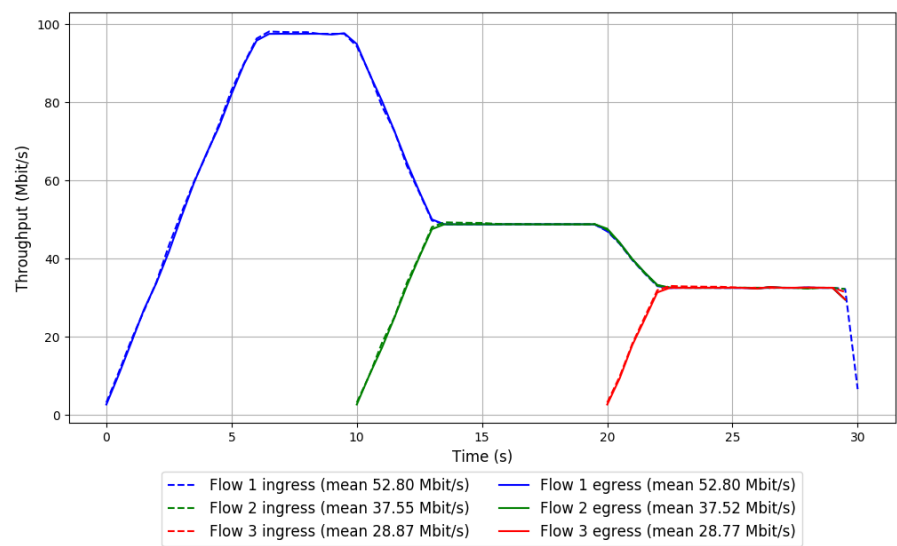


Run 7: Statistics of LEDBAT

Start at: 2017-11-16 09:49:42
End at: 2017-11-16 09:50:12
Local clock offset: 2.228 ms
Remote clock offset: -16.415 ms

Below is generated by plot.py at 2017-11-16 14:38:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 66.563 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 66.428 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 66.590 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 66.714 ms
Loss rate: 1.08%

Run 7: Report of LEDBAT — Data Link

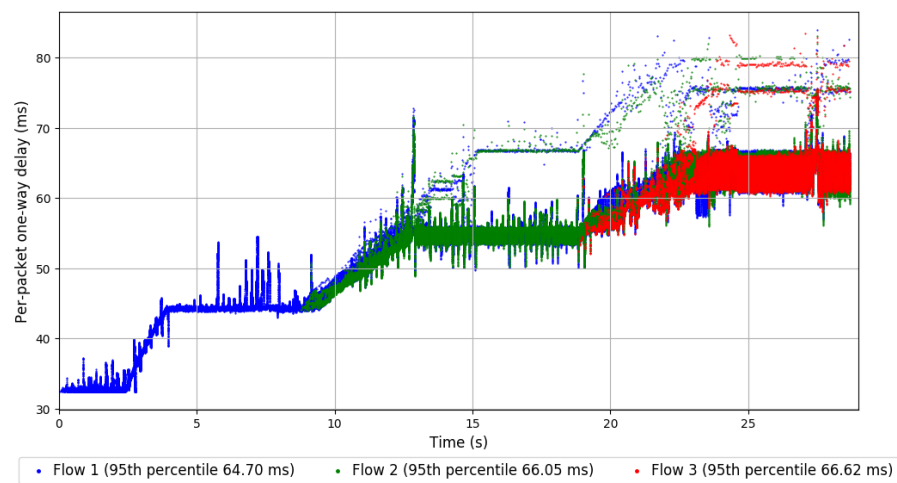
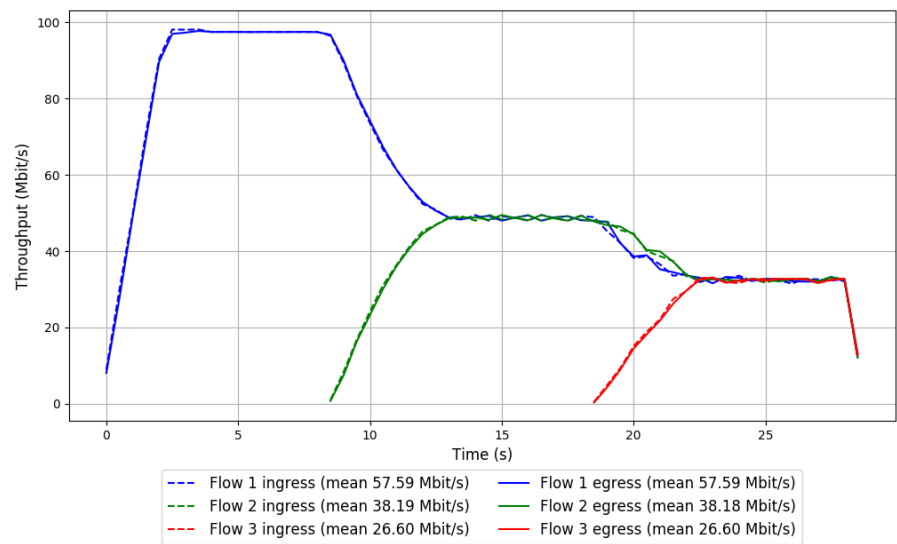


Run 8: Statistics of LEDBAT

Start at: 2017-11-16 10:11:43
End at: 2017-11-16 10:12:13
Local clock offset: 4.065 ms
Remote clock offset: -18.838 ms

Below is generated by plot.py at 2017-11-16 14:38:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 65.645 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 64.701 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 66.046 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 26.60 Mbit/s
95th percentile per-packet one-way delay: 66.616 ms
Loss rate: 0.61%

Run 8: Report of LEDBAT — Data Link

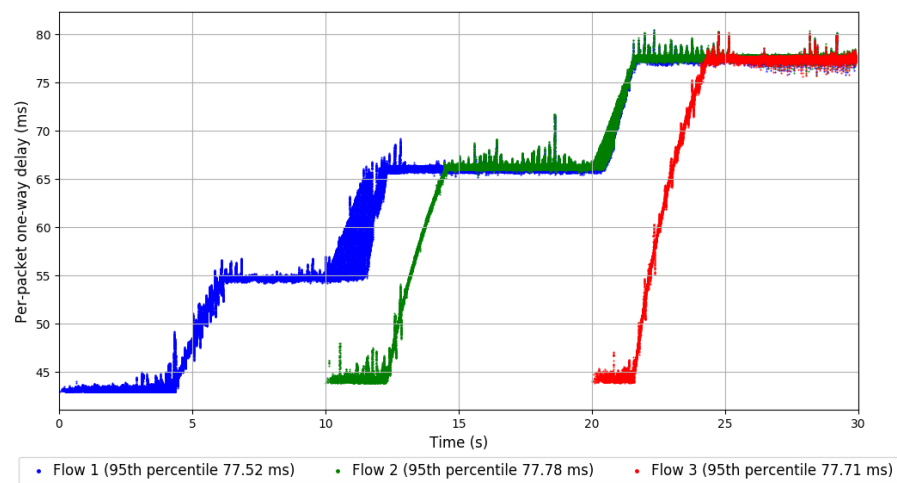
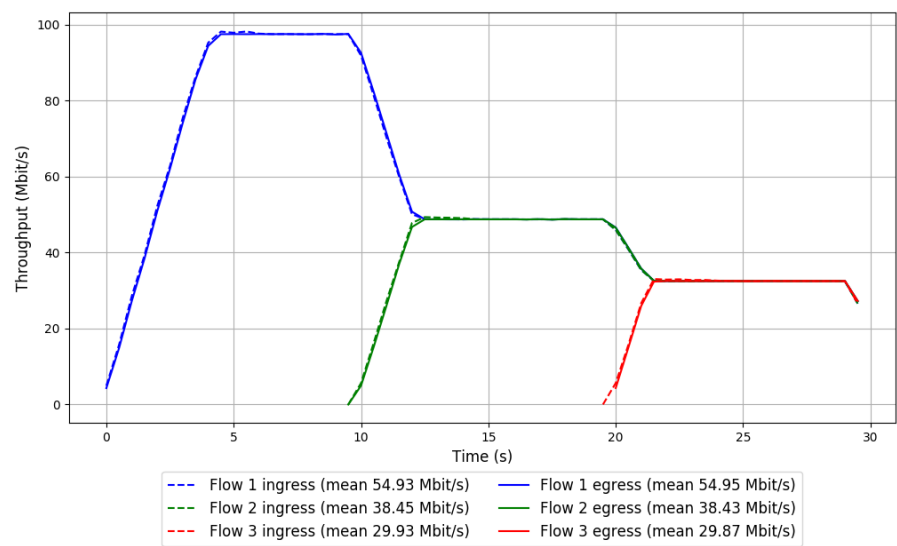


Run 9: Statistics of LEDBAT

Start at: 2017-11-16 10:31:50
End at: 2017-11-16 10:32:20
Local clock offset: 4.086 ms
Remote clock offset: -19.543 ms

Below is generated by plot.py at 2017-11-16 14:38:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 77.701 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 77.523 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 77.779 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 77.707 ms
Loss rate: 0.72%

Run 9: Report of LEDBAT — Data Link

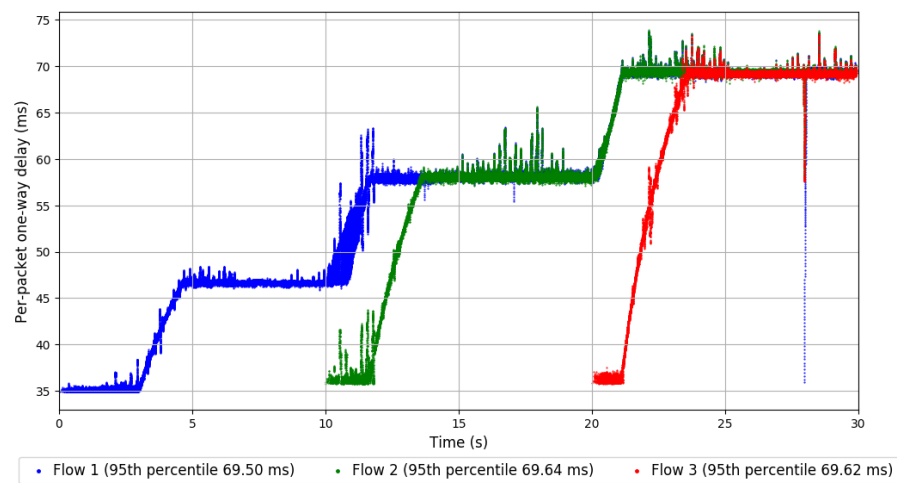
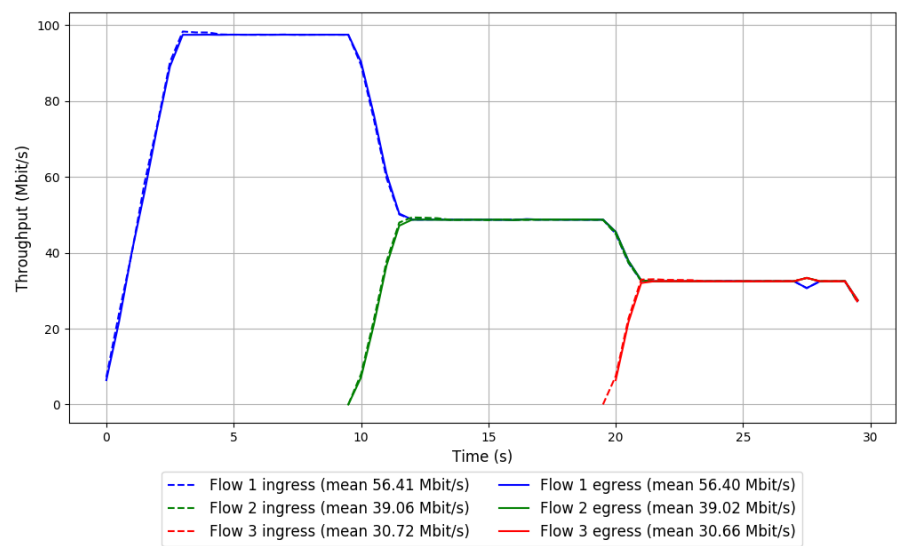


Run 10: Statistics of LEDBAT

Start at: 2017-11-16 10:51:02
End at: 2017-11-16 10:51:32
Local clock offset: 3.296 ms
Remote clock offset: -17.582 ms

Below is generated by plot.py at 2017-11-16 14:38:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 69.569 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 69.499 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 69.640 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 69.619 ms
Loss rate: 0.65%

Run 10: Report of LEDBAT — Data Link

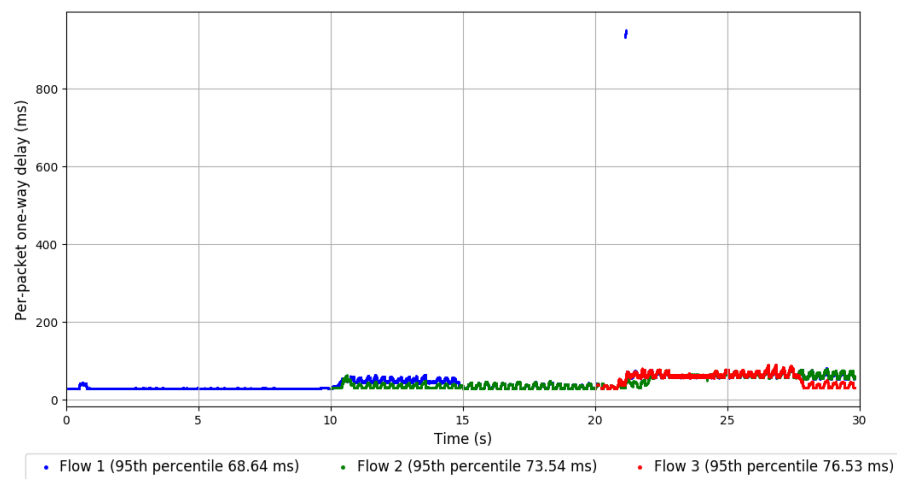
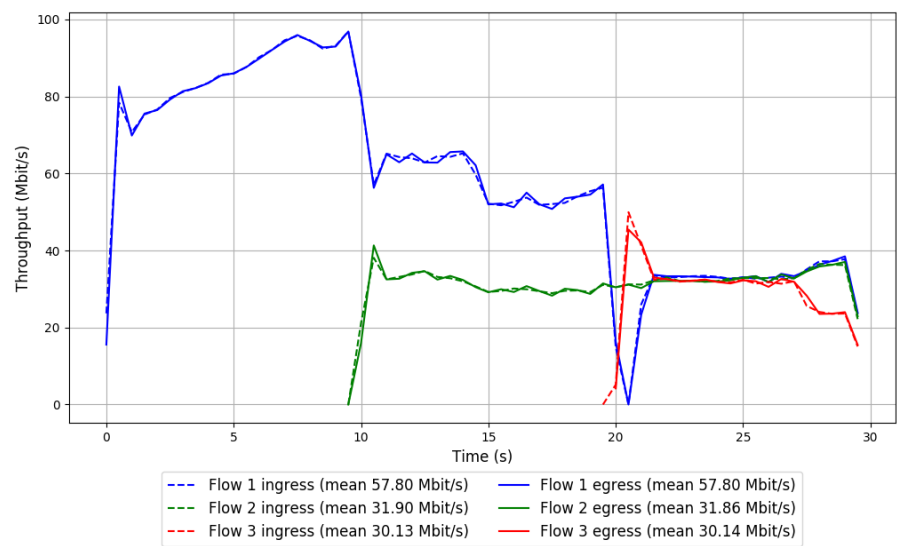


Run 1: Statistics of PCC

Start at: 2017-11-16 07:24:32
End at: 2017-11-16 07:25:02
Local clock offset: 1.501 ms
Remote clock offset: -17.49 ms

Below is generated by plot.py at 2017-11-16 14:38:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 72.070 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.80 Mbit/s
95th percentile per-packet one-way delay: 68.644 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 73.541 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 76.531 ms
Loss rate: 0.19%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

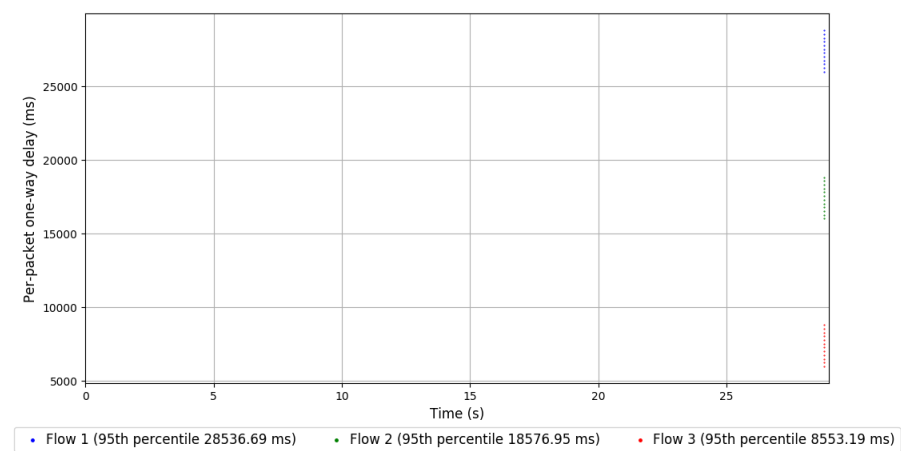
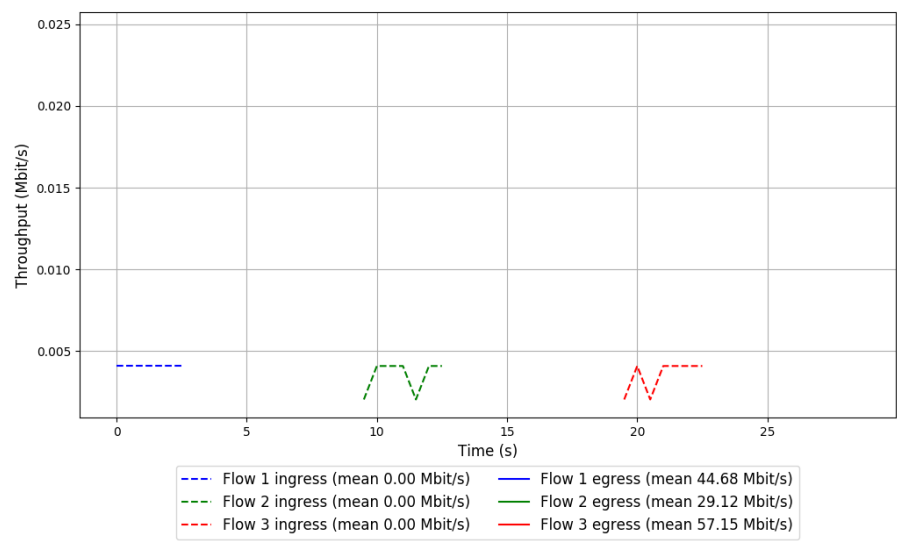
Start at: 2017-11-16 07:44:49

End at: 2017-11-16 07:45:19

Local clock offset: -0.29 ms

Remote clock offset: -17.795 ms

Run 2: Report of PCC — Data Link

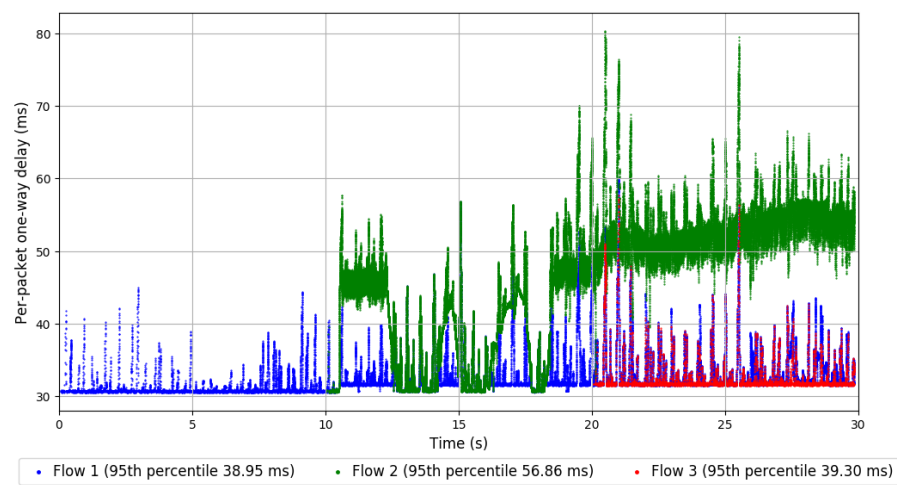
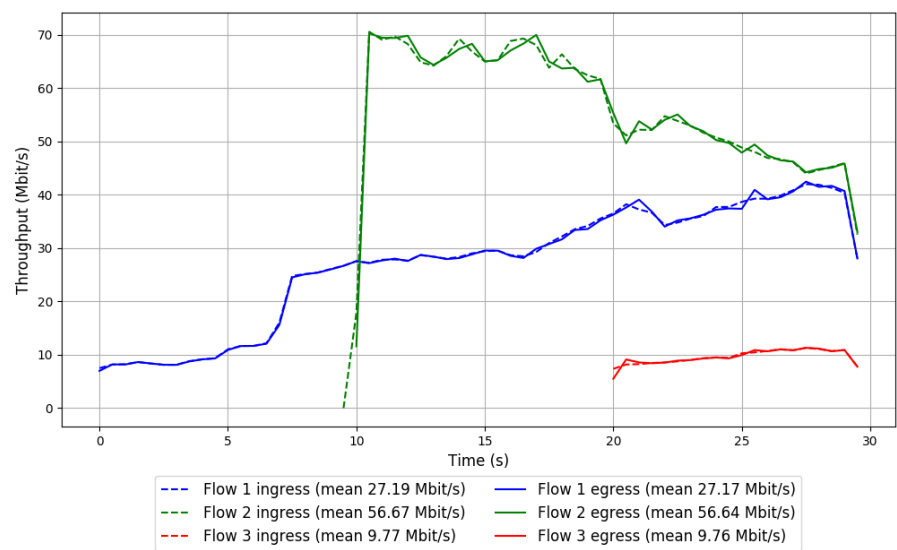


Run 3: Statistics of PCC

Start at: 2017-11-16 08:08:26
End at: 2017-11-16 08:08:56
Local clock offset: -1.373 ms
Remote clock offset: -19.516 ms

Below is generated by plot.py at 2017-11-16 14:38:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 55.486 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 38.947 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 56.863 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 39.295 ms
Loss rate: 0.35%

Run 3: Report of PCC — Data Link

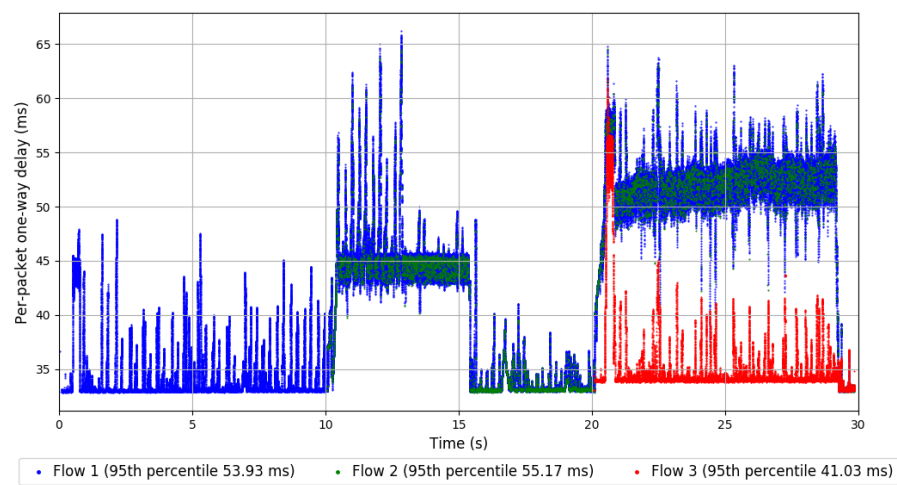
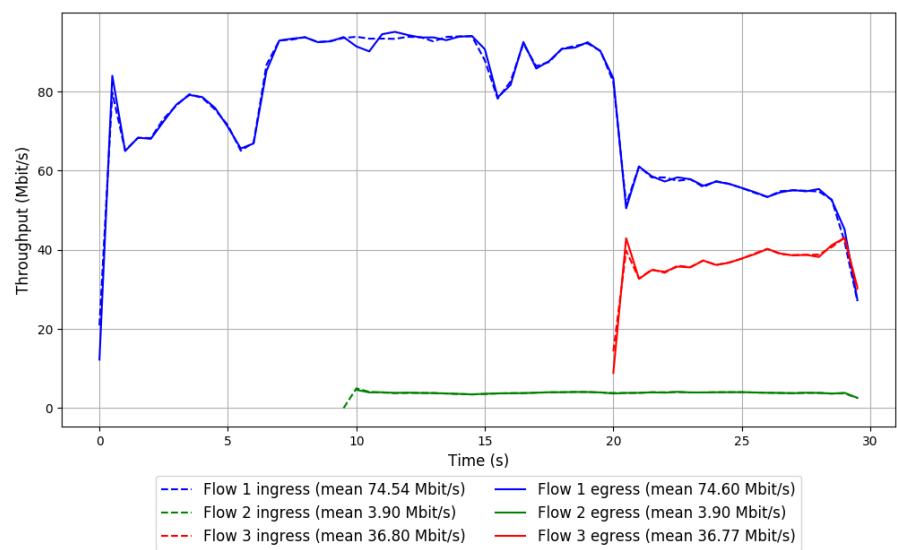


Run 4: Statistics of PCC

Start at: 2017-11-16 08:36:31
End at: 2017-11-16 08:37:01
Local clock offset: 1.467 ms
Remote clock offset: -19.32 ms

Below is generated by plot.py at 2017-11-16 14:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 53.825 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 53.927 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 55.167 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 41.033 ms
Loss rate: 0.30%

Run 4: Report of PCC — Data Link

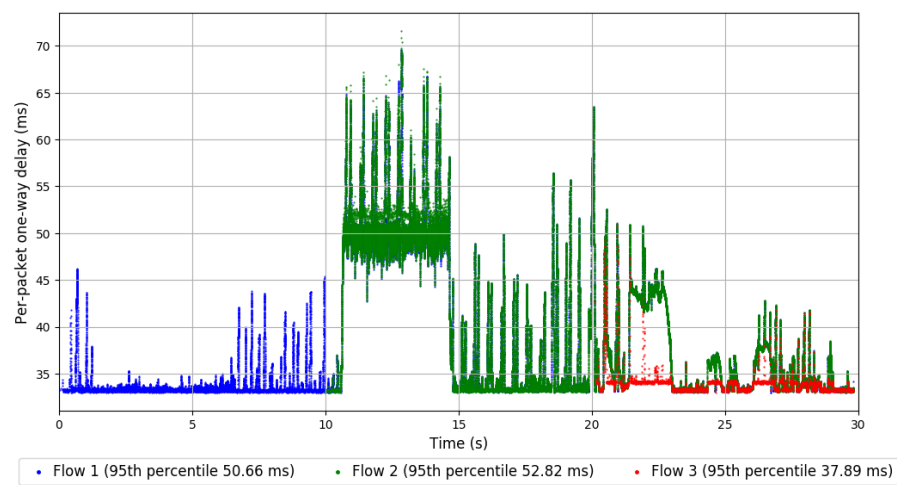
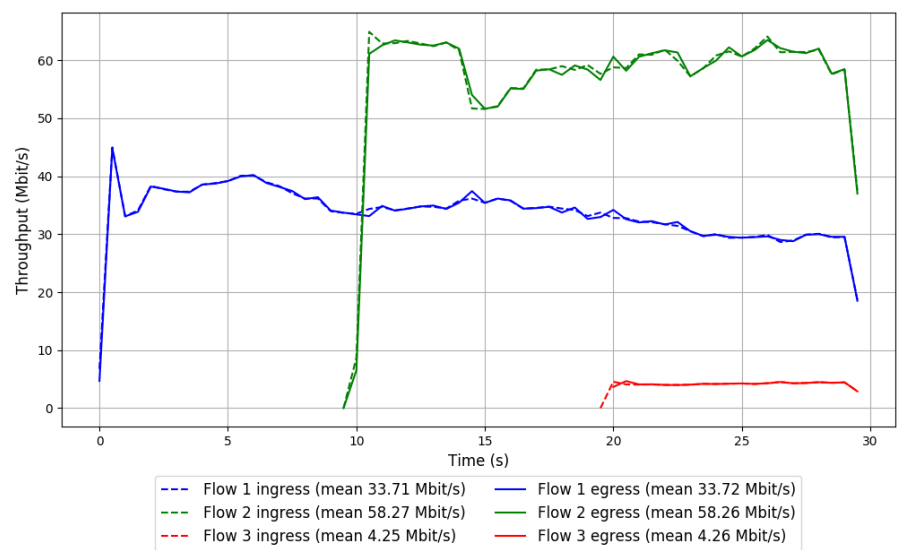


Run 5: Statistics of PCC

Start at: 2017-11-16 09:05:09
End at: 2017-11-16 09:05:39
Local clock offset: 2.504 ms
Remote clock offset: -18.772 ms

Below is generated by plot.py at 2017-11-16 14:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.91 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 50.655 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 52.821 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 37.891 ms
Loss rate: 0.41%

Run 5: Report of PCC — Data Link

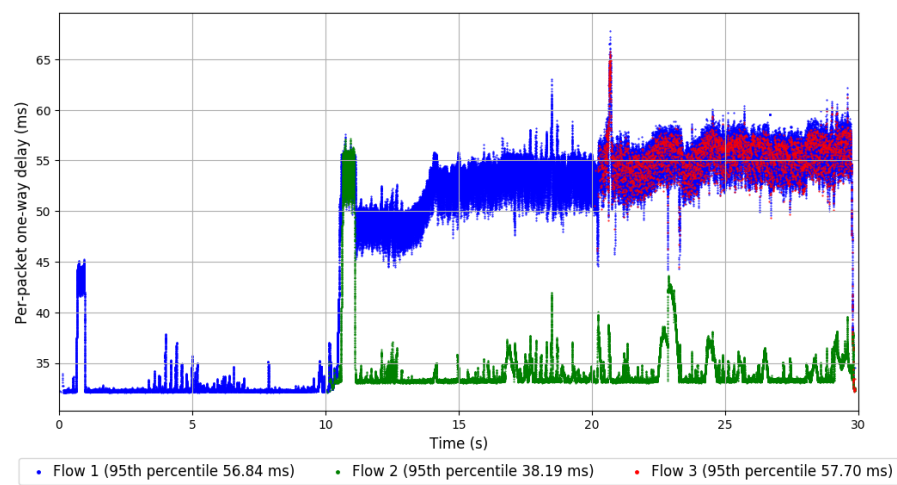
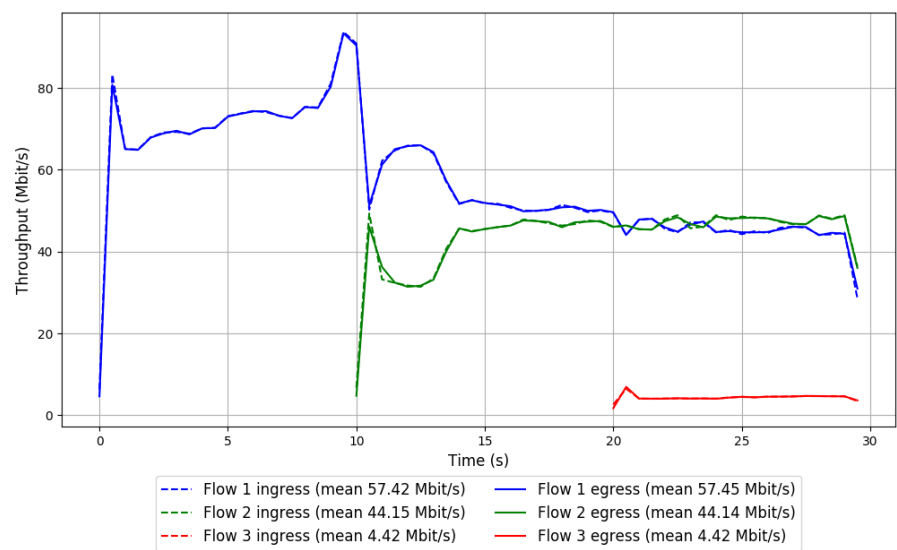


Run 6: Statistics of PCC

Start at: 2017-11-16 09:31:44
End at: 2017-11-16 09:32:14
Local clock offset: 1.236 ms
Remote clock offset: -18.438 ms

Below is generated by plot.py at 2017-11-16 14:39:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 56.477 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 56.843 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 38.189 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 57.697 ms
Loss rate: 0.45%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

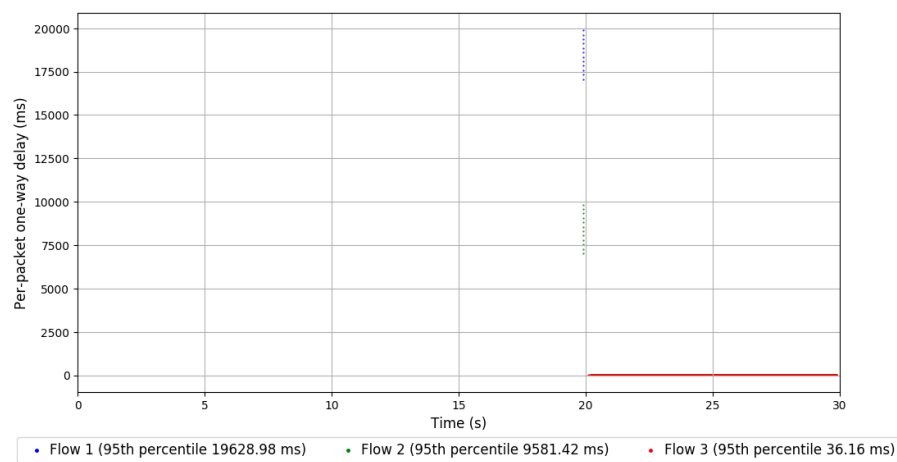
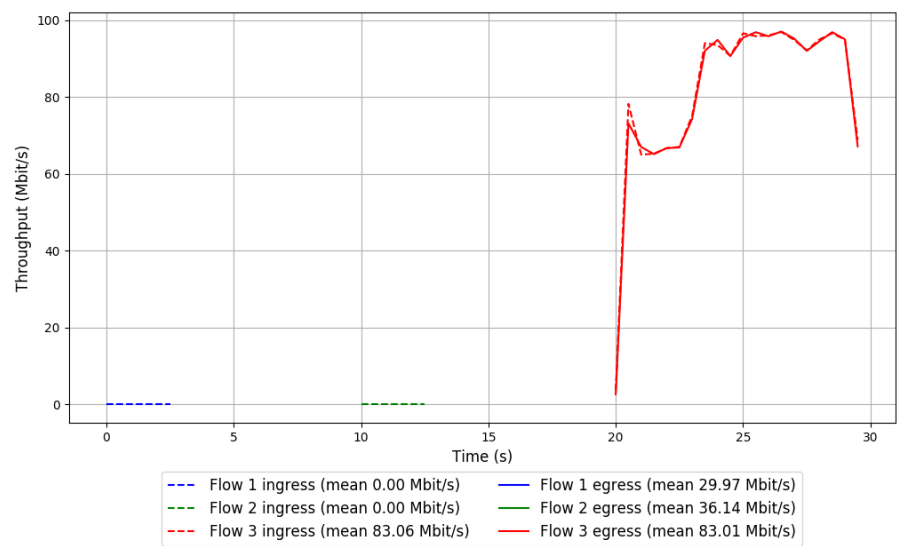
Start at: 2017-11-16 09:51:07

End at: 2017-11-16 09:51:37

Local clock offset: 0.859 ms

Remote clock offset: -16.859 ms

Run 7: Report of PCC — Data Link

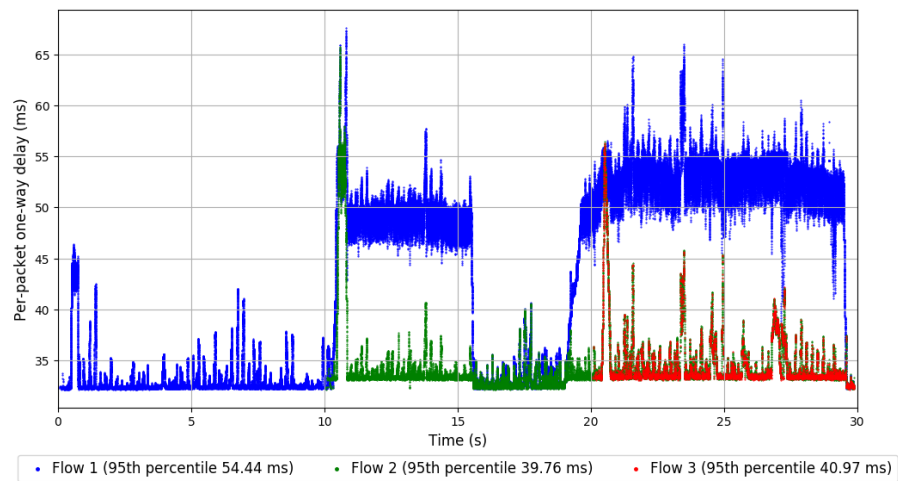
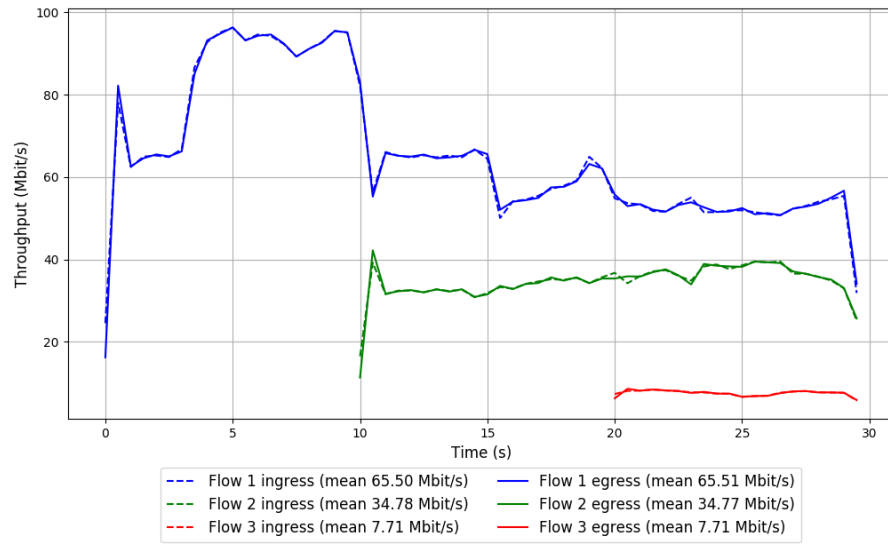


Run 8: Statistics of PCC

Start at: 2017-11-16 10:13:06
End at: 2017-11-16 10:13:36
Local clock offset: 4.08 ms
Remote clock offset: -18.64 ms

Below is generated by plot.py at 2017-11-16 14:40:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 54.105 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 54.444 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 39.764 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 40.970 ms
Loss rate: 0.25%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

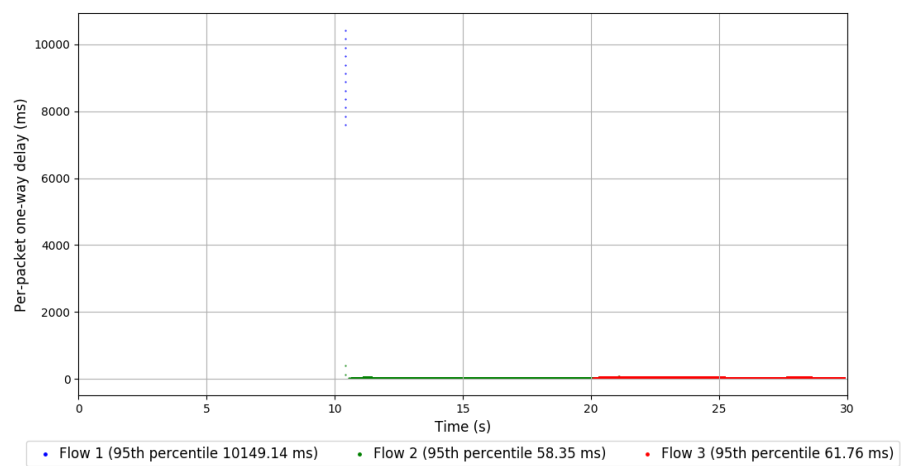
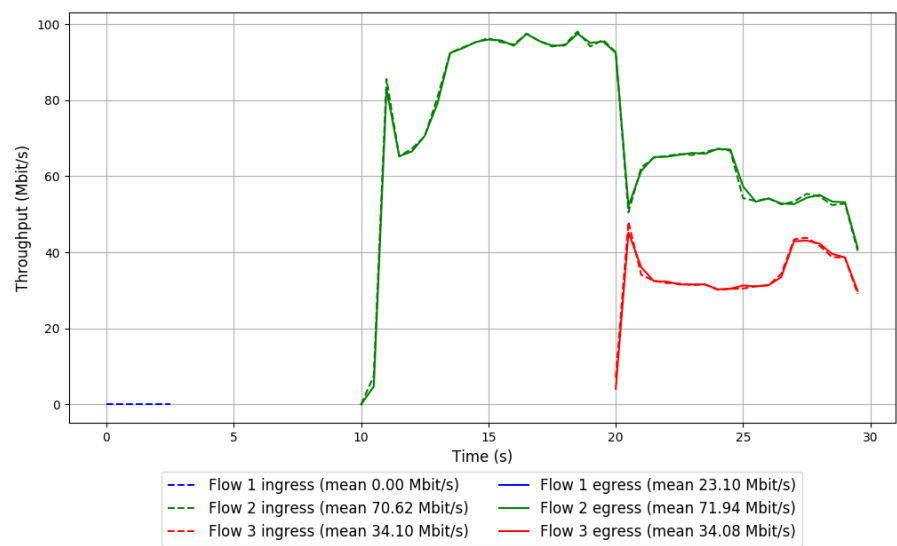
Start at: 2017-11-16 10:33:22

End at: 2017-11-16 10:33:52

Local clock offset: 3.962 ms

Remote clock offset: -17.866 ms

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

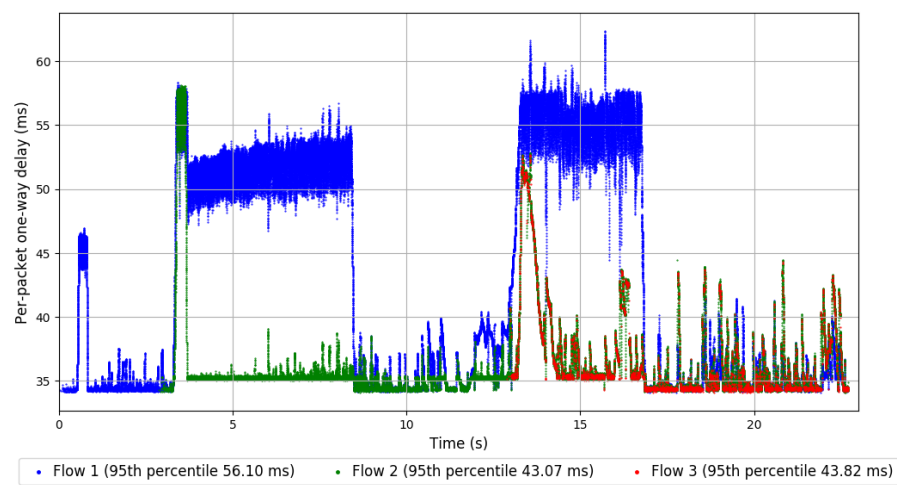
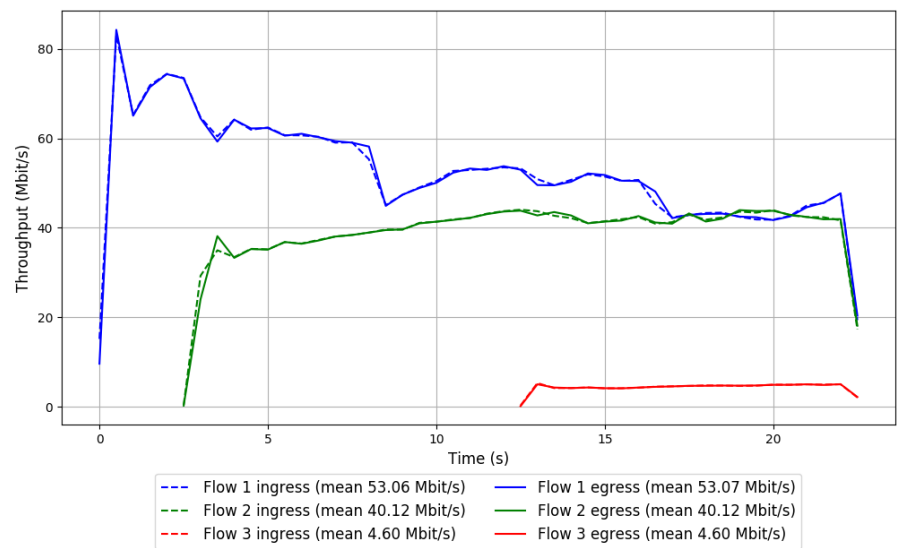
Start at: 2017-11-16 10:52:25

End at: 2017-11-16 10:52:55

Local clock offset: 3.212 ms

Remote clock offset: -17.179 ms

Run 10: Report of PCC — Data Link

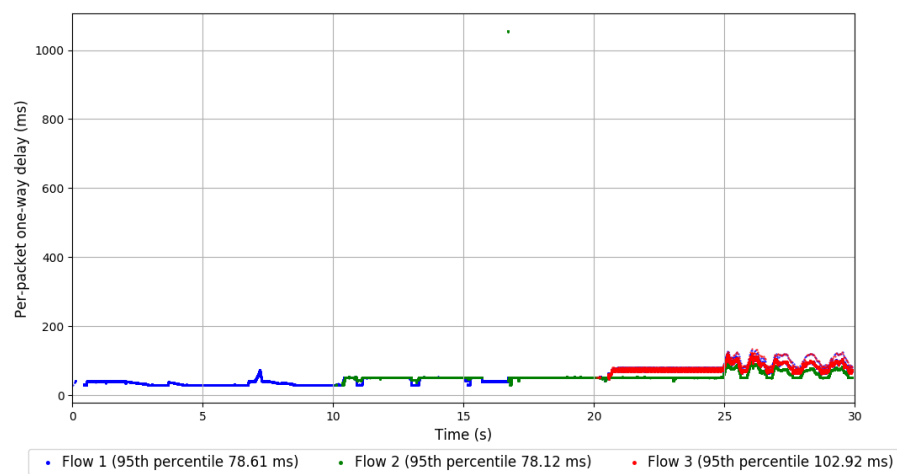
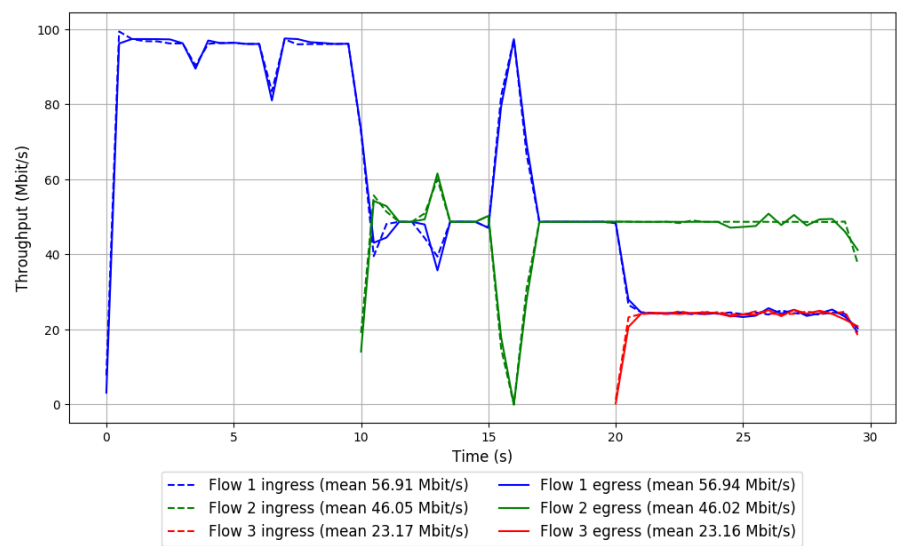


Run 1: Statistics of QUIC Cubic

Start at: 2017-11-16 07:29:21
End at: 2017-11-16 07:29:51
Local clock offset: 1.69 ms
Remote clock offset: -15.421 ms

Below is generated by plot.py at 2017-11-16 14:40:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 88.077 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 78.612 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 78.121 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 102.922 ms
Loss rate: 0.75%

Run 1: Report of QUIC Cubic — Data Link

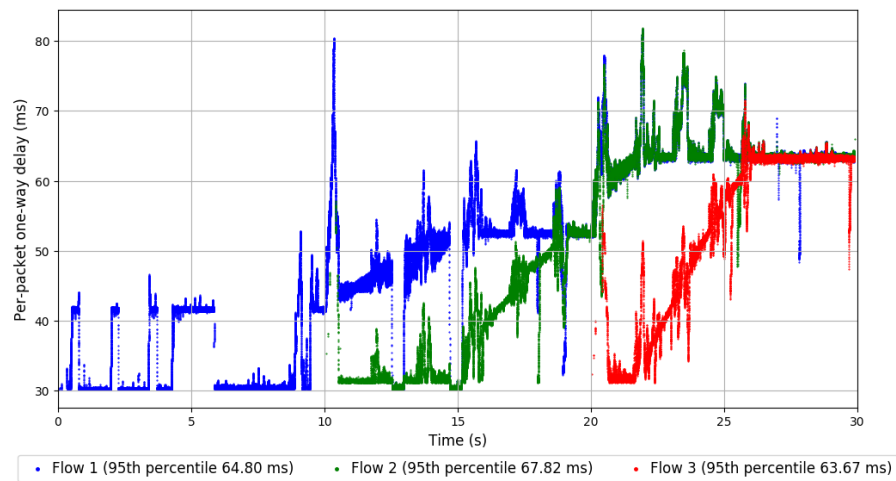
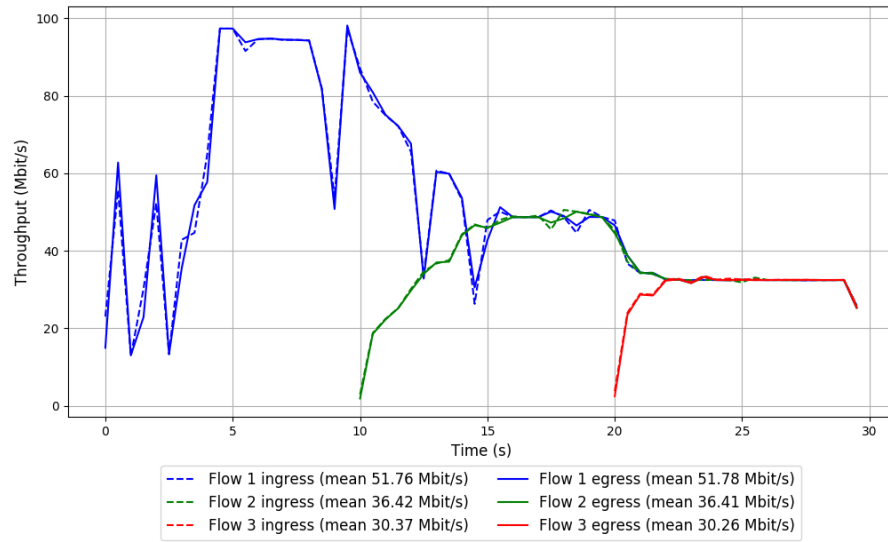


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-16 07:49:38
End at: 2017-11-16 07:50:08
Local clock offset: -0.441 ms
Remote clock offset: -17.672 ms

Below is generated by plot.py at 2017-11-16 14:40:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 65.277 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 51.78 Mbit/s
95th percentile per-packet one-way delay: 64.795 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 67.816 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 63.675 ms
Loss rate: 0.77%

Run 2: Report of QUIC Cubic — Data Link

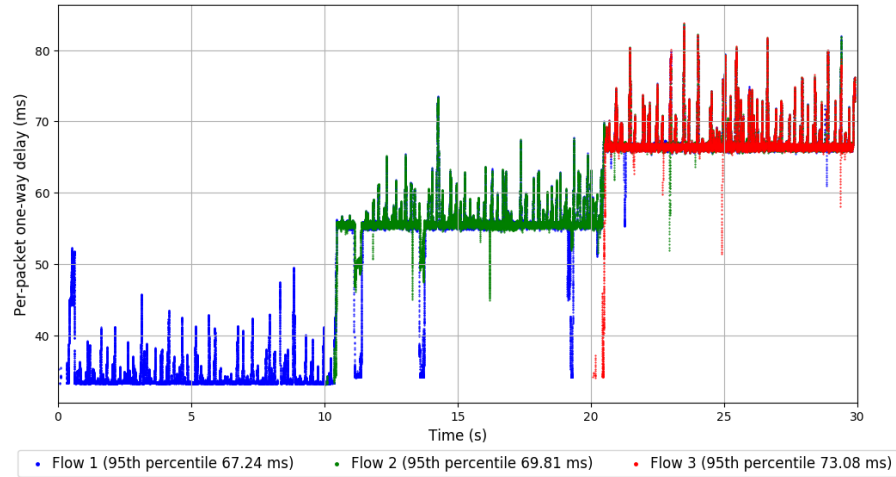
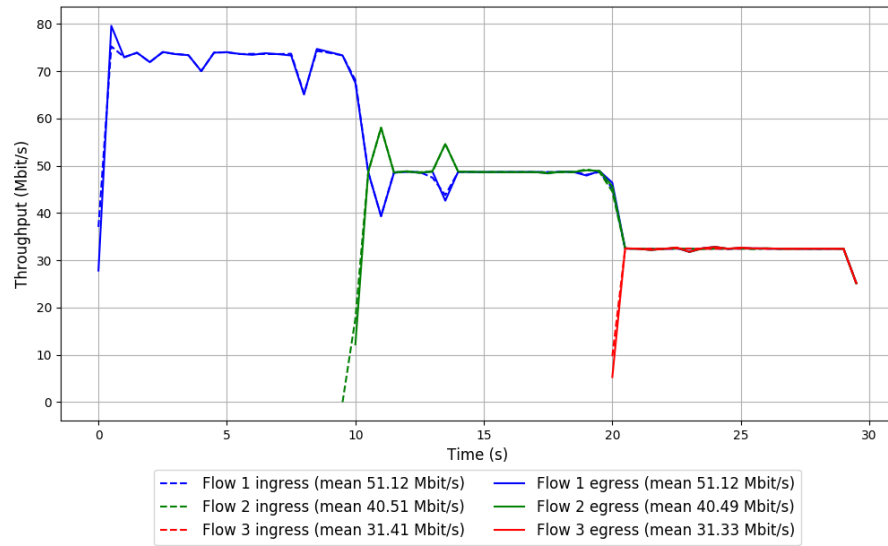


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-16 08:14:16
End at: 2017-11-16 08:14:46
Local clock offset: 0.637 ms
Remote clock offset: -20.153 ms

Below is generated by plot.py at 2017-11-16 14:41:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.35 Mbit/s
95th percentile per-packet one-way delay: 69.447 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 67.239 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 69.813 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 73.077 ms
Loss rate: 0.68%

Run 3: Report of QUIC Cubic — Data Link

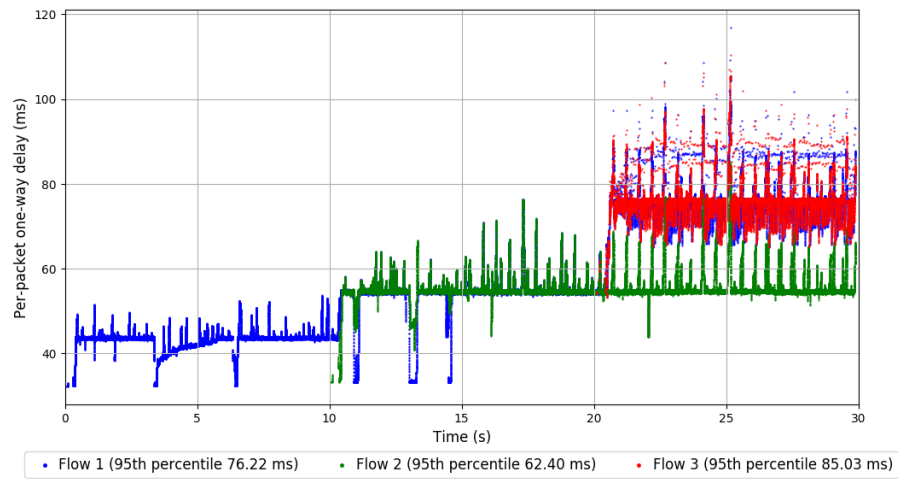
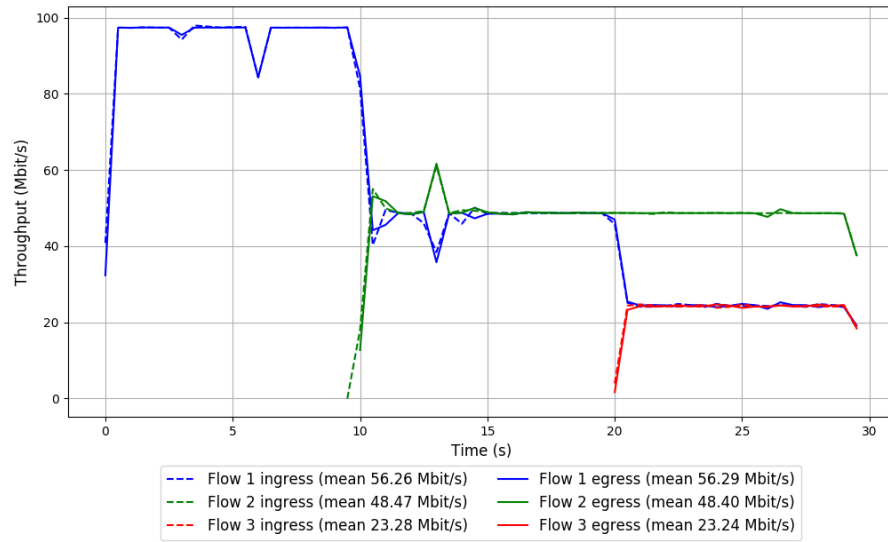


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-16 08:42:04
End at: 2017-11-16 08:42:35
Local clock offset: -0.536 ms
Remote clock offset: -20.155 ms

Below is generated by plot.py at 2017-11-16 14:41:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 76.324 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 76.222 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 62.403 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.24 Mbit/s
95th percentile per-packet one-way delay: 85.030 ms
Loss rate: 0.82%

Run 4: Report of QUIC Cubic — Data Link

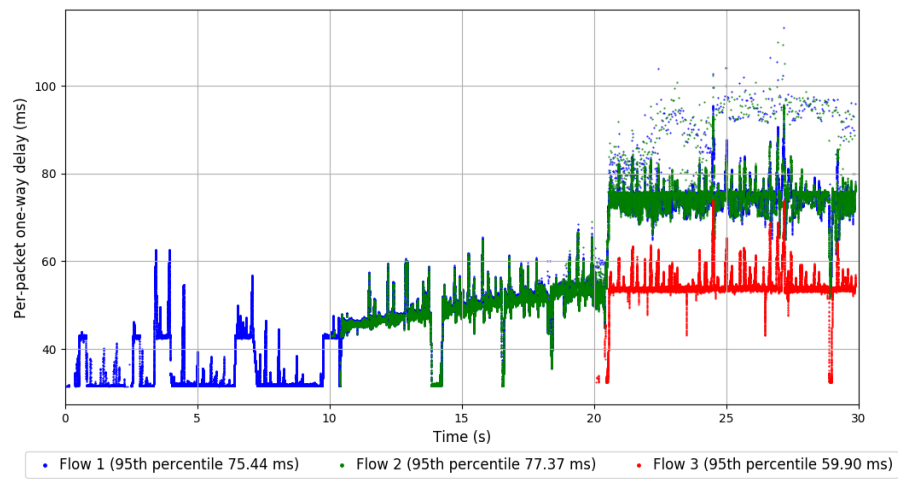
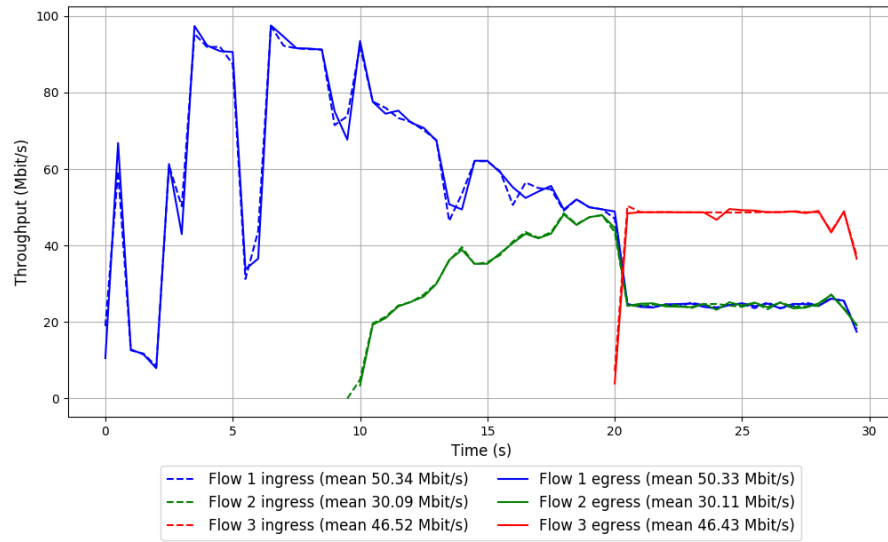


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-16 09:12:47
End at: 2017-11-16 09:13:17
Local clock offset: 2.357 ms
Remote clock offset: -17.607 ms

Below is generated by plot.py at 2017-11-16 14:41:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 75.550 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 75.445 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 77.367 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 59.902 ms
Loss rate: 0.67%

Run 5: Report of QUIC Cubic — Data Link

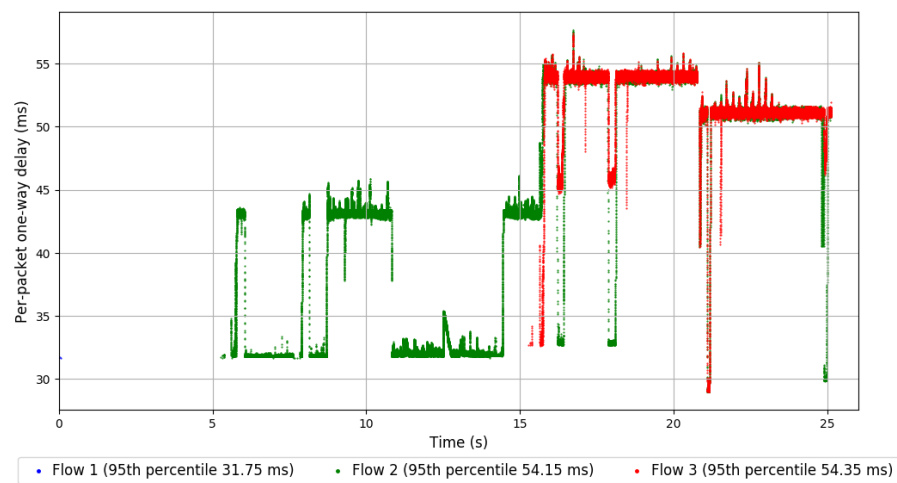
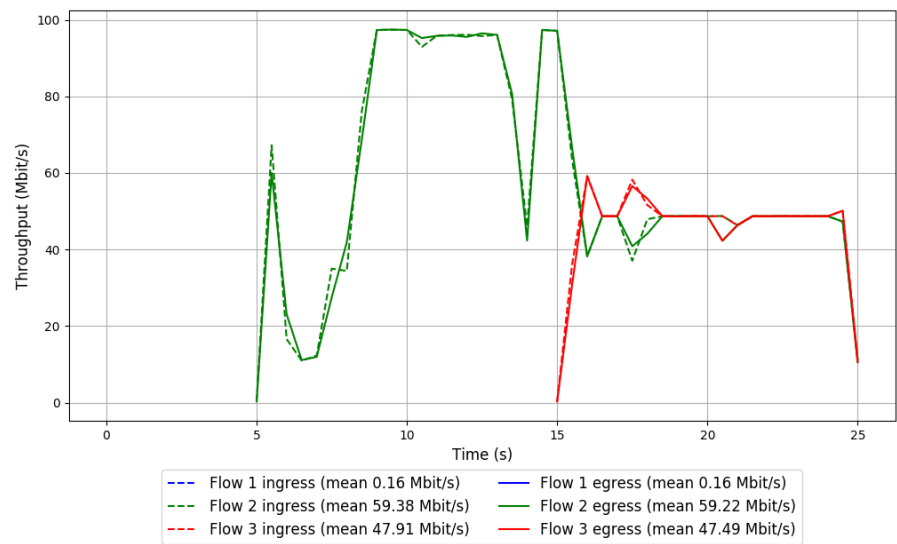


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-16 09:36:07
End at: 2017-11-16 09:36:37
Local clock offset: 1.44 ms
Remote clock offset: -17.343 ms

Below is generated by plot.py at 2017-11-16 14:41:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 54.251 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 31.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 54.149 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 54.349 ms
Loss rate: 1.29%

Run 6: Report of QUIC Cubic — Data Link

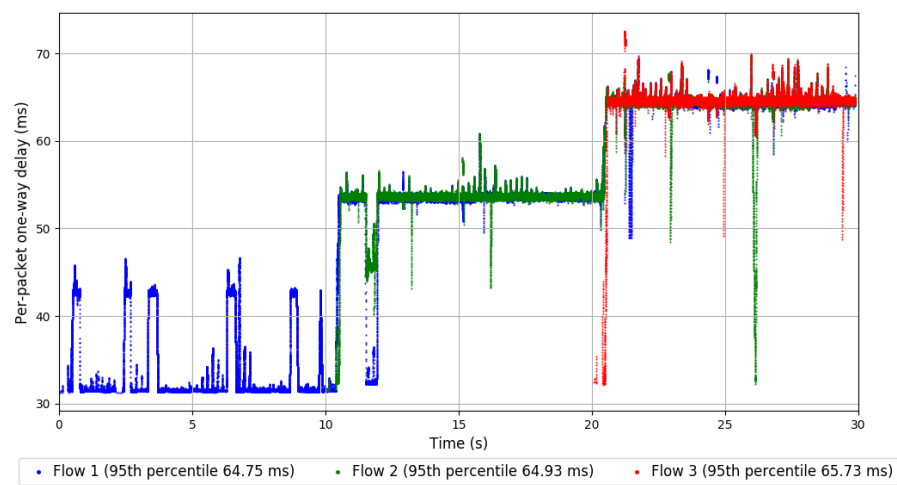
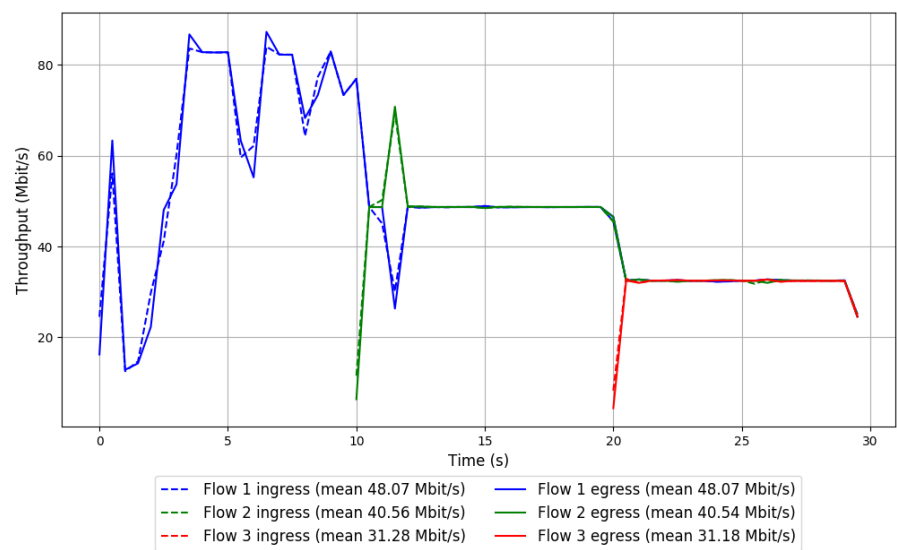


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-16 09:55:25
End at: 2017-11-16 09:55:55
Local clock offset: 0.403 ms
Remote clock offset: -17.721 ms

Below is generated by plot.py at 2017-11-16 14:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 64.935 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 64.754 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 64.933 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 65.733 ms
Loss rate: 0.75%

Run 7: Report of QUIC Cubic — Data Link

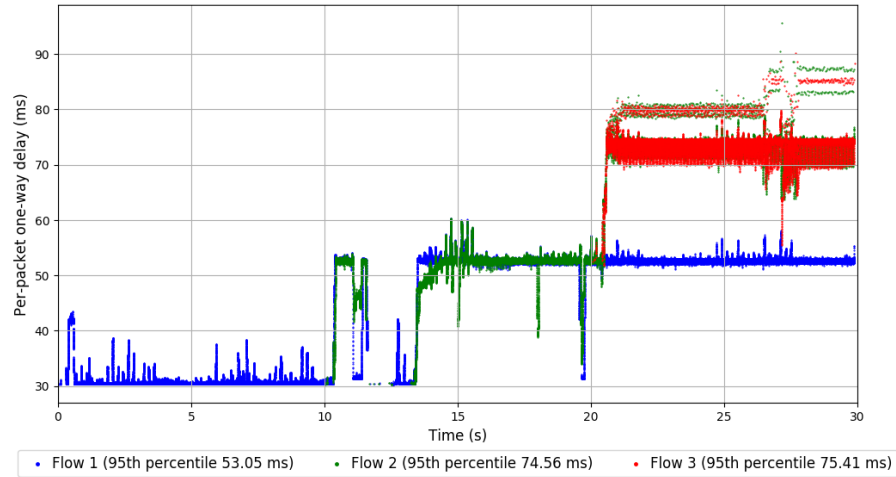
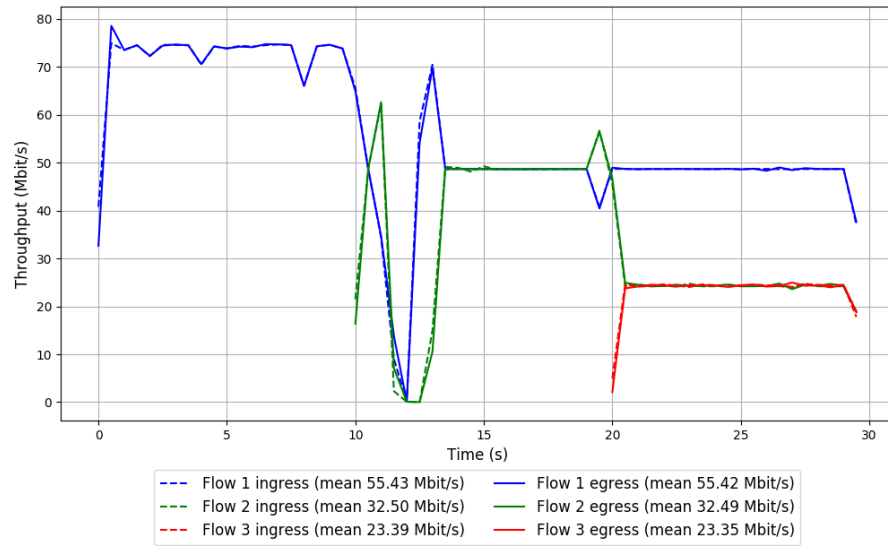


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-16 10:17:56
End at: 2017-11-16 10:18:26
Local clock offset: 1.378 ms
Remote clock offset: -19.037 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 74.401 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 53.052 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 74.565 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 75.411 ms
Loss rate: 0.65%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

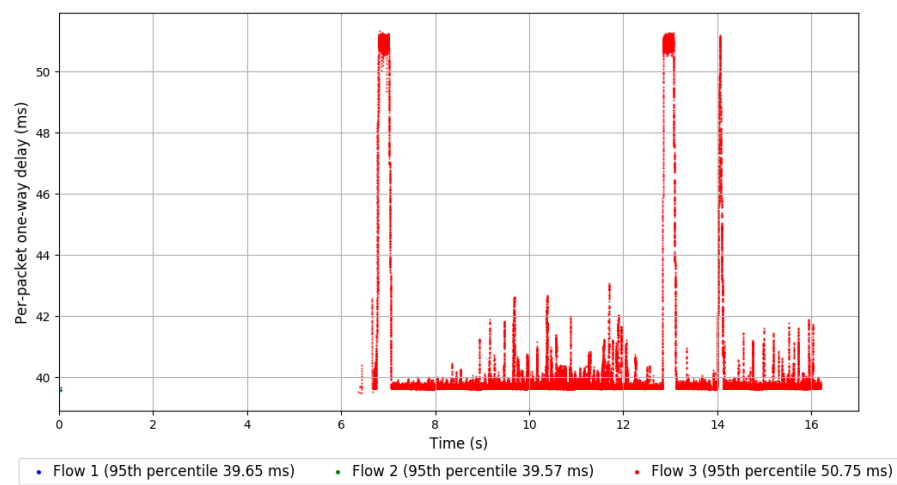
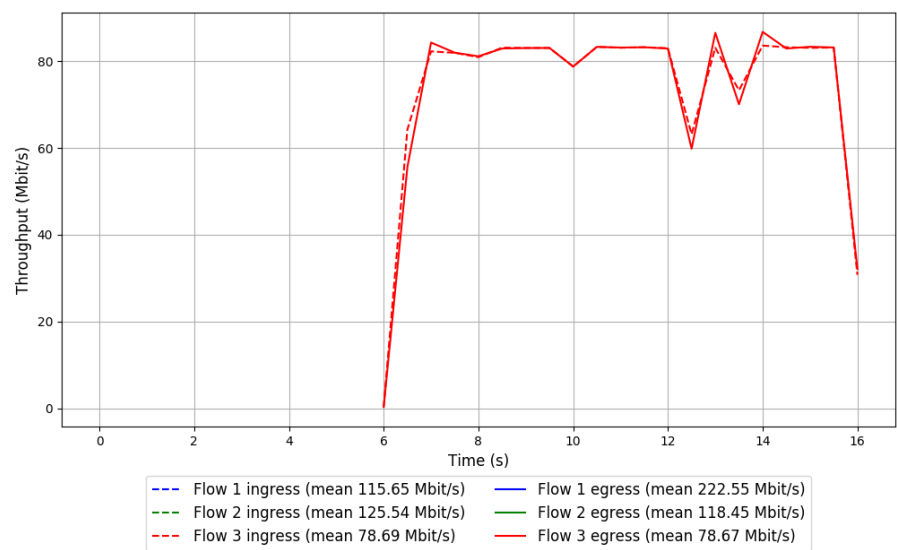
Start at: 2017-11-16 10:37:29

End at: 2017-11-16 10:37:59

Local clock offset: 2.691 ms

Remote clock offset: -17.173 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

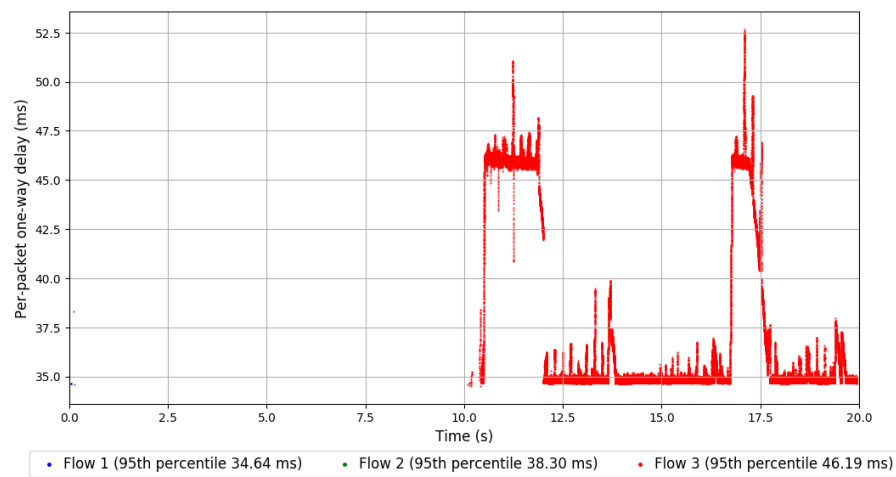
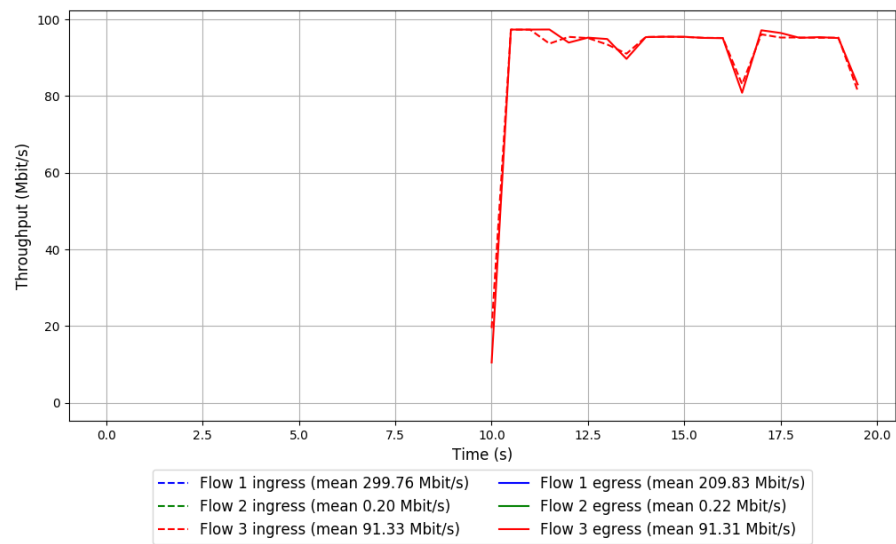
Start at: 2017-11-16 10:56:38

End at: 2017-11-16 10:57:08

Local clock offset: 3.663 ms

Remote clock offset: -17.296 ms

Run 10: Report of QUIC Cubic — Data Link

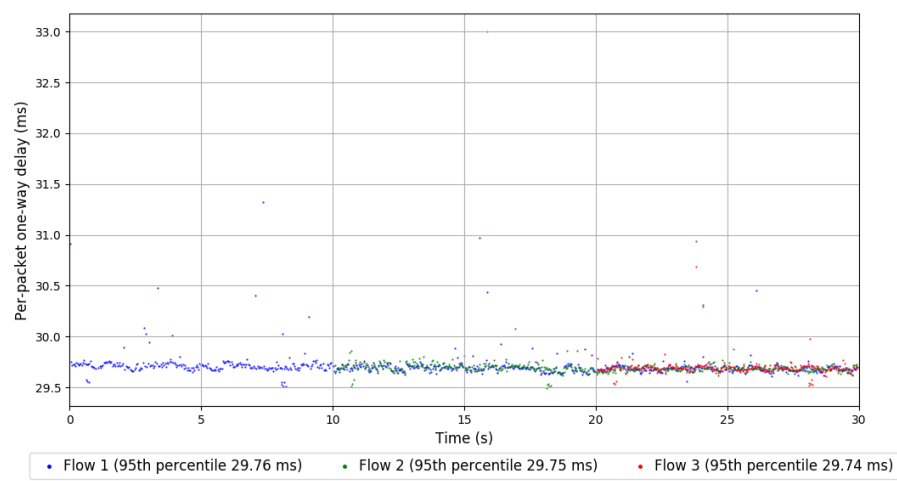
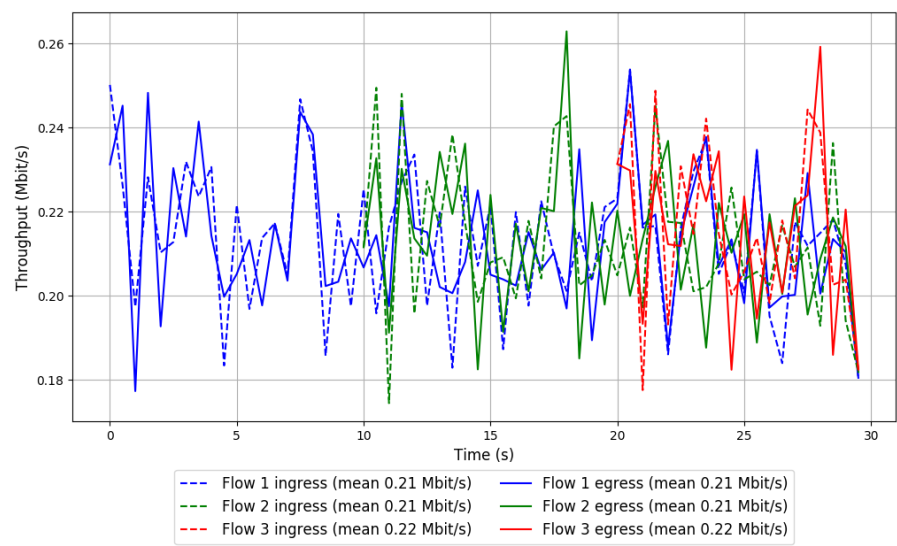


```
Run 1: Statistics of SCReAM

Start at: 2017-11-16 07:37:46
End at: 2017-11-16 07:38:16
Local clock offset: 0.094 ms
Remote clock offset: -17.925 ms

# Below is generated by plot.py at 2017-11-16 14:41:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 29.758 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.763 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 29.755 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.741 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

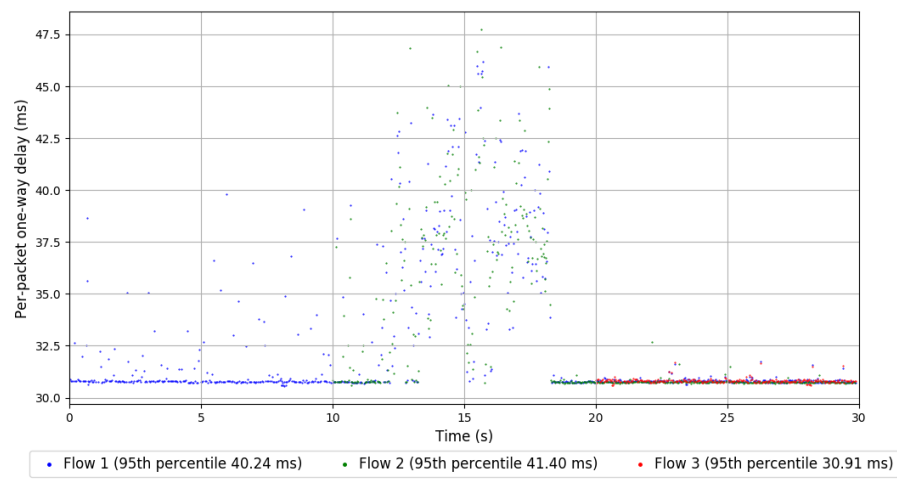
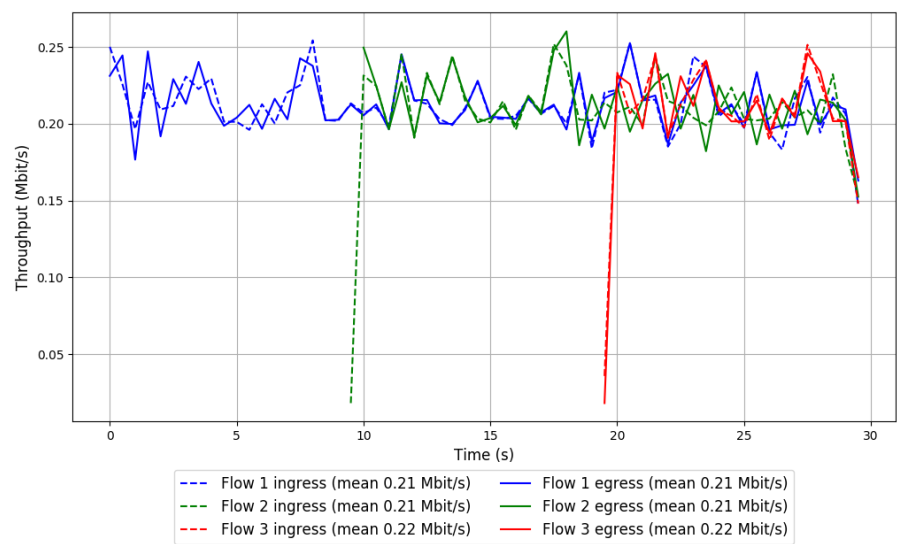


Run 2: Statistics of SReAM

Start at: 2017-11-16 07:58:54
End at: 2017-11-16 07:59:24
Local clock offset: -0.246 ms
Remote clock offset: -18.052 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 40.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 40.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 41.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.907 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

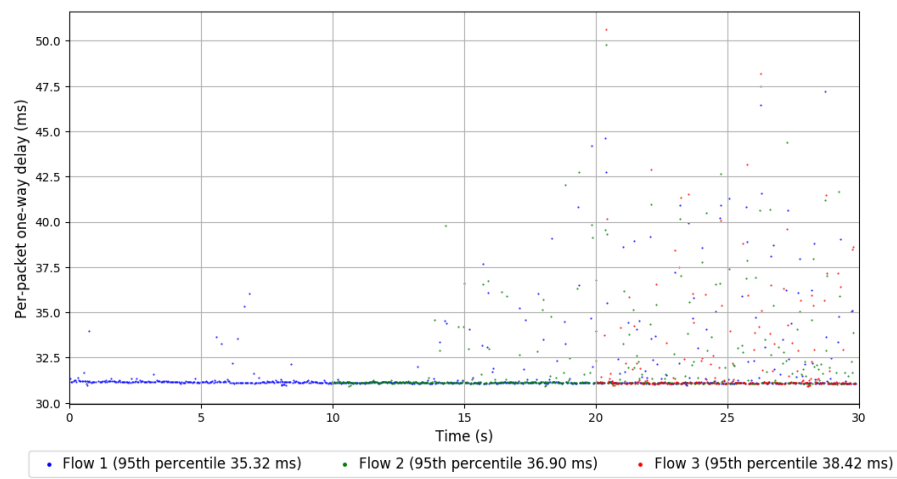
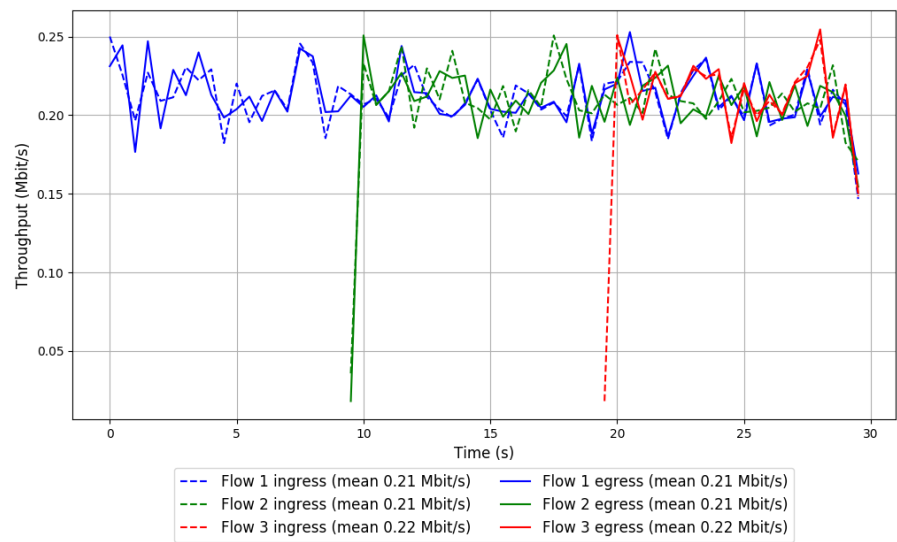


Run 3: Statistics of SReAM

Start at: 2017-11-16 08:25:51
End at: 2017-11-16 08:26:21
Local clock offset: 0.105 ms
Remote clock offset: -19.035 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.562 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.903 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.420 ms
Loss rate: 0.36%

Run 3: Report of SReAM — Data Link

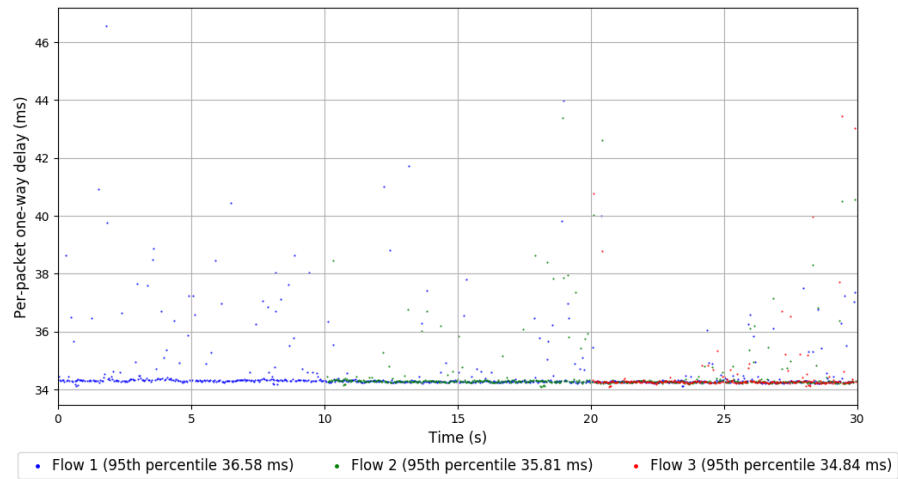
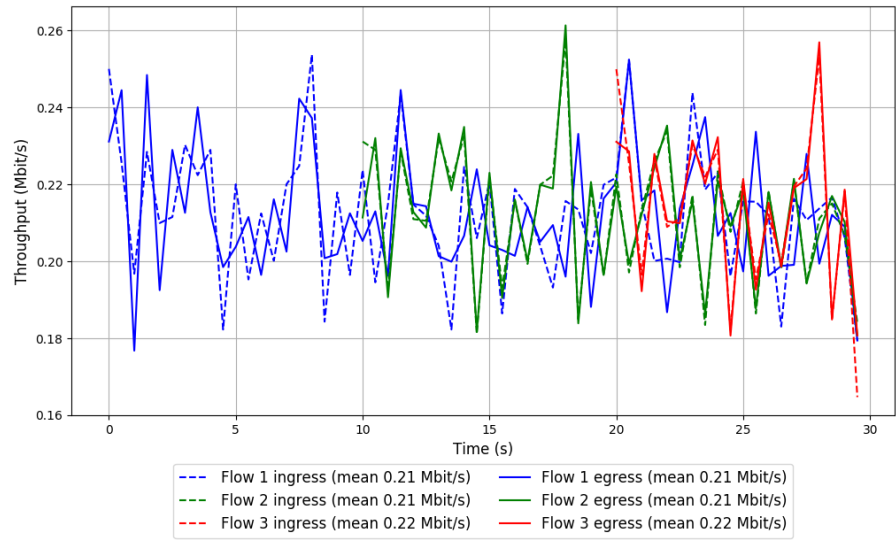


Run 4: Statistics of SReAM

Start at: 2017-11-16 08:53:40
End at: 2017-11-16 08:54:10
Local clock offset: 0.891 ms
Remote clock offset: -20.767 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 36.222 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.577 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.812 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.840 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

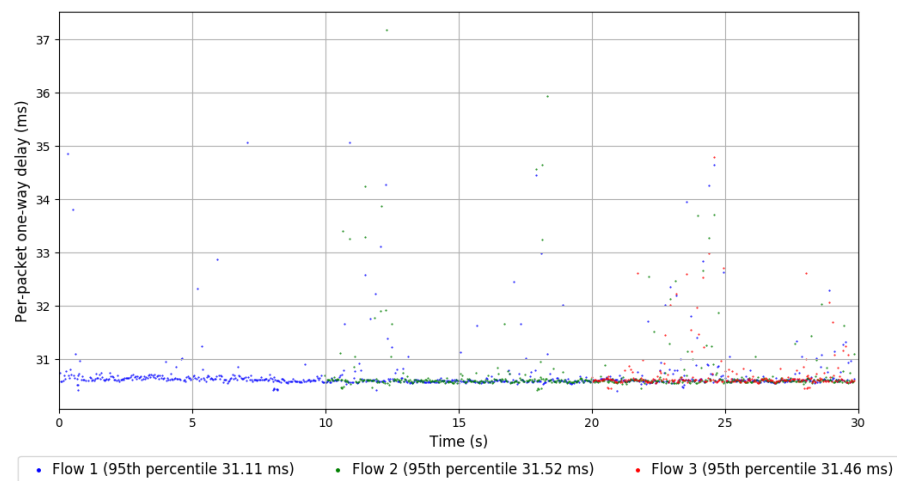
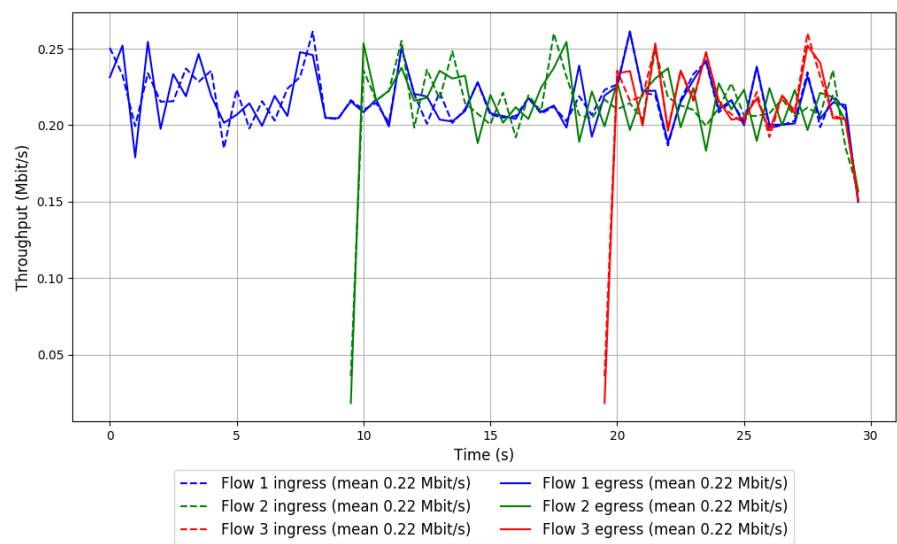


Run 5: Statistics of SReAM

Start at: 2017-11-16 09:23:37
End at: 2017-11-16 09:24:07
Local clock offset: 0.796 ms
Remote clock offset: -18.872 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.285 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.105 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.462 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

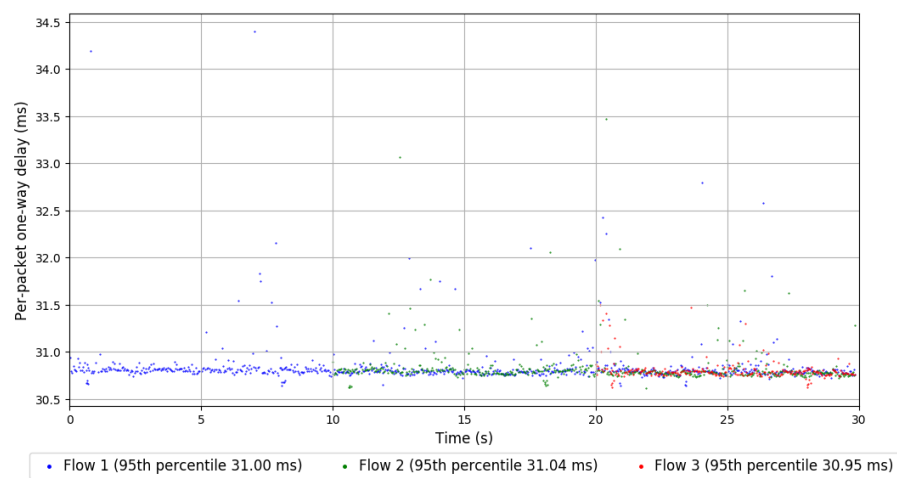
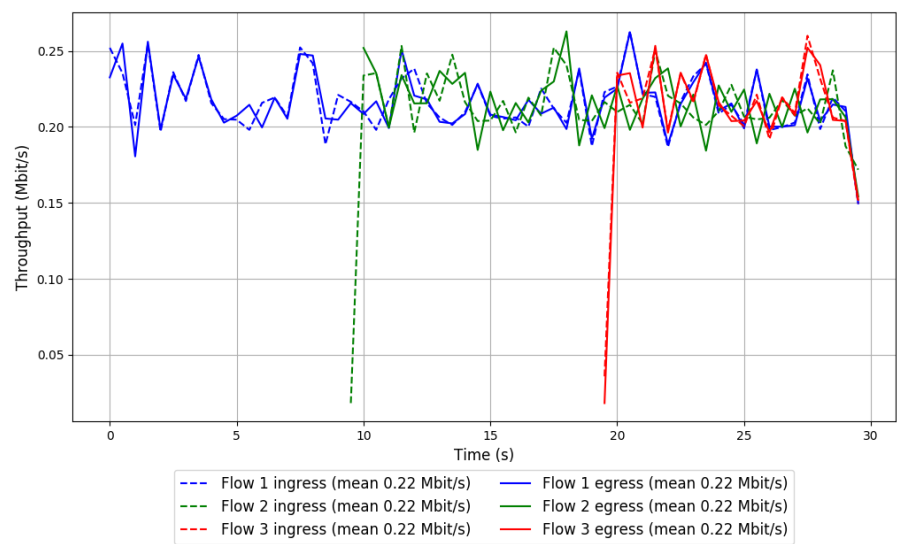


Run 6: Statistics of SReAM

Start at: 2017-11-16 09:44:19
End at: 2017-11-16 09:44:49
Local clock offset: 2.563 ms
Remote clock offset: -14.946 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.003 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.041 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.948 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

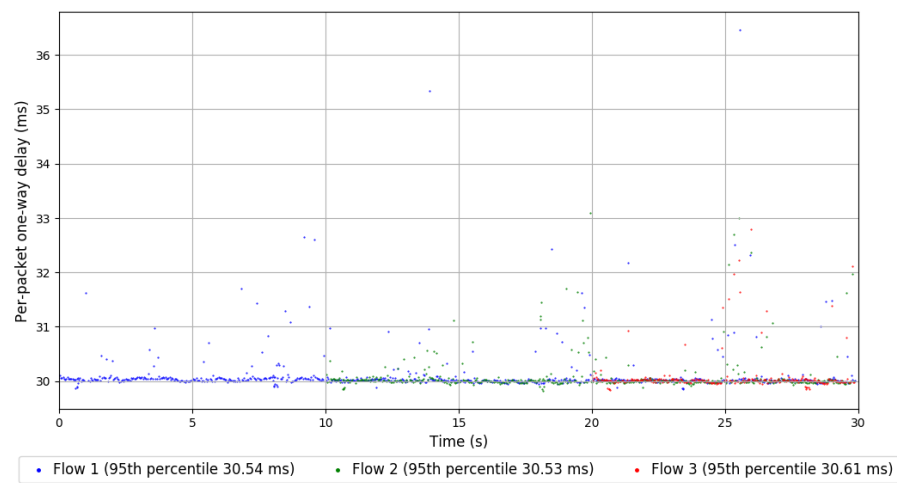
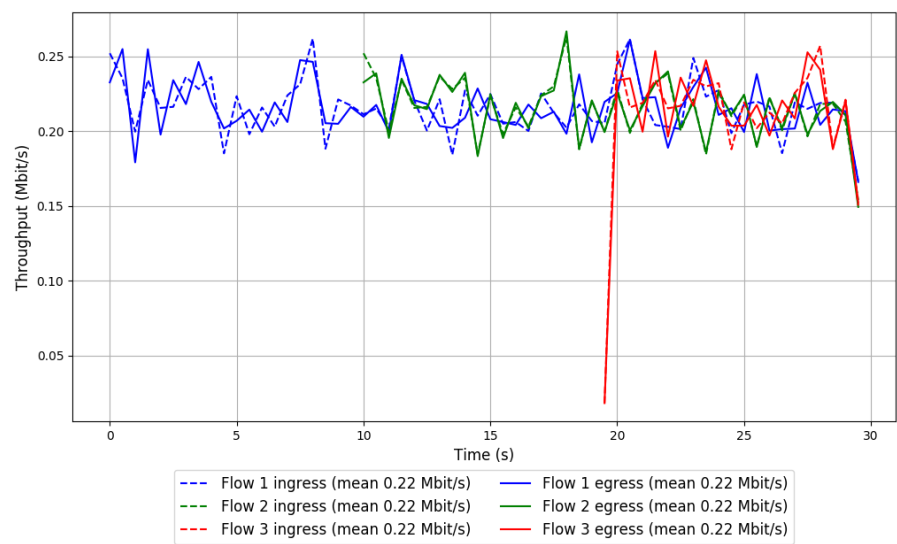


Run 7: Statistics of SReAM

Start at: 2017-11-16 10:04:08
End at: 2017-11-16 10:04:38
Local clock offset: -2.47 ms
Remote clock offset: -19.791 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.541 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.544 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.531 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.611 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

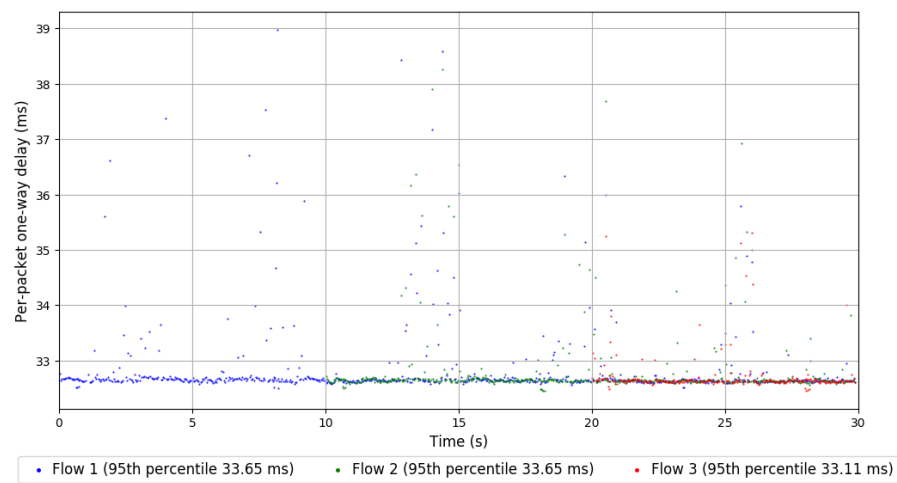
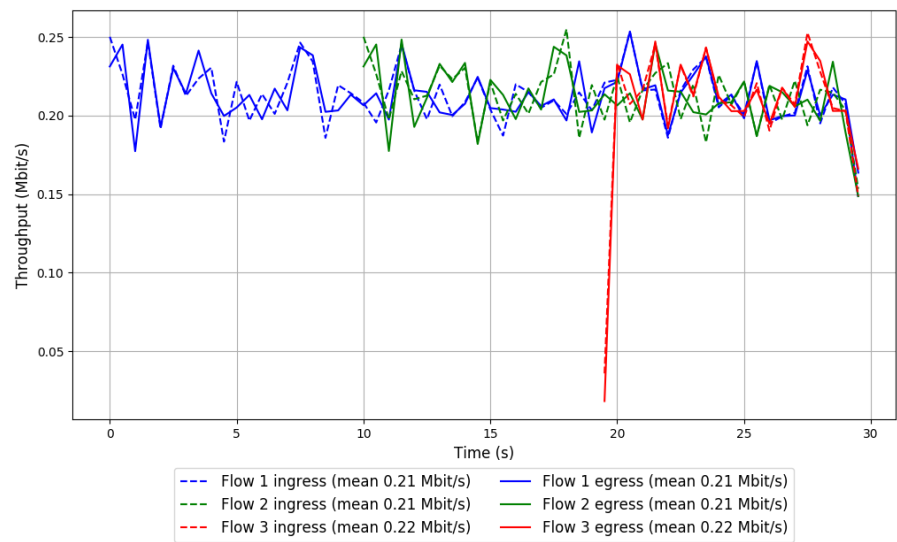


Run 8: Statistics of SReAM

Start at: 2017-11-16 10:26:21
End at: 2017-11-16 10:26:51
Local clock offset: 4.715 ms
Remote clock offset: -17.674 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.593 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.647 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.108 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

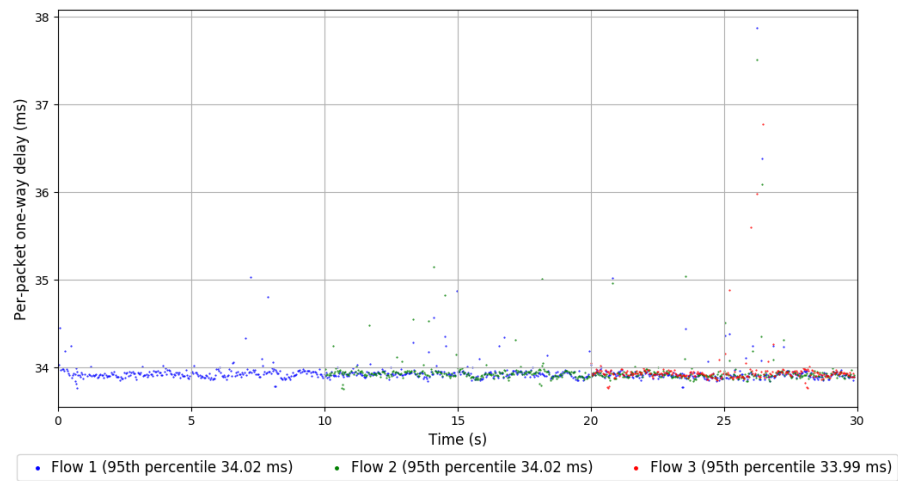
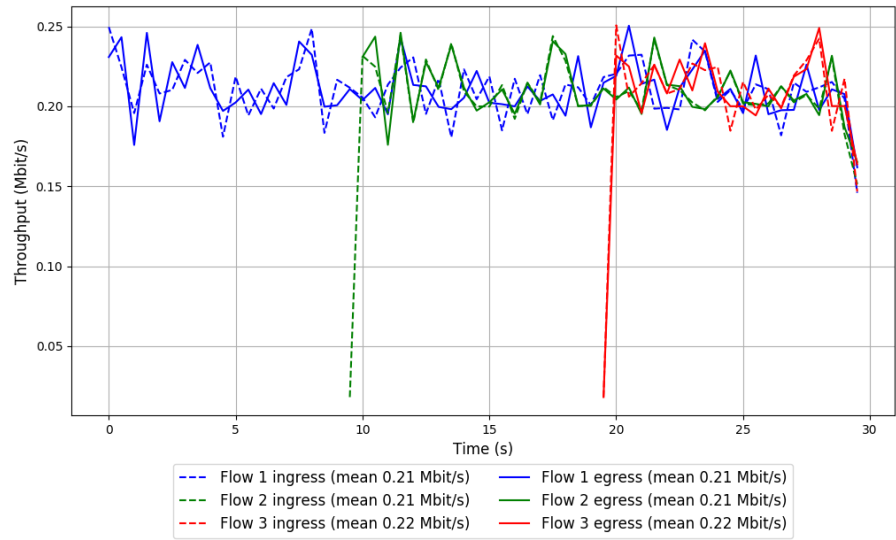


Run 9: Statistics of SReAM

Start at: 2017-11-16 10:45:35
End at: 2017-11-16 10:46:05
Local clock offset: 2.343 ms
Remote clock offset: -17.176 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 34.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.987 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

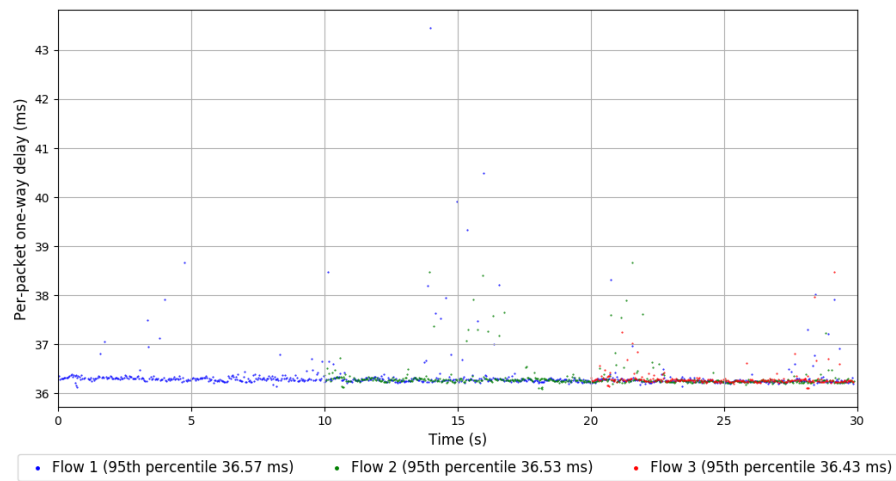
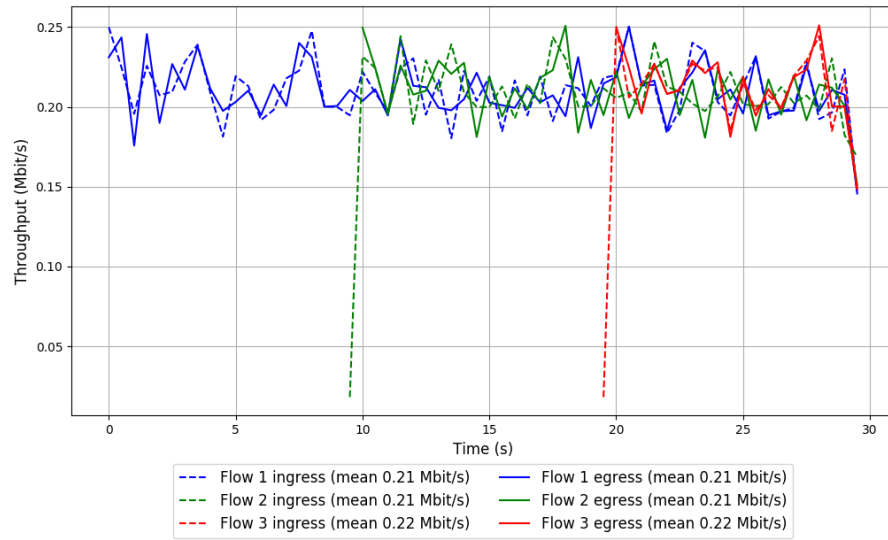


Run 10: Statistics of SReAM

Start at: 2017-11-16 11:04:47
End at: 2017-11-16 11:05:17
Local clock offset: 5.725 ms
Remote clock offset: -17.184 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 36.530 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.568 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 36.530 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.426 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link

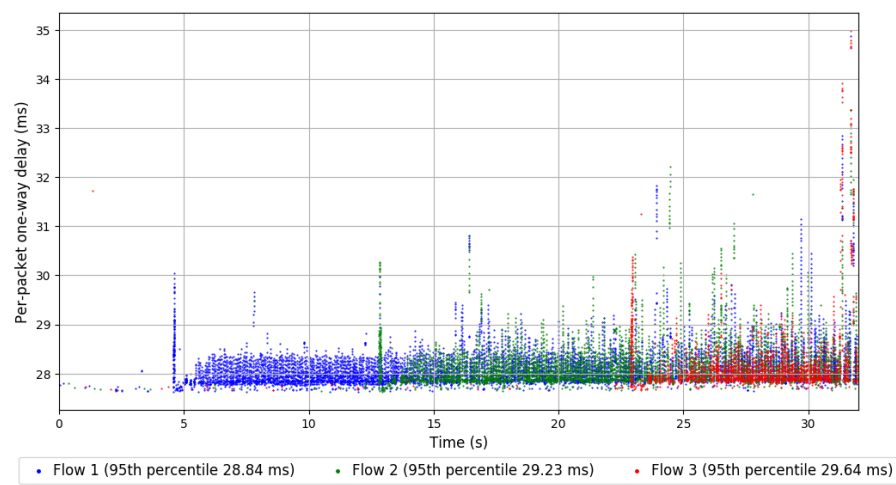
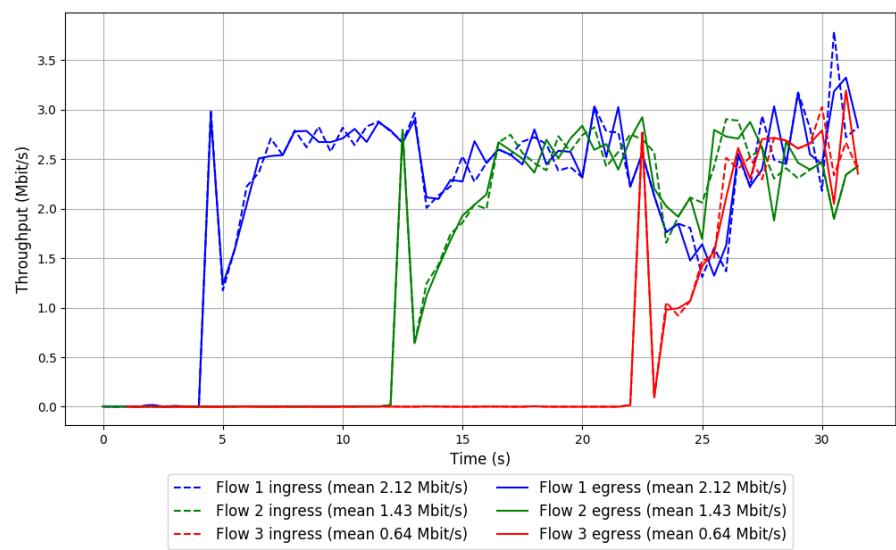


Run 1: Statistics of WebRTC media

Start at: 2017-11-16 07:31:05
End at: 2017-11-16 07:31:35
Local clock offset: -0.583 ms
Remote clock offset: -16.752 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 29.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 28.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 29.642 ms
Loss rate: 0.10%

Run 1: Report of WebRTC media — Data Link

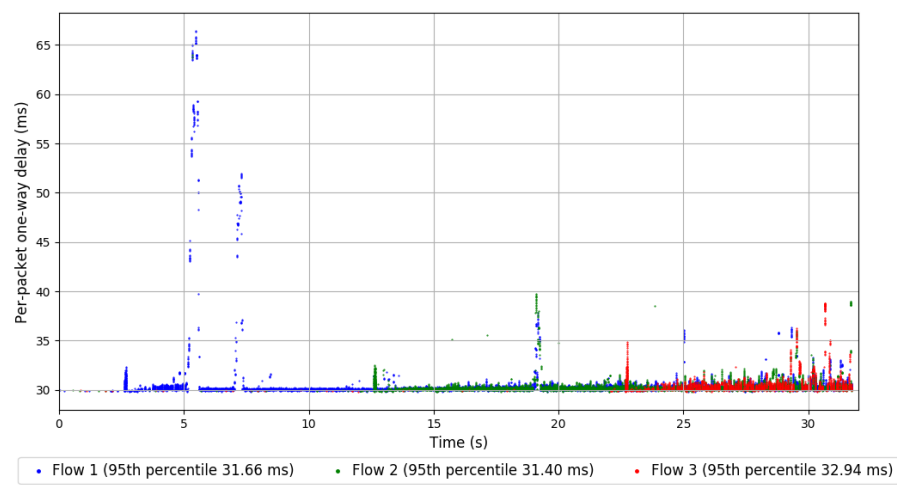
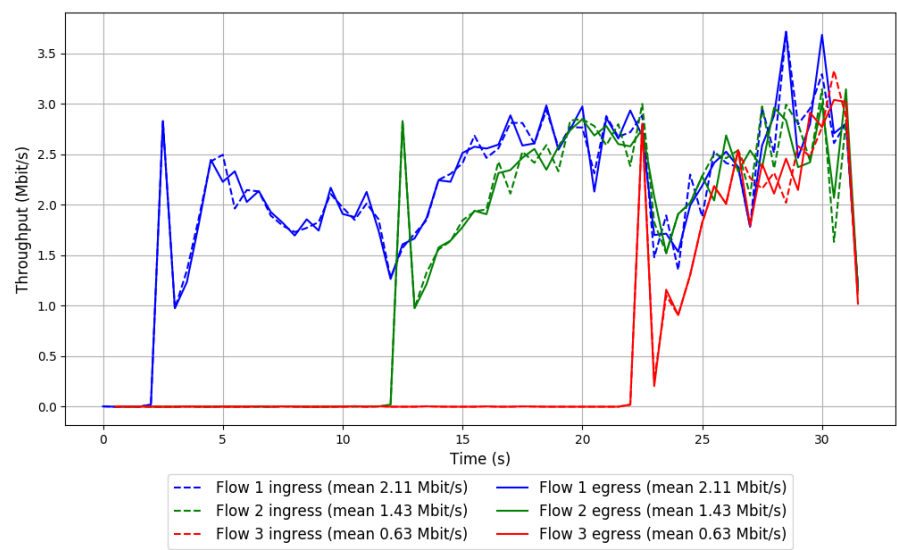


Run 2: Statistics of WebRTC media

Start at: 2017-11-16 07:51:01
End at: 2017-11-16 07:51:31
Local clock offset: -0.811 ms
Remote clock offset: -17.816 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 31.753 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 31.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.403 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 32.936 ms
Loss rate: 0.51%

Run 2: Report of WebRTC media — Data Link

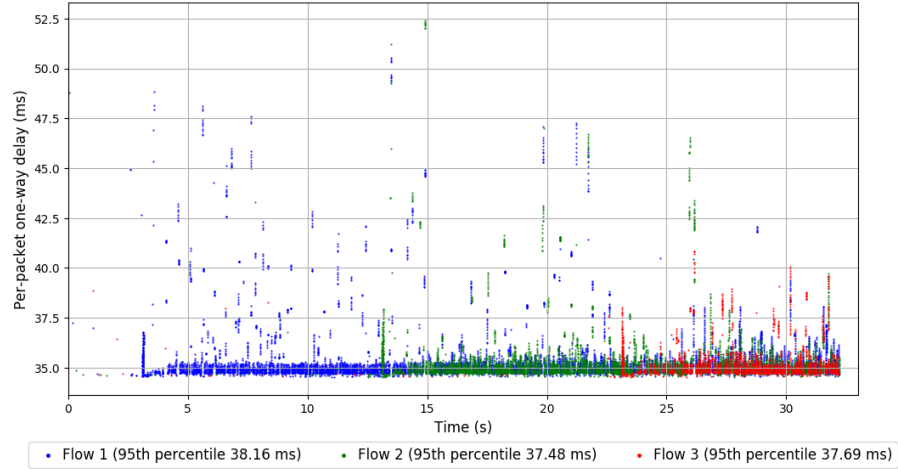
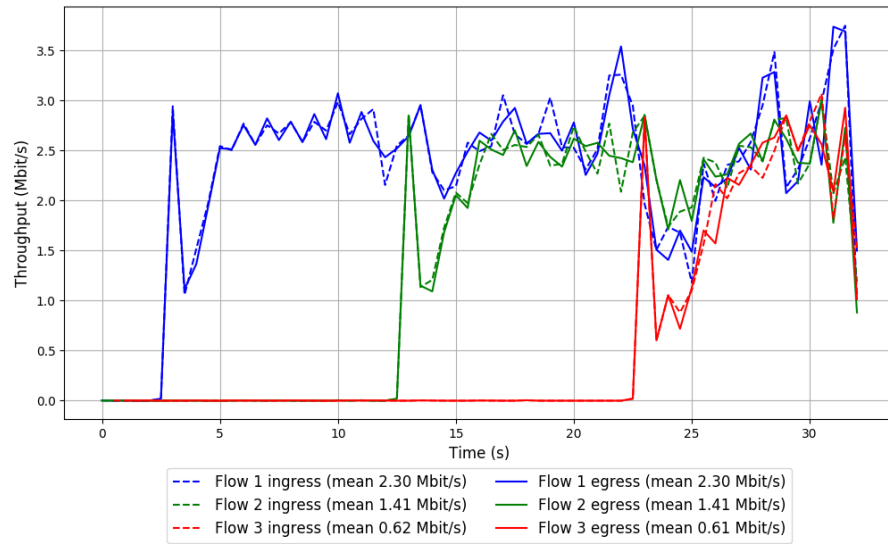


Run 3: Statistics of WebRTC media

Start at: 2017-11-16 08:16:26
End at: 2017-11-16 08:16:57
Local clock offset: 1.128 ms
Remote clock offset: -21.205 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 37.877 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 38.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 37.480 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 37.691 ms
Loss rate: 1.27%

Run 3: Report of WebRTC media — Data Link

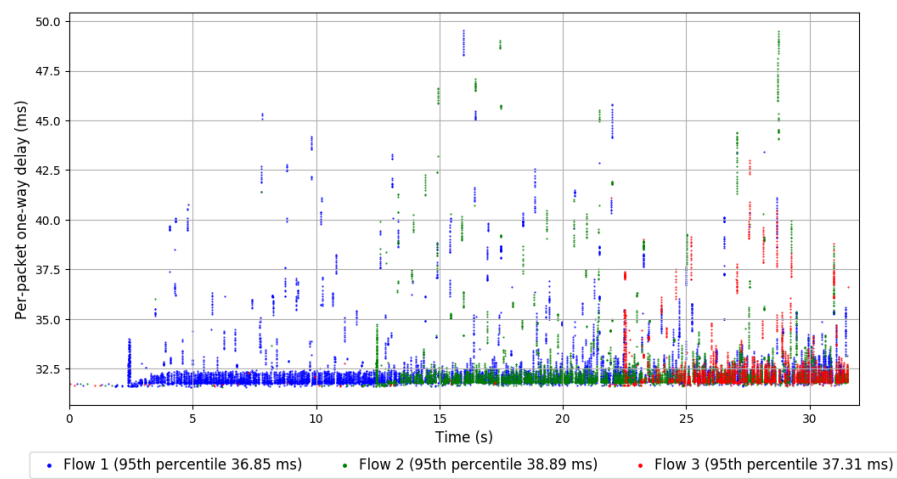
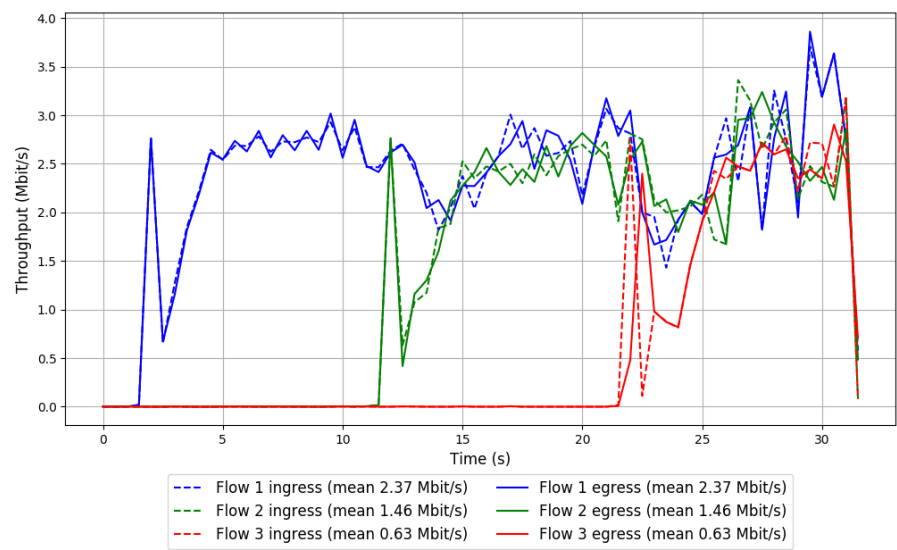


Run 4: Statistics of WebRTC media

Start at: 2017-11-16 08:44:26
End at: 2017-11-16 08:44:56
Local clock offset: -0.205 ms
Remote clock offset: -19.029 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 37.608 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 36.852 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 38.893 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 37.309 ms
Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link

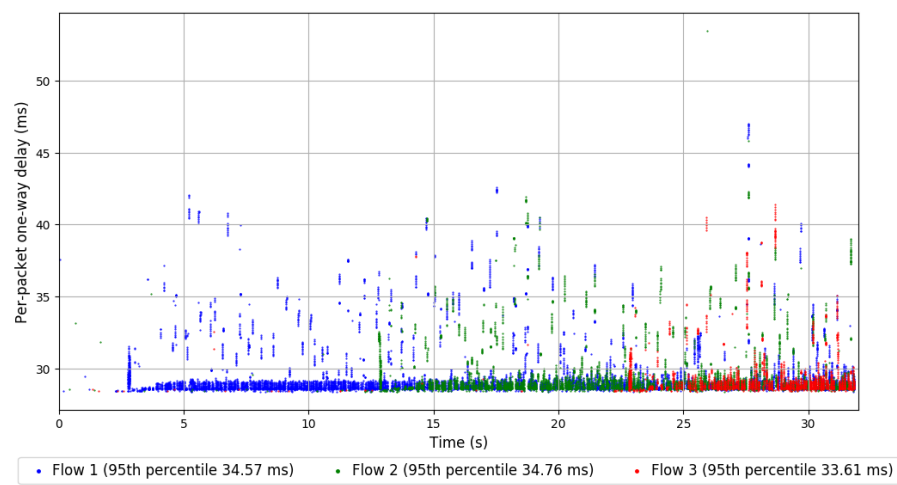
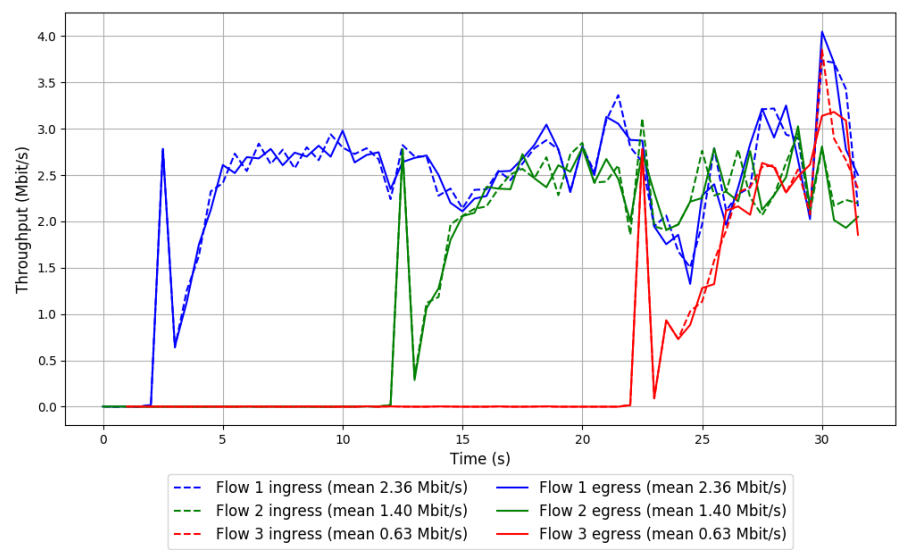


Run 5: Statistics of WebRTC media

Start at: 2017-11-16 09:15:27
End at: 2017-11-16 09:15:57
Local clock offset: -0.185 ms
Remote clock offset: -17.176 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 34.570 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 34.570 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 34.762 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 33.610 ms
Loss rate: 1.29%

Run 5: Report of WebRTC media — Data Link

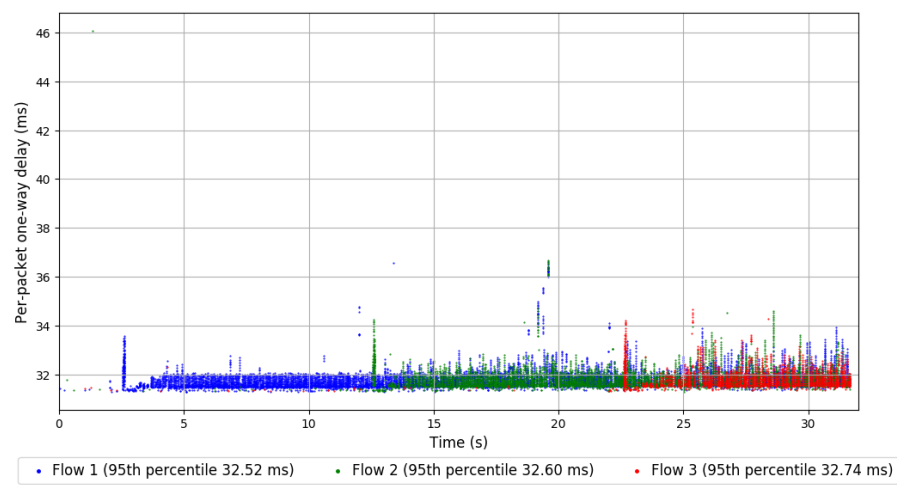
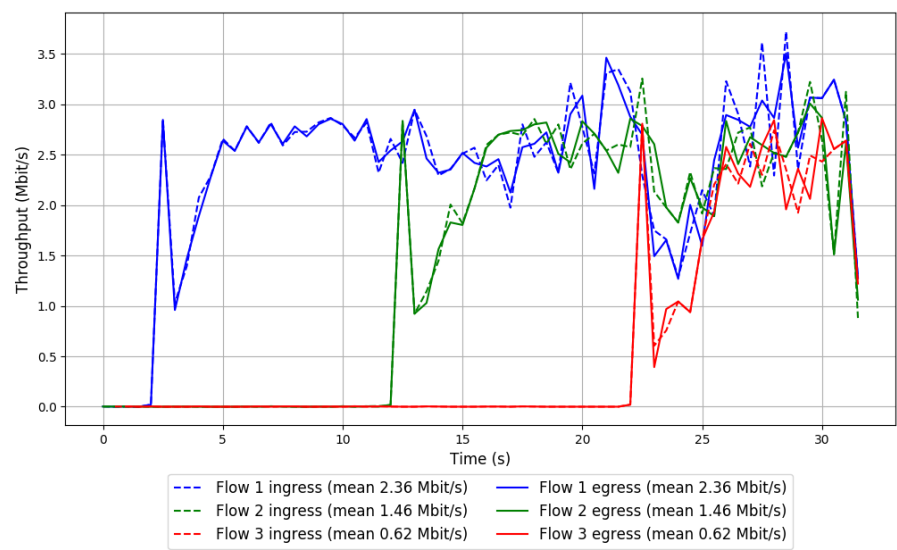


Run 6: Statistics of WebRTC media

Start at: 2017-11-16 09:37:24
End at: 2017-11-16 09:37:54
Local clock offset: 1.108 ms
Remote clock offset: -18.359 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 32.585 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 32.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 32.600 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 32.743 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

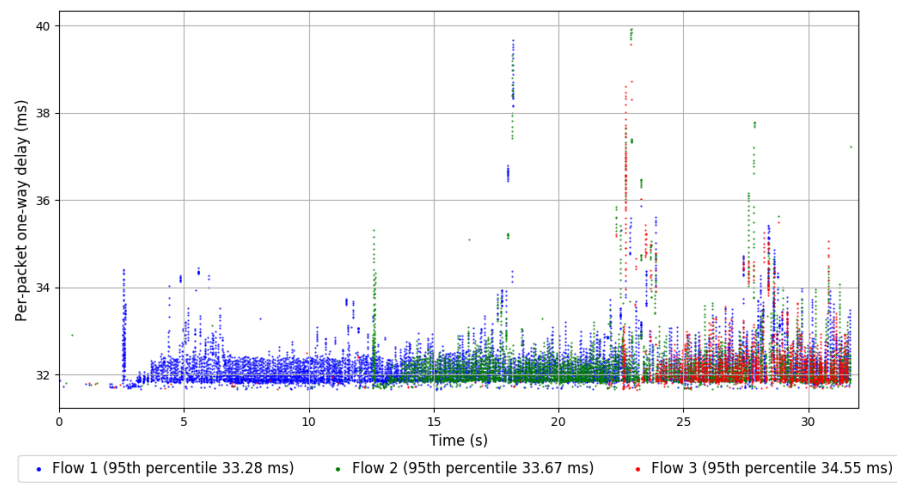
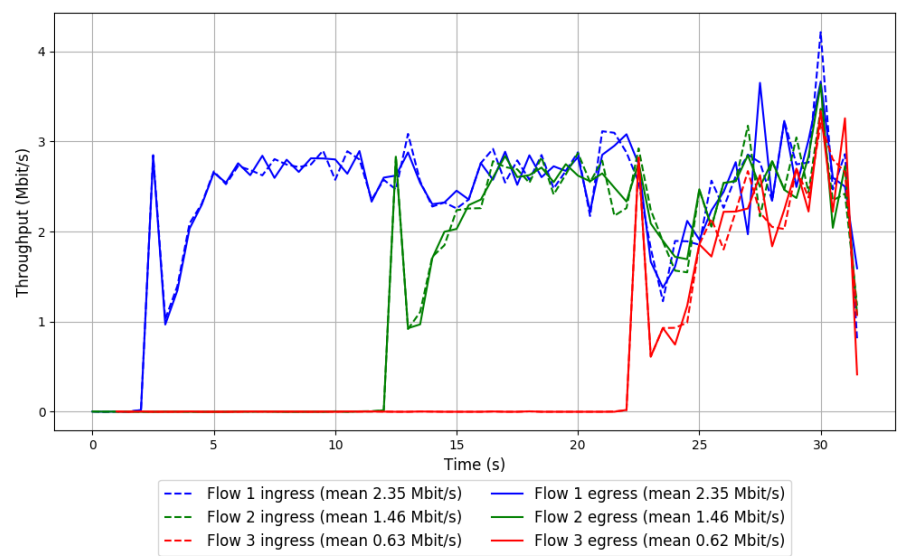


Run 7: Statistics of WebRTC media

Start at: 2017-11-16 09:57:02
End at: 2017-11-16 09:57:32
Local clock offset: 2.781 ms
Remote clock offset: -15.857 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 33.504 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 33.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 34.555 ms
Loss rate: 1.69%

Run 7: Report of WebRTC media — Data Link

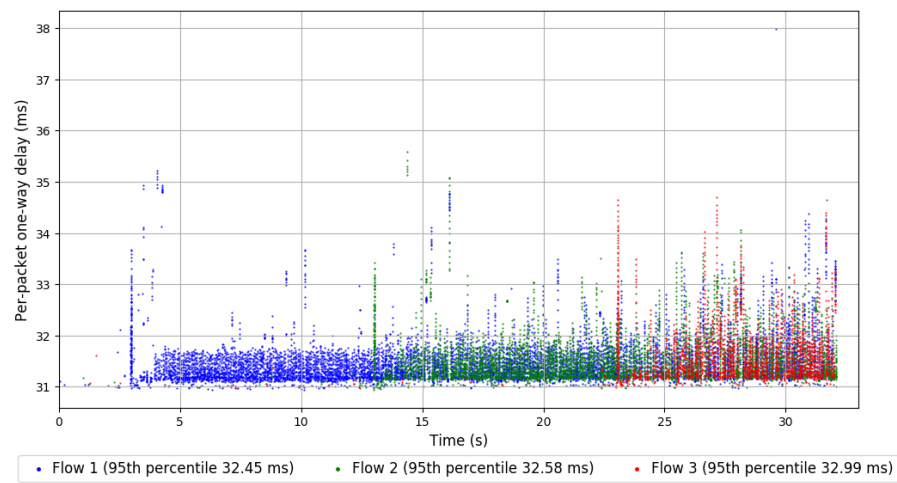
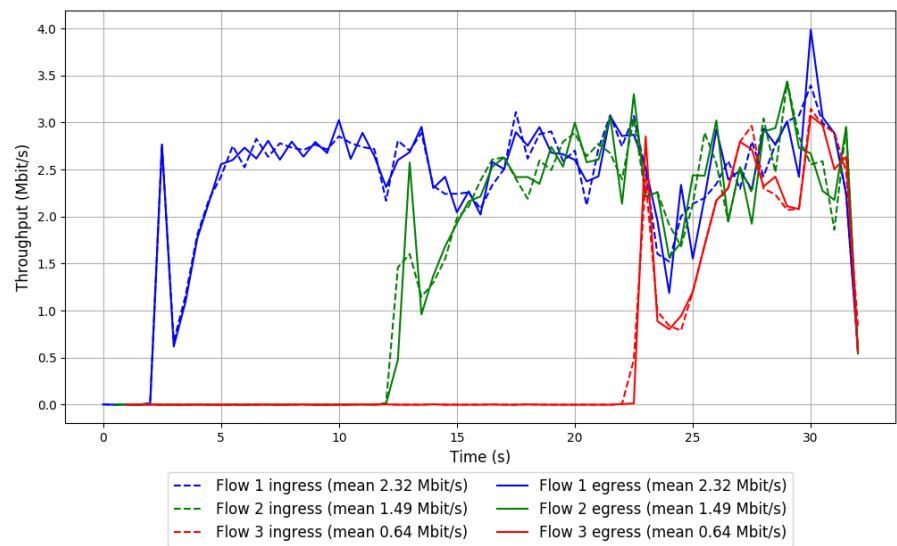


Run 8: Statistics of WebRTC media

Start at: 2017-11-16 10:19:22
End at: 2017-11-16 10:19:52
Local clock offset: 2.912 ms
Remote clock offset: -18.137 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 32.610 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 32.445 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 32.990 ms
Loss rate: 1.46%

Run 8: Report of WebRTC media — Data Link

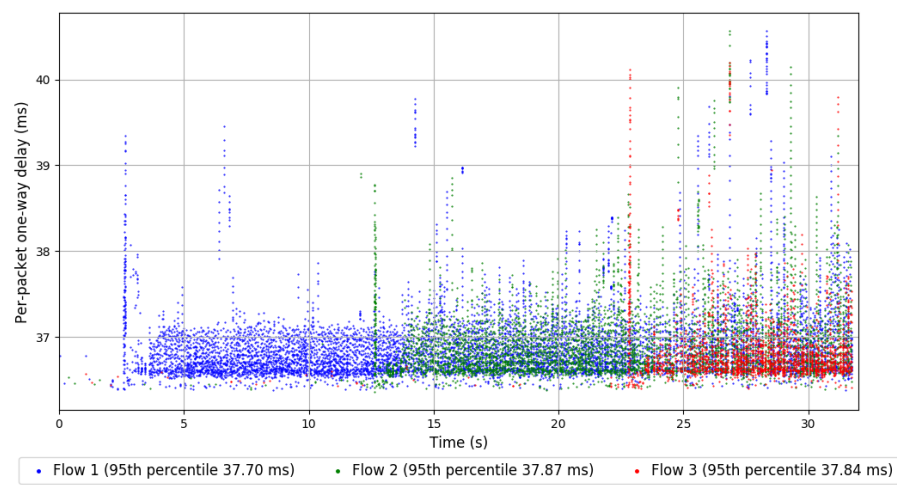
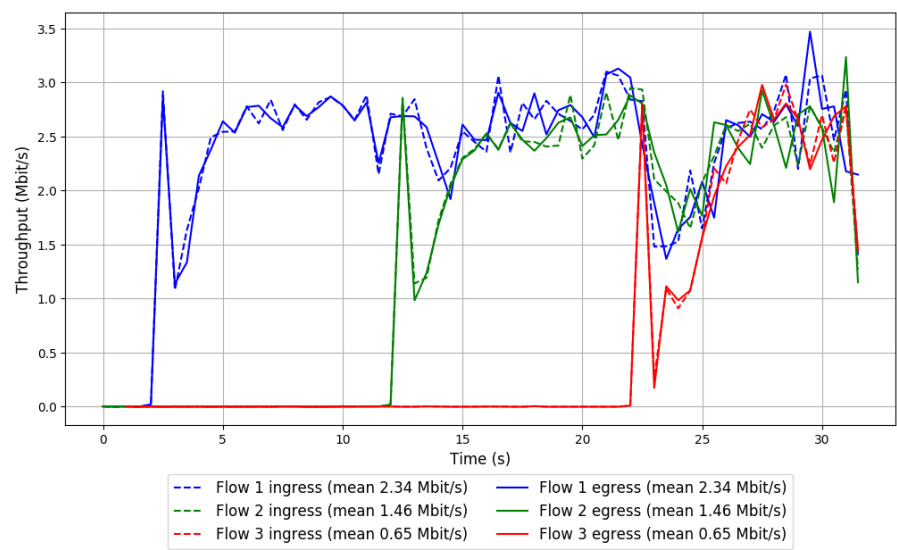


Run 9: Statistics of WebRTC media

Start at: 2017-11-16 10:38:42
End at: 2017-11-16 10:39:12
Local clock offset: 4.922 ms
Remote clock offset: -17.169 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 37.784 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 37.702 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 37.865 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 37.838 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

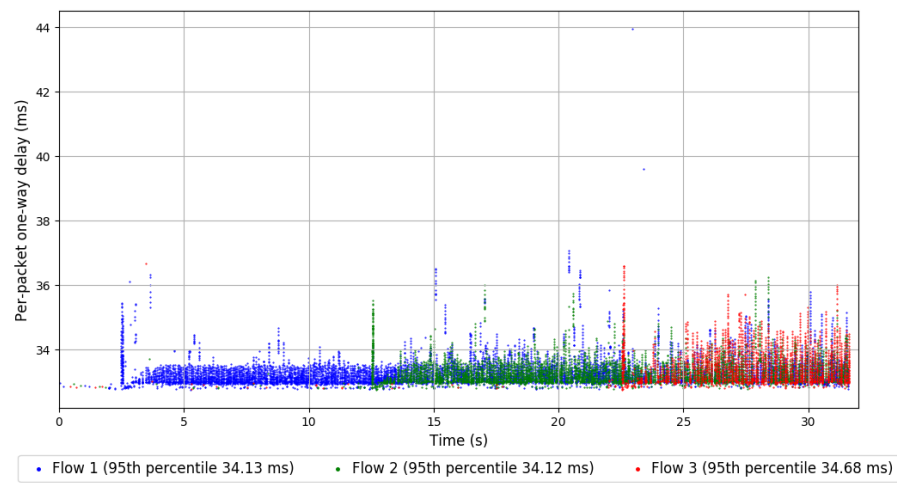
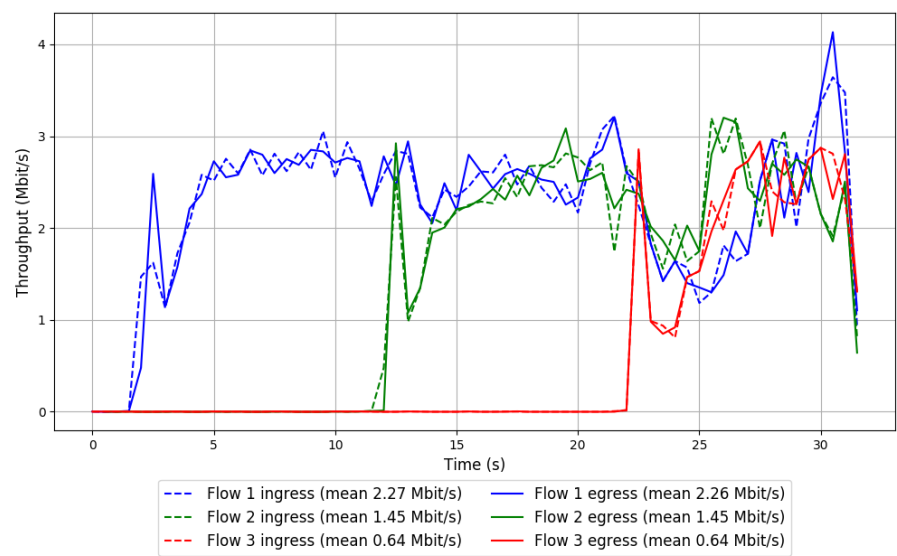


Run 10: Statistics of WebRTC media

Start at: 2017-11-16 10:57:49
End at: 2017-11-16 10:58:19
Local clock offset: 1.333 ms
Remote clock offset: -17.884 ms

Below is generated by plot.py at 2017-11-16 14:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 34.282 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 34.132 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 34.124 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.684 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

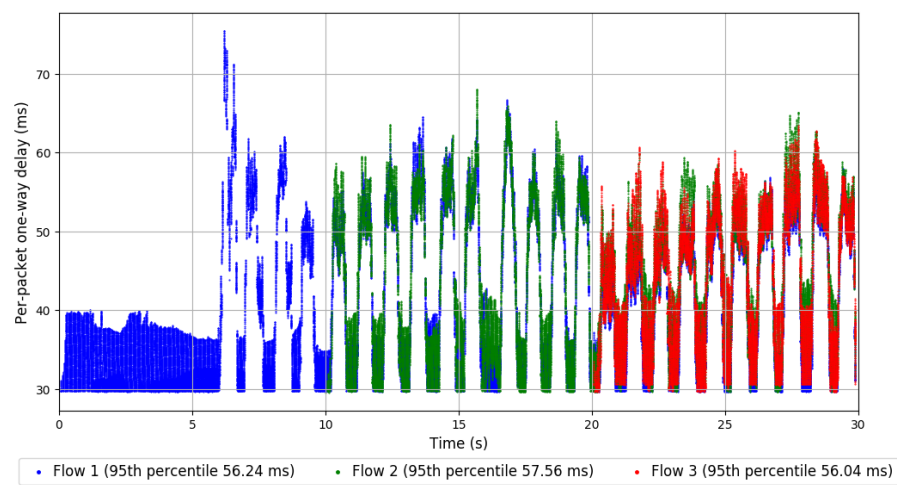
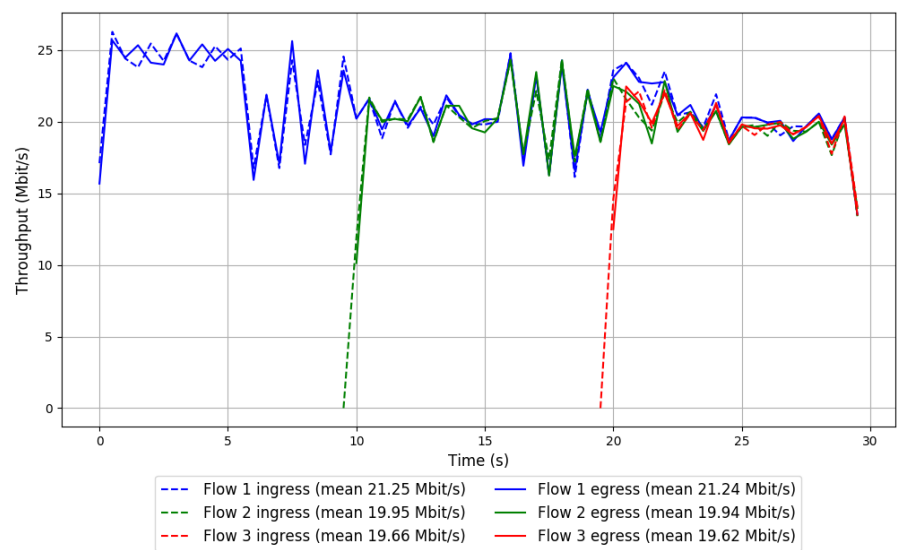


Run 1: Statistics of Sprout

Start at: 2017-11-16 07:36:37
End at: 2017-11-16 07:37:07
Local clock offset: 0.79 ms
Remote clock offset: -17.197 ms

Below is generated by plot.py at 2017-11-16 14:41:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 56.713 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 56.240 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 57.564 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 56.036 ms
Loss rate: 0.51%

Run 1: Report of Sprout — Data Link

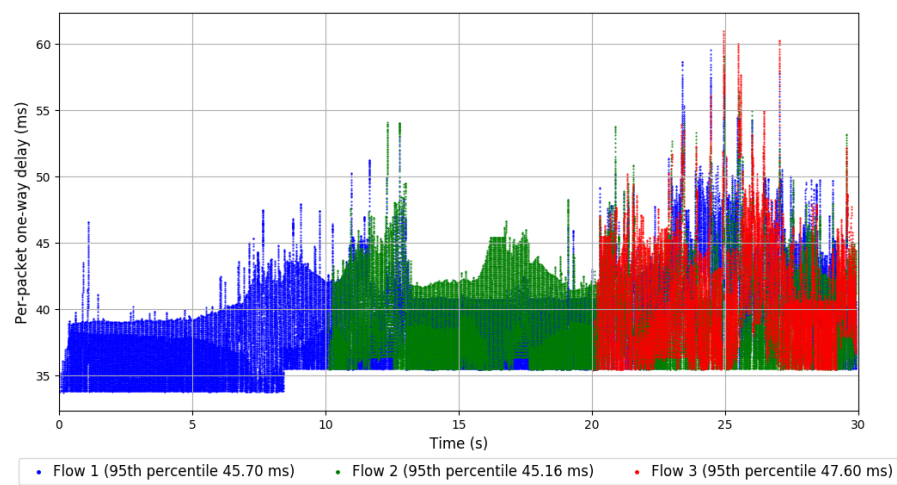
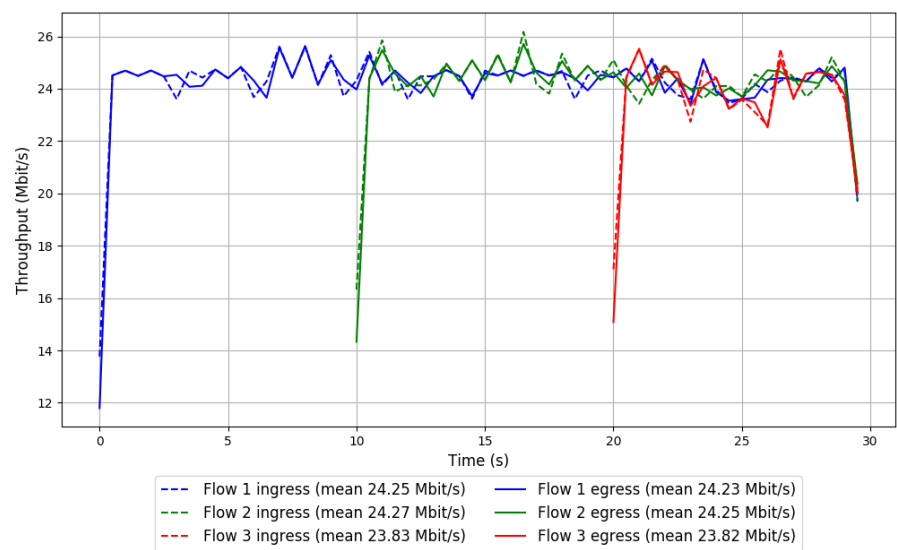


Run 2: Statistics of Sprout

Start at: 2017-11-16 07:57:36
End at: 2017-11-16 07:58:06
Local clock offset: 2.734 ms
Remote clock offset: -19.828 ms

Below is generated by plot.py at 2017-11-16 14:42:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 45.918 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 45.705 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 45.158 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 47.599 ms
Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

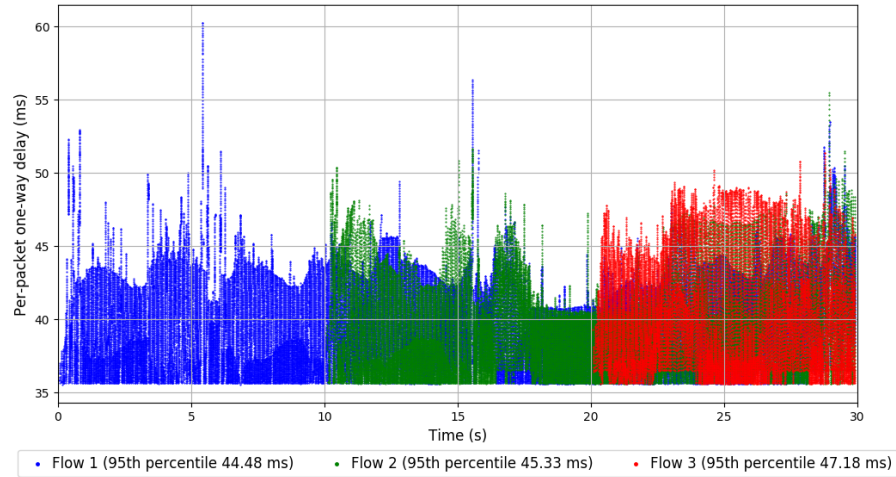
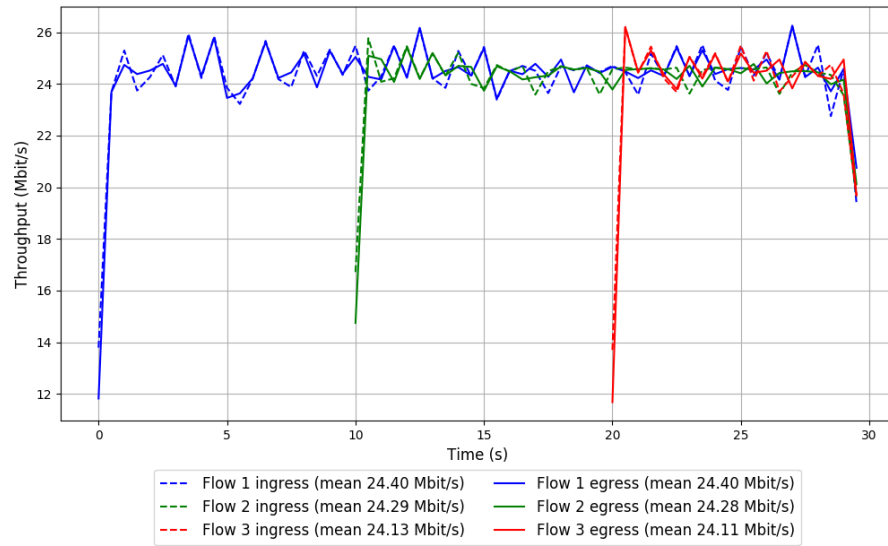


Run 3: Statistics of Sprout

Start at: 2017-11-16 08:24:36
End at: 2017-11-16 08:25:06
Local clock offset: 2.702 ms
Remote clock offset: -20.861 ms

Below is generated by plot.py at 2017-11-16 14:42:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 45.514 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 44.483 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 45.333 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 47.179 ms
Loss rate: 0.25%

Run 3: Report of Sprout — Data Link

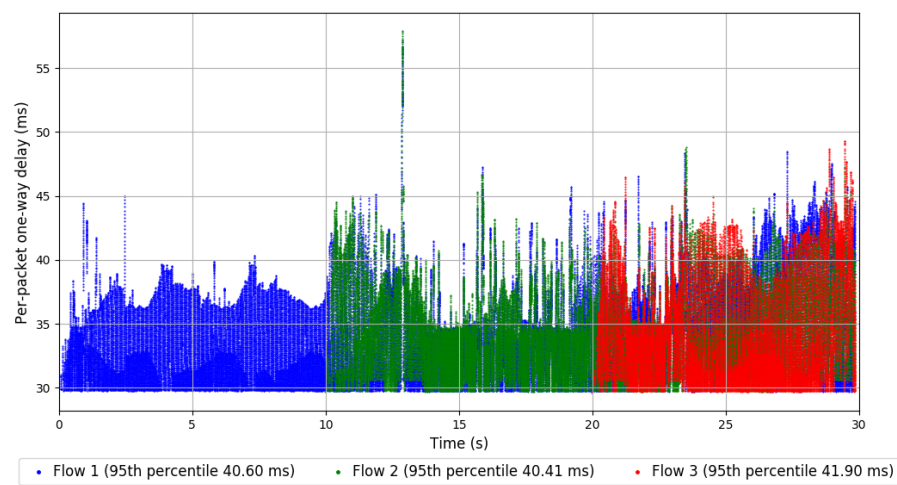
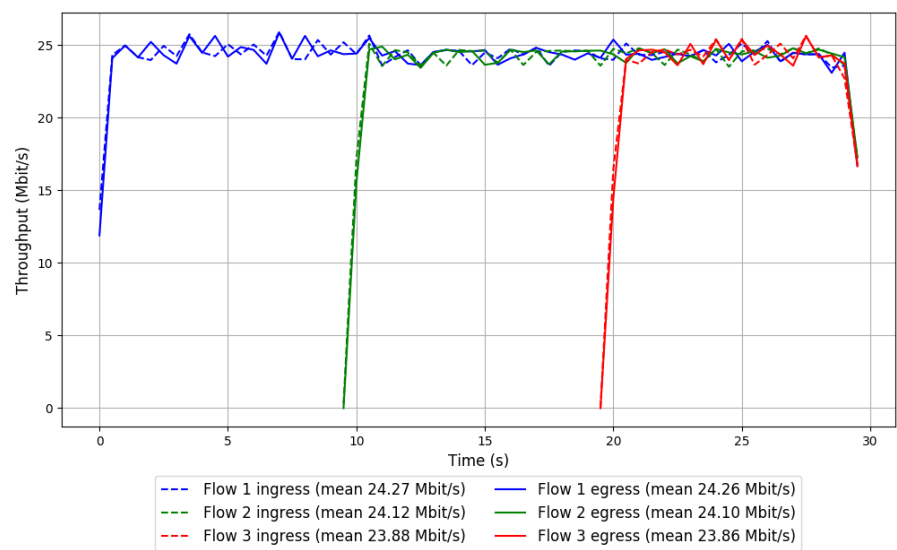


Run 4: Statistics of Sprout

Start at: 2017-11-16 08:52:11
End at: 2017-11-16 08:52:41
Local clock offset: -1.233 ms
Remote clock offset: -18.183 ms

```
# Below is generated by plot.py at 2017-11-16 14:42:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.21 Mbit/s
95th percentile per-packet one-way delay: 40.871 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 40.600 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 40.413 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 41.902 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link

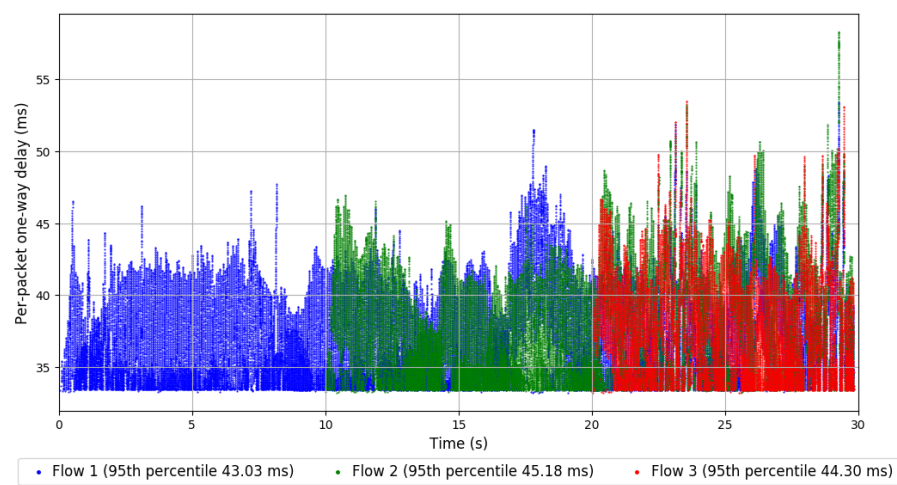
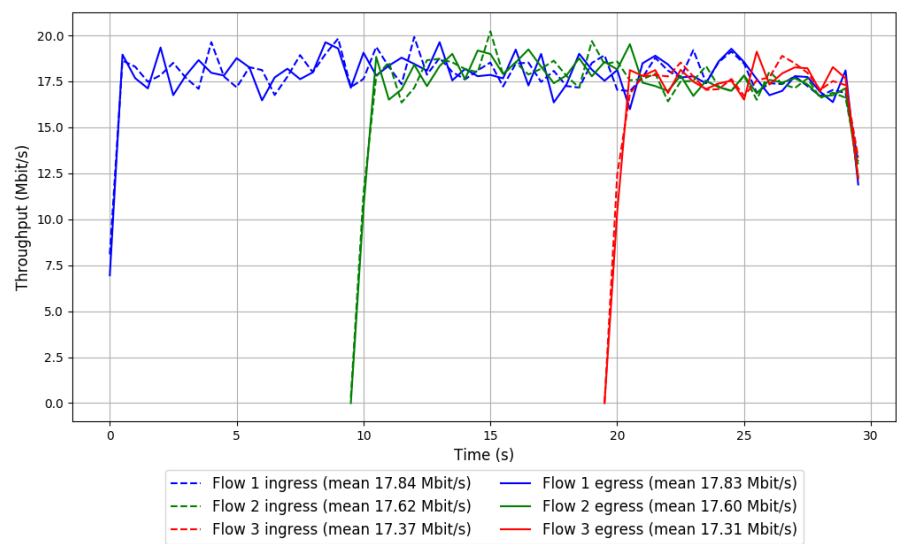


Run 5: Statistics of Sprout

Start at: 2017-11-16 09:22:23
End at: 2017-11-16 09:22:53
Local clock offset: 2.566 ms
Remote clock offset: -19.863 ms

Below is generated by plot.py at 2017-11-16 14:42:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 44.111 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 43.026 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 45.181 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 44.304 ms
Loss rate: 0.52%

Run 5: Report of Sprout — Data Link

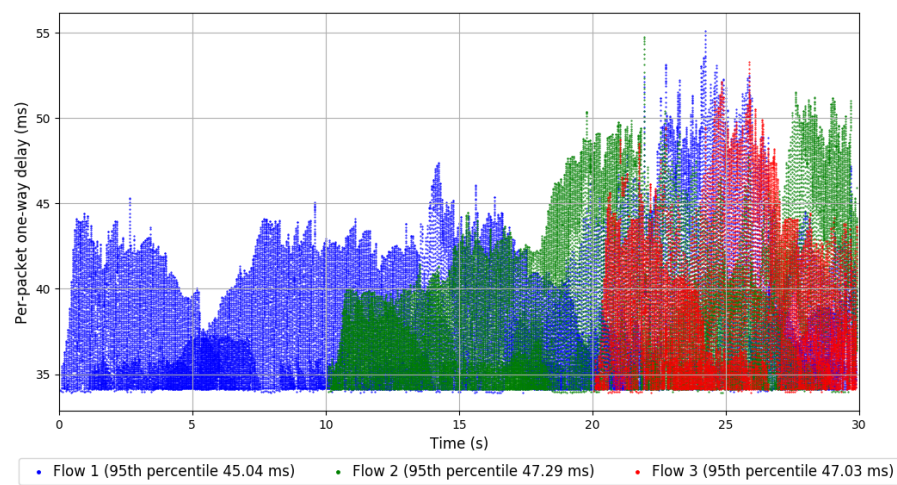
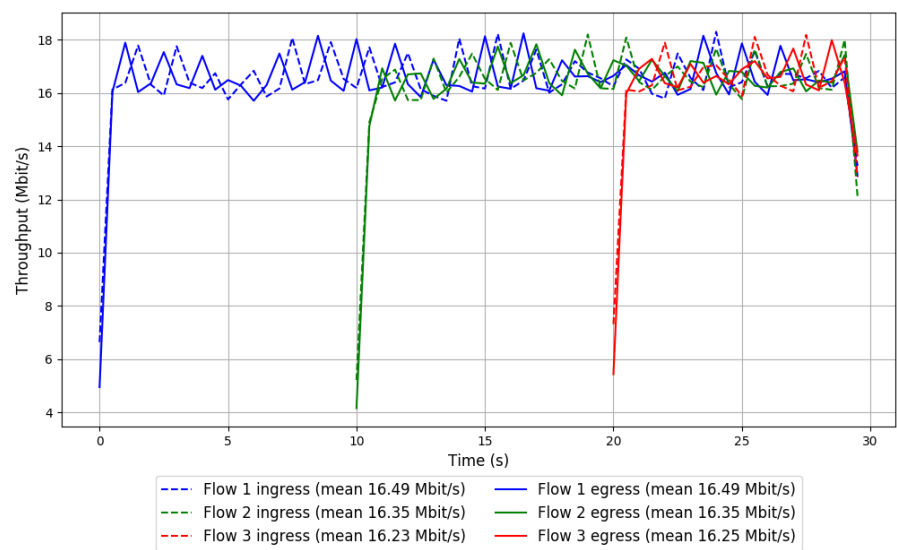


Run 6: Statistics of Sprout

Start at: 2017-11-16 09:43:04
End at: 2017-11-16 09:43:34
Local clock offset: 3.086 ms
Remote clock offset: -17.738 ms

Below is generated by plot.py at 2017-11-16 14:42:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 46.549 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 45.042 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 47.289 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 47.033 ms
Loss rate: 0.18%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

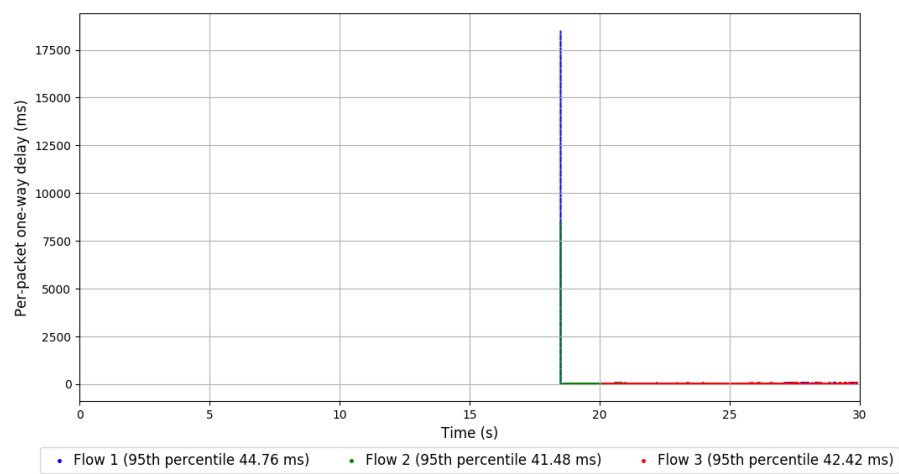
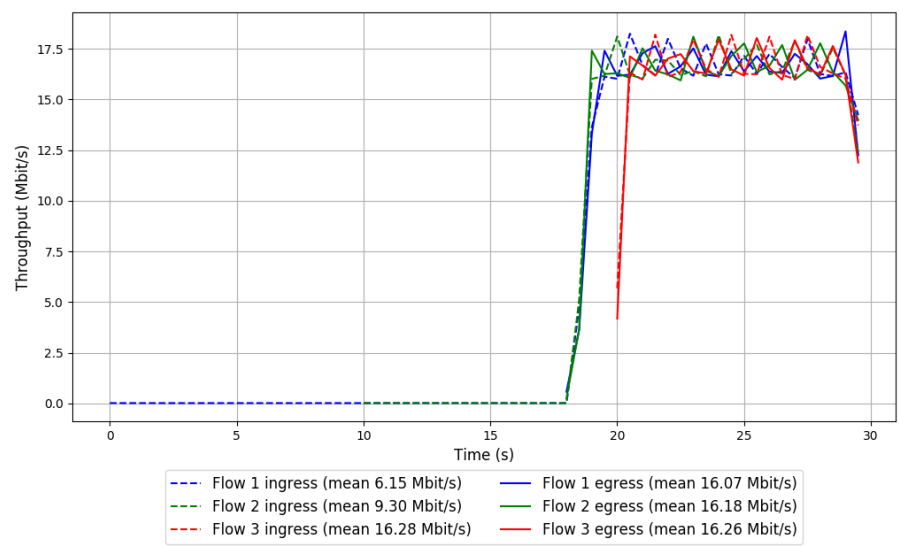
Start at: 2017-11-16 10:02:55

End at: 2017-11-16 10:03:25

Local clock offset: 1.792 ms

Remote clock offset: -16.27 ms

Run 7: Report of Sprout — Data Link

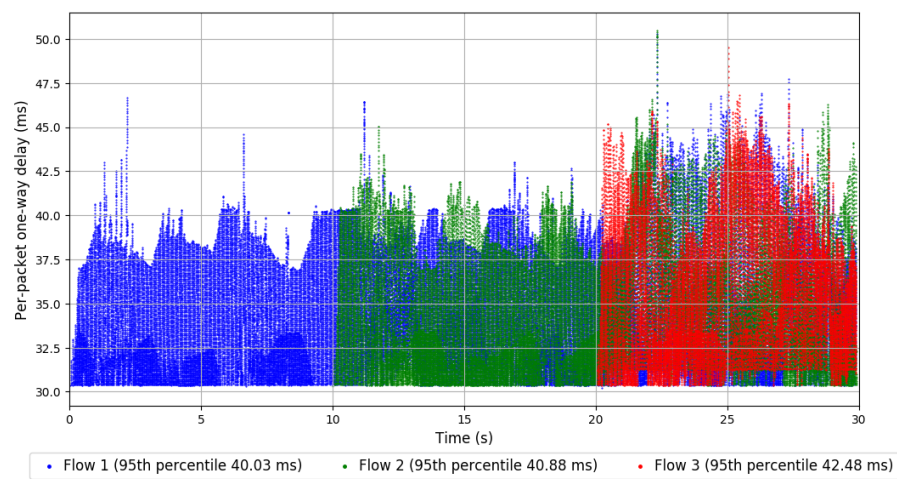
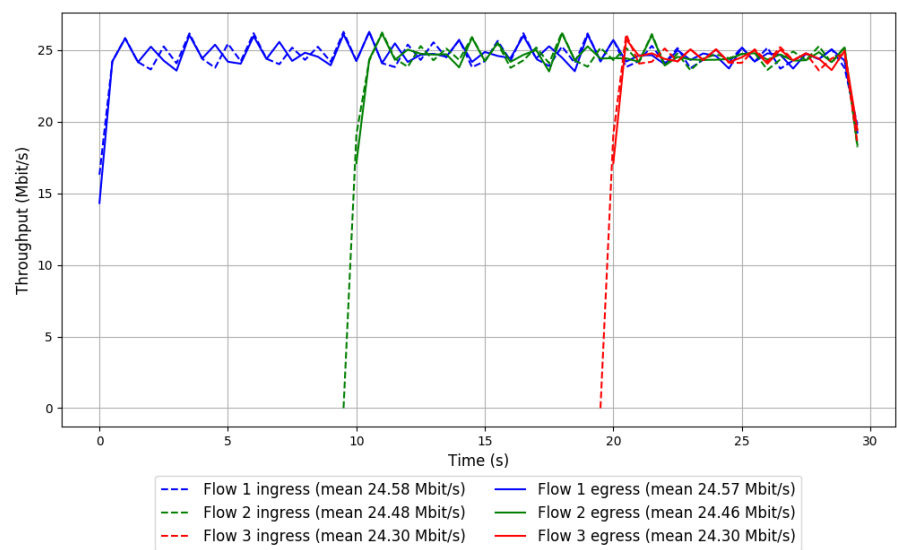


Run 8: Statistics of Sprout

Start at: 2017-11-16 10:25:08
End at: 2017-11-16 10:25:38
Local clock offset: 1.643 ms
Remote clock offset: -18.519 ms

Below is generated by plot.py at 2017-11-16 14:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 40.964 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 40.035 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 40.875 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 42.478 ms
Loss rate: 0.18%

Run 8: Report of Sprout — Data Link

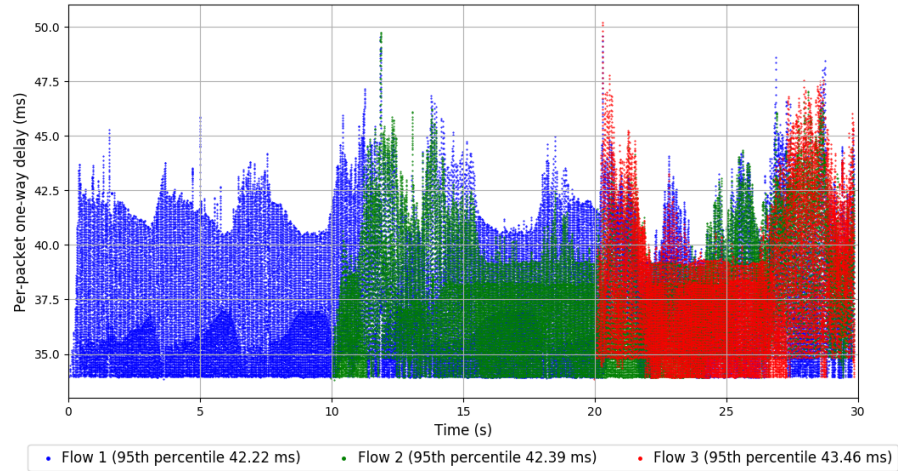
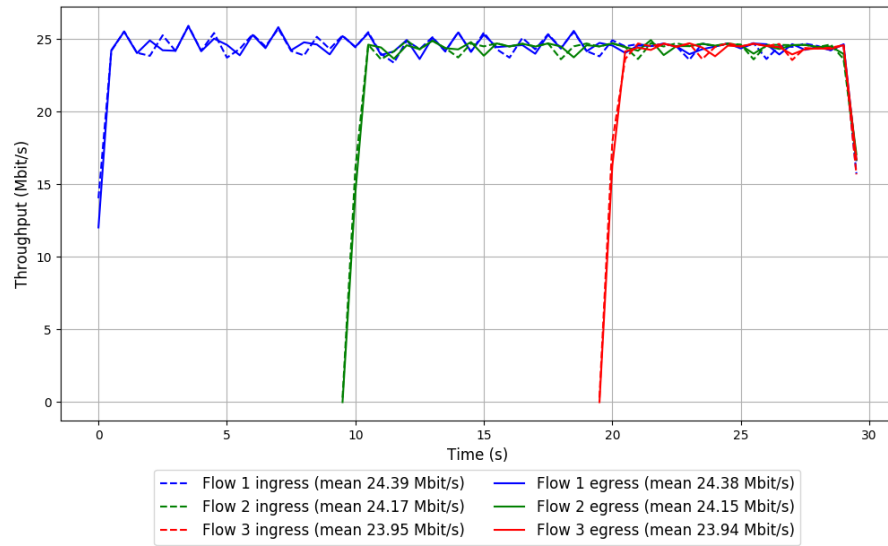


Run 9: Statistics of Sprout

Start at: 2017-11-16 10:44:17
End at: 2017-11-16 10:44:47
Local clock offset: 1.934 ms
Remote clock offset: -17.663 ms

Below is generated by plot.py at 2017-11-16 14:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 42.481 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 42.224 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 42.386 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 43.460 ms
Loss rate: 0.20%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-11-16 11:03:36

End at: 2017-11-16 11:04:06

Local clock offset: 3.541 ms

Remote clock offset: -17.5 ms

Below is generated by plot.py at 2017-11-16 14:42:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.11 Mbit/s

95th percentile per-packet one-way delay: 42.560 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 42.052 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 43.063 ms

Loss rate: 0.09%

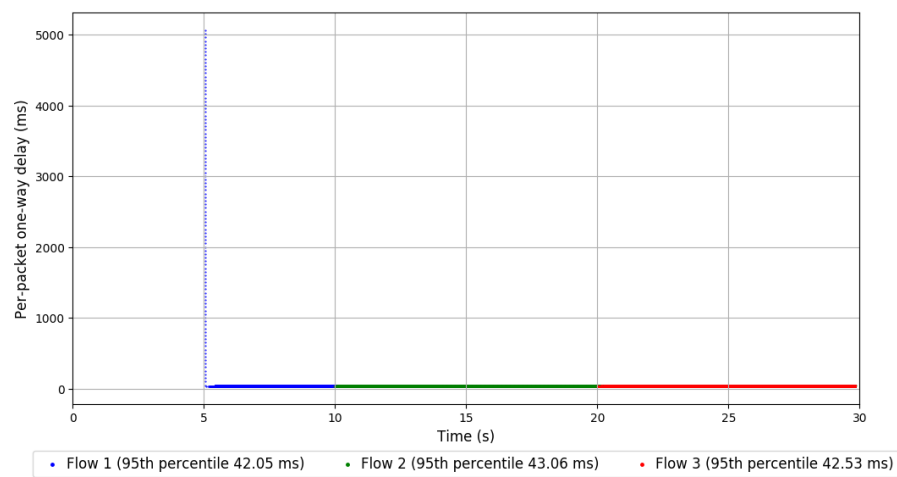
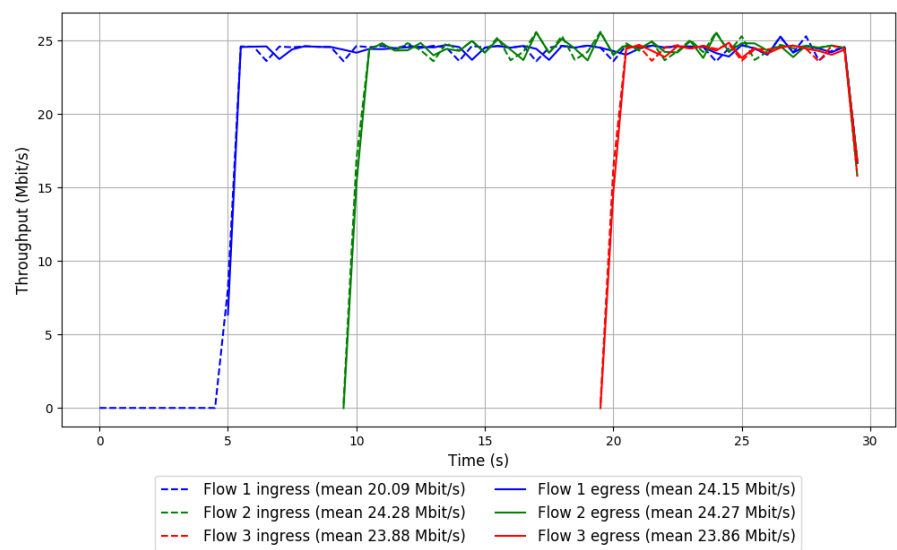
-- Flow 3:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 42.534 ms

Loss rate: 0.20%

Run 10: Report of Sprout — Data Link

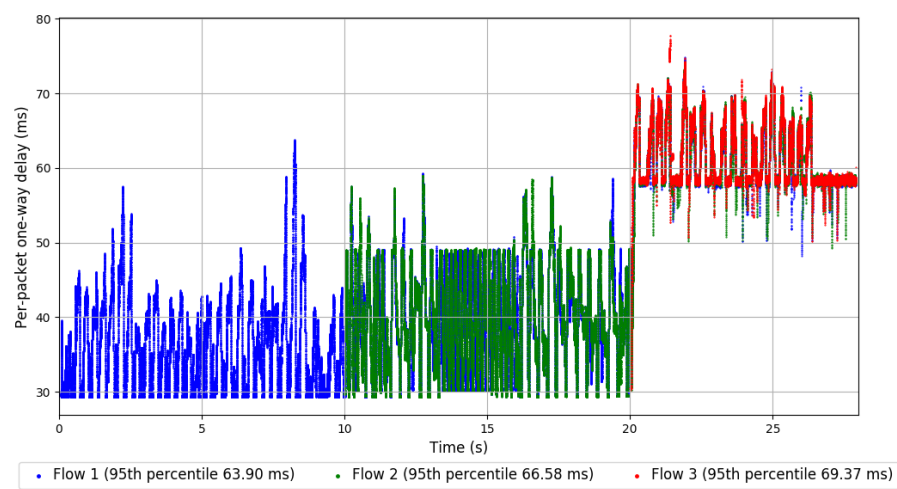
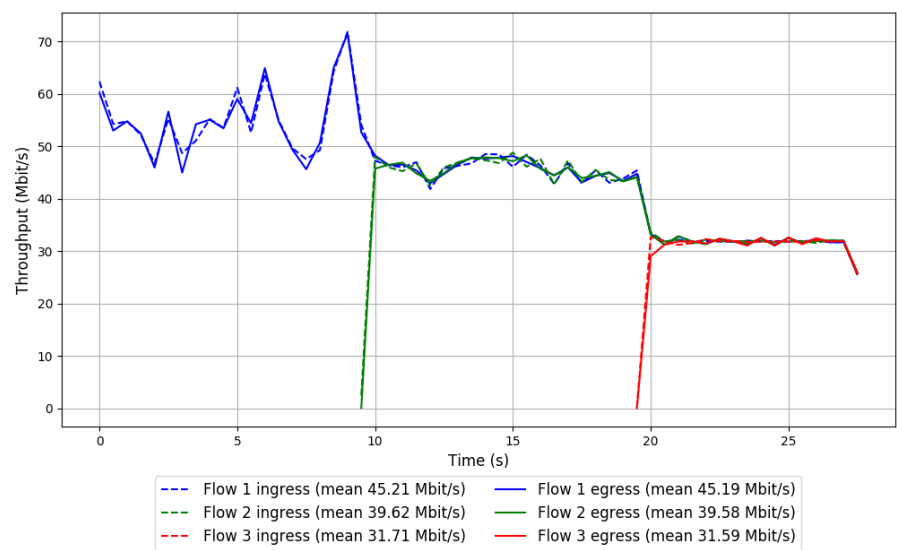


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-16 07:18:21
End at: 2017-11-16 07:18:51
Local clock offset: 3.044 ms
Remote clock offset: -15.359 ms

# Below is generated by plot.py at 2017-11-16 14:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 66.394 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 63.902 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 66.576 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 69.374 ms
Loss rate: 0.66%
```


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

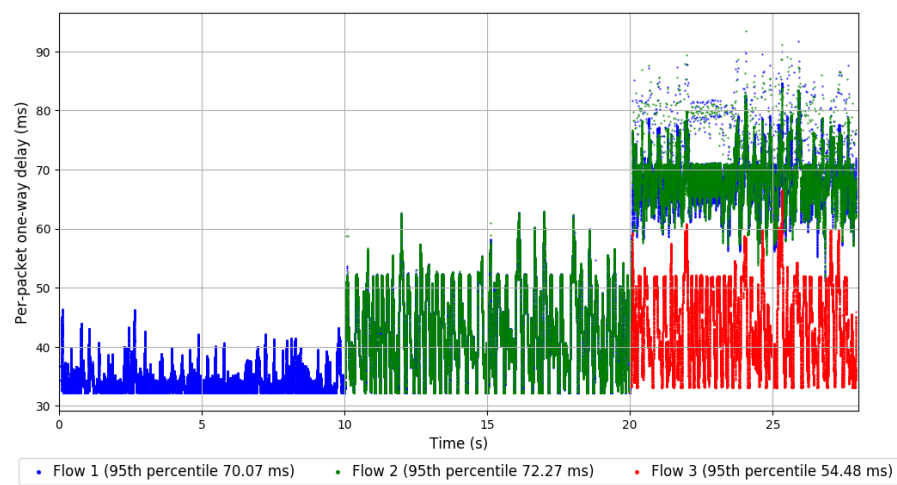
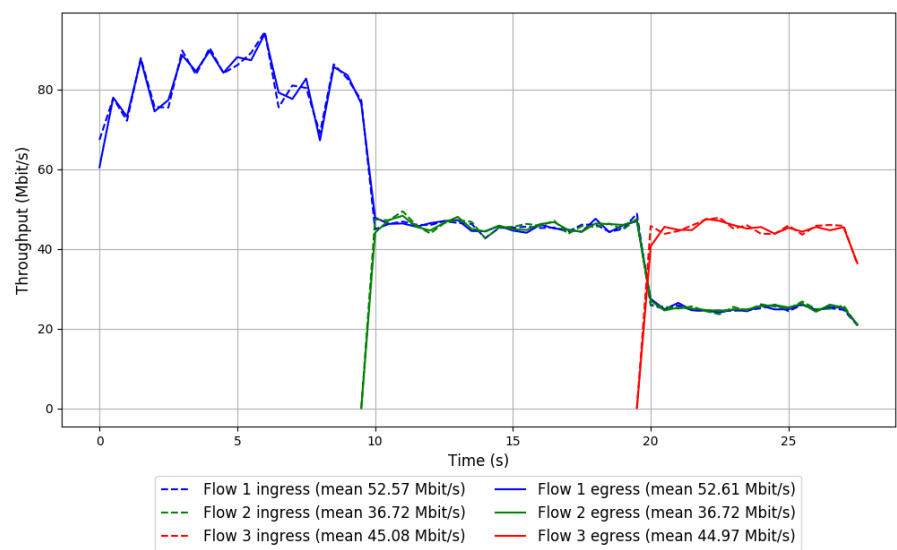


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-16 07:38:52
End at: 2017-11-16 07:39:22
Local clock offset: 2.569 ms
Remote clock offset: -18.045 ms

Below is generated by plot.py at 2017-11-16 14:44:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 70.508 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 70.071 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.72 Mbit/s
95th percentile per-packet one-way delay: 72.265 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 54.484 ms
Loss rate: 0.65%

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

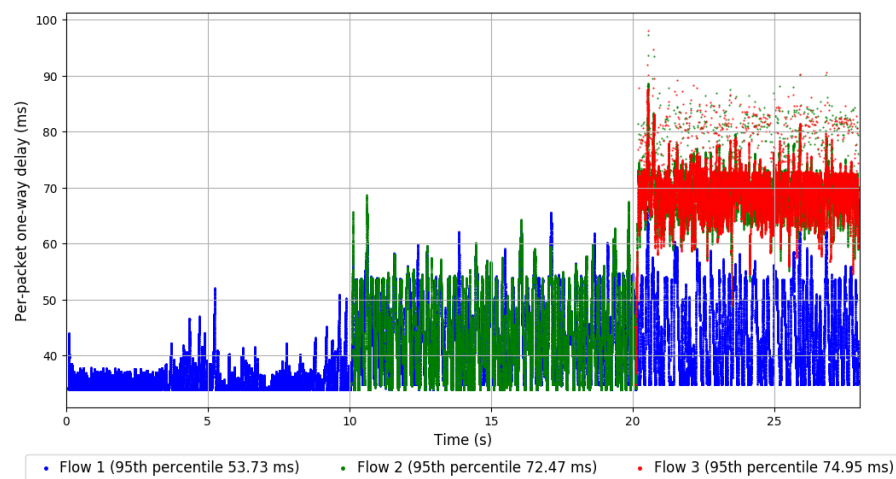
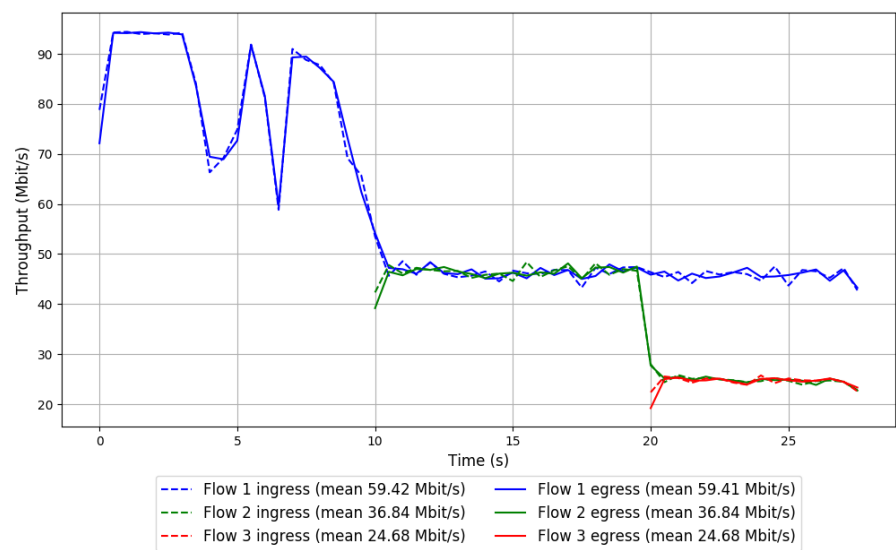


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-16 08:00:01
End at: 2017-11-16 08:00:31
Local clock offset: 1.578 ms
Remote clock offset: -19.43 ms

Below is generated by plot.py at 2017-11-16 14:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 71.091 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 53.727 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 72.465 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 74.947 ms
Loss rate: 0.73%

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

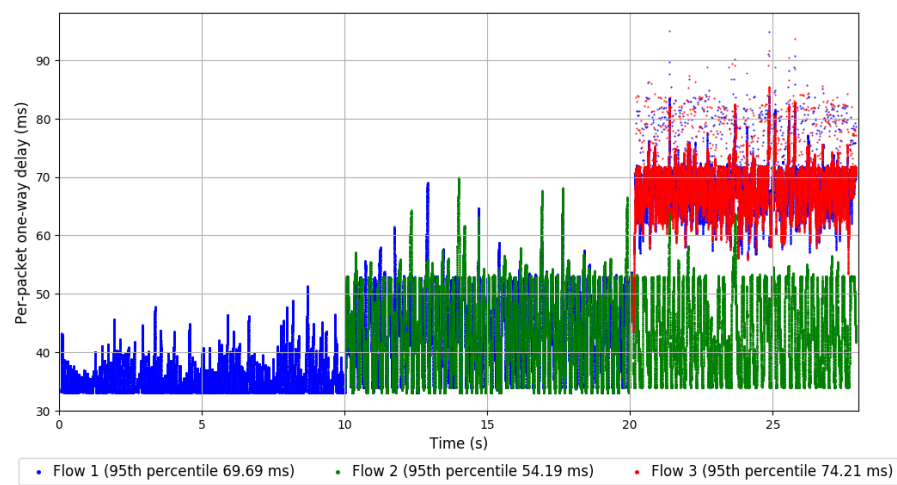
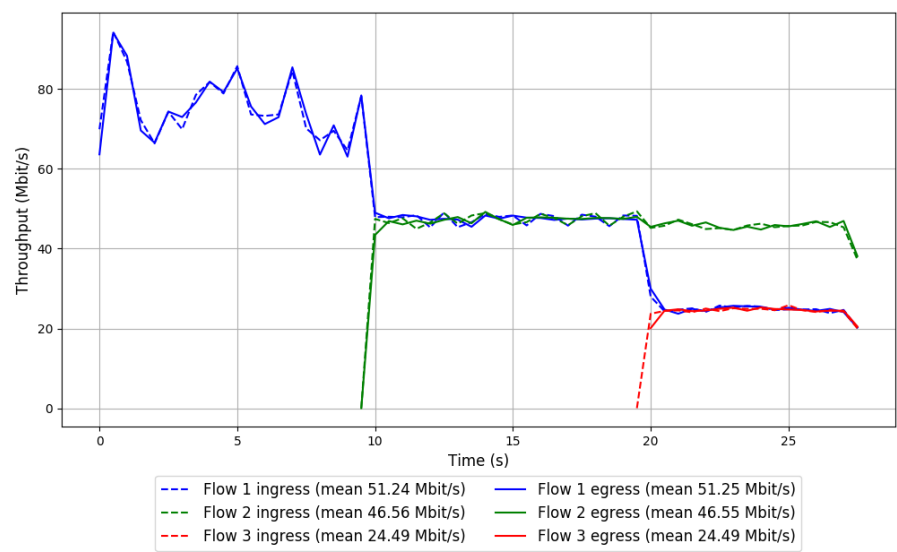


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-16 08:27:03
End at: 2017-11-16 08:27:33
Local clock offset: -0.592 ms
Remote clock offset: -21.826 ms

Below is generated by plot.py at 2017-11-16 14:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 70.253 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 69.694 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 54.186 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 74.207 ms
Loss rate: 0.75%

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

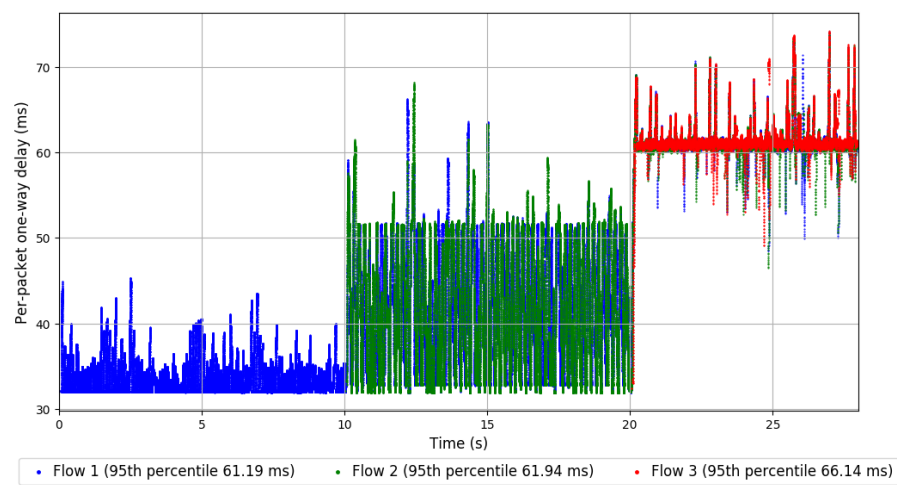
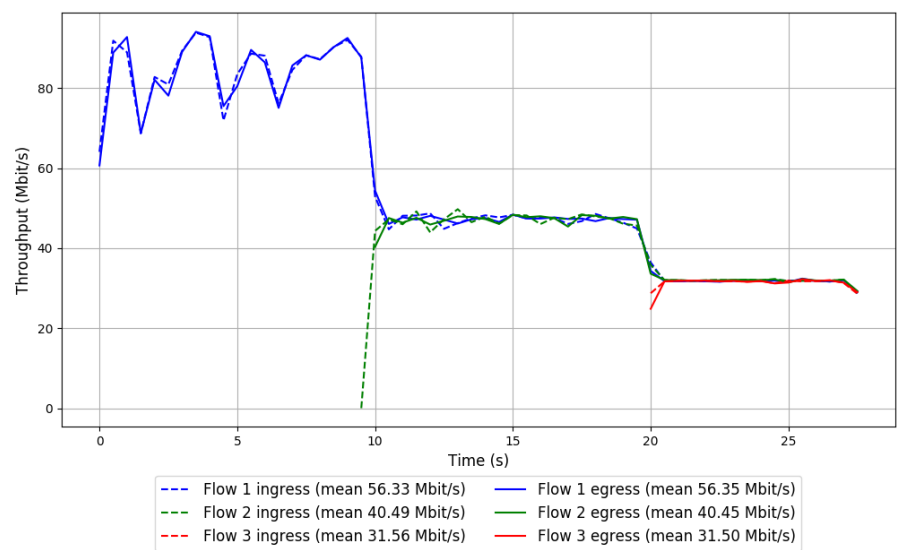


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-16 08:54:46
End at: 2017-11-16 08:55:16
Local clock offset: 2.743 ms
Remote clock offset: -16.739 ms

Below is generated by plot.py at 2017-11-16 14:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 61.668 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 61.186 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 61.940 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 66.143 ms
Loss rate: 0.69%

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

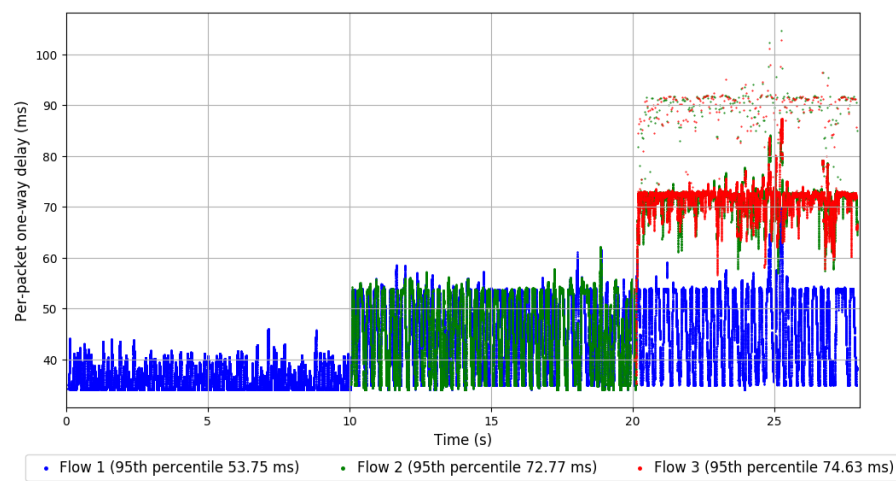
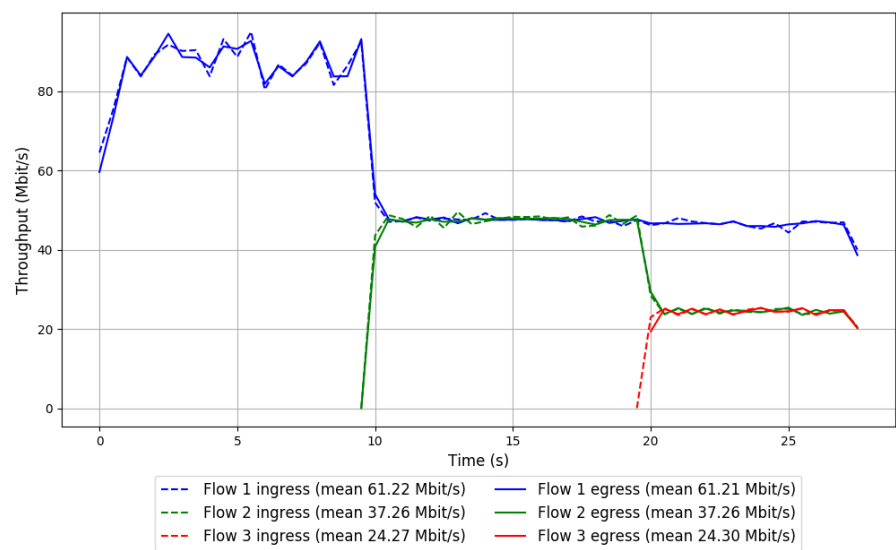


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-16 09:24:46
End at: 2017-11-16 09:25:16
Local clock offset: 4.693 ms
Remote clock offset: -18.441 ms

Below is generated by plot.py at 2017-11-16 14:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 72.559 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 61.21 Mbit/s
95th percentile per-packet one-way delay: 53.754 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 72.768 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 74.631 ms
Loss rate: 0.95%

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

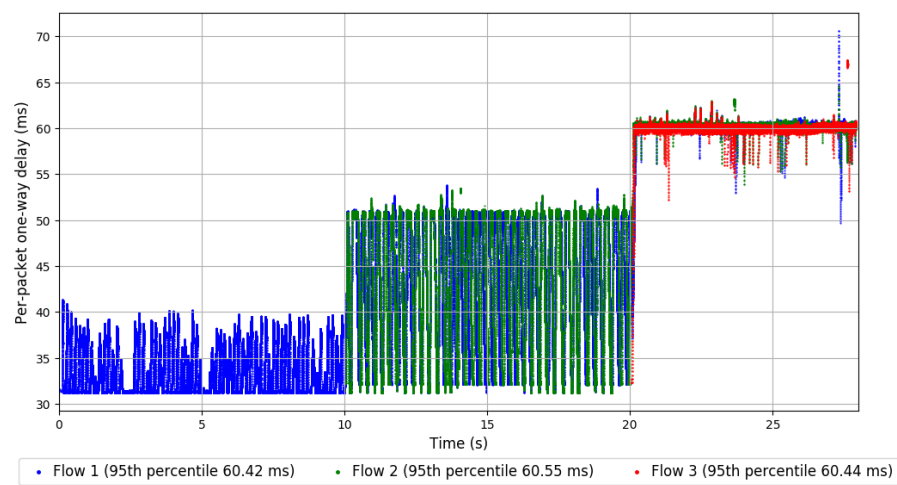
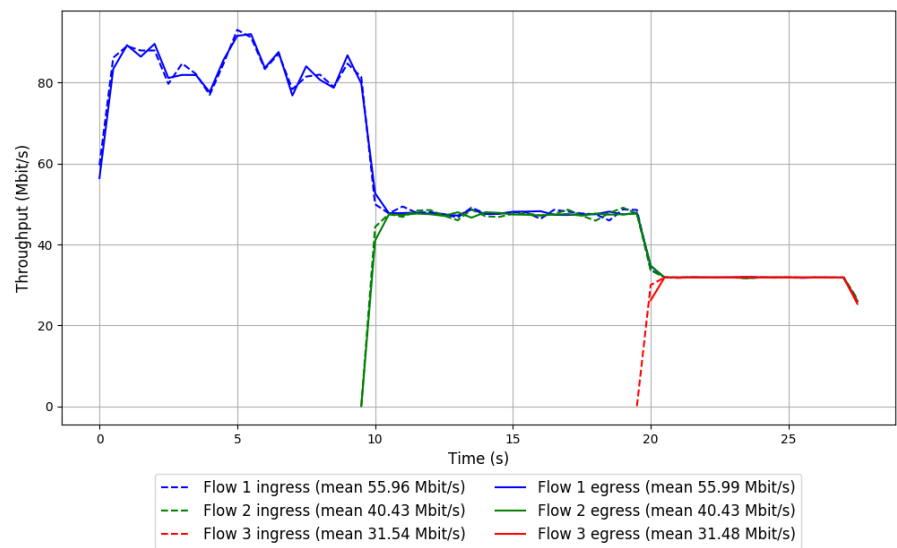


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-16 09:45:26
End at: 2017-11-16 09:45:56
Local clock offset: 1.097 ms
Remote clock offset: -16.914 ms

Below is generated by plot.py at 2017-11-16 14:44:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 60.471 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 60.425 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 60.441 ms
Loss rate: 0.86%

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

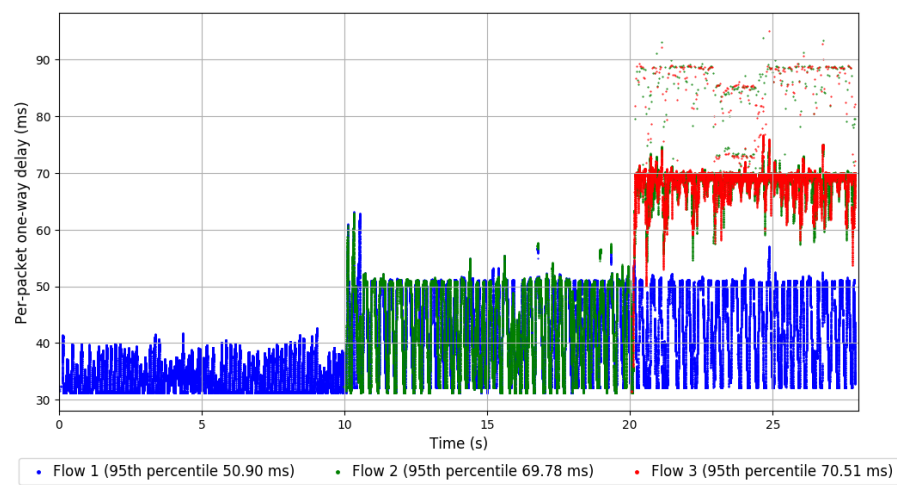
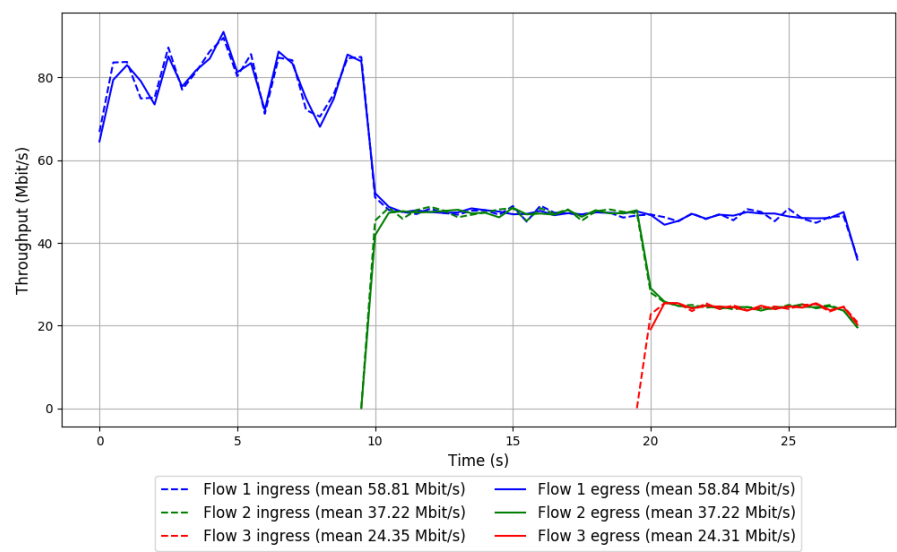


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-16 10:05:16
End at: 2017-11-16 10:05:46
Local clock offset: 2.492 ms
Remote clock offset: -16.136 ms

Below is generated by plot.py at 2017-11-16 14:44:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.63 Mbit/s
95th percentile per-packet one-way delay: 69.628 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 69.776 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 70.508 ms
Loss rate: 0.96%

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

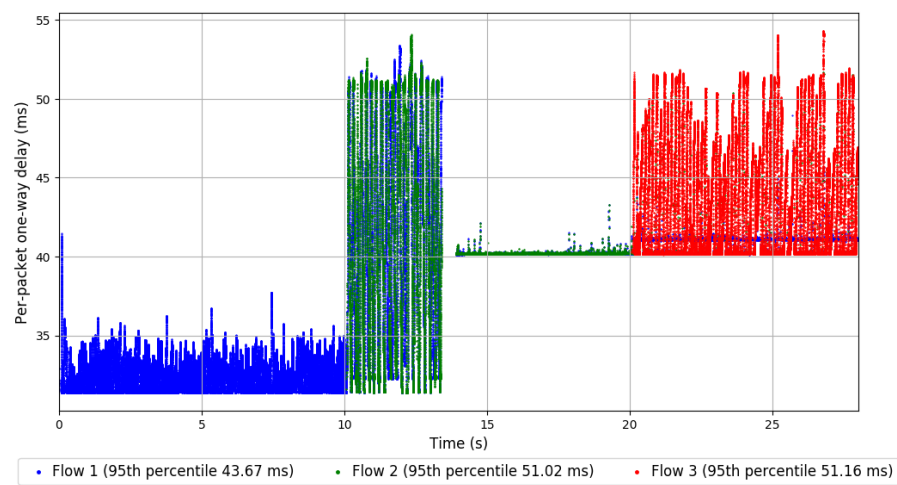
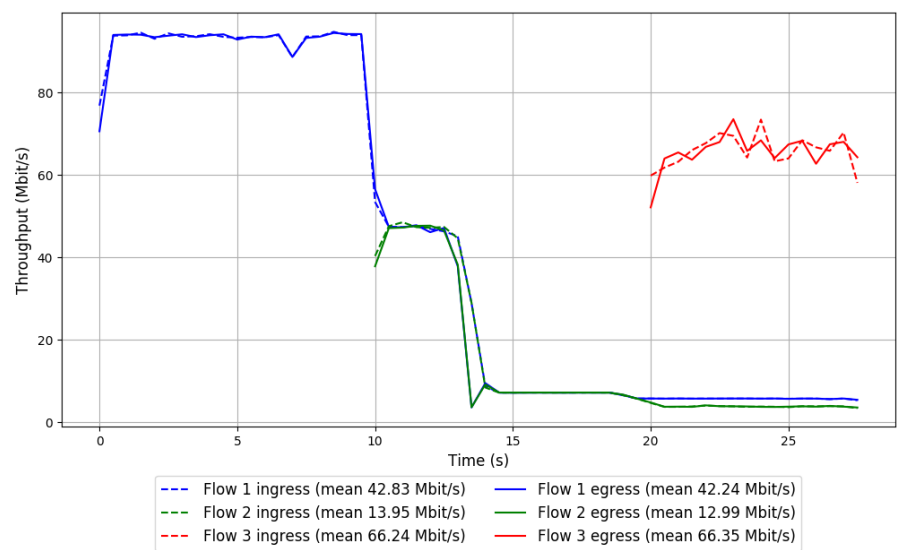


Run 9: Statistics of TaoVA-100x

Start at: 2017-11-16 10:27:28
End at: 2017-11-16 10:27:58
Local clock offset: 4.306 ms
Remote clock offset: -16.833 ms

Below is generated by plot.py at 2017-11-16 14:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 50.755 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 42.24 Mbit/s
95th percentile per-packet one-way delay: 43.673 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 51.023 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 66.35 Mbit/s
95th percentile per-packet one-way delay: 51.164 ms
Loss rate: 0.23%

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

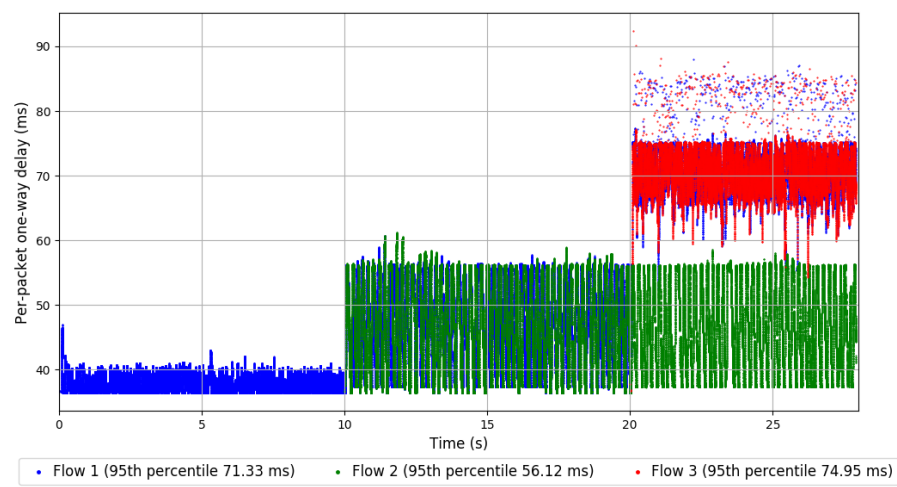
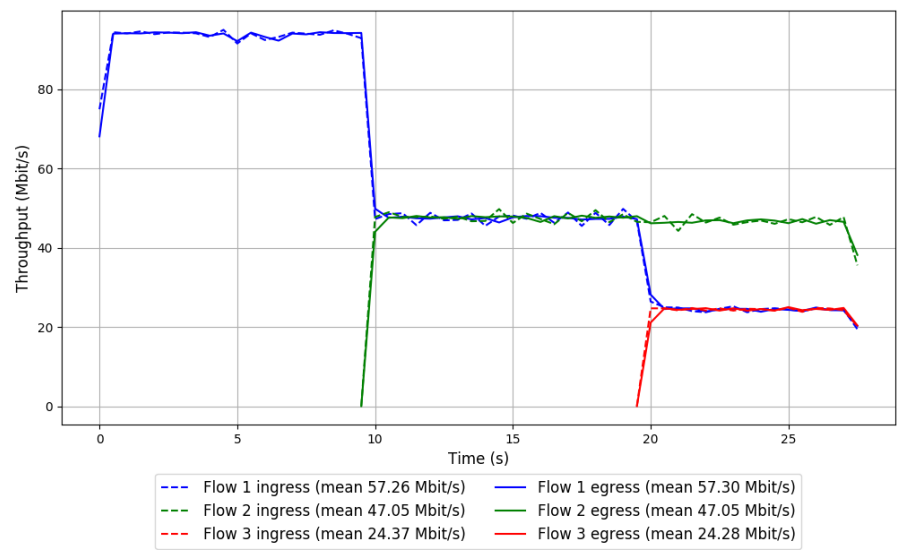


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-11-16 10:46:42
End at: 2017-11-16 10:47:12
Local clock offset: 3.904 ms
Remote clock offset: -18.228 ms

# Below is generated by plot.py at 2017-11-16 14:46:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 72.036 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 71.334 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 56.121 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 74.947 ms
Loss rate: 0.74%
```

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

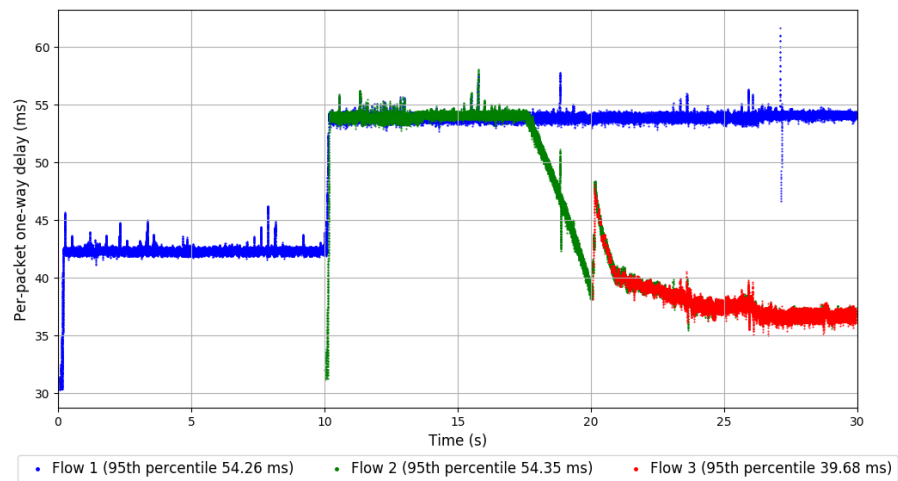
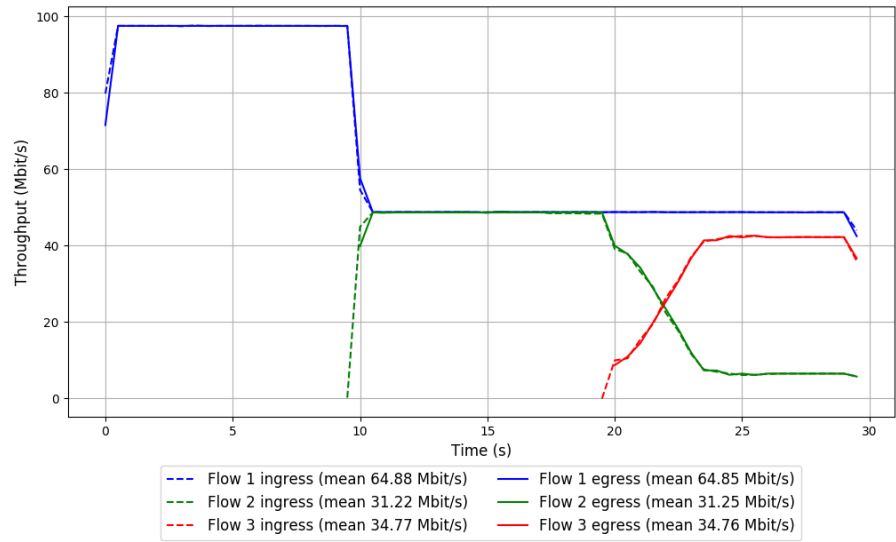


Run 1: Statistics of TCP Vegas

Start at: 2017-11-16 07:26:55
End at: 2017-11-16 07:27:25
Local clock offset: 0.879 ms
Remote clock offset: -18.213 ms

Below is generated by plot.py at 2017-11-16 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 54.287 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 54.264 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 54.354 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 39.682 ms
Loss rate: 0.36%

Run 1: Report of TCP Vegas — Data Link

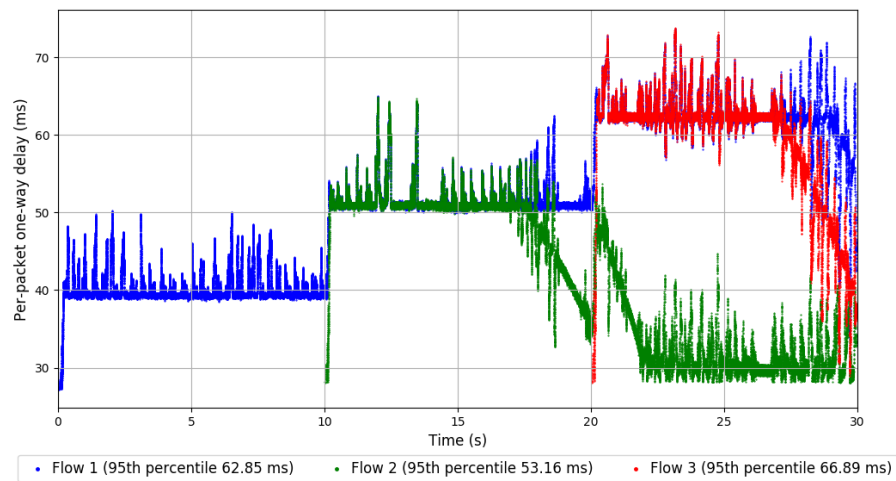
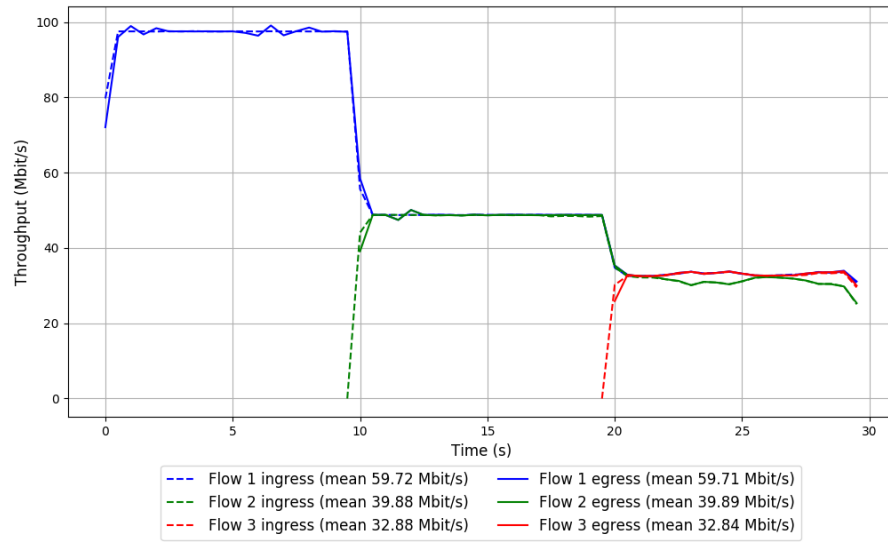


Run 2: Statistics of TCP Vegas

Start at: 2017-11-16 07:45:54
End at: 2017-11-16 07:46:24
Local clock offset: -1.593 ms
Remote clock offset: -17.154 ms

Below is generated by plot.py at 2017-11-16 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 63.128 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 62.847 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 53.162 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 66.893 ms
Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link

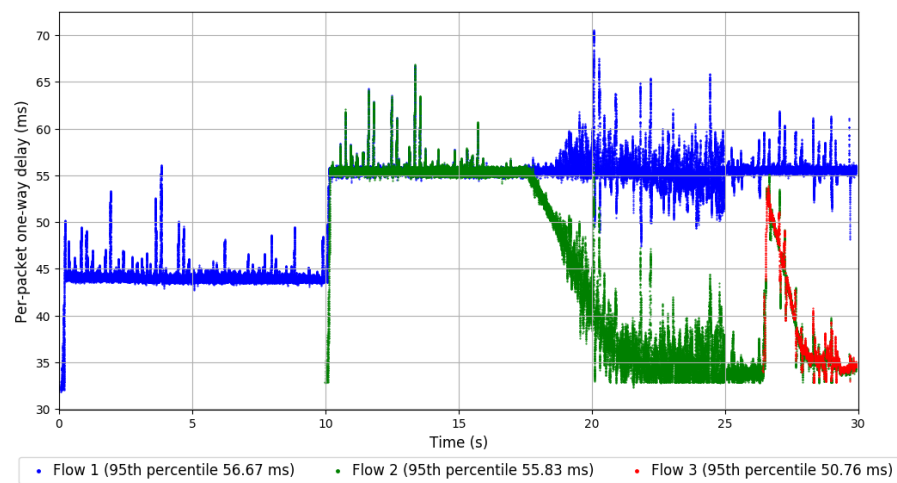
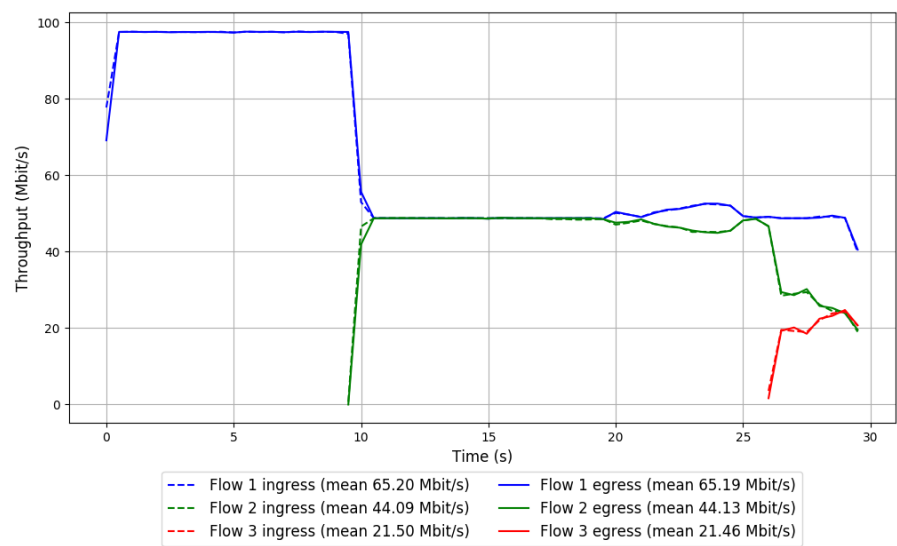


Run 3: Statistics of TCP Vegas

Start at: 2017-11-16 08:10:04
End at: 2017-11-16 08:10:35
Local clock offset: 0.358 ms
Remote clock offset: -19.096 ms

Below is generated by plot.py at 2017-11-16 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 56.268 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 56.673 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 55.825 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 50.764 ms
Loss rate: 0.91%

Run 3: Report of TCP Vegas — Data Link

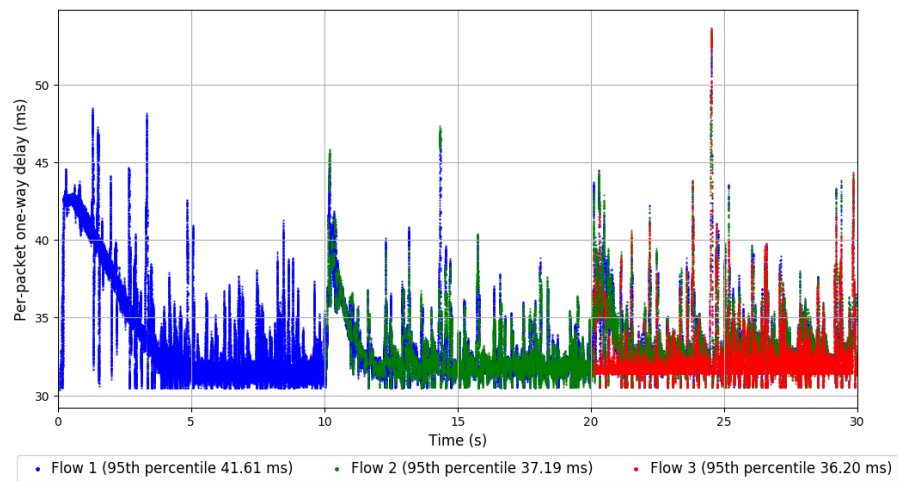
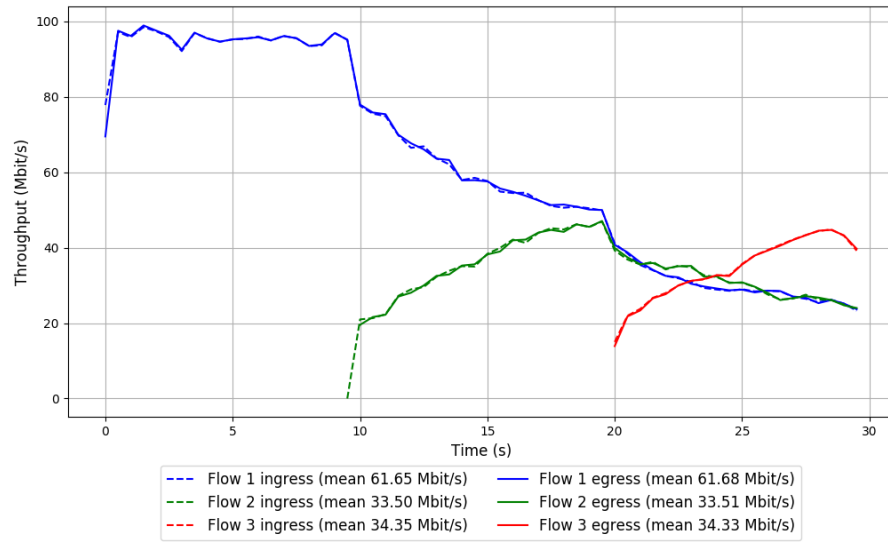


Run 4: Statistics of TCP Vegas

Start at: 2017-11-16 08:38:16
End at: 2017-11-16 08:38:46
Local clock offset: -1.017 ms
Remote clock offset: -19.114 ms

Below is generated by plot.py at 2017-11-16 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 40.523 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 41.614 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 37.190 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 36.199 ms
Loss rate: 0.34%

Run 4: Report of TCP Vegas — Data Link

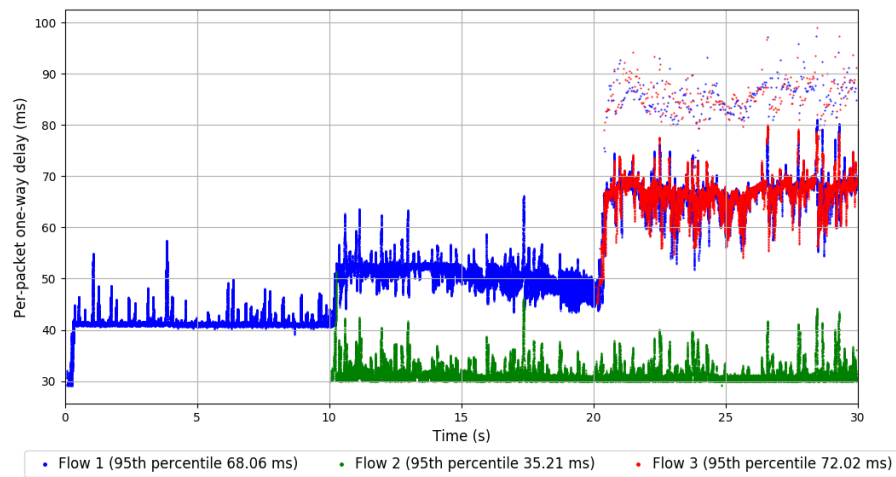
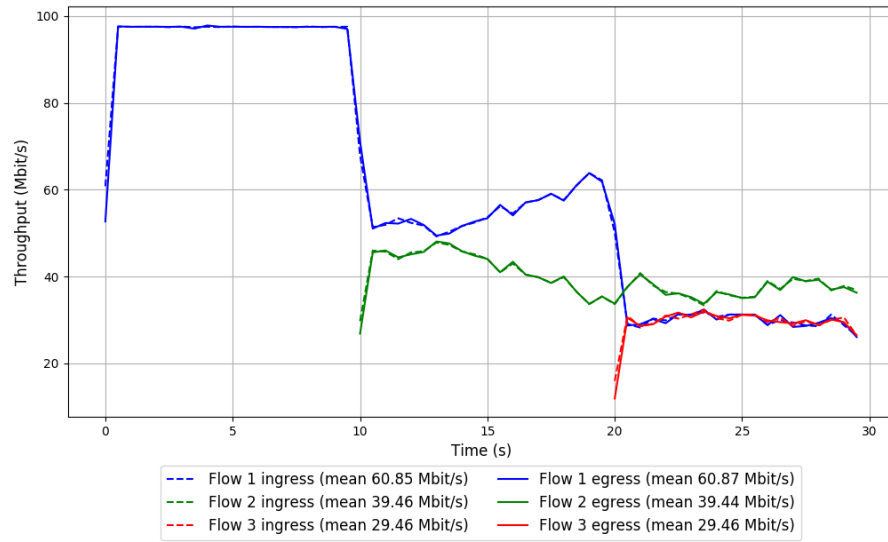


Run 5: Statistics of TCP Vegas

Start at: 2017-11-16 09:06:31
End at: 2017-11-16 09:07:01
Local clock offset: 0.289 ms
Remote clock offset: -17.036 ms

Below is generated by plot.py at 2017-11-16 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 68.390 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.87 Mbit/s
95th percentile per-packet one-way delay: 68.061 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 35.214 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 0.75%

Run 5: Report of TCP Vegas — Data Link

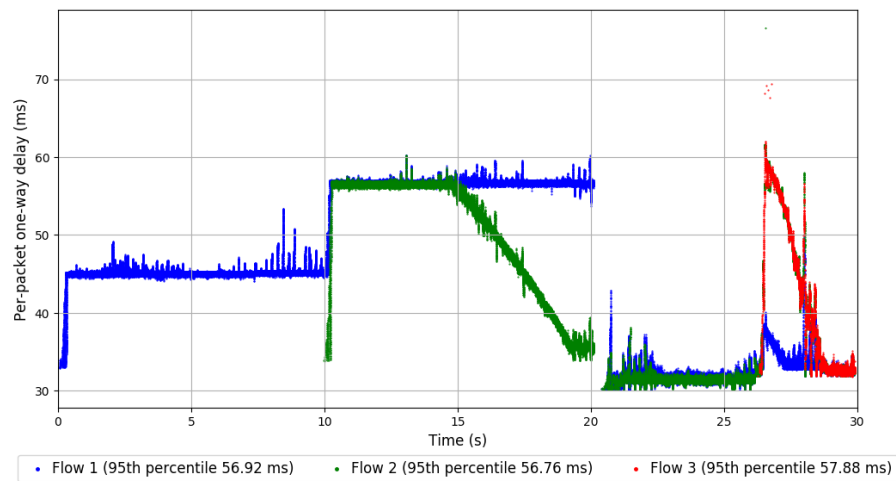
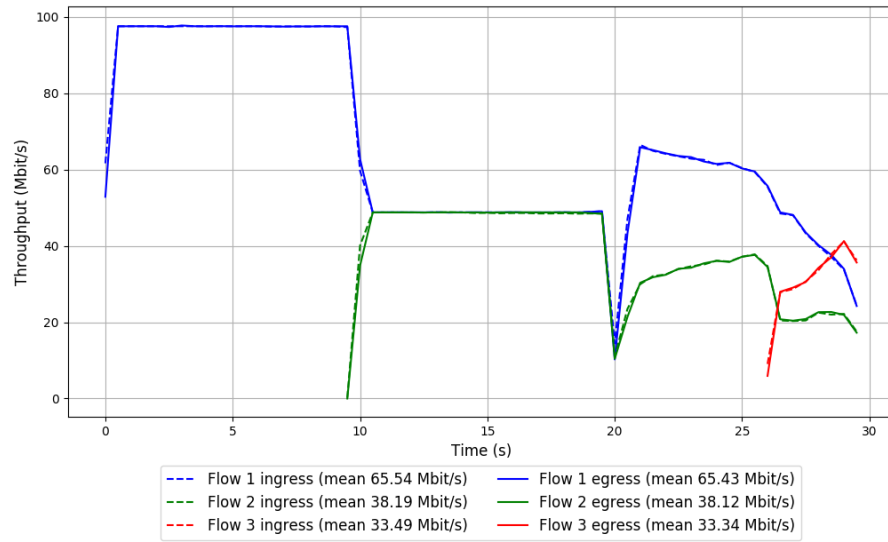


Run 6: Statistics of TCP Vegas

Start at: 2017-11-16 09:33:08
End at: 2017-11-16 09:33:38
Local clock offset: 3.135 ms
Remote clock offset: -17.176 ms

Below is generated by plot.py at 2017-11-16 14:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 56.897 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 65.43 Mbit/s
95th percentile per-packet one-way delay: 56.918 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 56.758 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 57.885 ms
Loss rate: 1.42%

Run 6: Report of TCP Vegas — Data Link

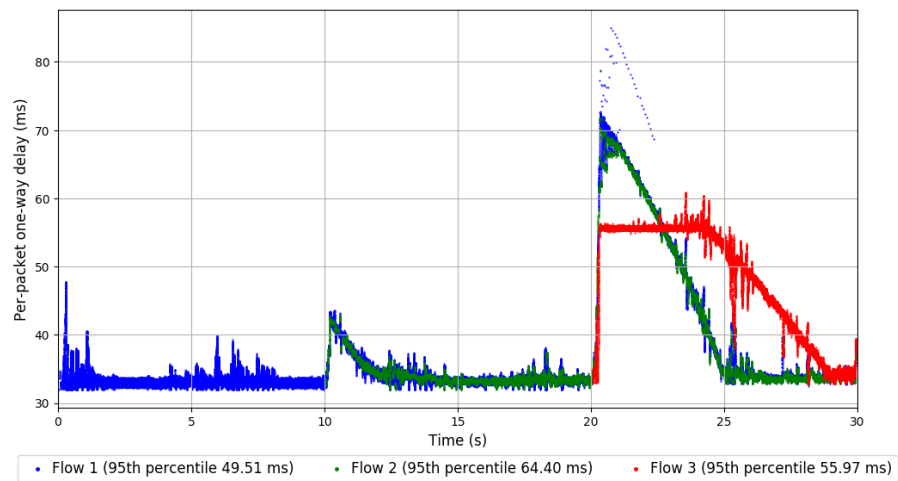
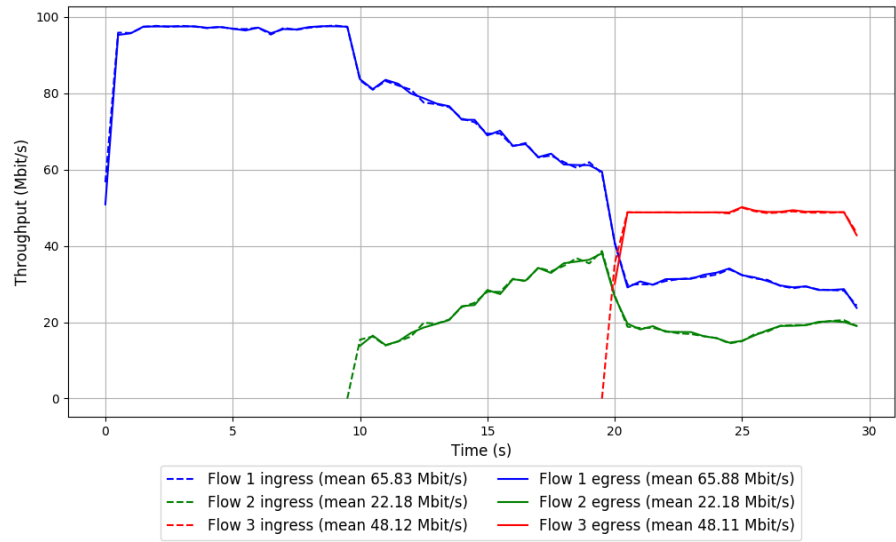


Run 7: Statistics of TCP Vegas

Start at: 2017-11-16 09:52:18
End at: 2017-11-16 09:52:48
Local clock offset: 2.008 ms
Remote clock offset: -16.771 ms

Below is generated by plot.py at 2017-11-16 14:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 55.953 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 49.509 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 64.404 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 55.967 ms
Loss rate: 0.42%

Run 7: Report of TCP Vegas — Data Link

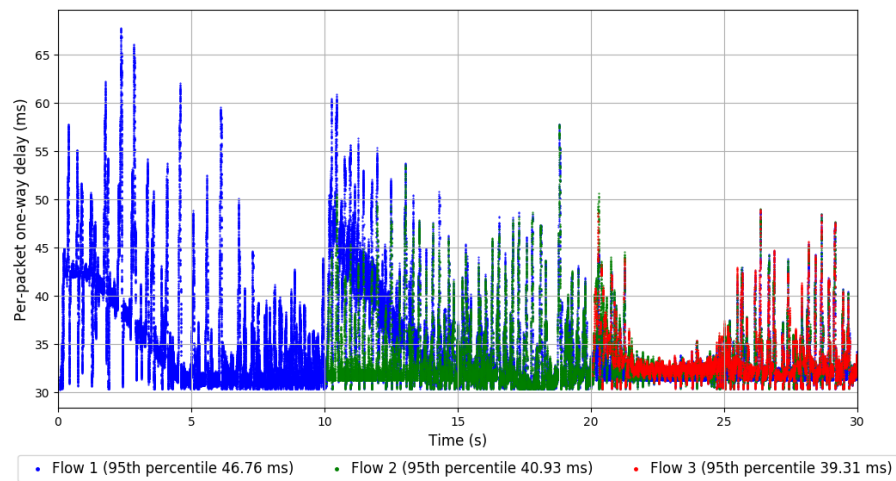
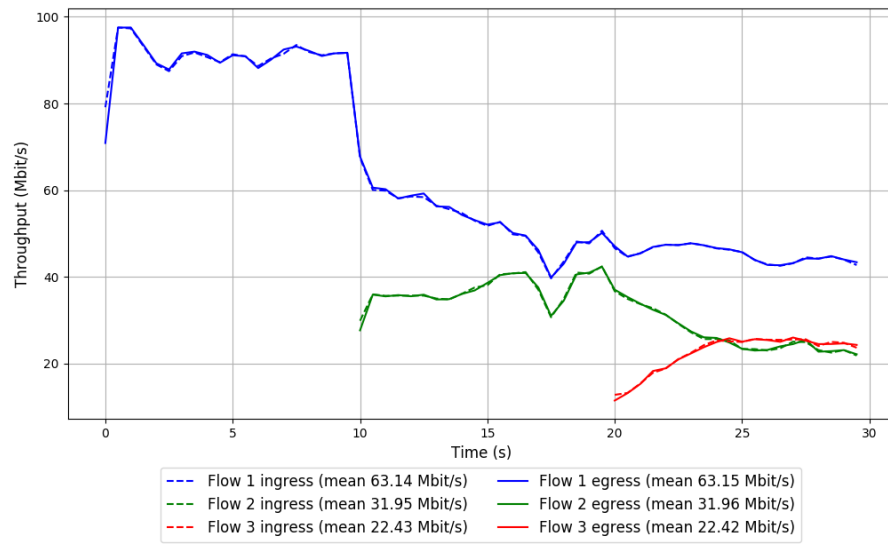


Run 8: Statistics of TCP Vegas

Start at: 2017-11-16 10:14:36
End at: 2017-11-16 10:15:06
Local clock offset: 1.674 ms
Remote clock offset: -19.039 ms

Below is generated by plot.py at 2017-11-16 14:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 45.046 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.15 Mbit/s
95th percentile per-packet one-way delay: 46.760 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 40.928 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 39.311 ms
Loss rate: 0.28%

Run 8: Report of TCP Vegas — Data Link

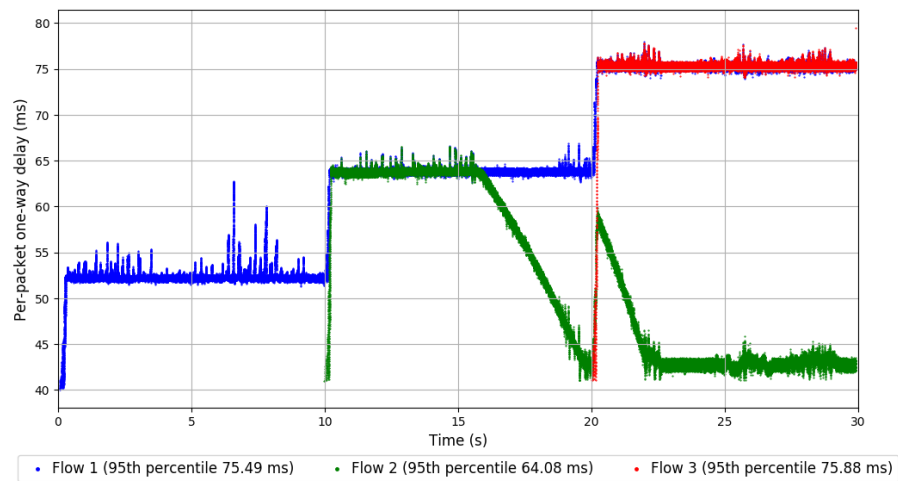
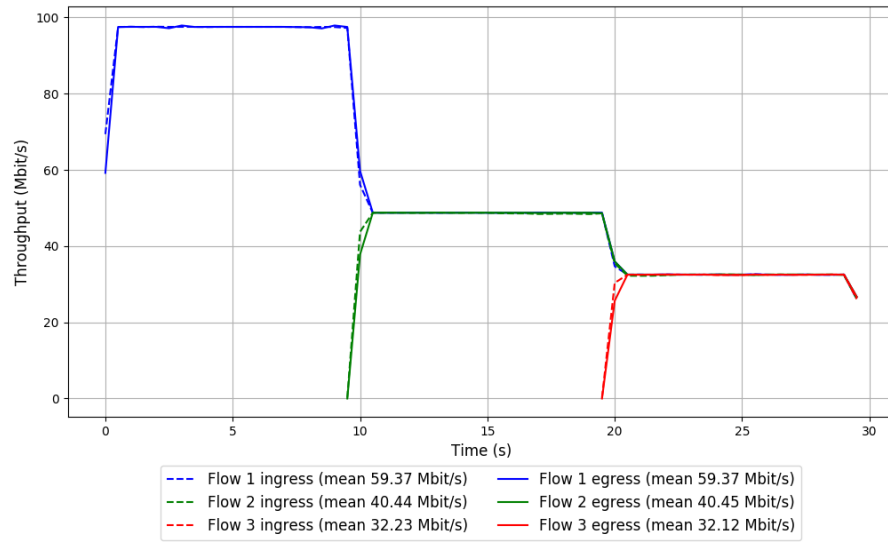


Run 9: Statistics of TCP Vegas

Start at: 2017-11-16 10:34:40
End at: 2017-11-16 10:35:10
Local clock offset: 3.055 ms
Remote clock offset: -17.42 ms

Below is generated by plot.py at 2017-11-16 14:47:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 75.590 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 75.492 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 64.084 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 75.878 ms
Loss rate: 0.68%

Run 9: Report of TCP Vegas — Data Link

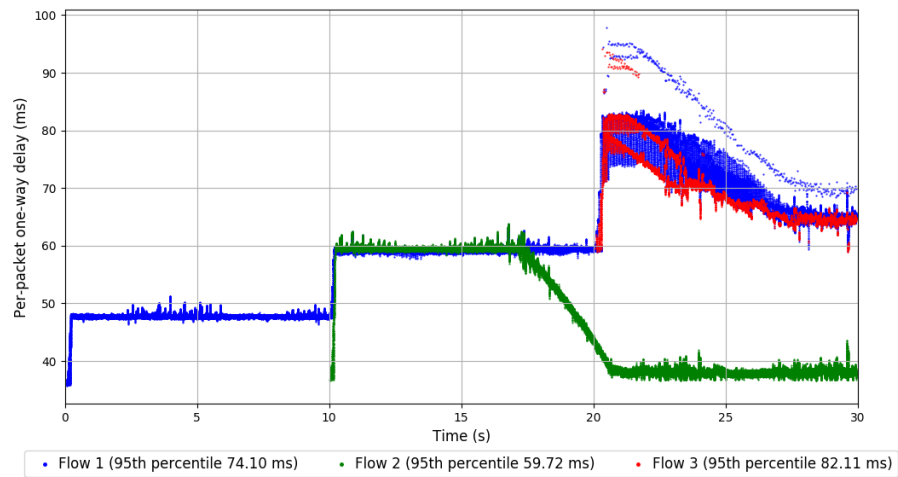
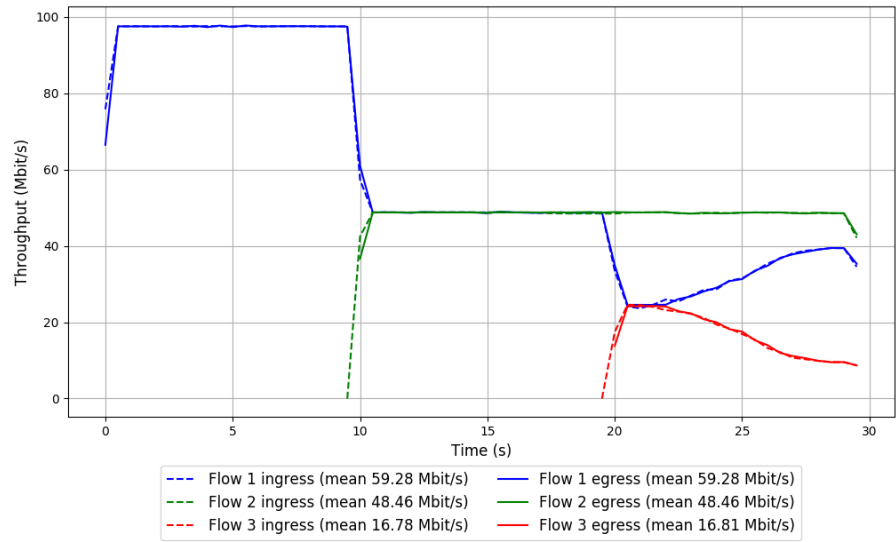


Run 10: Statistics of TCP Vegas

Start at: 2017-11-16 10:53:44
End at: 2017-11-16 10:54:14
Local clock offset: 3.441 ms
Remote clock offset: -18.505 ms

Below is generated by plot.py at 2017-11-16 14:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 73.970 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 74.099 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 59.718 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.81 Mbit/s
95th percentile per-packet one-way delay: 82.108 ms
Loss rate: 0.33%

Run 10: Report of TCP Vegas — Data Link

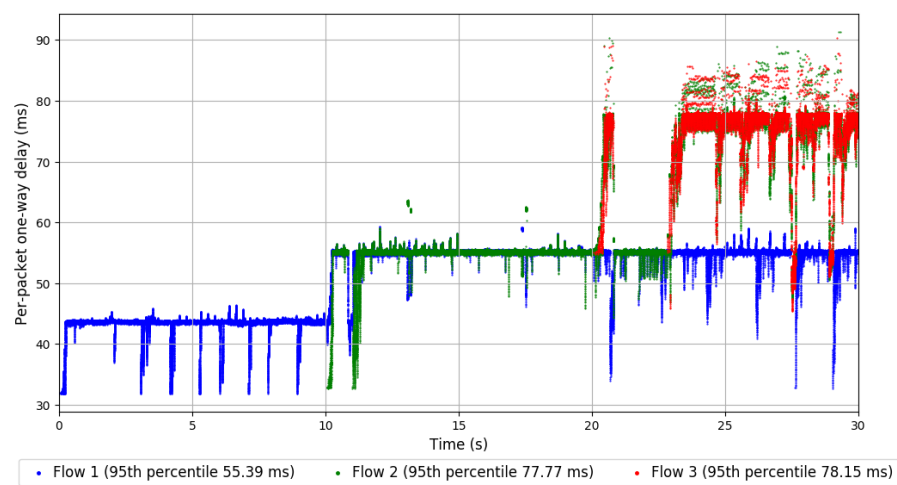
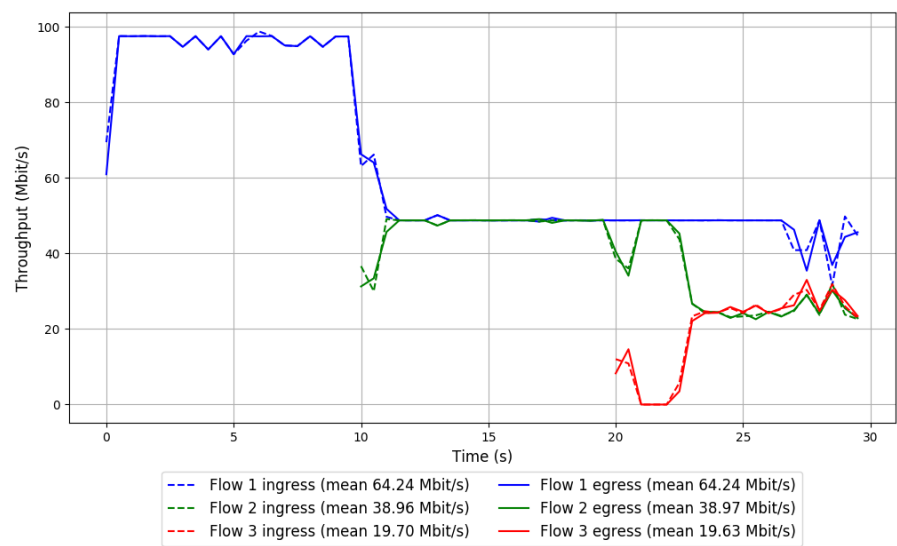


Run 1: Statistics of Verus

Start at: 2017-11-16 07:20:22
End at: 2017-11-16 07:20:52
Local clock offset: 3.979 ms
Remote clock offset: -16.772 ms

Below is generated by plot.py at 2017-11-16 14:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 77.469 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 55.393 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 77.773 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 78.146 ms
Loss rate: 0.82%

Run 1: Report of Verus — Data Link

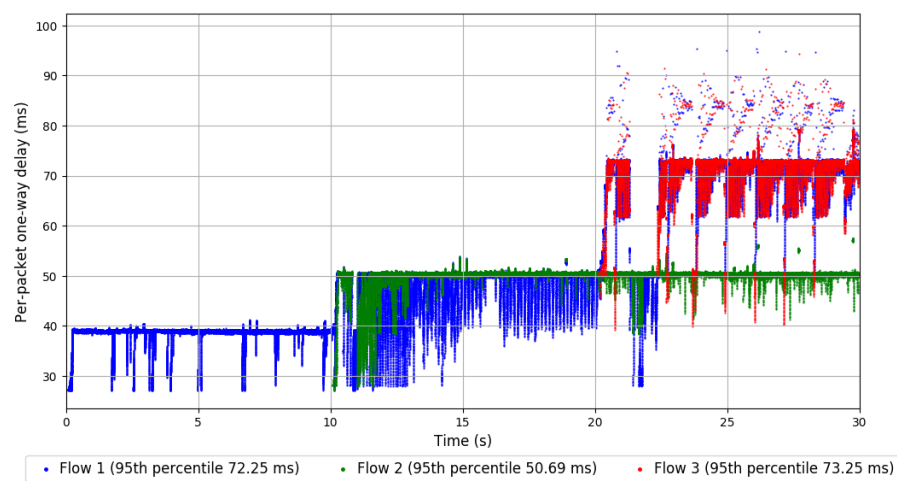
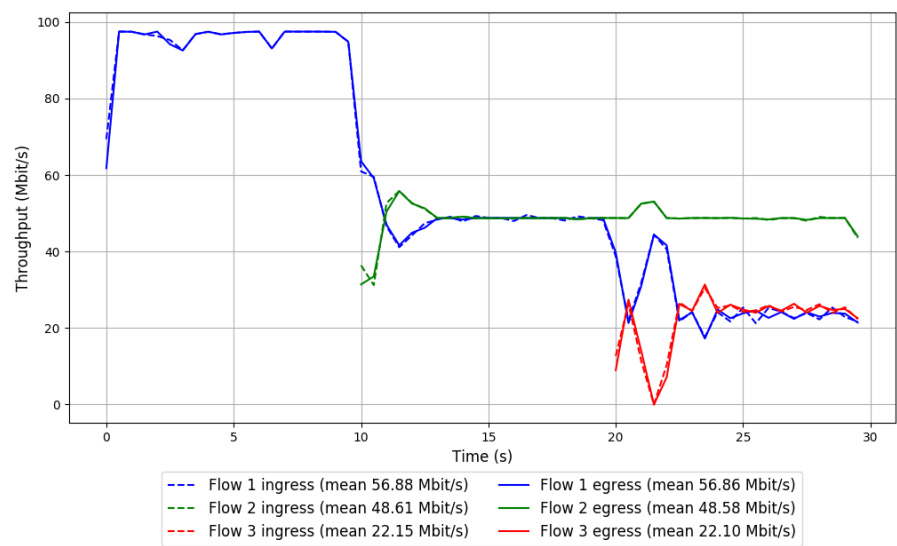


Run 2: Statistics of Verus

Start at: 2017-11-16 07:40:58
End at: 2017-11-16 07:41:28
Local clock offset: -1.855 ms
Remote clock offset: -17.25 ms

Below is generated by plot.py at 2017-11-16 14:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 72.675 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 72.254 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 50.689 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 73.255 ms
Loss rate: 0.77%

Run 2: Report of Verus — Data Link

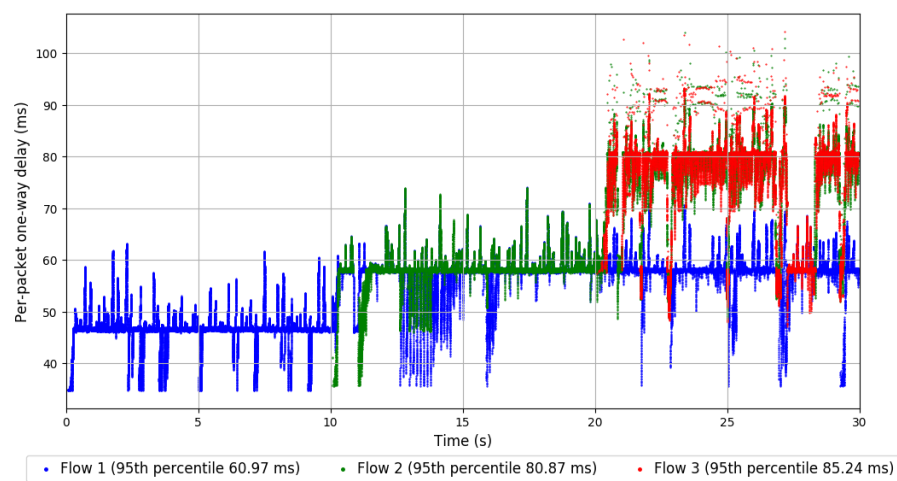
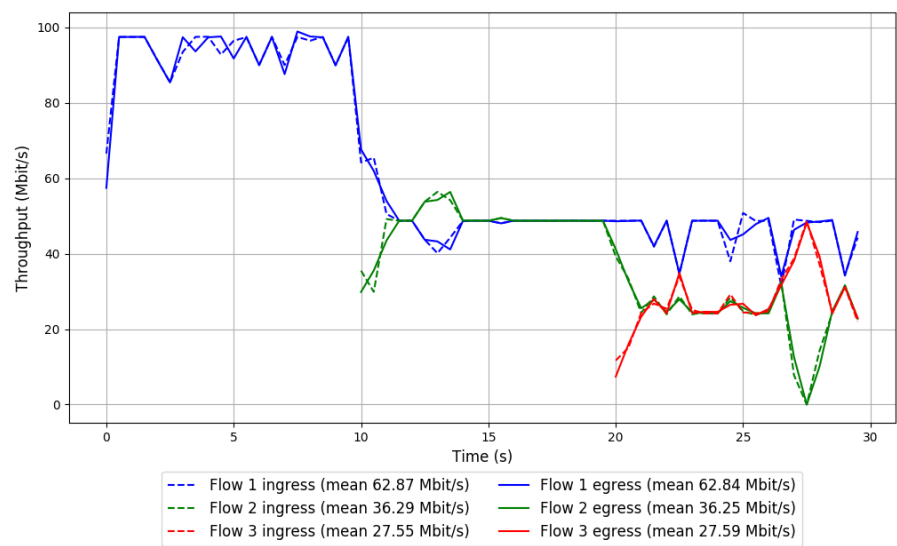


Run 3: Statistics of Verus

Start at: 2017-11-16 08:02:29
End at: 2017-11-16 08:02:59
Local clock offset: 2.055 ms
Remote clock offset: -19.688 ms

Below is generated by plot.py at 2017-11-16 14:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 80.579 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 60.968 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 80.871 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 85.237 ms
Loss rate: 0.64%

Run 3: Report of Verus — Data Link

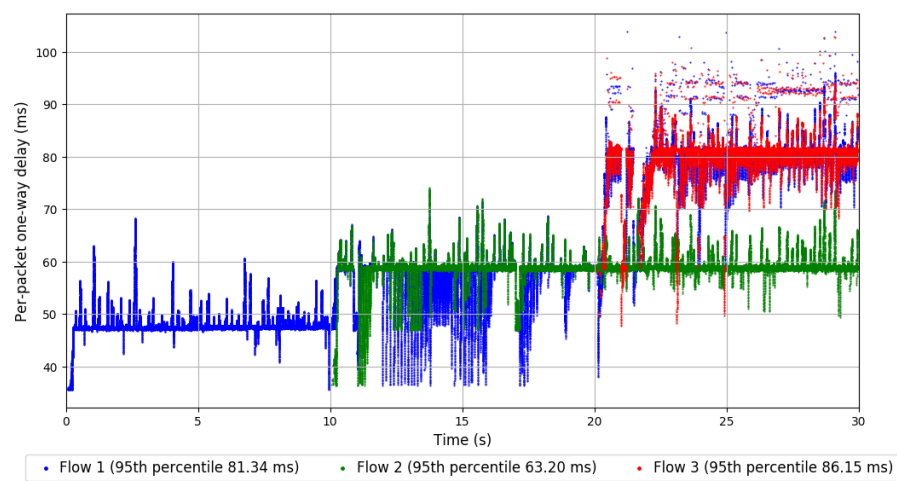
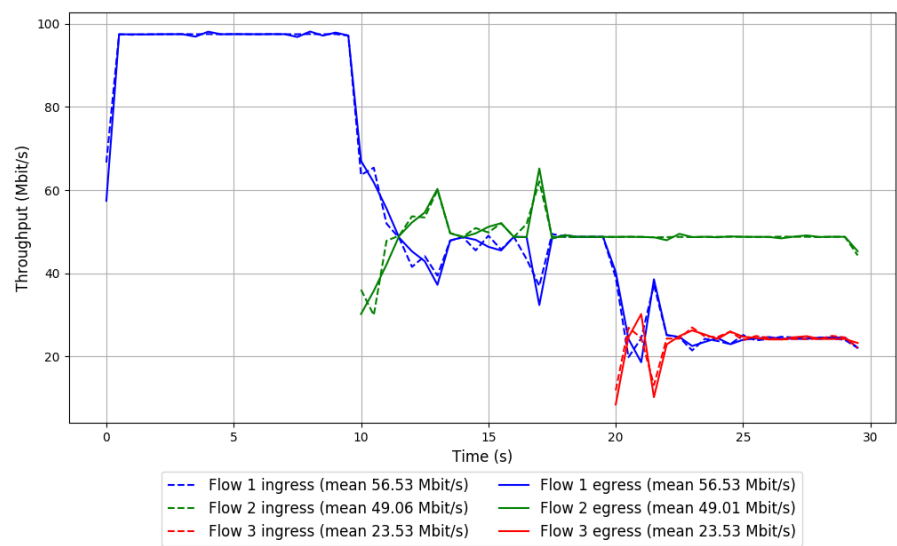


Run 4: Statistics of Verus

Start at: 2017-11-16 08:29:24
End at: 2017-11-16 08:29:54
Local clock offset: 1.849 ms
Remote clock offset: -21.897 ms

Below is generated by plot.py at 2017-11-16 14:48:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 81.413 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 81.337 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 63.198 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 86.150 ms
Loss rate: 0.69%

Run 4: Report of Verus — Data Link

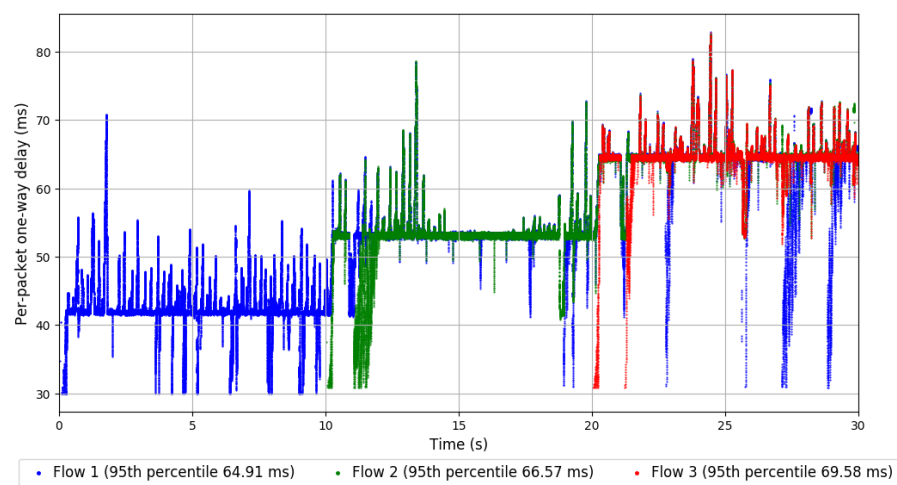
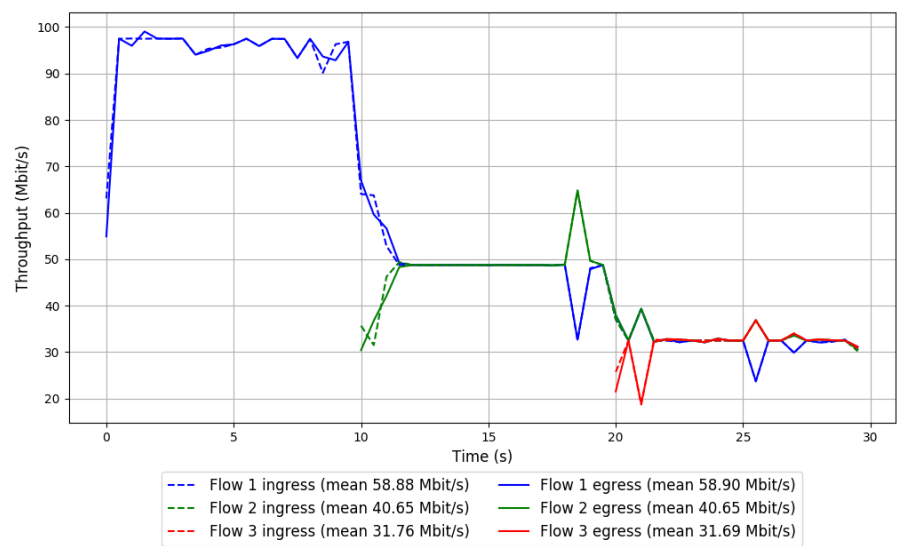


Run 5: Statistics of Verus

Start at: 2017-11-16 08:57:56
End at: 2017-11-16 08:58:26
Local clock offset: 0.756 ms
Remote clock offset: -16.907 ms

Below is generated by plot.py at 2017-11-16 14:48:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 65.798 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 64.914 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 66.572 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 69.578 ms
Loss rate: 0.61%

Run 5: Report of Verus — Data Link

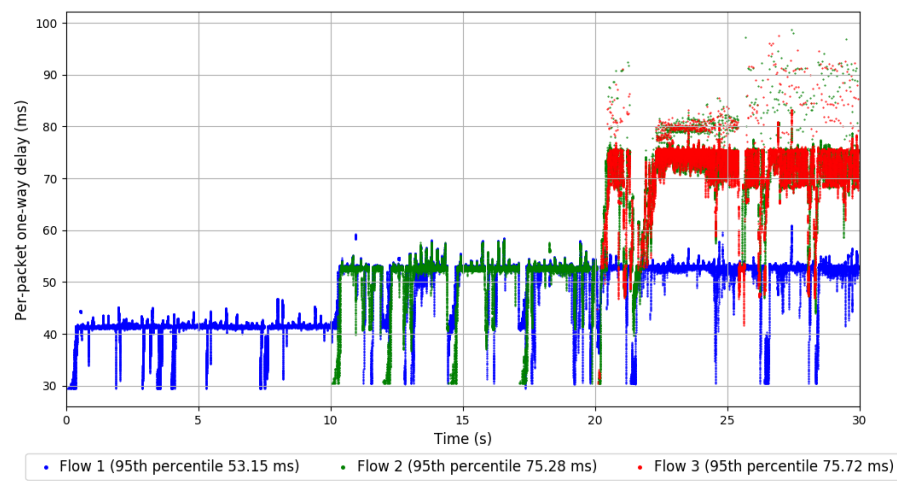
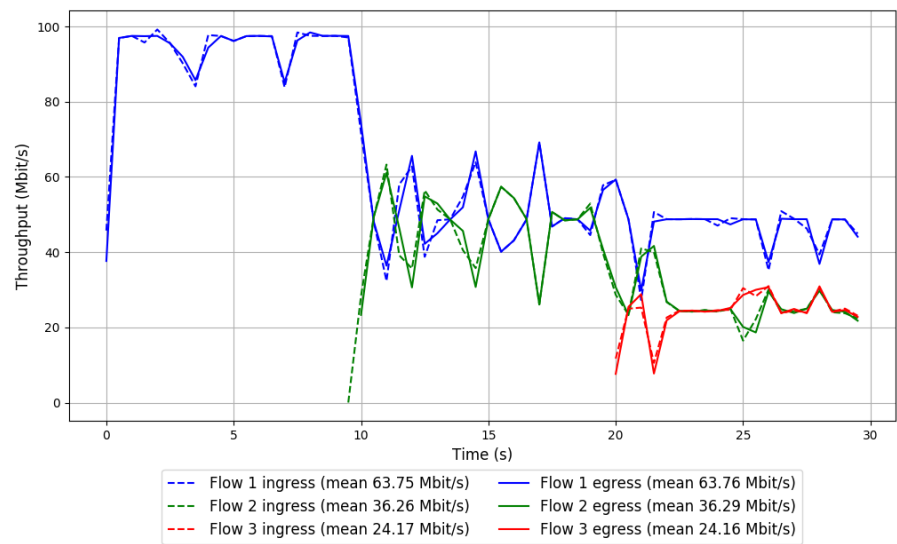


Run 6: Statistics of Verus

Start at: 2017-11-16 09:26:34
End at: 2017-11-16 09:27:04
Local clock offset: 0.836 ms
Remote clock offset: -17.443 ms

Below is generated by plot.py at 2017-11-16 14:48:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 74.406 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 53.150 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 75.278 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 75.722 ms
Loss rate: 0.80%

Run 6: Report of Verus — Data Link

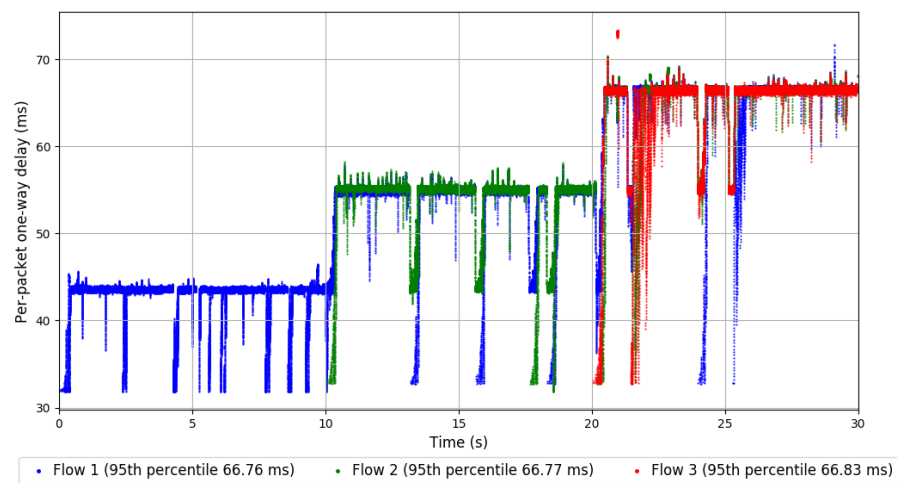
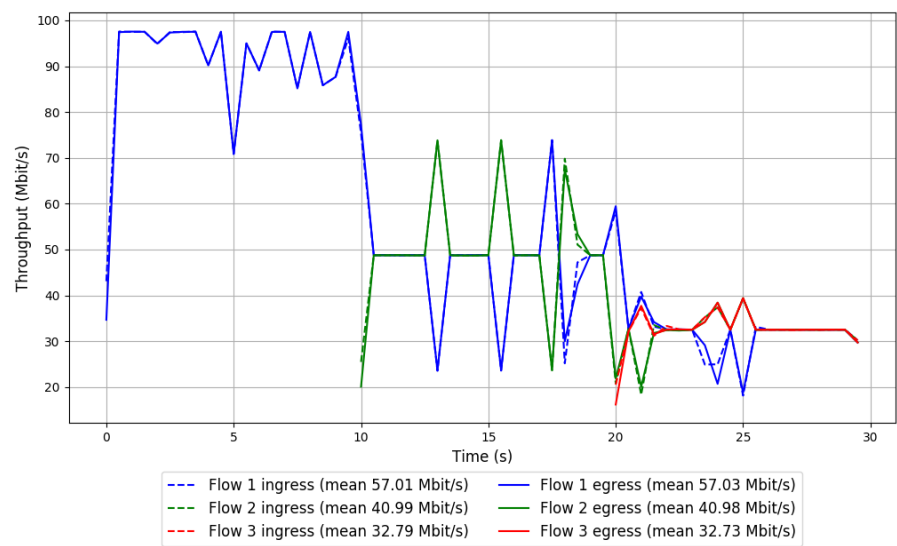


Run 7: Statistics of Verus

Start at: 2017-11-16 09:46:59
End at: 2017-11-16 09:47:29
Local clock offset: 0.681 ms
Remote clock offset: -17.936 ms

Below is generated by plot.py at 2017-11-16 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 66.779 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 66.762 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 66.774 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 66.828 ms
Loss rate: 0.73%

Run 7: Report of Verus — Data Link

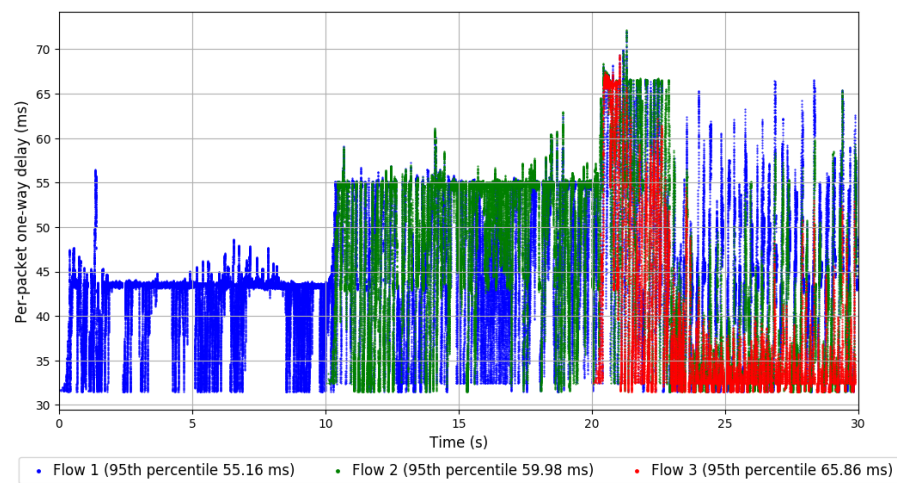
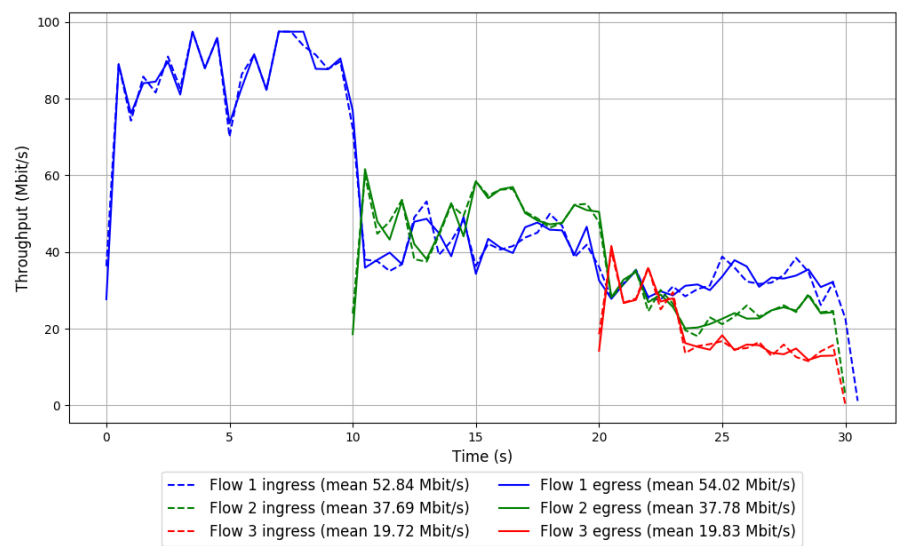


Run 8: Statistics of Verus

Start at: 2017-11-16 10:07:09
End at: 2017-11-16 10:07:39
Local clock offset: 1.576 ms
Remote clock offset: -17.304 ms

Below is generated by plot.py at 2017-11-16 14:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 55.156 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 59.975 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 65.859 ms
Loss rate: 1.04%

Run 8: Report of Verus — Data Link

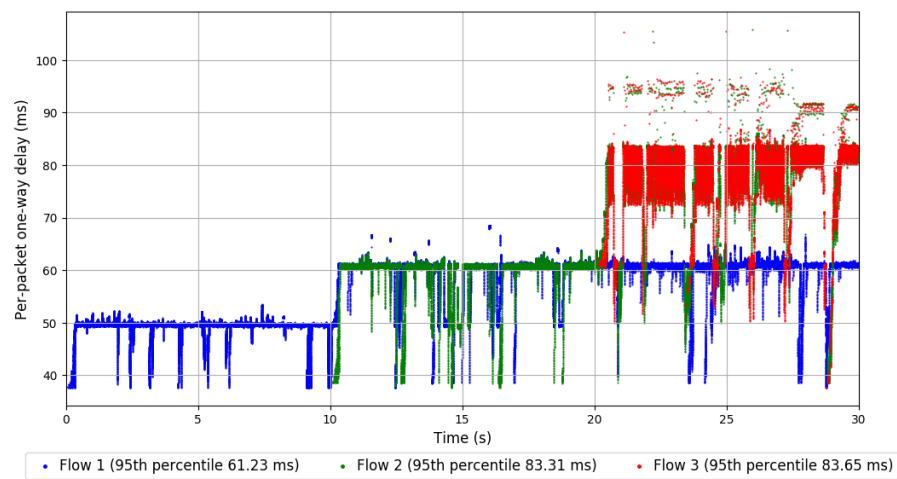
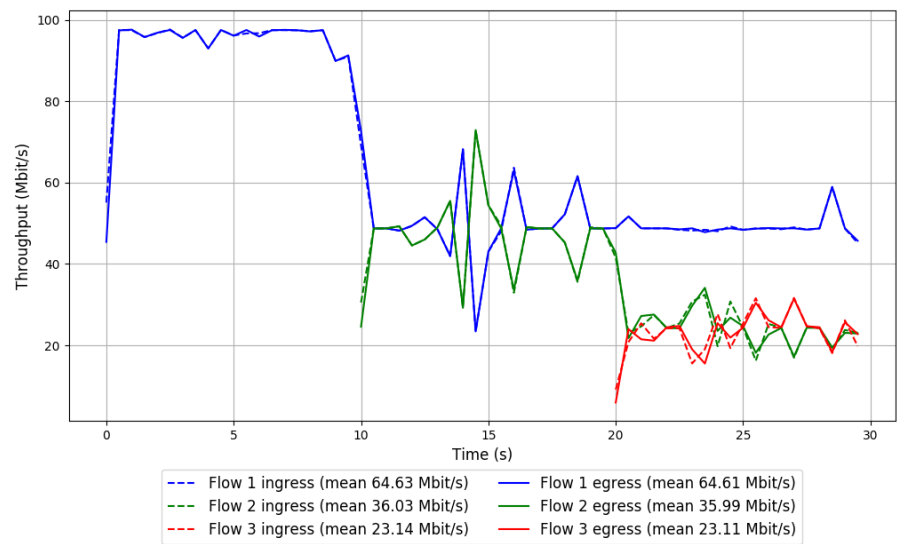


Run 9: Statistics of Verus

Start at: 2017-11-16 10:29:05
End at: 2017-11-16 10:29:35
Local clock offset: 1.46 ms
Remote clock offset: -17.028 ms

Below is generated by plot.py at 2017-11-16 14:49:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 81.700 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 61.234 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 83.315 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 83.650 ms
Loss rate: 0.19%

Run 9: Report of Verus — Data Link

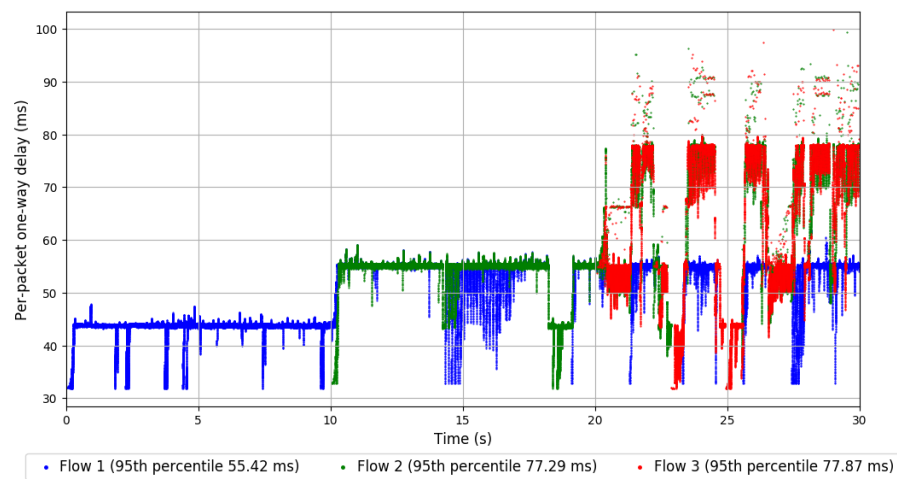
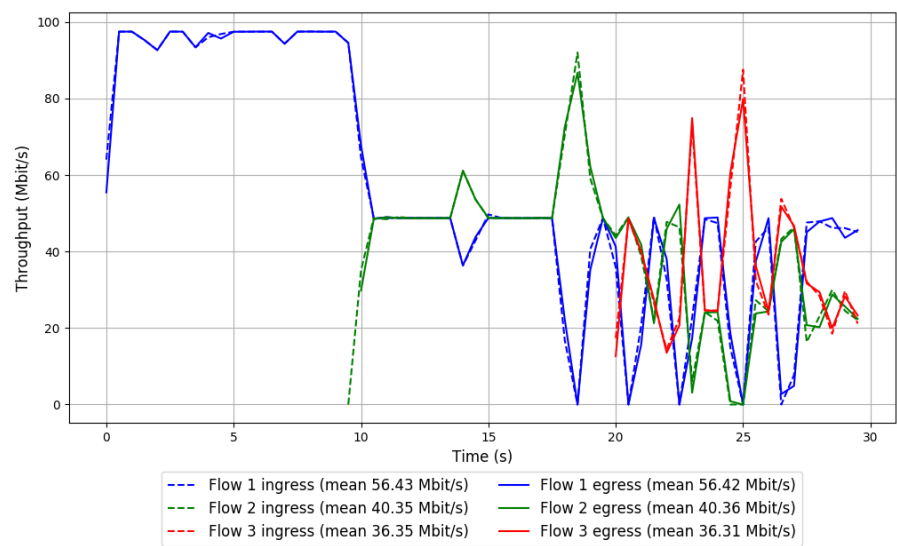


Run 10: Statistics of Verus

Start at: 2017-11-16 10:48:06
End at: 2017-11-16 10:48:36
Local clock offset: 1.638 ms
Remote clock offset: -15.97 ms

Below is generated by plot.py at 2017-11-16 14:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 74.674 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 55.420 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.36 Mbit/s
95th percentile per-packet one-way delay: 77.290 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 77.870 ms
Loss rate: 0.30%

Run 10: Report of Verus — Data Link

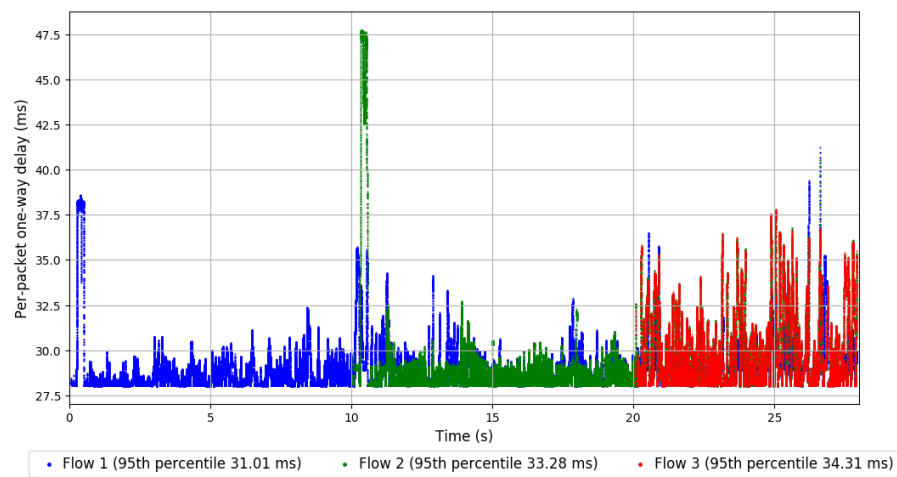
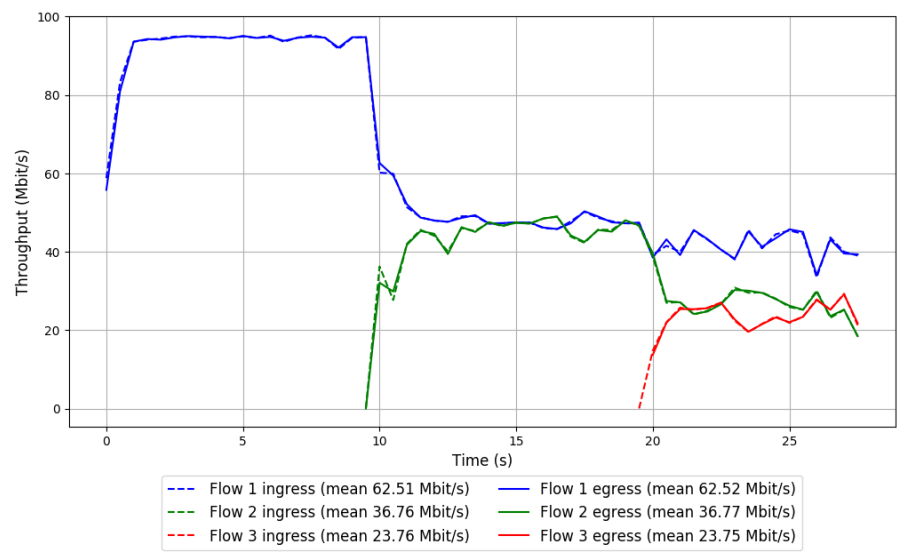


Run 1: Statistics of Copa

Start at: 2017-11-16 07:33:53
End at: 2017-11-16 07:34:23
Local clock offset: -0.195 ms
Remote clock offset: -16.502 ms

Below is generated by plot.py at 2017-11-16 14:50:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 32.202 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 31.010 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 33.284 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 34.306 ms
Loss rate: 0.34%

Run 1: Report of Copa — Data Link

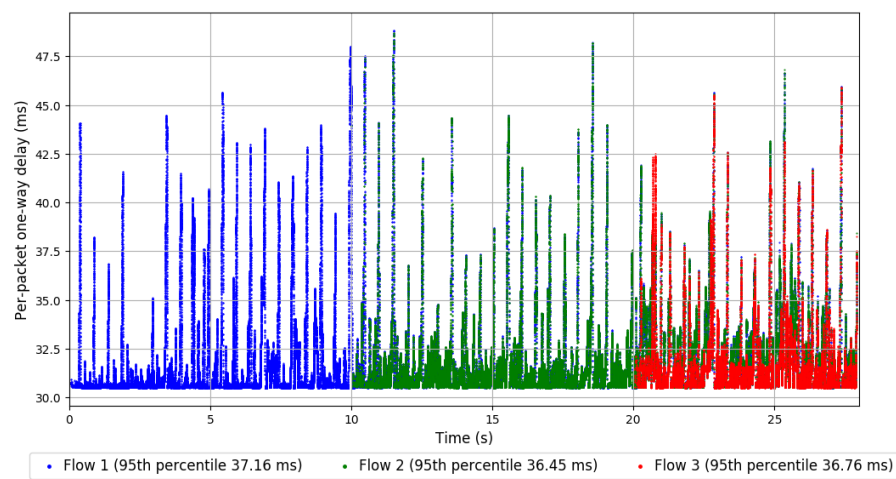
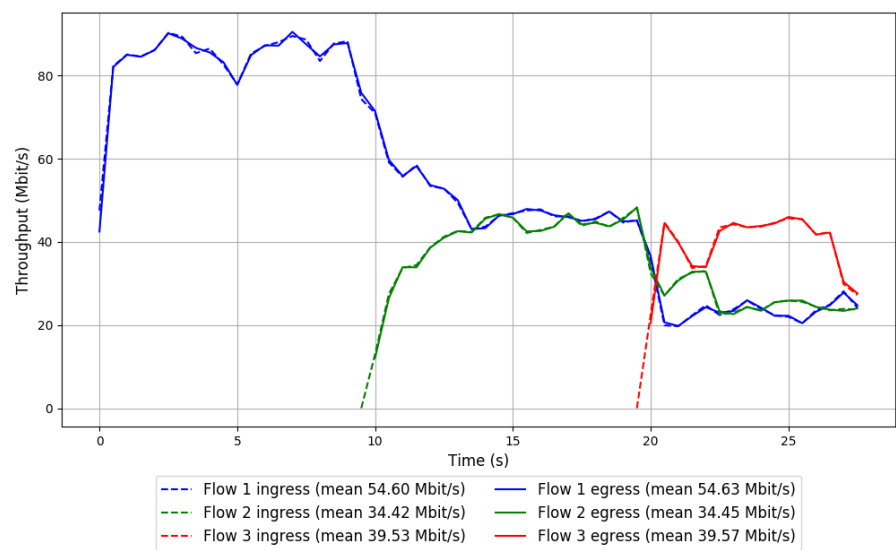


Run 2: Statistics of Copa

Start at: 2017-11-16 07:54:29
End at: 2017-11-16 07:54:59
Local clock offset: -1.553 ms
Remote clock offset: -19.133 ms

Below is generated by plot.py at 2017-11-16 14:50:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.96 Mbit/s
95th percentile per-packet one-way delay: 36.897 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 37.162 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 36.451 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 36.760 ms
Loss rate: 0.28%

Run 2: Report of Copa — Data Link

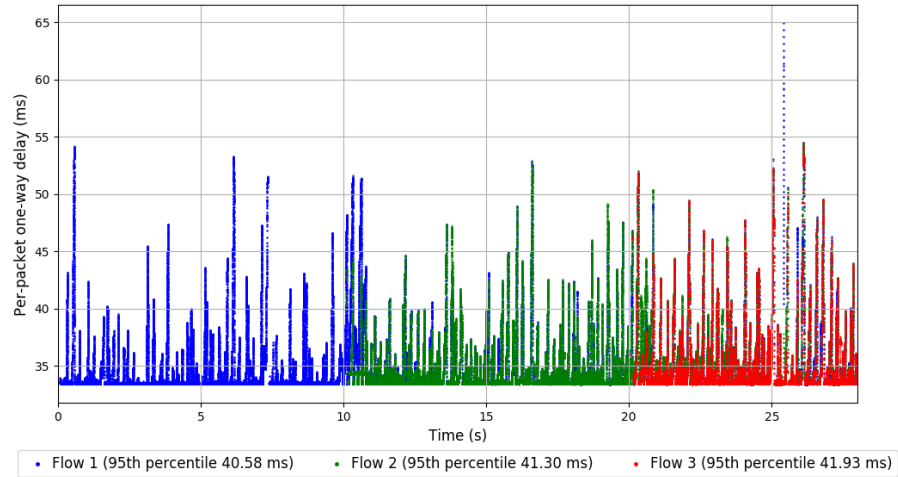
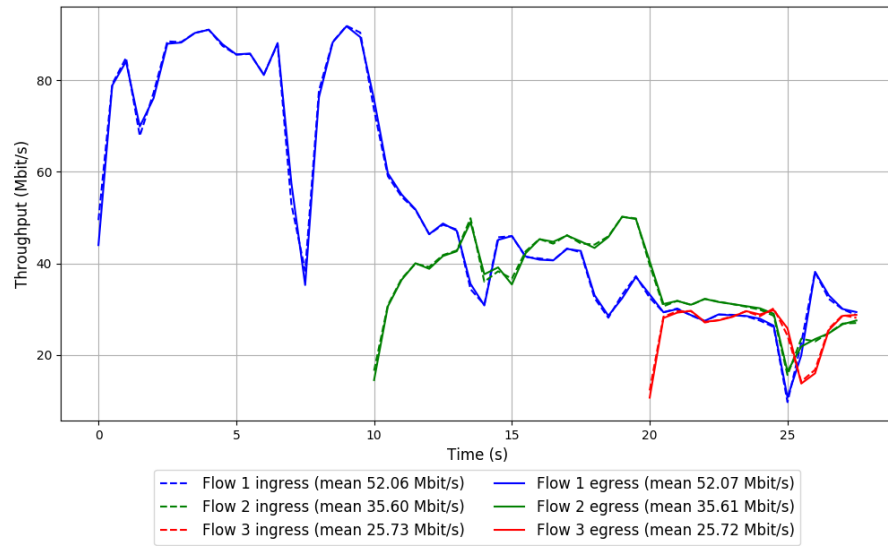


Run 3: Statistics of Copa

Start at: 2017-11-16 08:19:27
End at: 2017-11-16 08:19:57
Local clock offset: 0.565 ms
Remote clock offset: -20.614 ms

Below is generated by plot.py at 2017-11-16 14:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 40.938 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 40.580 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.61 Mbit/s
95th percentile per-packet one-way delay: 41.302 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 41.930 ms
Loss rate: 0.38%

Run 3: Report of Copa — Data Link

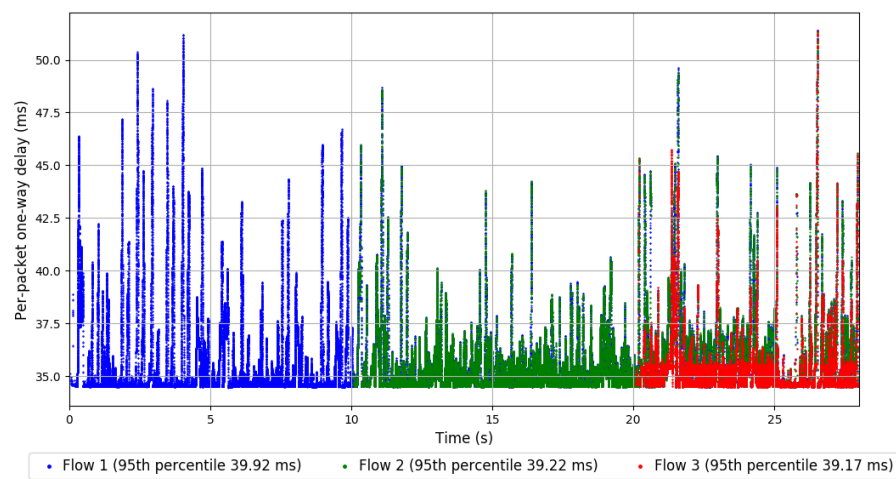
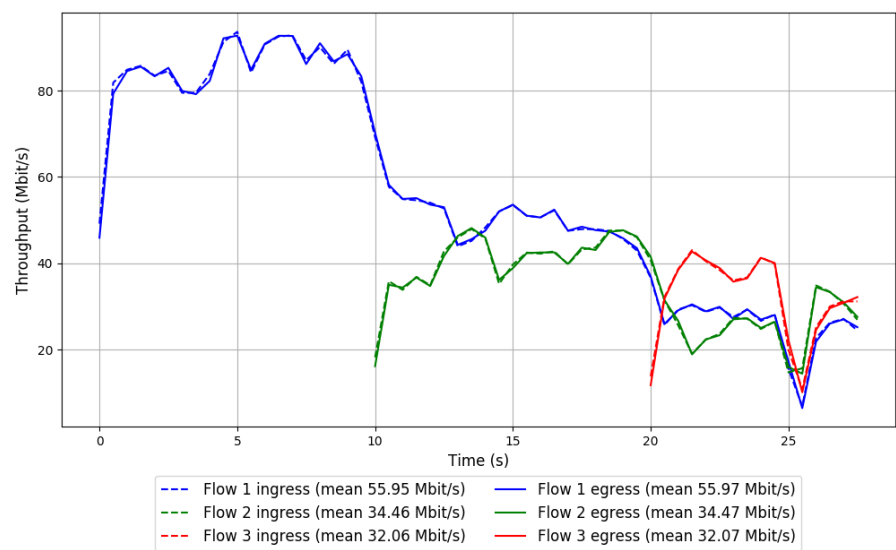


Run 4: Statistics of Copa

Start at: 2017-11-16 08:48:05
End at: 2017-11-16 08:48:35
Local clock offset: 2.437 ms
Remote clock offset: -18.96 ms

Below is generated by plot.py at 2017-11-16 14:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 39.690 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 39.922 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 39.219 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 39.172 ms
Loss rate: 0.30%

Run 4: Report of Copa — Data Link

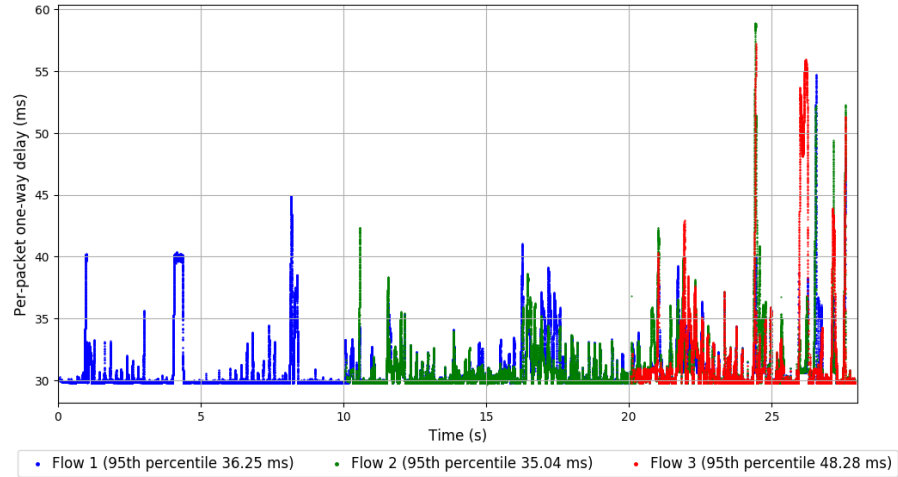
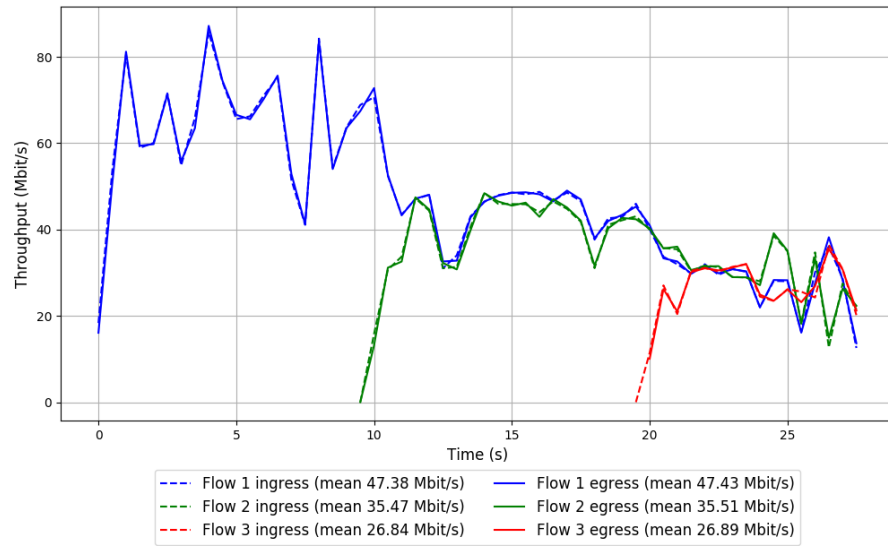


Run 5: Statistics of Copa

Start at: 2017-11-16 09:18:50
End at: 2017-11-16 09:19:20
Local clock offset: 0.321 ms
Remote clock offset: -18.172 ms

Below is generated by plot.py at 2017-11-16 14:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.85 Mbit/s
95th percentile per-packet one-way delay: 36.215 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 36.248 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 35.042 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 48.281 ms
Loss rate: 0.31%

Run 5: Report of Copa — Data Link

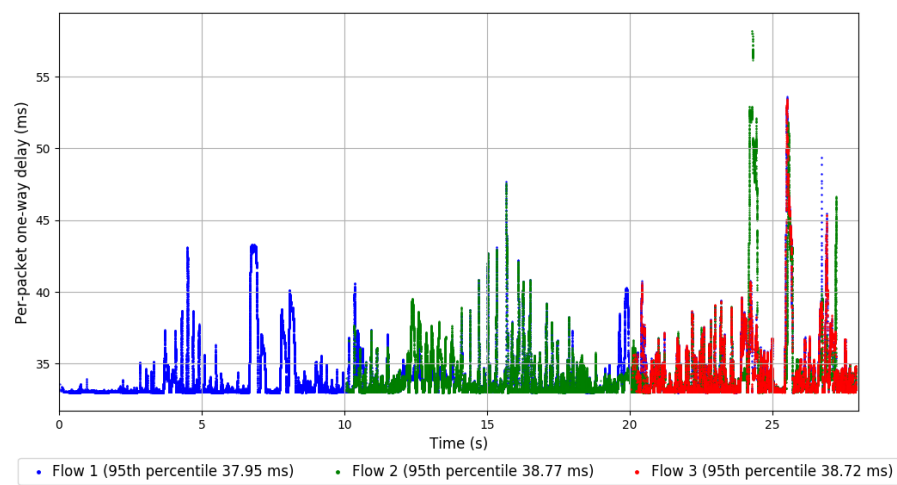
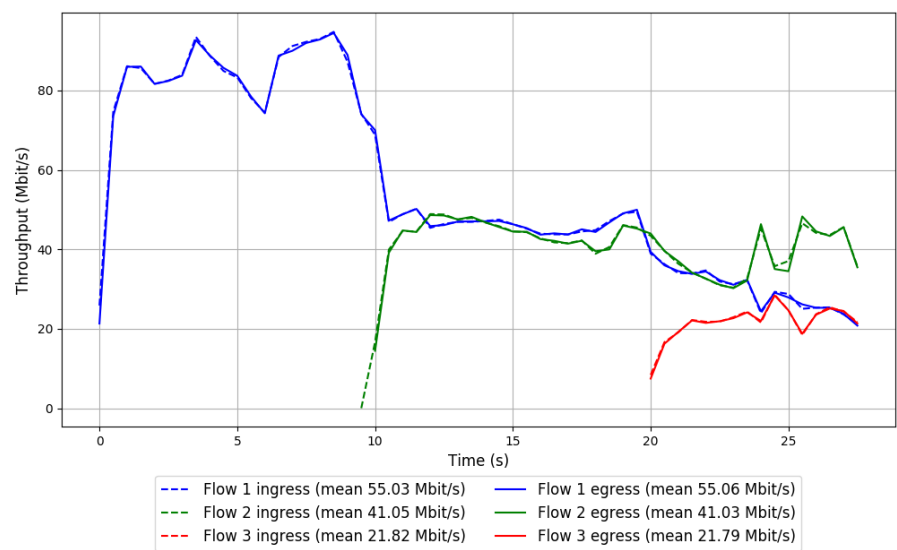


Run 6: Statistics of Copa

Start at: 2017-11-16 09:39:59
End at: 2017-11-16 09:40:29
Local clock offset: 2.769 ms
Remote clock offset: -16.96 ms

```
# Below is generated by plot.py at 2017-11-16 14:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 38.228 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 37.955 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 38.766 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 38.719 ms
Loss rate: 0.60%
```

Run 6: Report of Copa — Data Link

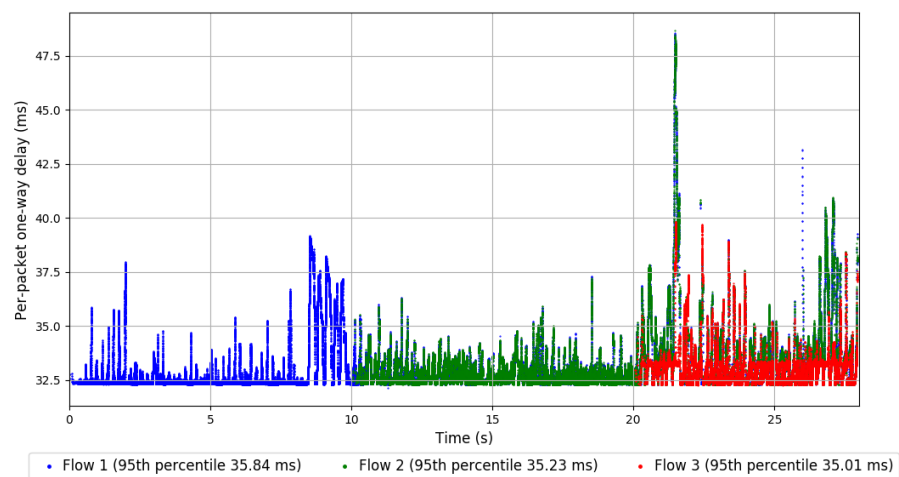
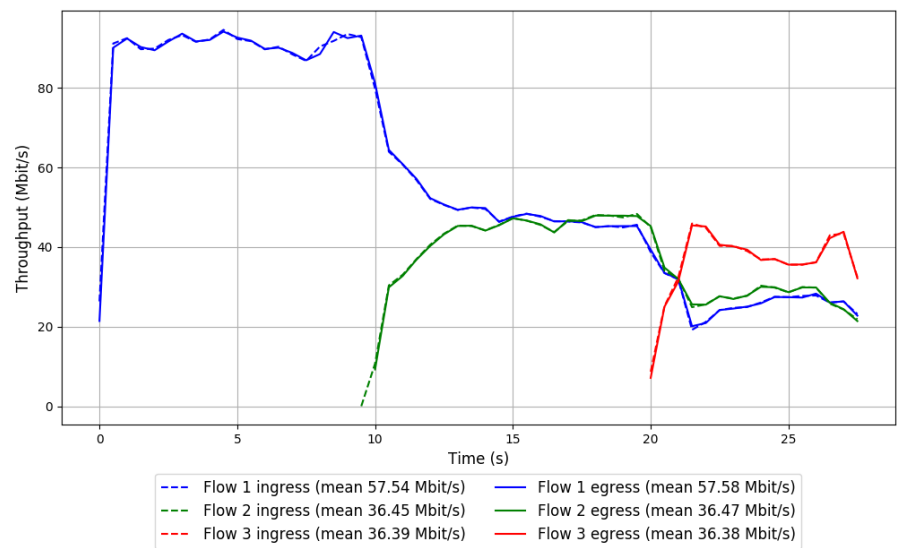


Run 7: Statistics of Copa

Start at: 2017-11-16 09:59:43
End at: 2017-11-16 10:00:13
Local clock offset: 2.721 ms
Remote clock offset: -16.574 ms

Below is generated by plot.py at 2017-11-16 14:51:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 35.601 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 35.845 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 35.228 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 35.006 ms
Loss rate: 0.53%

Run 7: Report of Copa — Data Link

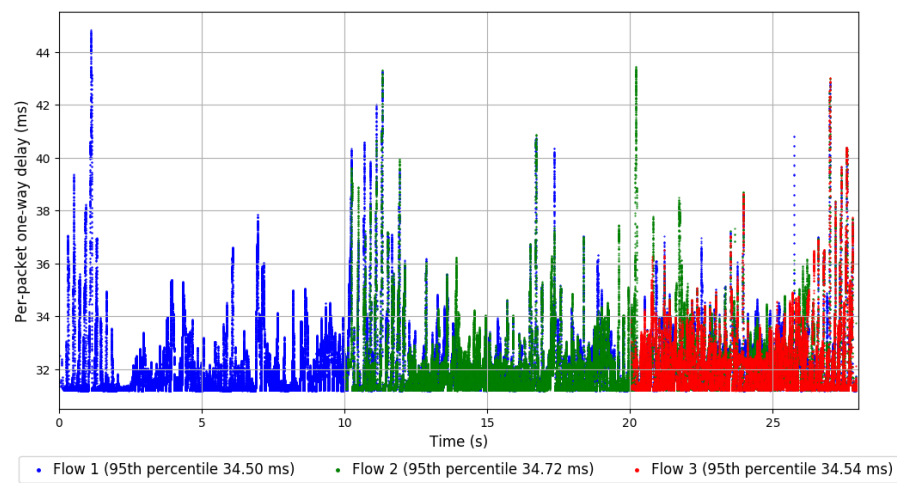
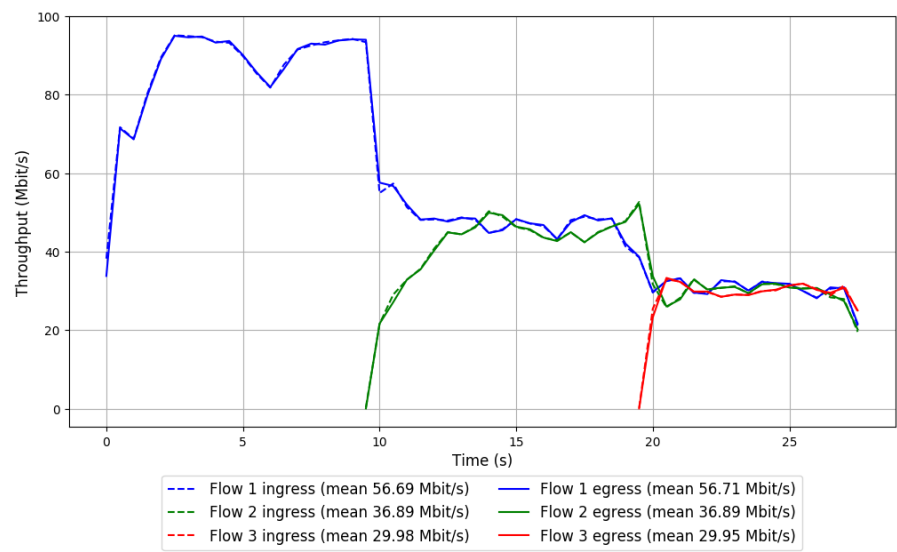


Run 8: Statistics of Copa

Start at: 2017-11-16 10:21:55
End at: 2017-11-16 10:22:25
Local clock offset: 3.49 ms
Remote clock offset: -17.527 ms

Below is generated by plot.py at 2017-11-16 14:51:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 34.560 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 34.497 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 34.715 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 34.544 ms
Loss rate: 0.38%

Run 8: Report of Copa — Data Link

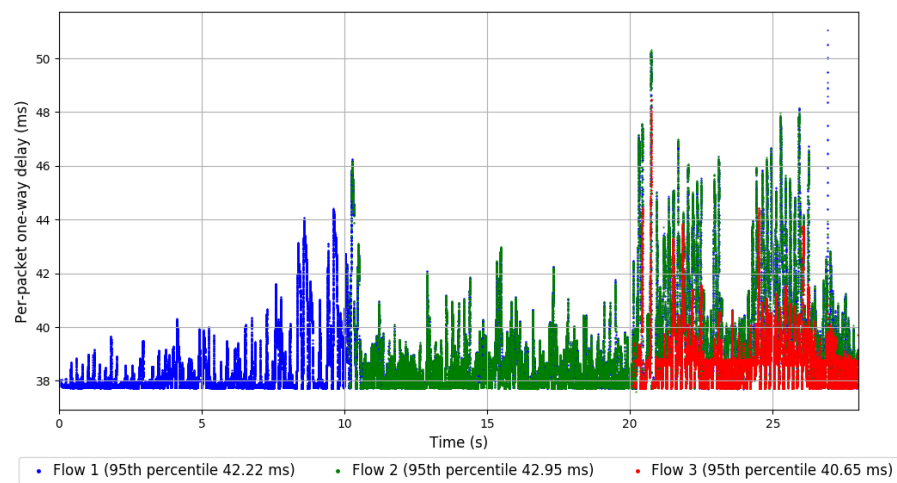
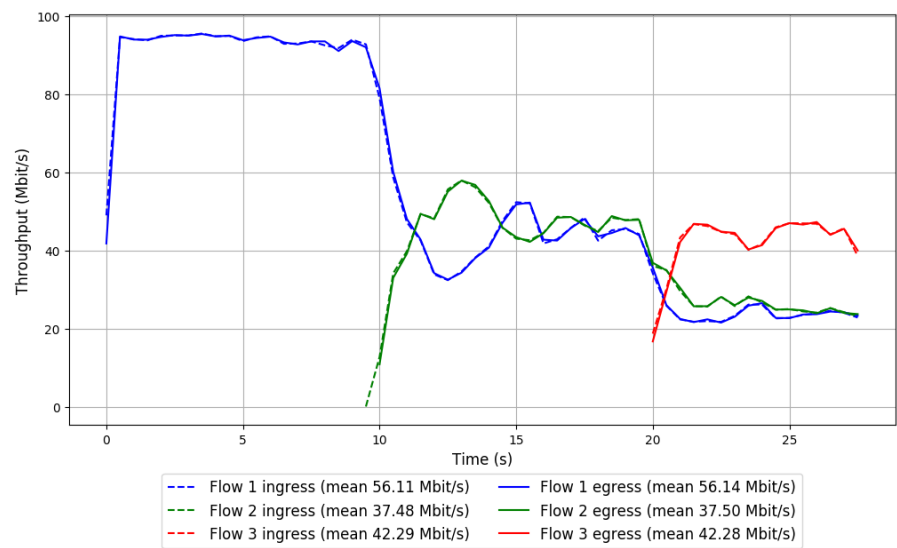


Run 9: Statistics of Copa

Start at: 2017-11-16 10:41:26
End at: 2017-11-16 10:41:56
Local clock offset: 4.803 ms
Remote clock offset: -18.493 ms

Below is generated by plot.py at 2017-11-16 14:52:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 42.244 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 42.221 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 42.955 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 40.649 ms
Loss rate: 0.33%

Run 9: Report of Copa — Data Link

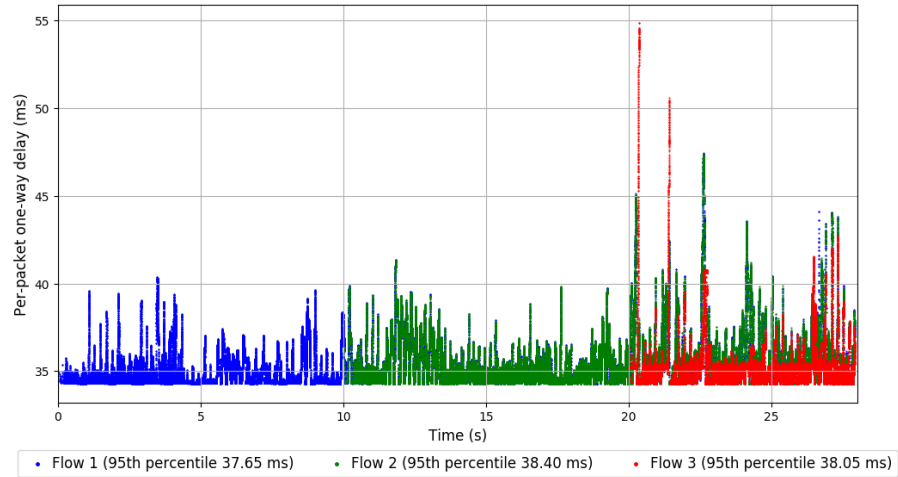
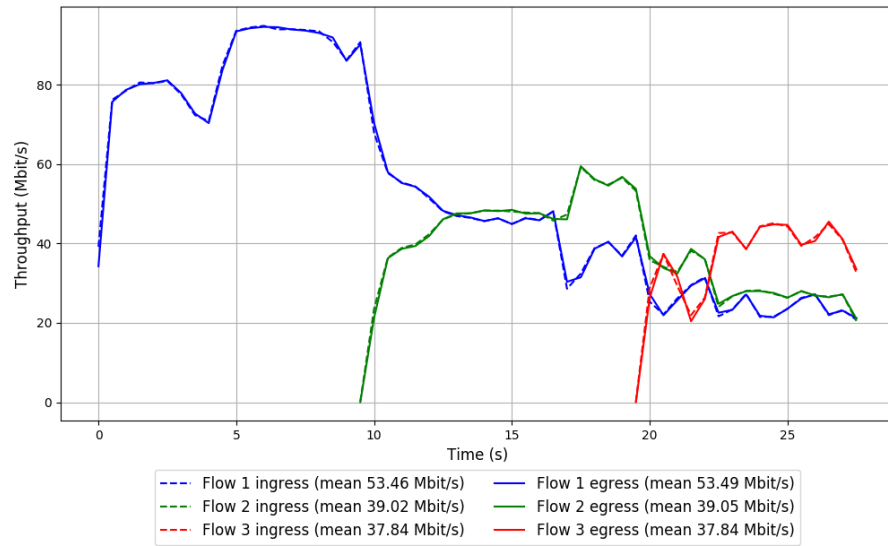


Run 10: Statistics of Copa

Start at: 2017-11-16 11:00:23
End at: 2017-11-16 11:00:53
Local clock offset: 0.973 ms
Remote clock offset: -19.649 ms

Below is generated by plot.py at 2017-11-16 14:52:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: 37.864 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 37.650 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 38.395 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 38.045 ms
Loss rate: 0.33%

Run 10: Report of Copa — Data Link

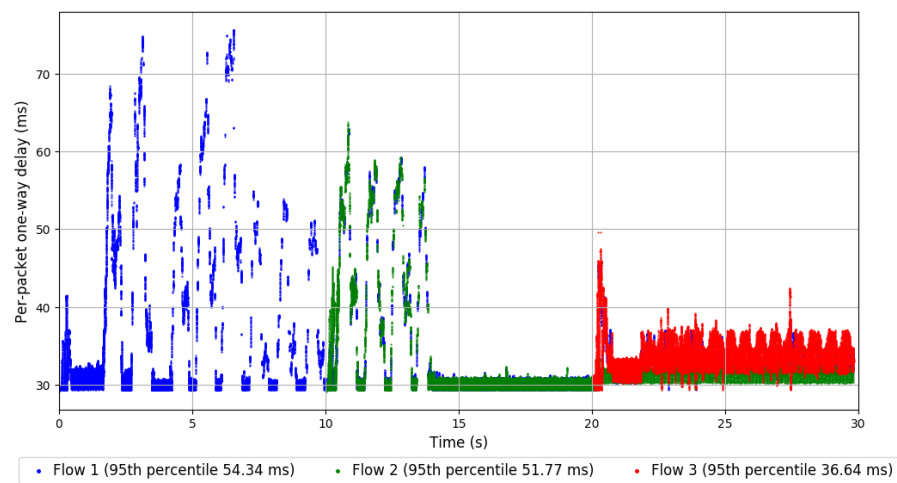
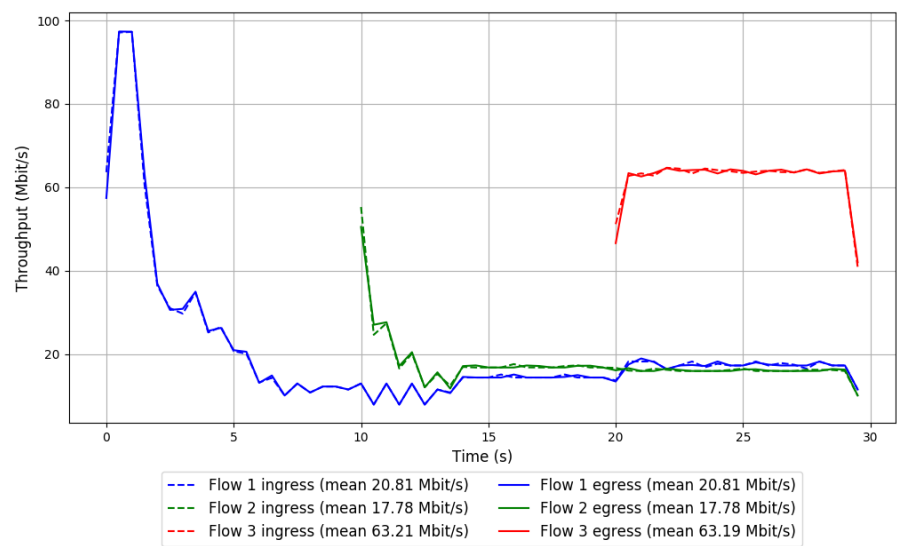


```
Run 1: Statistics of Indigo

Start at: 2017-11-16 07:28:08
End at: 2017-11-16 07:28:38
Local clock offset: 1.604 ms
Remote clock offset: -16.289 ms

# Below is generated by plot.py at 2017-11-16 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 48.064 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 17.78 Mbit/s
95th percentile per-packet one-way delay: 51.773 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 36.642 ms
Loss rate: 0.27%
```


Run 1: Report of Indigo — Data Link

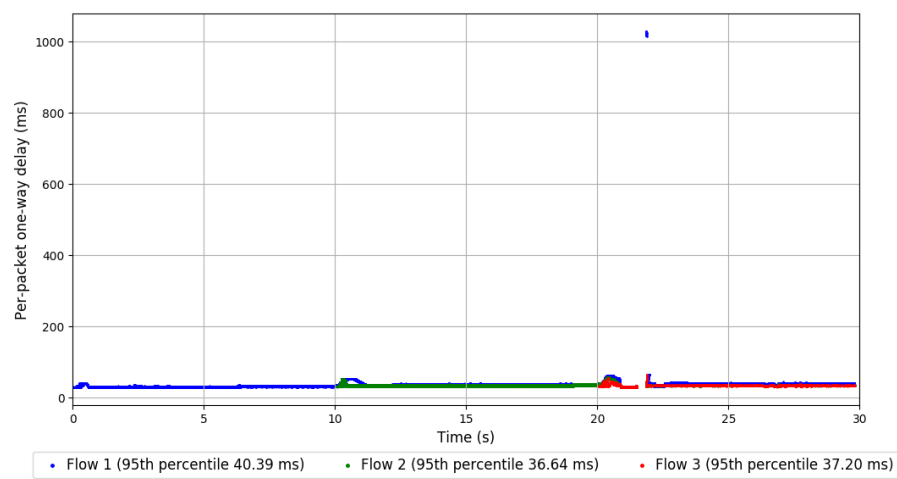
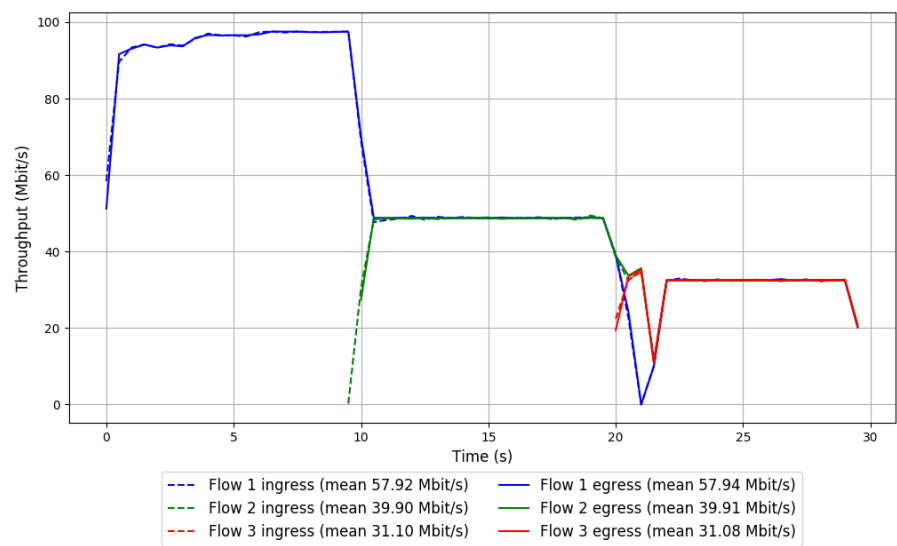


Run 2: Statistics of Indigo

Start at: 2017-11-16 07:48:16
End at: 2017-11-16 07:48:46
Local clock offset: -0.872 ms
Remote clock offset: -17.78 ms

Below is generated by plot.py at 2017-11-16 14:52:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 39.287 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.94 Mbit/s
95th percentile per-packet one-way delay: 40.391 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 36.640 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 37.200 ms
Loss rate: 0.45%

Run 2: Report of Indigo — Data Link

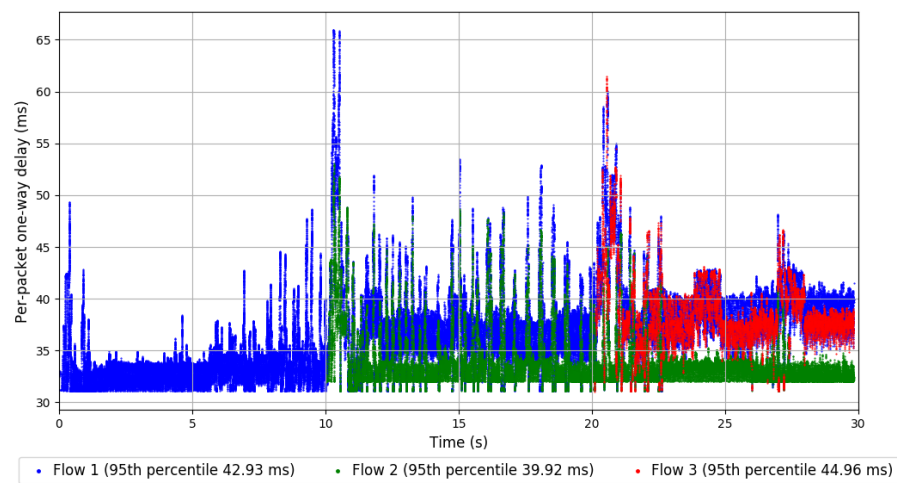
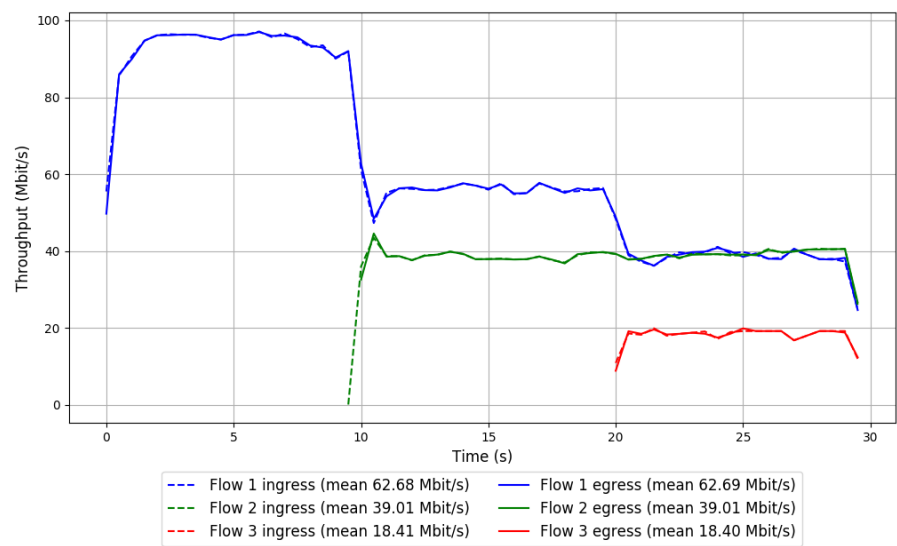


Run 3: Statistics of Indigo

Start at: 2017-11-16 08:11:36
End at: 2017-11-16 08:12:06
Local clock offset: -1.525 ms
Remote clock offset: -20.135 ms

Below is generated by plot.py at 2017-11-16 14:52:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 42.469 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 42.927 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 39.920 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 44.960 ms
Loss rate: 0.33%

Run 3: Report of Indigo — Data Link

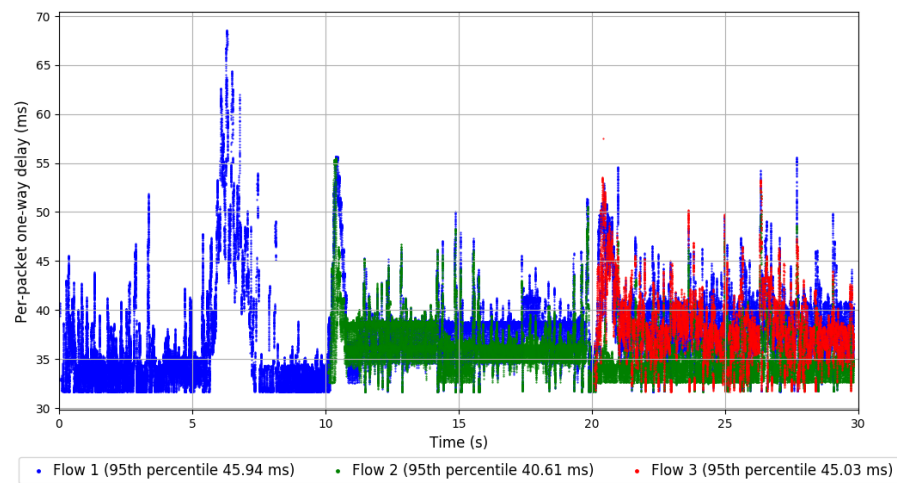
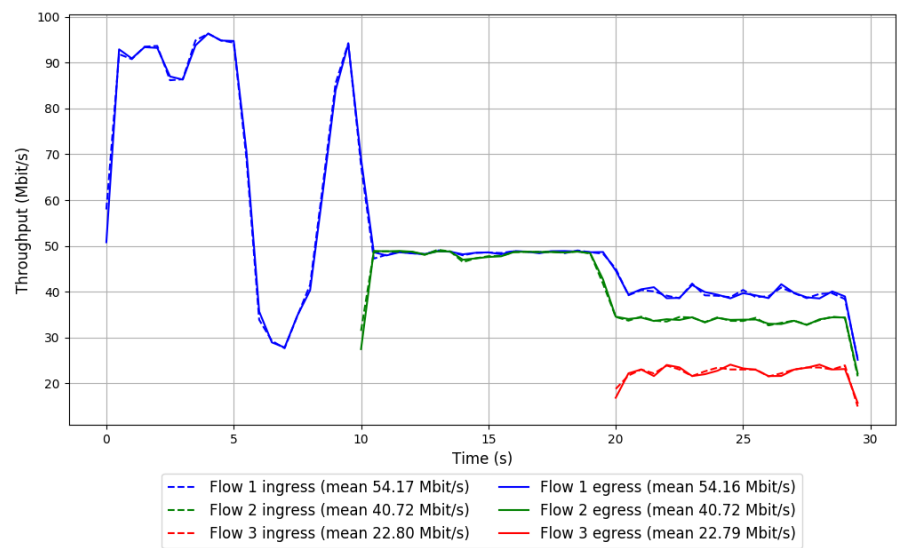


Run 4: Statistics of Indigo

Start at: 2017-11-16 08:40:02
End at: 2017-11-16 08:40:32
Local clock offset: 1.159 ms
Remote clock offset: -17.971 ms

Below is generated by plot.py at 2017-11-16 14:52:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 44.270 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 45.939 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 40.609 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 45.033 ms
Loss rate: 0.32%

Run 4: Report of Indigo — Data Link

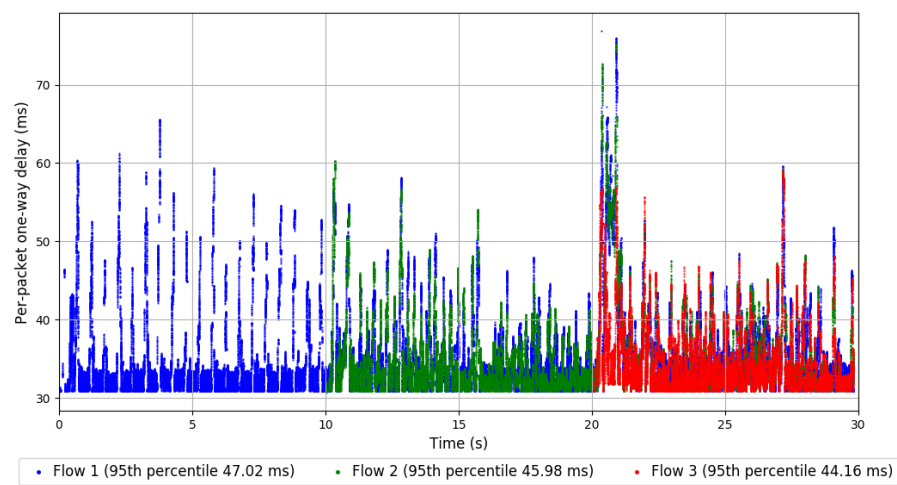
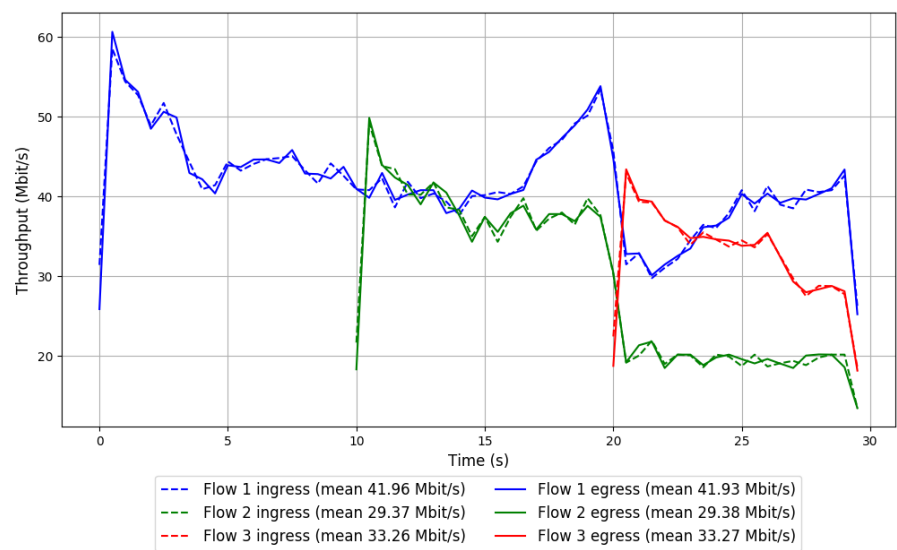


Run 5: Statistics of Indigo

Start at: 2017-11-16 09:09:54
End at: 2017-11-16 09:10:24
Local clock offset: 2.097 ms
Remote clock offset: -17.206 ms

Below is generated by plot.py at 2017-11-16 14:52:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 46.191 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 47.022 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 44.155 ms
Loss rate: 0.36%

Run 5: Report of Indigo — Data Link

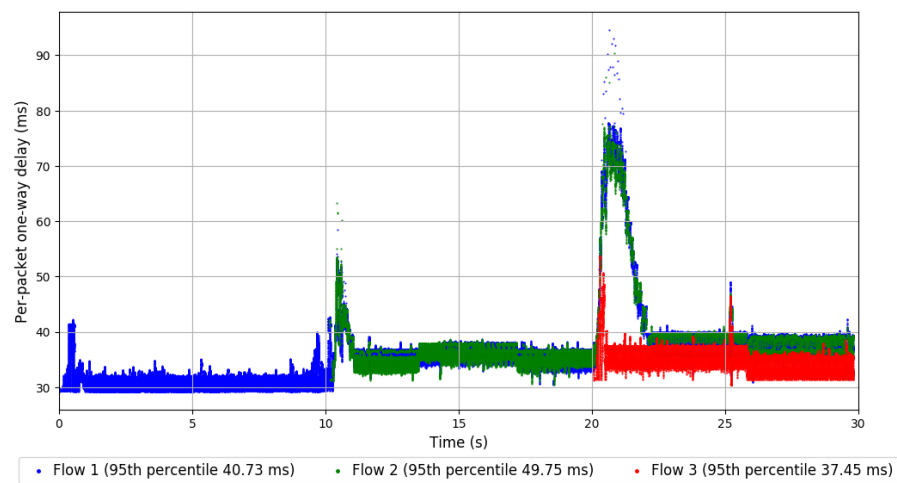
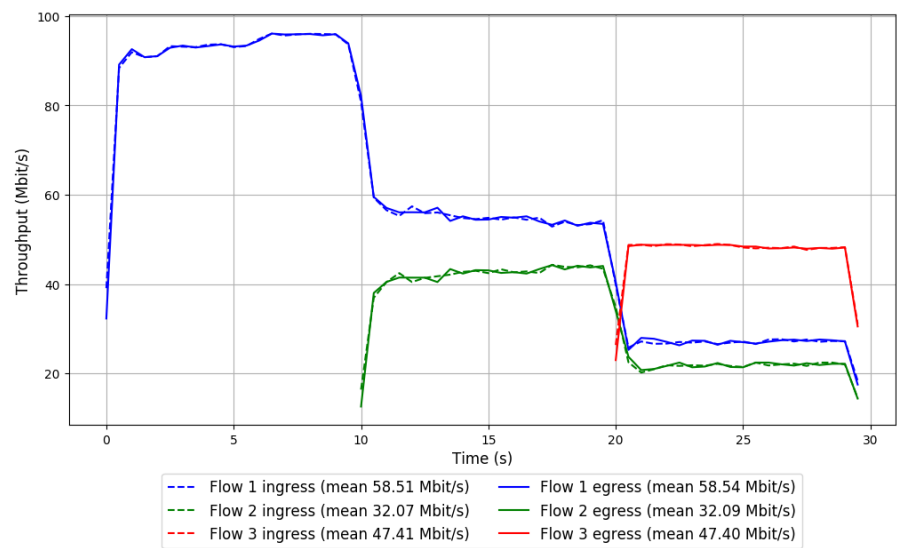


Run 6: Statistics of Indigo

Start at: 2017-11-16 09:34:41
End at: 2017-11-16 09:35:11
Local clock offset: 0.518 ms
Remote clock offset: -17.068 ms

Below is generated by plot.py at 2017-11-16 14:52:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 41.267 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 40.727 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 49.748 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 37.452 ms
Loss rate: 0.42%

Run 6: Report of Indigo — Data Link

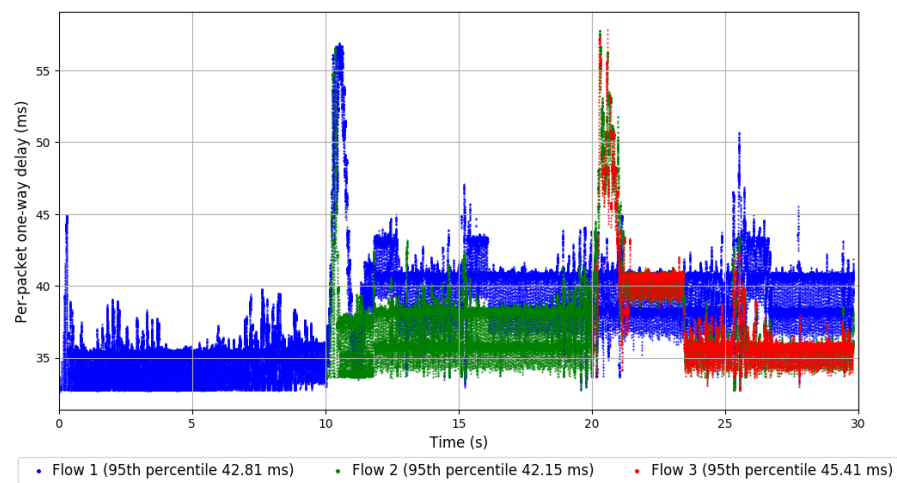
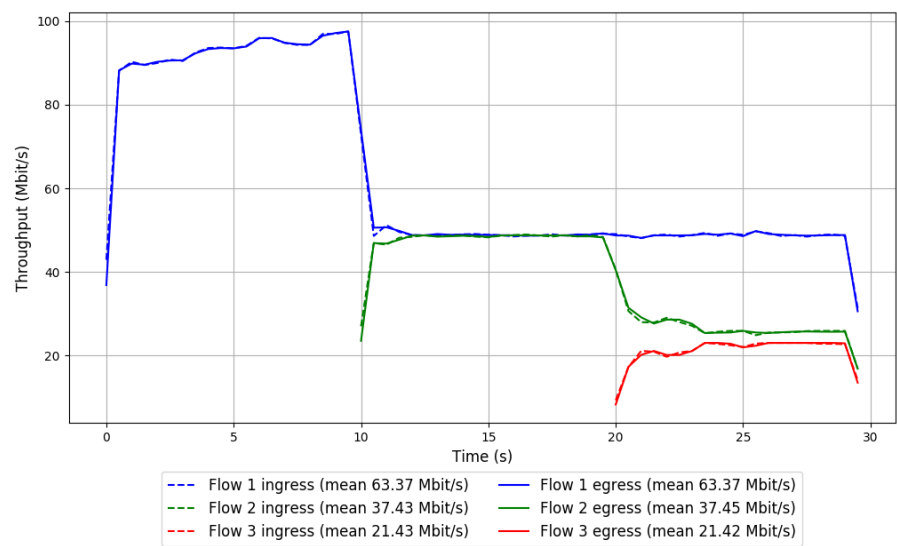


Run 7: Statistics of Indigo

Start at: 2017-11-16 09:53:44
End at: 2017-11-16 09:54:14
Local clock offset: 2.398 ms
Remote clock offset: -17.092 ms

Below is generated by plot.py at 2017-11-16 14:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 42.810 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 42.812 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 42.149 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 45.415 ms
Loss rate: 0.46%

Run 7: Report of Indigo — Data Link

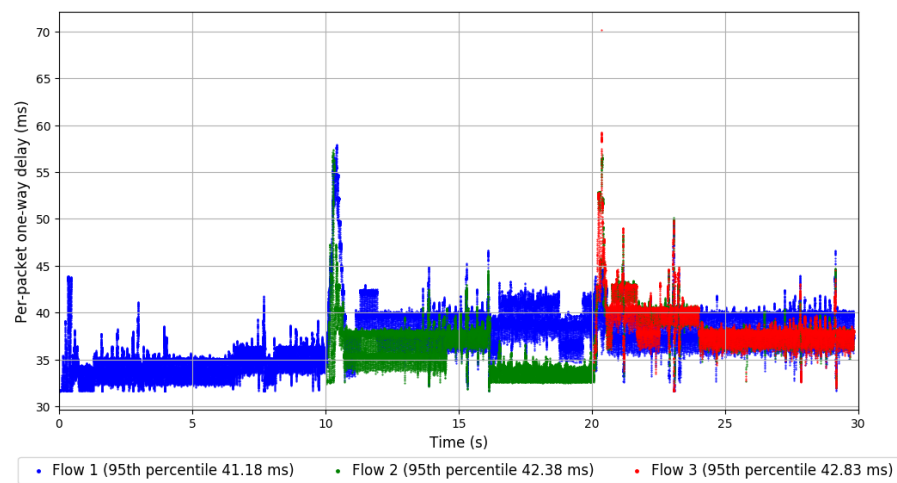
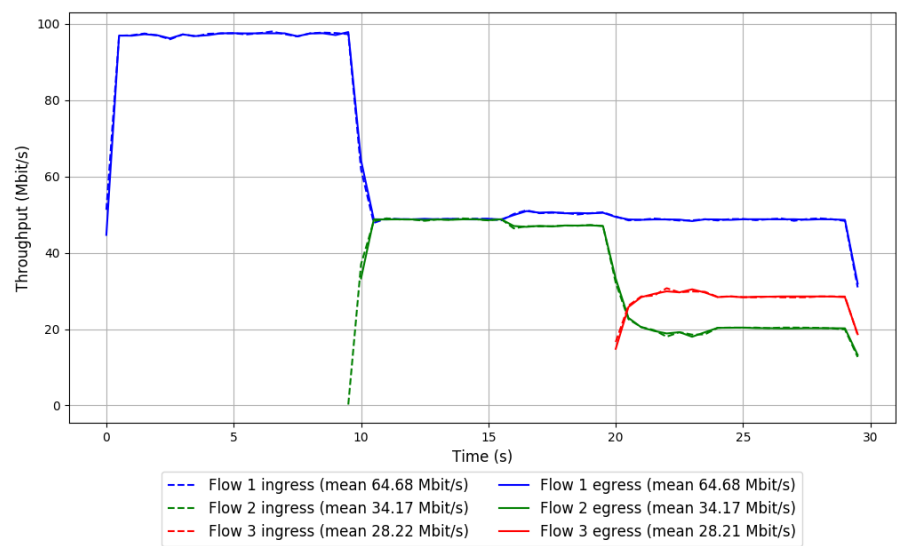


Run 8: Statistics of Indigo

Start at: 2017-11-16 10:16:19
End at: 2017-11-16 10:16:49
Local clock offset: 3.791 ms
Remote clock offset: -18.046 ms

Below is generated by plot.py at 2017-11-16 14:53:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 41.376 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 42.383 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 42.832 ms
Loss rate: 0.30%

Run 8: Report of Indigo — Data Link

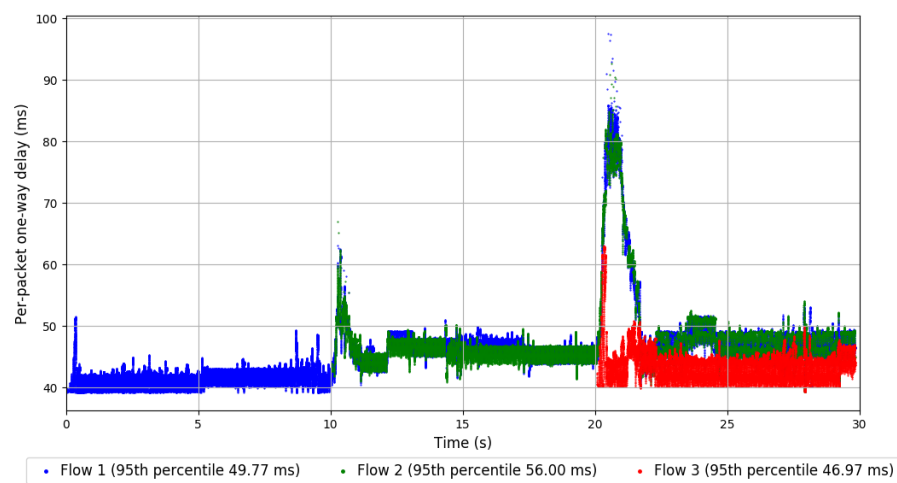
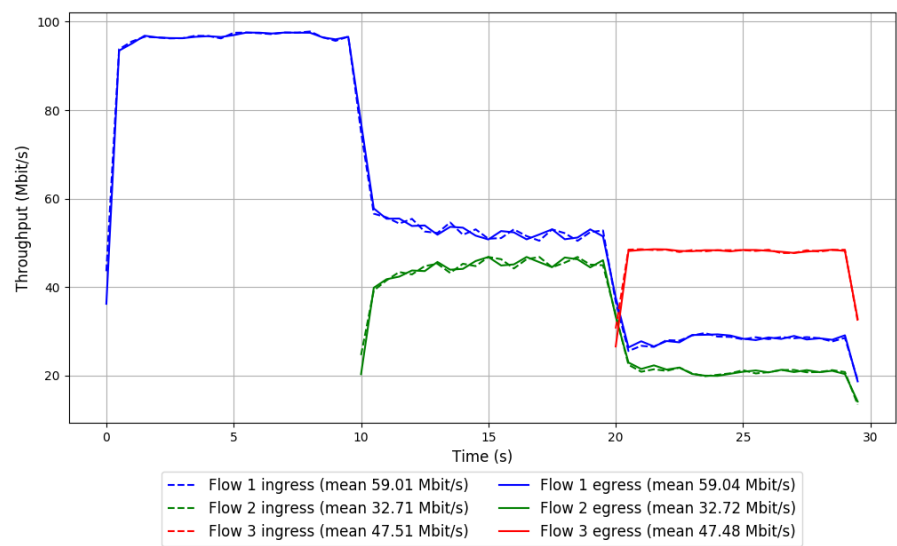


Run 9: Statistics of Indigo

Start at: 2017-11-16 10:36:02
End at: 2017-11-16 10:36:32
Local clock offset: 1.709 ms
Remote clock offset: -17.762 ms

Below is generated by plot.py at 2017-11-16 14:53:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 50.208 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 49.769 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 55.997 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 46.970 ms
Loss rate: 0.41%

Run 9: Report of Indigo — Data Link

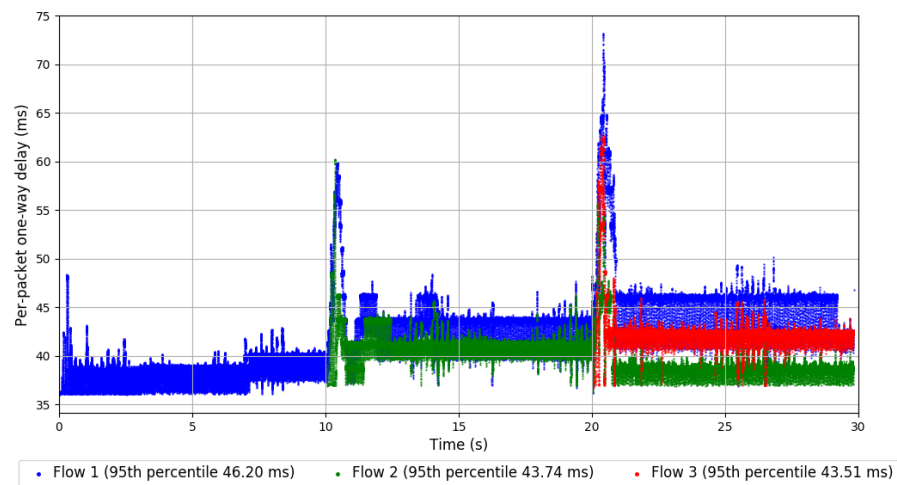
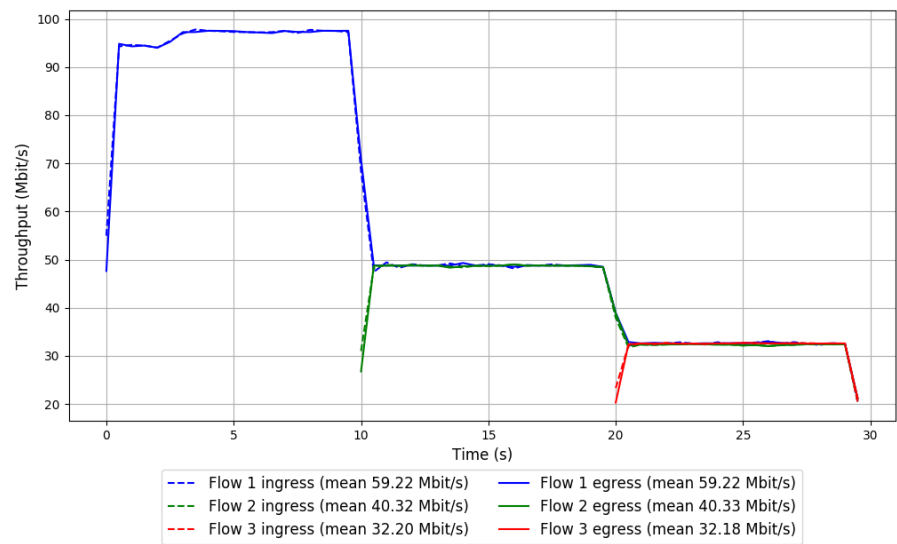


Run 10: Statistics of Indigo

Start at: 2017-11-16 10:55:08
End at: 2017-11-16 10:55:38
Local clock offset: 3.071 ms
Remote clock offset: -19.207 ms

Below is generated by plot.py at 2017-11-16 14:53:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 46.196 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 43.738 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 43.512 ms
Loss rate: 0.32%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Indigo-calib

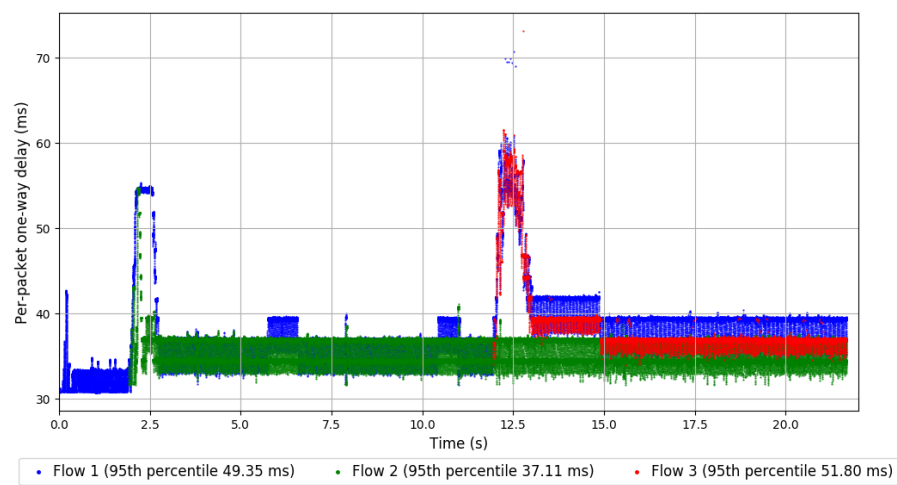
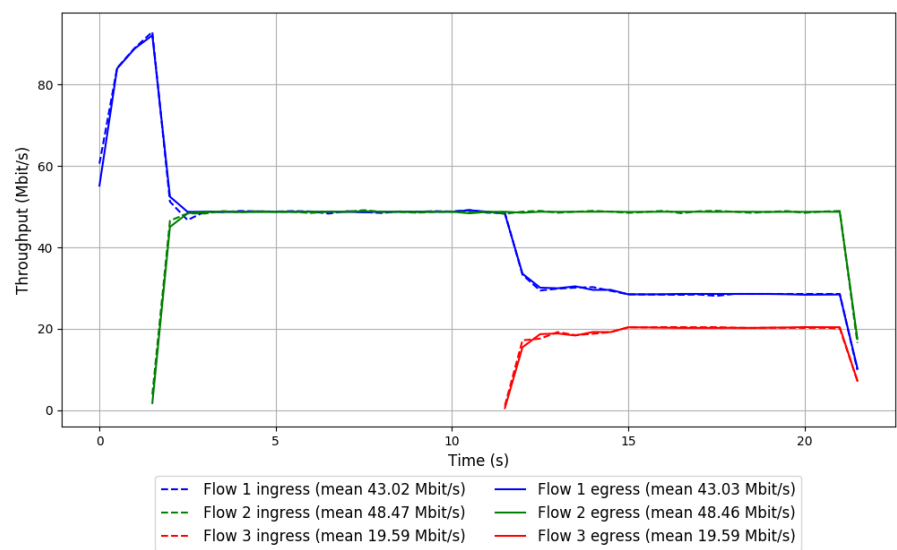
Start at: 2017-11-16 07:35:20

End at: 2017-11-16 07:35:50

Local clock offset: -3.805 ms

Remote clock offset: -22.899 ms

Run 1: Report of Indigo-calib — Data Link

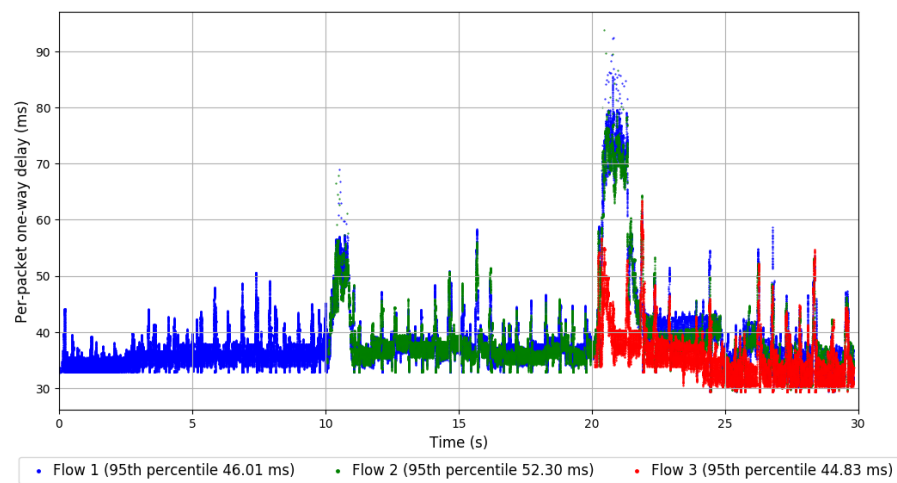
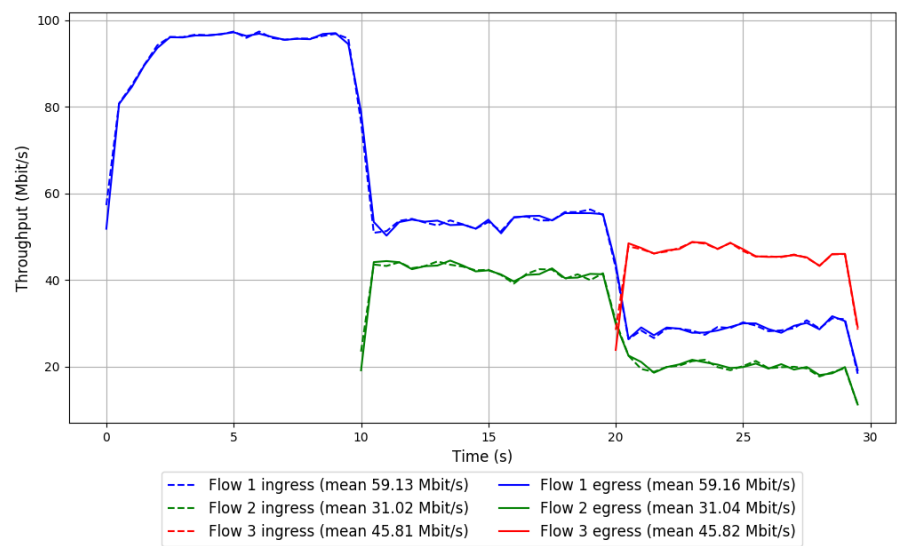


Run 2: Statistics of Indigo-calib

Start at: 2017-11-16 07:56:13
End at: 2017-11-16 07:56:43
Local clock offset: -0.857 ms
Remote clock offset: -19.017 ms

Below is generated by plot.py at 2017-11-16 14:54:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 47.875 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 46.008 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 52.299 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 44.829 ms
Loss rate: 0.26%

Run 2: Report of Indigo-calib — Data Link

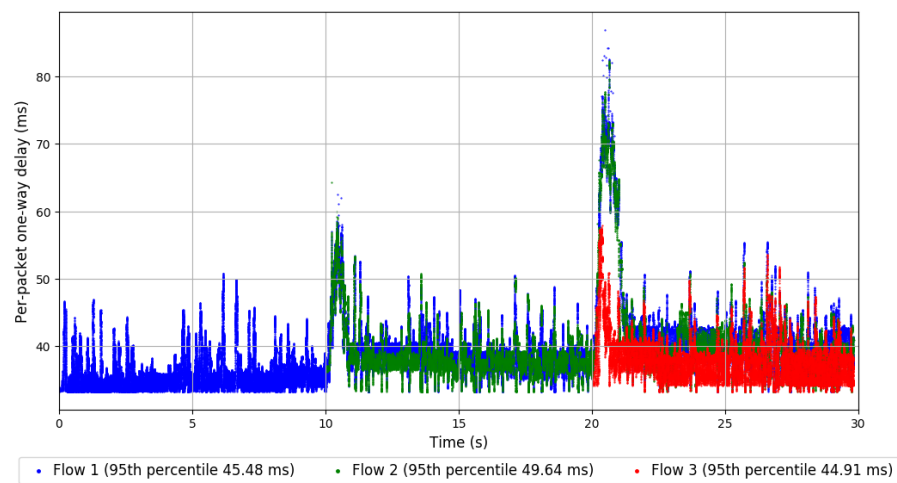
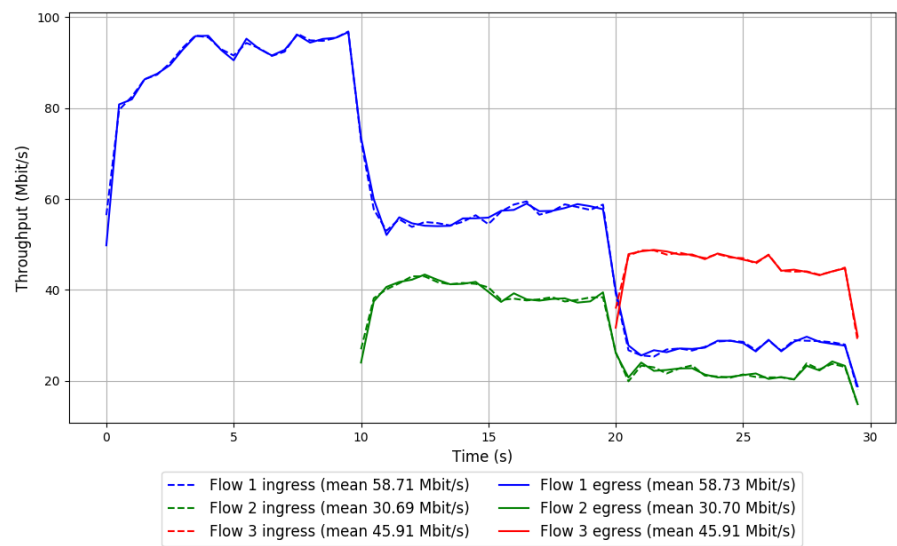


Run 3: Statistics of Indigo-calib

Start at: 2017-11-16 08:22:07
End at: 2017-11-16 08:22:37
Local clock offset: 0.609 ms
Remote clock offset: -20.592 ms

Below is generated by plot.py at 2017-11-16 14:54:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 46.216 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 45.477 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 49.644 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 44.914 ms
Loss rate: 0.26%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

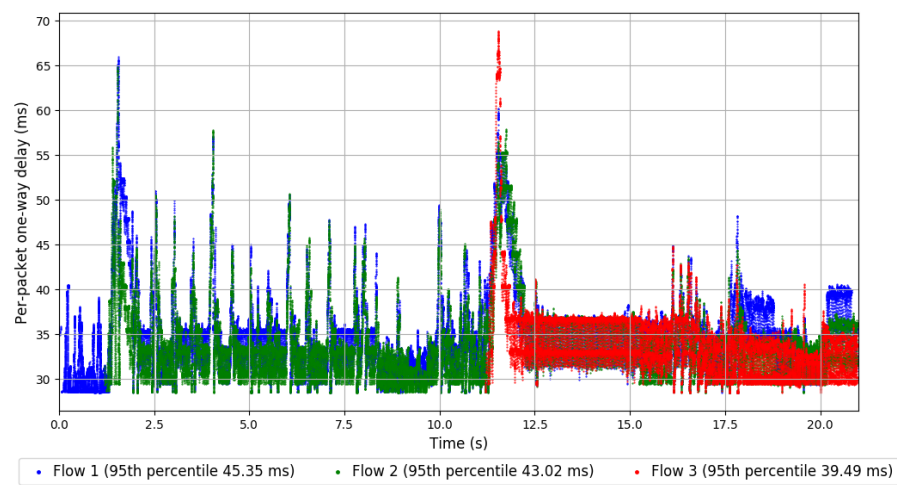
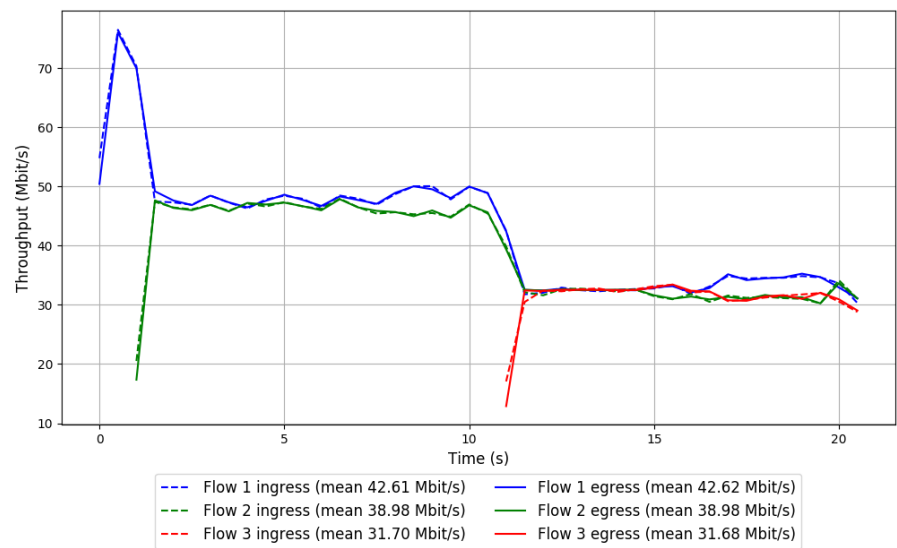
Start at: 2017-11-16 08:50:21

End at: 2017-11-16 08:50:51

Local clock offset: -2.336 ms

Remote clock offset: -17.935 ms

Run 4: Report of Indigo-calib — Data Link

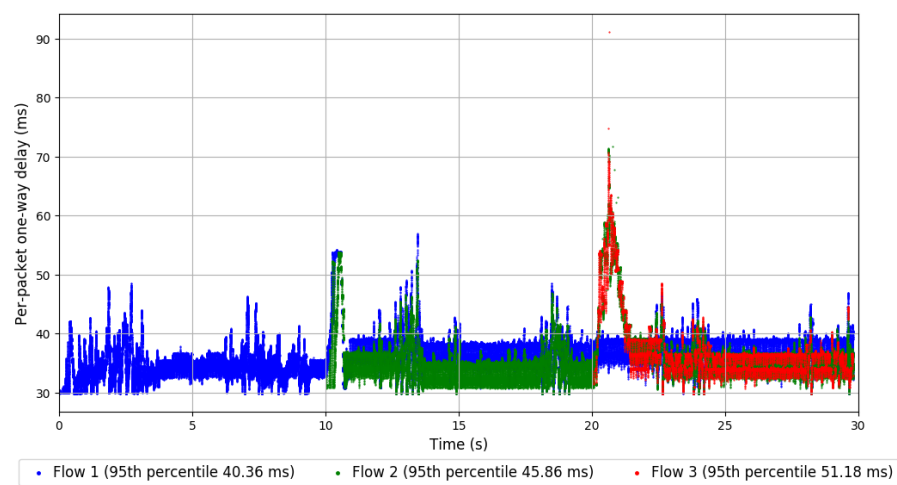
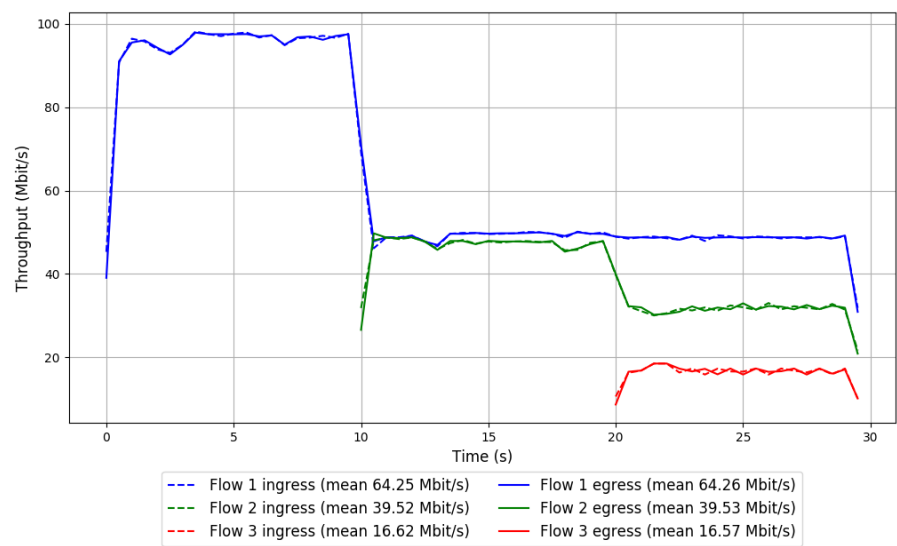


Run 5: Statistics of Indigo-calib

Start at: 2017-11-16 09:20:20
End at: 2017-11-16 09:20:50
Local clock offset: 1.56 ms
Remote clock offset: -17.182 ms

Below is generated by plot.py at 2017-11-16 14:54:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 41.724 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 40.359 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 45.856 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 51.180 ms
Loss rate: 0.44%

Run 5: Report of Indigo-calib — Data Link

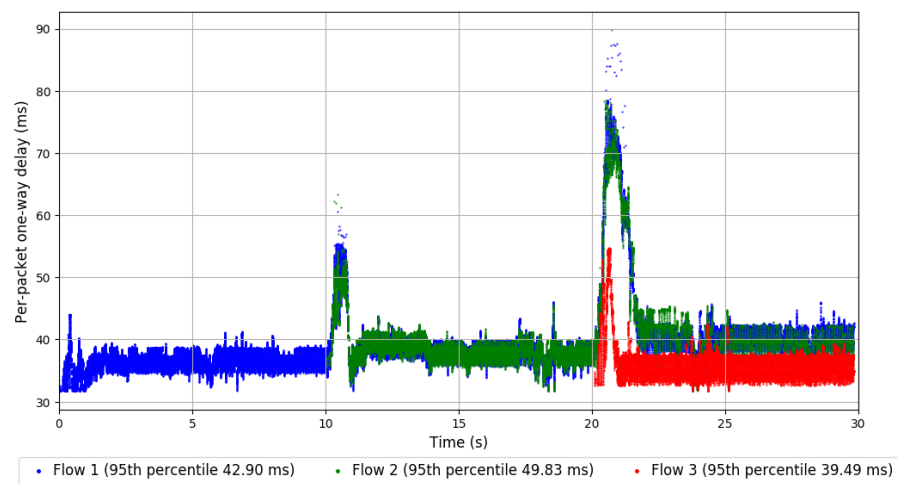
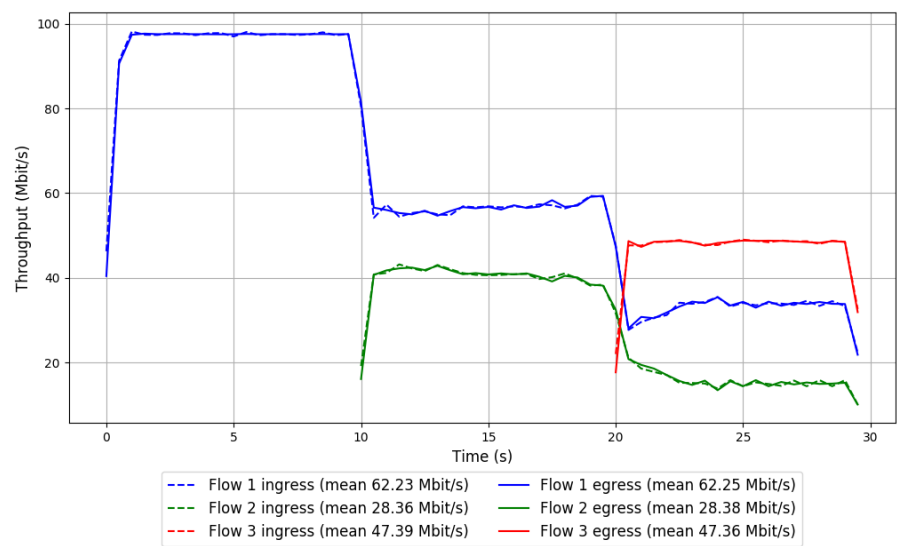


Run 6: Statistics of Indigo-calib

Start at: 2017-11-16 09:41:36
End at: 2017-11-16 09:42:06
Local clock offset: 1.671 ms
Remote clock offset: -16.779 ms

Below is generated by plot.py at 2017-11-16 14:54:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 43.967 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 42.898 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 49.826 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.36 Mbit/s
95th percentile per-packet one-way delay: 39.491 ms
Loss rate: 0.45%

Run 6: Report of Indigo-calib — Data Link

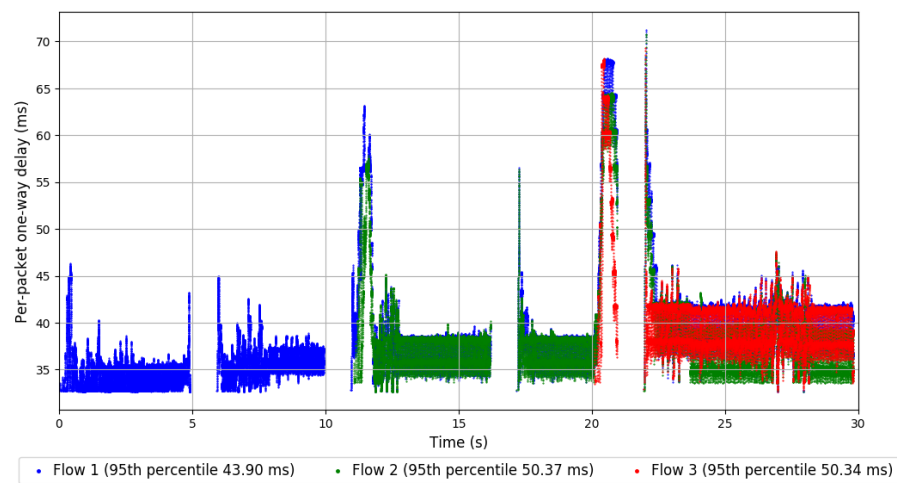
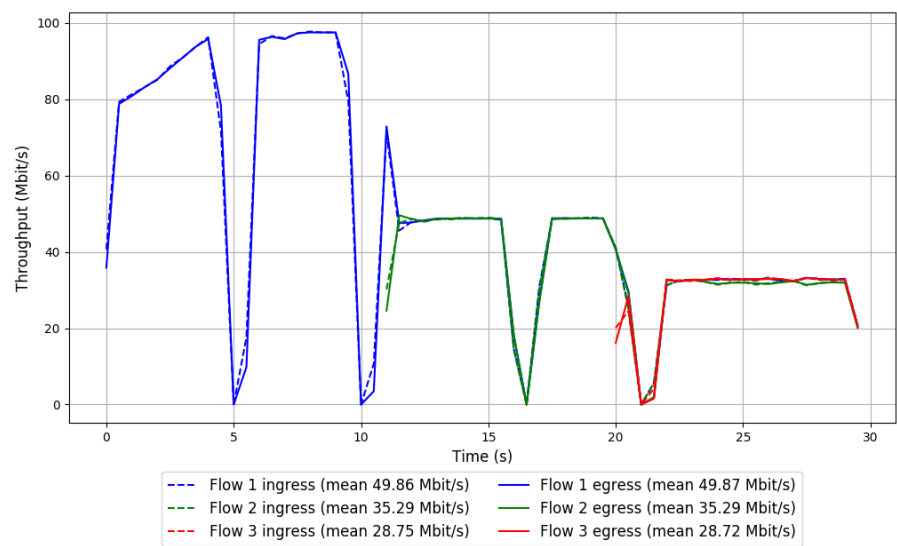


Run 7: Statistics of Indigo-calib

Start at: 2017-11-16 10:01:23
End at: 2017-11-16 10:01:53
Local clock offset: 1.239 ms
Remote clock offset: -18.599 ms

Below is generated by plot.py at 2017-11-16 14:54:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.47 Mbit/s
95th percentile per-packet one-way delay: 45.733 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 43.898 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 50.345 ms
Loss rate: 0.51%

Run 7: Report of Indigo-calib — Data Link

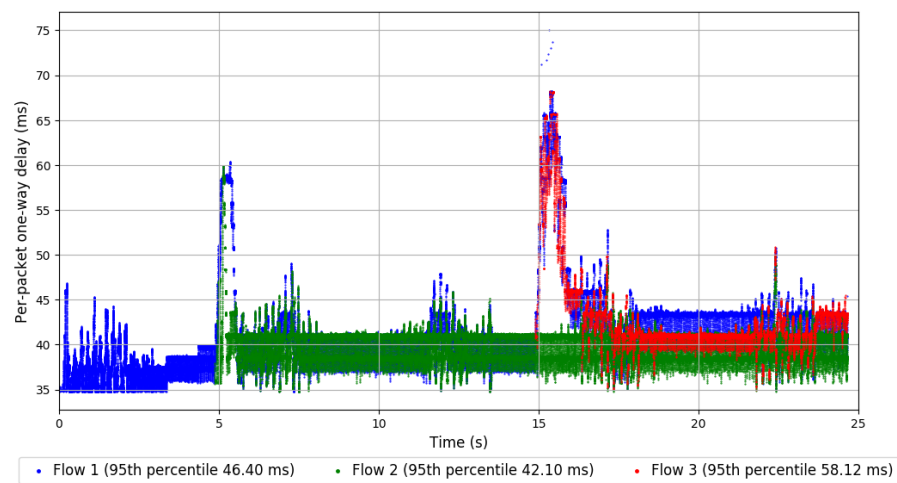
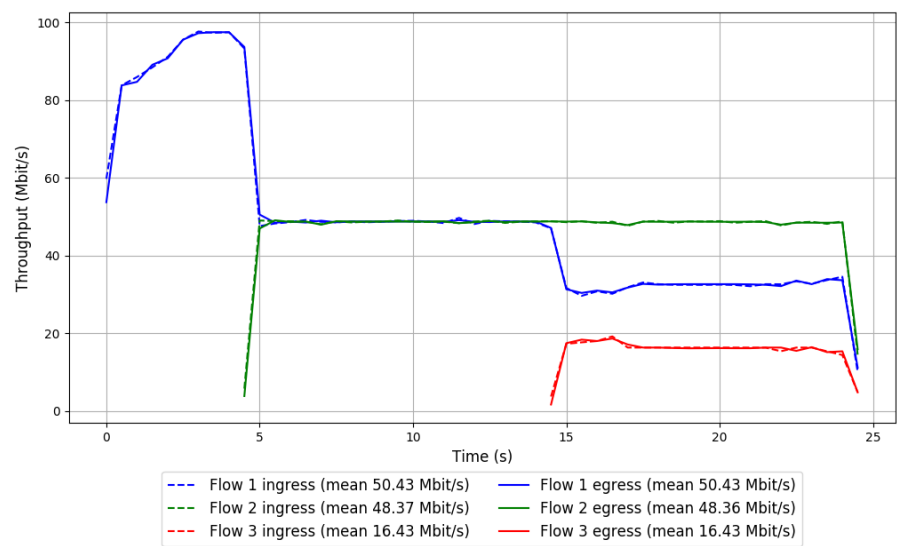


Run 8: Statistics of Indigo-calib

Start at: 2017-11-16 10:23:27
End at: 2017-11-16 10:23:57
Local clock offset: 4.643 ms
Remote clock offset: -19.967 ms

Below is generated by plot.py at 2017-11-16 14:54:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 45.222 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 46.401 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 42.101 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 58.115 ms
Loss rate: 0.30%

Run 8: Report of Indigo-calib — Data Link

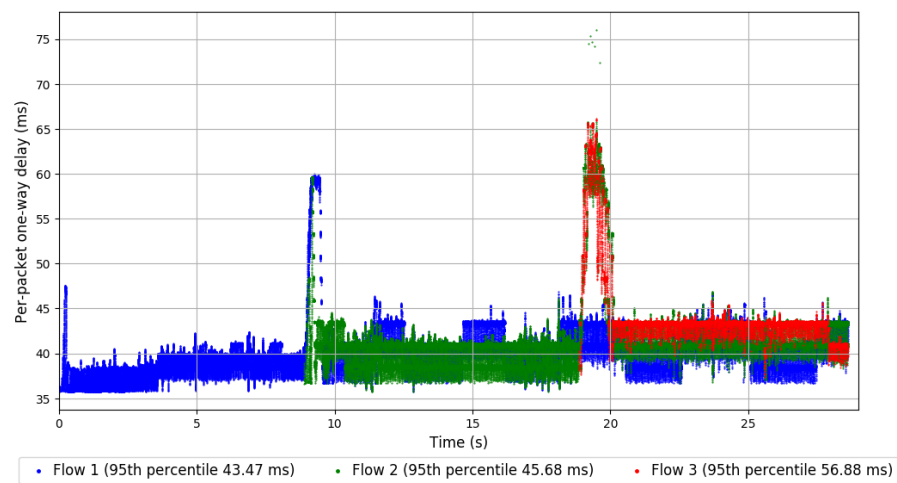
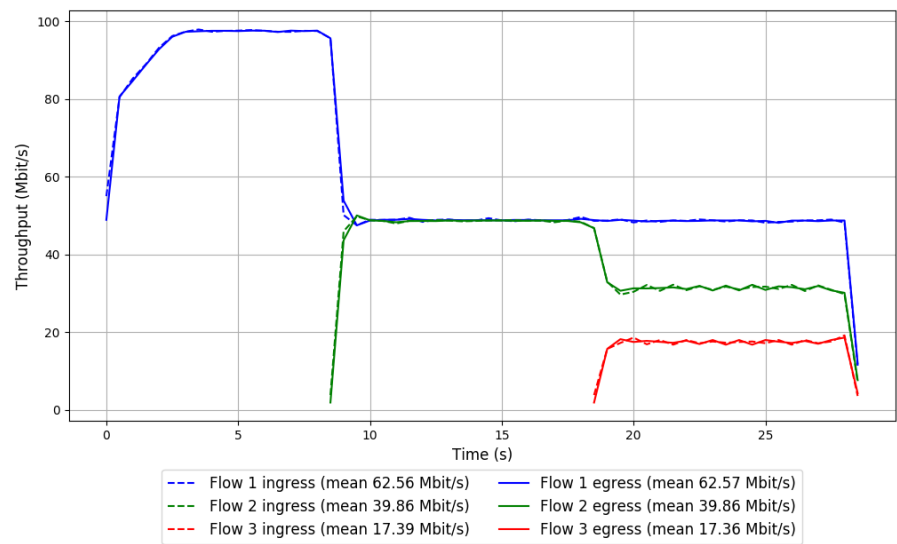


Run 9: Statistics of Indigo-calib

Start at: 2017-11-16 10:42:50
End at: 2017-11-16 10:43:20
Local clock offset: 3.114 ms
Remote clock offset: -18.294 ms

Below is generated by plot.py at 2017-11-16 14:54:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 43.580 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 62.57 Mbit/s
95th percentile per-packet one-way delay: 43.465 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 56.878 ms
Loss rate: 0.31%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-16 11:01:59
End at: 2017-11-16 11:02:29
Local clock offset: 4.934 ms
Remote clock offset: -18.085 ms

Below is generated by plot.py at 2017-11-16 14:54:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 46.943 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 46.739 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 53.012 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 43.533 ms
Loss rate: 0.33%

Run 10: Report of Indigo-calib — Data Link

