

Pantheon Report

Generated at 2018-01-17 07:08:18 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

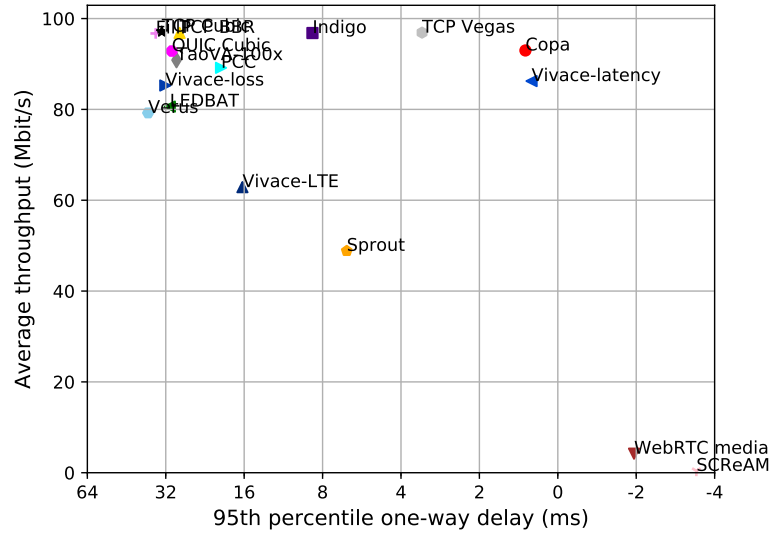
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

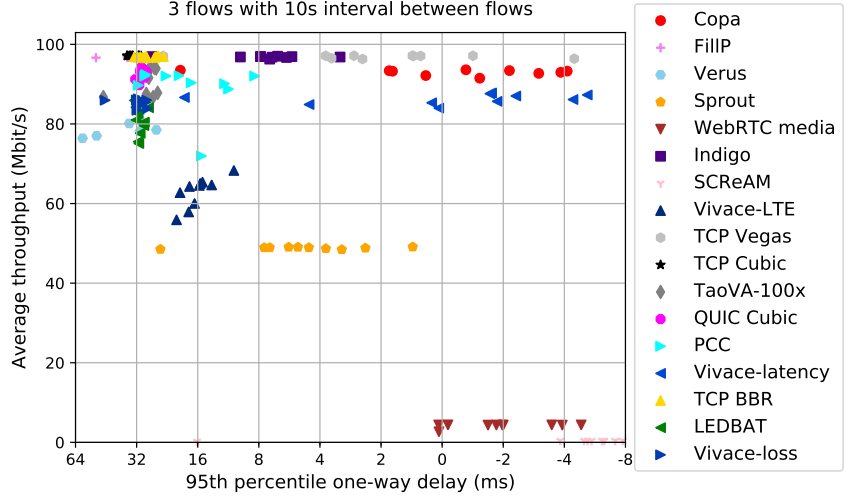
Git summary:

```
branch: master @ 386976fcf771de1359acd909bfbb98a156d79009
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



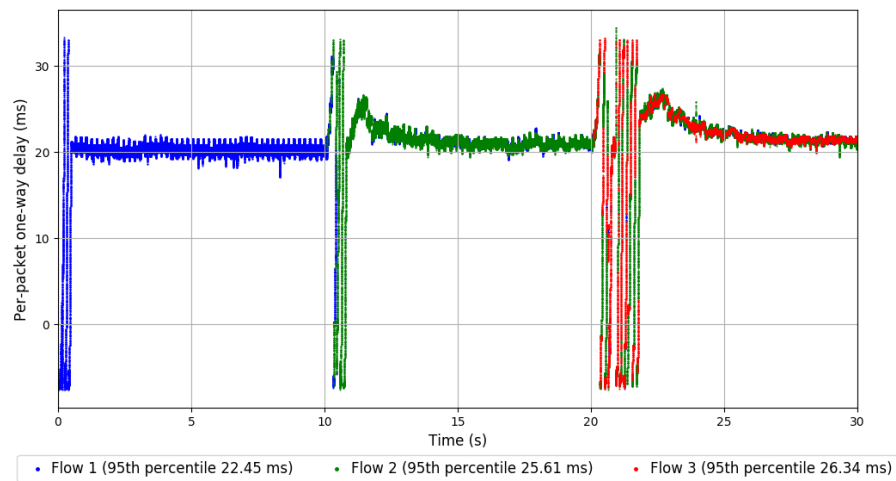
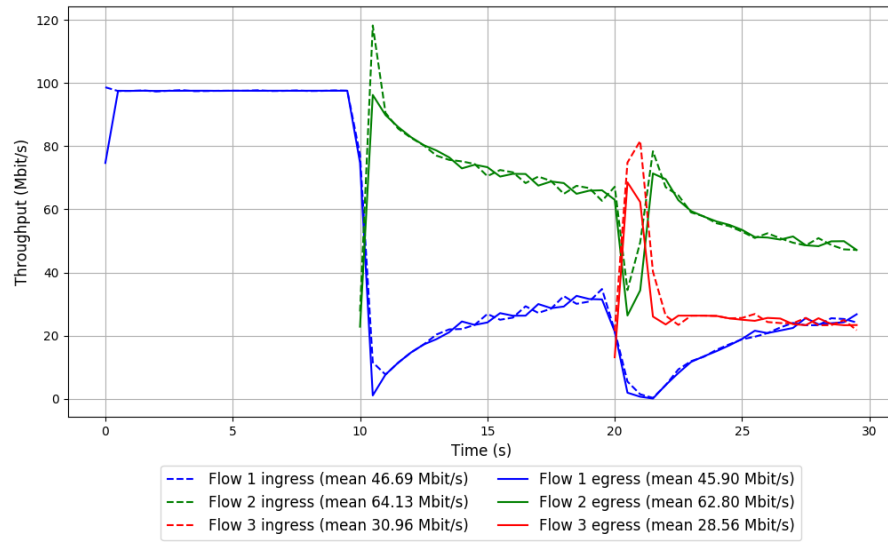
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	48.85	53.57	37.62	25.77	28.93	30.38	3.66	6.60	14.66
TCP Cubic	10	68.16	32.17	22.84	33.02	33.26	33.55	0.95	0.85	0.64
LEDBAT	10	51.24	32.90	23.20	30.44	31.42	31.46	0.42	0.61	0.92
PCC	10	77.17	13.81	8.50	19.43	20.68	17.44	1.23	1.21	0.49
QUIC Cubic	10	64.91	31.09	21.95	30.25	30.44	30.42	1.74	2.21	2.29
SCReAM	9	0.19	0.21	0.22	-3.49	-3.39	-3.43	0.00	0.00	0.00
WebRTC media	10	2.20	1.44	0.56	-2.18	-2.09	-0.96	0.01	0.00	0.03
Sprout	10	24.59	24.47	24.20	6.13	6.63	6.58	0.00	0.01	0.00
TaoVA-100x	10	57.36	38.94	31.70	26.74	30.09	32.40	5.94	12.46	19.16
TCP Vegas	10	57.52	40.38	37.64	4.71	0.06	-1.28	0.16	0.00	0.00
Verus	7	50.43	36.77	14.79	33.56	39.98	32.46	29.90	45.71	34.79
Copa	10	59.58	38.86	29.76	0.54	1.09	1.23	0.00	0.00	0.00
FillP	10	53.03	40.51	51.09	34.71	35.32	35.18	28.48	33.23	36.71
Indigo	10	58.45	38.63	38.74	7.31	10.54	13.89	0.00	0.00	0.00
Vivace-latency	10	58.33	32.30	19.52	-0.12	1.53	3.53	0.02	0.04	0.16
Vivace-loss	10	57.97	30.03	22.40	31.94	32.28	32.22	13.61	13.95	14.42
Vivace-LTE	10	44.32	22.11	11.82	14.38	17.72	22.45	0.74	0.26	0.65

Run 1: Statistics of TCP BBR

Start at: 2018-01-17 02:38:29
End at: 2018-01-17 02:38:59
Local clock offset: 0.047 ms
Remote clock offset: -17.048 ms

Below is generated by plot.py at 2018-01-17 06:38:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 25.040 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 25.613 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 26.340 ms
Loss rate: 7.77%

Run 1: Report of TCP BBR — Data Link

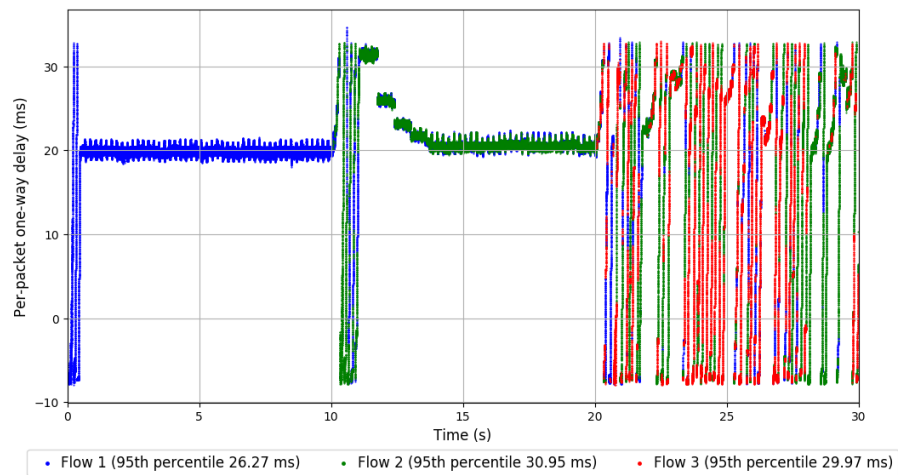
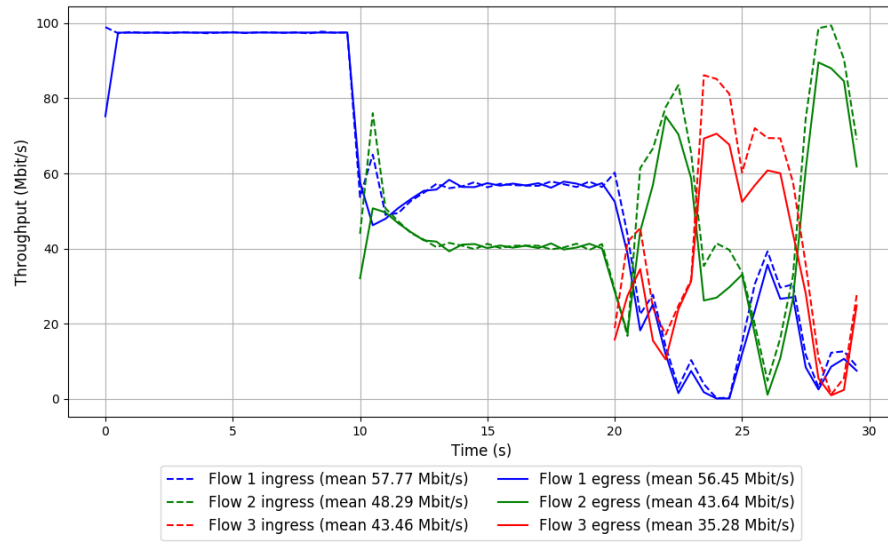


Run 2: Statistics of TCP BBR

Start at: 2018-01-17 03:00:30
End at: 2018-01-17 03:01:00
Local clock offset: 1.538 ms
Remote clock offset: -16.079 ms

Below is generated by plot.py at 2018-01-17 06:38:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 29.748 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 26.266 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 30.946 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 29.966 ms
Loss rate: 18.94%

Run 2: Report of TCP BBR — Data Link

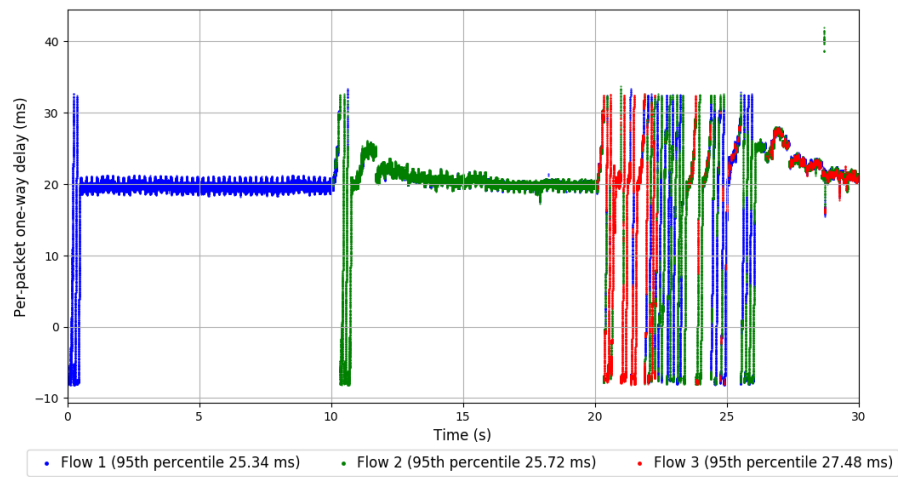
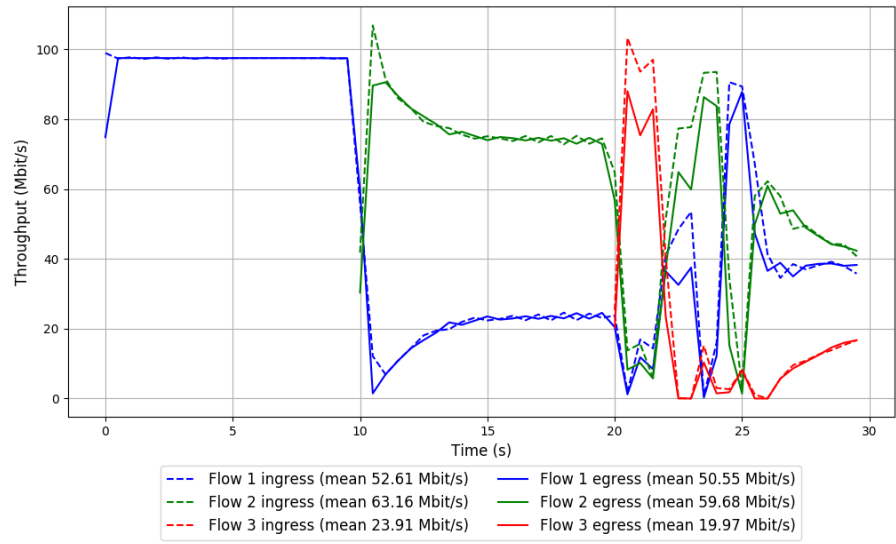


Run 3: Statistics of TCP BBR

Start at: 2018-01-17 03:22:01
End at: 2018-01-17 03:22:31
Local clock offset: 1.077 ms
Remote clock offset: -17.531 ms

Below is generated by plot.py at 2018-01-17 06:38:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 25.676 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 25.336 ms
Loss rate: 3.82%
-- Flow 2:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 25.720 ms
Loss rate: 5.51%
-- Flow 3:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 27.480 ms
Loss rate: 16.49%

Run 3: Report of TCP BBR — Data Link

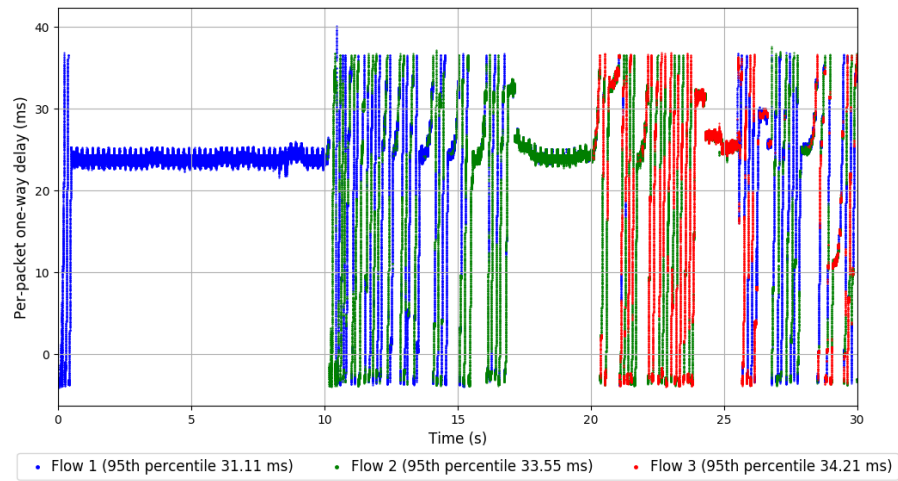
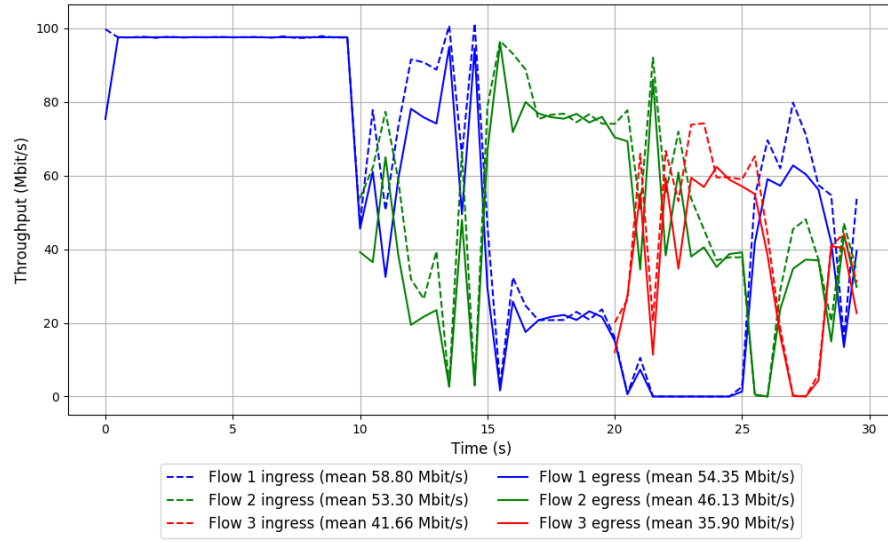


Run 4: Statistics of TCP BBR

Start at: 2018-01-17 03:43:47
End at: 2018-01-17 03:44:17
Local clock offset: 0.209 ms
Remote clock offset: -16.199 ms

Below is generated by plot.py at 2018-01-17 06:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 32.857 ms
Loss rate: 10.41%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 33.545 ms
Loss rate: 13.57%
-- Flow 3:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 34.209 ms
Loss rate: 14.03%

Run 4: Report of TCP BBR — Data Link

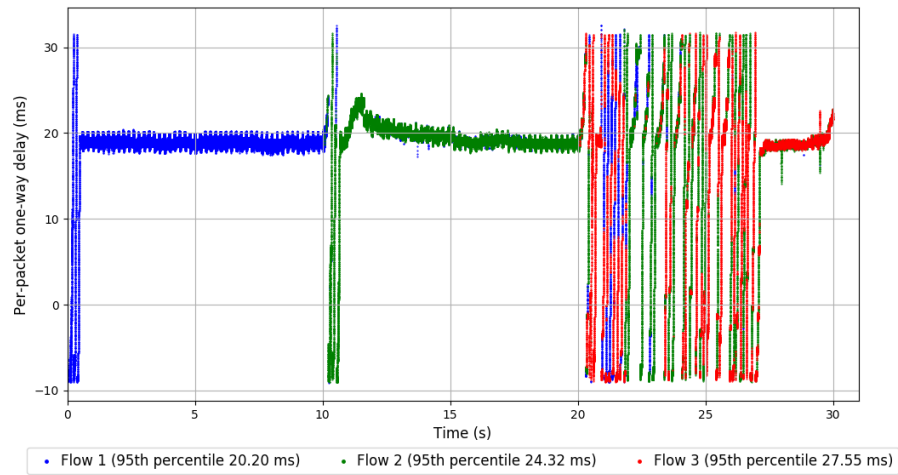
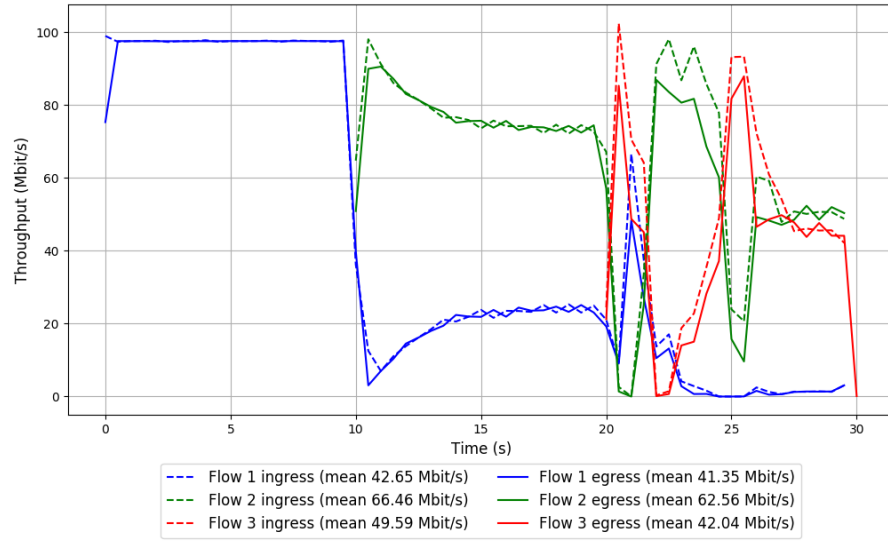


Run 5: Statistics of TCP BBR

Start at: 2018-01-17 04:05:31
End at: 2018-01-17 04:06:01
Local clock offset: 2.228 ms
Remote clock offset: -20.343 ms

Below is generated by plot.py at 2018-01-17 06:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 23.605 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 41.35 Mbit/s
95th percentile per-packet one-way delay: 20.199 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 62.56 Mbit/s
95th percentile per-packet one-way delay: 24.317 ms
Loss rate: 5.85%
-- Flow 3:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 27.545 ms
Loss rate: 15.19%

Run 5: Report of TCP BBR — Data Link

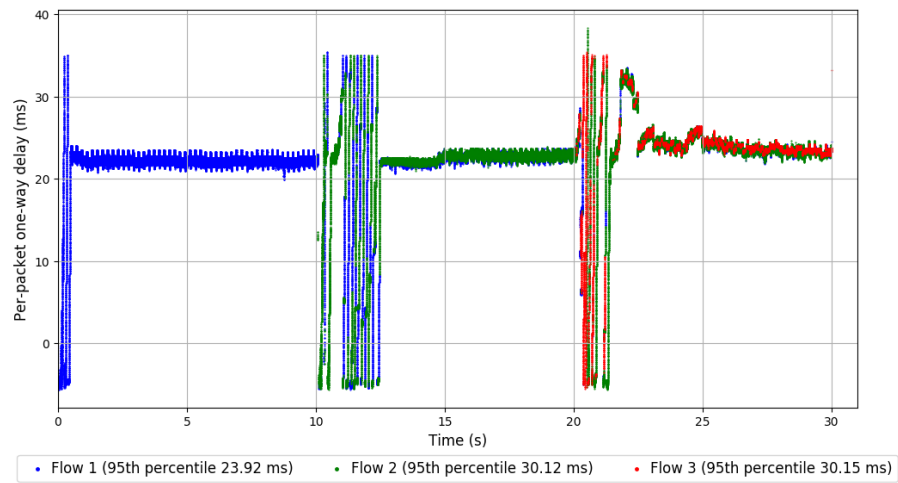
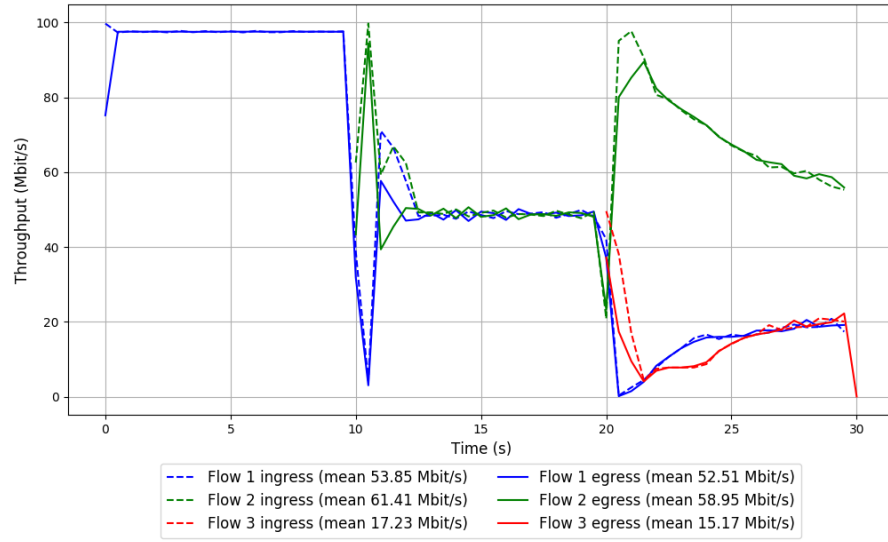


Run 6: Statistics of TCP BBR

Start at: 2018-01-17 04:27:20
End at: 2018-01-17 04:27:50
Local clock offset: -0.311 ms
Remote clock offset: -20.653 ms

Below is generated by plot.py at 2018-01-17 06:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 26.116 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 23.917 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 30.117 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 30.151 ms
Loss rate: 11.87%

Run 6: Report of TCP BBR — Data Link

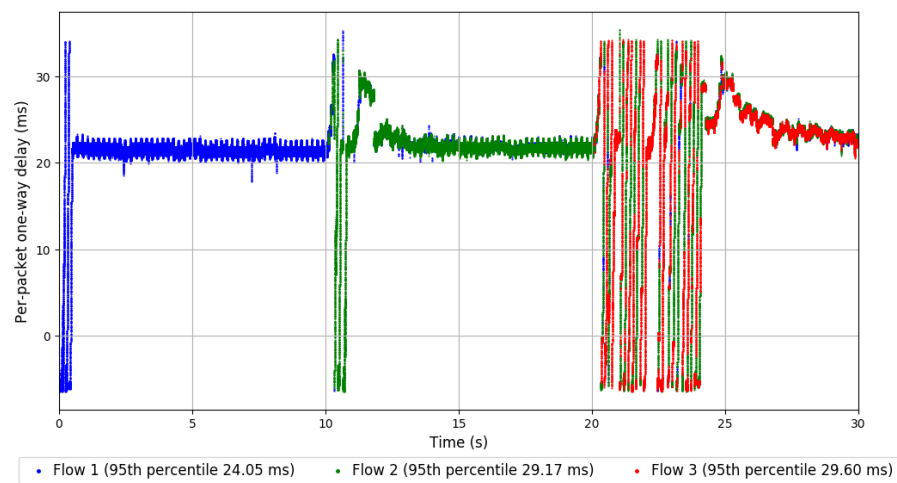
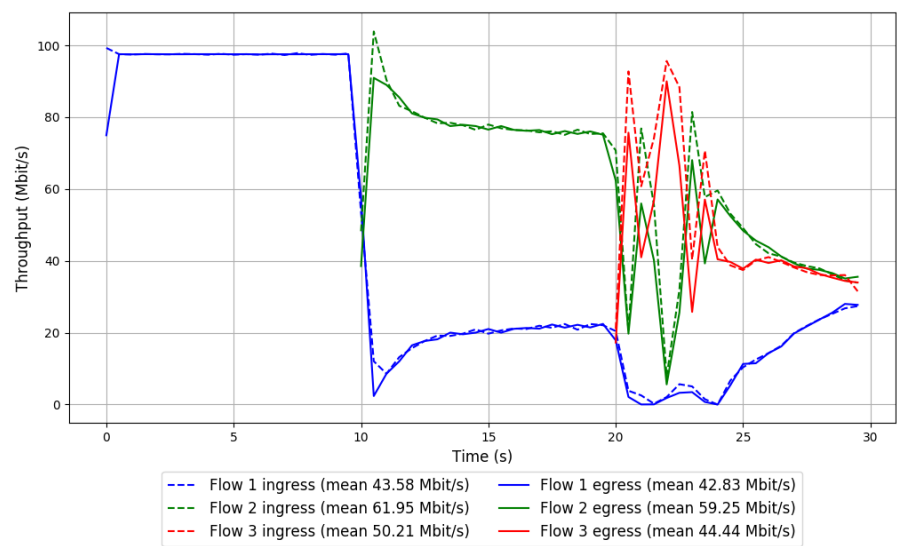


Run 7: Statistics of TCP BBR

Start at: 2018-01-17 04:48:53
End at: 2018-01-17 04:49:23
Local clock offset: 0.025 ms
Remote clock offset: -19.994 ms

Below is generated by plot.py at 2018-01-17 06:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 28.684 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 24.047 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 29.170 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 29.597 ms
Loss rate: 11.49%

Run 7: Report of TCP BBR — Data Link

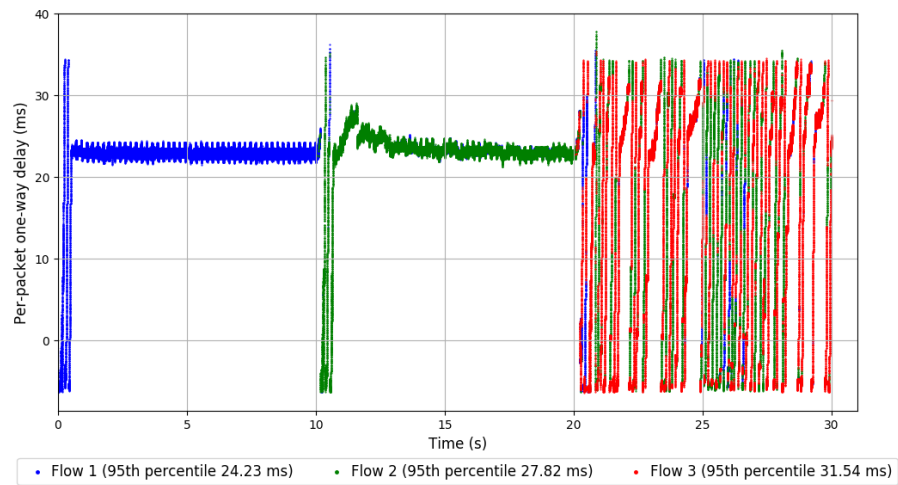
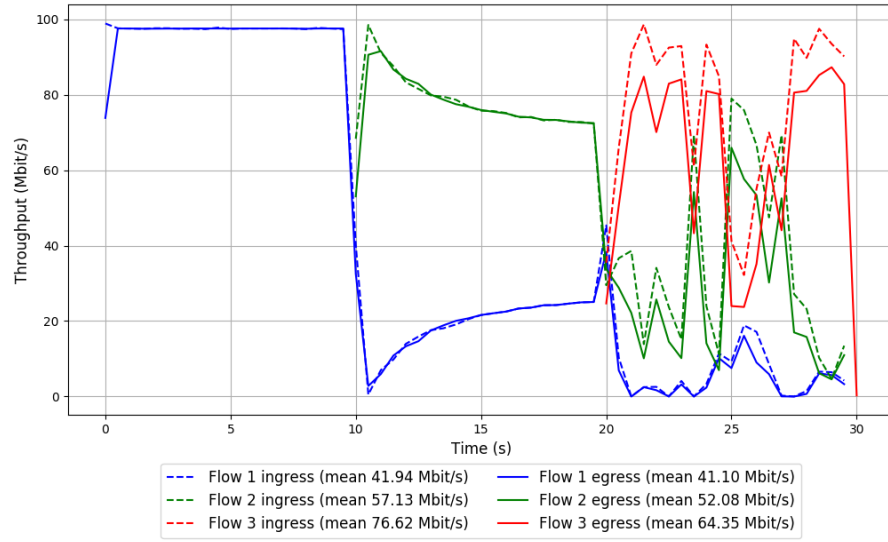


Run 8: Statistics of TCP BBR

Start at: 2018-01-17 05:11:28
End at: 2018-01-17 05:11:58
Local clock offset: -0.484 ms
Remote clock offset: -20.969 ms

Below is generated by plot.py at 2018-01-17 06:38:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 29.219 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 24.225 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 27.823 ms
Loss rate: 8.84%
-- Flow 3:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 31.544 ms
Loss rate: 15.97%

Run 8: Report of TCP BBR — Data Link

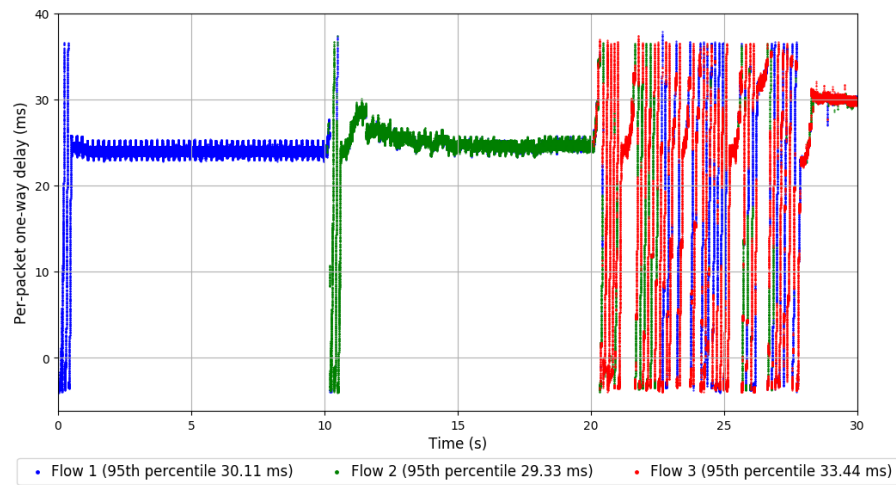
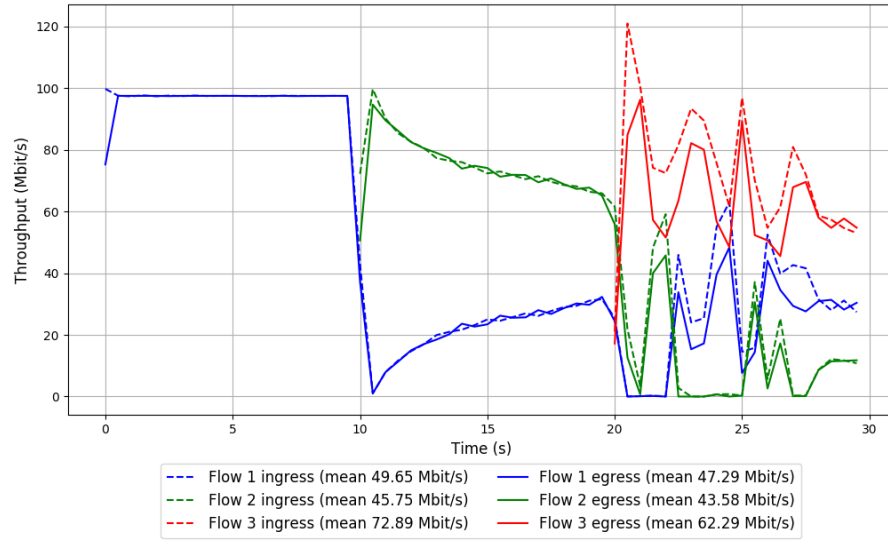


Run 9: Statistics of TCP BBR

Start at: 2018-01-17 05:33:36
End at: 2018-01-17 05:34:06
Local clock offset: -2.68 ms
Remote clock offset: -20.944 ms

Below is generated by plot.py at 2018-01-17 06:39:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.645 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 30.107 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 43.58 Mbit/s
95th percentile per-packet one-way delay: 29.334 ms
Loss rate: 4.71%
-- Flow 3:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 14.62%

Run 9: Report of TCP BBR — Data Link

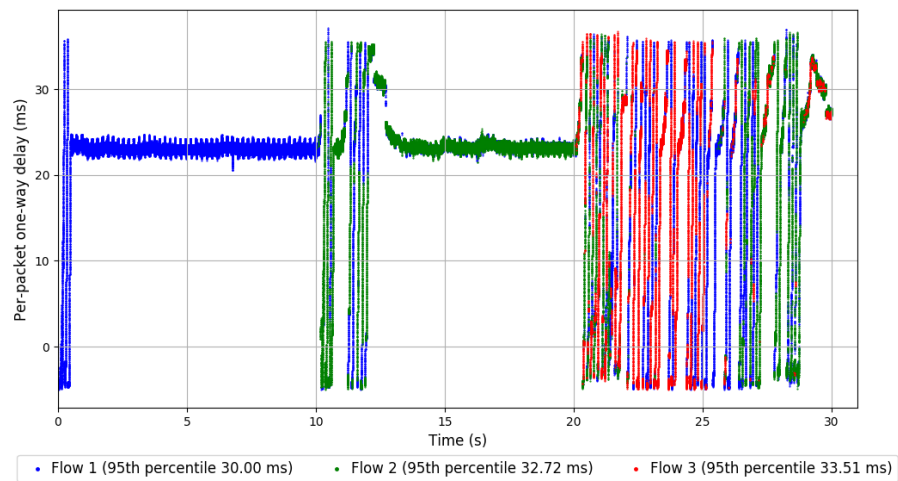
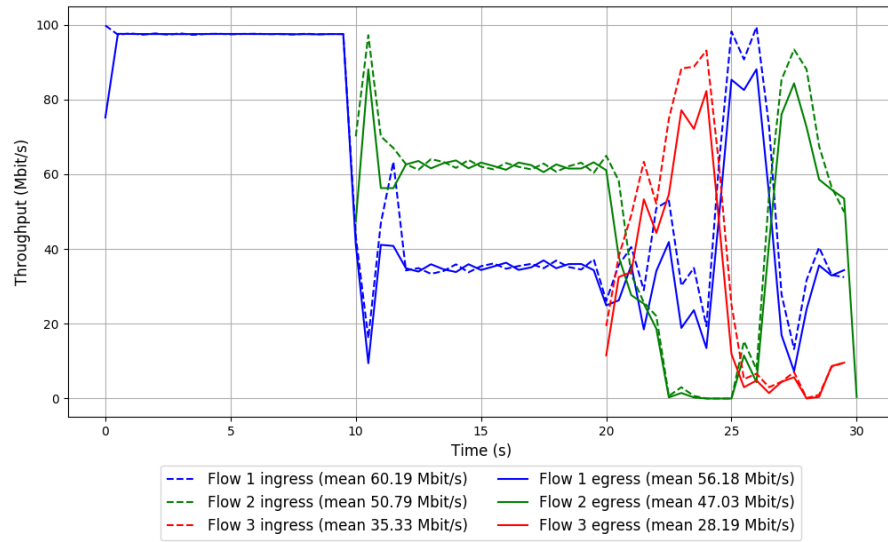


Run 10: Statistics of TCP BBR

Start at: 2018-01-17 05:55:21
End at: 2018-01-17 05:55:51
Local clock offset: -0.881 ms
Remote clock offset: -20.485 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 31.581 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 30.005 ms
Loss rate: 6.56%
-- Flow 2:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 32.718 ms
Loss rate: 7.39%
-- Flow 3:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 33.508 ms
Loss rate: 20.18%

Run 10: Report of TCP BBR — Data Link

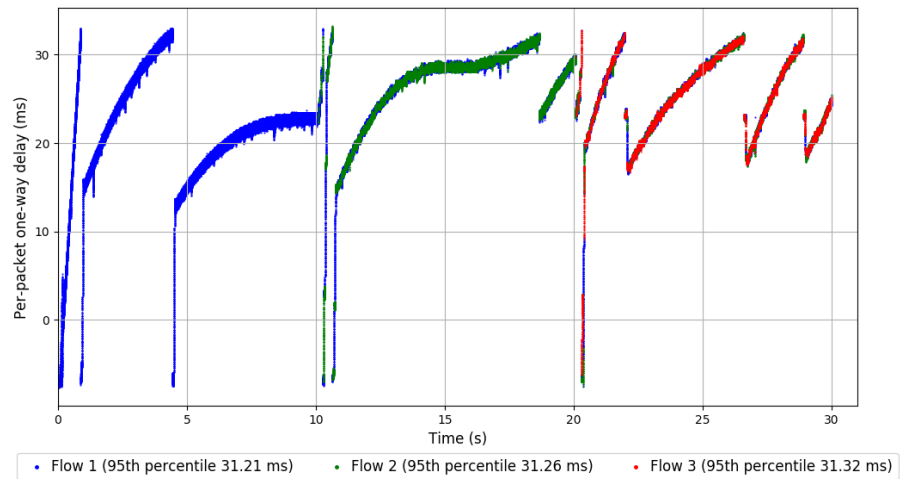
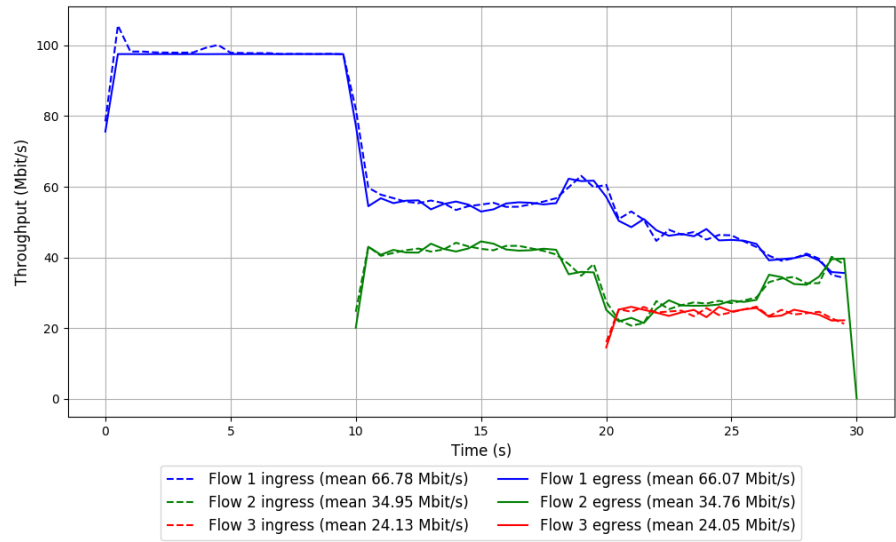


Run 1: Statistics of TCP Cubic

Start at: 2018-01-17 02:37:16
End at: 2018-01-17 02:37:46
Local clock offset: -1.361 ms
Remote clock offset: -18.401 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.249 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 31.208 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 31.263 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link

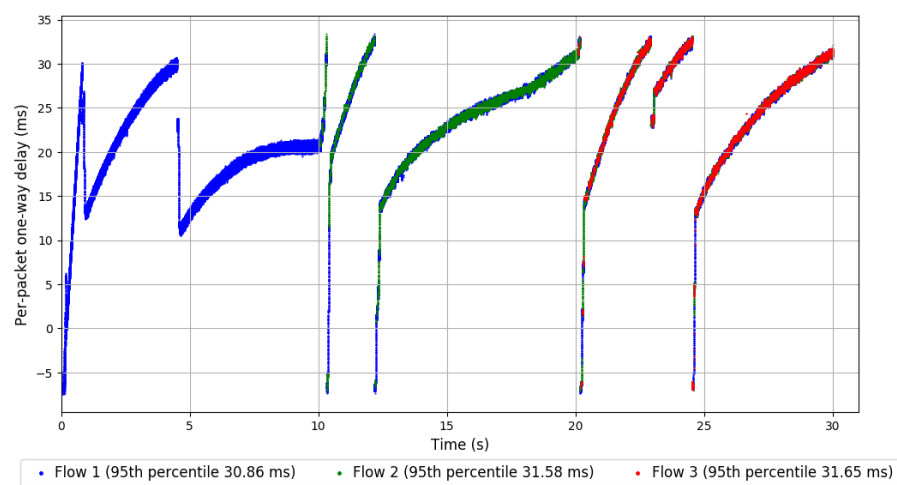
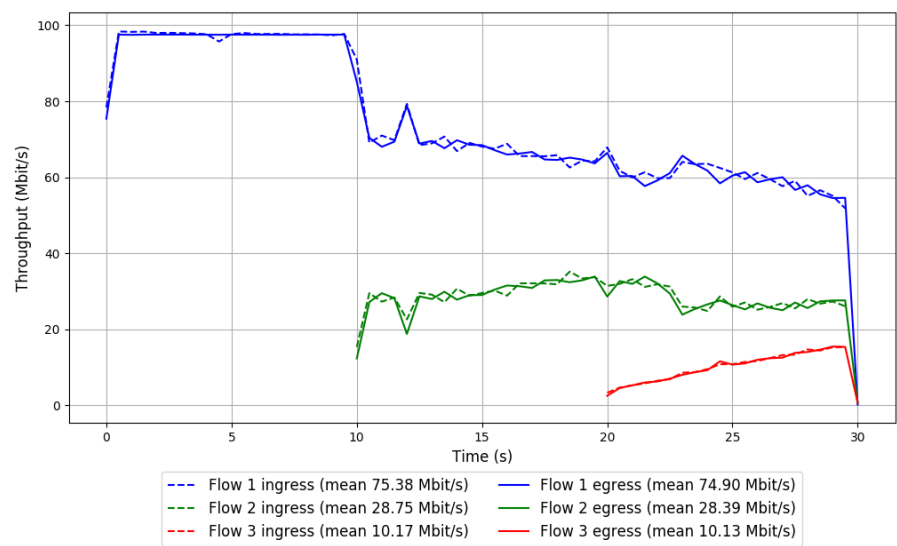


Run 2: Statistics of TCP Cubic

Start at: 2018-01-17 02:59:19
End at: 2018-01-17 02:59:49
Local clock offset: 0.466 ms
Remote clock offset: -16.729 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 74.90 Mbit/s
95th percentile per-packet one-way delay: 30.864 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 31.646 ms
Loss rate: 0.37%

Run 2: Report of TCP Cubic — Data Link

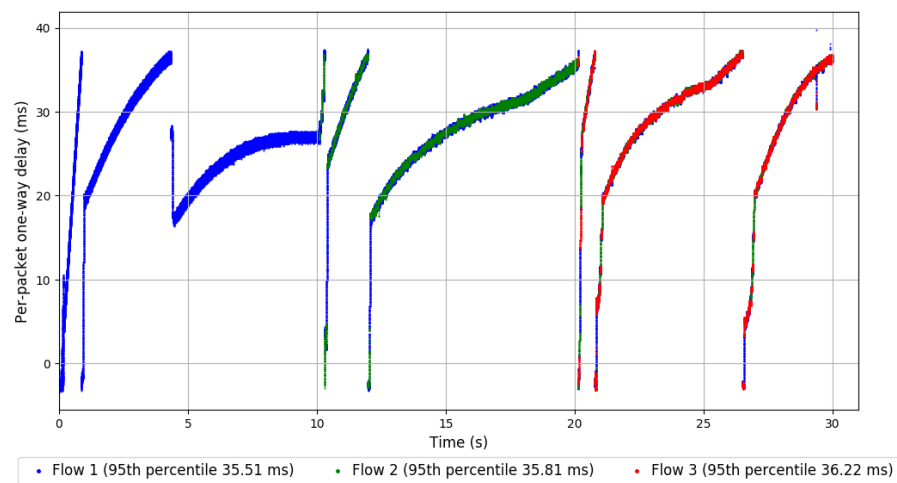
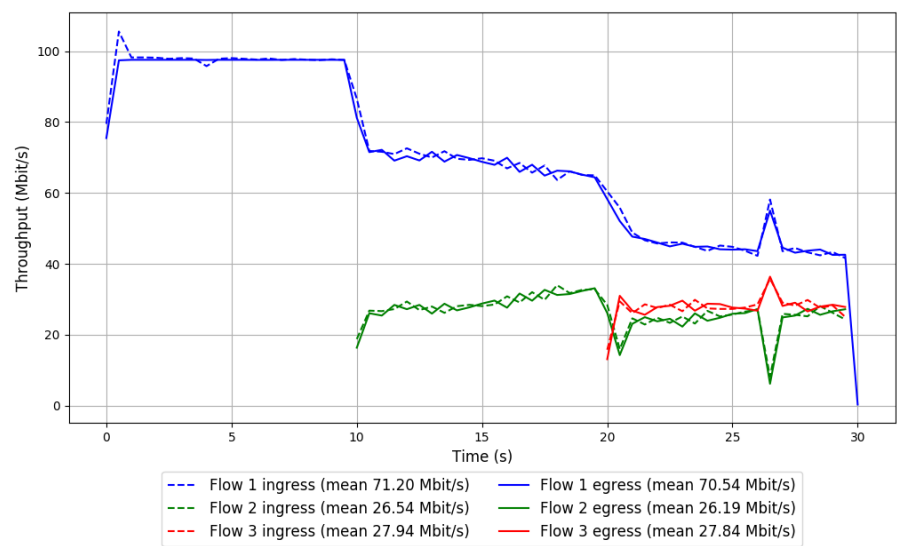


Run 3: Statistics of TCP Cubic

Start at: 2018-01-17 03:20:51
End at: 2018-01-17 03:21:21
Local clock offset: -2.368 ms
Remote clock offset: -16.073 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 35.697 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 35.508 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 35.814 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 36.215 ms
Loss rate: 0.33%

Run 3: Report of TCP Cubic — Data Link

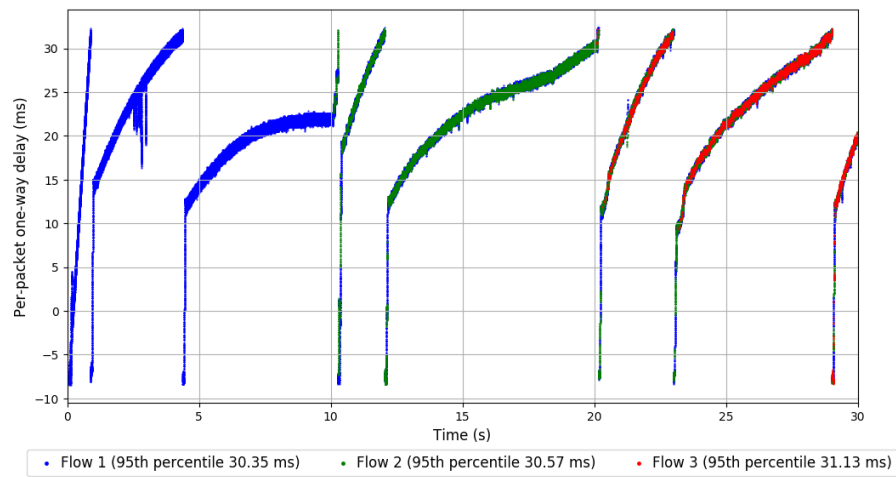
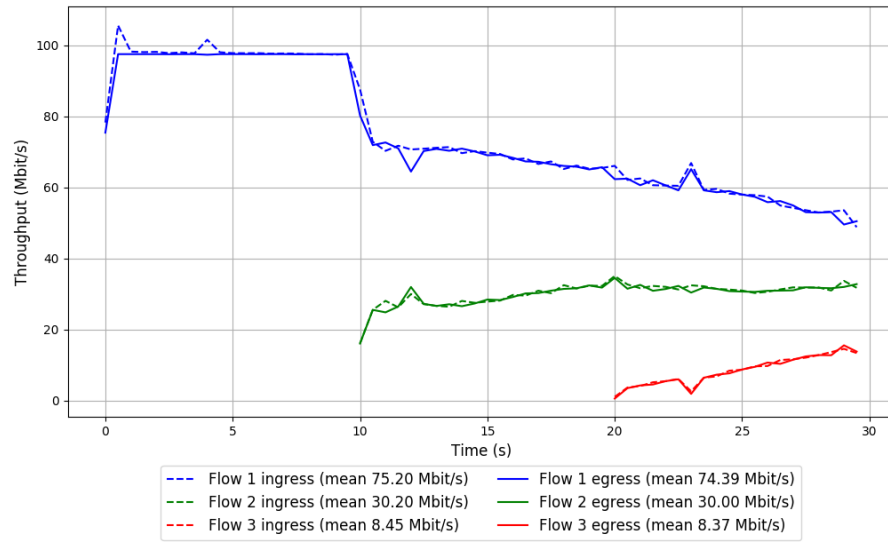


Run 4: Statistics of TCP Cubic

Start at: 2018-01-17 03:42:35
End at: 2018-01-17 03:43:05
Local clock offset: 2.258 ms
Remote clock offset: -18.458 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 30.407 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 30.351 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 30.574 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 31.127 ms
Loss rate: 1.00%

Run 4: Report of TCP Cubic — Data Link

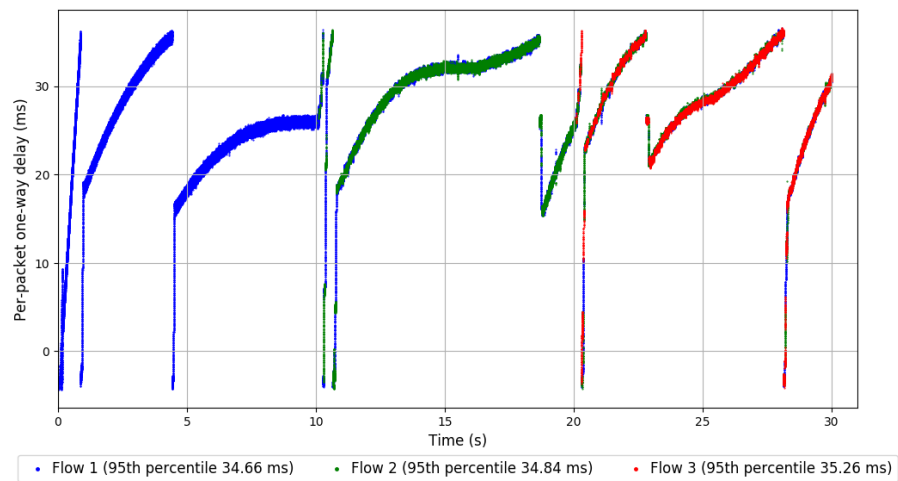
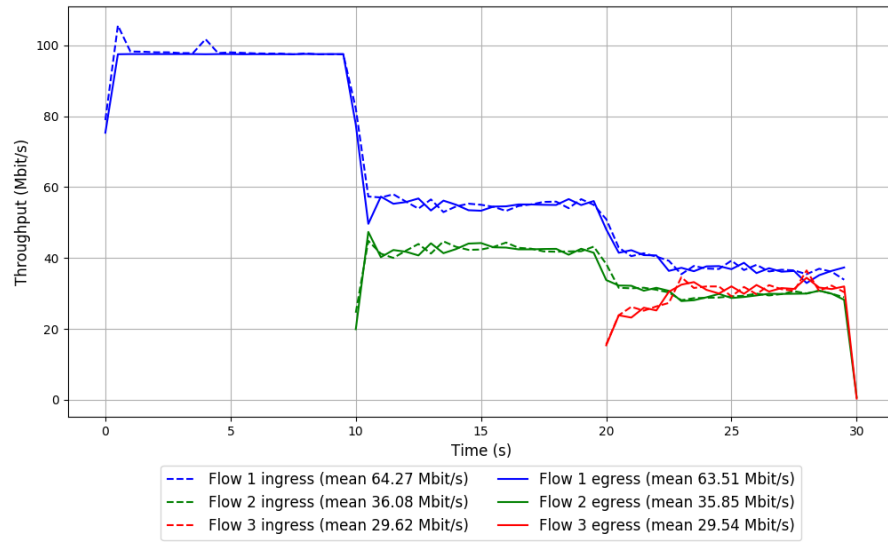


Run 5: Statistics of TCP Cubic

Start at: 2018-01-17 04:04:19
End at: 2018-01-17 04:04:49
Local clock offset: -2.835 ms
Remote clock offset: -20.501 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 34.782 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 34.660 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 34.836 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 35.260 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

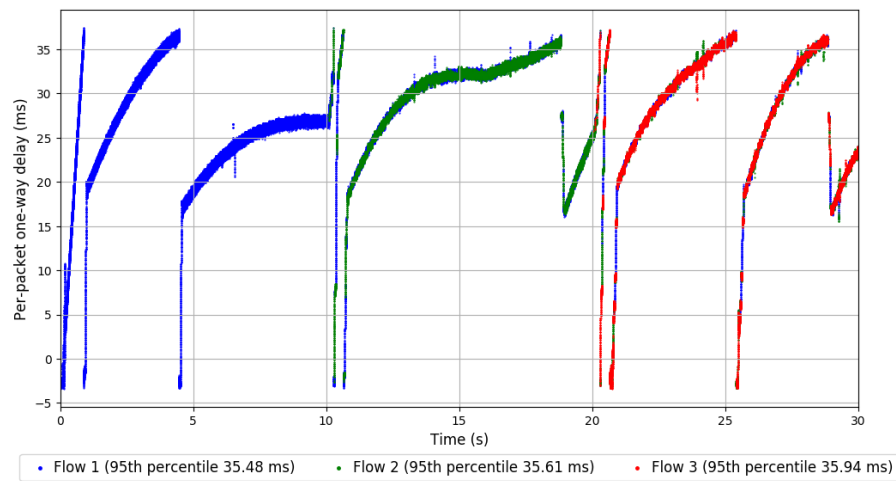
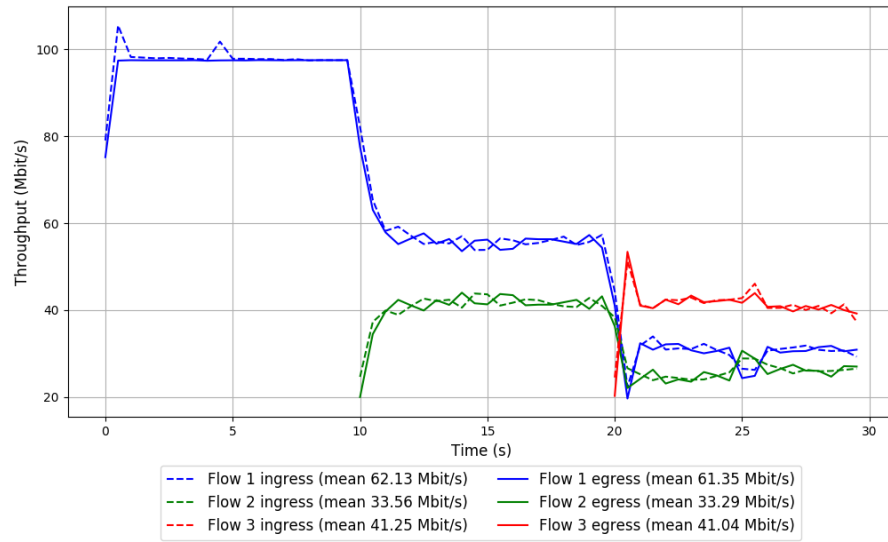


Run 6: Statistics of TCP Cubic

Start at: 2018-01-17 04:26:09
End at: 2018-01-17 04:26:39
Local clock offset: -1.896 ms
Remote clock offset: -20.158 ms

Below is generated by plot.py at 2018-01-17 06:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 35.649 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 35.478 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 35.606 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 35.944 ms
Loss rate: 0.53%

Run 6: Report of TCP Cubic — Data Link

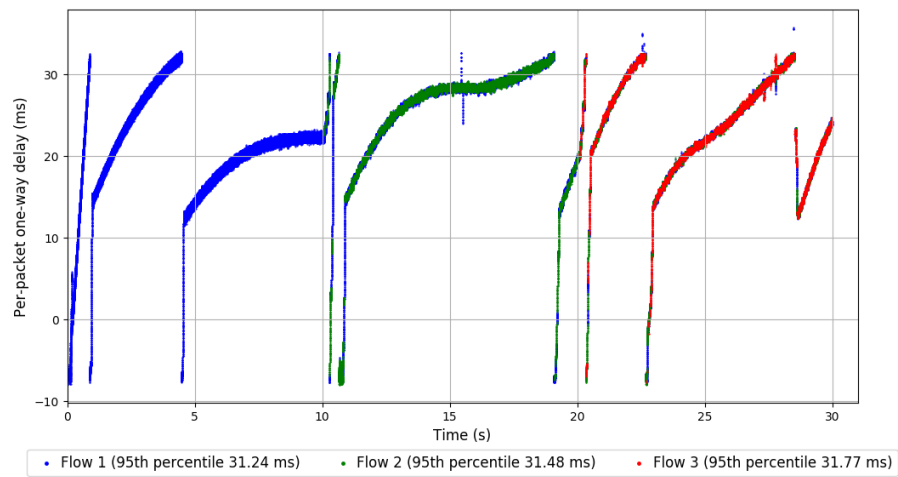
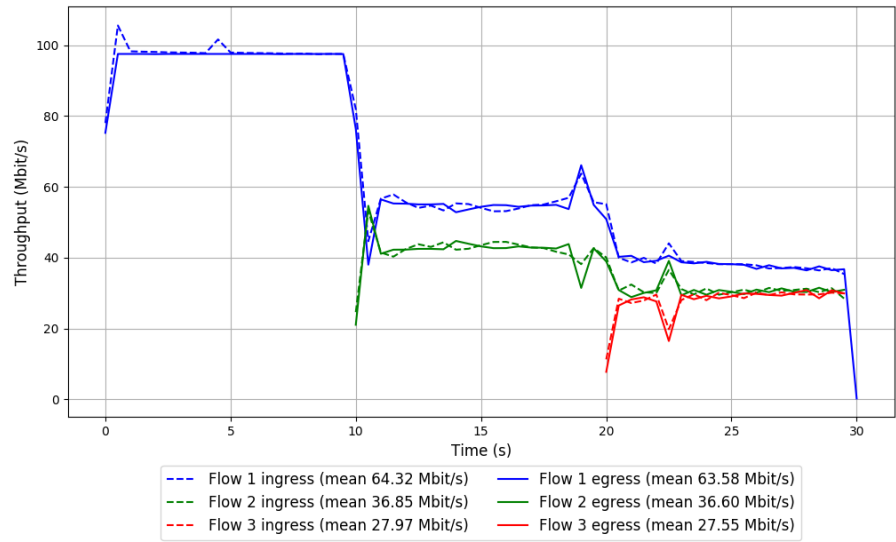


Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 04:47:42
End at: 2018-01-17 04:48:12
Local clock offset: 1.095 ms
Remote clock offset: -20.506 ms

Below is generated by plot.py at 2018-01-17 06:41:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 31.313 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 31.236 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 31.476 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 31.768 ms
Loss rate: 1.45%

Run 7: Report of TCP Cubic — Data Link

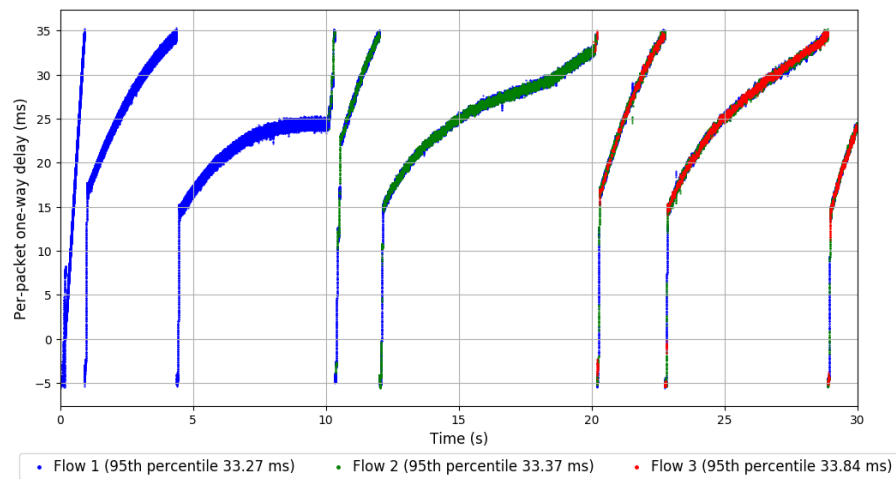
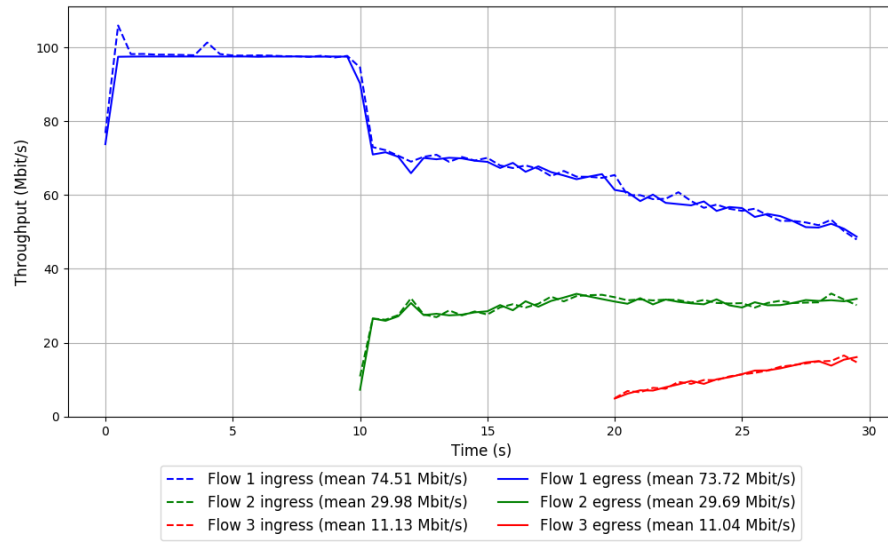


Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 05:10:14
End at: 2018-01-17 05:10:44
Local clock offset: -0.105 ms
Remote clock offset: -19.822 ms

Below is generated by plot.py at 2018-01-17 06:41:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 33.337 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 33.275 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 33.371 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 33.842 ms
Loss rate: 0.88%

Run 8: Report of TCP Cubic — Data Link

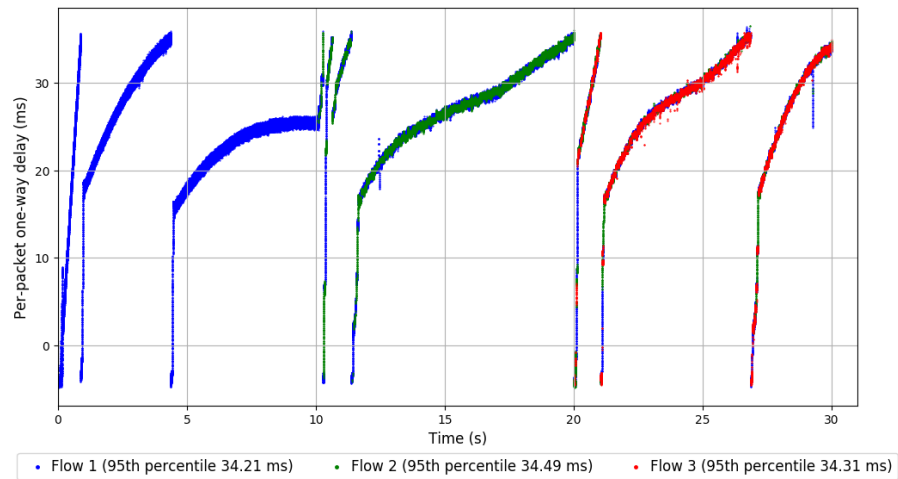
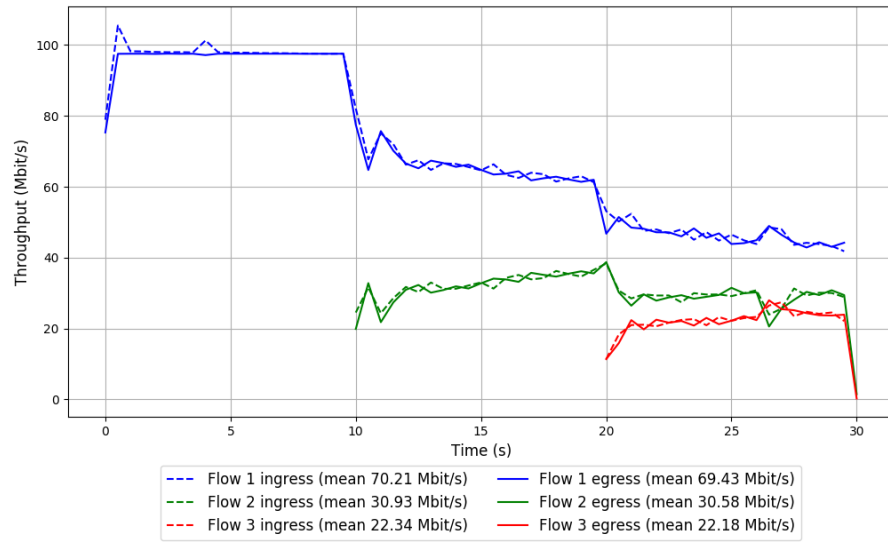


Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 05:32:24
End at: 2018-01-17 05:32:54
Local clock offset: -1.956 ms
Remote clock offset: -20.992 ms

Below is generated by plot.py at 2018-01-17 06:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 34.263 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 34.209 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 34.490 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 34.307 ms
Loss rate: 0.30%

Run 9: Report of TCP Cubic — Data Link

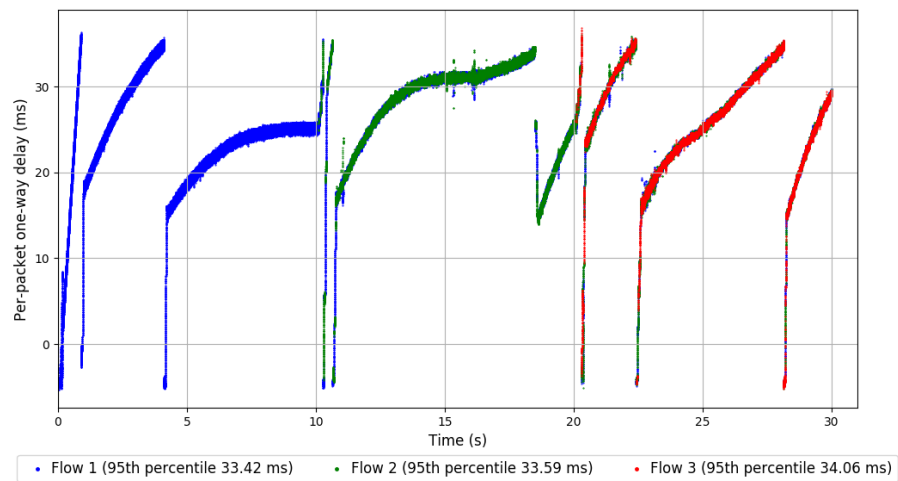
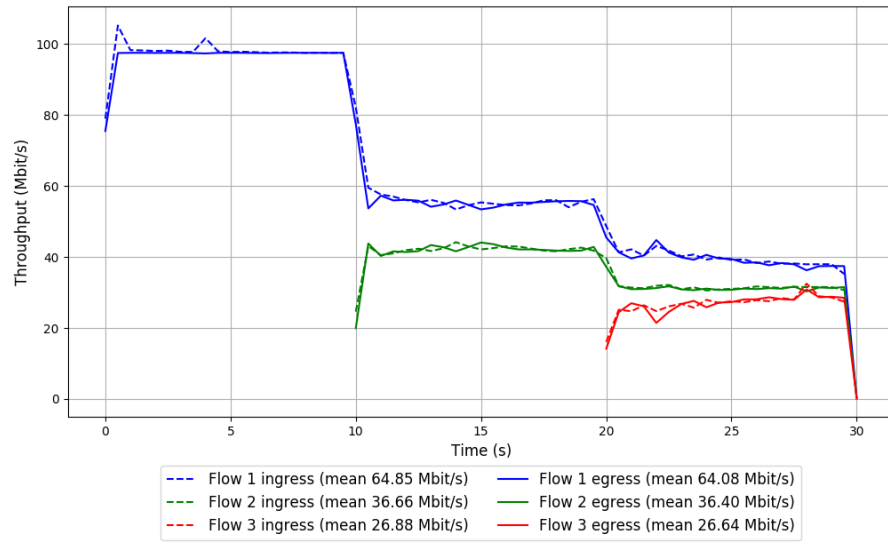


Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 05:54:07
End at: 2018-01-17 05:54:37
Local clock offset: -0.931 ms
Remote clock offset: -20.704 ms

Below is generated by plot.py at 2018-01-17 06:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 33.587 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 33.418 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 33.594 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 26.64 Mbit/s
95th percentile per-packet one-way delay: 34.062 ms
Loss rate: 0.85%

Run 10: Report of TCP Cubic — Data Link

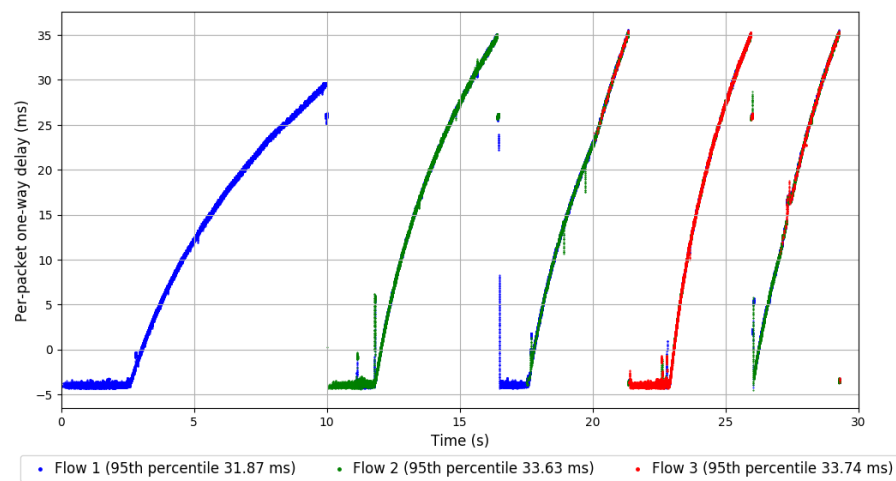
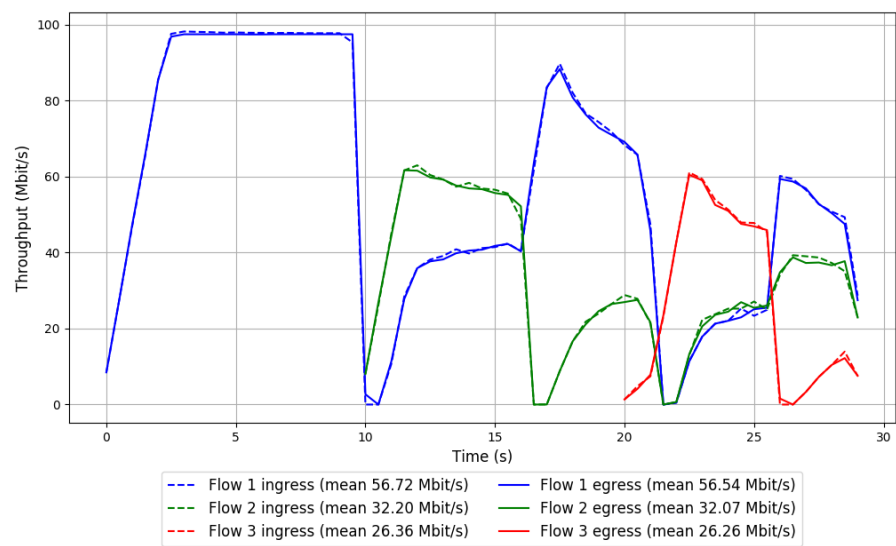


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-17 02:33:32
End at: 2018-01-17 02:34:02
Local clock offset: -4.231 ms
Remote clock offset: -17.637 ms

# Below is generated by plot.py at 2018-01-17 06:41:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 32.856 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 31.874 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 33.628 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 26.26 Mbit/s
95th percentile per-packet one-way delay: 33.737 ms
Loss rate: 0.70%
```

Run 1: Report of LEDBAT — Data Link

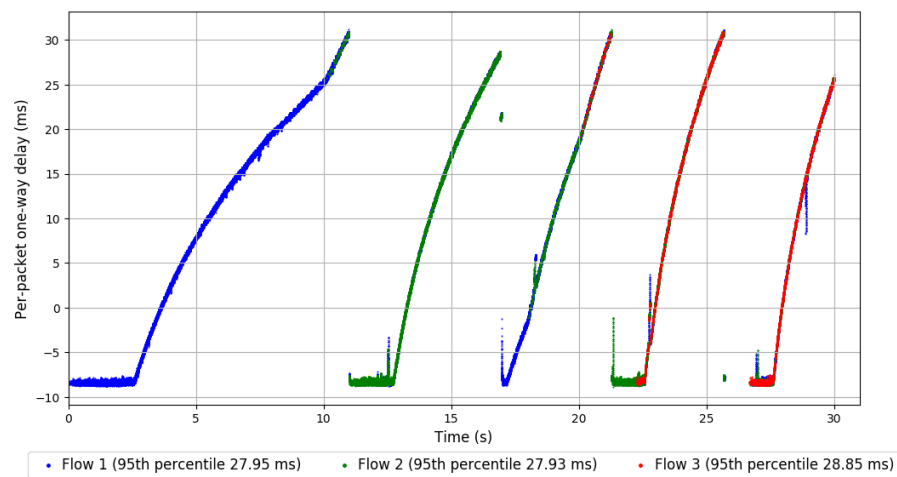
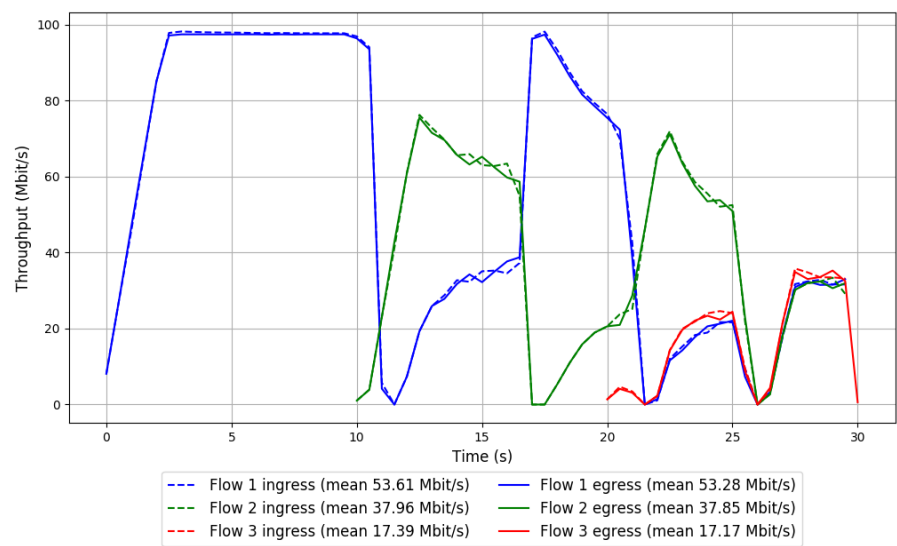


Run 2: Statistics of LEDBAT

Start at: 2018-01-17 02:55:45
End at: 2018-01-17 02:56:15
Local clock offset: 1.027 ms
Remote clock offset: -17.514 ms

Below is generated by plot.py at 2018-01-17 06:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 27.951 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 27.926 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 28.853 ms
Loss rate: 1.20%

Run 2: Report of LEDBAT — Data Link

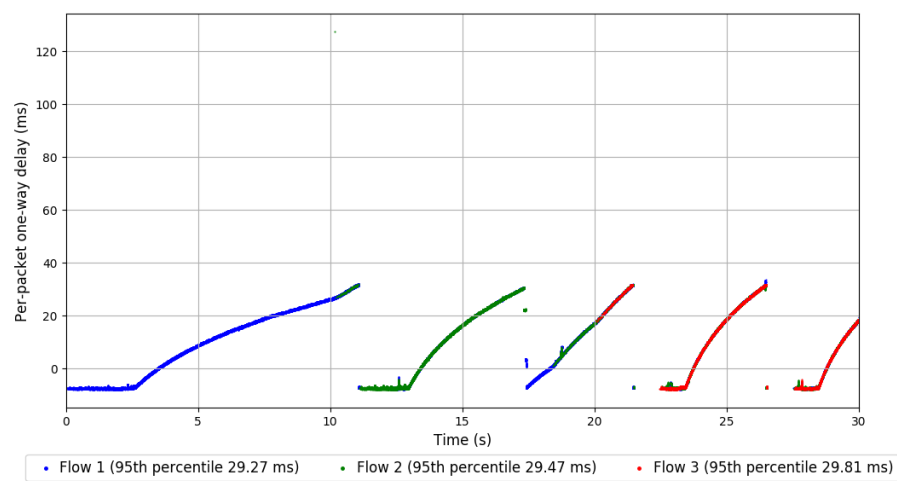
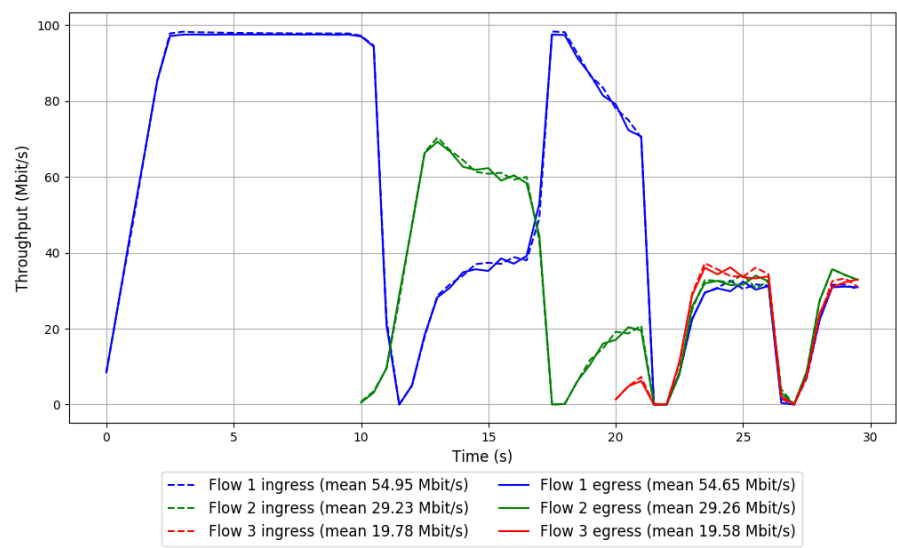


Run 3: Statistics of LEDBAT

Start at: 2018-01-17 03:17:23
End at: 2018-01-17 03:17:53
Local clock offset: 0.655 ms
Remote clock offset: -17.341 ms

Below is generated by plot.py at 2018-01-17 06:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.47 Mbit/s
95th percentile per-packet one-way delay: 29.310 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 29.271 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 29.470 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 29.812 ms
Loss rate: 1.00%

Run 3: Report of LEDBAT — Data Link

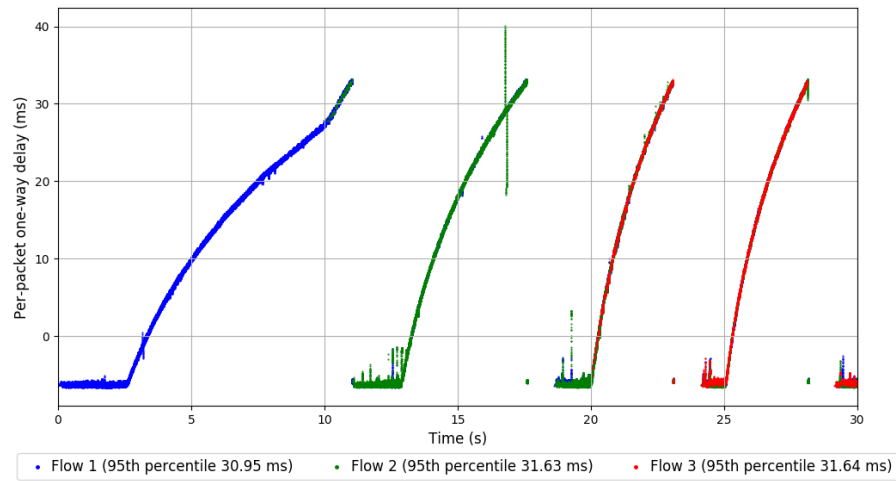
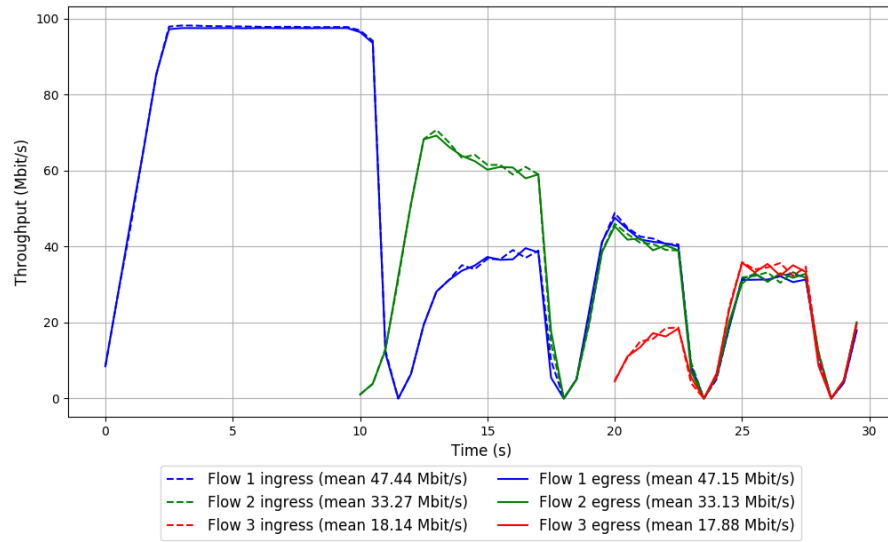


Run 4: Statistics of LEDBAT

Start at: 2018-01-17 03:39:03
End at: 2018-01-17 03:39:33
Local clock offset: 0.434 ms
Remote clock offset: -18.188 ms

Below is generated by plot.py at 2018-01-17 06:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 31.208 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 30.953 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 17.88 Mbit/s
95th percentile per-packet one-way delay: 31.638 ms
Loss rate: 1.47%

Run 4: Report of LEDBAT — Data Link

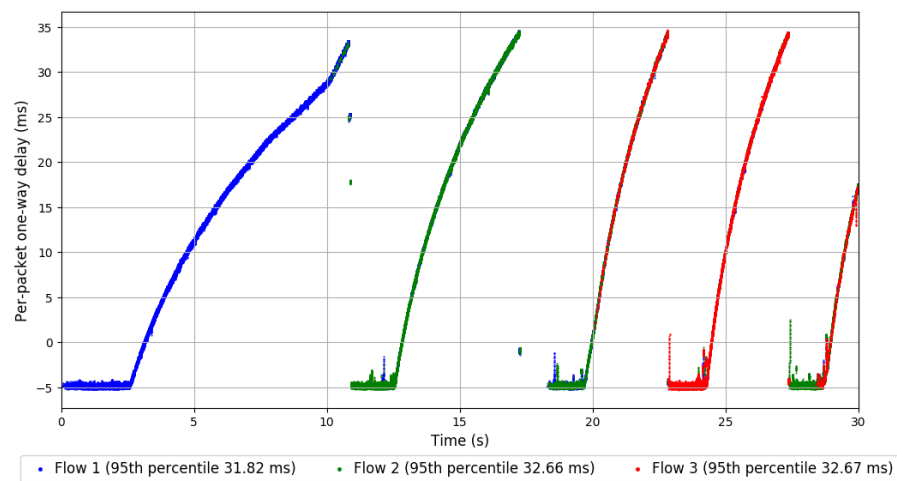
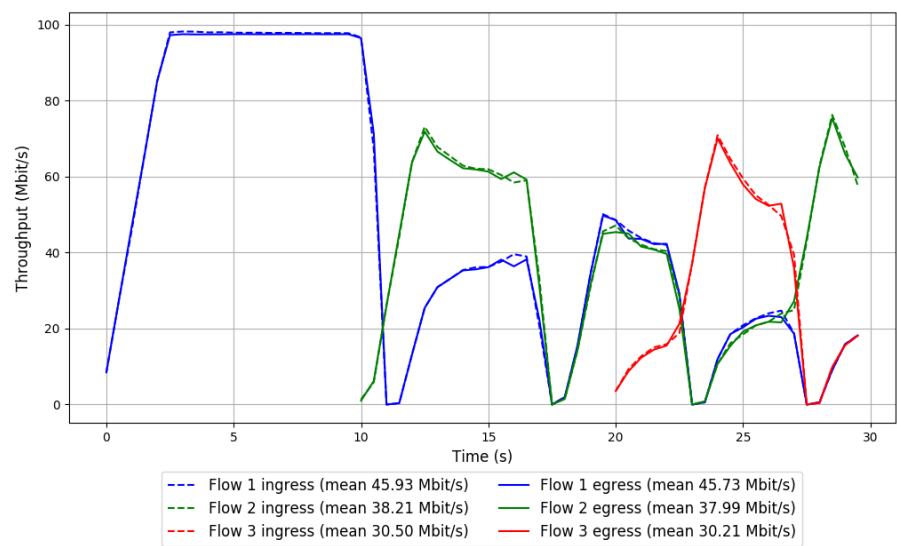


Run 5: Statistics of LEDBAT

Start at: 2018-01-17 04:00:49
End at: 2018-01-17 04:01:19
Local clock offset: -0.386 ms
Remote clock offset: -18.652 ms

Below is generated by plot.py at 2018-01-17 06:42:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 32.182 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 32.661 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 32.674 ms
Loss rate: 0.77%

Run 5: Report of LEDBAT — Data Link

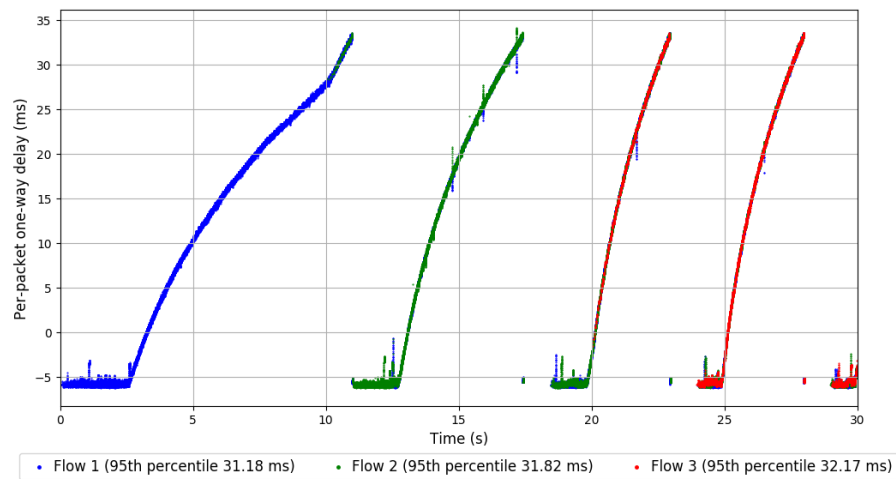
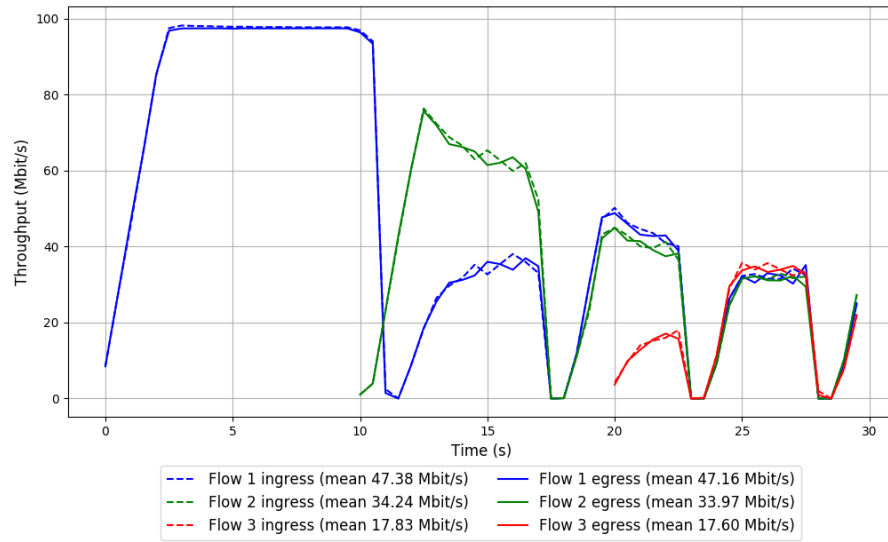


Run 6: Statistics of LEDBAT

Start at: 2018-01-17 04:22:40
End at: 2018-01-17 04:23:10
Local clock offset: 0.928 ms
Remote clock offset: -20.238 ms

Below is generated by plot.py at 2018-01-17 06:42:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 31.461 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 31.183 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 31.816 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 32.168 ms
Loss rate: 1.30%

Run 6: Report of LEDBAT — Data Link

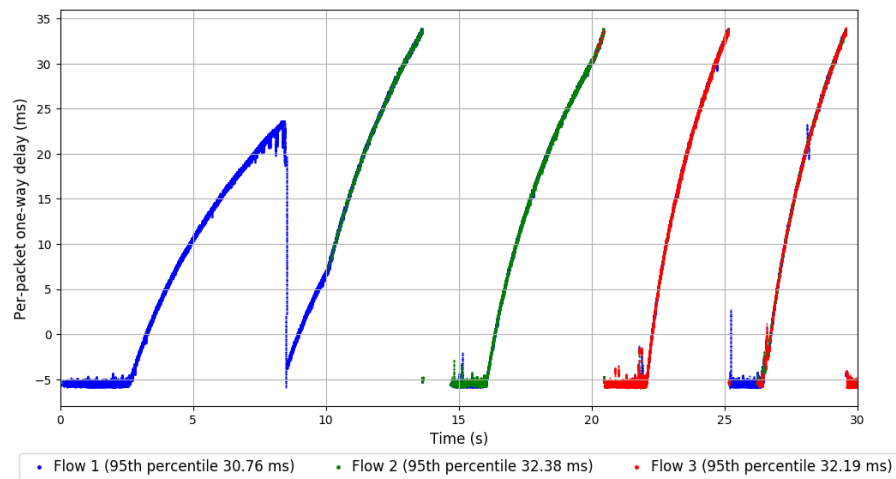
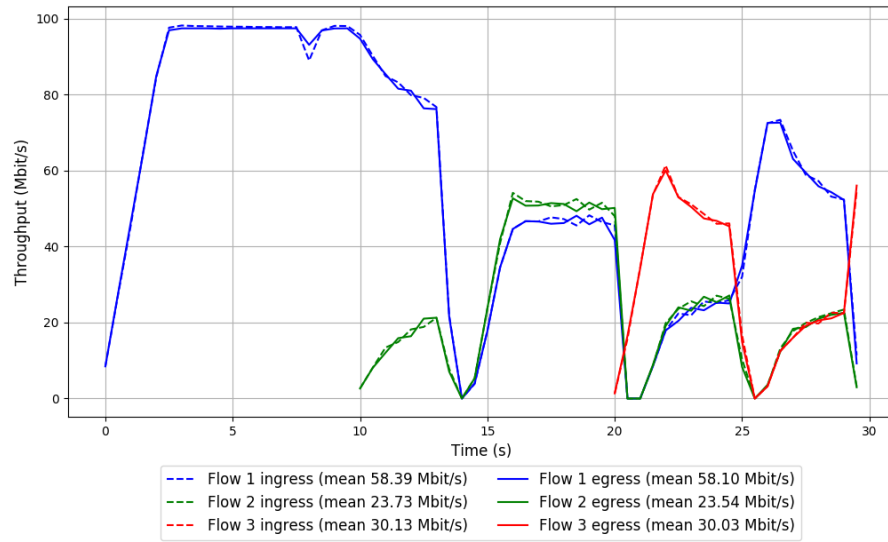


Run 7: Statistics of LEDBAT

Start at: 2018-01-17 04:44:12
End at: 2018-01-17 04:44:42
Local clock offset: -0.199 ms
Remote clock offset: -19.685 ms

Below is generated by plot.py at 2018-01-17 06:42:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 31.483 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 30.759 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 32.378 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 32.185 ms
Loss rate: 0.71%

Run 7: Report of LEDBAT — Data Link

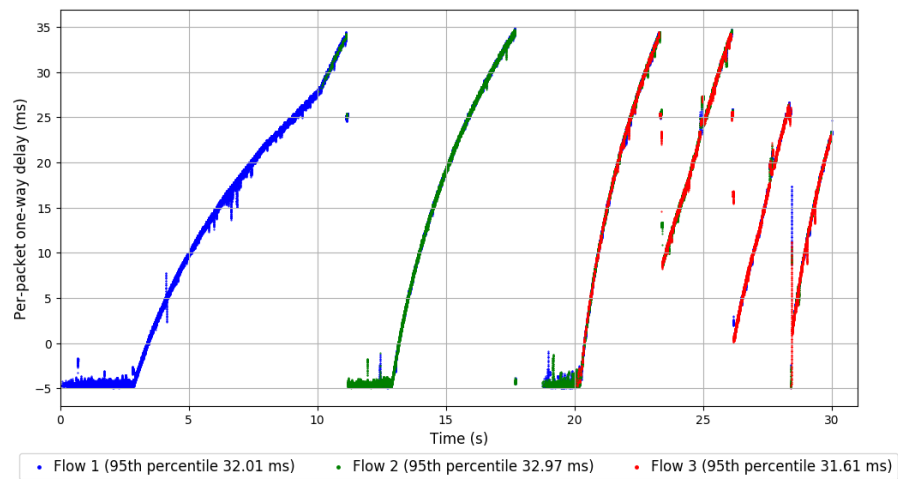
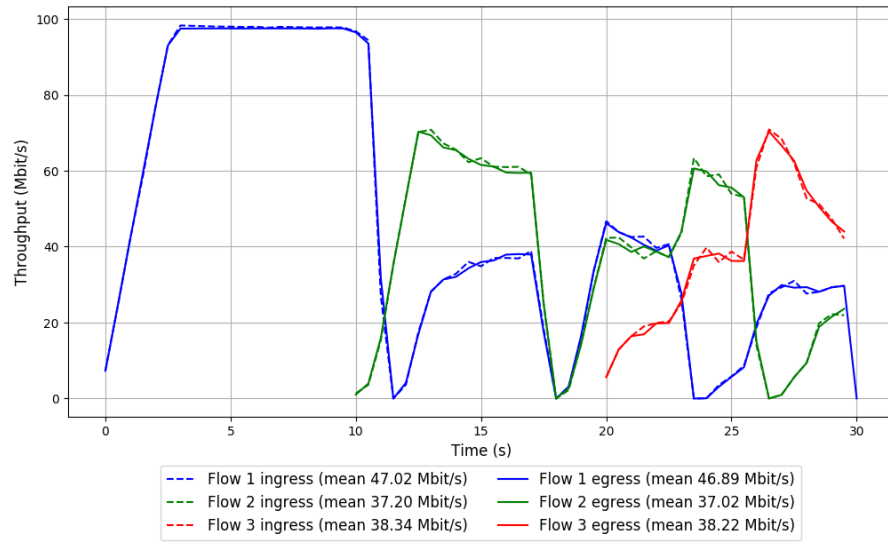


Run 8: Statistics of LEDBAT

Start at: 2018-01-17 05:06:29
End at: 2018-01-17 05:06:59
Local clock offset: -1.535 ms
Remote clock offset: -20.71 ms

Below is generated by plot.py at 2018-01-17 06:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.18 Mbit/s
95th percentile per-packet one-way delay: 32.280 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 32.006 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 32.973 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 31.611 ms
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link

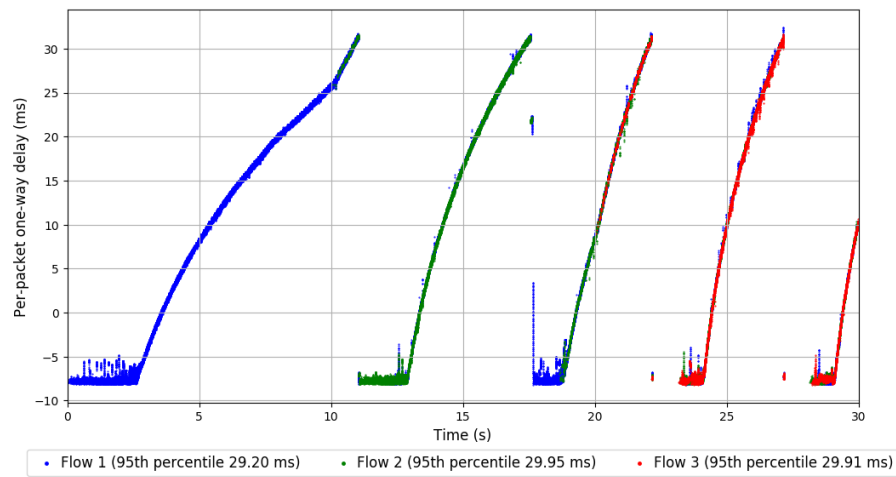
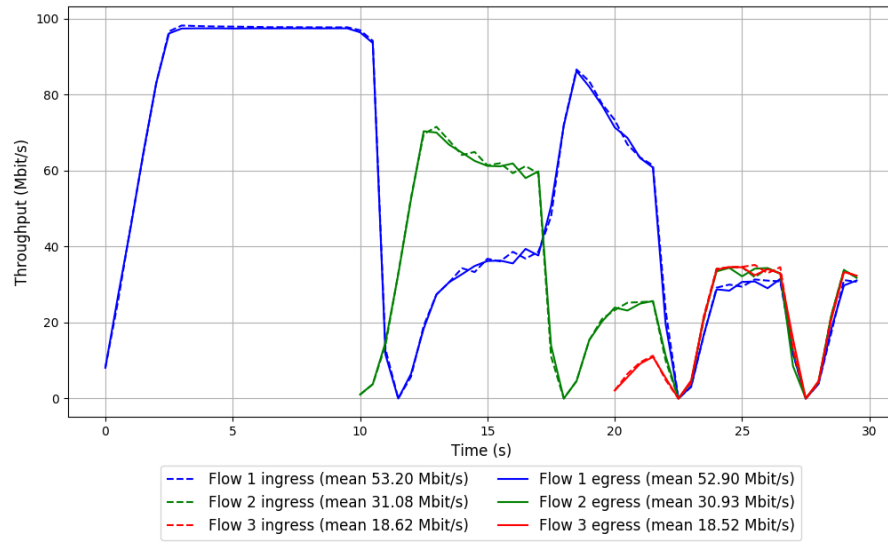


Run 9: Statistics of LEDBAT

Start at: 2018-01-17 05:28:47
End at: 2018-01-17 05:29:17
Local clock offset: 0.564 ms
Remote clock offset: -21.803 ms

Below is generated by plot.py at 2018-01-17 06:42:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 29.470 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 29.200 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 29.948 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 29.907 ms
Loss rate: 0.53%

Run 9: Report of LEDBAT — Data Link

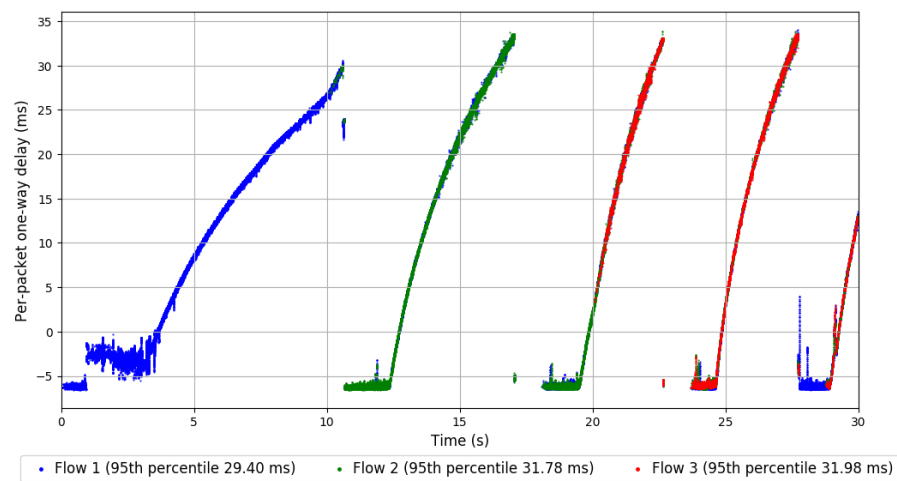
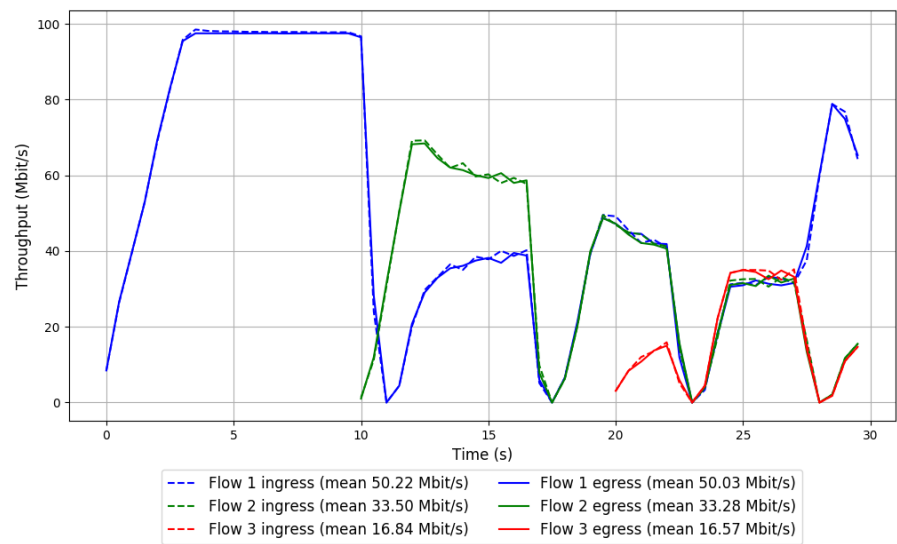


Run 10: Statistics of LEDBAT

Start at: 2018-01-17 05:50:30
End at: 2018-01-17 05:51:00
Local clock offset: 0.461 ms
Remote clock offset: -20.615 ms

Below is generated by plot.py at 2018-01-17 06:42:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 30.733 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 29.396 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 31.780 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 31.981 ms
Loss rate: 1.48%

Run 10: Report of LEDBAT — Data Link

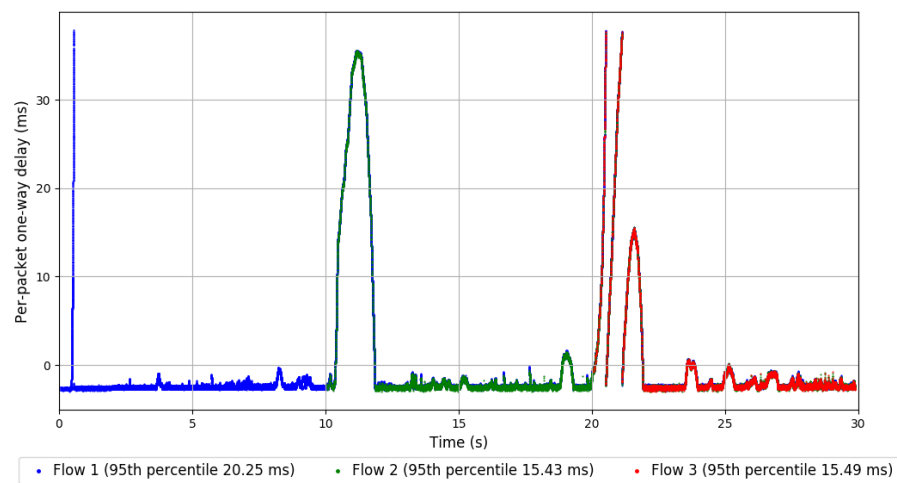
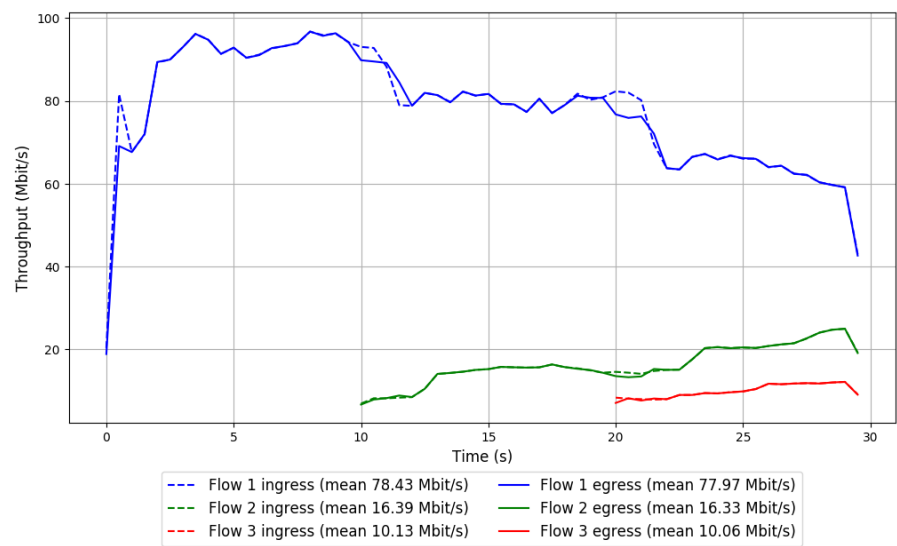


Run 1: Statistics of PCC

Start at: 2018-01-17 02:43:26
End at: 2018-01-17 02:43:56
Local clock offset: -5.07 ms
Remote clock offset: -17.425 ms

Below is generated by plot.py at 2018-01-17 06:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 19.776 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 20.246 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 15.425 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 15.488 ms
Loss rate: 0.65%

Run 1: Report of PCC — Data Link

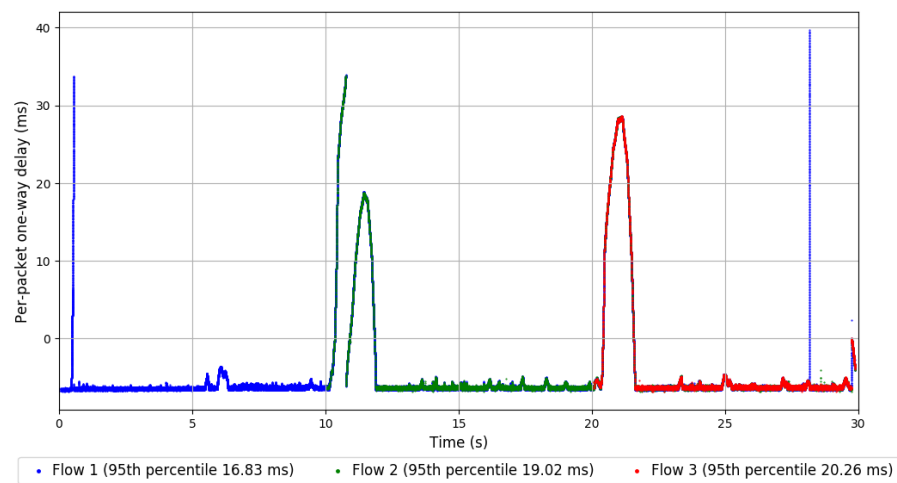
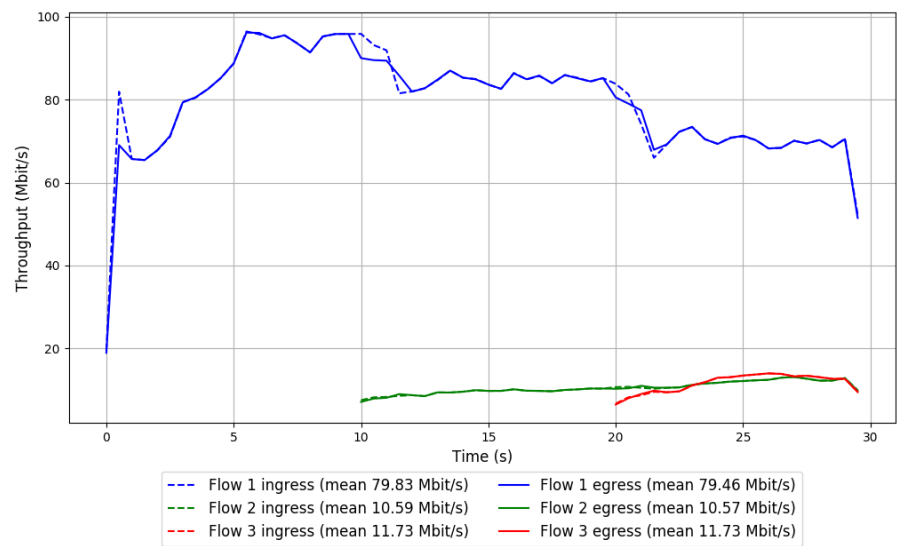


Run 2: Statistics of PCC

Start at: 2018-01-17 03:05:13
End at: 2018-01-17 03:05:43
Local clock offset: -0.446 ms
Remote clock offset: -16.879 ms

Below is generated by plot.py at 2018-01-17 06:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 17.222 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 79.46 Mbit/s
95th percentile per-packet one-way delay: 16.833 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 19.022 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link

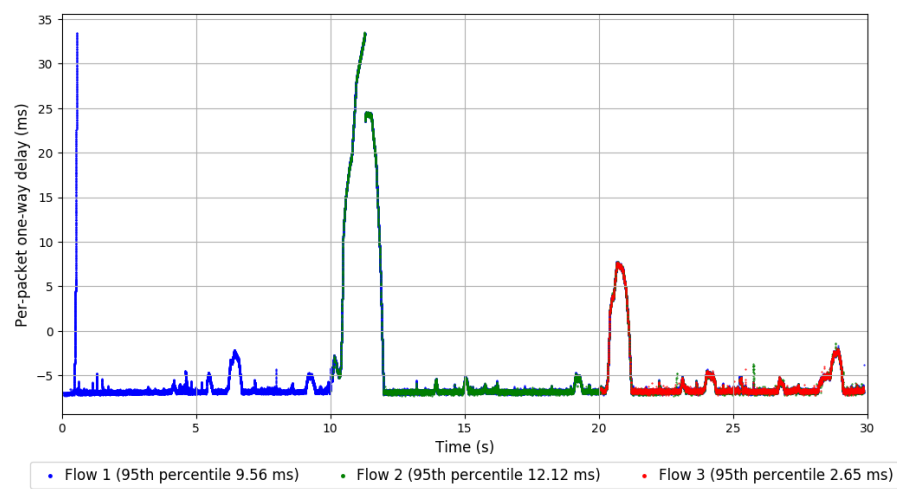
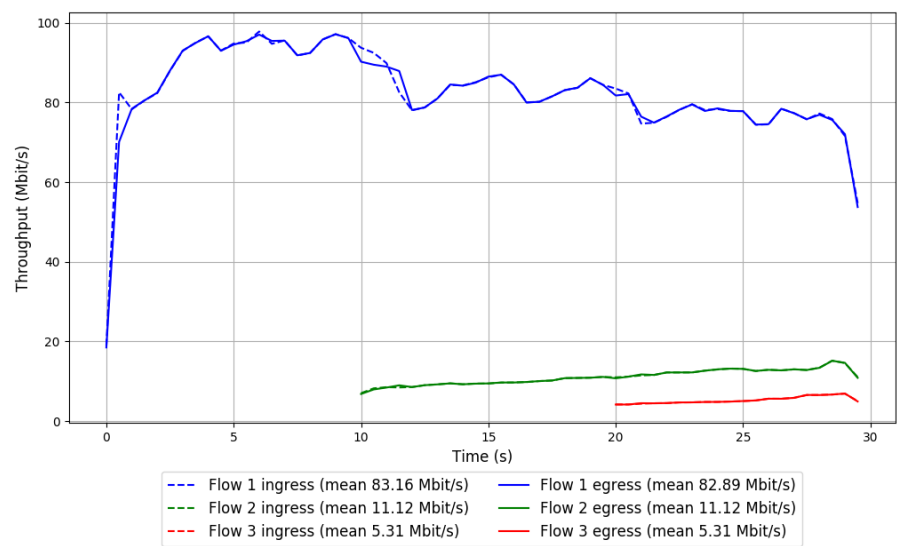


Run 3: Statistics of PCC

Start at: 2018-01-17 03:26:48
End at: 2018-01-17 03:27:18
Local clock offset: 0.933 ms
Remote clock offset: -16.915 ms

Below is generated by plot.py at 2018-01-17 06:43:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 8.393 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 82.89 Mbit/s
95th percentile per-packet one-way delay: 9.561 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 12.118 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 2.650 ms
Loss rate: 0.00%

Run 3: Report of PCC — Data Link

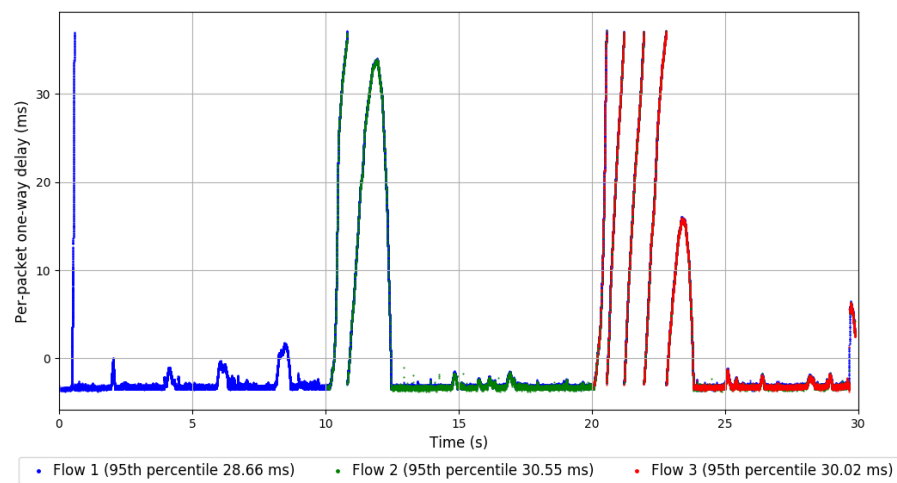
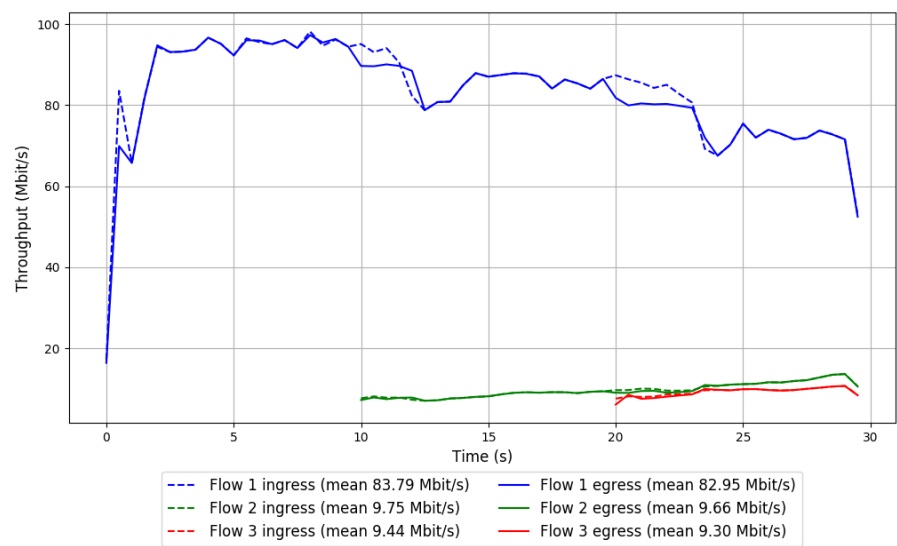


Run 4: Statistics of PCC

Start at: 2018-01-17 03:48:30
End at: 2018-01-17 03:49:00
Local clock offset: -2.794 ms
Remote clock offset: -19.138 ms

Below is generated by plot.py at 2018-01-17 06:43:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 28.927 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 82.95 Mbit/s
95th percentile per-packet one-way delay: 28.665 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 30.548 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 30.016 ms
Loss rate: 1.41%

Run 4: Report of PCC — Data Link

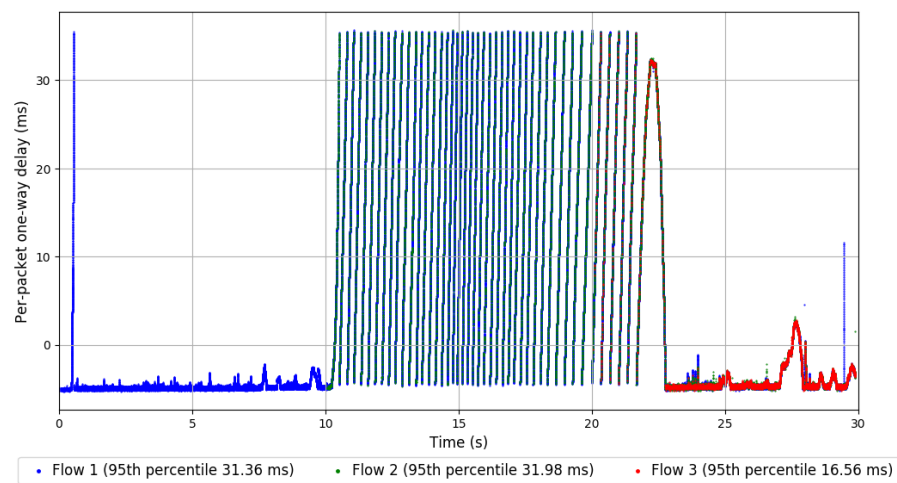
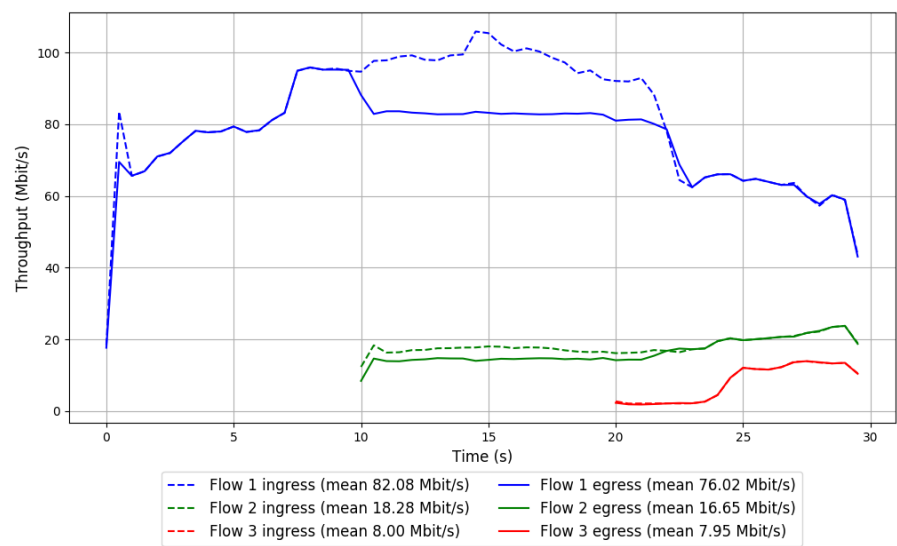


Run 5: Statistics of PCC

Start at: 2018-01-17 04:10:13
End at: 2018-01-17 04:10:43
Local clock offset: -1.047 ms
Remote clock offset: -20.06 ms

Below is generated by plot.py at 2018-01-17 06:43:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 31.408 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 31.362 ms
Loss rate: 7.38%
-- Flow 2:
Average throughput: 16.65 Mbit/s
95th percentile per-packet one-way delay: 31.979 ms
Loss rate: 8.85%
-- Flow 3:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 16.563 ms
Loss rate: 0.64%

Run 5: Report of PCC — Data Link

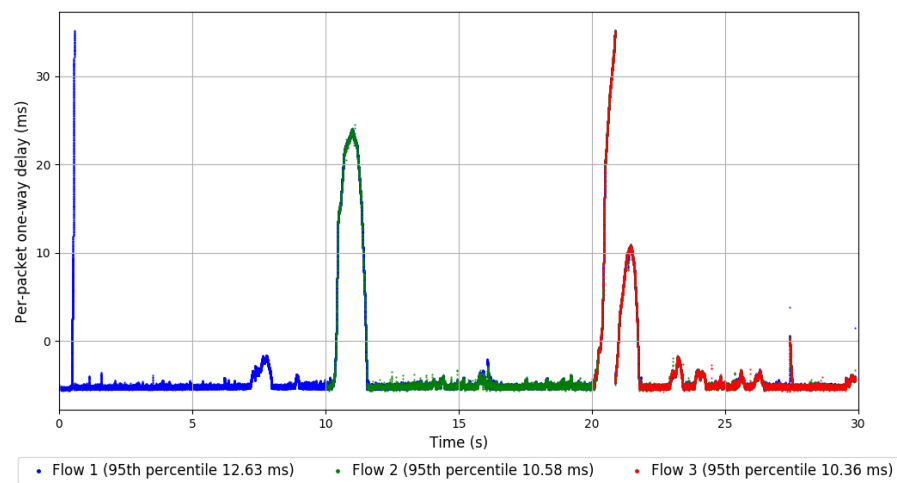
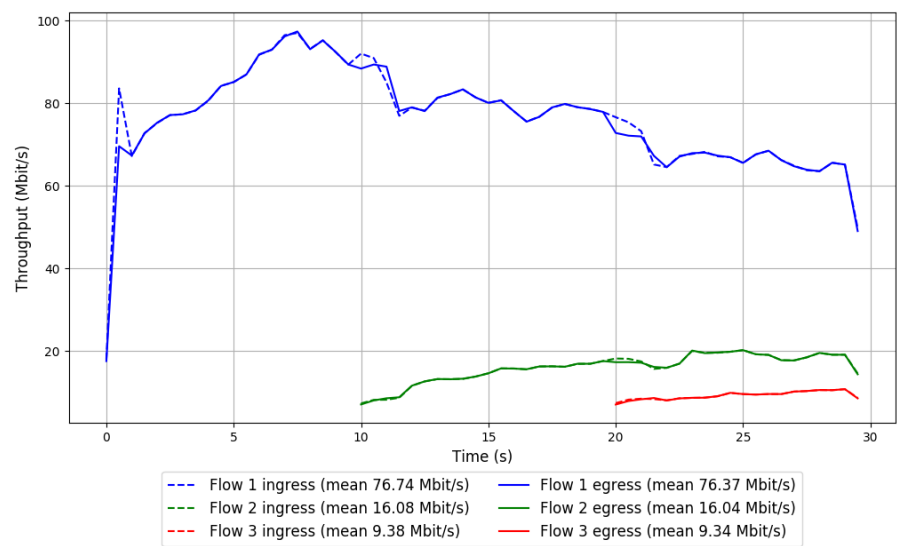


Run 6: Statistics of PCC

Start at: 2018-01-17 04:31:59
End at: 2018-01-17 04:32:29
Local clock offset: -0.49 ms
Remote clock offset: -20.281 ms

Below is generated by plot.py at 2018-01-17 06:43:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 11.798 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 12.631 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 10.578 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 10.359 ms
Loss rate: 0.35%

Run 6: Report of PCC — Data Link

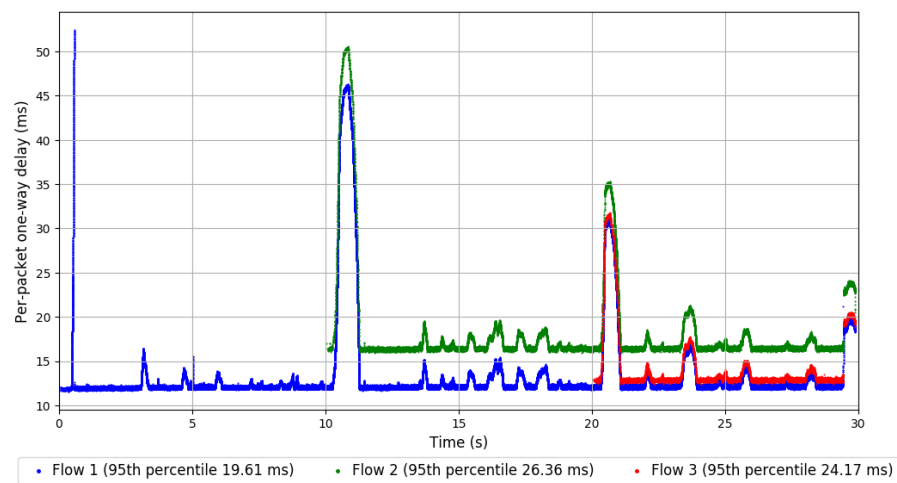
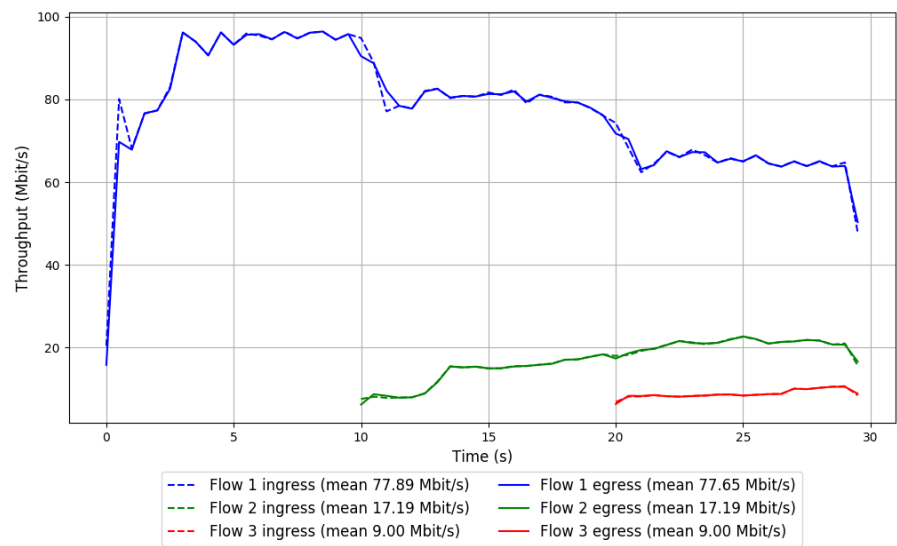


Run 7: Statistics of PCC

Start at: 2018-01-17 04:53:53
End at: 2018-01-17 04:54:23
Local clock offset: -1.385 ms
Remote clock offset: -3.065 ms

Below is generated by plot.py at 2018-01-17 06:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 22.939 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 19.606 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 26.357 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 24.167 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

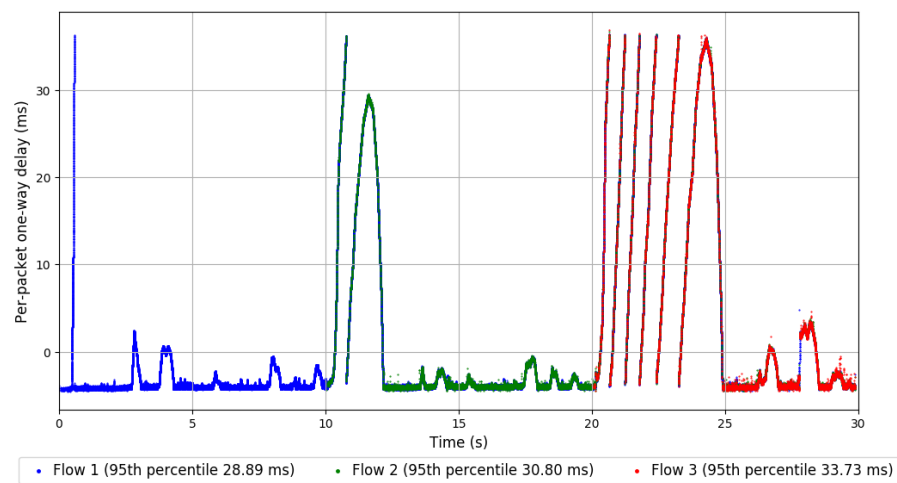
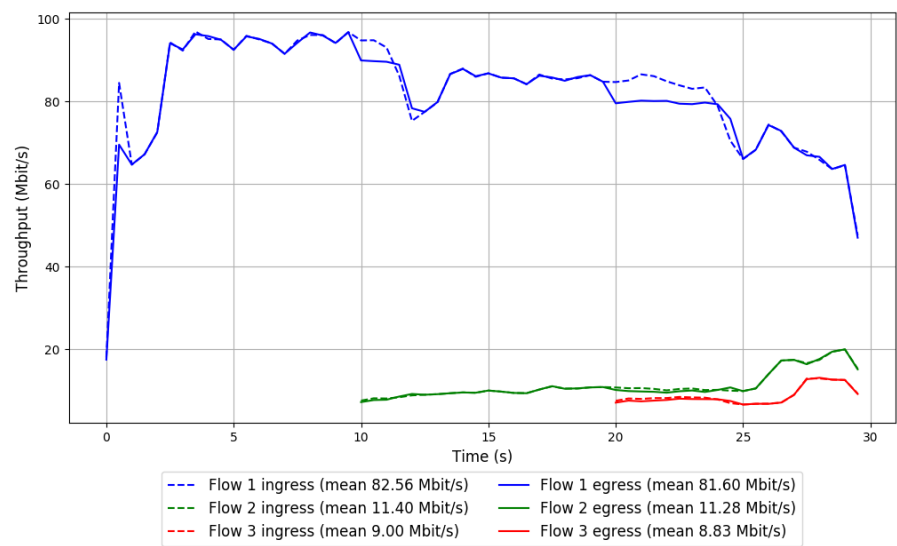


Run 8: Statistics of PCC

Start at: 2018-01-17 05:16:16
End at: 2018-01-17 05:16:46
Local clock offset: -3.481 ms
Remote clock offset: -21.937 ms

Below is generated by plot.py at 2018-01-17 06:43:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.01 Mbit/s
95th percentile per-packet one-way delay: 29.197 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 28.892 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 30.803 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 33.732 ms
Loss rate: 1.85%

Run 8: Report of PCC — Data Link

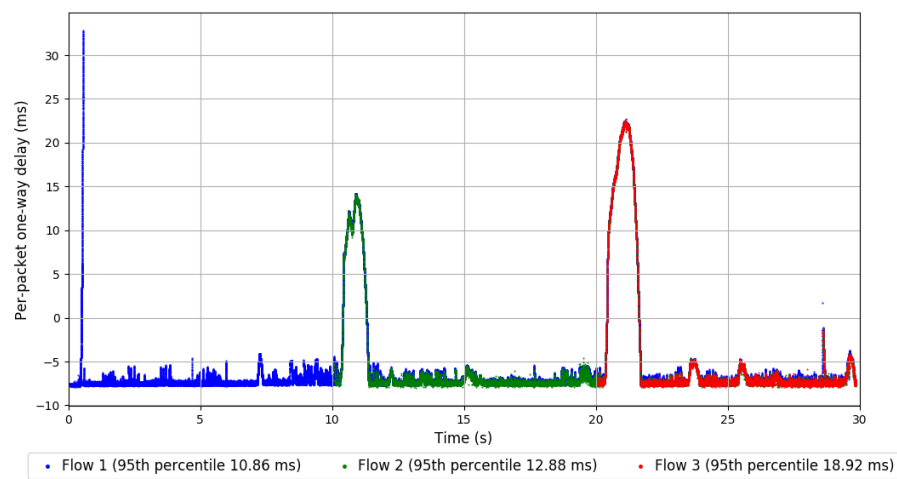
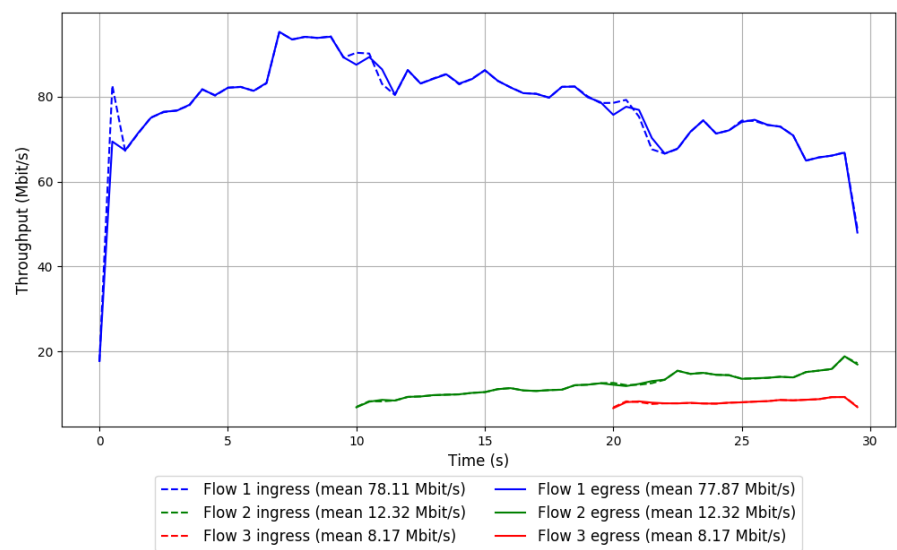


Run 9: Statistics of PCC

Start at: 2018-01-17 05:38:17
End at: 2018-01-17 05:38:47
Local clock offset: -1.19 ms
Remote clock offset: -23.056 ms

Below is generated by plot.py at 2018-01-17 06:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.76 Mbit/s
95th percentile per-packet one-way delay: 11.279 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 10.858 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 12.32 Mbit/s
95th percentile per-packet one-way delay: 12.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 18.918 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link

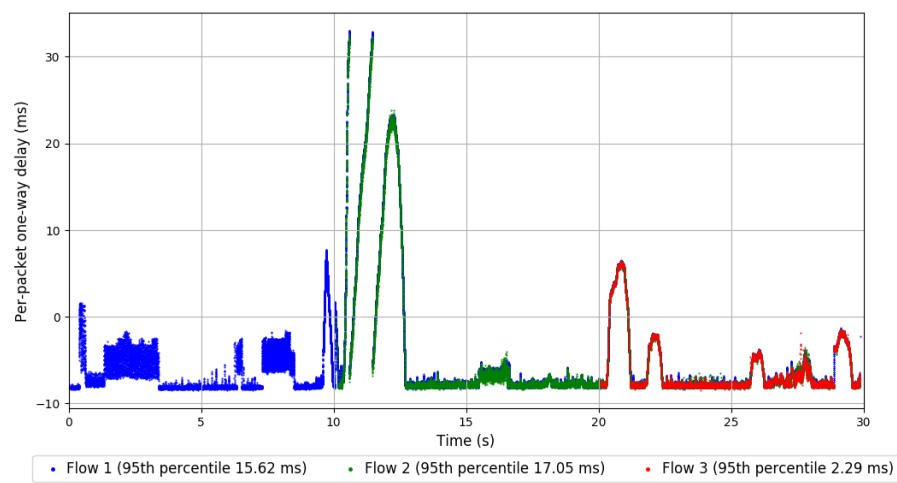
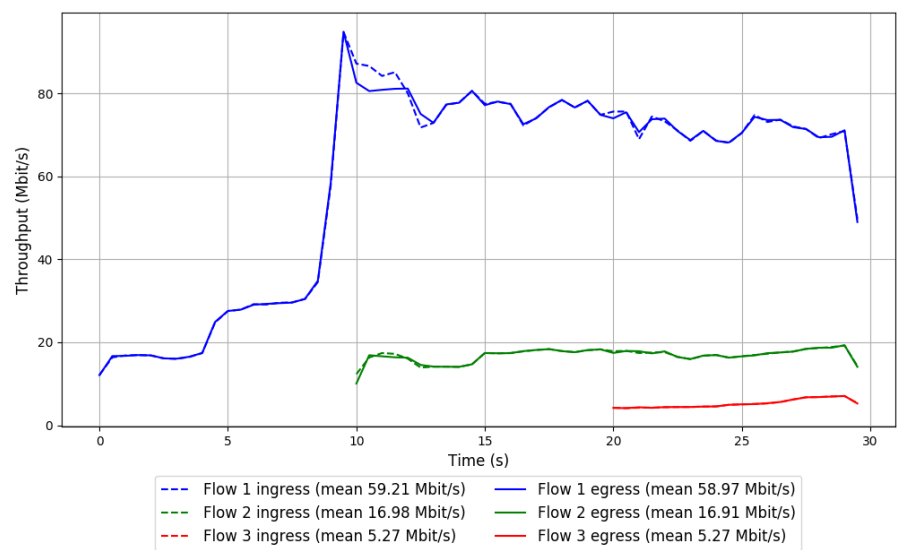


Run 10: Statistics of PCC

Start at: 2018-01-17 06:00:08
End at: 2018-01-17 06:00:38
Local clock offset: 1.037 ms
Remote clock offset: -21.829 ms

Below is generated by plot.py at 2018-01-17 06:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 15.345 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 15.617 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 17.052 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 2.294 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link

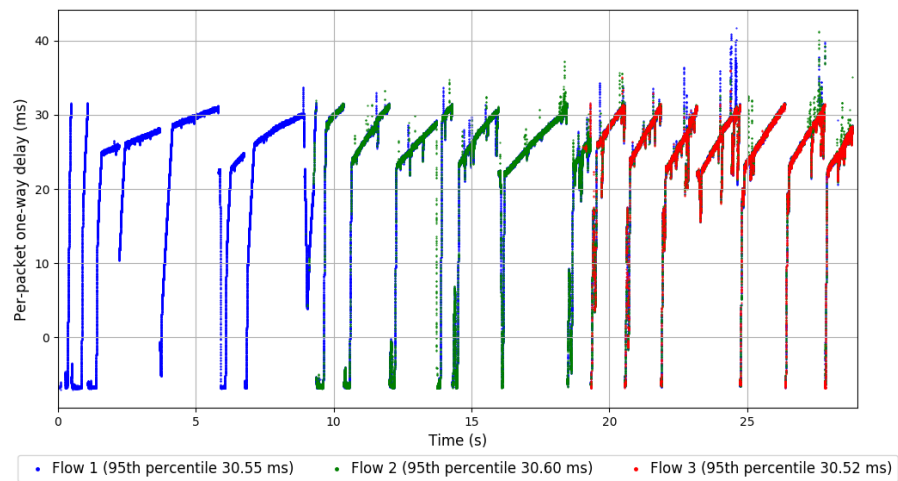
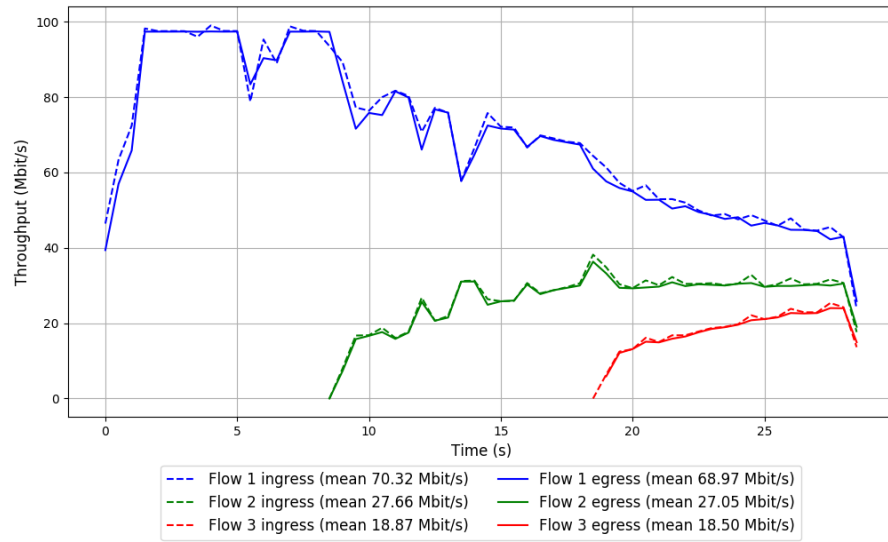


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-17 02:32:22
End at: 2018-01-17 02:32:52
Local clock offset: -1.804 ms
Remote clock offset: -17.726 ms

Below is generated by plot.py at 2018-01-17 06:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 30.556 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 30.546 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 27.05 Mbit/s
95th percentile per-packet one-way delay: 30.596 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 30.523 ms
Loss rate: 1.96%

Run 1: Report of QUIC Cubic — Data Link

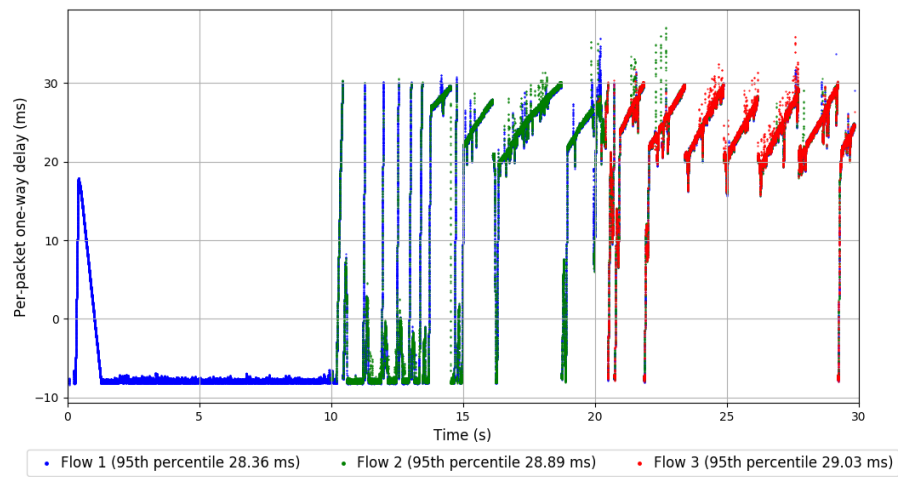
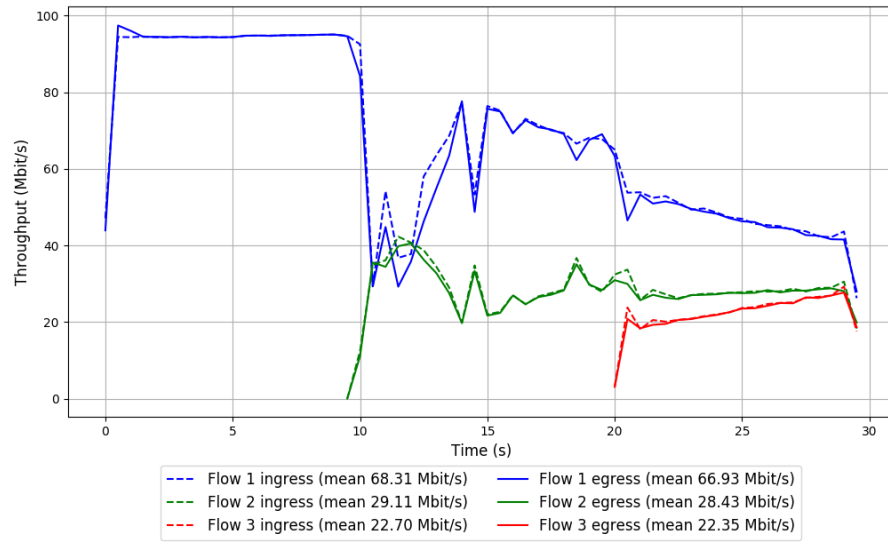


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-17 02:54:33
End at: 2018-01-17 02:55:03
Local clock offset: 0.566 ms
Remote clock offset: -17.462 ms

Below is generated by plot.py at 2018-01-17 06:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 28.596 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 28.356 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 28.43 Mbit/s
95th percentile per-packet one-way delay: 28.892 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 29.034 ms
Loss rate: 1.56%

Run 2: Report of QUIC Cubic — Data Link

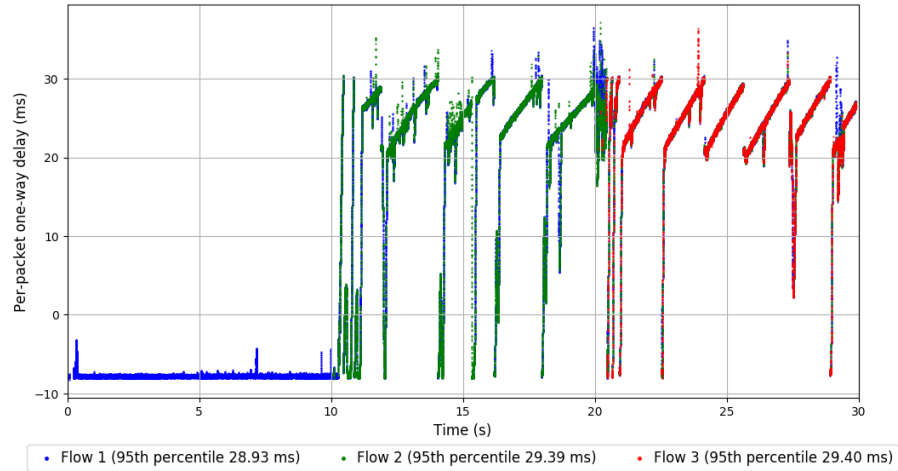
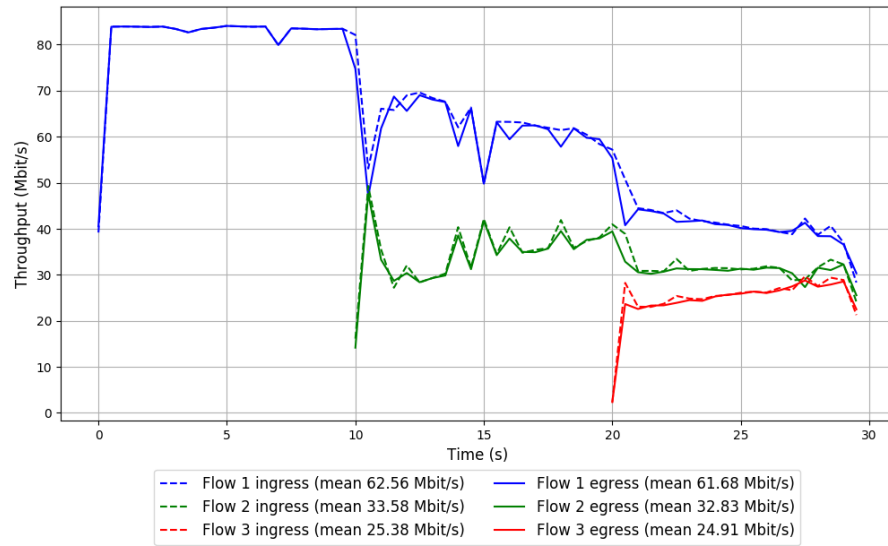


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-17 03:16:12
End at: 2018-01-17 03:16:42
Local clock offset: 1.402 ms
Remote clock offset: -16.736 ms

Below is generated by plot.py at 2018-01-17 06:45:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 29.142 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 28.933 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 29.389 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 29.397 ms
Loss rate: 1.80%

Run 3: Report of QUIC Cubic — Data Link

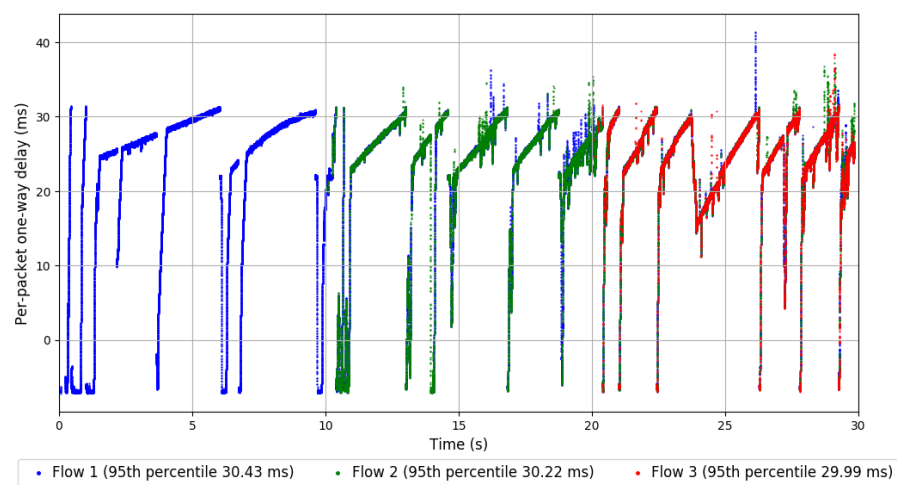
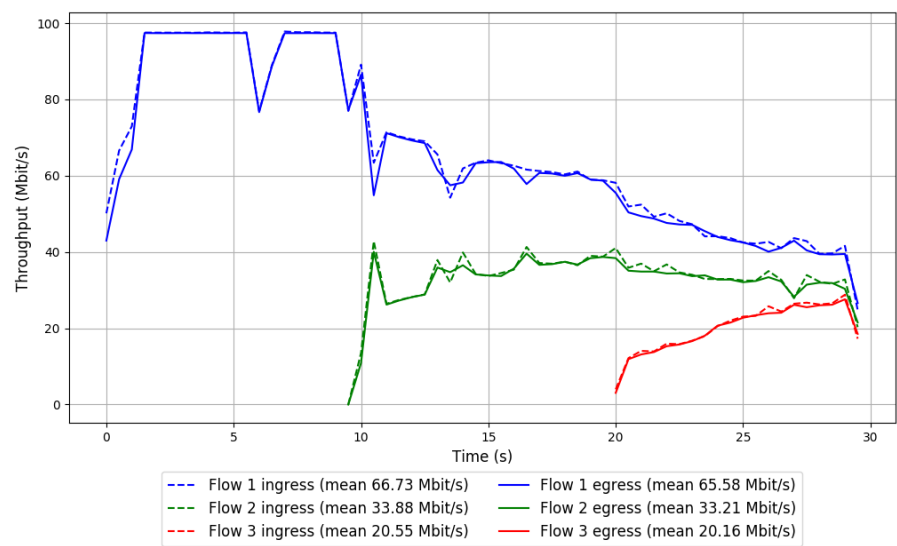


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-17 03:37:51
End at: 2018-01-17 03:38:21
Local clock offset: 0.107 ms
Remote clock offset: -18.809 ms

Below is generated by plot.py at 2018-01-17 06:45:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 30.362 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 30.430 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 30.219 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 1.92%

Run 4: Report of QUIC Cubic — Data Link

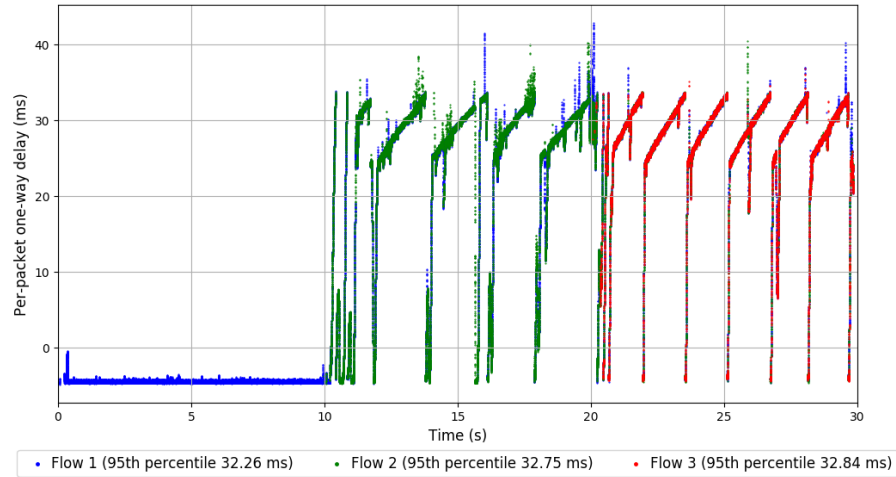
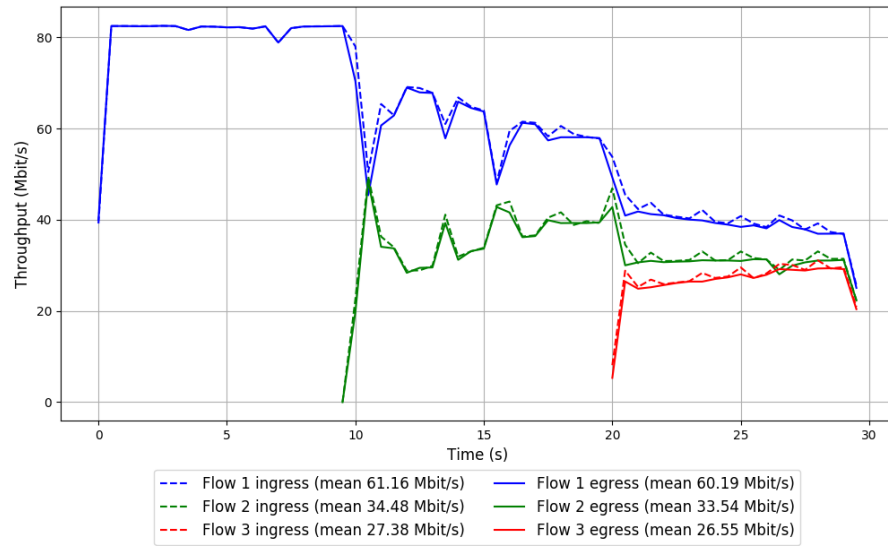


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-17 03:59:37
End at: 2018-01-17 04:00:07
Local clock offset: -0.249 ms
Remote clock offset: -18.047 ms

Below is generated by plot.py at 2018-01-17 06:45:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 32.508 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 32.259 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 32.753 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 32.844 ms
Loss rate: 3.11%

Run 5: Report of QUIC Cubic — Data Link

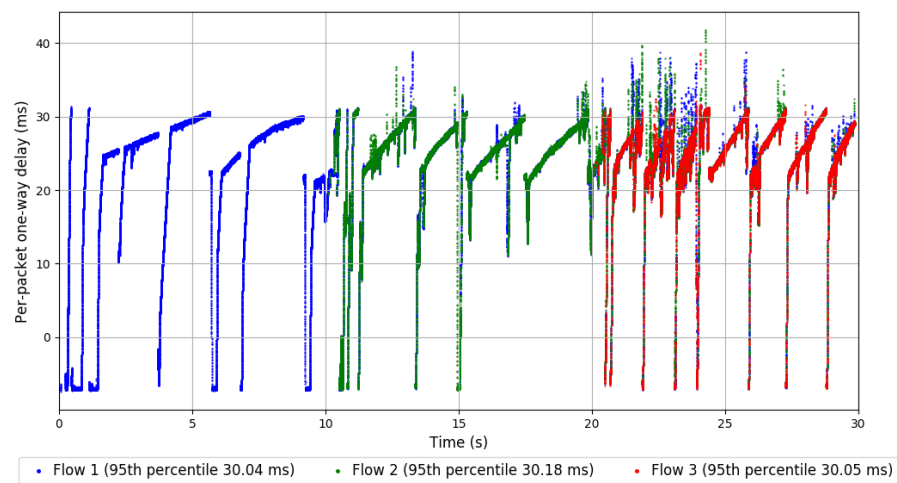
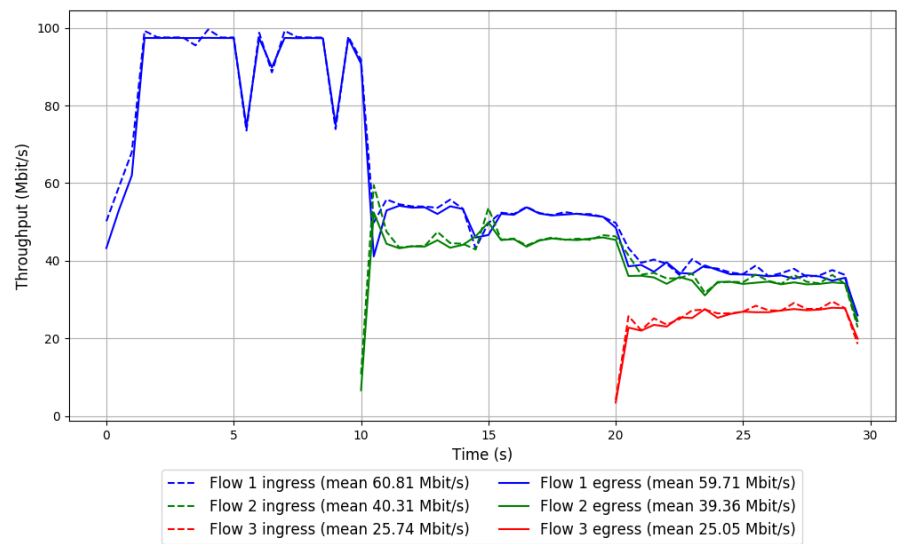


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-17 04:21:28
End at: 2018-01-17 04:21:58
Local clock offset: -3.88 ms
Remote clock offset: -26.012 ms

Below is generated by plot.py at 2018-01-17 06:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 30.091 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 30.041 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 30.185 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 30.050 ms
Loss rate: 2.62%

Run 6: Report of QUIC Cubic — Data Link

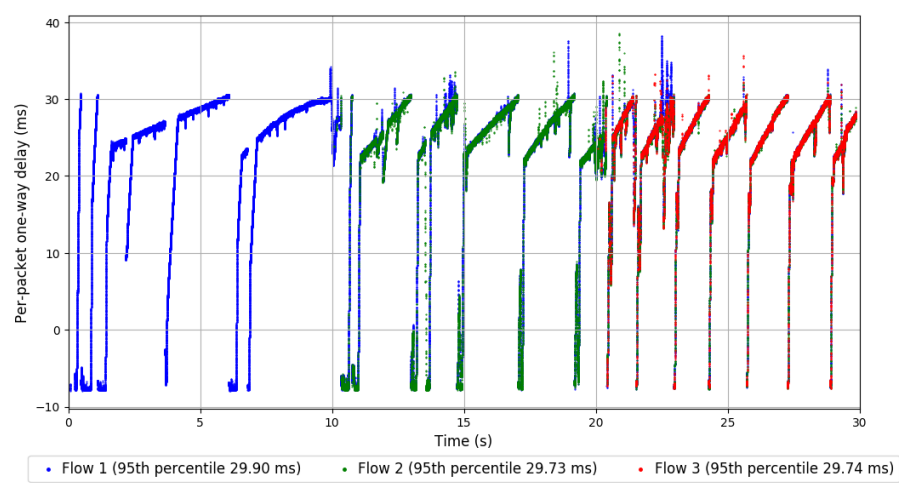
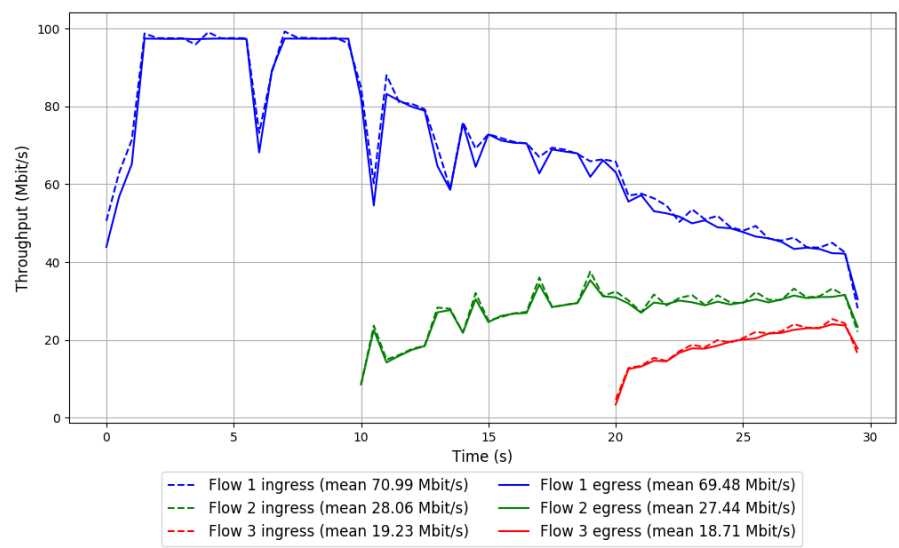


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-17 04:42:59
End at: 2018-01-17 04:43:29
Local clock offset: 0.997 ms
Remote clock offset: -20.36 ms

Below is generated by plot.py at 2018-01-17 06:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 29.867 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 29.904 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 29.729 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 29.736 ms
Loss rate: 2.65%

Run 7: Report of QUIC Cubic — Data Link

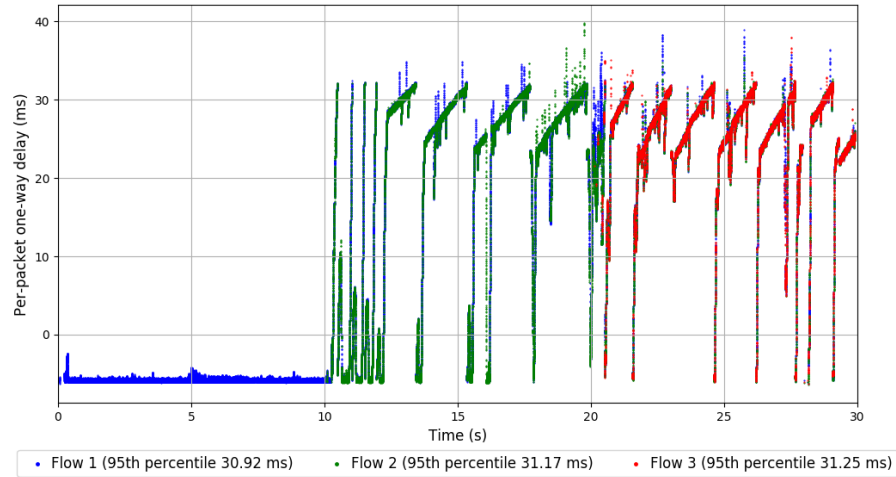
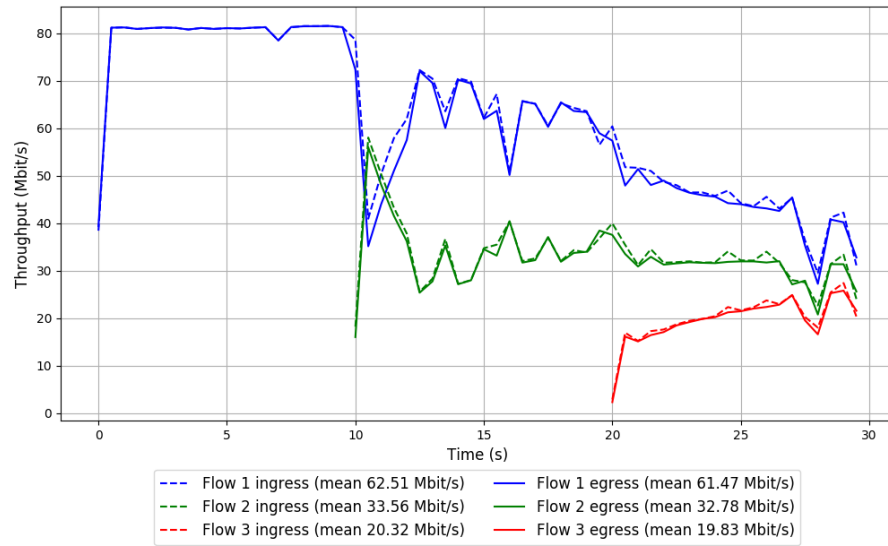


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 05:05:15
End at: 2018-01-17 05:05:45
Local clock offset: -0.675 ms
Remote clock offset: -21.079 ms

Below is generated by plot.py at 2018-01-17 06:45:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 30.918 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 31.170 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 31.248 ms
Loss rate: 2.36%

Run 8: Report of QUIC Cubic — Data Link

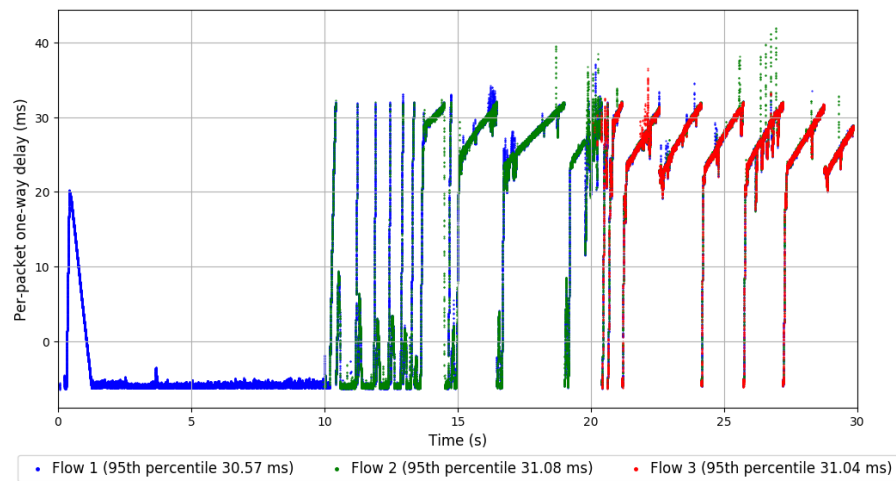
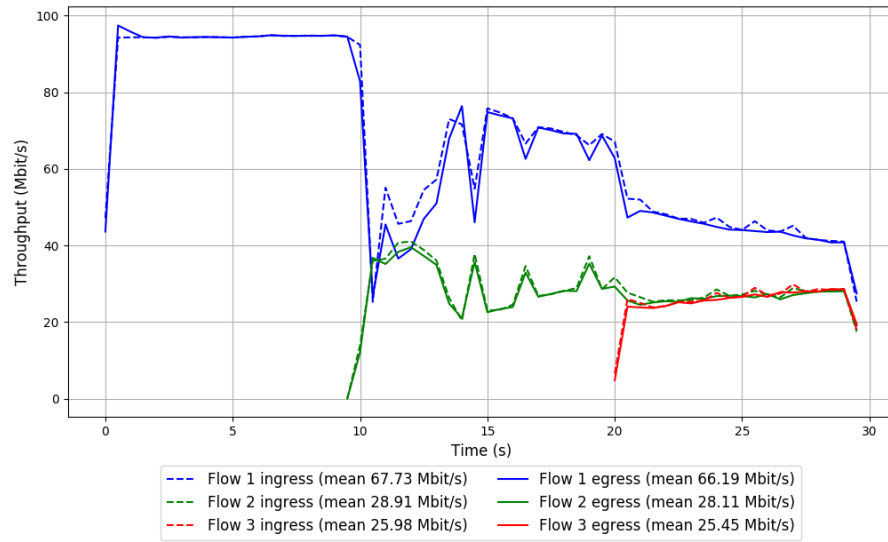


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 05:27:32
End at: 2018-01-17 05:28:02
Local clock offset: -1.467 ms
Remote clock offset: -22.021 ms

Below is generated by plot.py at 2018-01-17 06:46:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 30.740 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 30.571 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 31.083 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 31.038 ms
Loss rate: 2.03%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 05:49:19

End at: 2018-01-17 05:49:49

Local clock offset: 0.638 ms

Remote clock offset: -20.984 ms

Below is generated by plot.py at 2018-01-17 06:46:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 30.528 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 68.89 Mbit/s

95th percentile per-packet one-way delay: 30.579 ms

Loss rate: 1.92%

-- Flow 2:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 30.340 ms

Loss rate: 2.03%

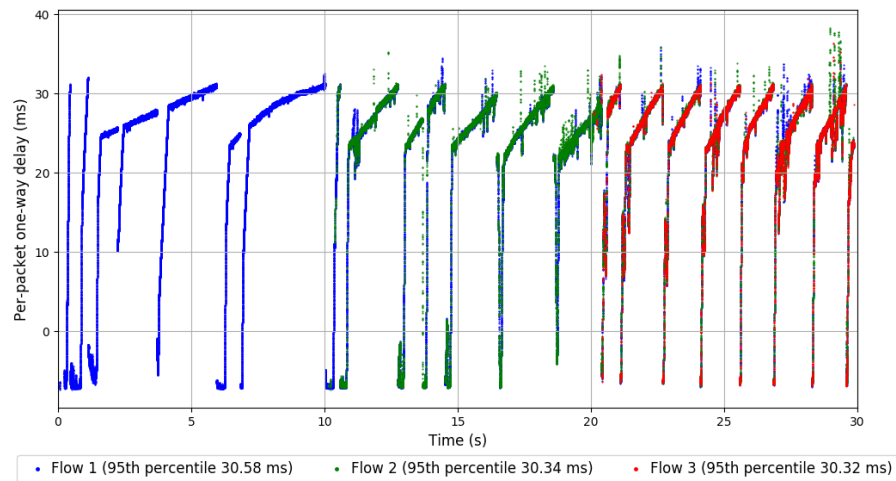
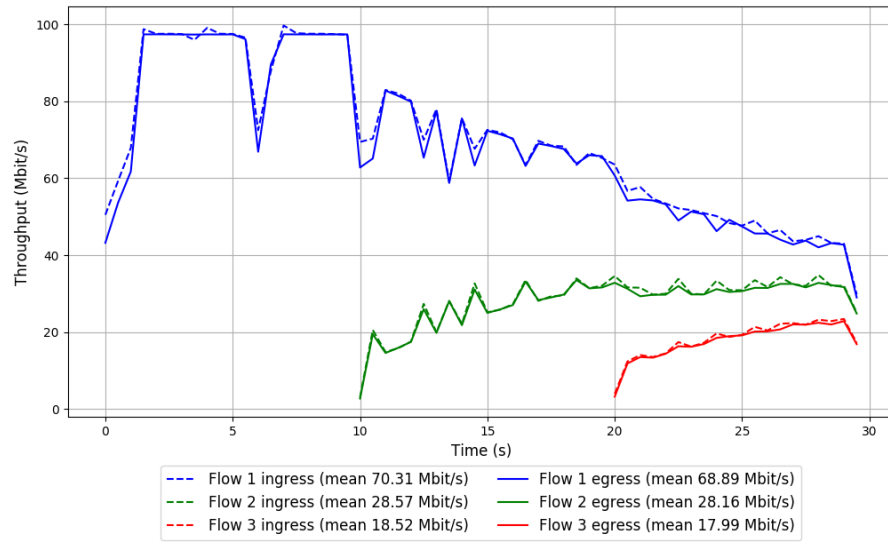
-- Flow 3:

Average throughput: 17.99 Mbit/s

95th percentile per-packet one-way delay: 30.320 ms

Loss rate: 2.88%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

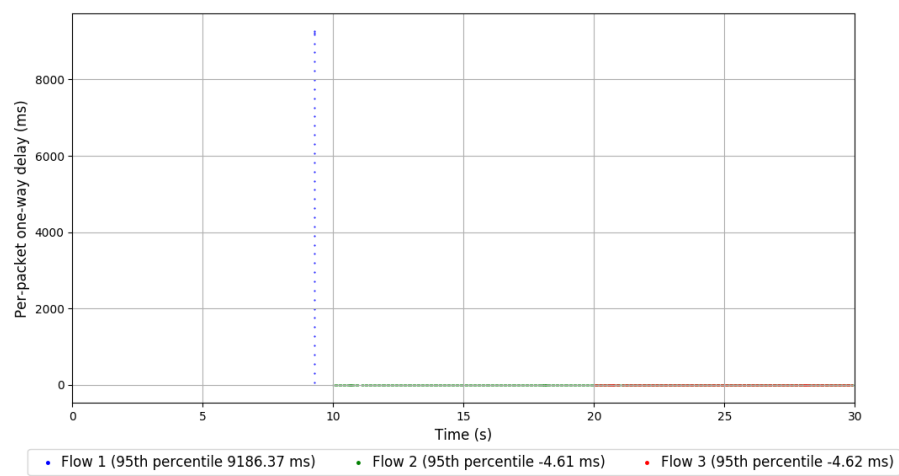
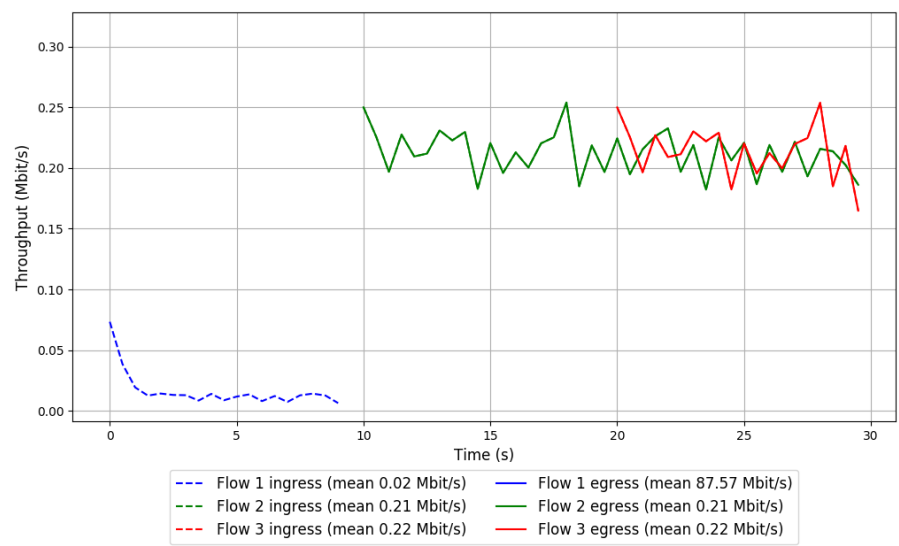
Start at: 2018-01-17 02:41:08

End at: 2018-01-17 02:41:38

Local clock offset: -3.408 ms

Remote clock offset: -17.824 ms

Run 1: Report of SReAM — Data Link

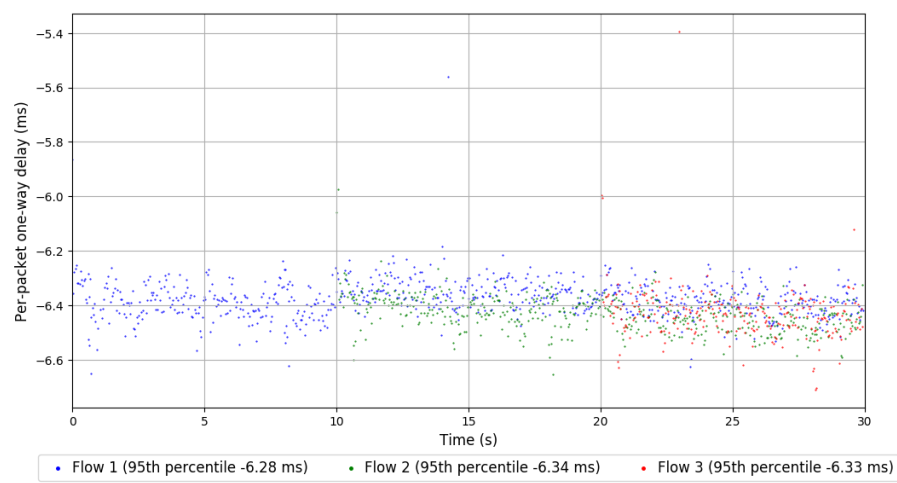
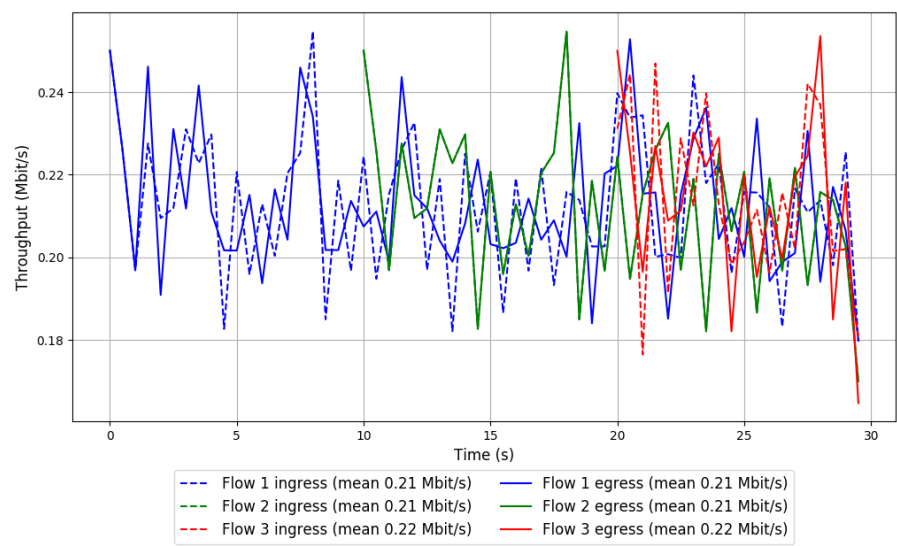


Run 2: Statistics of SReAM

Start at: 2018-01-17 03:02:54
End at: 2018-01-17 03:03:24
Local clock offset: -1.689 ms
Remote clock offset: -17.971 ms

Below is generated by plot.py at 2018-01-17 06:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.277 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.343 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.328 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

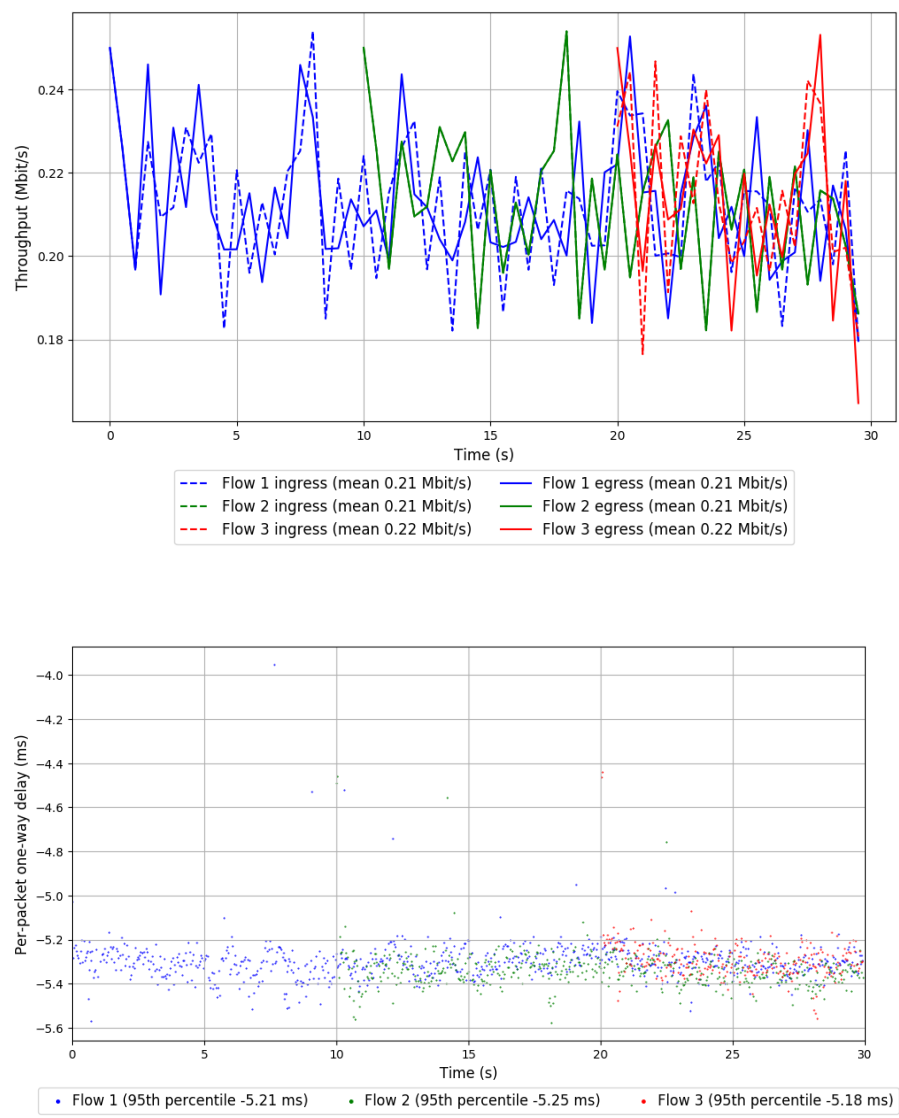


Run 3: Statistics of SCReAM

Start at: 2018-01-17 03:24:31
End at: 2018-01-17 03:25:01
Local clock offset: -0.256 ms
Remote clock offset: -16.339 ms

Below is generated by plot.py at 2018-01-17 06:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -5.206 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.207 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.246 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.181 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

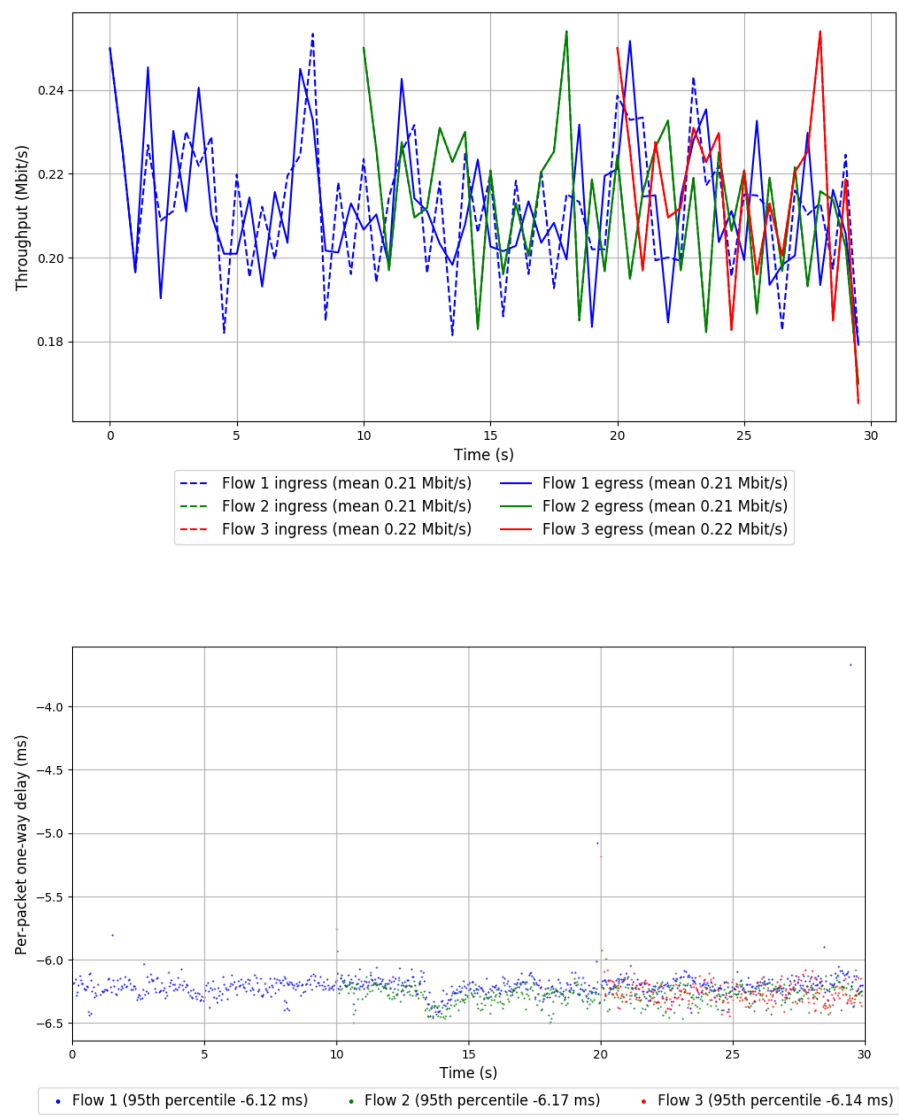


Run 4: Statistics of SReAM

Start at: 2018-01-17 03:46:13
End at: 2018-01-17 03:46:43
Local clock offset: 1.142 ms
Remote clock offset: -17.847 ms

Below is generated by plot.py at 2018-01-17 06:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -6.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.142 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

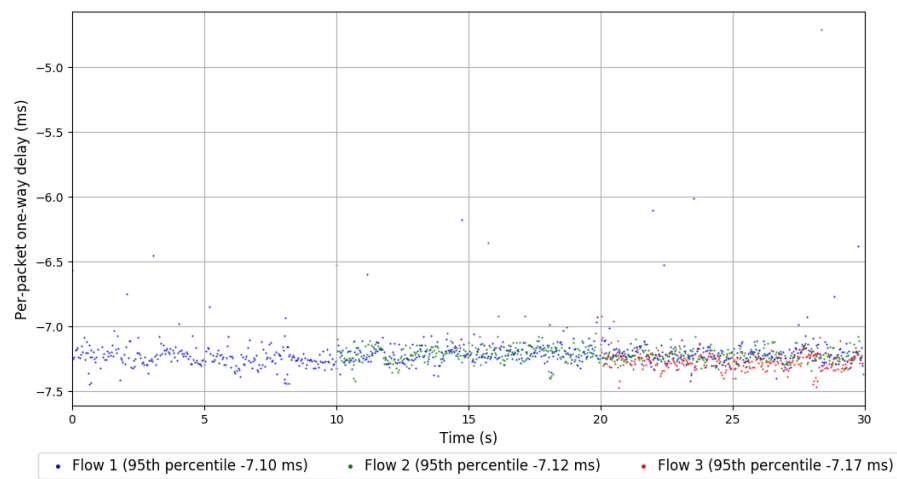
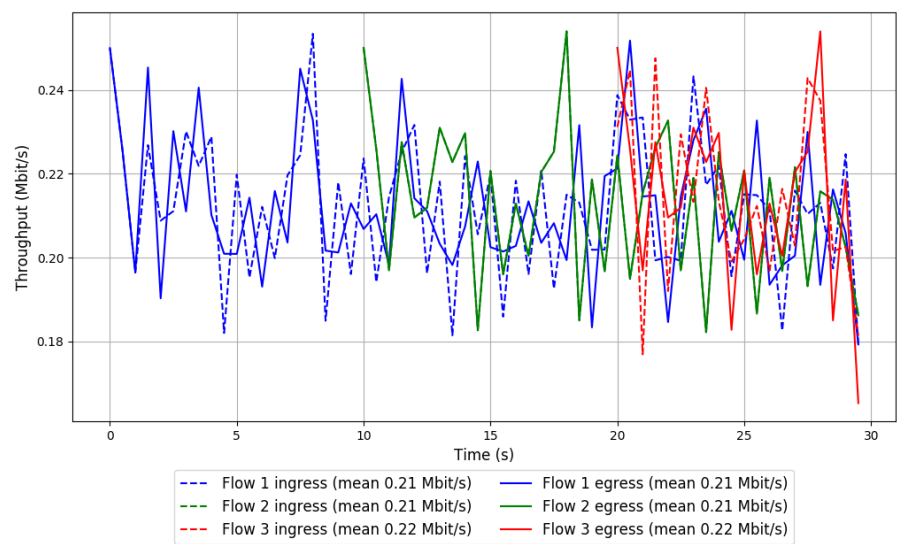


Run 5: Statistics of SReAM

Start at: 2018-01-17 04:07:56
End at: 2018-01-17 04:08:26
Local clock offset: 0.9 ms
Remote clock offset: -20.195 ms

Below is generated by plot.py at 2018-01-17 06:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -7.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.103 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.117 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.174 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

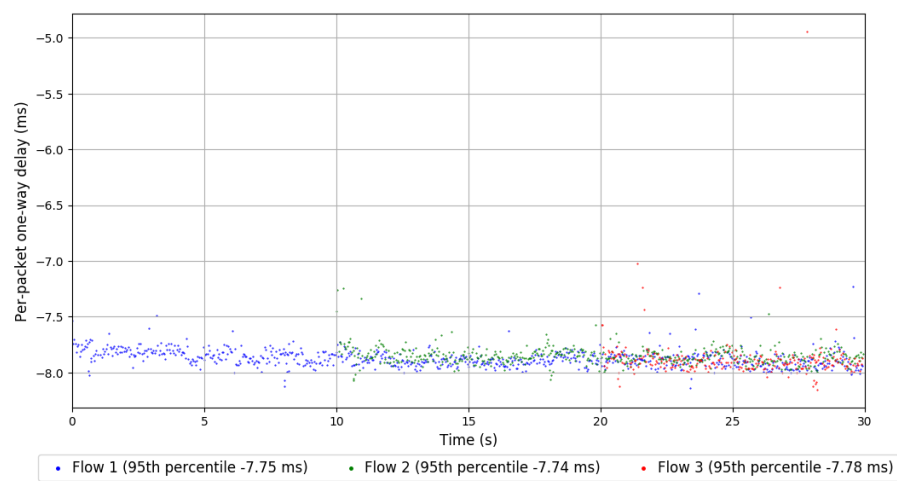
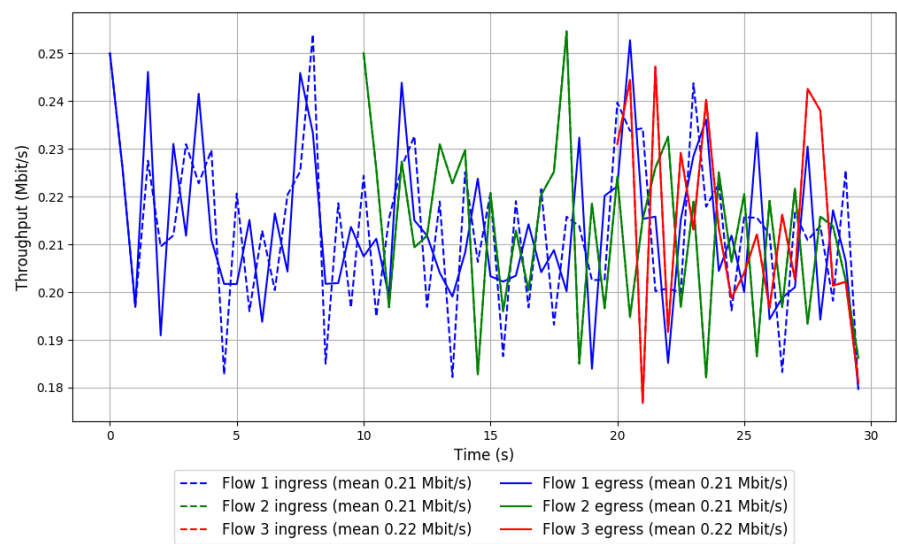


Run 6: Statistics of SReAM

Start at: 2018-01-17 04:29:42
End at: 2018-01-17 04:30:12
Local clock offset: 0.96 ms
Remote clock offset: -21.577 ms

Below is generated by plot.py at 2018-01-17 06:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -7.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.779 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

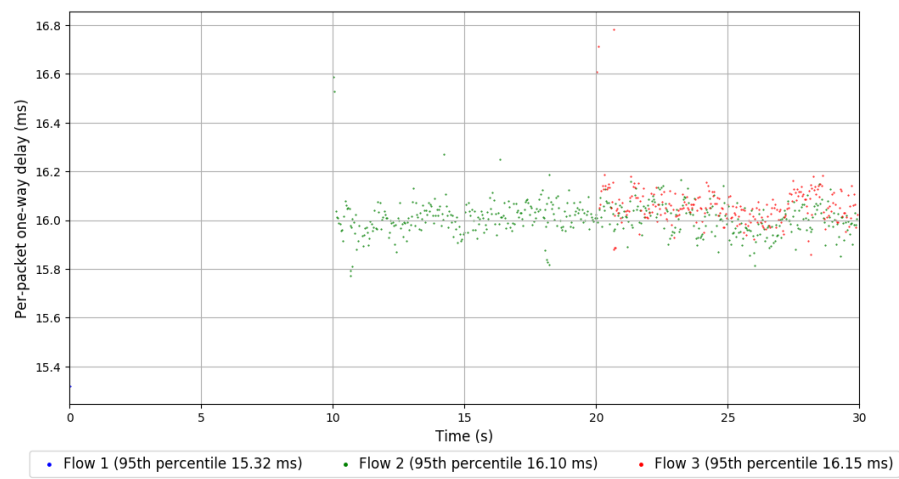
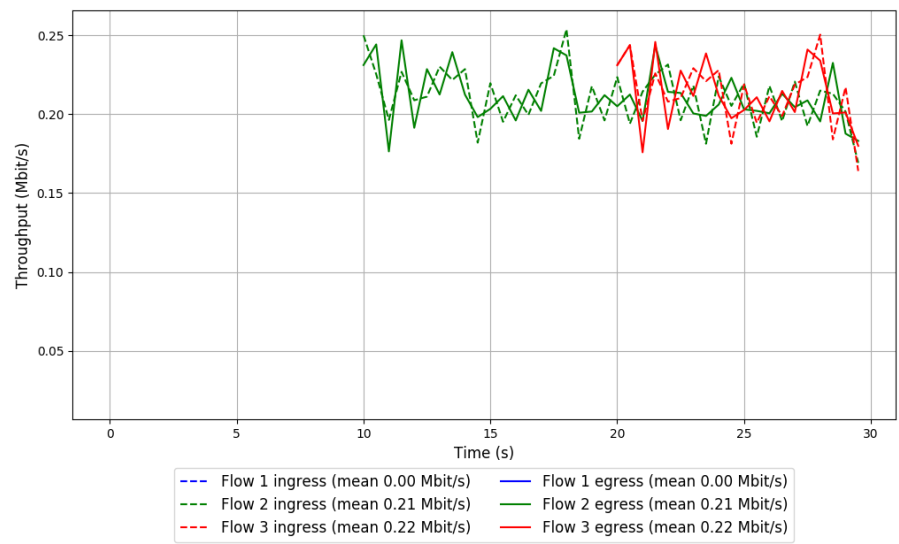


Run 7: Statistics of SReAM

Start at: 2018-01-17 04:51:34
End at: 2018-01-17 04:52:04
Local clock offset: -3.814 ms
Remote clock offset: -2.573 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 15.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.147 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

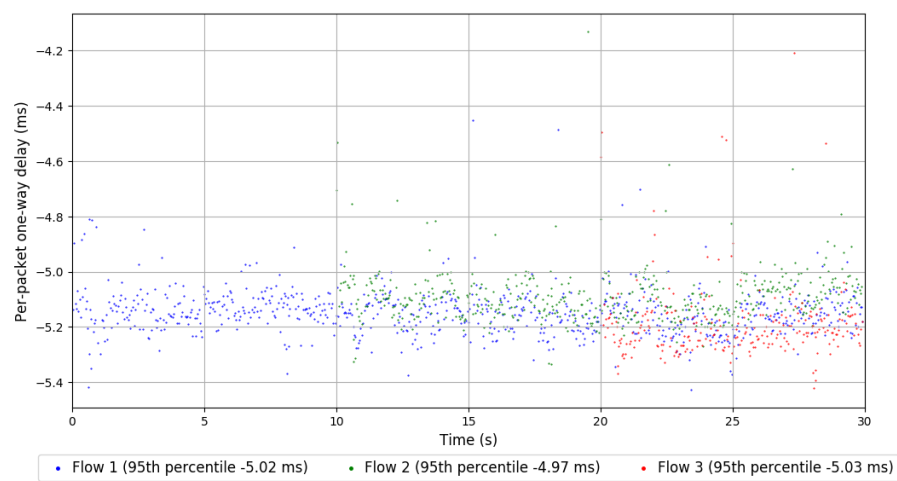
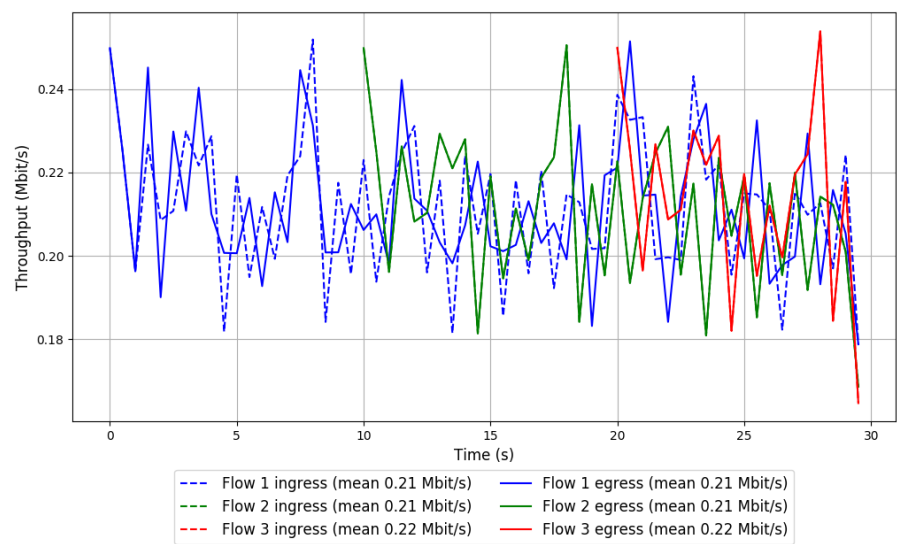


Run 8: Statistics of SReAM

Start at: 2018-01-17 05:13:53
End at: 2018-01-17 05:14:23
Local clock offset: -1.085 ms
Remote clock offset: -20.476 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -4.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.975 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.028 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

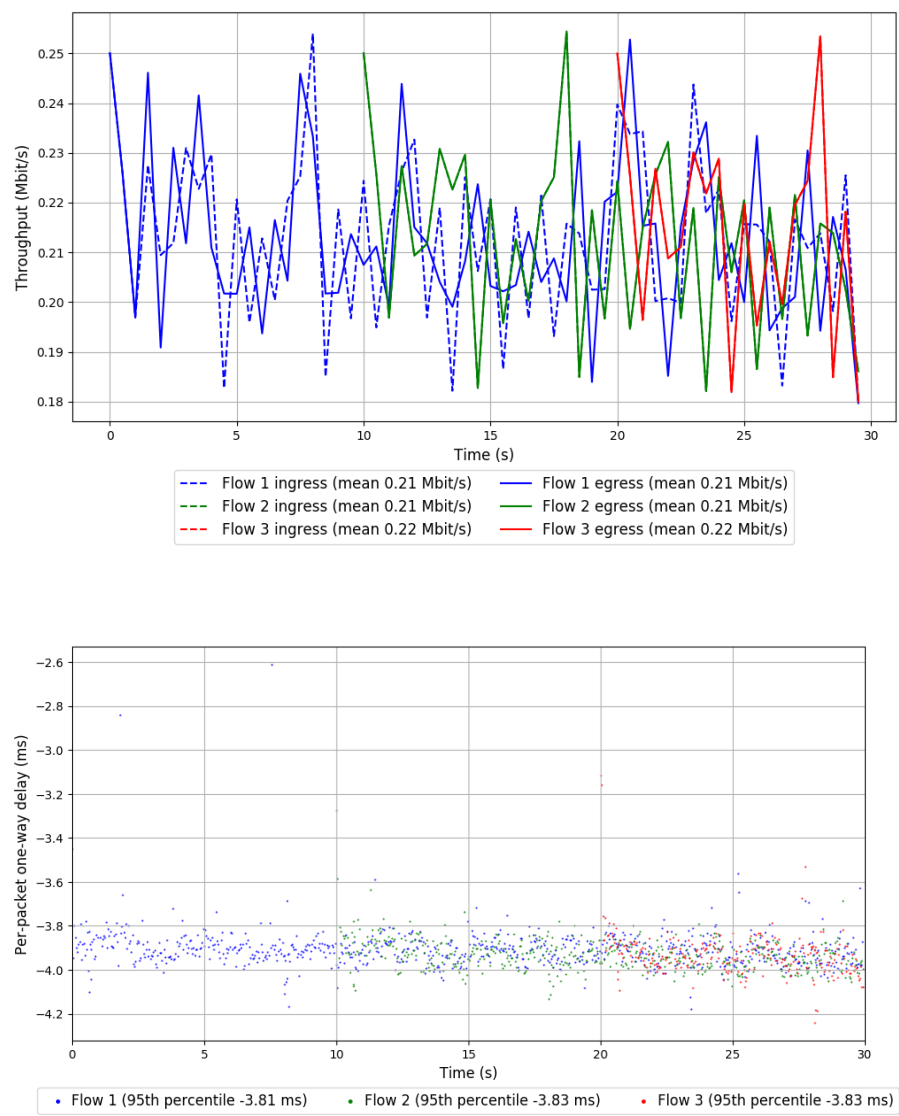


Run 9: Statistics of SReAM

Start at: 2018-01-17 05:35:59
End at: 2018-01-17 05:36:29
Local clock offset: -2.518 ms
Remote clock offset: -20.748 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -3.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.827 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

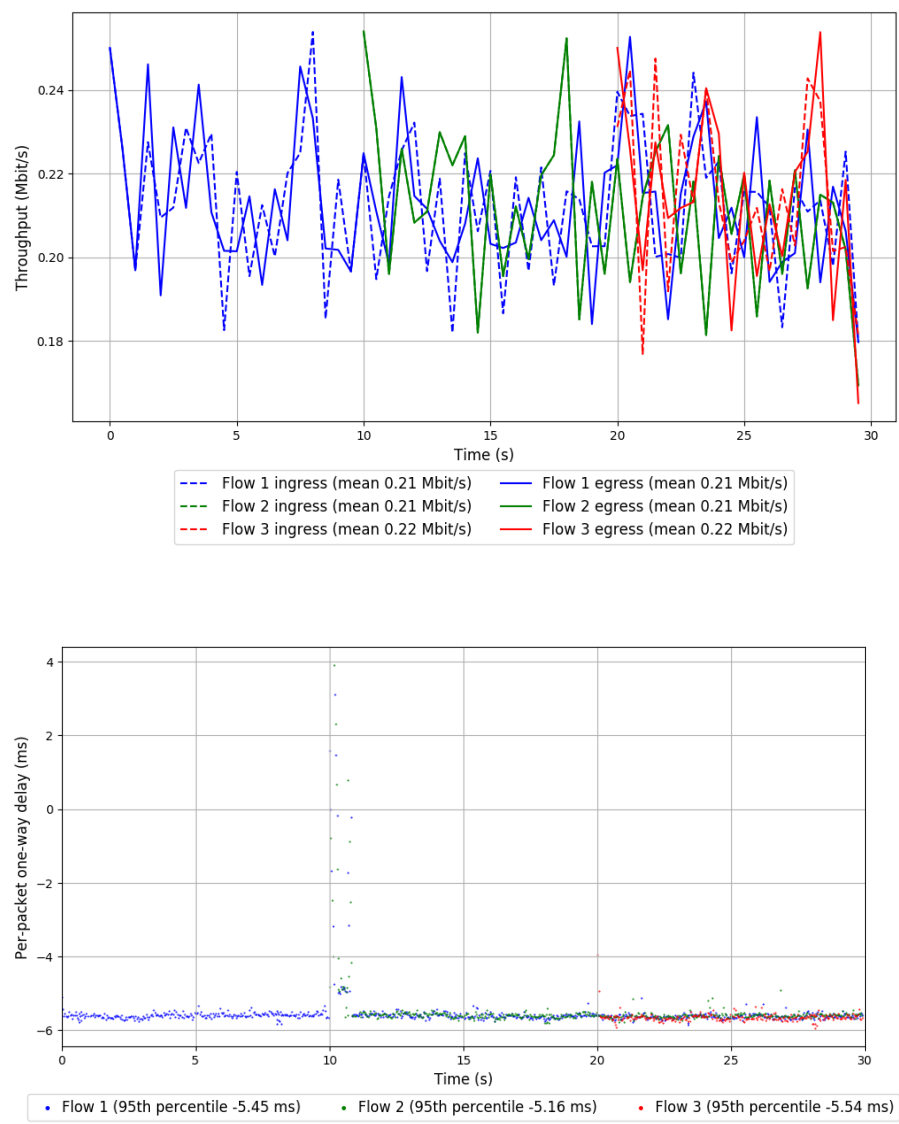


Run 10: Statistics of SReAM

Start at: 2018-01-17 05:57:48
End at: 2018-01-17 05:58:18
Local clock offset: -1.46 ms
Remote clock offset: -21.789 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -5.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.452 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.539 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

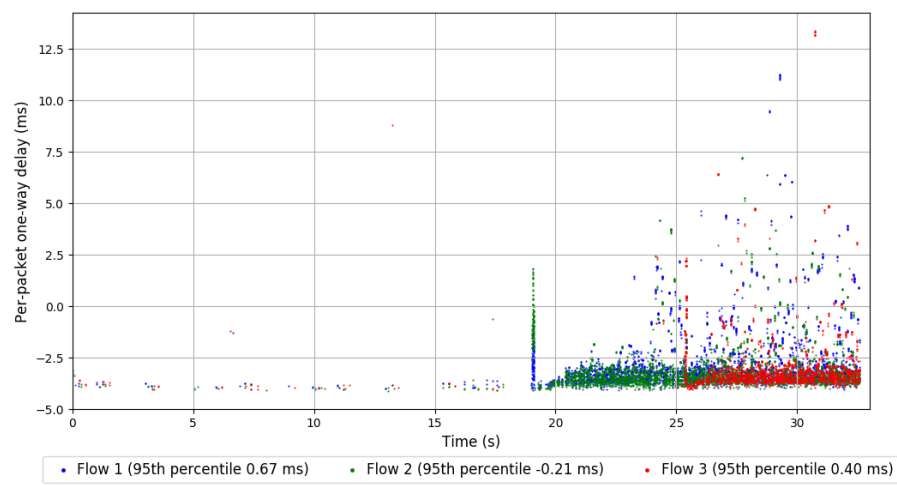
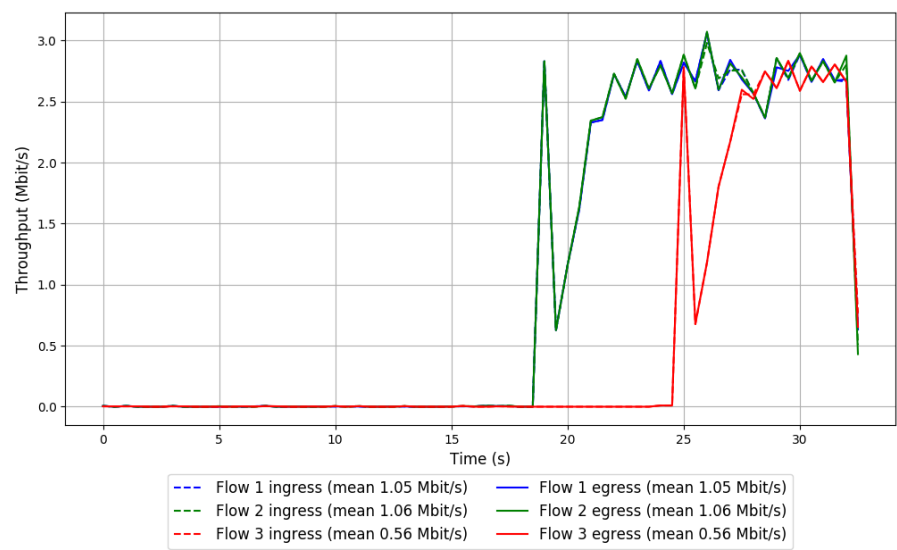


Run 1: Statistics of WebRTC media

Start at: 2018-01-17 02:34:49
End at: 2018-01-17 02:35:19
Local clock offset: -4.097 ms
Remote clock offset: -17.194 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 0.104 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 0.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: -0.210 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 0.396 ms
Loss rate: 0.31%

Run 1: Report of WebRTC media — Data Link

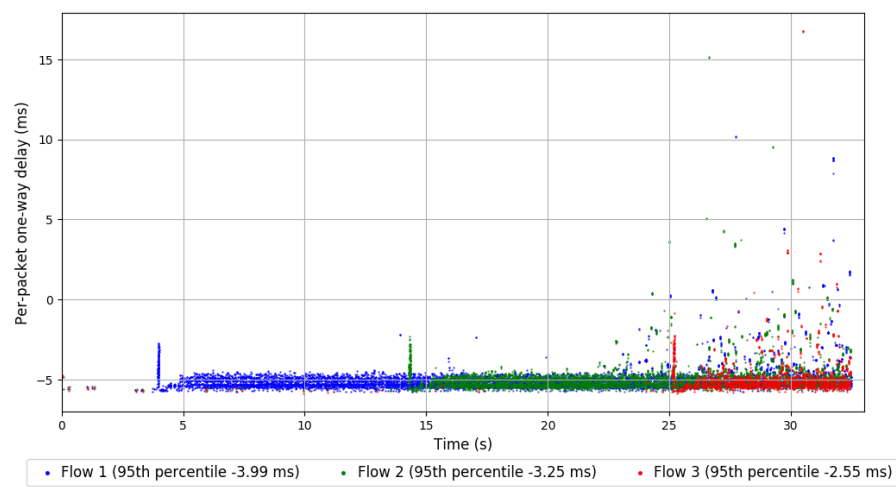
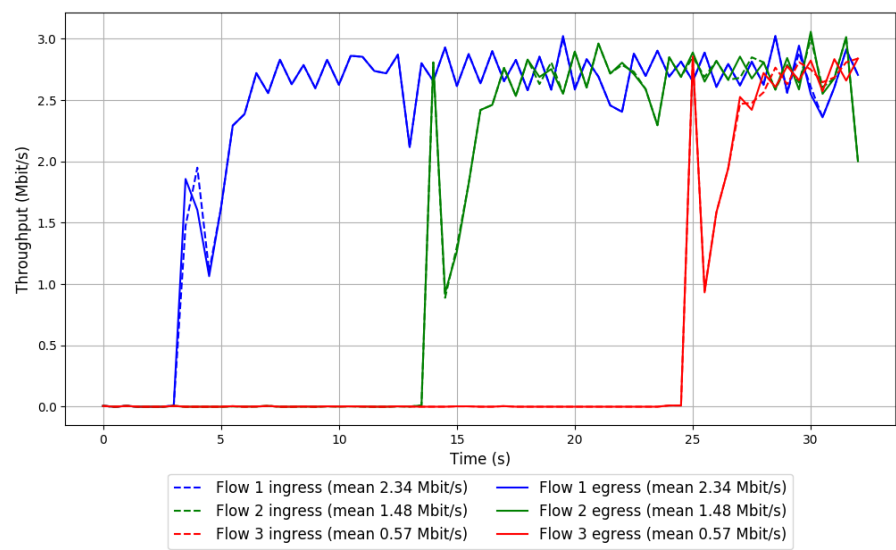


Run 2: Statistics of WebRTC media

Start at: 2018-01-17 02:56:59
End at: 2018-01-17 02:57:29
Local clock offset: -2.301 ms
Remote clock offset: -17.656 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: -3.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -3.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -3.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: -2.550 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

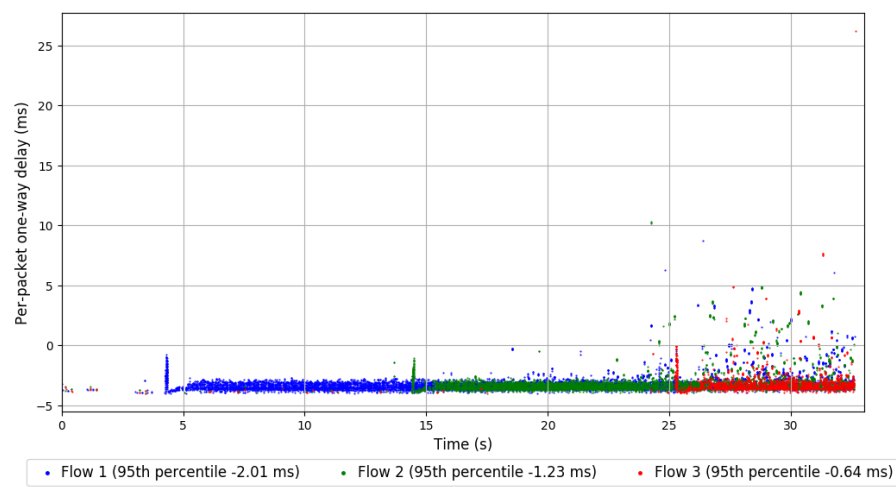
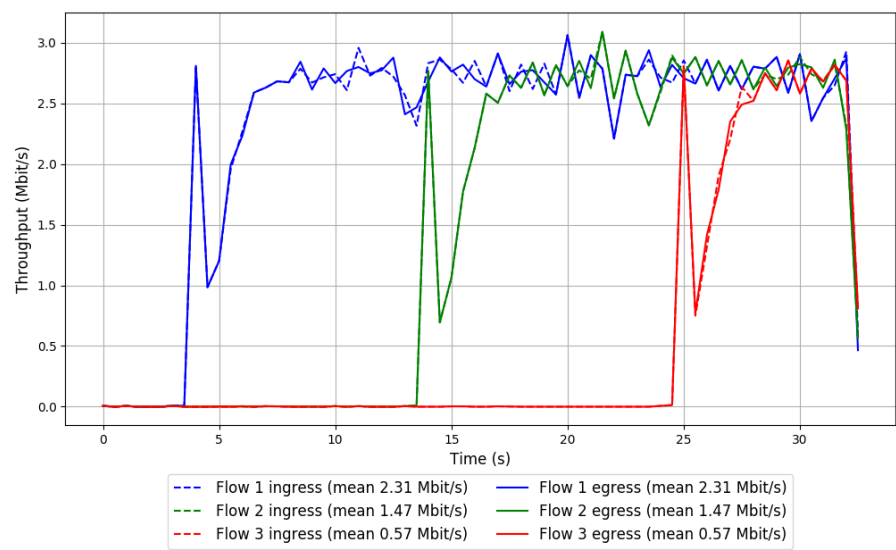


Run 3: Statistics of WebRTC media

Start at: 2018-01-17 03:18:33
End at: 2018-01-17 03:19:03
Local clock offset: -2.59 ms
Remote clock offset: -16.551 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -1.502 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -2.009 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -1.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: -0.643 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

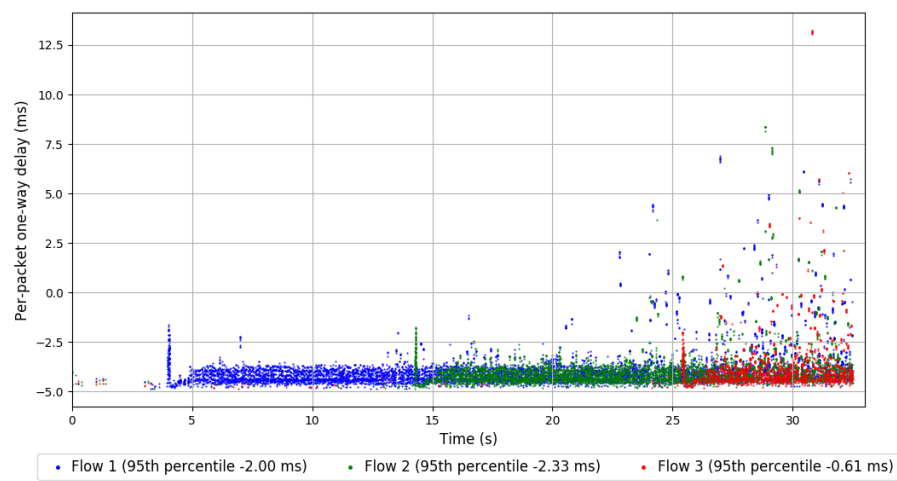
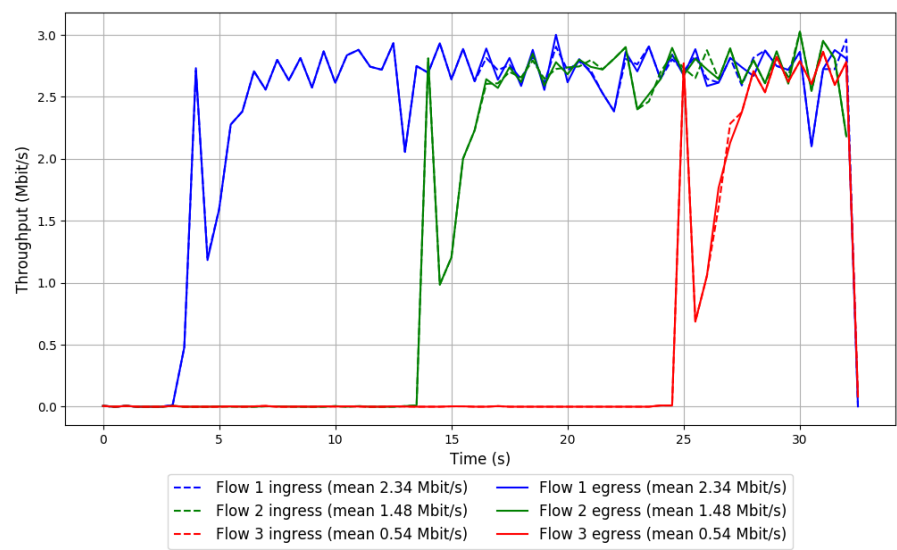


Run 4: Statistics of WebRTC media

Start at: 2018-01-17 03:40:14
End at: 2018-01-17 03:40:44
Local clock offset: -2.678 ms
Remote clock offset: -19.338 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: -1.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.001 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -2.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -0.614 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

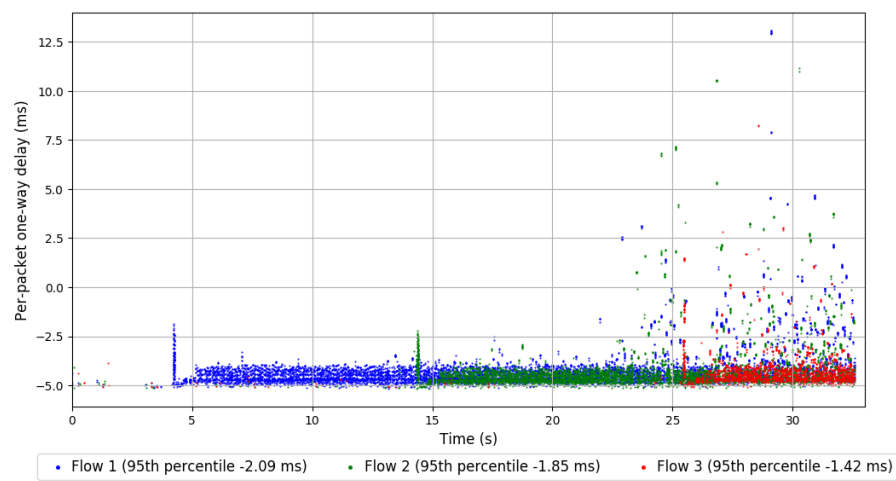
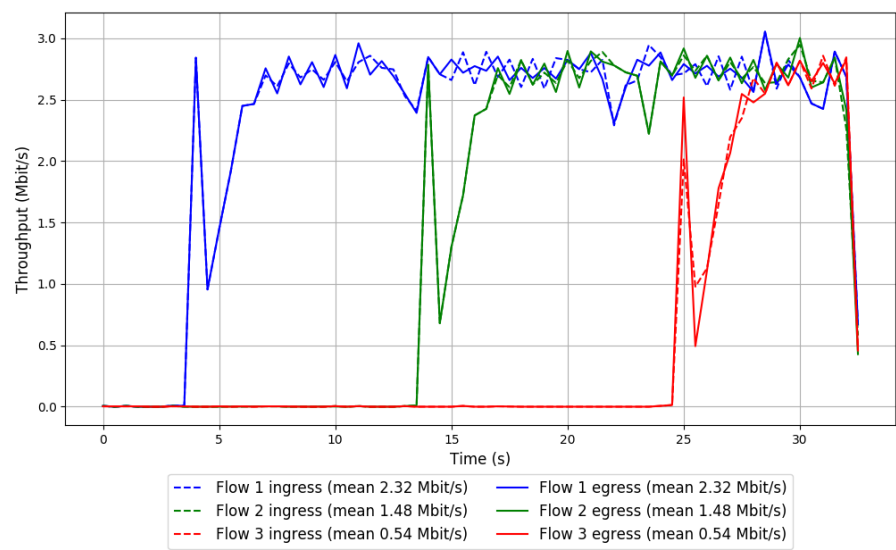


Run 5: Statistics of WebRTC media

Start at: 2018-01-17 04:02:01
End at: 2018-01-17 04:02:31
Local clock offset: -1.705 ms
Remote clock offset: -19.774 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: -1.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -2.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -1.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -1.419 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

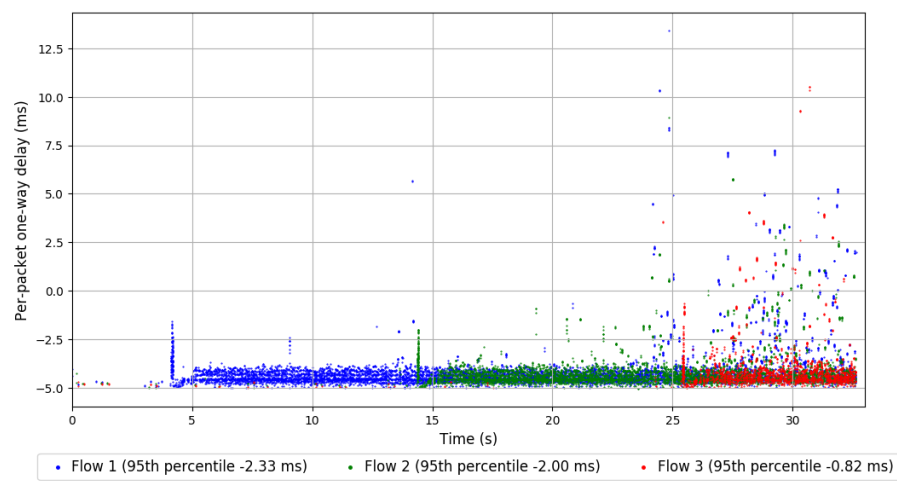
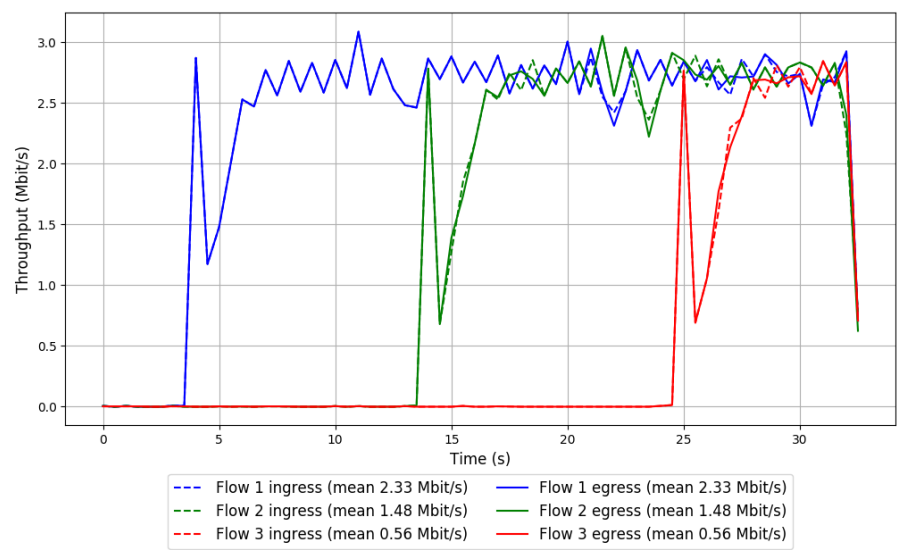


Run 6: Statistics of WebRTC media

Start at: 2018-01-17 04:23:51
End at: 2018-01-17 04:24:21
Local clock offset: -0.428 ms
Remote clock offset: -20.153 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: -2.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -2.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -1.998 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: -0.822 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

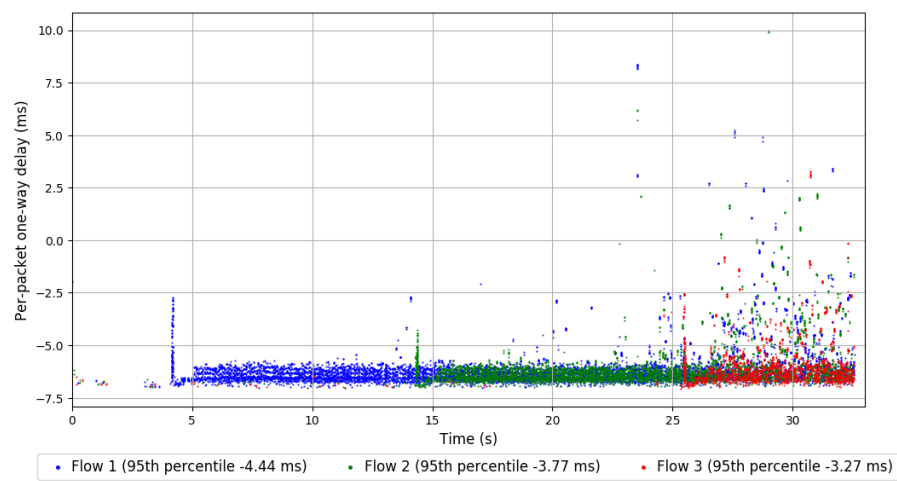
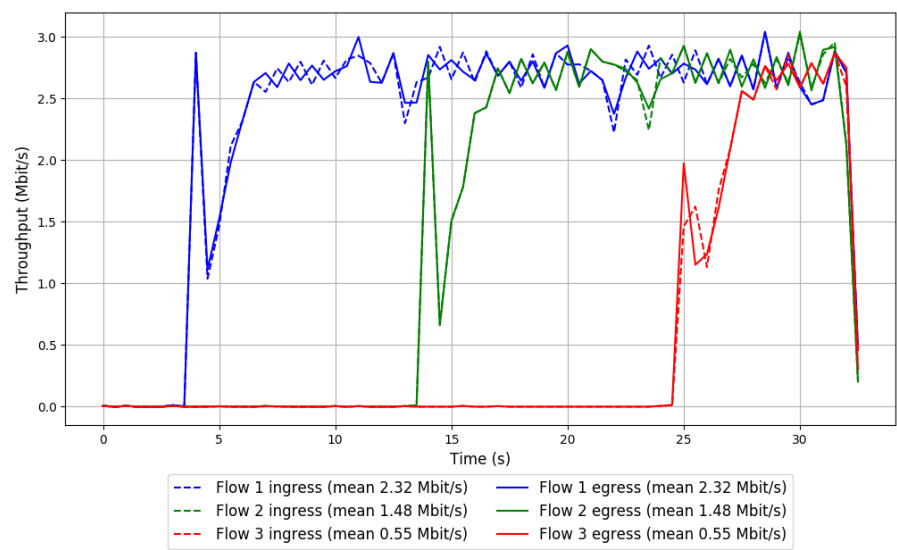


Run 7: Statistics of WebRTC media

Start at: 2018-01-17 04:45:24
End at: 2018-01-17 04:45:54
Local clock offset: 1.516 ms
Remote clock offset: -18.855 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -3.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.440 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -3.765 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -3.274 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

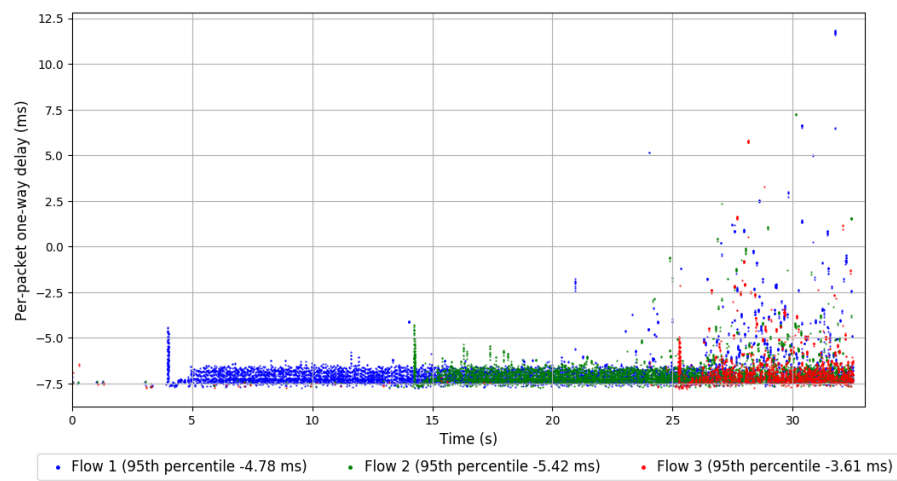
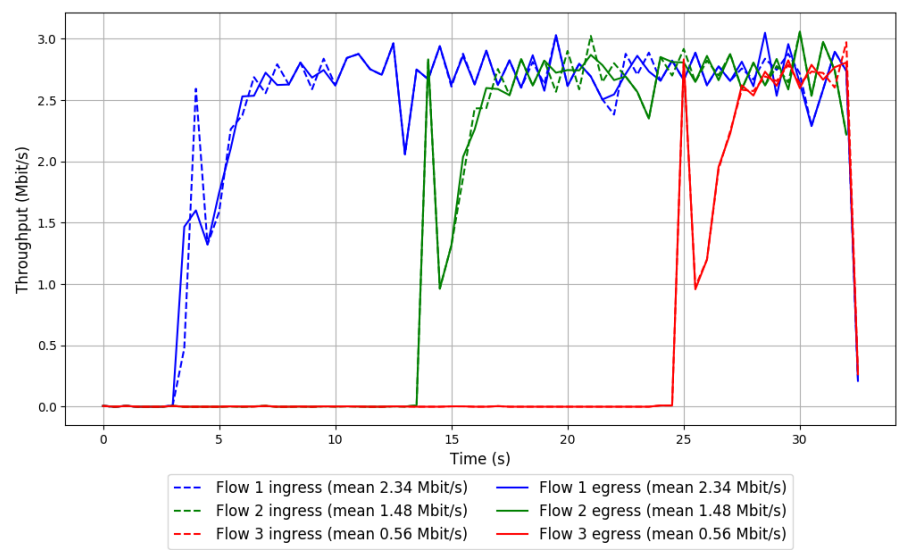


Run 8: Statistics of WebRTC media

Start at: 2018-01-17 05:07:47
End at: 2018-01-17 05:08:17
Local clock offset: 1.727 ms
Remote clock offset: -19.998 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: -4.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -5.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: -3.613 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

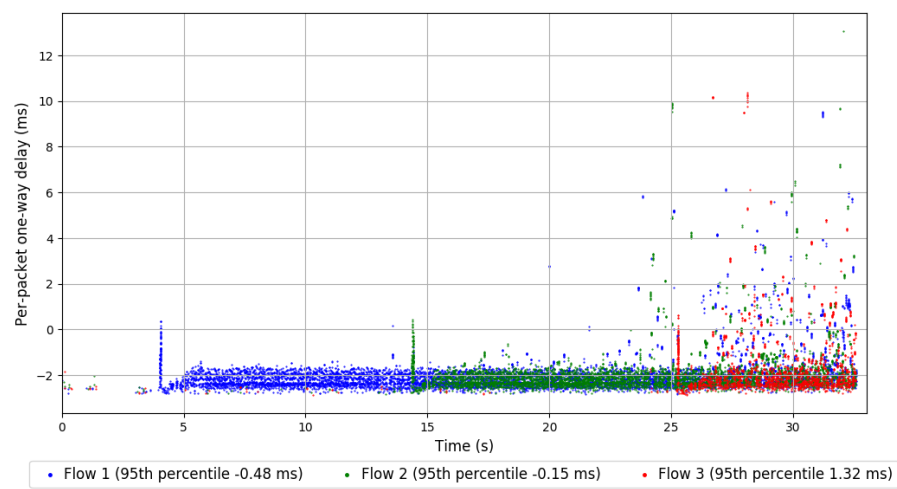
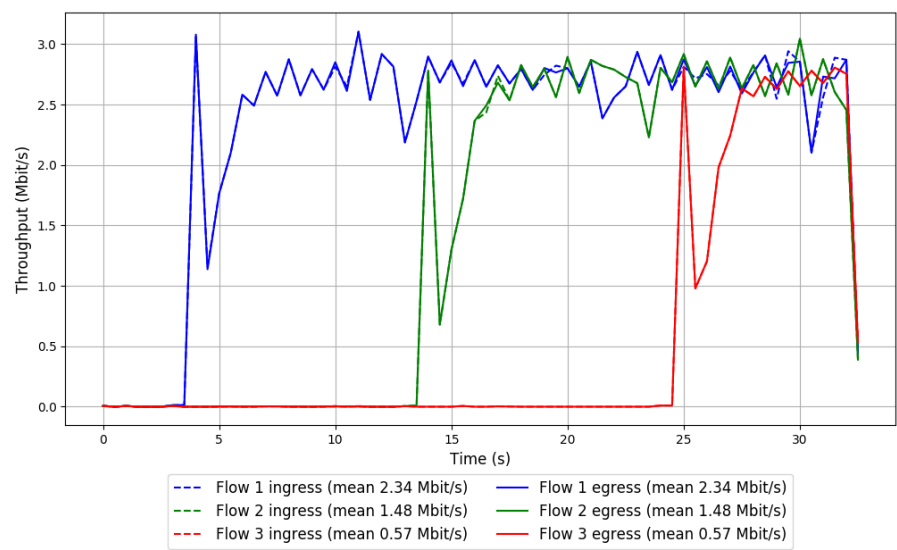


Run 9: Statistics of WebRTC media

Start at: 2018-01-17 05:30:03
End at: 2018-01-17 05:30:33
Local clock offset: -4.335 ms
Remote clock offset: -21.156 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 0.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -0.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -0.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 1.320 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

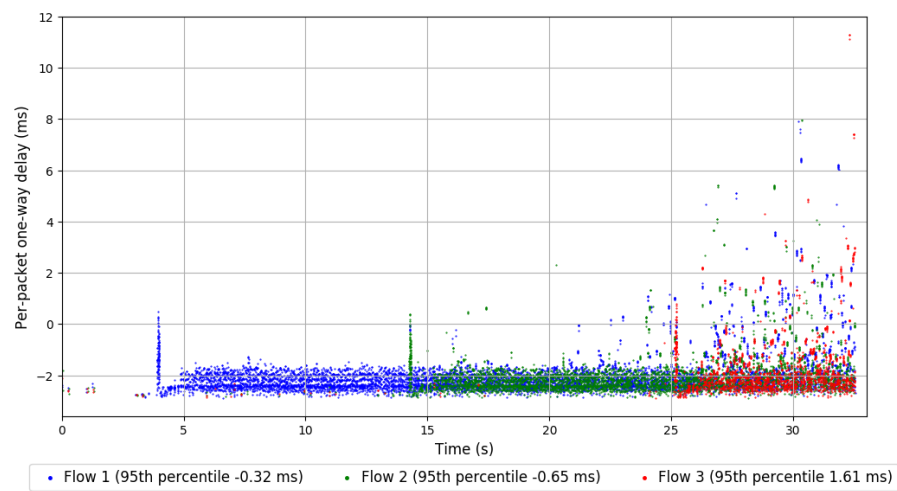
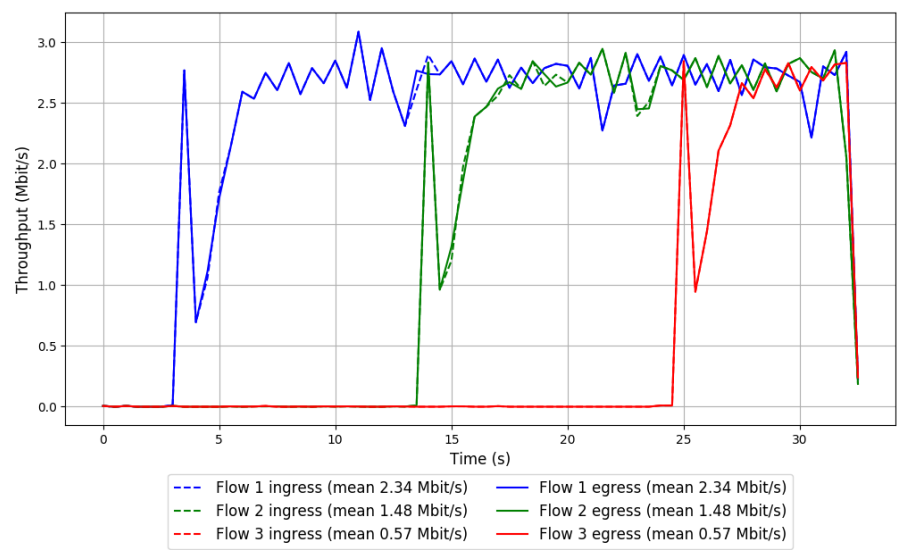


Run 10: Statistics of WebRTC media

Start at: 2018-01-17 05:51:46
End at: 2018-01-17 05:52:16
Local clock offset: -4.385 ms
Remote clock offset: -21.633 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: -0.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -0.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -0.652 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 1.614 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

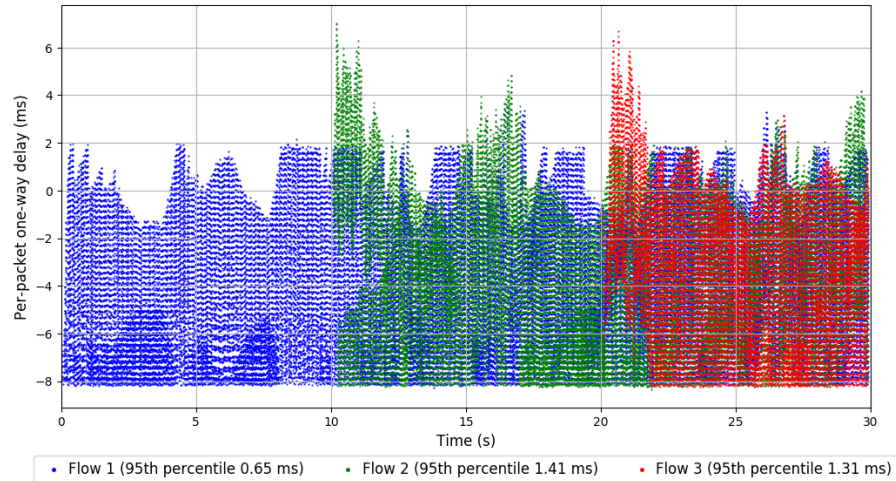
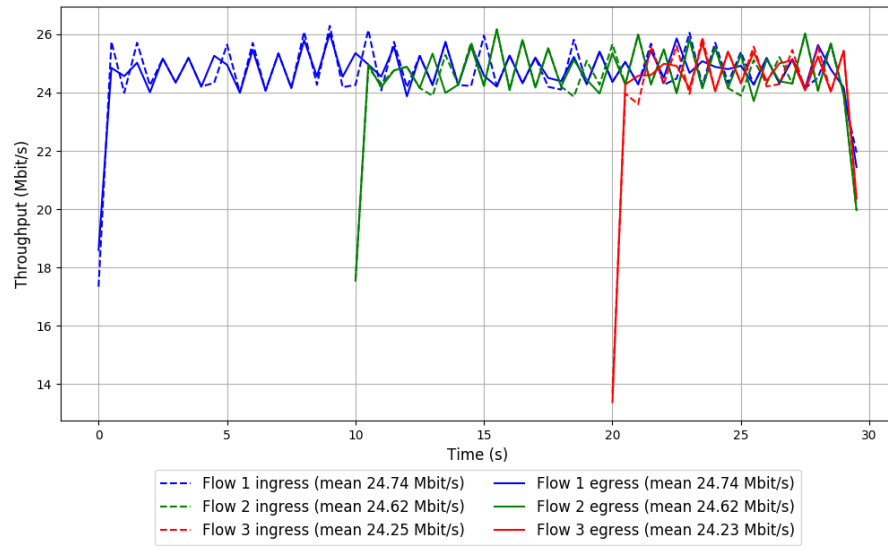


Run 1: Statistics of Sprout

Start at: 2018-01-17 02:31:15
End at: 2018-01-17 02:31:45
Local clock offset: -2.094 ms
Remote clock offset: -19.258 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 0.651 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

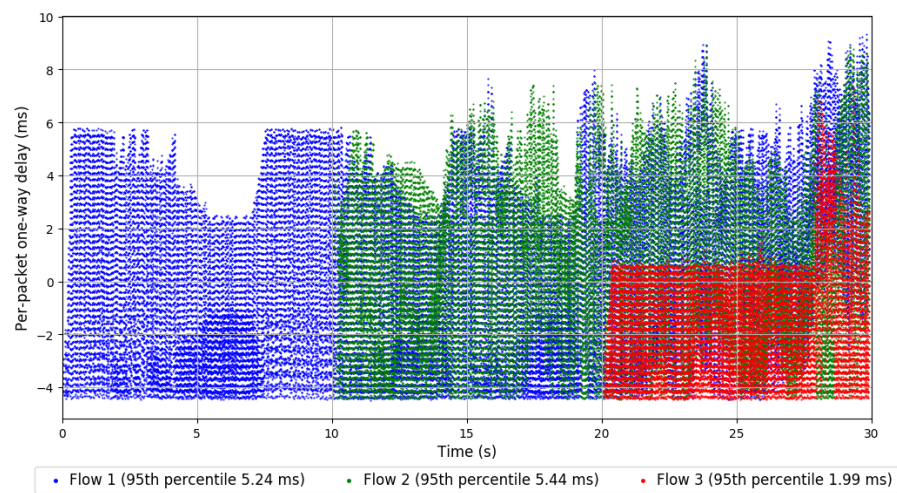
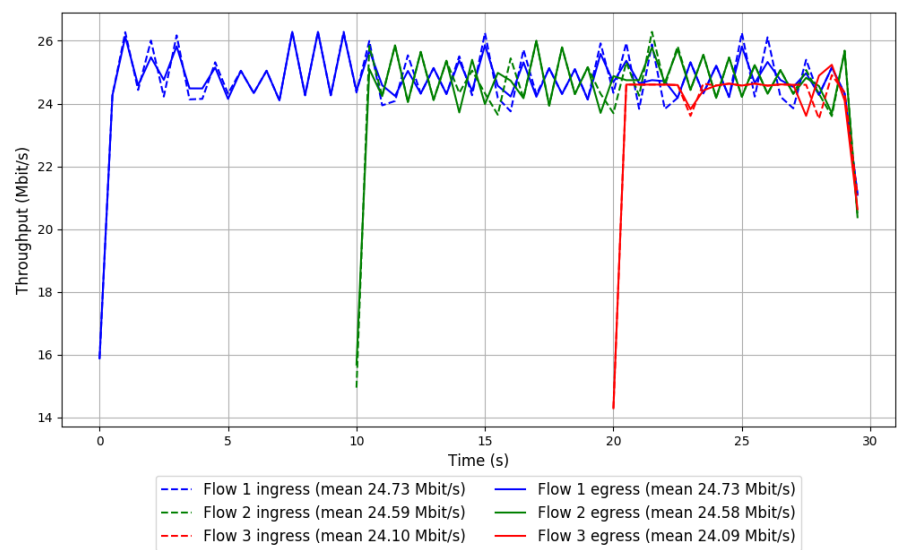


Run 2: Statistics of Sprout

Start at: 2018-01-17 02:53:26
End at: 2018-01-17 02:53:56
Local clock offset: -4.706 ms
Remote clock offset: -18.904 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 5.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 5.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 5.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 1.987 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

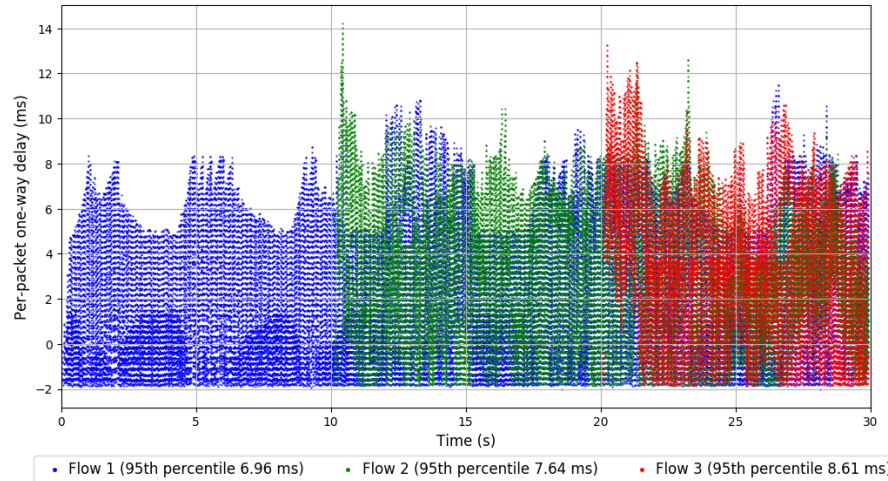
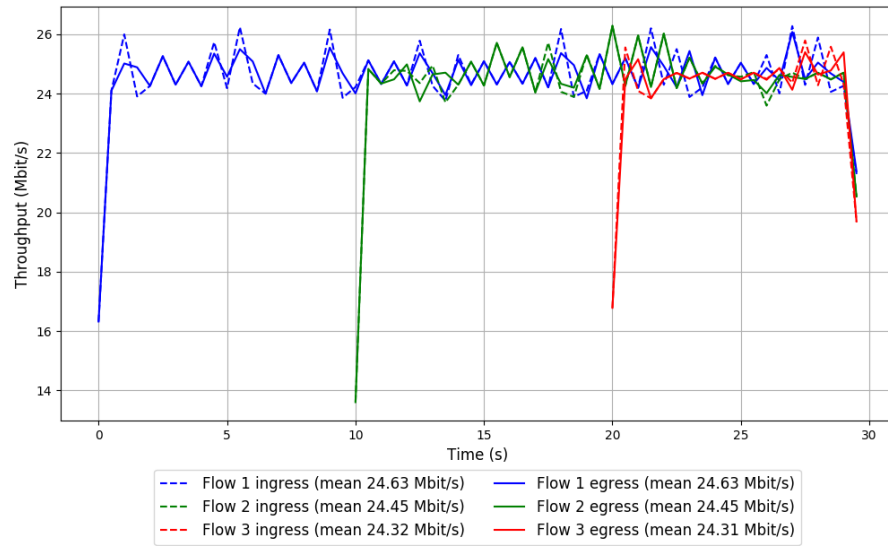


Run 3: Statistics of Sprout

Start at: 2018-01-17 03:15:06
End at: 2018-01-17 03:15:36
Local clock offset: -4.141 ms
Remote clock offset: -15.929 ms

```
# Below is generated by plot.py at 2018-01-17 06:46:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 7.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 6.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 7.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 8.611 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

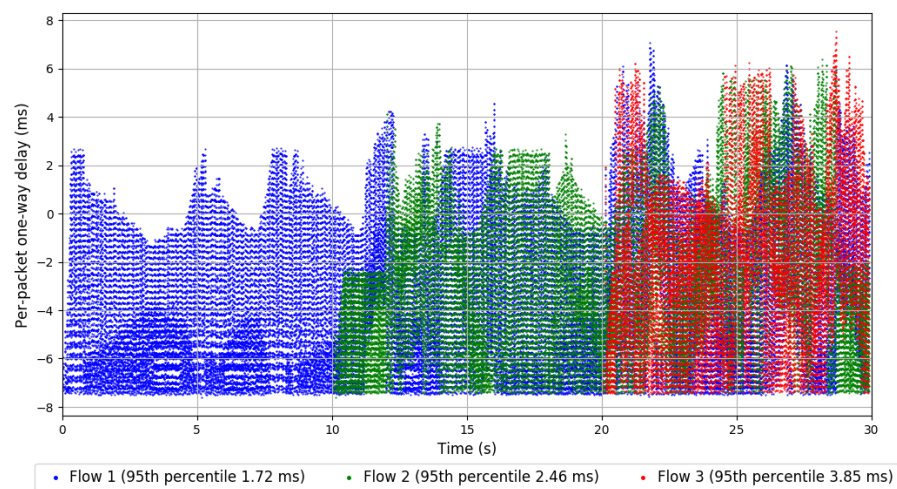
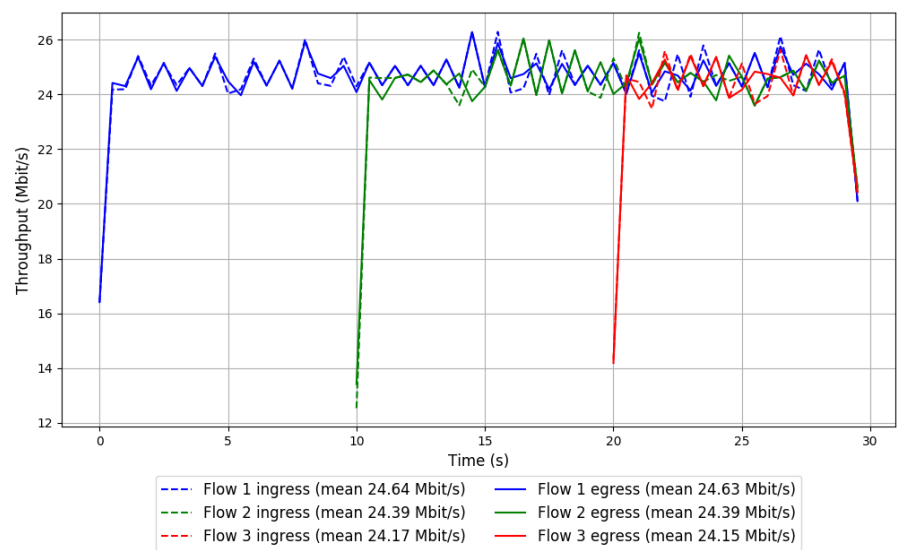


Run 4: Statistics of Sprout

Start at: 2018-01-17 03:36:41
End at: 2018-01-17 03:37:11
Local clock offset: 0.299 ms
Remote clock offset: -18.92 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 1.723 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 3.846 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

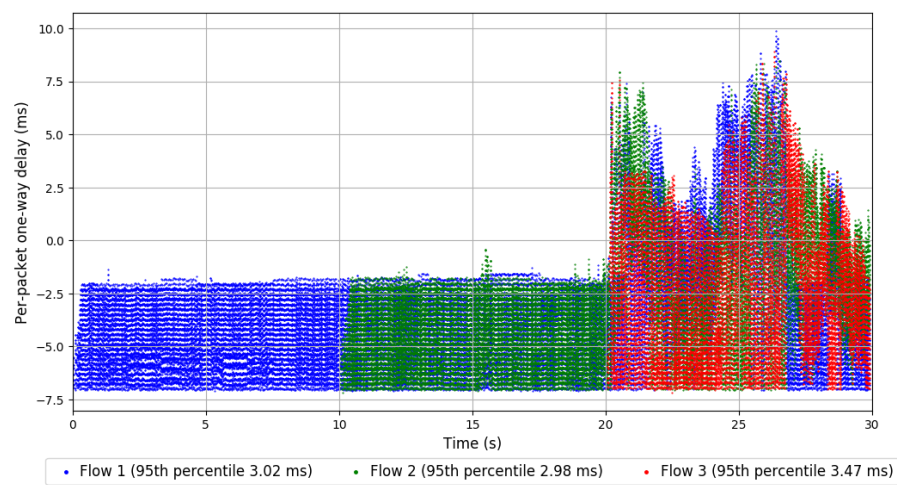
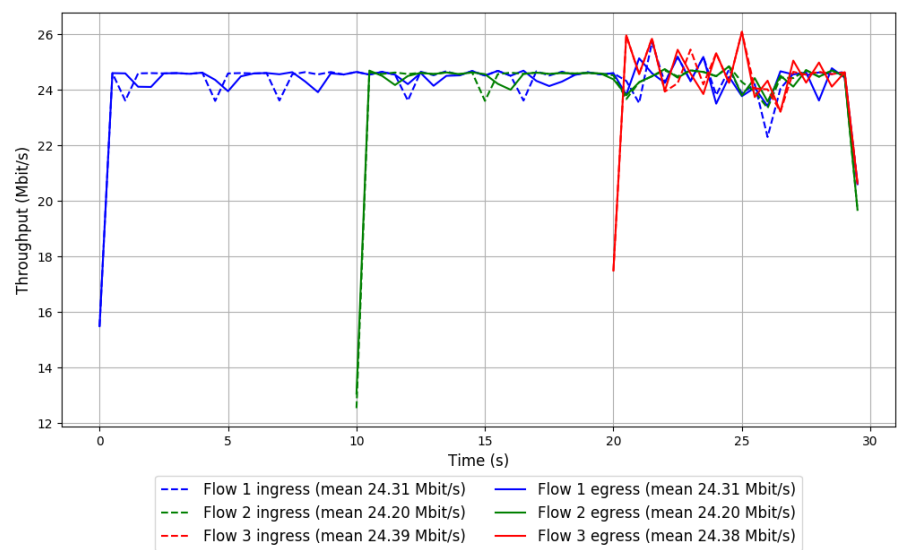


Run 5: Statistics of Sprout

Start at: 2018-01-17 03:58:28
End at: 2018-01-17 03:58:58
Local clock offset: 0.52 ms
Remote clock offset: -19.542 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 3.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 3.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 2.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 3.474 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

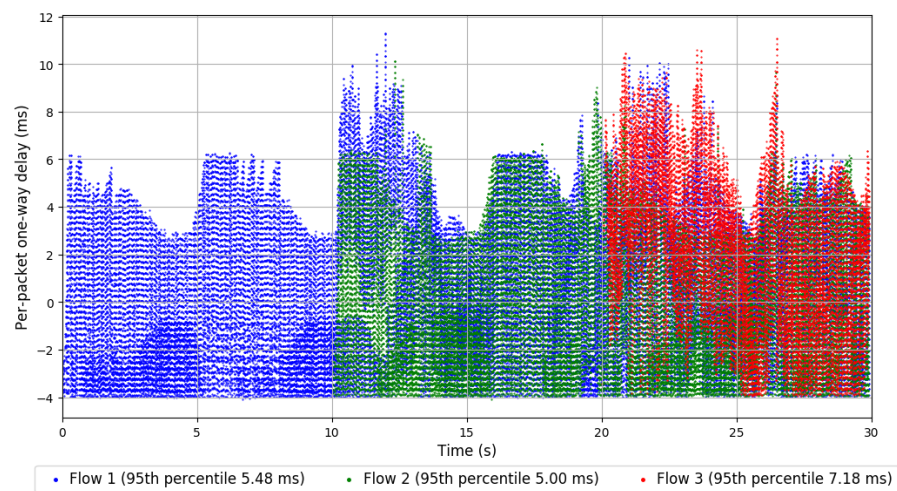
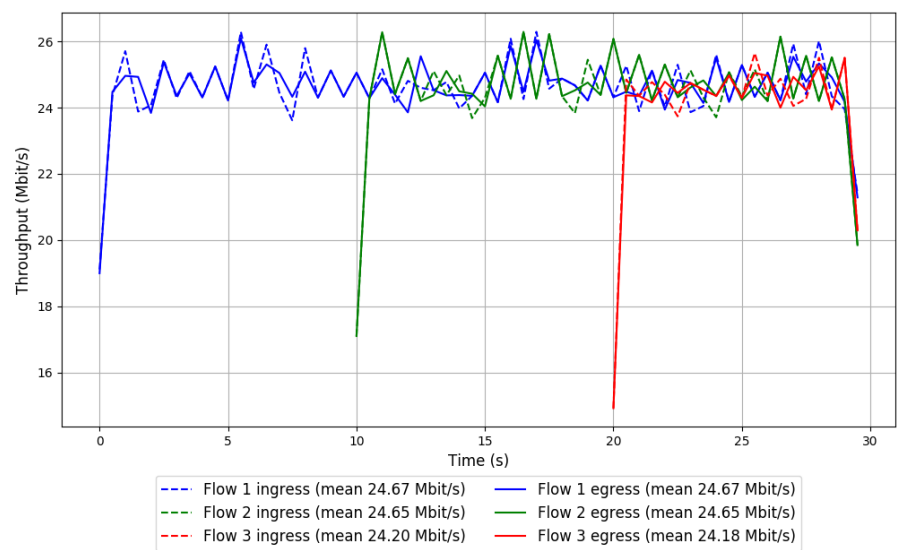


Run 6: Statistics of Sprout

Start at: 2018-01-17 04:20:20
End at: 2018-01-17 04:20:50
Local clock offset: -1.279 ms
Remote clock offset: -20.096 ms

Below is generated by plot.py at 2018-01-17 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 5.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 5.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 5.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 7.184 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

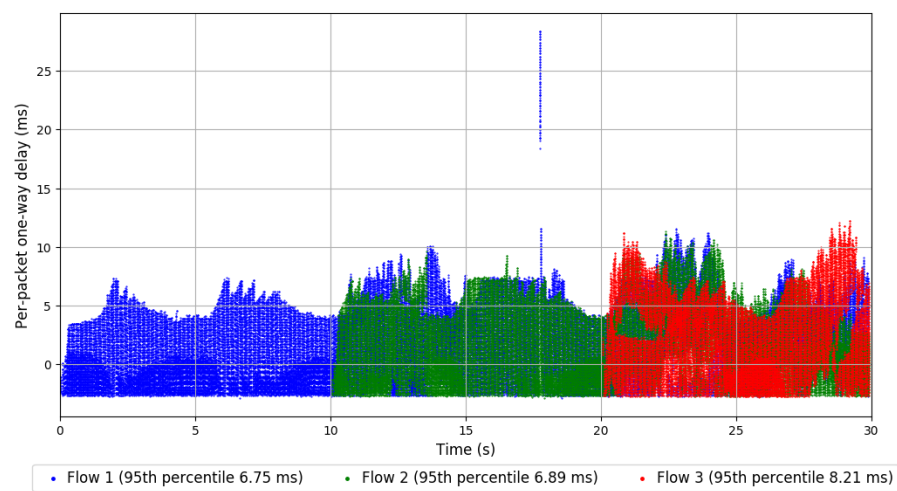
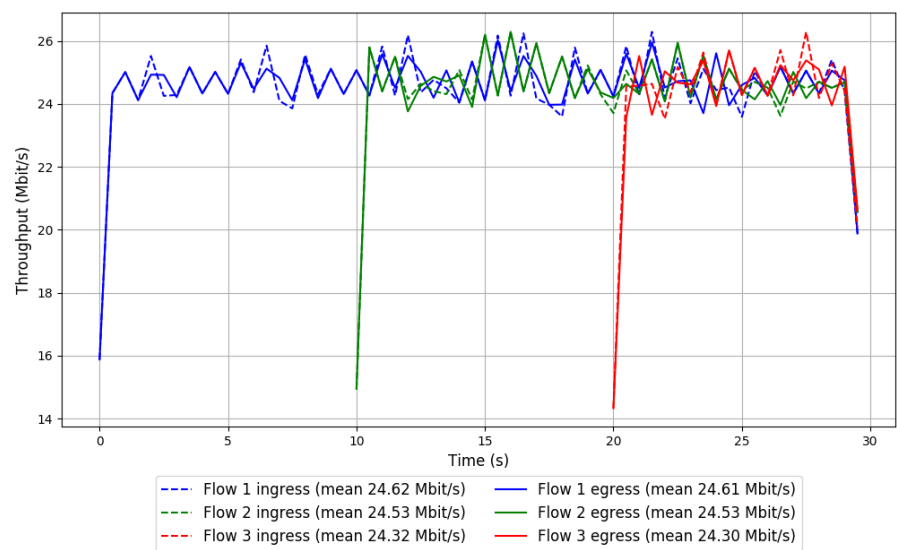


Run 7: Statistics of Sprout

Start at: 2018-01-17 04:41:50
End at: 2018-01-17 04:42:20
Local clock offset: -1.454 ms
Remote clock offset: -17.744 ms

Below is generated by plot.py at 2018-01-17 06:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 7.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 6.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 6.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 8.206 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

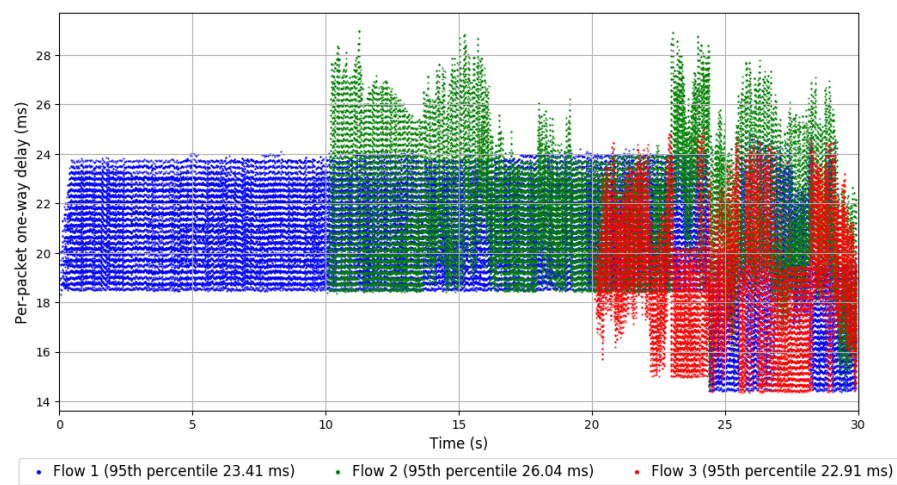
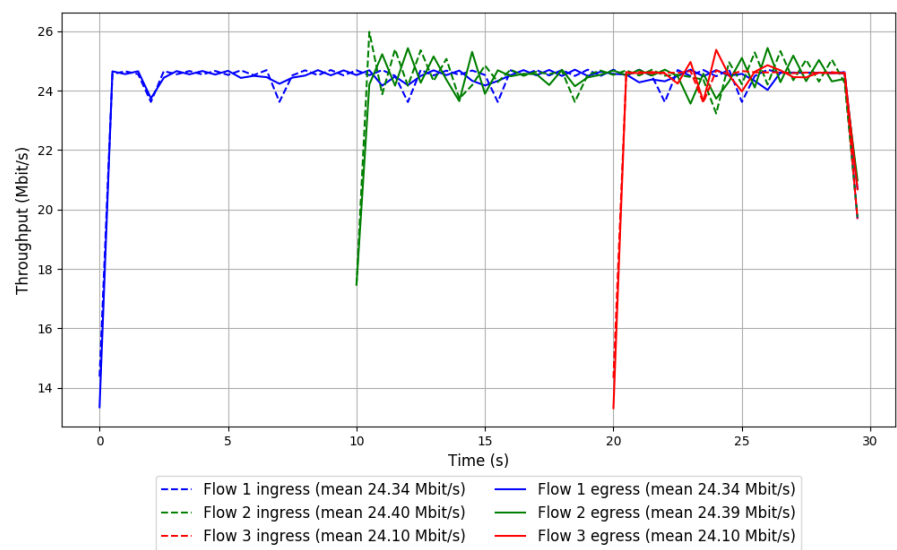


Run 8: Statistics of Sprout

Start at: 2018-01-17 05:04:08
End at: 2018-01-17 05:04:38
Local clock offset: -2.252 ms
Remote clock offset: -2.13 ms

```
# Below is generated by plot.py at 2018-01-17 06:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 24.433 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 23.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 26.035 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 22.915 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

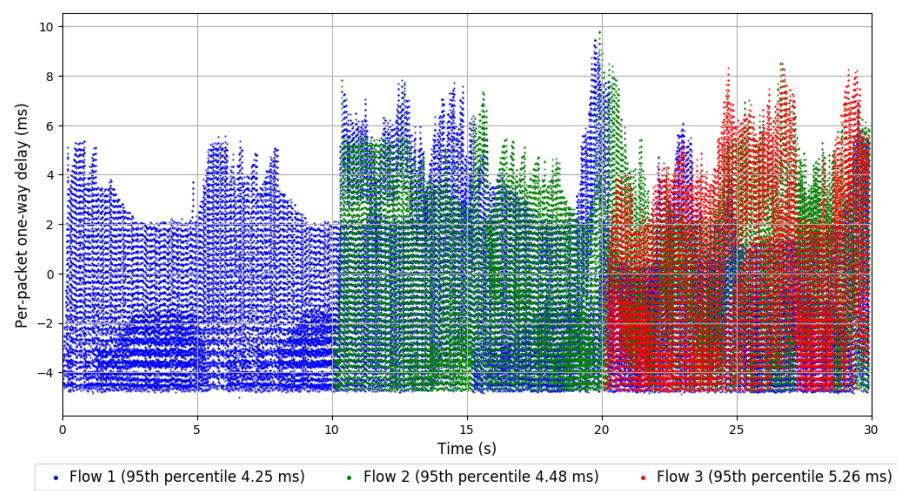
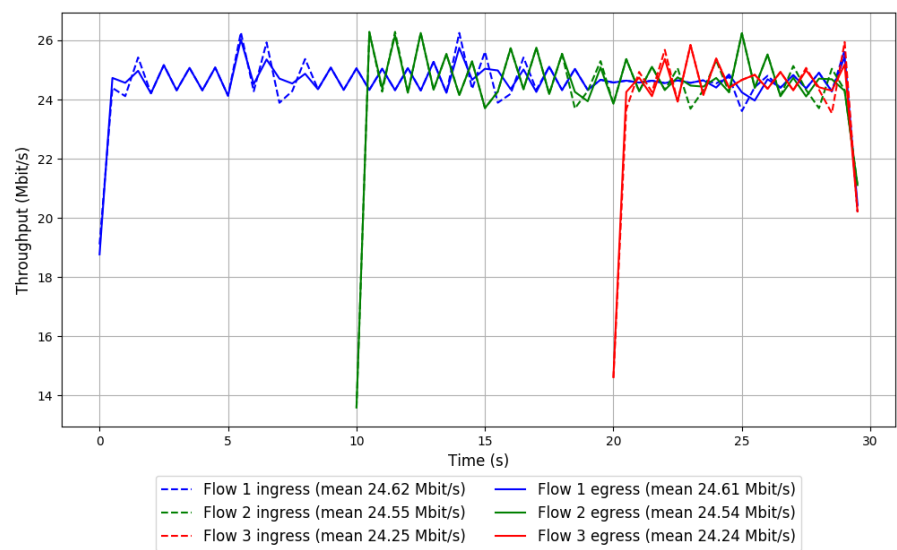


Run 9: Statistics of Sprout

Start at: 2018-01-17 05:26:25
End at: 2018-01-17 05:26:55
Local clock offset: -1.854 ms
Remote clock offset: -20.862 ms

```
# Below is generated by plot.py at 2018-01-17 06:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 4.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 4.480 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 5.259 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

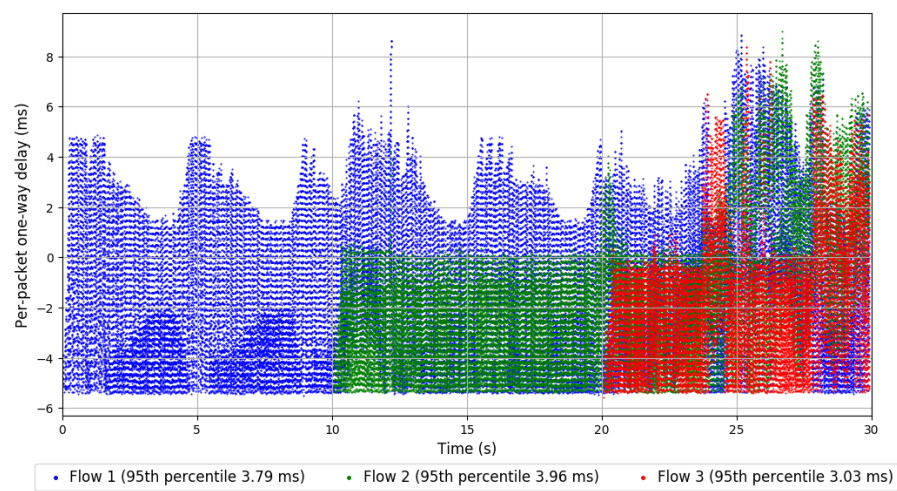
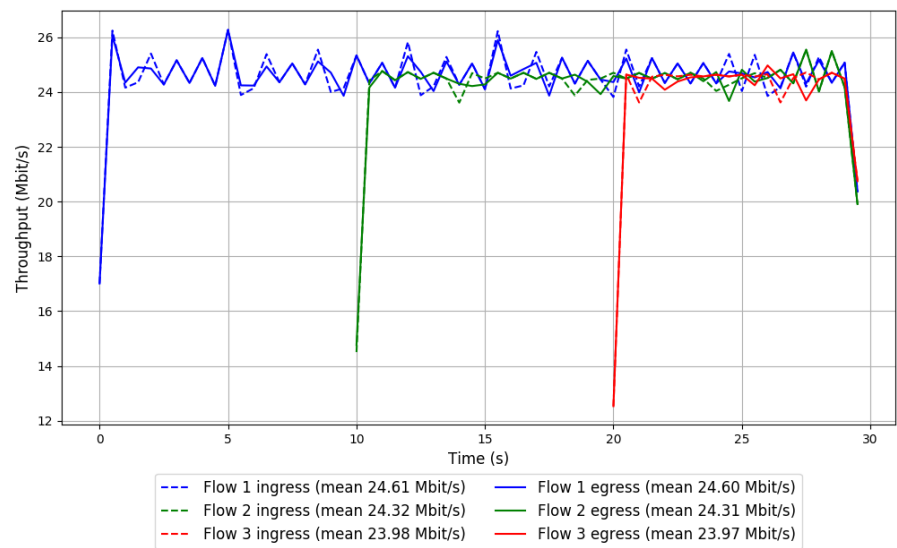


Run 10: Statistics of Sprout

Start at: 2018-01-17 05:48:12
End at: 2018-01-17 05:48:42
Local clock offset: -2.652 ms
Remote clock offset: -22.399 ms

Below is generated by plot.py at 2018-01-17 06:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 3.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 3.792 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 3.957 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 3.026 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

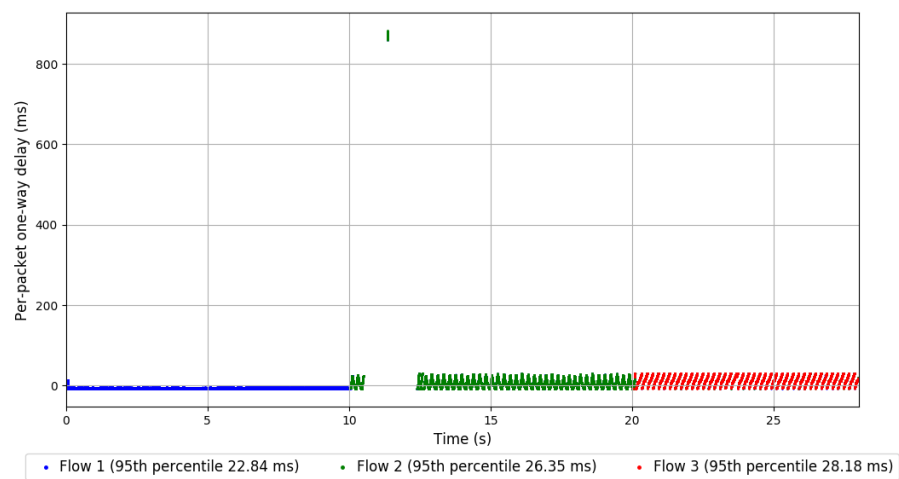
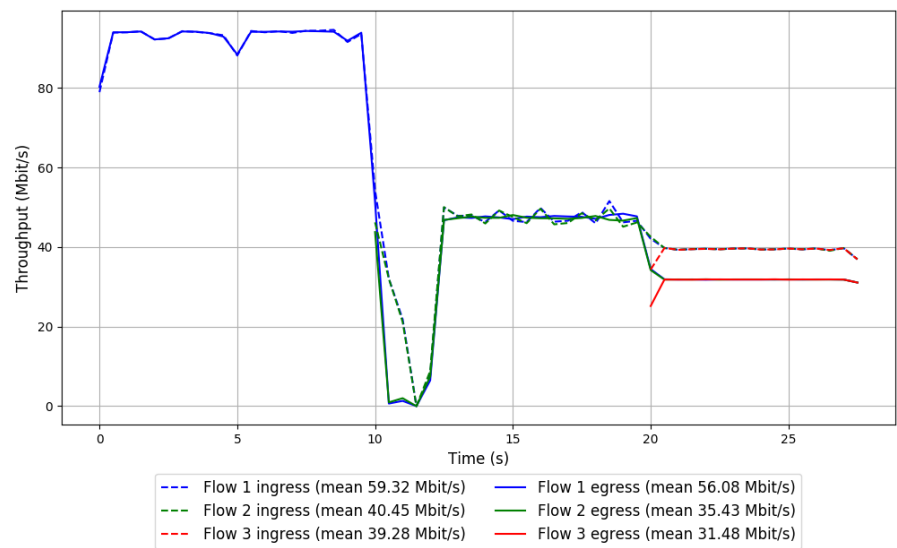


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-17 02:44:40
End at: 2018-01-17 02:45:10
Local clock offset: 0.503 ms
Remote clock offset: -17.18 ms

Below is generated by plot.py at 2018-01-17 06:48:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 25.202 ms
Loss rate: 8.89%
-- Flow 1:
Average throughput: 56.08 Mbit/s
95th percentile per-packet one-way delay: 22.845 ms
Loss rate: 5.38%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 26.353 ms
Loss rate: 12.29%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 28.175 ms
Loss rate: 19.61%

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

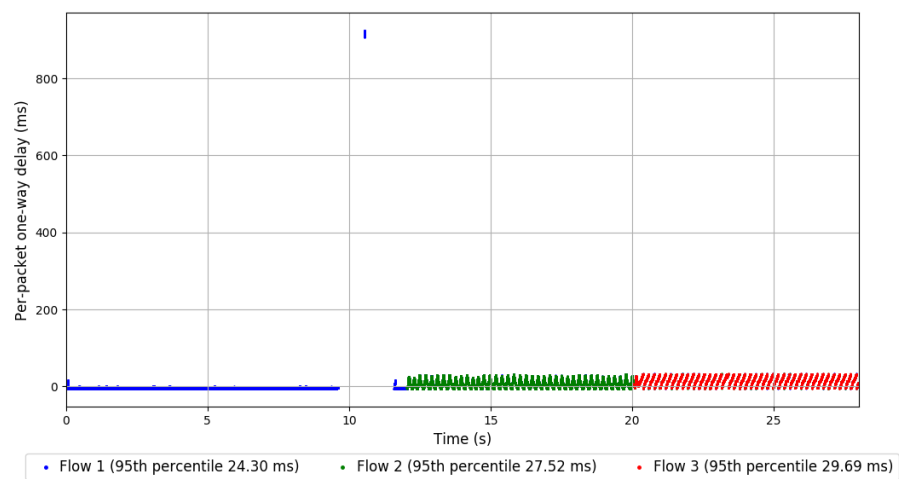
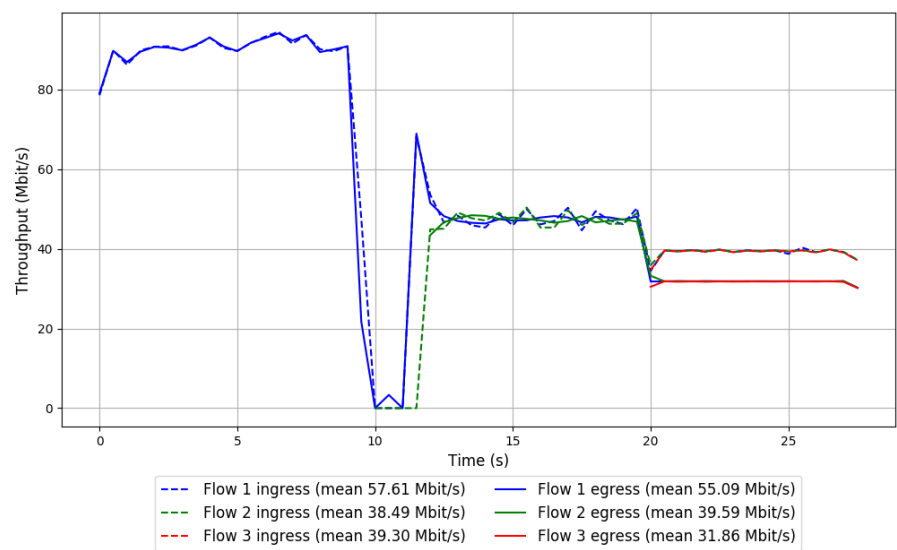


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-17 03:06:27
End at: 2018-01-17 03:06:57
Local clock offset: -3.634 ms
Remote clock offset: -20.004 ms

# Below is generated by plot.py at 2018-01-17 06:48:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 26.562 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 24.301 ms
Loss rate: 4.34%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 27.517 ms
Loss rate: 8.55%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 29.694 ms
Loss rate: 18.92%
```

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

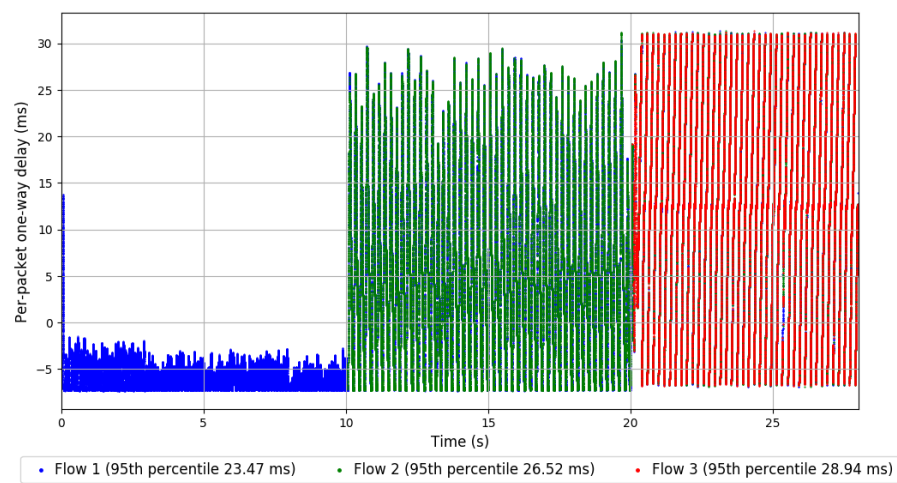
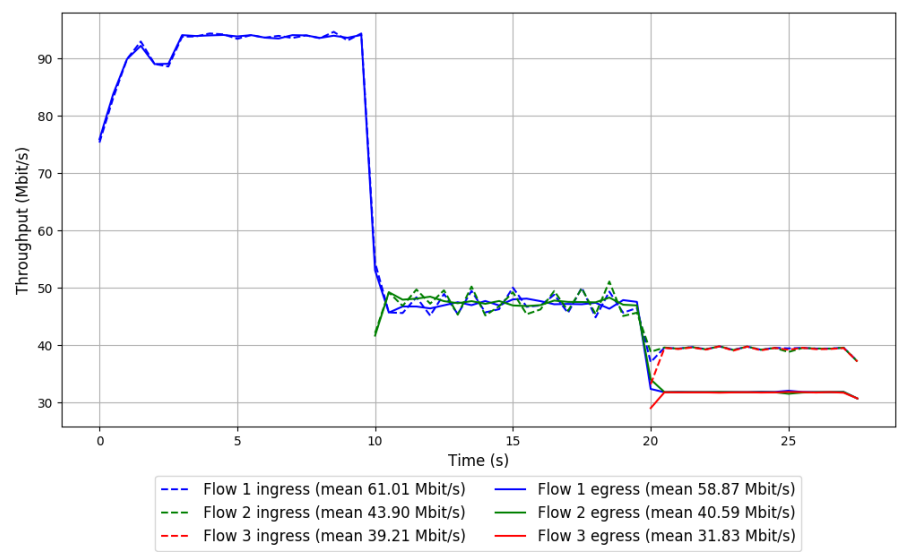


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-17 03:27:58
End at: 2018-01-17 03:28:28
Local clock offset: 1.41 ms
Remote clock offset: -16.761 ms

Below is generated by plot.py at 2018-01-17 06:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 25.651 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 23.467 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 26.525 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 28.943 ms
Loss rate: 18.89%

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

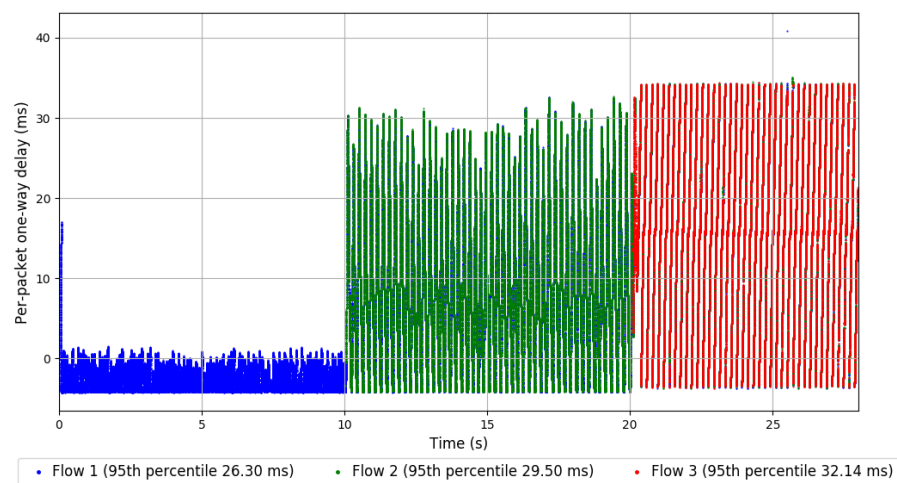
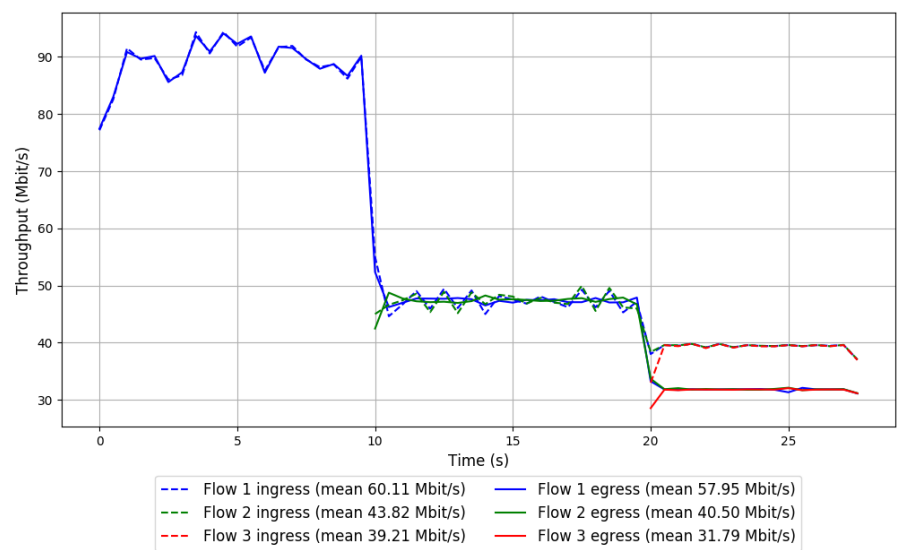


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-17 03:49:39
End at: 2018-01-17 03:50:09
Local clock offset: -2.47 ms
Remote clock offset: -19.564 ms

Below is generated by plot.py at 2018-01-17 06:49:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 28.609 ms
Loss rate: 6.35%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 26.300 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 29.505 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 32.138 ms
Loss rate: 18.87%

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

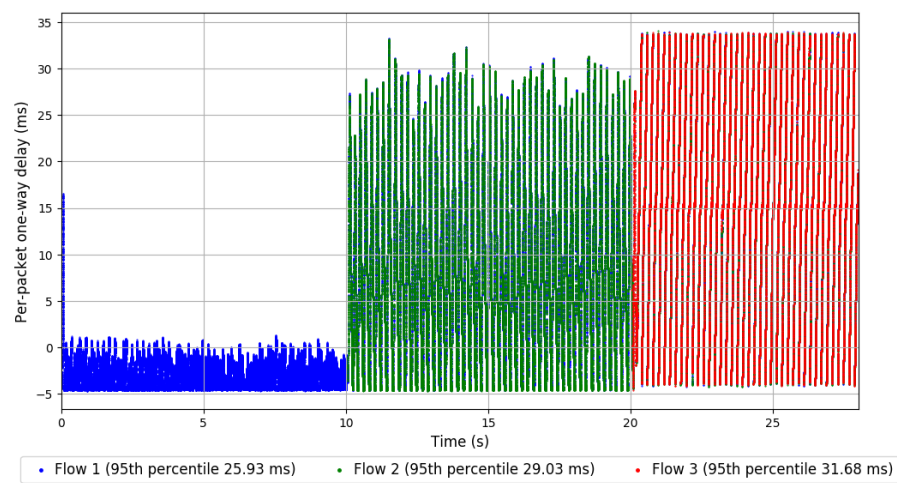
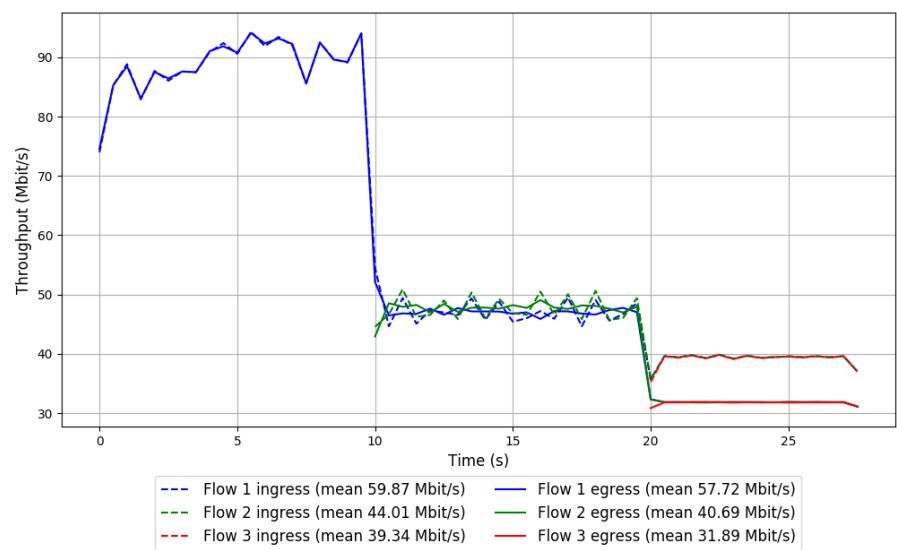


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-17 04:11:22
End at: 2018-01-17 04:11:52
Local clock offset: -1.204 ms
Remote clock offset: -19.875 ms

Below is generated by plot.py at 2018-01-17 06:49:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 28.163 ms
Loss rate: 6.35%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 25.929 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 29.029 ms
Loss rate: 7.44%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 31.680 ms
Loss rate: 18.81%

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

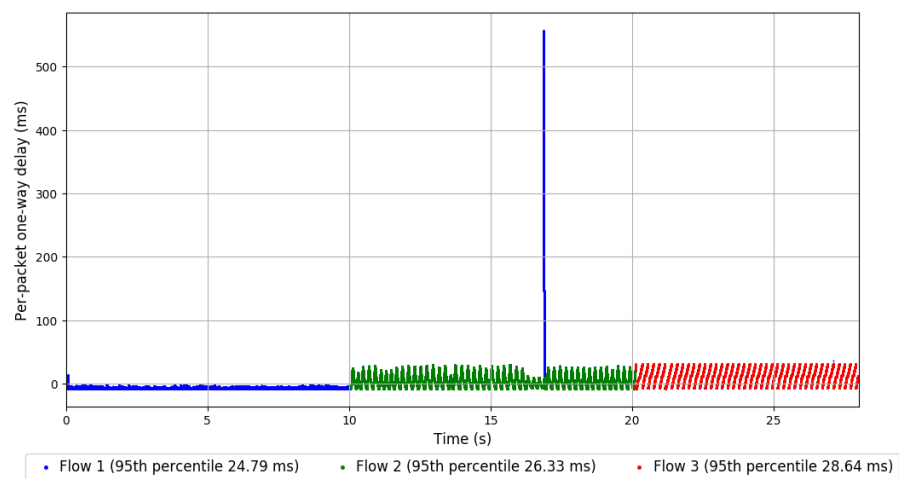
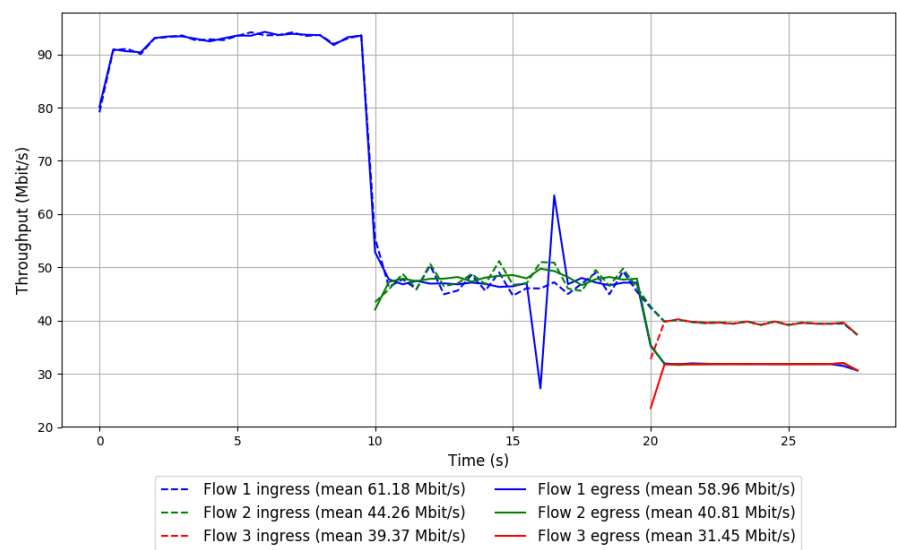


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-17 04:33:09
End at: 2018-01-17 04:33:39
Local clock offset: 1.119 ms
Remote clock offset: -20.735 ms

Below is generated by plot.py at 2018-01-17 06:49:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 26.144 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 24.785 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 26.330 ms
Loss rate: 7.71%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 28.637 ms
Loss rate: 19.93%

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

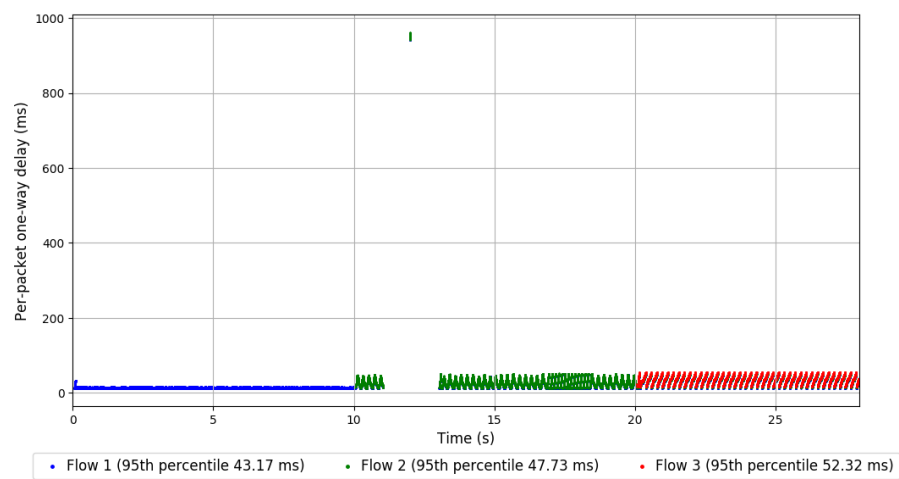
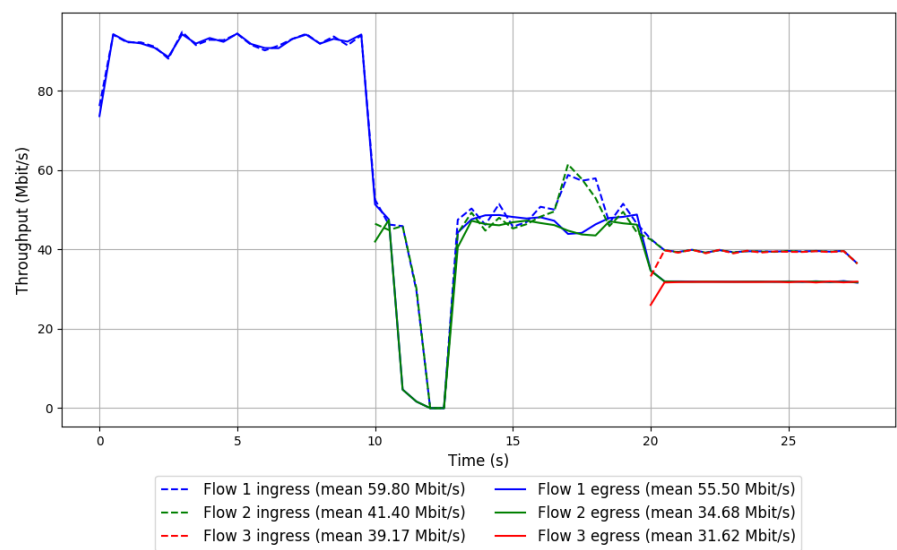


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 04:55:07
End at: 2018-01-17 04:55:37
Local clock offset: -0.782 ms
Remote clock offset: -2.655 ms

Below is generated by plot.py at 2018-01-17 06:49:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 46.669 ms
Loss rate: 10.95%
-- Flow 1:
Average throughput: 55.50 Mbit/s
95th percentile per-packet one-way delay: 43.169 ms
Loss rate: 7.13%
-- Flow 2:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 47.727 ms
Loss rate: 16.12%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 52.321 ms
Loss rate: 19.13%

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

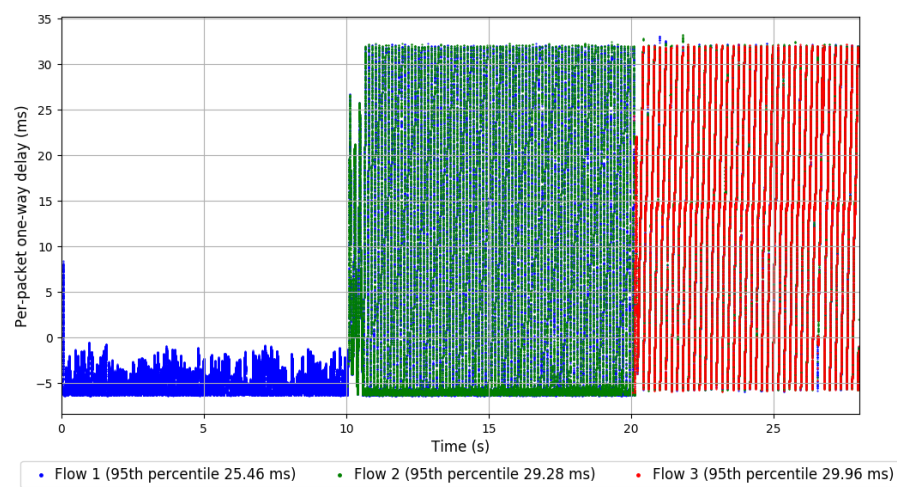
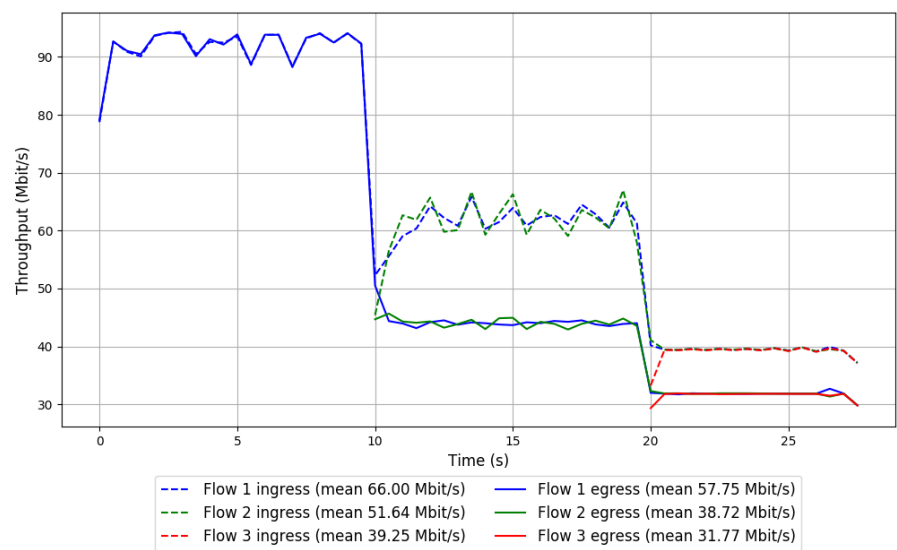


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 05:17:33
End at: 2018-01-17 05:18:03
Local clock offset: 0.047 ms
Remote clock offset: -20.453 ms

Below is generated by plot.py at 2018-01-17 06:49:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 27.870 ms
Loss rate: 16.91%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 25.457 ms
Loss rate: 12.49%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 29.277 ms
Loss rate: 25.00%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 29.958 ms
Loss rate: 19.00%

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

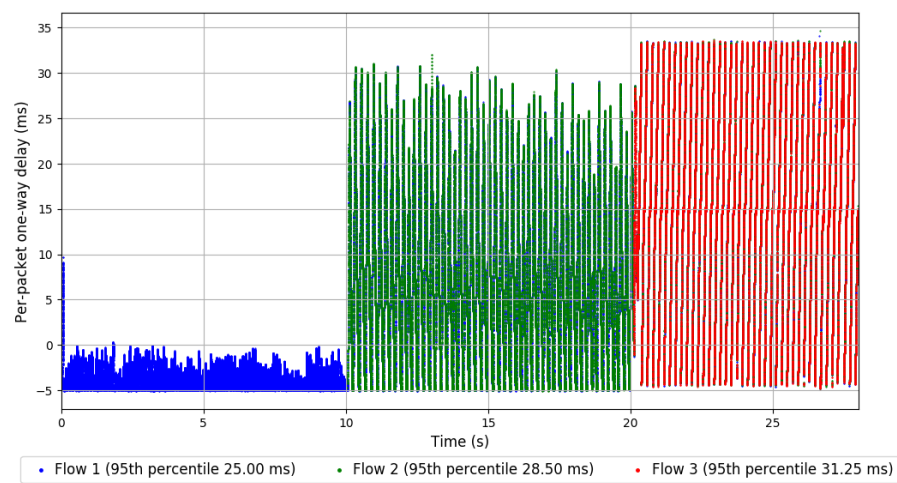
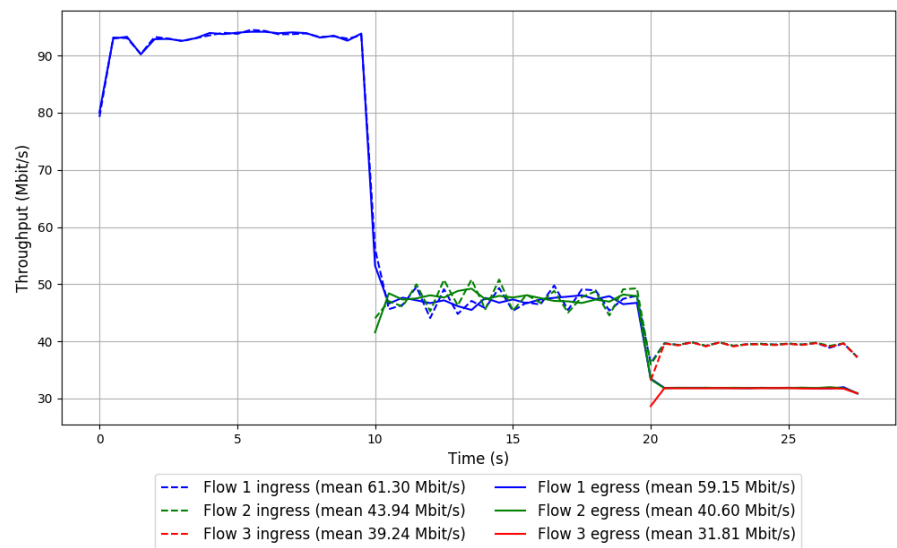


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 05:39:29
End at: 2018-01-17 05:39:59
Local clock offset: -2.034 ms
Remote clock offset: -21.15 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 27.475 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 24.998 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 28.500 ms
Loss rate: 7.49%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.249 ms
Loss rate: 18.96%

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

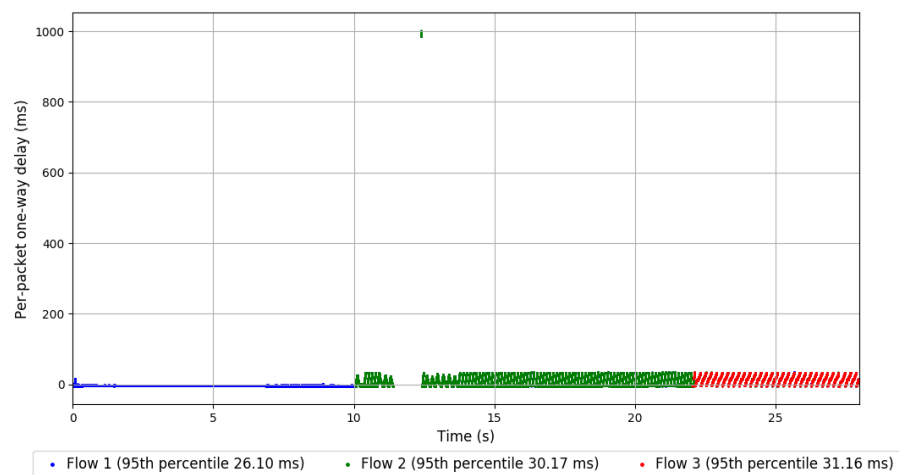
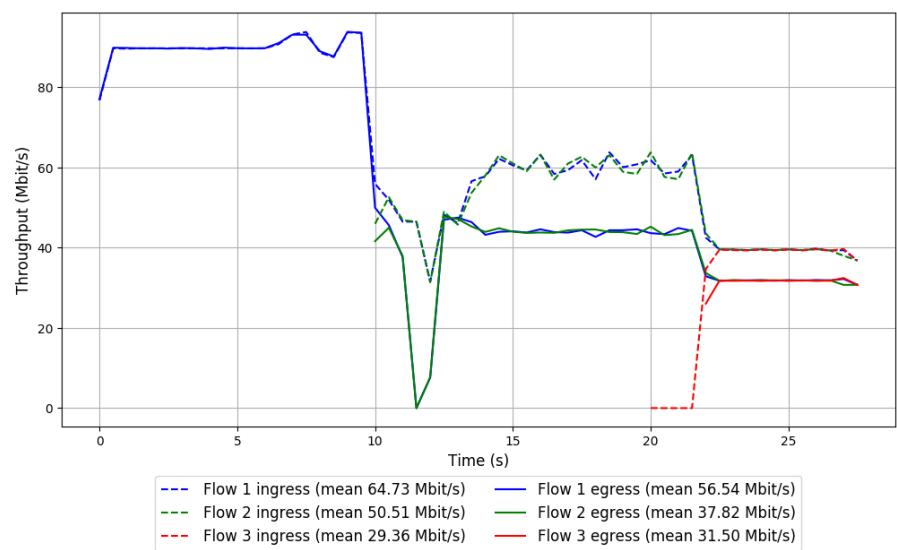


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 06:01:19
End at: 2018-01-17 06:01:49
Local clock offset: -1.355 ms
Remote clock offset: -21.199 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 28.660 ms
Loss rate: 16.96%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 26.100 ms
Loss rate: 12.59%
-- Flow 2:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 30.169 ms
Loss rate: 25.04%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 19.48%

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

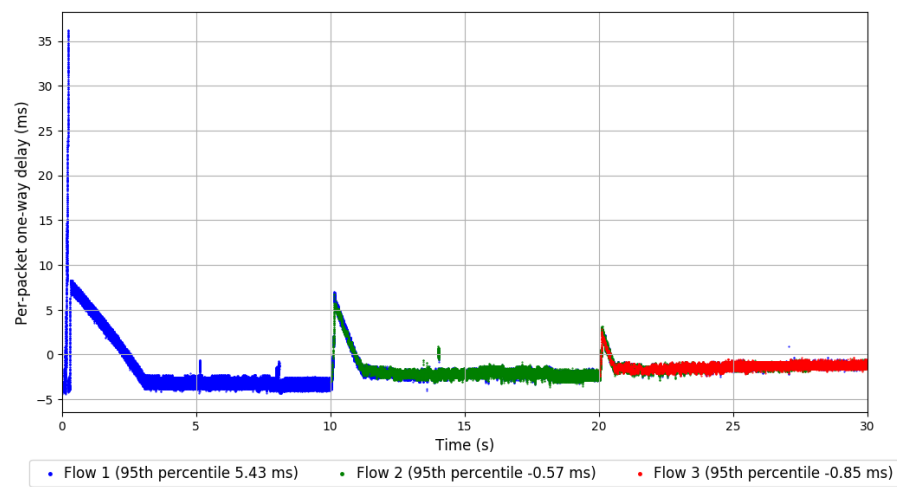
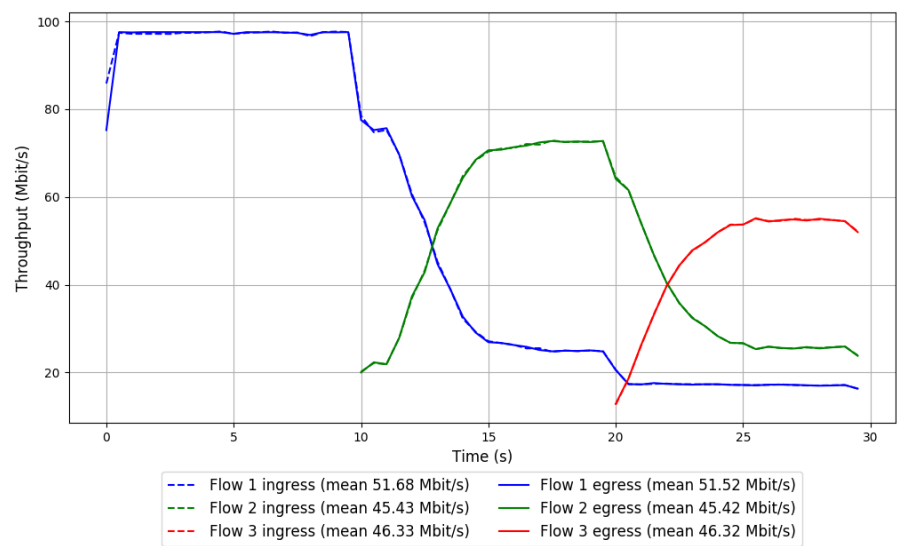


Run 1: Statistics of TCP Vegas

Start at: 2018-01-17 02:42:13
End at: 2018-01-17 02:42:43
Local clock offset: -2.628 ms
Remote clock offset: -16.575 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 3.747 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 5.430 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: -0.574 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: -0.854 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

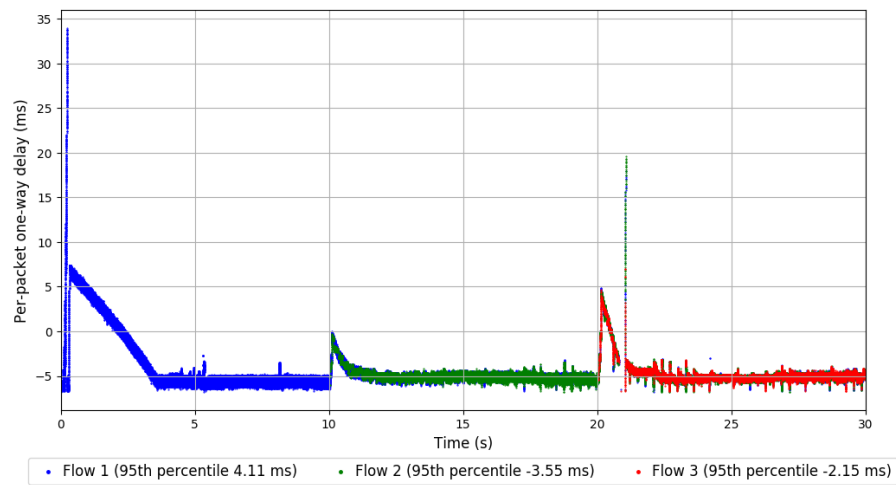
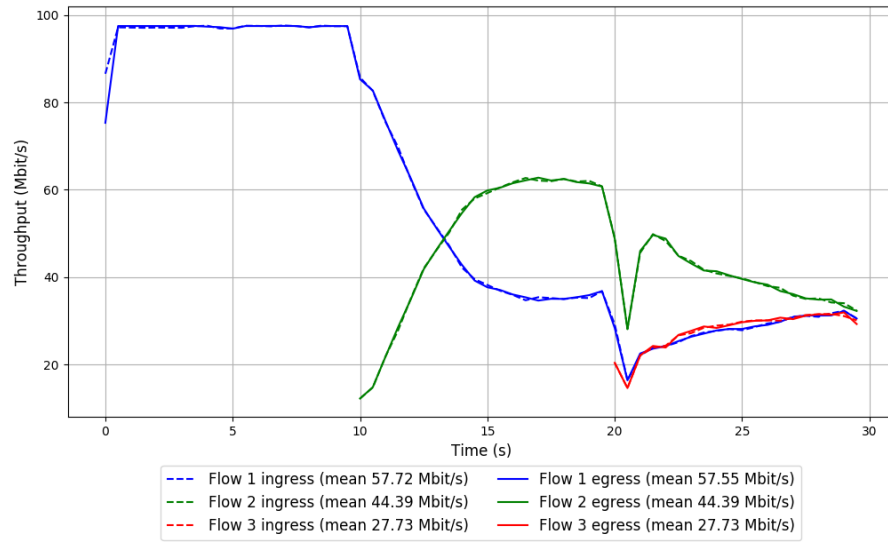


Run 2: Statistics of TCP Vegas

Start at: 2018-01-17 03:03:59
End at: 2018-01-17 03:04:29
Local clock offset: -1.403 ms
Remote clock offset: -17.921 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 4.107 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: -3.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: -2.146 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-17 03:25:36

End at: 2018-01-17 03:26:06

Local clock offset: -1.565 ms

Remote clock offset: -17.6 ms

Below is generated by plot.py at 2018-01-17 06:51:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 2.717 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 4.089 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.98 Mbit/s

95th percentile per-packet one-way delay: -2.228 ms

Loss rate: 0.00%

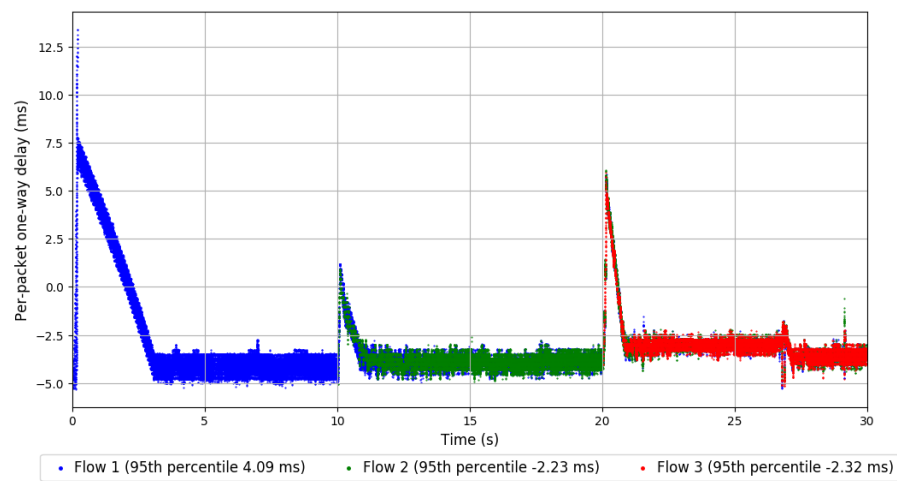
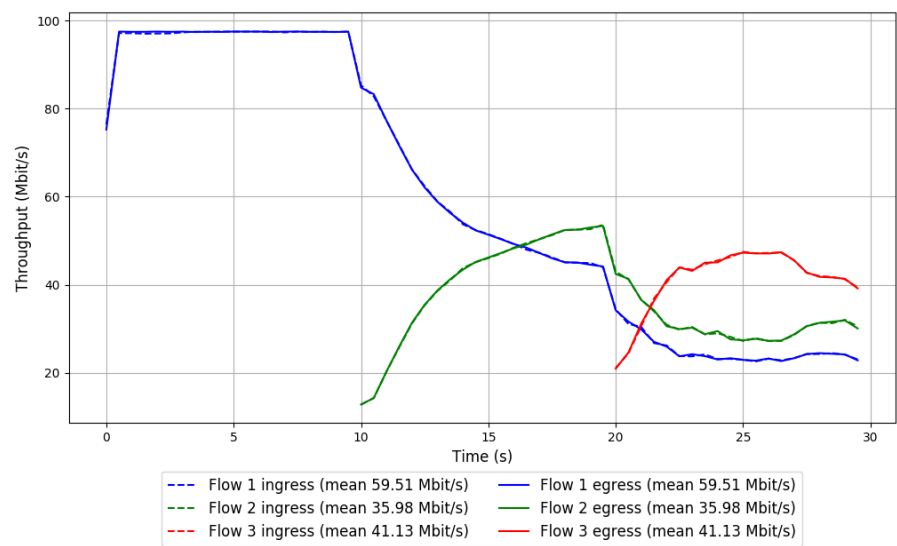
-- Flow 3:

Average throughput: 41.13 Mbit/s

95th percentile per-packet one-way delay: -2.316 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

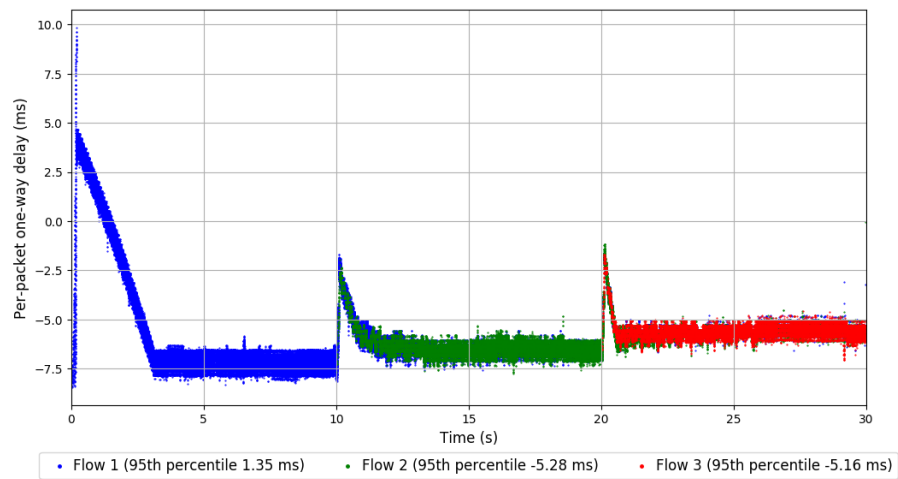
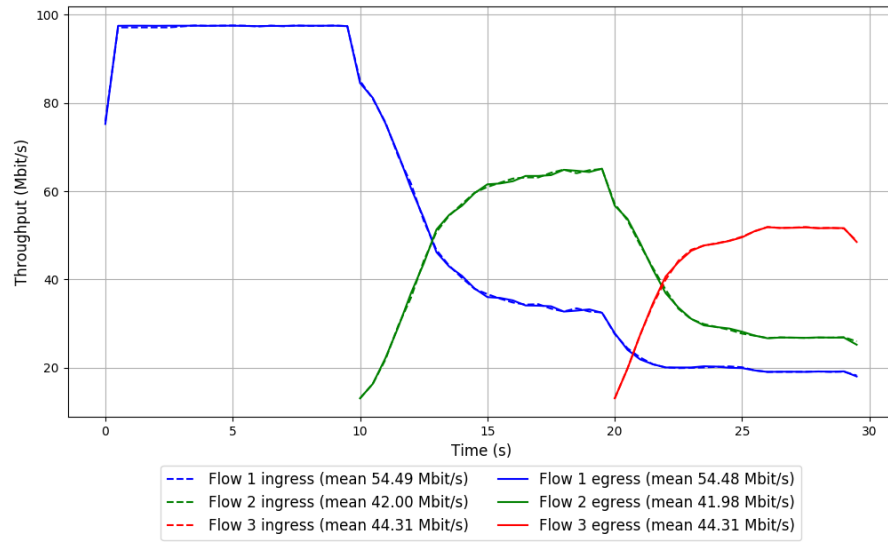


Run 4: Statistics of TCP Vegas

Start at: 2018-01-17 03:47:19
End at: 2018-01-17 03:47:49
Local clock offset: 2.068 ms
Remote clock offset: -19.057 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: -1.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: -5.278 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: -5.164 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

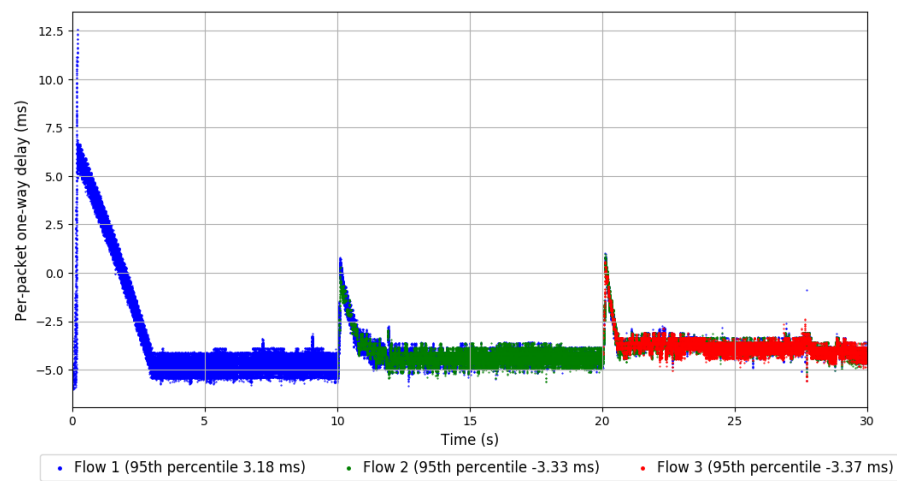
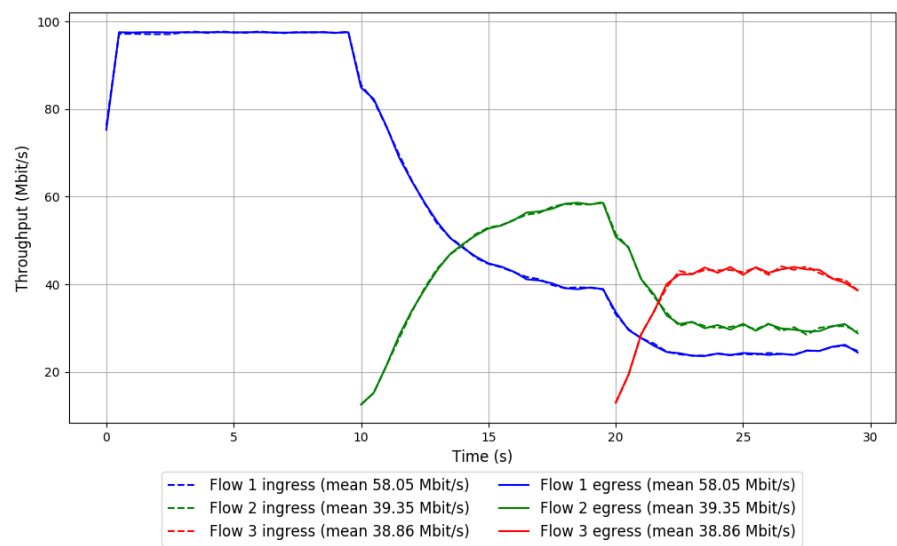


Run 5: Statistics of TCP Vegas

Start at: 2018-01-17 04:09:01
End at: 2018-01-17 04:09:31
Local clock offset: -0.745 ms
Remote clock offset: -20.53 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 0.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 3.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: -3.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: -3.373 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

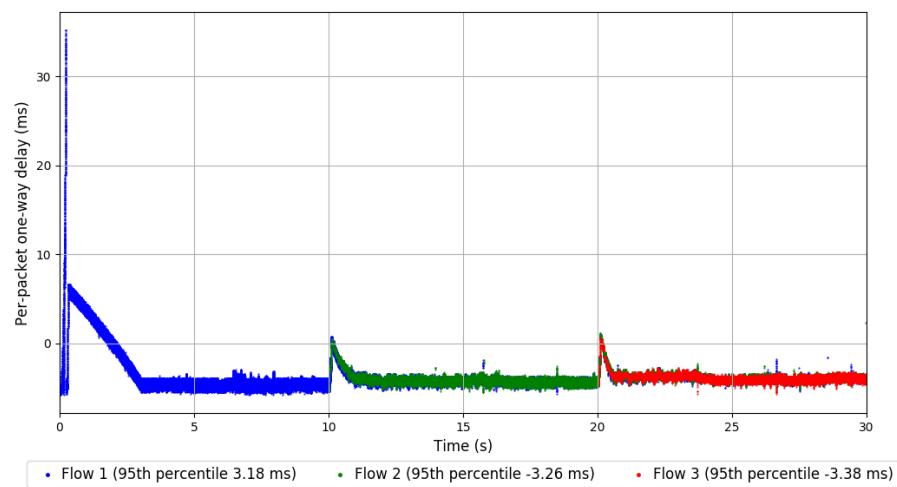
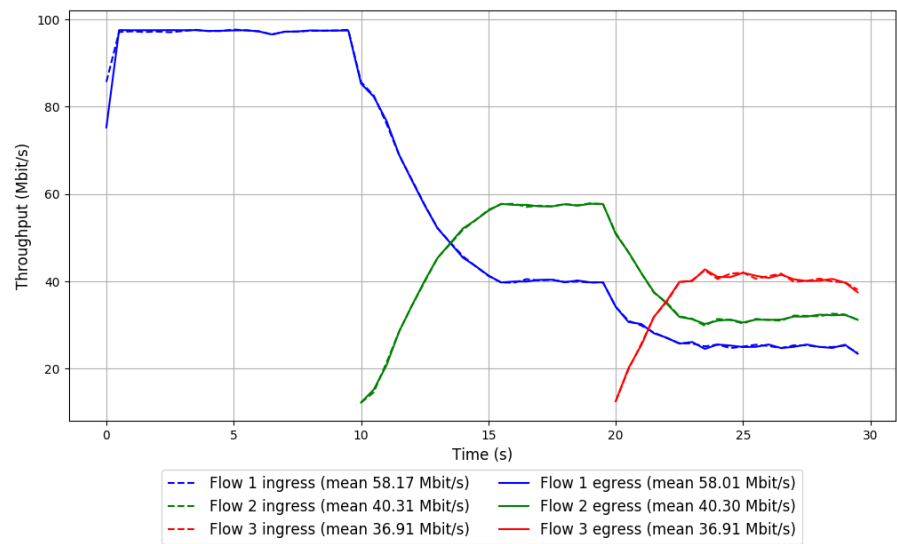


Run 6: Statistics of TCP Vegas

Start at: 2018-01-17 04:30:47
End at: 2018-01-17 04:31:17
Local clock offset: 1.541 ms
Remote clock offset: -18.705 ms

Below is generated by plot.py at 2018-01-17 06:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 3.178 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: -3.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: -3.385 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

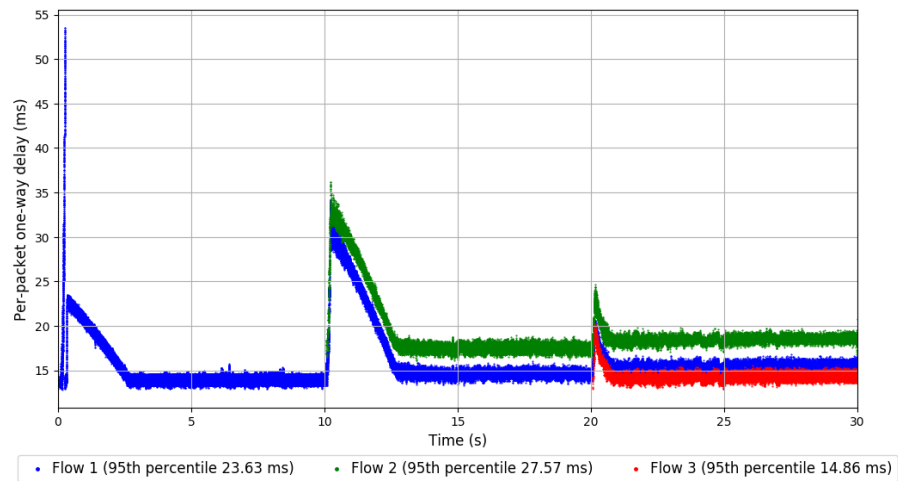
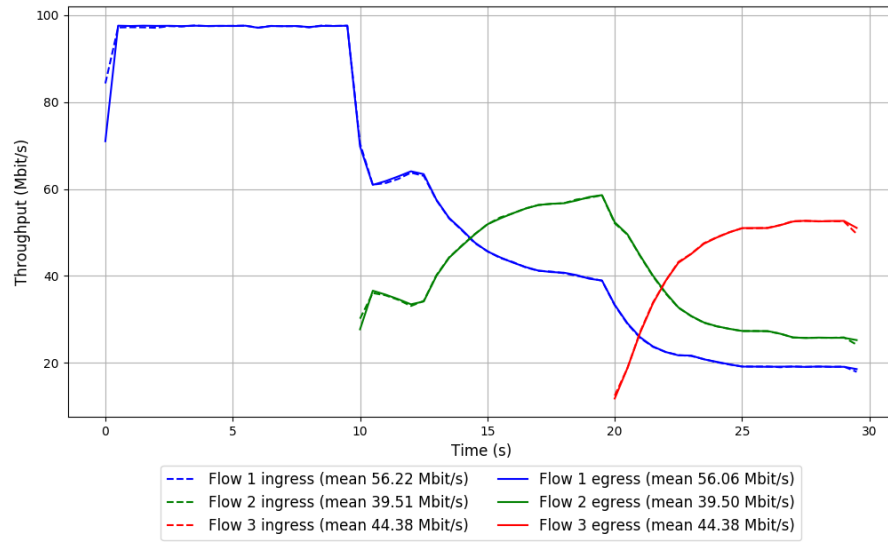


Run 7: Statistics of TCP Vegas

Start at: 2018-01-17 04:52:40
End at: 2018-01-17 04:53:10
Local clock offset: -0.509 ms
Remote clock offset: -2.391 ms

Below is generated by plot.py at 2018-01-17 06:51:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 23.641 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 23.628 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 27.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 14.864 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

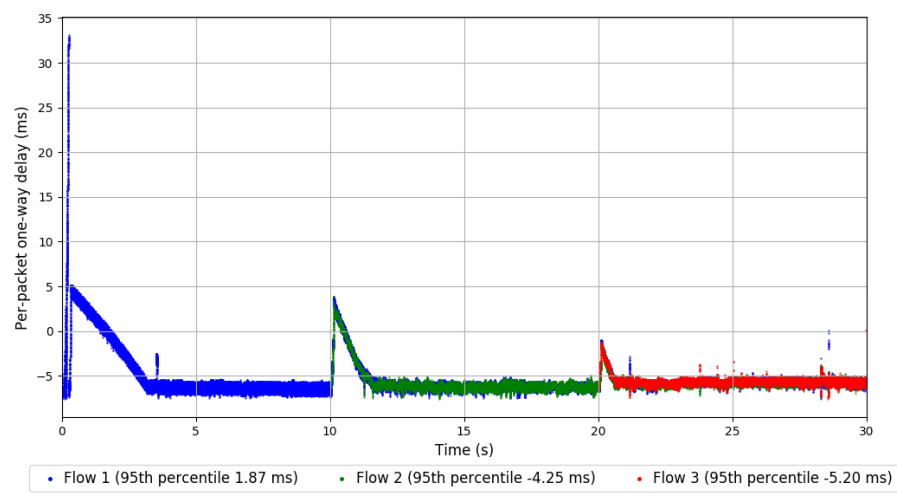
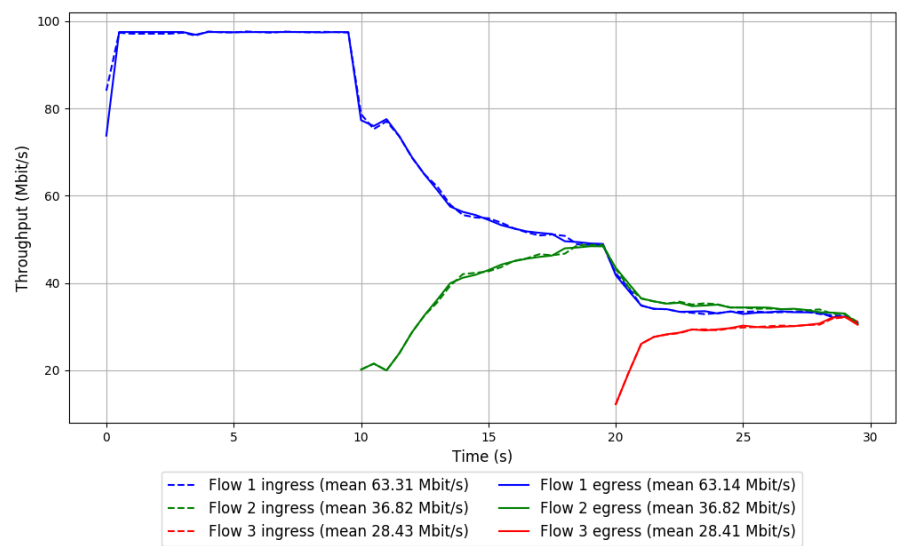


Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 05:14:59
End at: 2018-01-17 05:15:29
Local clock offset: 1.137 ms
Remote clock offset: -20.562 ms

Below is generated by plot.py at 2018-01-17 06:51:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 0.704 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 63.14 Mbit/s
95th percentile per-packet one-way delay: 1.873 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: -4.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.41 Mbit/s
95th percentile per-packet one-way delay: -5.199 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

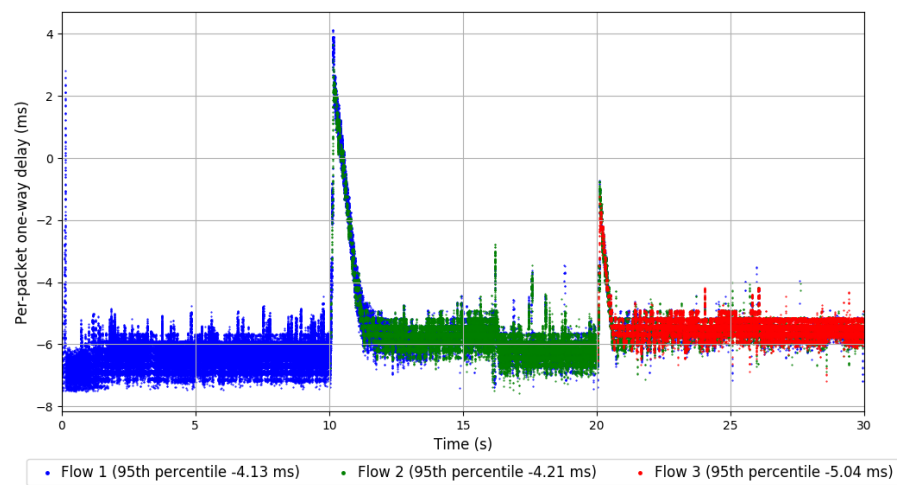
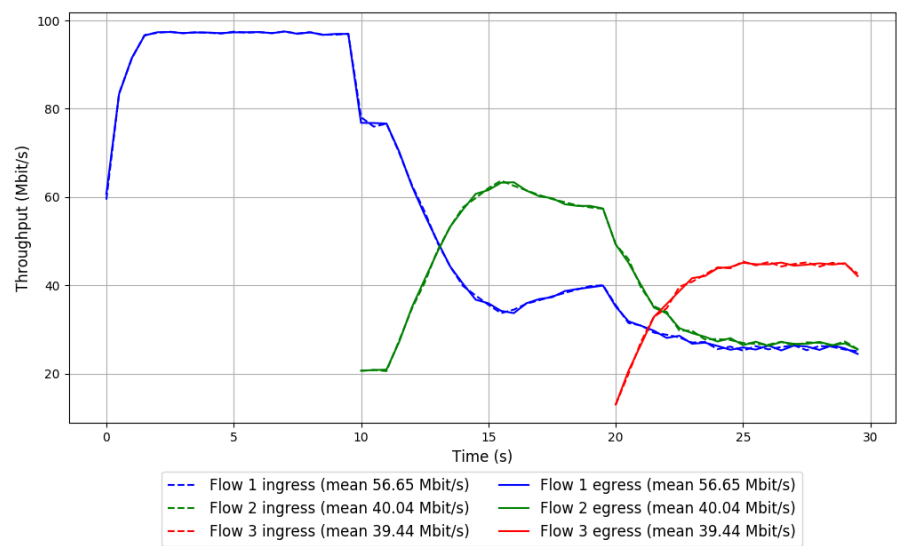


Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 05:37:04
End at: 2018-01-17 05:37:34
Local clock offset: -1.212 ms
Remote clock offset: -22.863 ms

Below is generated by plot.py at 2018-01-17 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: -4.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: -4.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: -4.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: -5.037 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

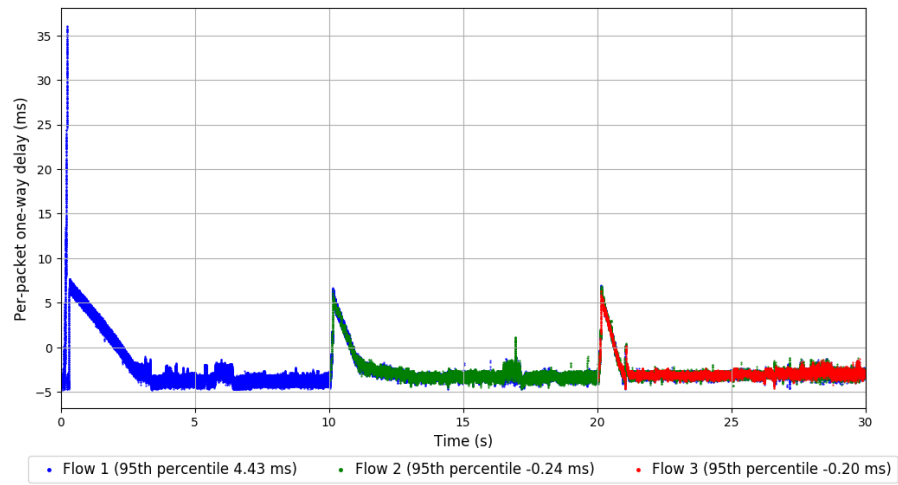
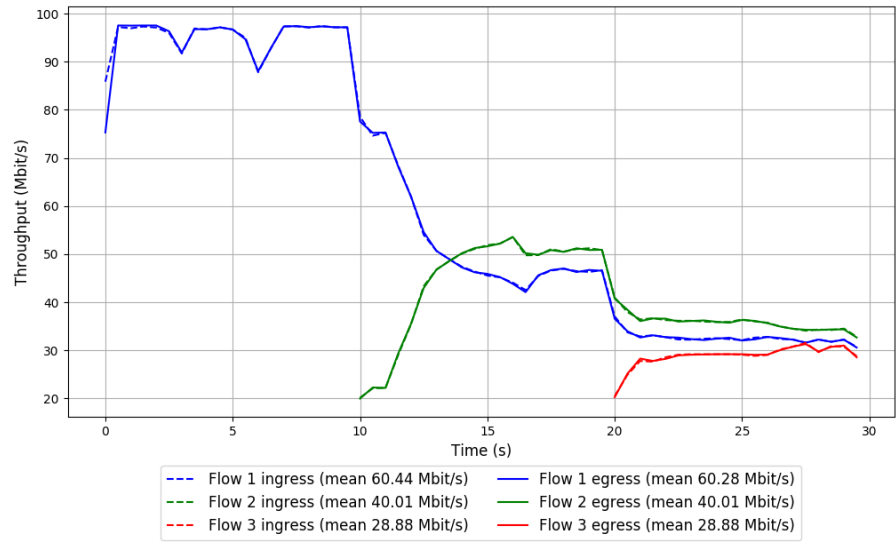


Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 05:58:53
End at: 2018-01-17 05:59:23
Local clock offset: -2.083 ms
Remote clock offset: -21.353 ms

Below is generated by plot.py at 2018-01-17 06:52:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 3.504 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 4.429 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: -0.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: -0.204 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

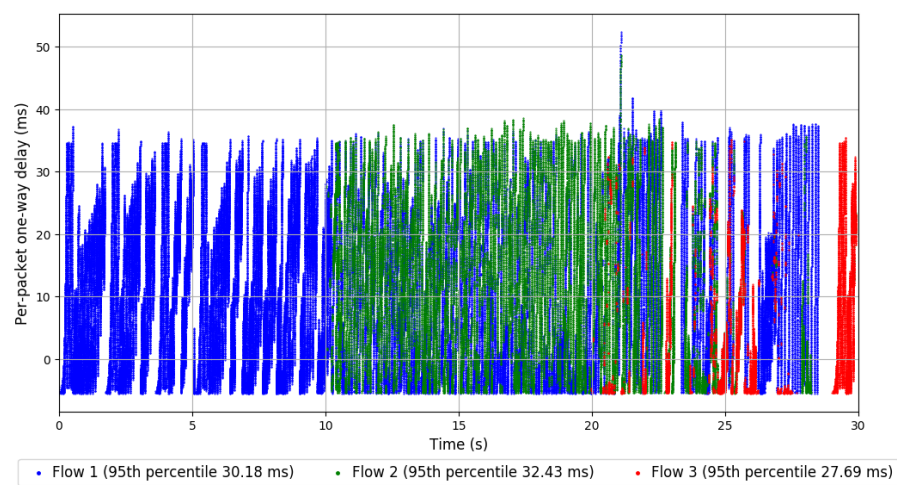
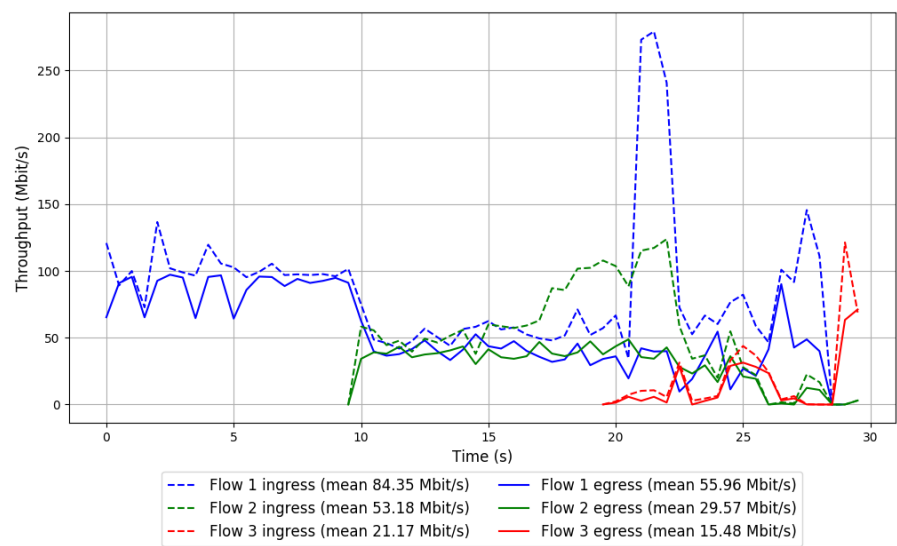


Run 1: Statistics of Verus

Start at: 2018-01-17 02:47:14
End at: 2018-01-17 02:47:44
Local clock offset: -2.711 ms
Remote clock offset: -17.722 ms

Below is generated by plot.py at 2018-01-17 06:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 30.846 ms
Loss rate: 37.75%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 30.184 ms
Loss rate: 35.89%
-- Flow 2:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 32.432 ms
Loss rate: 44.33%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 27.692 ms
Loss rate: 26.66%

Run 1: Report of Verus — Data Link

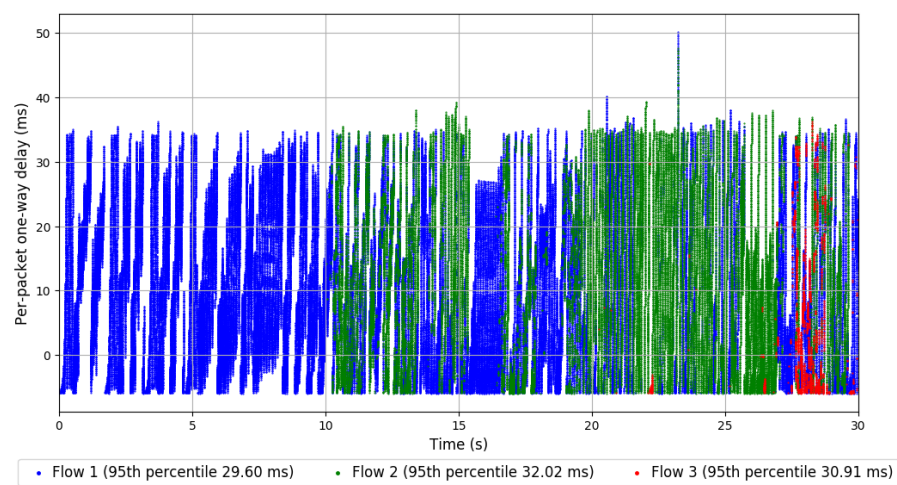
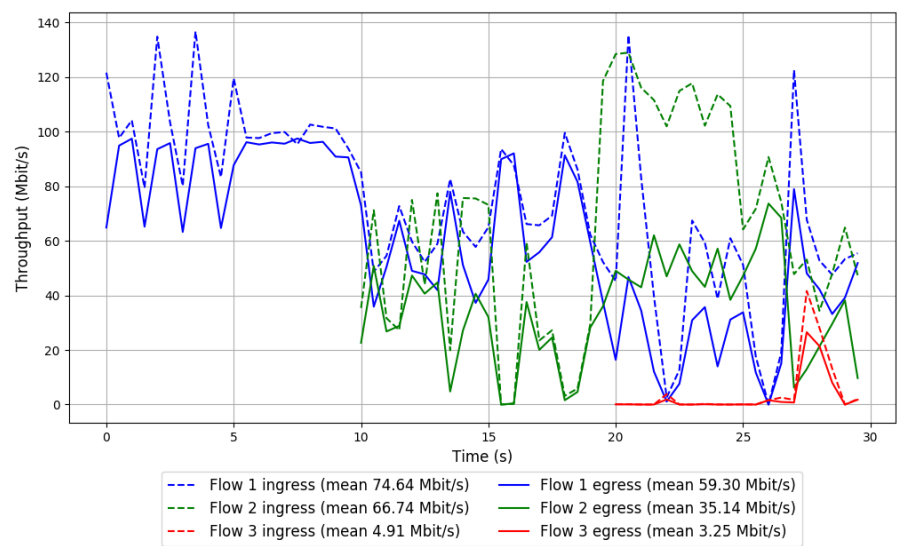


Run 2: Statistics of Verus

Start at: 2018-01-17 03:09:00
End at: 2018-01-17 03:09:30
Local clock offset: -1.174 ms
Remote clock offset: -16.775 ms

Below is generated by plot.py at 2018-01-17 06:52:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 30.370 ms
Loss rate: 30.44%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 29.602 ms
Loss rate: 20.47%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 47.35%
-- Flow 3:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 30.908 ms
Loss rate: 33.80%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

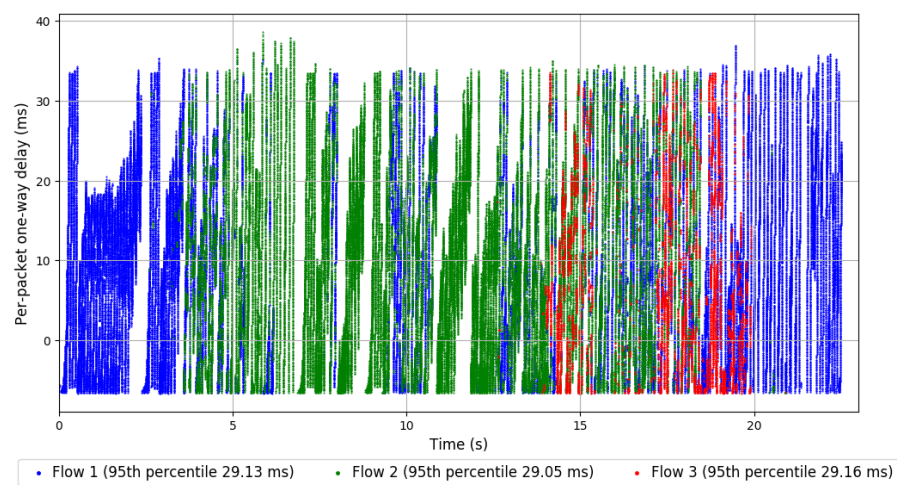
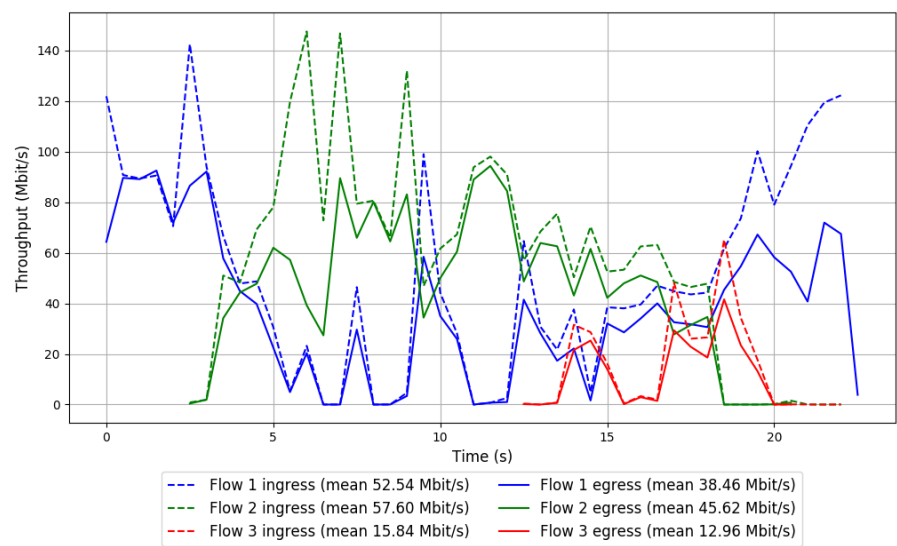
Start at: 2018-01-17 03:30:29

End at: 2018-01-17 03:30:59

Local clock offset: 0.455 ms

Remote clock offset: -17.265 ms

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

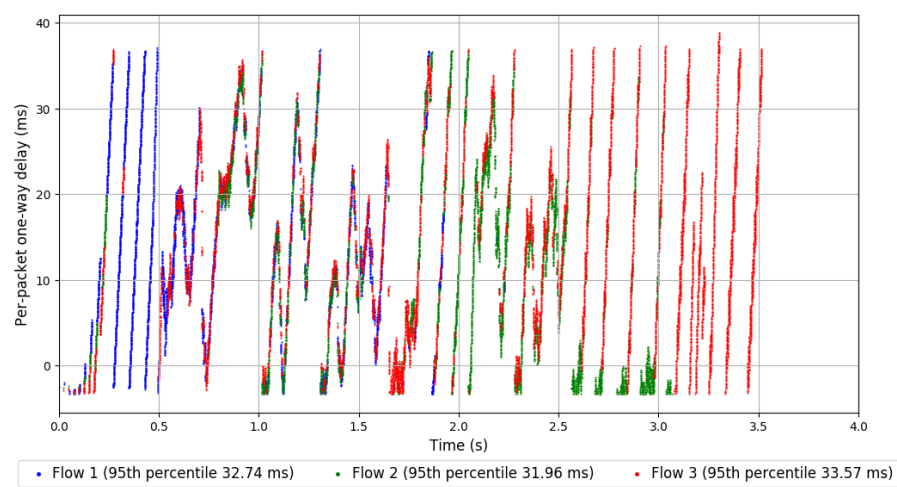
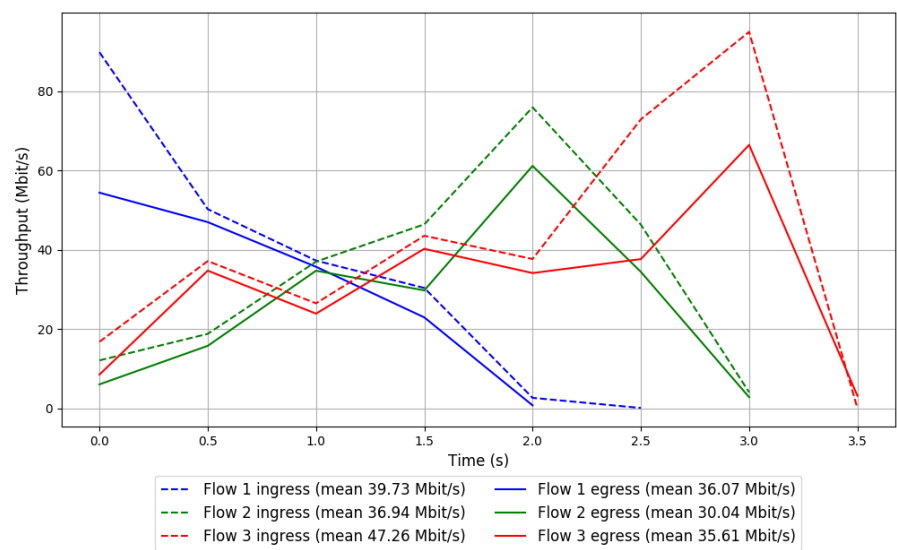
Start at: 2018-01-17 03:52:12

End at: 2018-01-17 03:52:42

Local clock offset: -1.497 ms

Remote clock offset: -17.714 ms

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

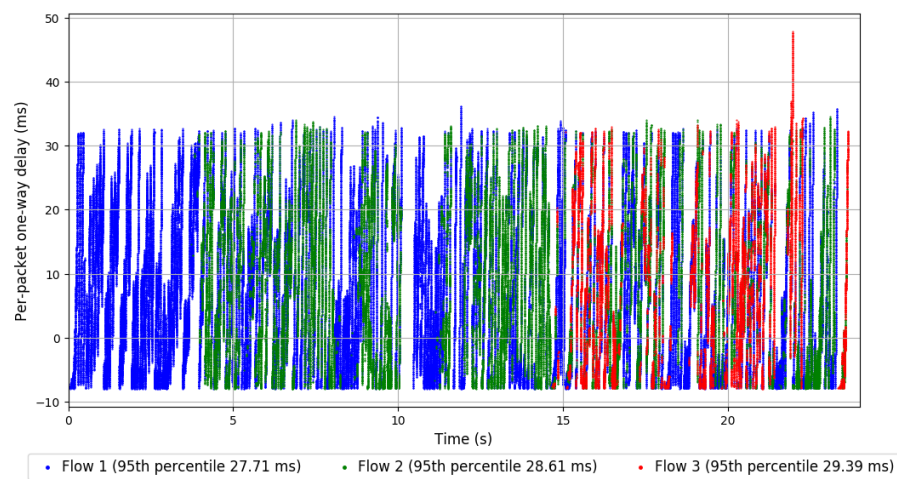
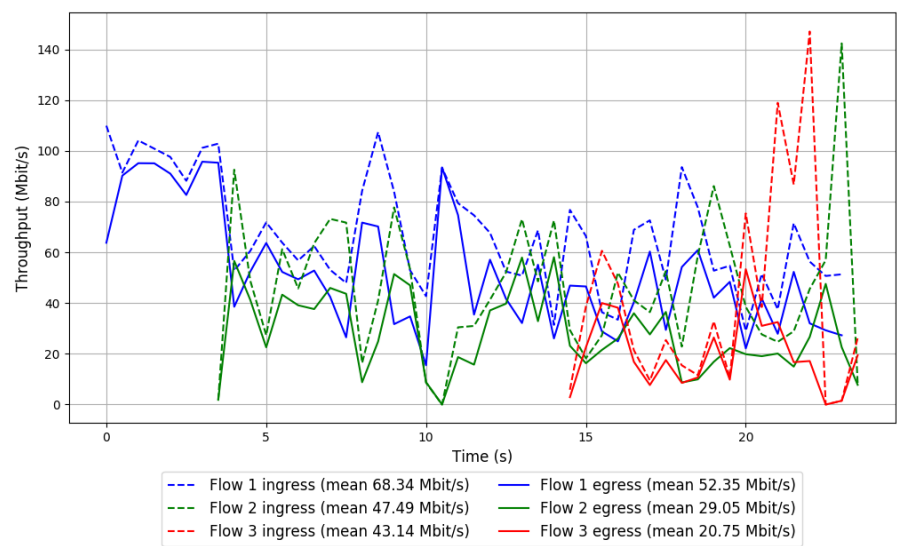
Start at: 2018-01-17 04:13:56

End at: 2018-01-17 04:14:26

Local clock offset: 1.691 ms

Remote clock offset: -20.502 ms

Run 5: Report of Verus — Data Link

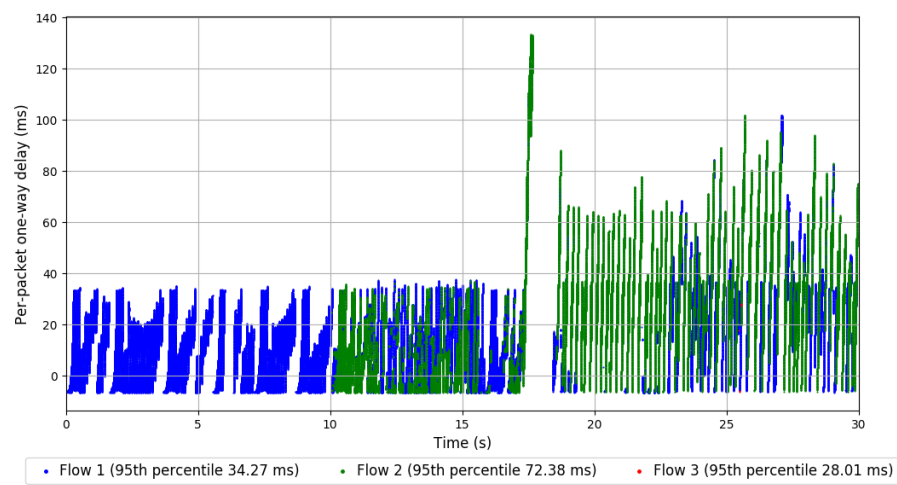
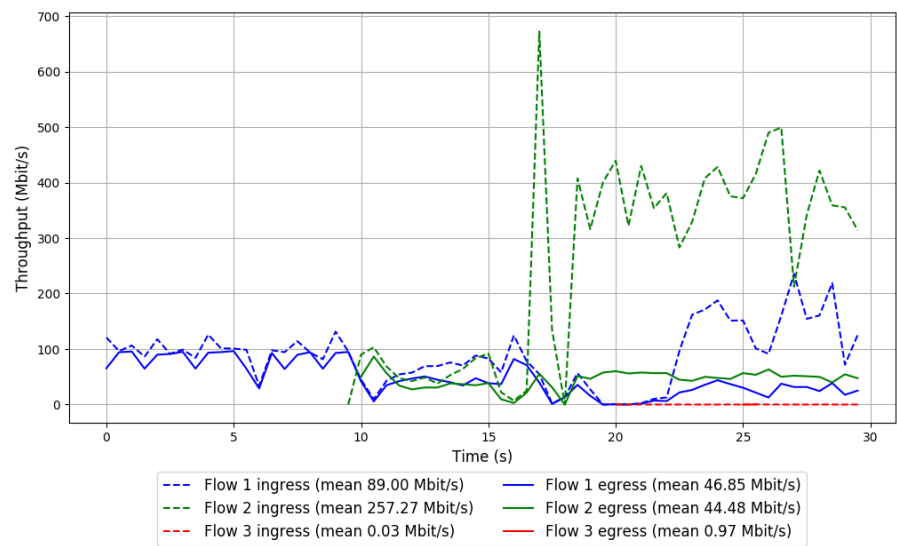


Run 6: Statistics of Verus

Start at: 2018-01-17 04:35:45
End at: 2018-01-17 04:36:15
Local clock offset: 0.603 ms
Remote clock offset: -19.743 ms

Below is generated by plot.py at 2018-01-17 06:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 59.046 ms
Loss rate: 70.58%
-- Flow 1:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 34.273 ms
Loss rate: 47.28%
-- Flow 2:
Average throughput: 44.48 Mbit/s
95th percentile per-packet one-way delay: 72.381 ms
Loss rate: 82.66%
-- Flow 3:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 28.013 ms
Loss rate: 72.00%

Run 6: Report of Verus — Data Link

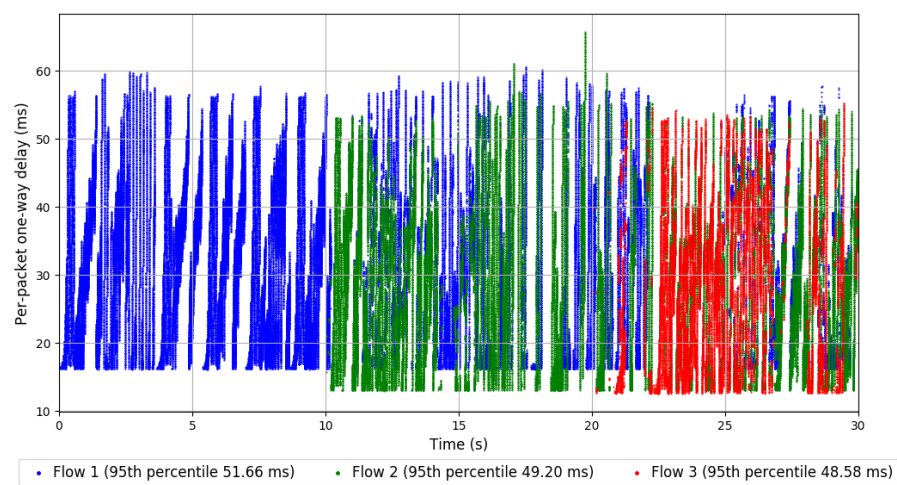
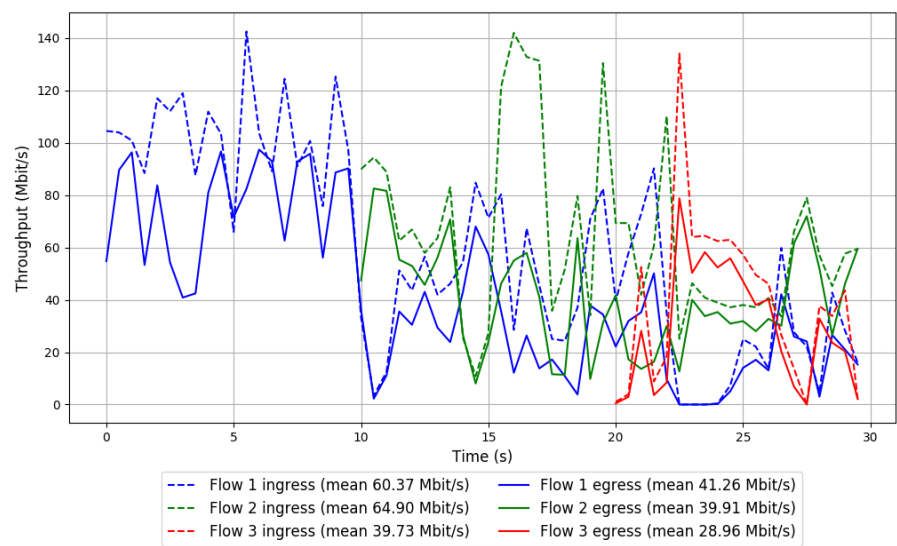


Run 7: Statistics of Verus

Start at: 2018-01-17 04:57:41
End at: 2018-01-17 04:58:11
Local clock offset: -0.44 ms
Remote clock offset: -2.491 ms

Below is generated by plot.py at 2018-01-17 06:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.01 Mbit/s
95th percentile per-packet one-way delay: 50.387 ms
Loss rate: 33.68%
-- Flow 1:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 51.661 ms
Loss rate: 31.68%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 49.200 ms
Loss rate: 38.43%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 48.577 ms
Loss rate: 27.12%

Run 7: Report of Verus — Data Link

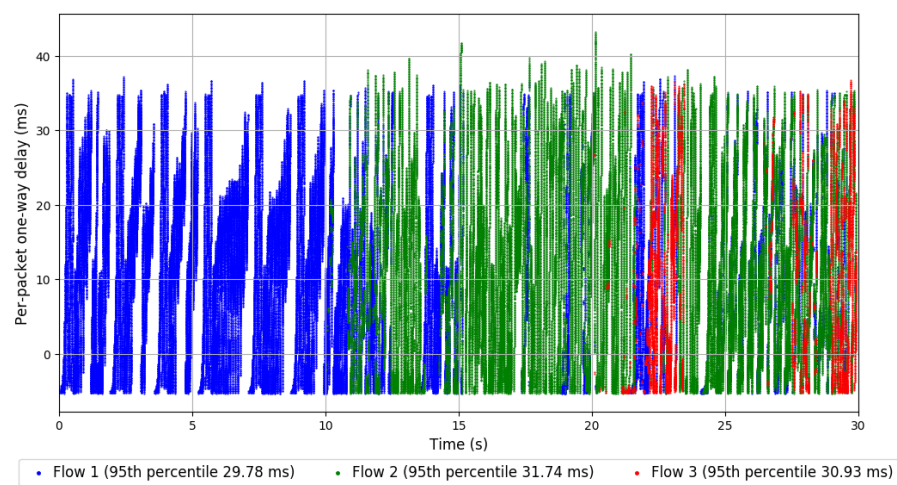
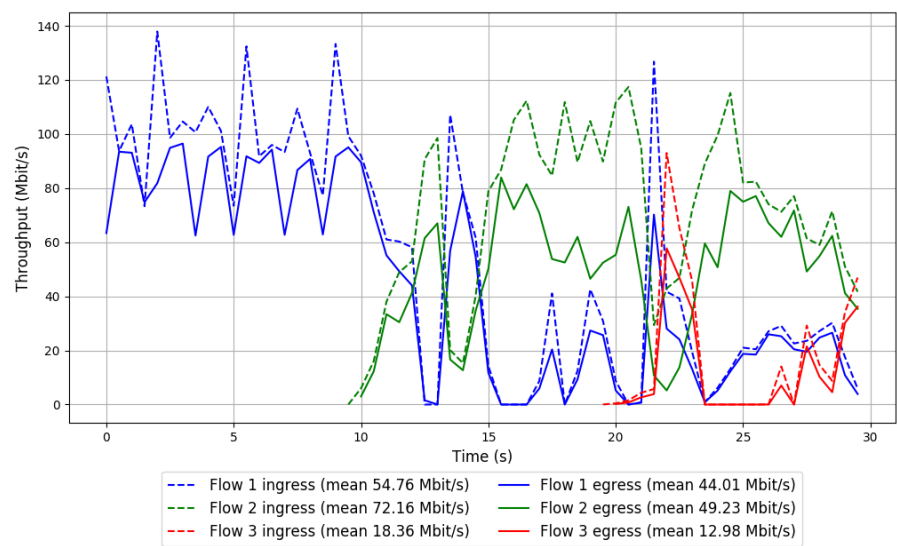


Run 8: Statistics of Verus

Start at: 2018-01-17 05:20:11
End at: 2018-01-17 05:20:41
Local clock offset: -2.828 ms
Remote clock offset: -22.259 ms

Below is generated by plot.py at 2018-01-17 06:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 30.752 ms
Loss rate: 25.50%
-- Flow 1:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 29.776 ms
Loss rate: 19.60%
-- Flow 2:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 31.73%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 30.929 ms
Loss rate: 29.38%

Run 8: Report of Verus — Data Link

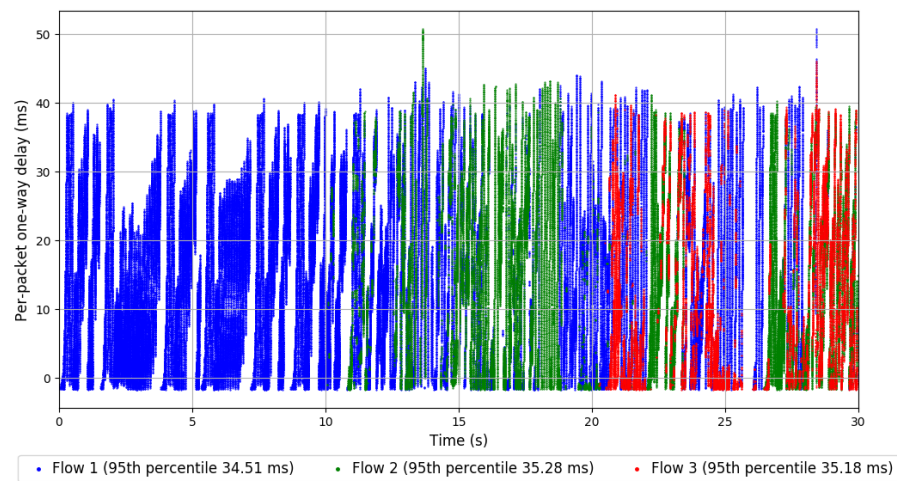
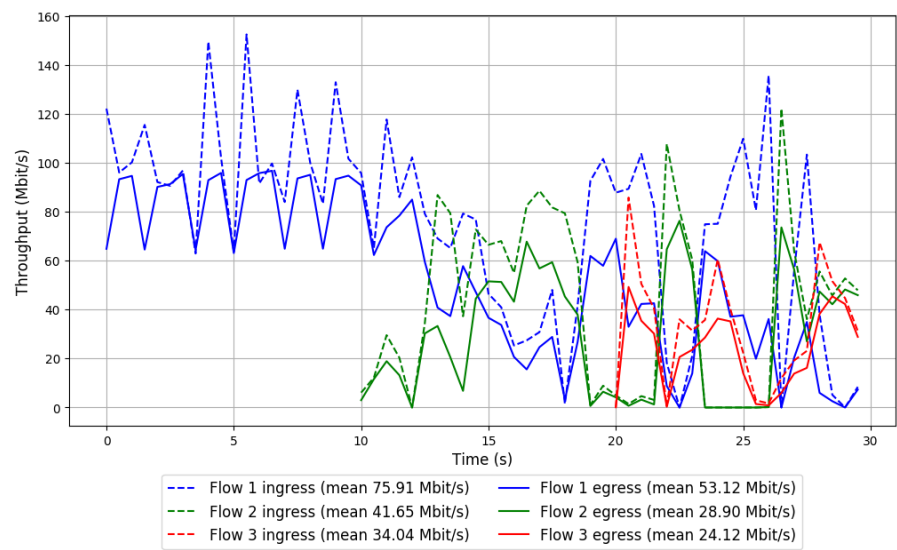


Run 9: Statistics of Verus

Start at: 2018-01-17 05:42:02
End at: 2018-01-17 05:42:32
Local clock offset: -4.222 ms
Remote clock offset: -19.997 ms

Below is generated by plot.py at 2018-01-17 06:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 34.809 ms
Loss rate: 30.05%
-- Flow 1:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 34.505 ms
Loss rate: 30.00%
-- Flow 2:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 35.285 ms
Loss rate: 30.58%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 35.184 ms
Loss rate: 29.06%

Run 9: Report of Verus — Data Link

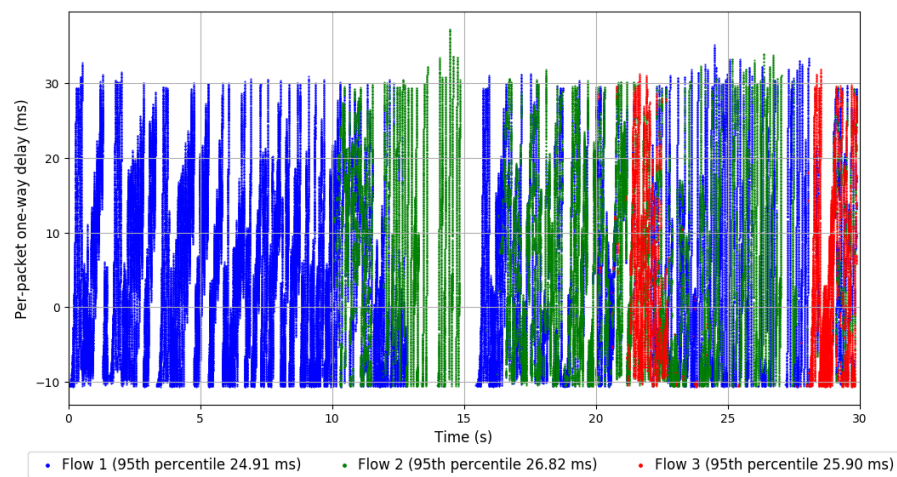
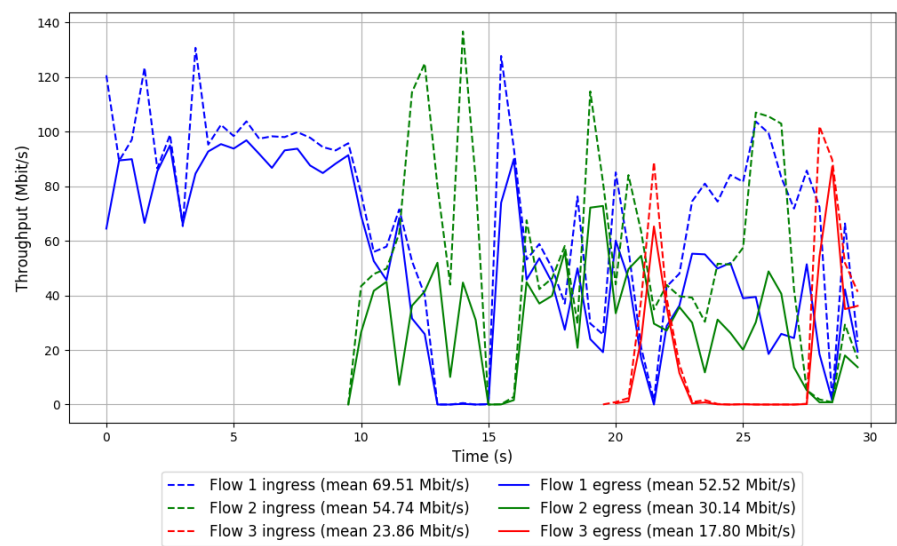


Run 10: Statistics of Verus

Start at: 2018-01-17 06:04:00
End at: 2018-01-17 06:04:30
Local clock offset: 2.111 ms
Remote clock offset: -23.145 ms

Below is generated by plot.py at 2018-01-17 06:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 25.583 ms
Loss rate: 31.03%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 24.909 ms
Loss rate: 24.38%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 26.823 ms
Loss rate: 44.89%
-- Flow 3:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 25.899 ms
Loss rate: 25.49%

Run 10: Report of Verus — Data Link

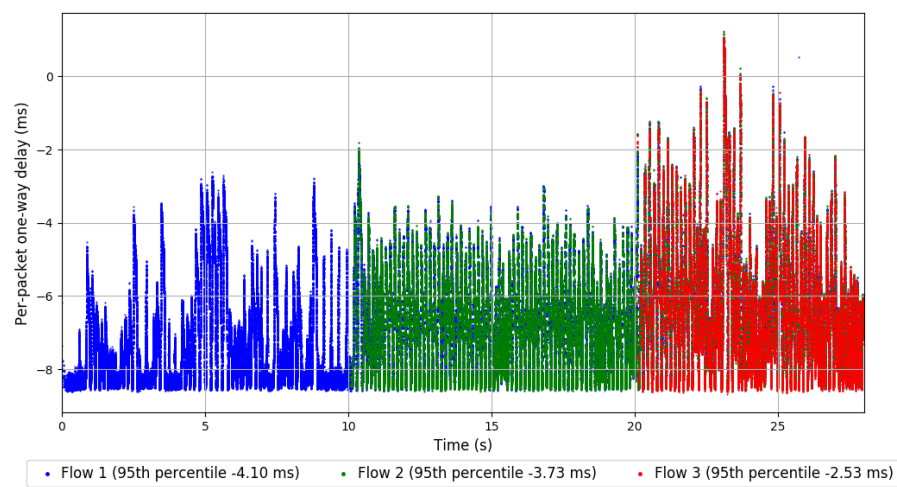
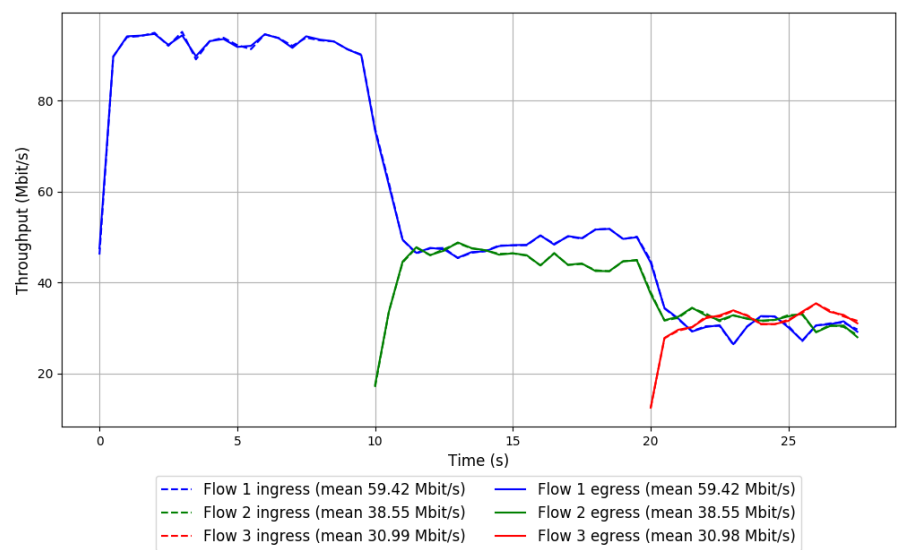


Run 1: Statistics of Copa

Start at: 2018-01-17 02:30:00
End at: 2018-01-17 02:30:30
Local clock offset: -0.298 ms
Remote clock offset: -17.825 ms

Below is generated by plot.py at 2018-01-17 06:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: -3.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: -4.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: -3.725 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: -2.532 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

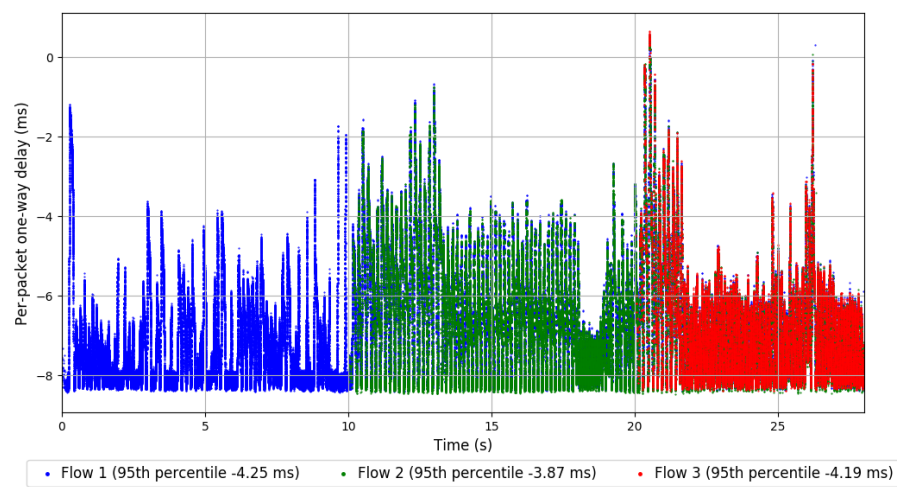
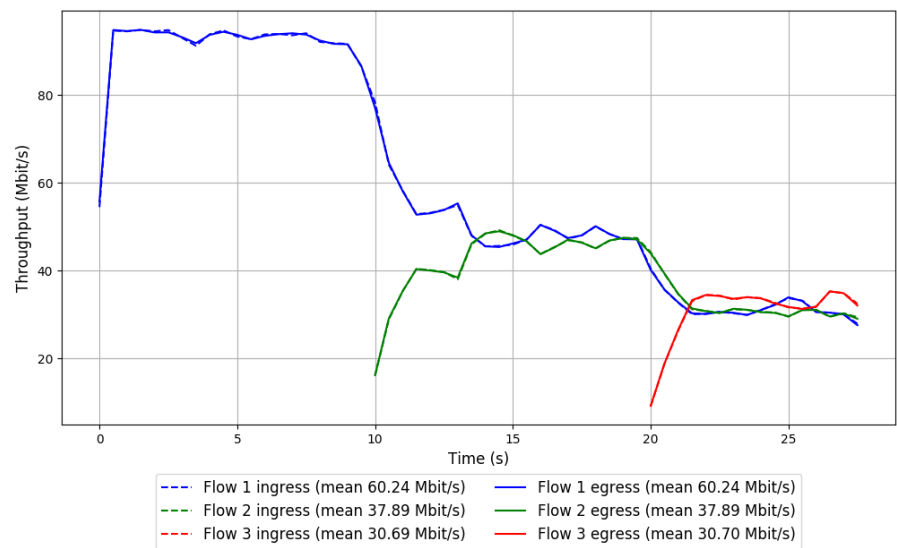


Run 2: Statistics of Copa

Start at: 2018-01-17 02:52:11
End at: 2018-01-17 02:52:41
Local clock offset: 0.26 ms
Remote clock offset: -17.922 ms

Below is generated by plot.py at 2018-01-17 06:54:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: -4.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: -4.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: -3.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: -4.186 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

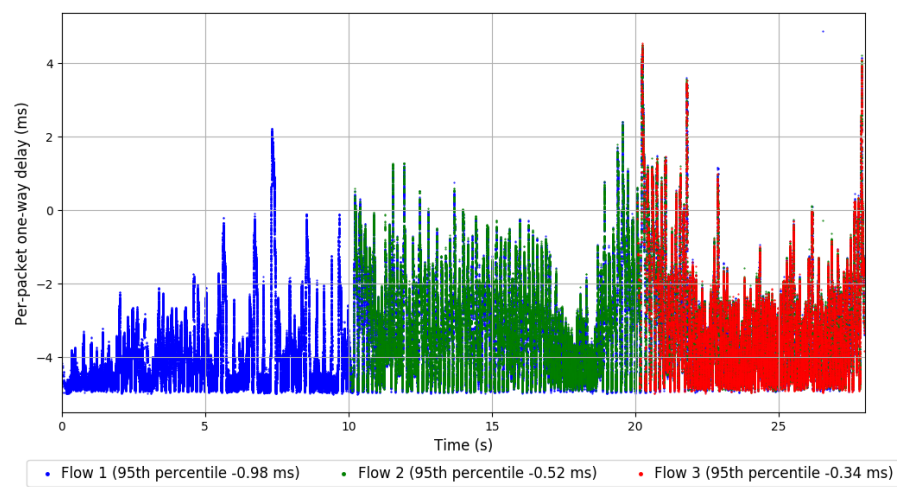
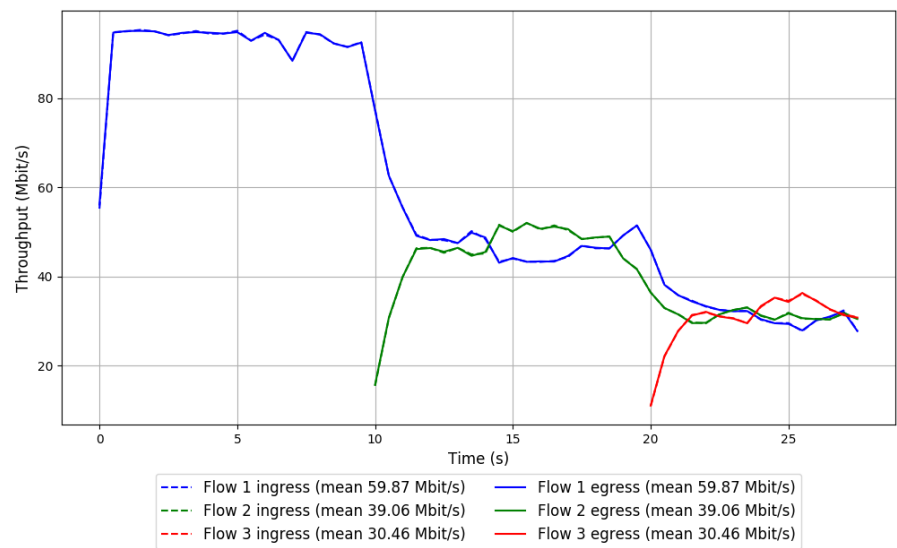


Run 3: Statistics of Copa

Start at: 2018-01-17 03:13:52
End at: 2018-01-17 03:14:22
Local clock offset: -2.731 ms
Remote clock offset: -17.547 ms

Below is generated by plot.py at 2018-01-17 06:54:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: -0.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: -0.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: -0.524 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: -0.340 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

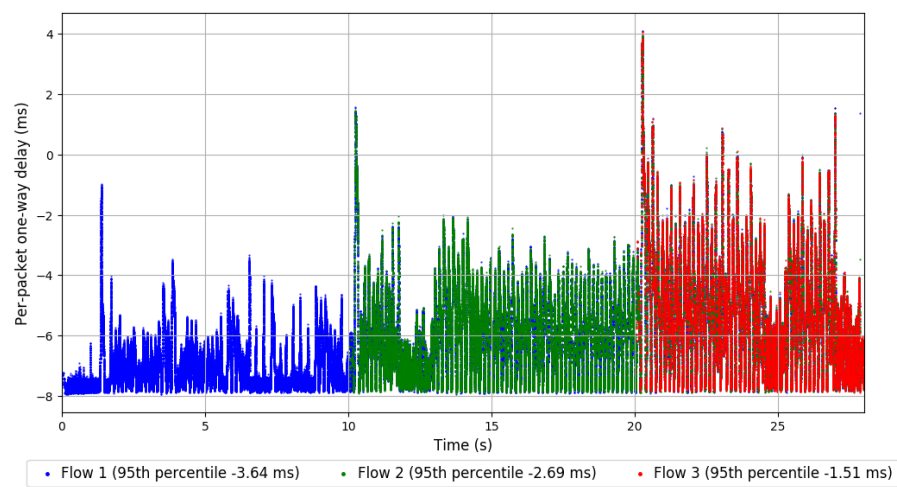
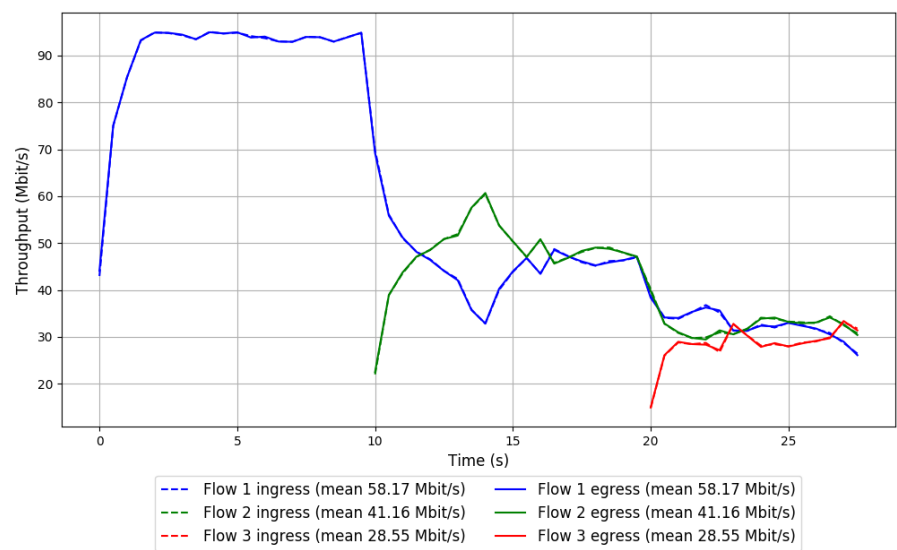


Run 4: Statistics of Copa

Start at: 2018-01-17 03:35:26
End at: 2018-01-17 03:35:56
Local clock offset: 1.529 ms
Remote clock offset: -18.012 ms

Below is generated by plot.py at 2018-01-17 06:55:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: -2.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: -3.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.16 Mbit/s
95th percentile per-packet one-way delay: -2.691 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: -1.510 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

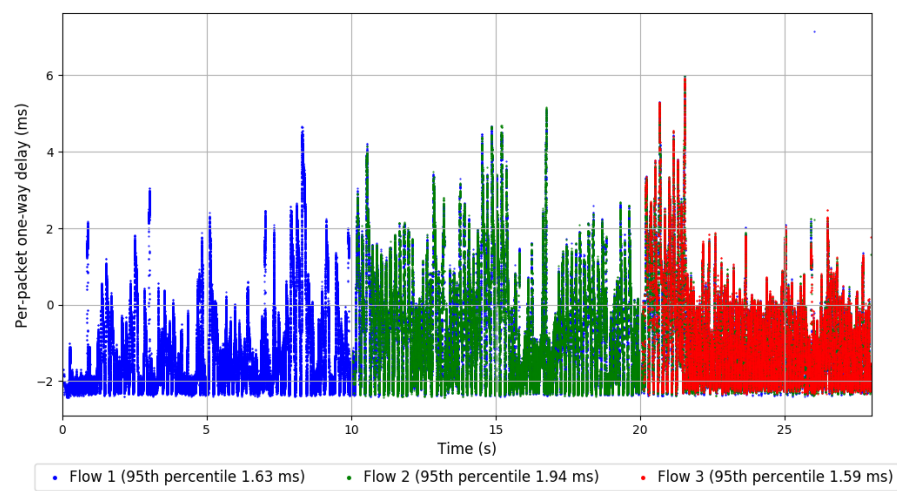
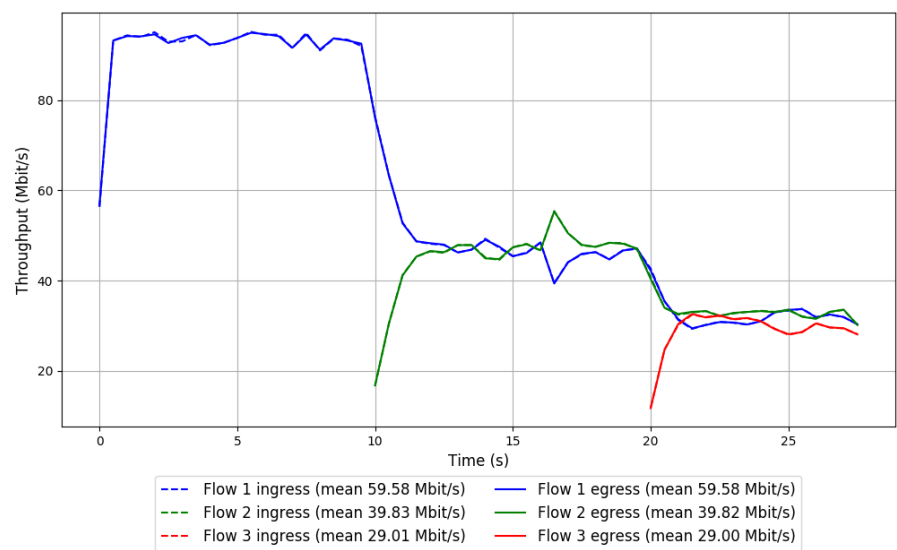


Run 5: Statistics of Copa

Start at: 2018-01-17 03:57:09
End at: 2018-01-17 03:57:39
Local clock offset: -2.599 ms
Remote clock offset: -17.952 ms

Below is generated by plot.py at 2018-01-17 06:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 1.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 1.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 1.937 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 1.587 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

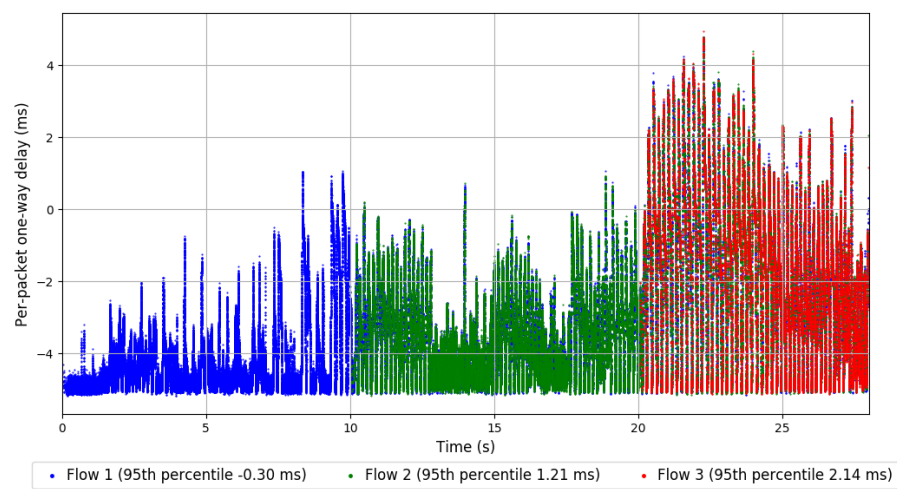
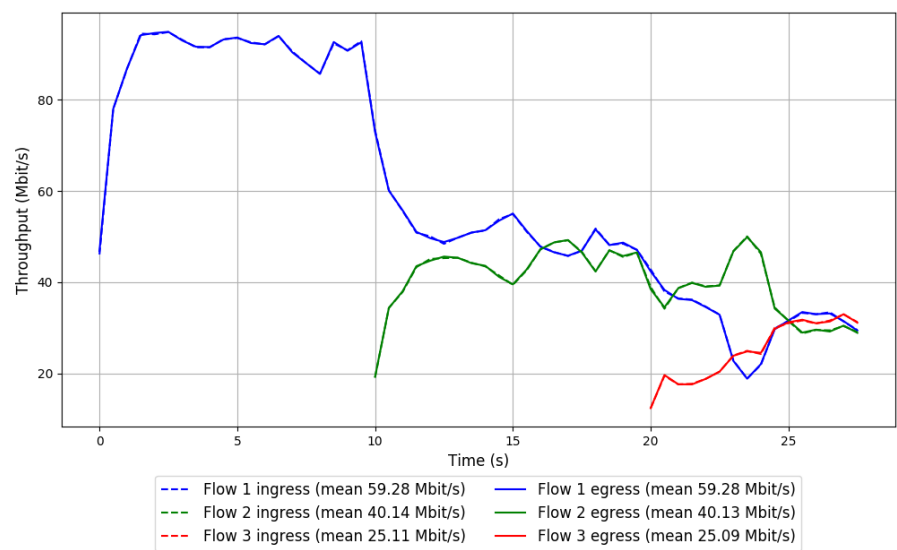


Run 6: Statistics of Copa

Start at: 2018-01-17 04:19:02
End at: 2018-01-17 04:19:32
Local clock offset: 0.068 ms
Remote clock offset: -19.795 ms

```
# Below is generated by plot.py at 2018-01-17 06:55:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 0.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: -0.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 2.141 ms
Loss rate: 0.00%
```


Run 6: Report of Copa — Data Link

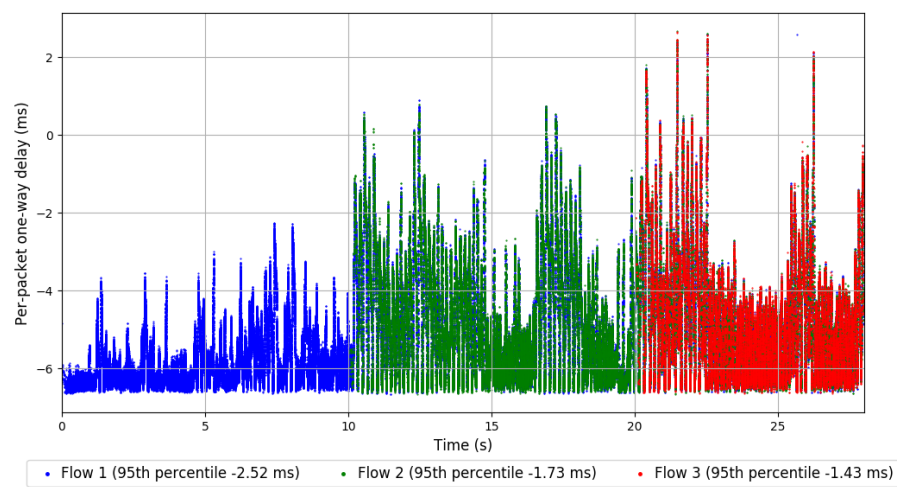
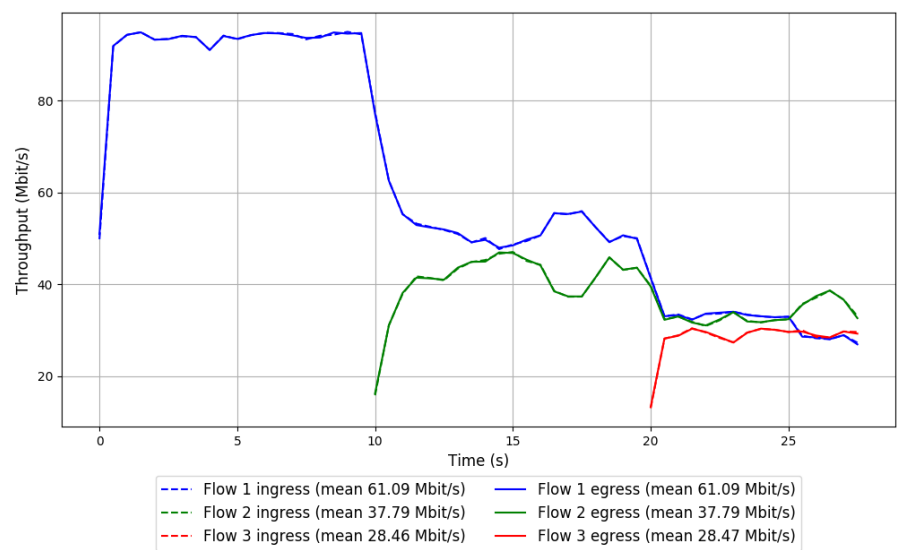


Run 7: Statistics of Copa

Start at: 2018-01-17 04:40:36
End at: 2018-01-17 04:41:06
Local clock offset: 1.423 ms
Remote clock offset: -18.767 ms

Below is generated by plot.py at 2018-01-17 06:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: -2.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: -2.519 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: -1.727 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: -1.434 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

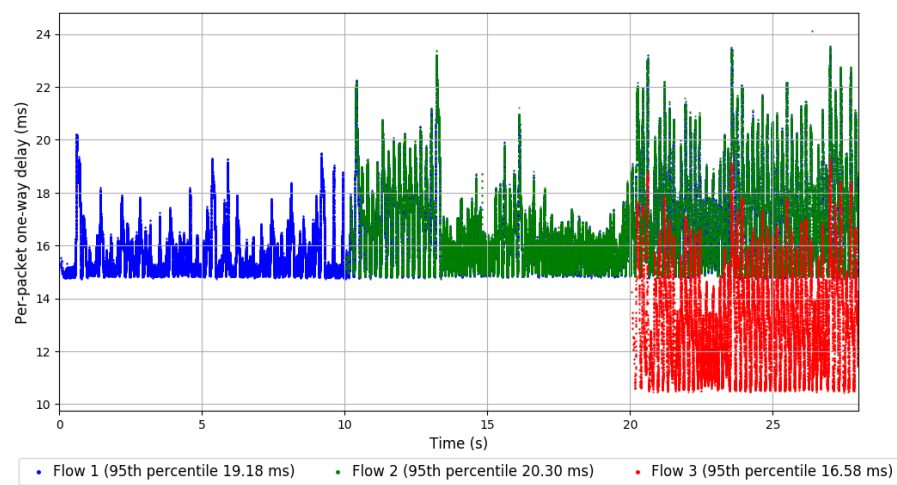
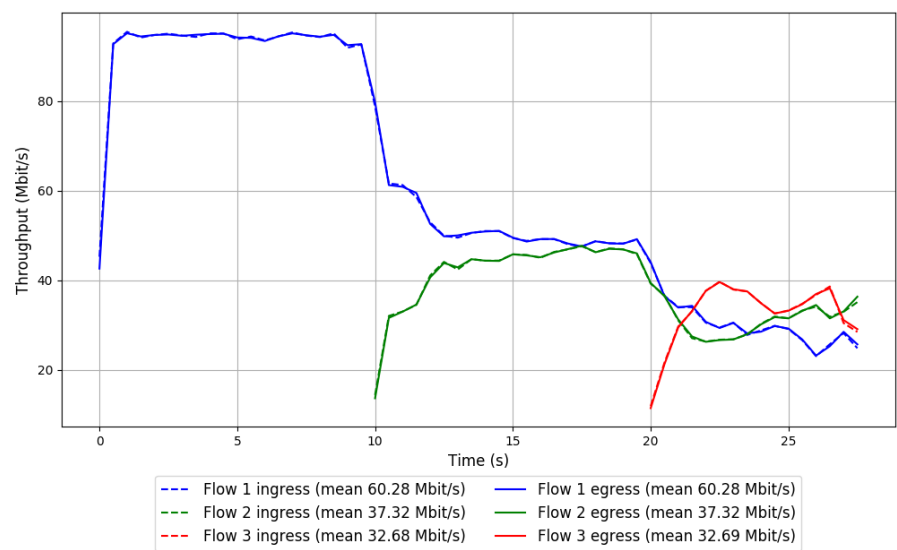


Run 8: Statistics of Copa

Start at: 2018-01-17 05:02:47
End at: 2018-01-17 05:03:17
Local clock offset: 0.793 ms
Remote clock offset: -2.773 ms

Below is generated by plot.py at 2018-01-17 06:56:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 16.583 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

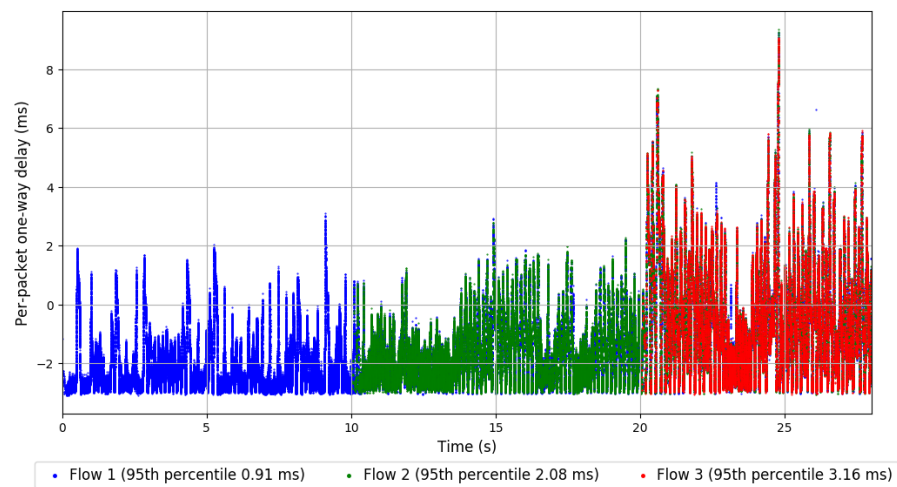
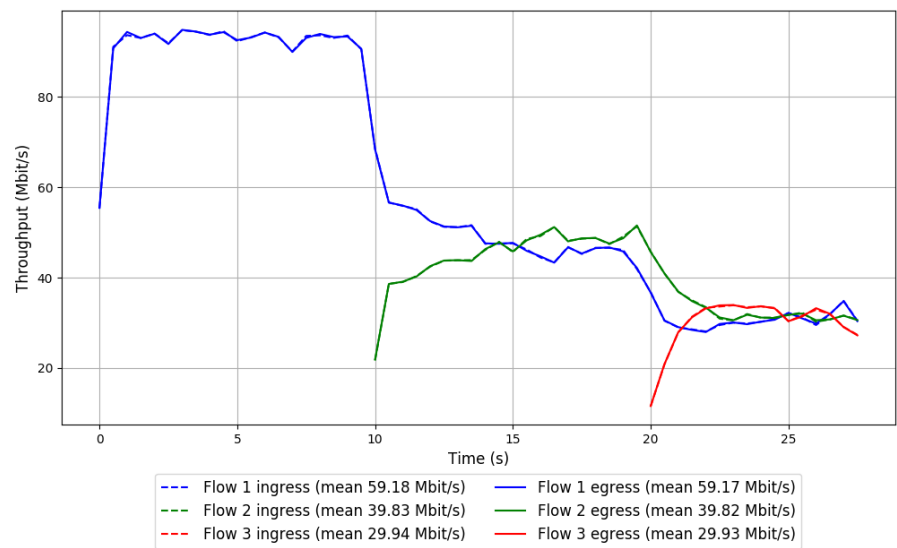


Run 9: Statistics of Copa

Start at: 2018-01-17 05:25:09
End at: 2018-01-17 05:25:39
Local clock offset: -2.405 ms
Remote clock offset: -19.644 ms

Below is generated by plot.py at 2018-01-17 06:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 1.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 0.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 2.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 3.161 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

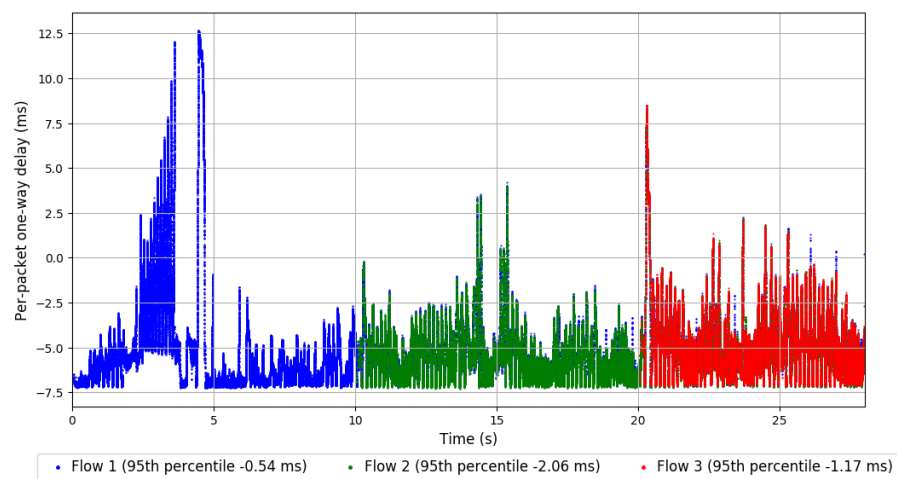
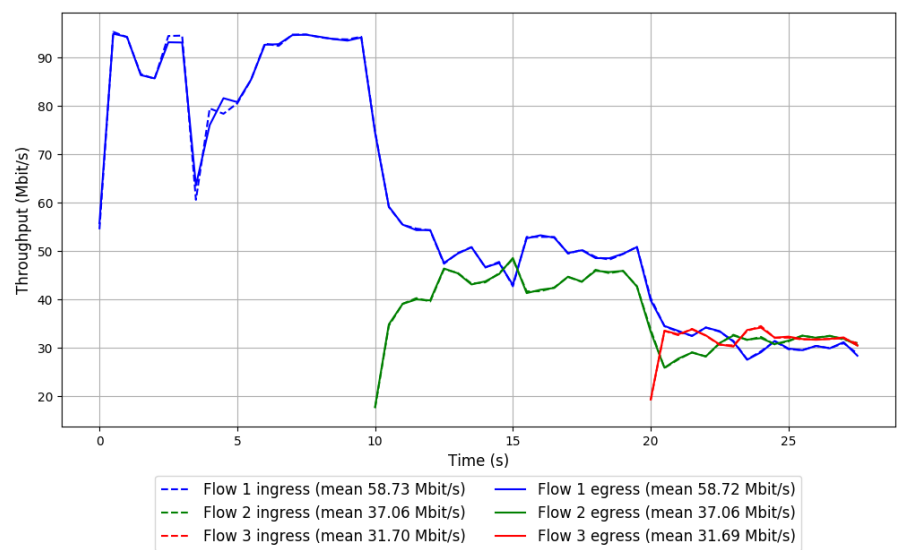


Run 10: Statistics of Copa

Start at: 2018-01-17 05:46:57
End at: 2018-01-17 05:47:27
Local clock offset: -0.69 ms
Remote clock offset: -22.154 ms

Below is generated by plot.py at 2018-01-17 06:56:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: -1.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: -0.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: -2.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: -1.171 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

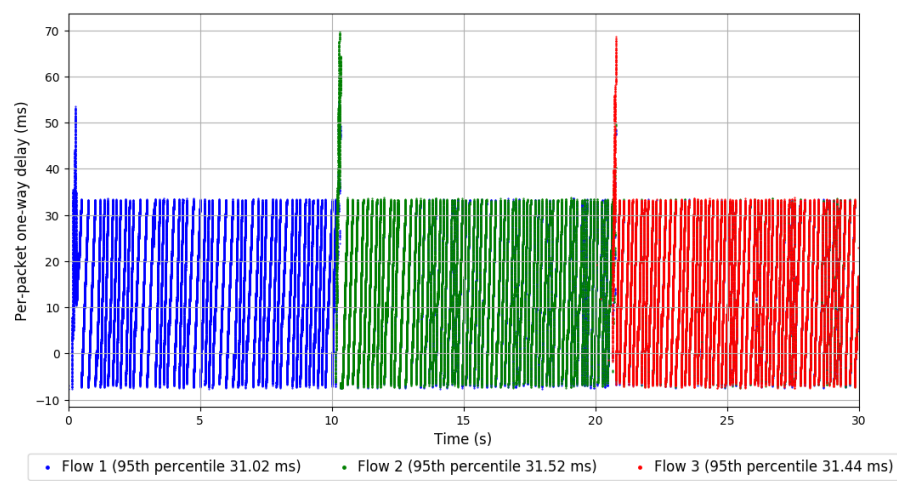
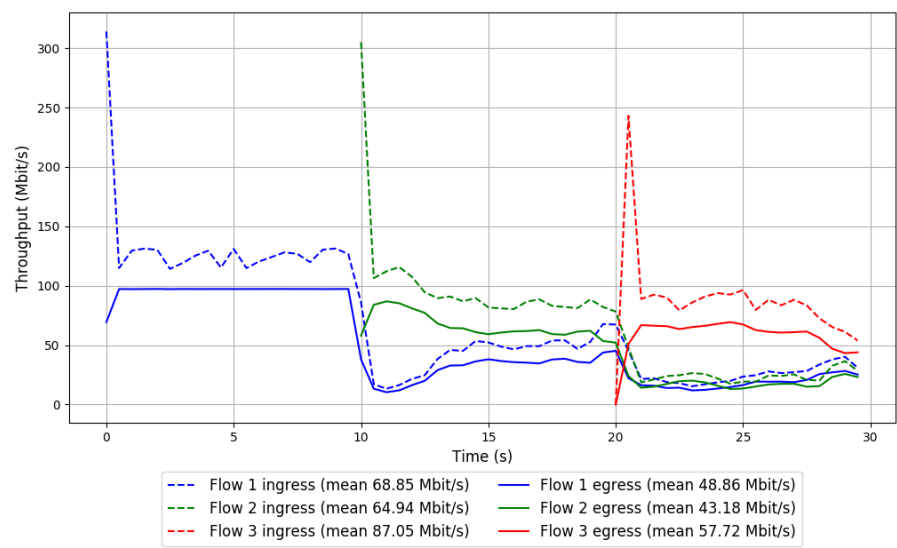


Run 1: Statistics of FillP

Start at: 2018-01-17 02:27:34
End at: 2018-01-17 02:28:04
Local clock offset: -0.515 ms
Remote clock offset: -16.835 ms

Below is generated by plot.py at 2018-01-17 06:56:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.72 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 31.31%
-- Flow 1:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 31.024 ms
Loss rate: 28.98%
-- Flow 2:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 31.516 ms
Loss rate: 33.44%
-- Flow 3:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 31.443 ms
Loss rate: 33.66%

Run 1: Report of FillP — Data Link

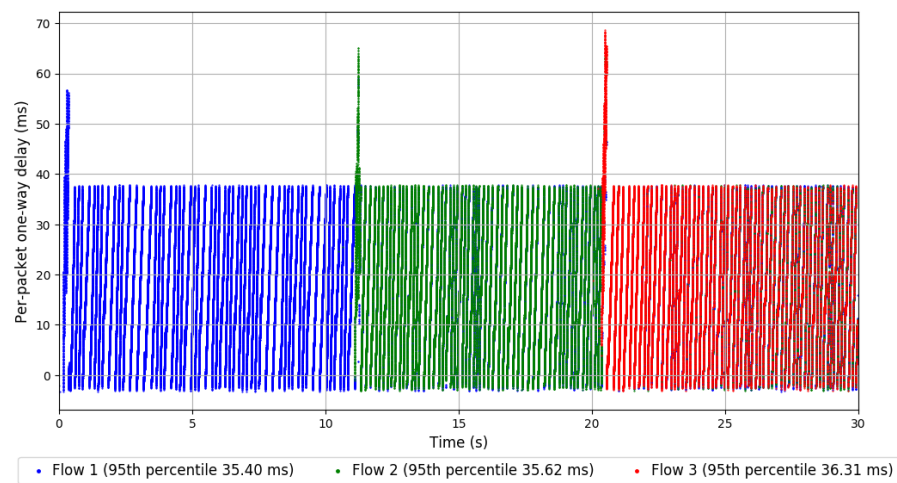
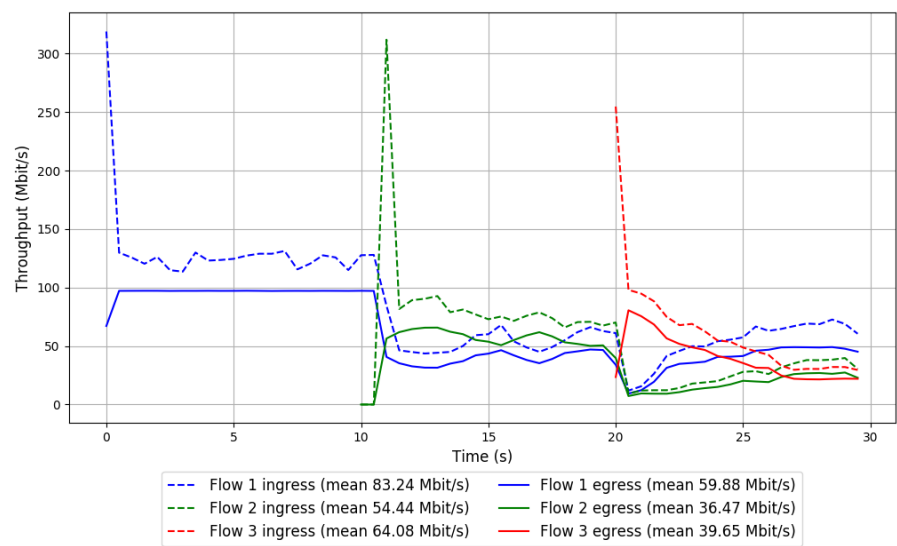


Run 2: Statistics of FillP

Start at: 2018-01-17 02:49:46
End at: 2018-01-17 02:50:16
Local clock offset: -4.4 ms
Remote clock offset: -17.259 ms

Below is generated by plot.py at 2018-01-17 06:57:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 35.572 ms
Loss rate: 31.25%
-- Flow 1:
Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 35.395 ms
Loss rate: 28.02%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 35.623 ms
Loss rate: 34.59%
-- Flow 3:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 36.306 ms
Loss rate: 38.17%

Run 2: Report of FillP — Data Link

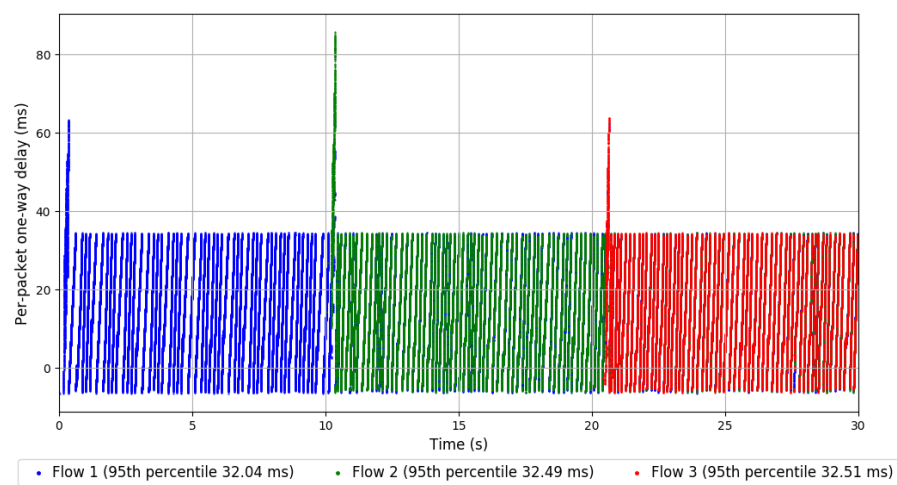
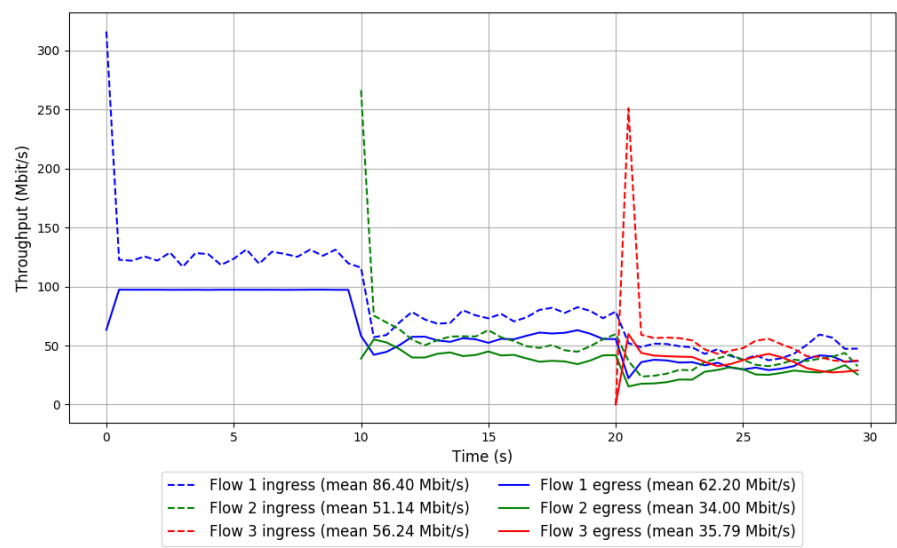


Run 3: Statistics of FillP

Start at: 2018-01-17 03:11:29
End at: 2018-01-17 03:11:59
Local clock offset: -0.04 ms
Remote clock offset: -16.287 ms

Below is generated by plot.py at 2018-01-17 06:57:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 32.210 ms
Loss rate: 30.46%
-- Flow 1:
Average throughput: 62.20 Mbit/s
95th percentile per-packet one-way delay: 32.036 ms
Loss rate: 27.96%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 32.492 ms
Loss rate: 33.53%
-- Flow 3:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 32.514 ms
Loss rate: 36.44%

Run 3: Report of FillP — Data Link

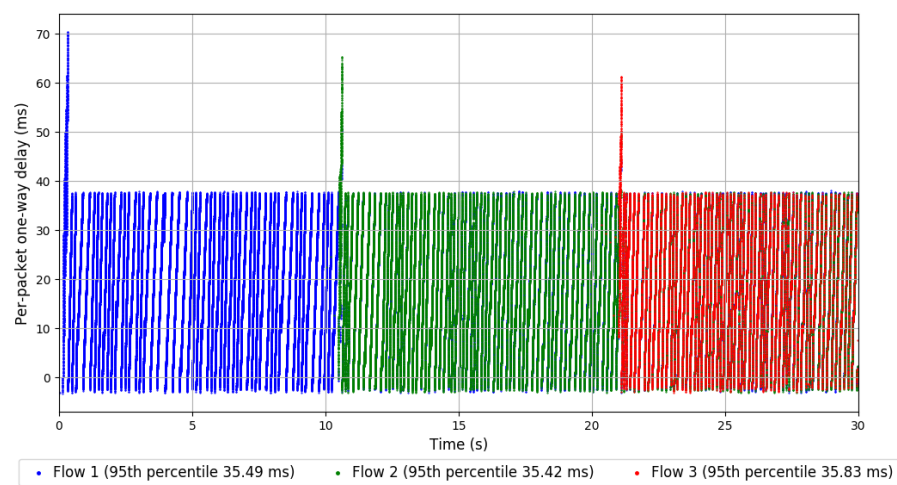
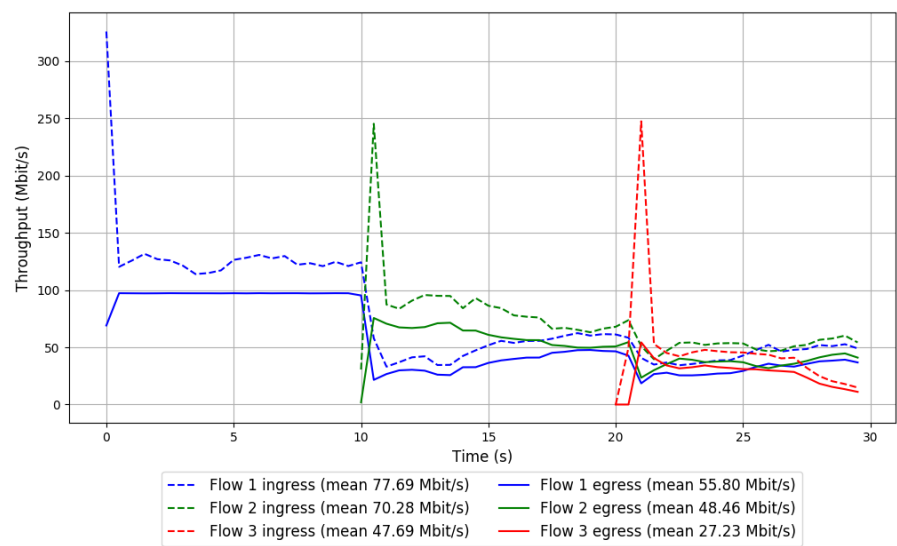


Run 4: Statistics of FillP

Start at: 2018-01-17 03:33:00
End at: 2018-01-17 03:33:30
Local clock offset: -0.87 ms
Remote clock offset: -15.505 ms

Below is generated by plot.py at 2018-01-17 06:57:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 35.496 ms
Loss rate: 31.02%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 35.495 ms
Loss rate: 28.17%
-- Flow 2:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 35.420 ms
Loss rate: 31.12%
-- Flow 3:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 35.828 ms
Loss rate: 44.79%

Run 4: Report of FillP — Data Link

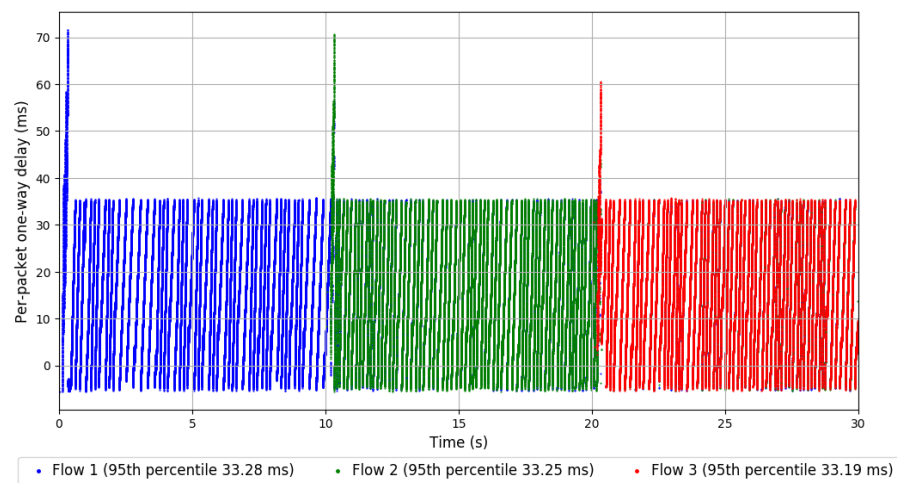
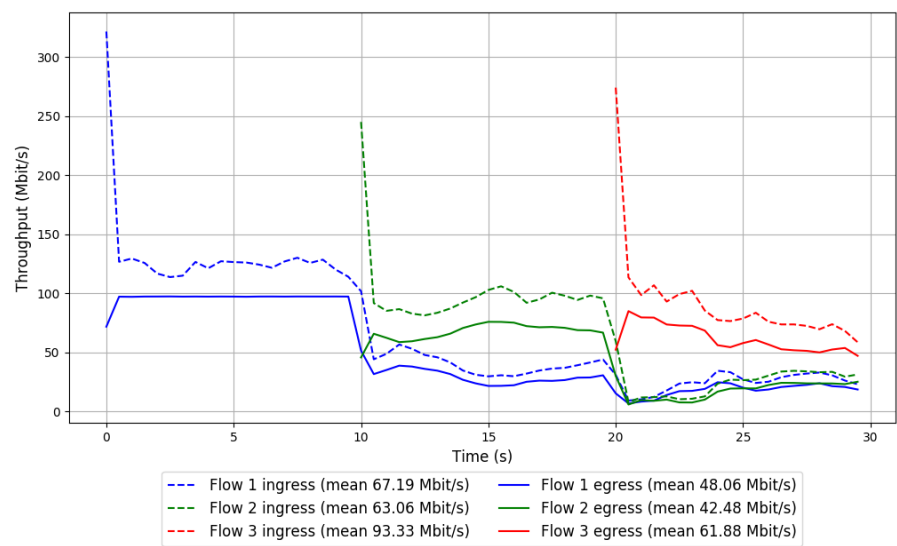


Run 5: Statistics of FillP

Start at: 2018-01-17 03:54:36
End at: 2018-01-17 03:55:06
Local clock offset: 0.265 ms
Remote clock offset: -18.195 ms

Below is generated by plot.py at 2018-01-17 06:57:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 33.253 ms
Loss rate: 30.88%
-- Flow 1:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 33.276 ms
Loss rate: 28.44%
-- Flow 2:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 33.252 ms
Loss rate: 32.62%
-- Flow 3:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 33.193 ms
Loss rate: 33.84%

Run 5: Report of FillP — Data Link

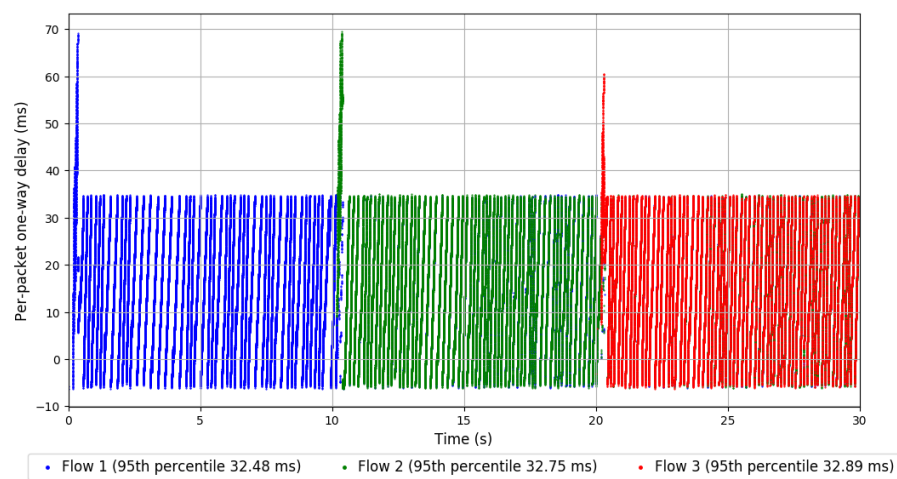
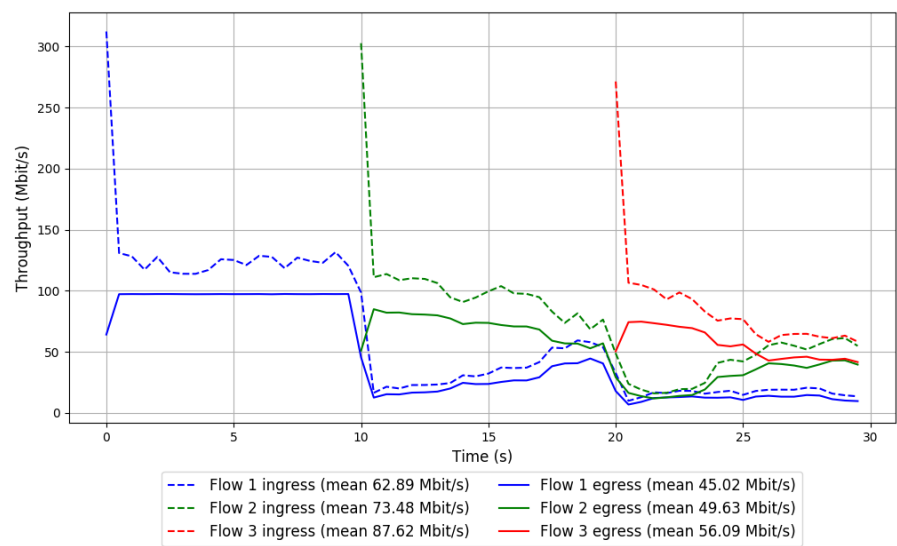


Run 6: Statistics of FillP

Start at: 2018-01-17 04:16:32
End at: 2018-01-17 04:17:02
Local clock offset: -0.268 ms
Remote clock offset: -21.052 ms

Below is generated by plot.py at 2018-01-17 06:58:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 32.648 ms
Loss rate: 31.35%
-- Flow 1:
Average throughput: 45.02 Mbit/s
95th percentile per-packet one-way delay: 32.479 ms
Loss rate: 28.38%
-- Flow 2:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 32.750 ms
Loss rate: 32.46%
-- Flow 3:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 32.889 ms
Loss rate: 35.91%

Run 6: Report of FillP — Data Link

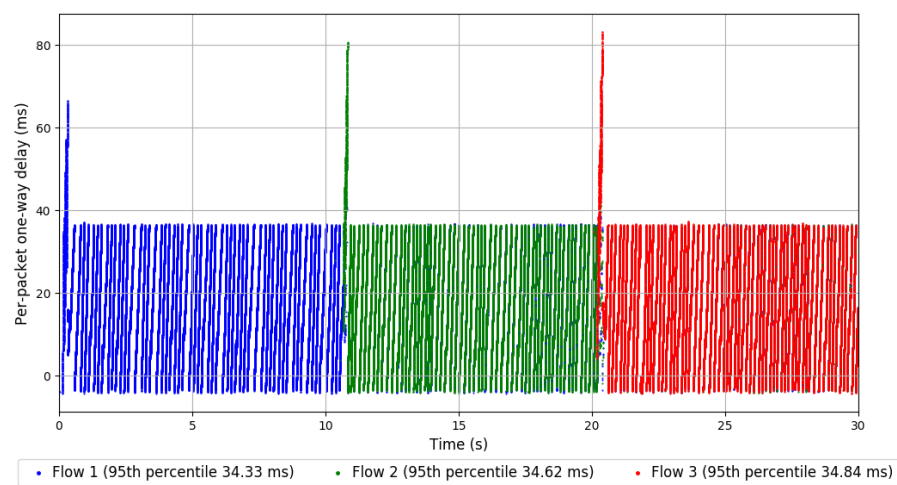
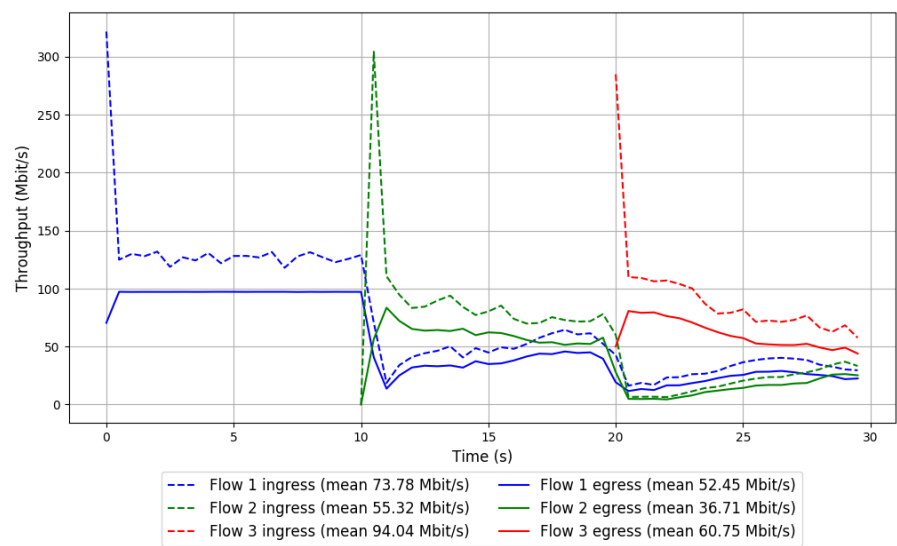


Run 7: Statistics of FillP

Start at: 2018-01-17 04:38:14
End at: 2018-01-17 04:38:44
Local clock offset: -2.953 ms
Remote clock offset: -20.995 ms

Below is generated by plot.py at 2018-01-17 06:58:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 34.496 ms
Loss rate: 31.70%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 34.332 ms
Loss rate: 28.86%
-- Flow 2:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 34.617 ms
Loss rate: 34.16%
-- Flow 3:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 34.838 ms
Loss rate: 35.51%

Run 7: Report of FillP — Data Link

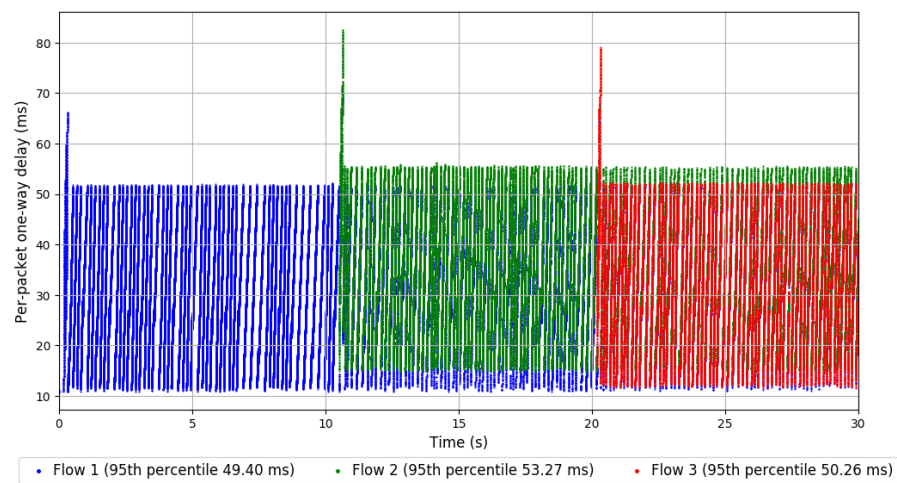
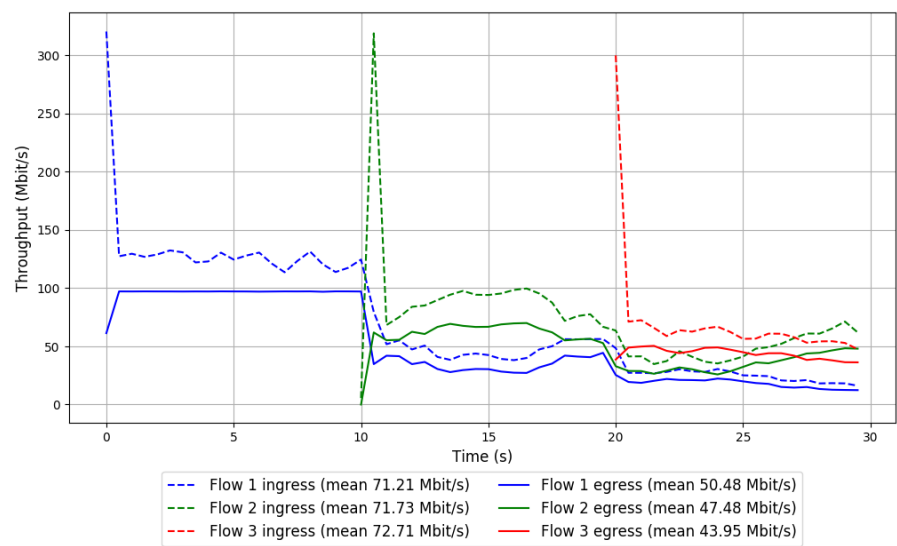


Run 8: Statistics of FillP

Start at: 2018-01-17 05:00:19
End at: 2018-01-17 05:00:49
Local clock offset: 0.887 ms
Remote clock offset: -3.038 ms

Below is generated by plot.py at 2018-01-17 06:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 32.37%
-- Flow 1:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 49.401 ms
Loss rate: 29.04%
-- Flow 2:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 53.272 ms
Loss rate: 33.78%
-- Flow 3:
Average throughput: 43.95 Mbit/s
95th percentile per-packet one-way delay: 50.262 ms
Loss rate: 39.42%

Run 8: Report of FillP — Data Link

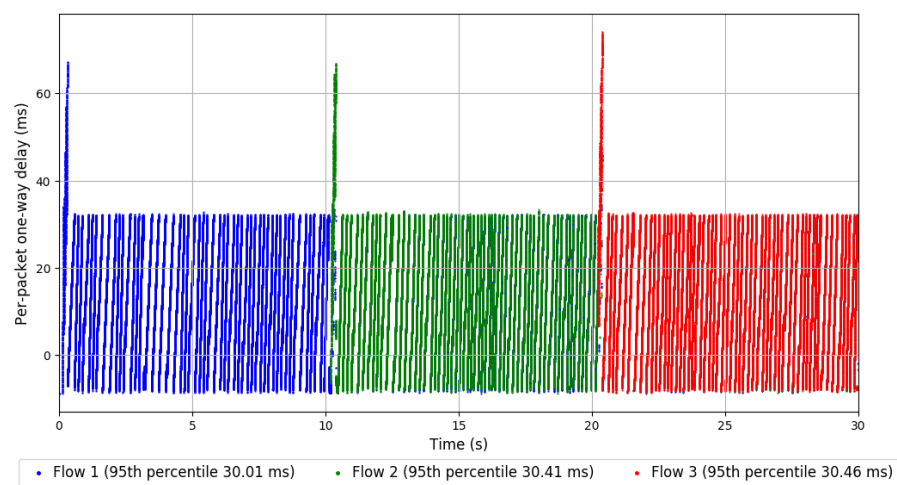
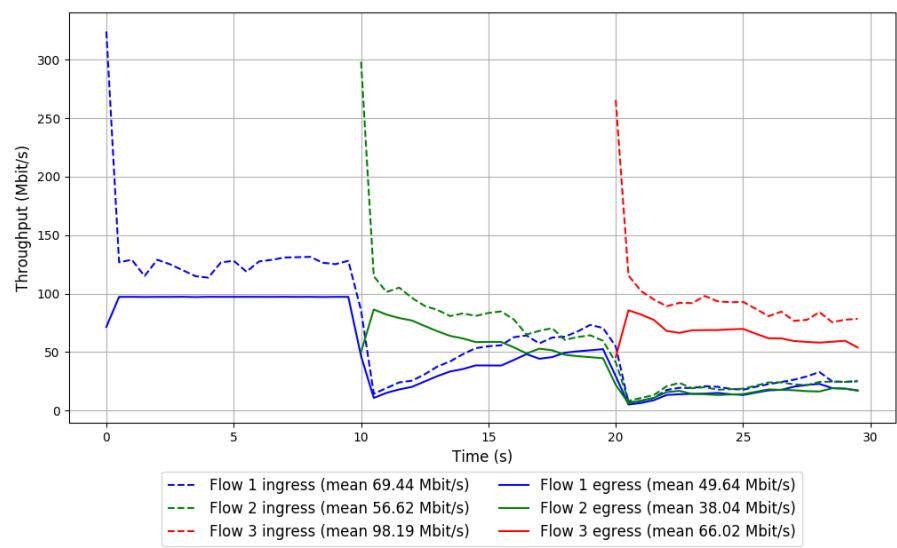


Run 9: Statistics of FillP

Start at: 2018-01-17 05:22:42
End at: 2018-01-17 05:23:12
Local clock offset: 1.975 ms
Remote clock offset: -20.94 ms

Below is generated by plot.py at 2018-01-17 06:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 30.216 ms
Loss rate: 30.71%
-- Flow 1:
Average throughput: 49.64 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 28.50%
-- Flow 2:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 30.408 ms
Loss rate: 32.90%
-- Flow 3:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 30.458 ms
Loss rate: 32.87%

Run 9: Report of FillP — Data Link

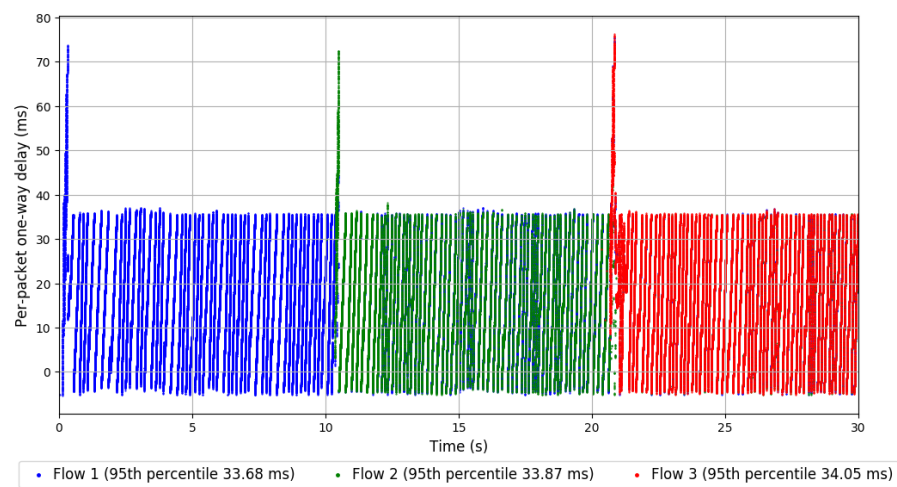
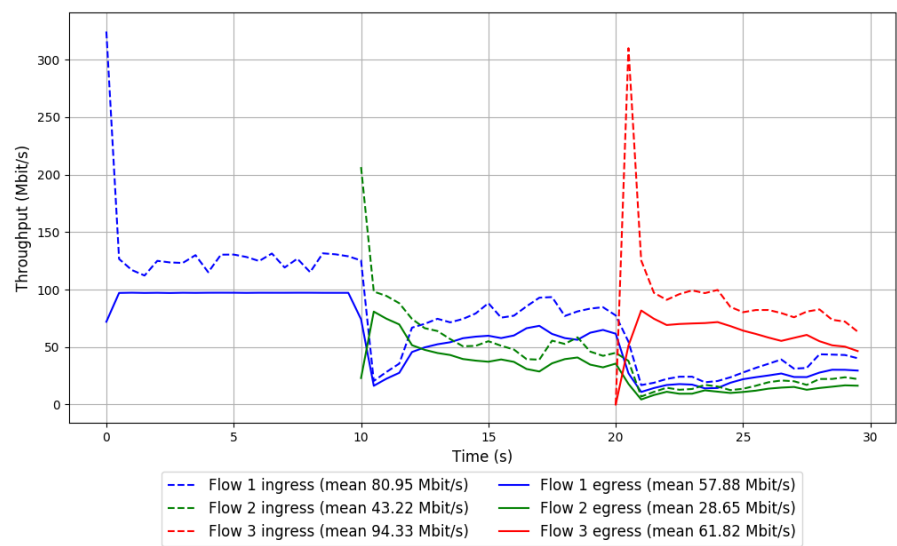


Run 10: Statistics of FillP

Start at: 2018-01-17 05:44:33
End at: 2018-01-17 05:45:03
Local clock offset: -2.149 ms
Remote clock offset: -21.512 ms

Below is generated by plot.py at 2018-01-17 06:59:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 33.792 ms
Loss rate: 31.31%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 33.680 ms
Loss rate: 28.44%
-- Flow 2:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 33.870 ms
Loss rate: 33.74%
-- Flow 3:
Average throughput: 61.82 Mbit/s
95th percentile per-packet one-way delay: 34.052 ms
Loss rate: 36.51%

Run 10: Report of FillP — Data Link

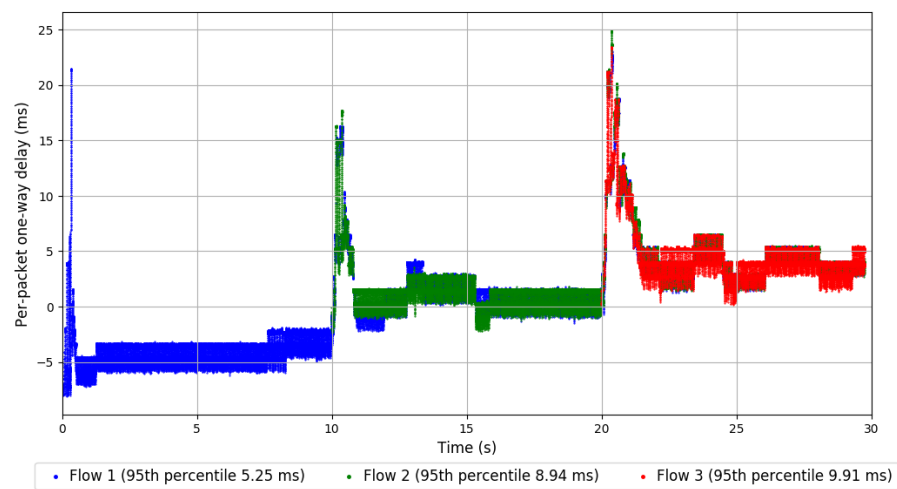
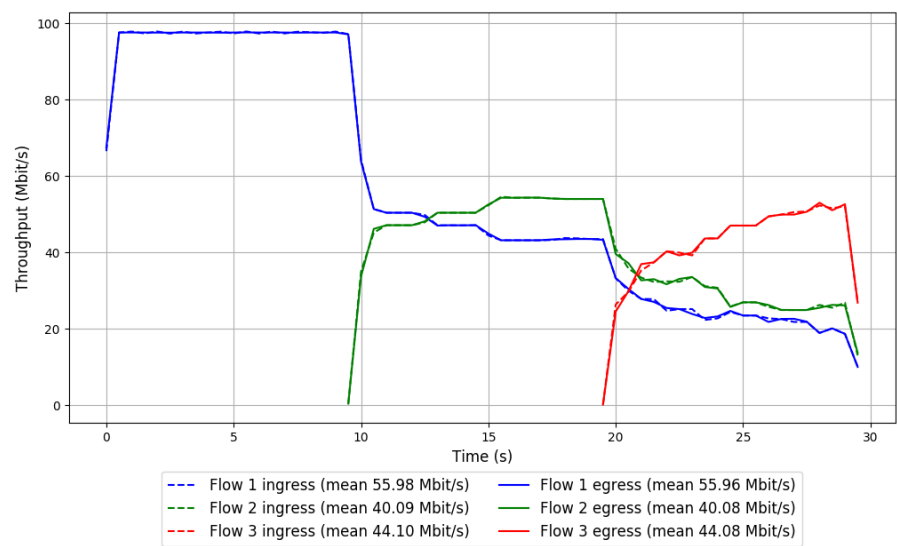


```
Run 1: Statistics of Indigo

Start at: 2018-01-17 02:28:46
End at: 2018-01-17 02:29:16
Local clock offset: -1.693 ms
Remote clock offset: -18.627 ms

# Below is generated by plot.py at 2018-01-17 06:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 6.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 5.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 8.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 9.909 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

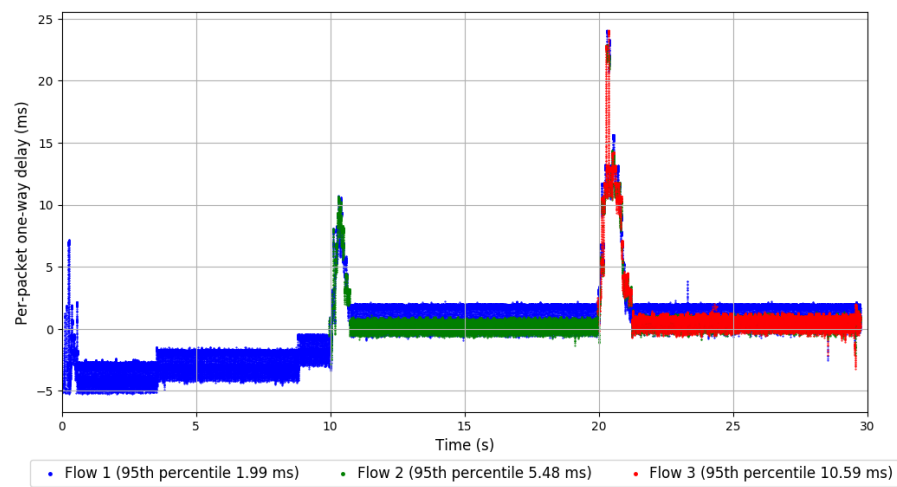
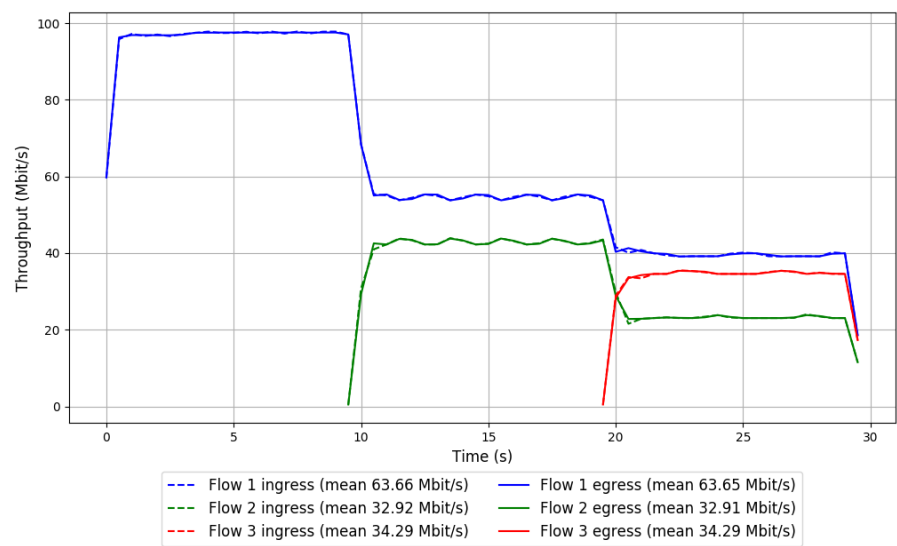


Run 2: Statistics of Indigo

Start at: 2018-01-17 02:50:58
End at: 2018-01-17 02:51:28
Local clock offset: -4.295 ms
Remote clock offset: -19.241 ms

Below is generated by plot.py at 2018-01-17 06:59:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 3.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 1.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 5.480 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 10.594 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

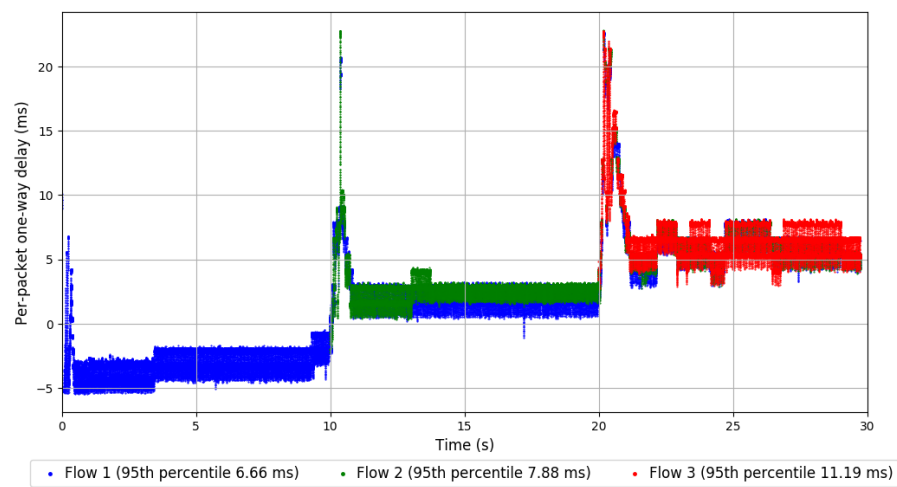
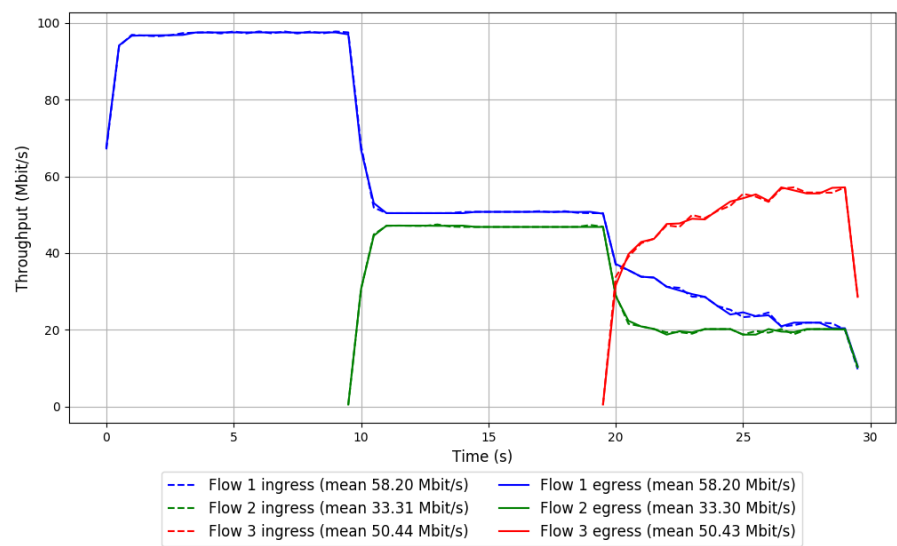


Run 3: Statistics of Indigo

Start at: 2018-01-17 03:12:39
End at: 2018-01-17 03:13:09
Local clock offset: 0.141 ms
Remote clock offset: -15.024 ms

Below is generated by plot.py at 2018-01-17 06:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 7.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 6.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 7.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.43 Mbit/s
95th percentile per-packet one-way delay: 11.187 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

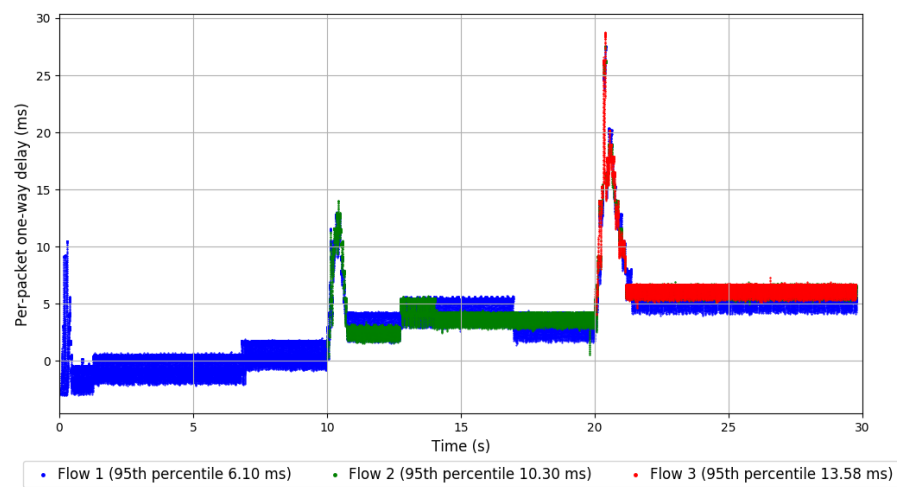
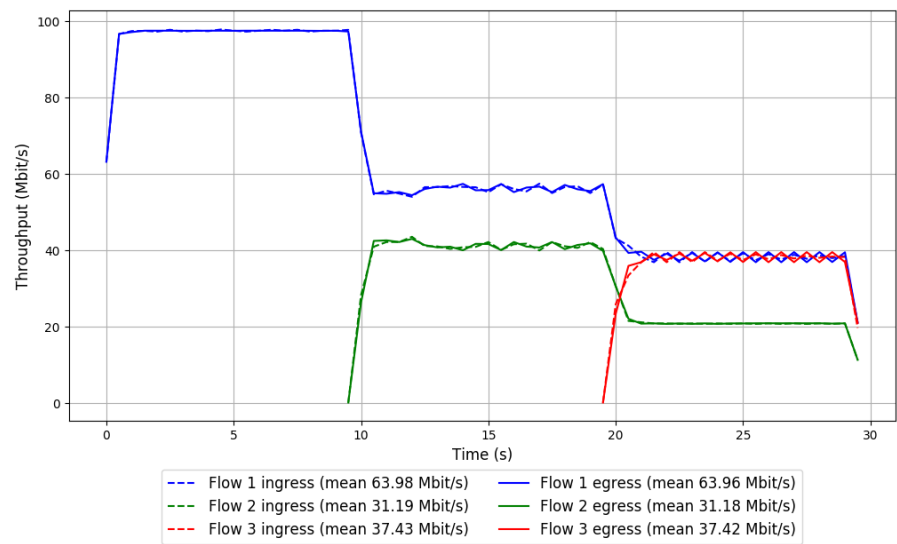


Run 4: Statistics of Indigo

Start at: 2018-01-17 03:34:12
End at: 2018-01-17 03:34:42
Local clock offset: -2.376 ms
Remote clock offset: -16.841 ms

Below is generated by plot.py at 2018-01-17 06:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 7.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 6.099 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 10.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 13.581 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

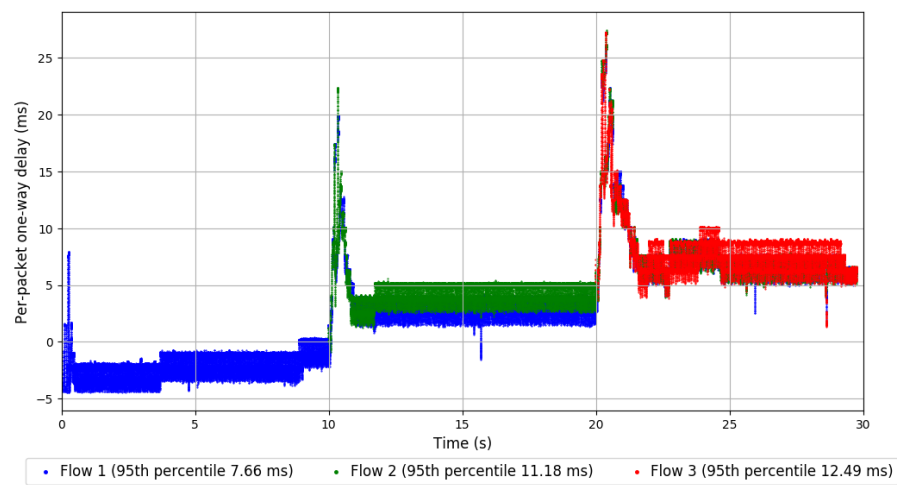
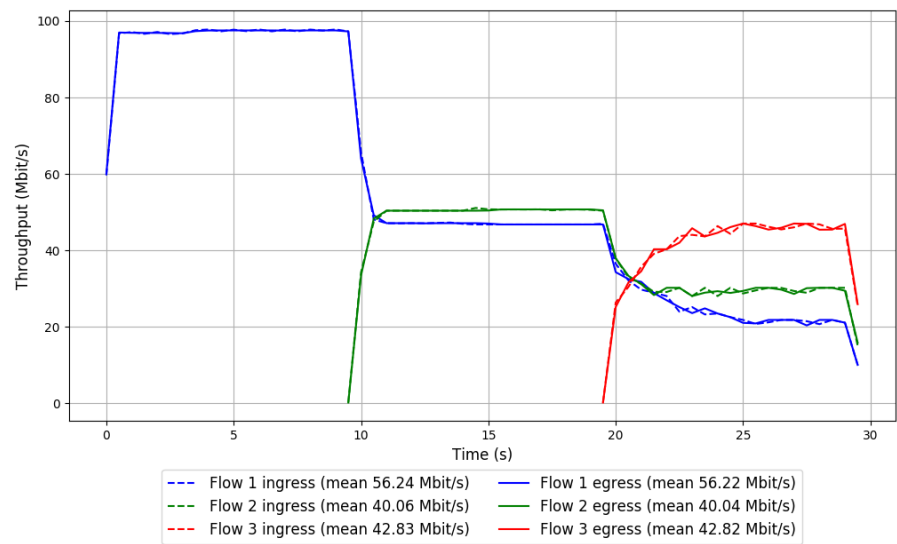


Run 5: Statistics of Indigo

Start at: 2018-01-17 03:55:52
End at: 2018-01-17 03:56:22
Local clock offset: -2.979 ms
Remote clock offset: -20.384 ms

Below is generated by plot.py at 2018-01-17 06:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 9.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 7.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 11.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.82 Mbit/s
95th percentile per-packet one-way delay: 12.490 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

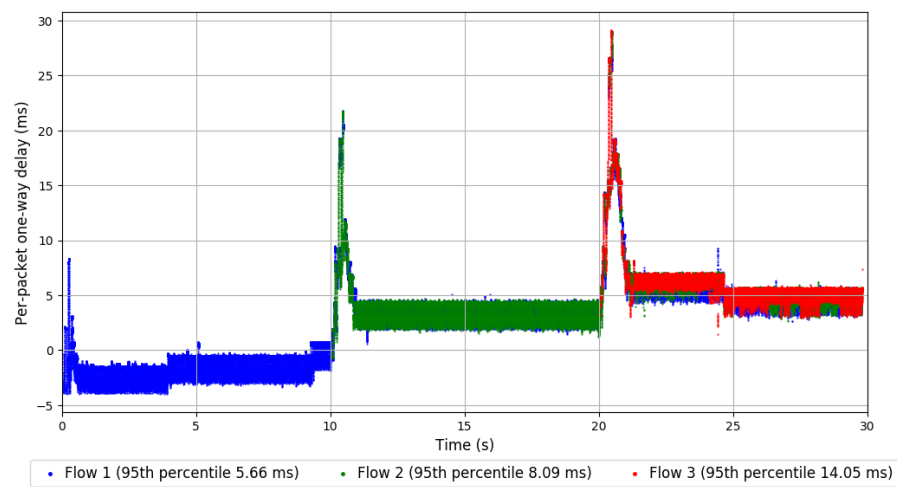
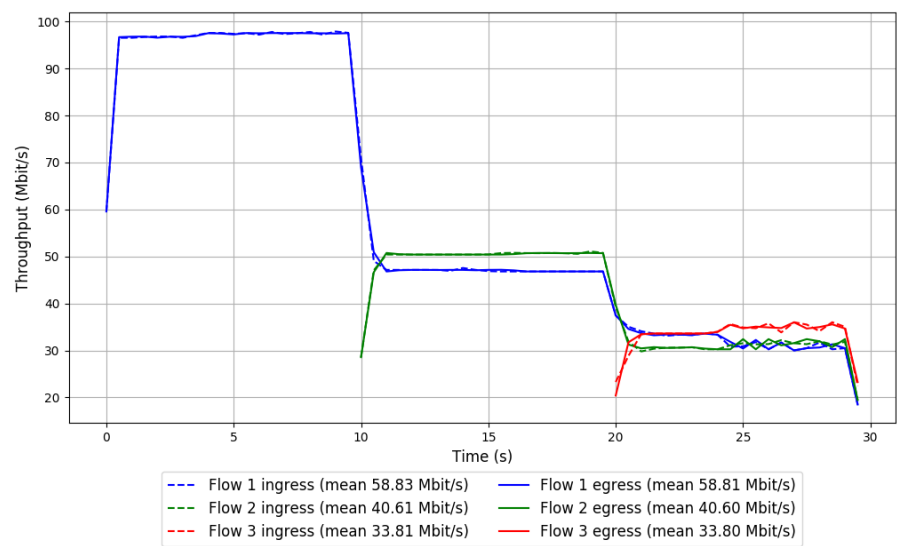


Run 6: Statistics of Indigo

Start at: 2018-01-17 04:17:47
End at: 2018-01-17 04:18:17
Local clock offset: -0.743 ms
Remote clock offset: -19.384 ms

Below is generated by plot.py at 2018-01-17 07:00:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 6.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 5.656 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 8.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.80 Mbit/s
95th percentile per-packet one-way delay: 14.046 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

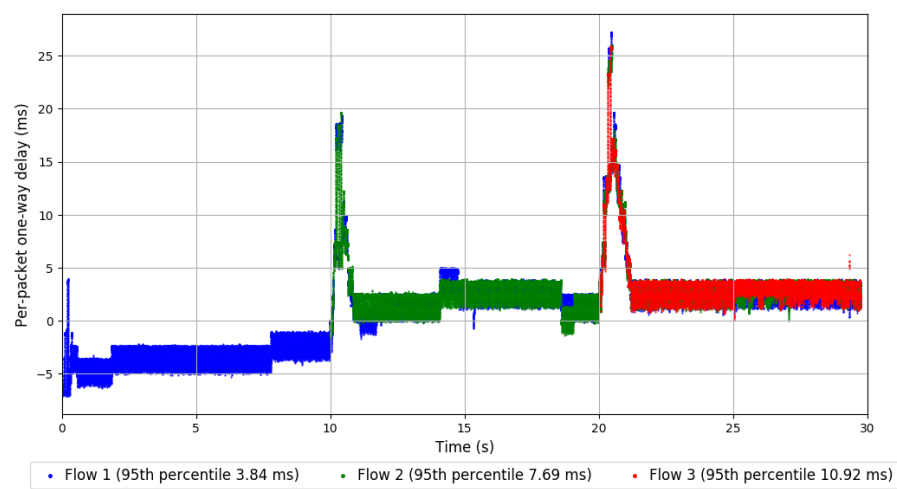
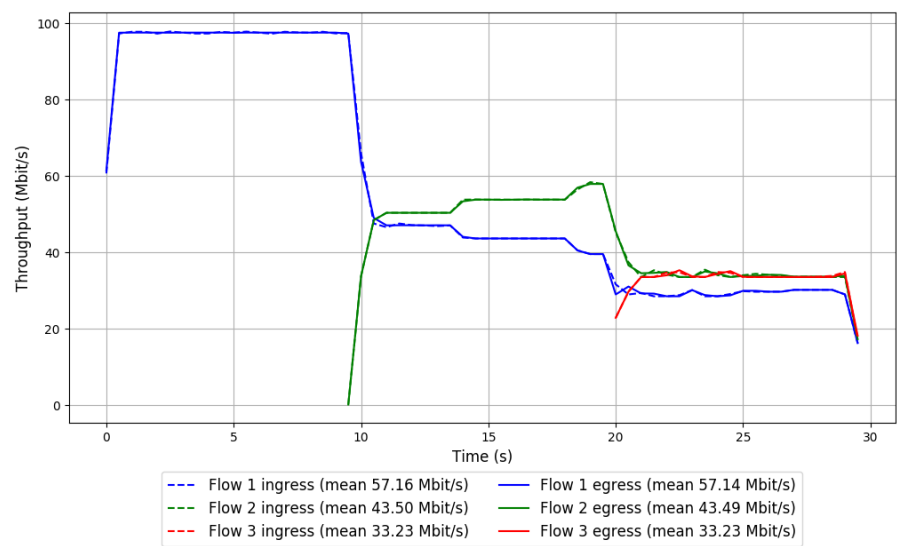


Run 7: Statistics of Indigo

Start at: 2018-01-17 04:39:24
End at: 2018-01-17 04:39:54
Local clock offset: 0.98 ms
Remote clock offset: -19.732 ms

```
# Below is generated by plot.py at 2018-01-17 07:00:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 5.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 3.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 7.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

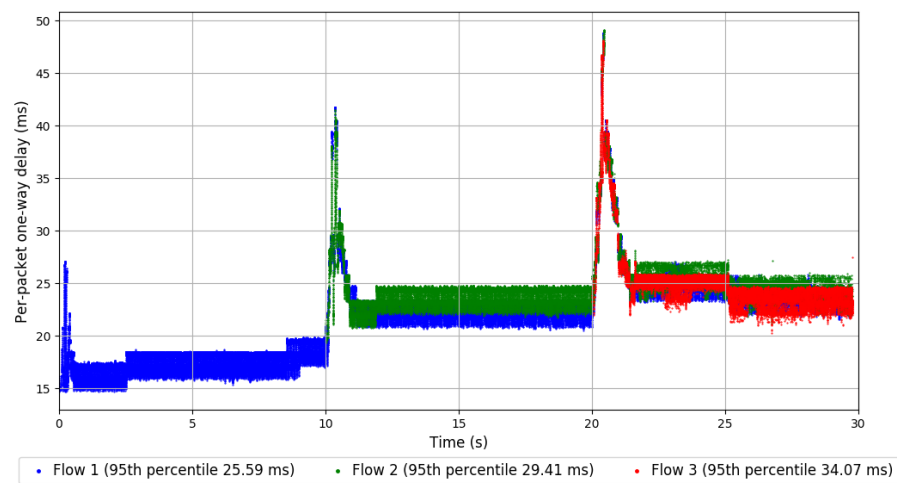
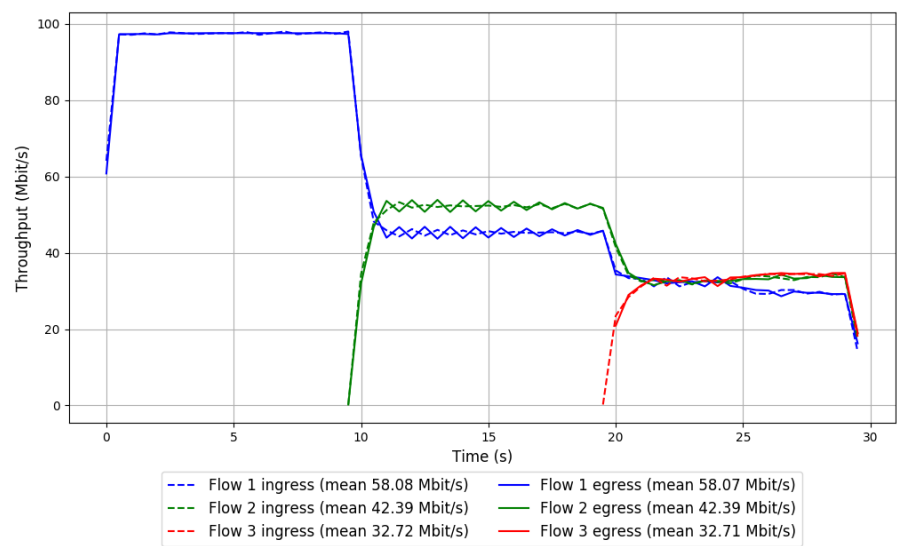


Run 8: Statistics of Indigo

Start at: 2018-01-17 05:01:31
End at: 2018-01-17 05:02:01
Local clock offset: -2.395 ms
Remote clock offset: -2.977 ms

Below is generated by plot.py at 2018-01-17 07:00:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 26.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 25.594 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 29.405 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 34.067 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

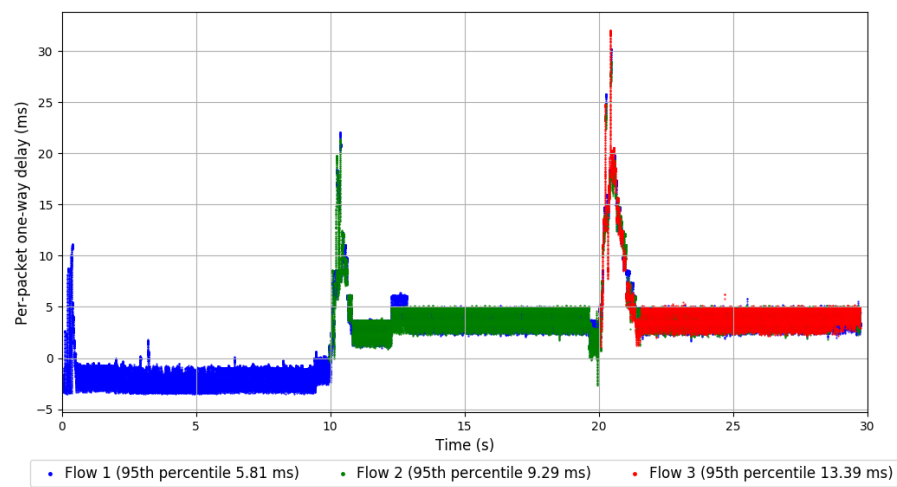
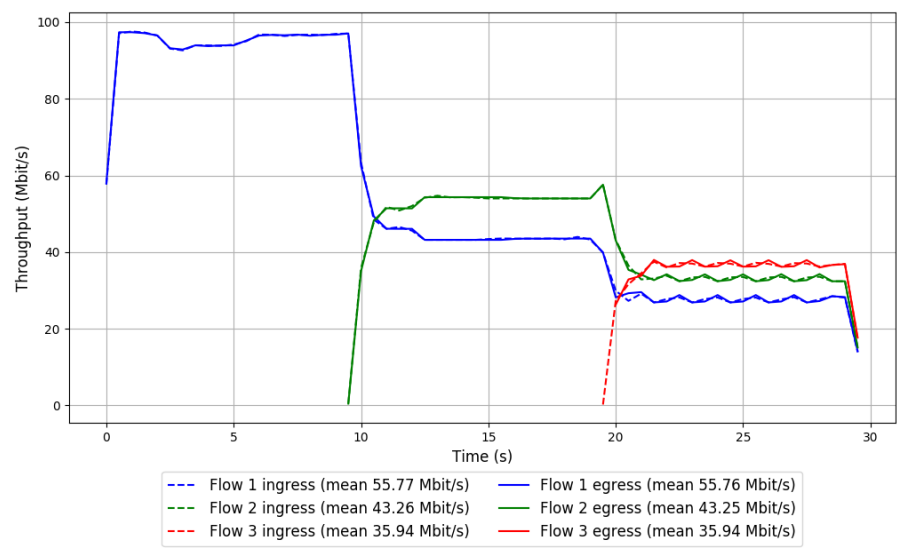


Run 9: Statistics of Indigo

Start at: 2018-01-17 05:23:54
End at: 2018-01-17 05:24:24
Local clock offset: -3.091 ms
Remote clock offset: -20.799 ms

Below is generated by plot.py at 2018-01-17 07:00:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 7.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.76 Mbit/s
95th percentile per-packet one-way delay: 5.810 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 9.292 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 13.387 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

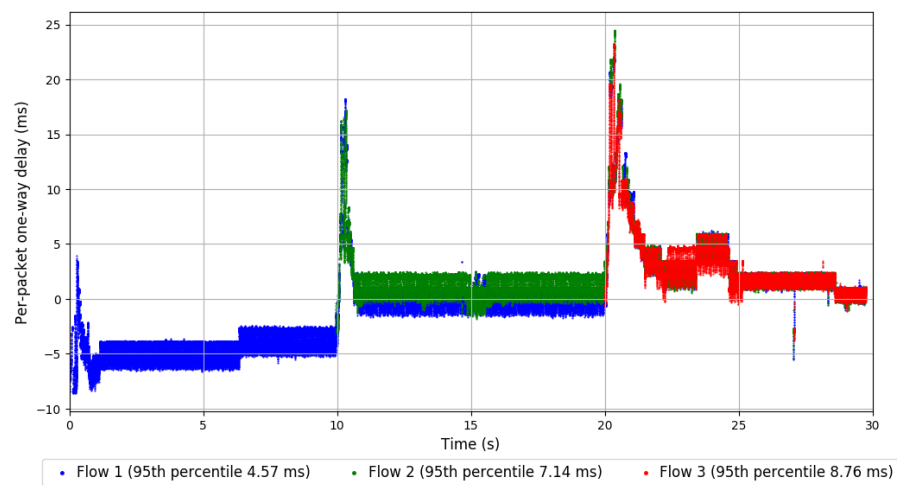
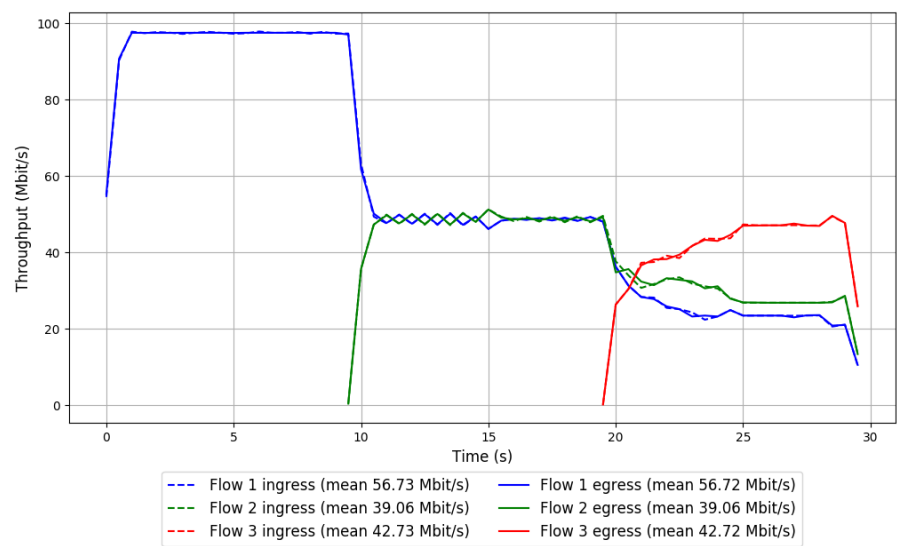


Run 10: Statistics of Indigo

Start at: 2018-01-17 05:45:44
End at: 2018-01-17 05:46:14
Local clock offset: 0.662 ms
Remote clock offset: -22.091 ms

Below is generated by plot.py at 2018-01-17 07:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 5.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 4.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 7.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 8.762 ms
Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

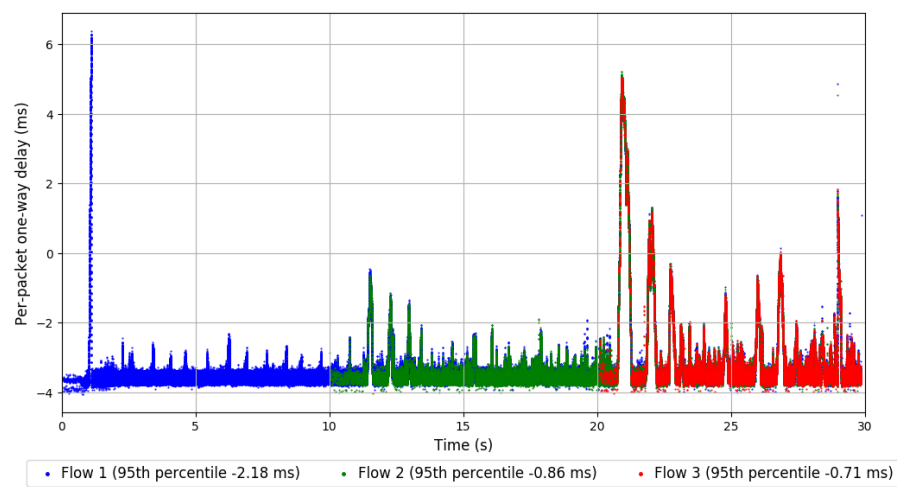
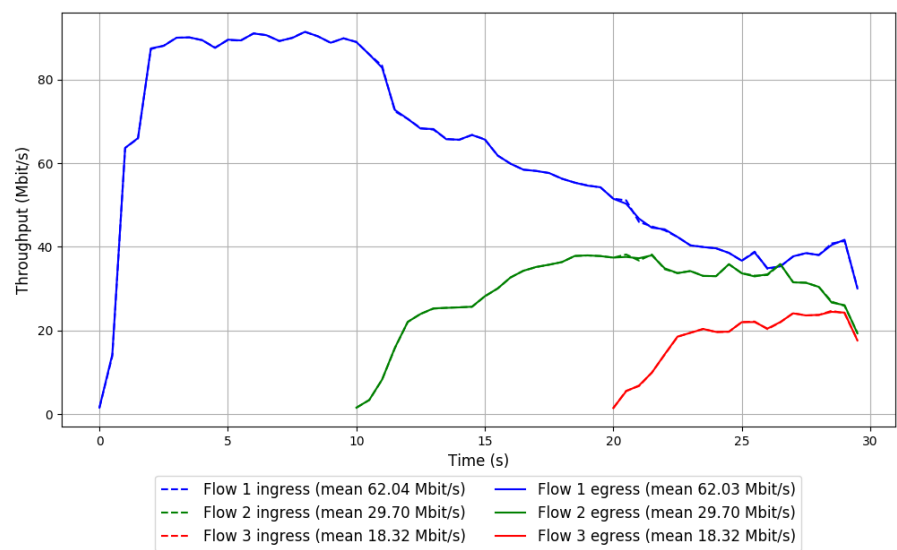


Run 1: Statistics of Vivace-latency

Start at: 2018-01-17 02:45:56
End at: 2018-01-17 02:46:26
Local clock offset: -3.292 ms
Remote clock offset: -16.645 ms

Below is generated by plot.py at 2018-01-17 07:01:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.80 Mbit/s
95th percentile per-packet one-way delay: -1.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.03 Mbit/s
95th percentile per-packet one-way delay: -2.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.70 Mbit/s
95th percentile per-packet one-way delay: -0.858 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: -0.709 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

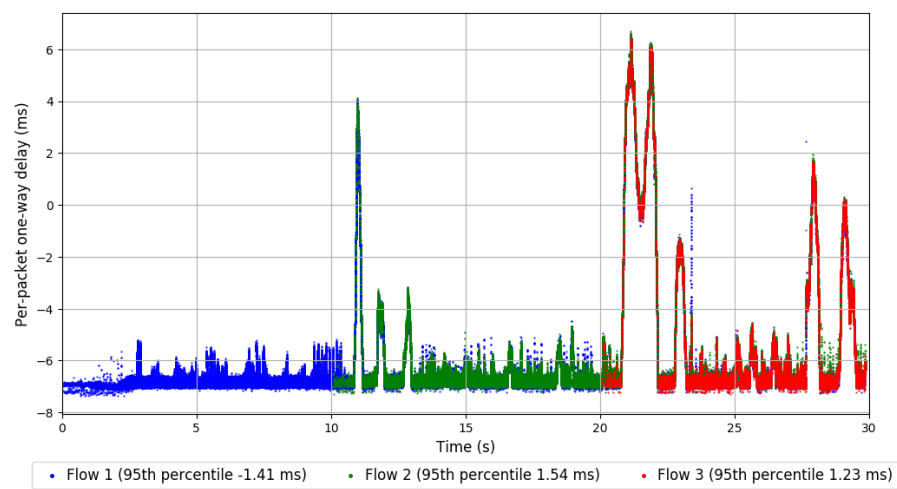
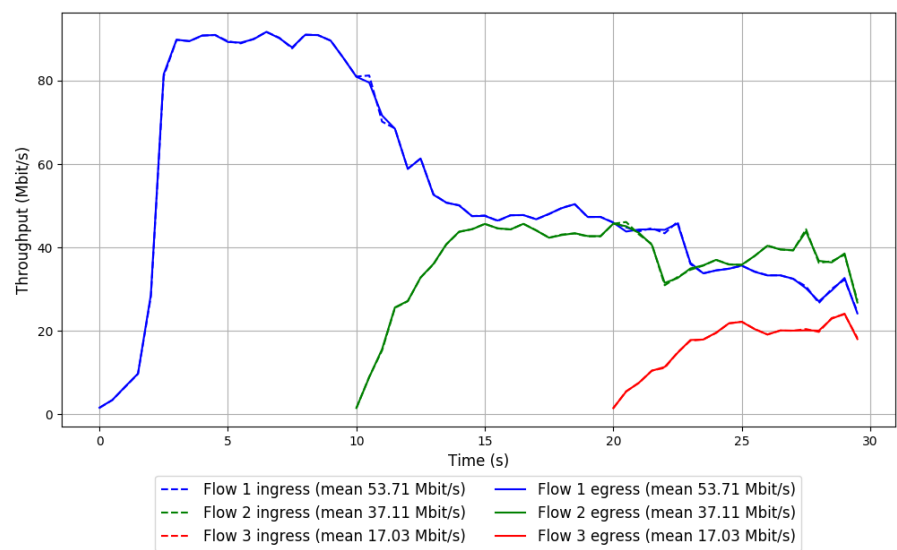


Run 2: Statistics of Vivace-latency

Start at: 2018-01-17 03:07:44
End at: 2018-01-17 03:08:14
Local clock offset: -0.847 ms
Remote clock offset: -17.632 ms

Below is generated by plot.py at 2018-01-17 07:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 0.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: -1.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 1.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

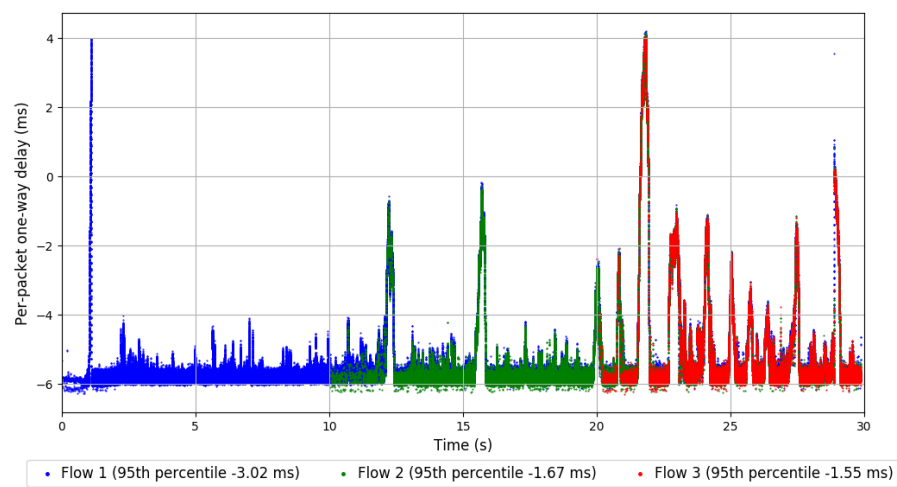
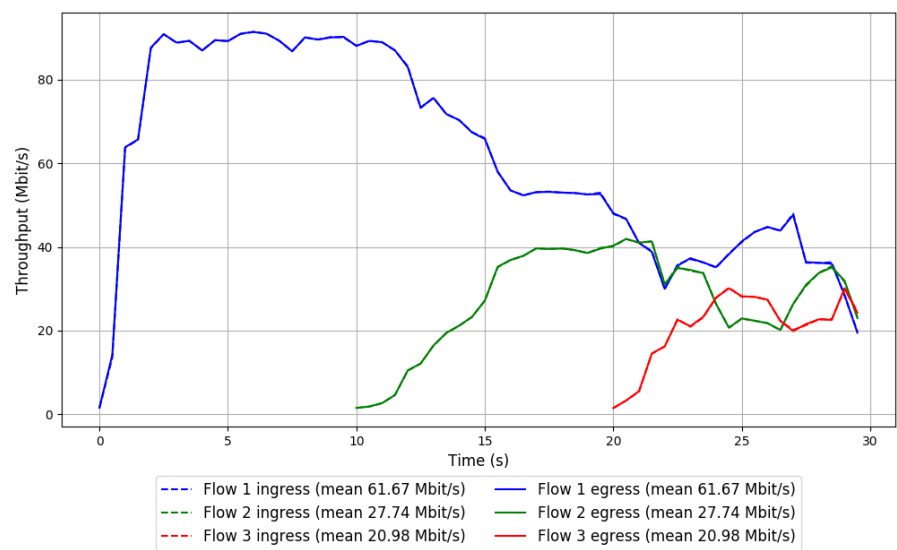


Run 3: Statistics of Vivace-latency

Start at: 2018-01-17 03:29:13
End at: 2018-01-17 03:29:43
Local clock offset: 0.397 ms
Remote clock offset: -16.65 ms

Below is generated by plot.py at 2018-01-17 07:02:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: -2.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.67 Mbit/s
95th percentile per-packet one-way delay: -3.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: -1.667 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: -1.552 ms
Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-01-17 03:50:55

End at: 2018-01-17 03:51:25

Local clock offset: 1.283 ms

Remote clock offset: -17.7 ms

Below is generated by plot.py at 2018-01-17 07:02:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.13 Mbit/s

95th percentile per-packet one-way delay: -4.412 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.08 Mbit/s

95th percentile per-packet one-way delay: -4.661 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: -3.987 ms

Loss rate: 0.00%

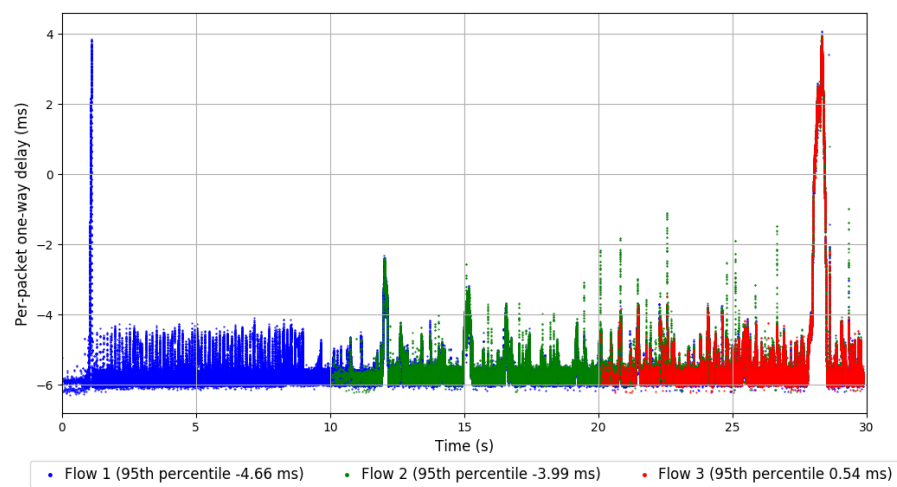
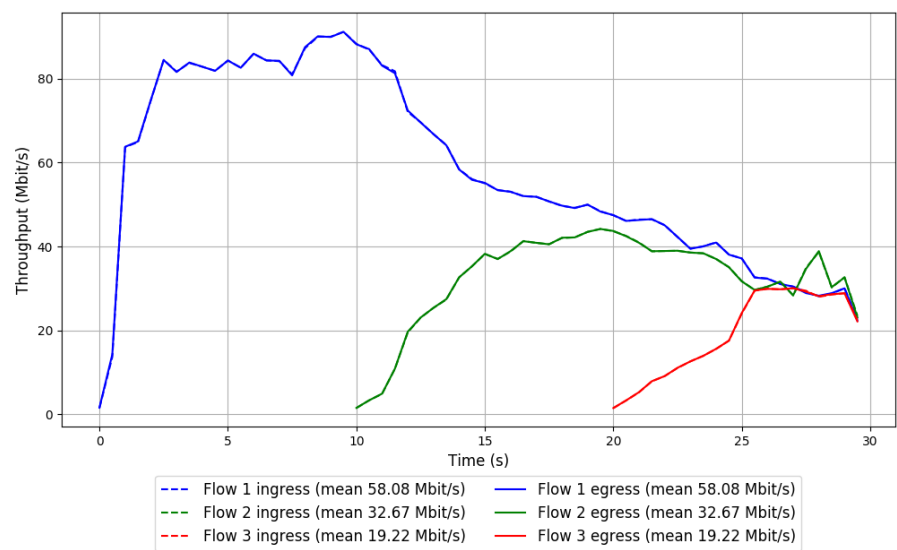
-- Flow 3:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 0.537 ms

Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-01-17 04:12:37

End at: 2018-01-17 04:13:07

Local clock offset: -0.93 ms

Remote clock offset: -19.3 ms

Below is generated by plot.py at 2018-01-17 07:02:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: -1.563 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: -2.169 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: -1.043 ms

Loss rate: 0.00%

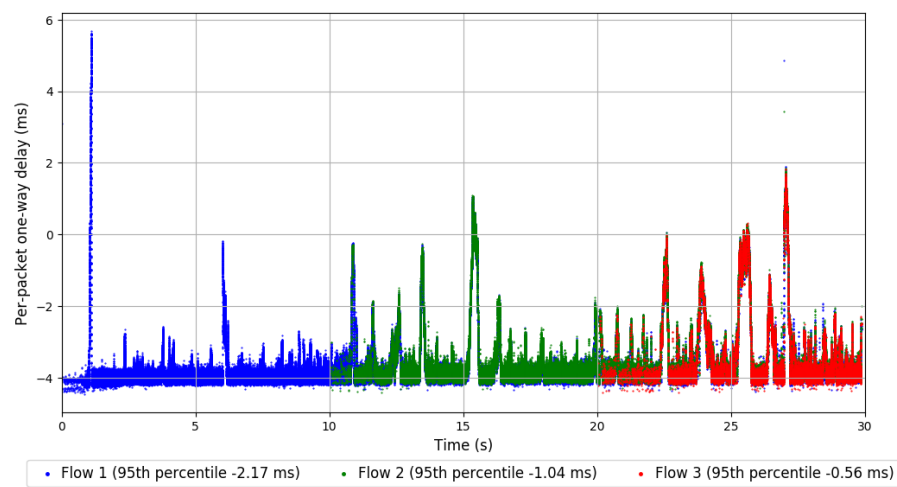
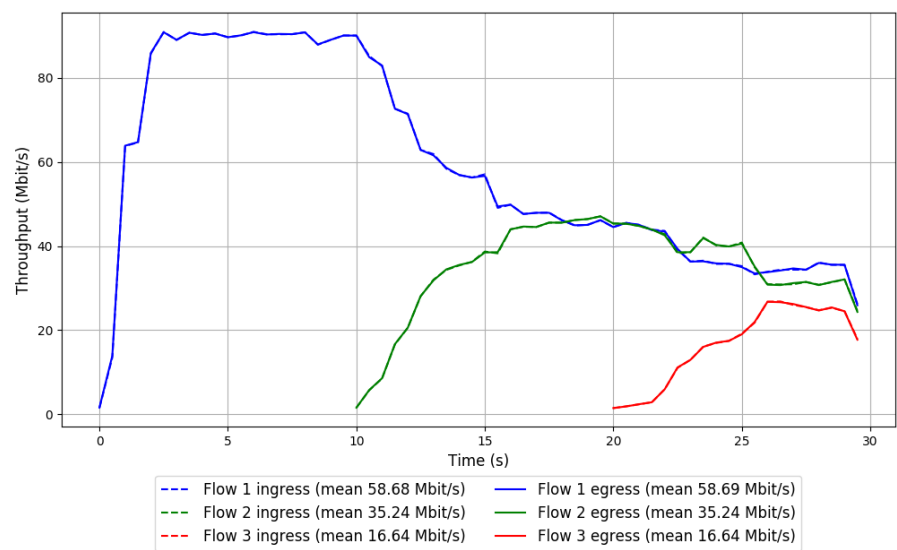
-- Flow 3:

Average throughput: 16.64 Mbit/s

95th percentile per-packet one-way delay: -0.564 ms

Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

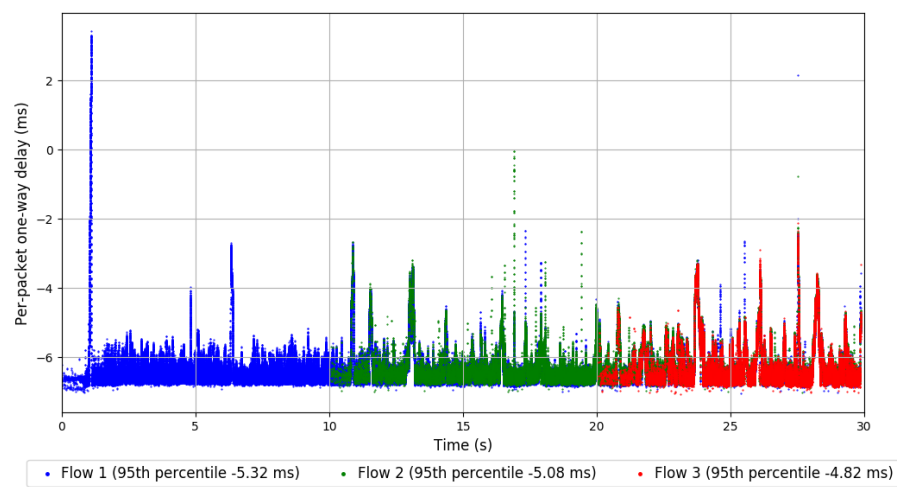
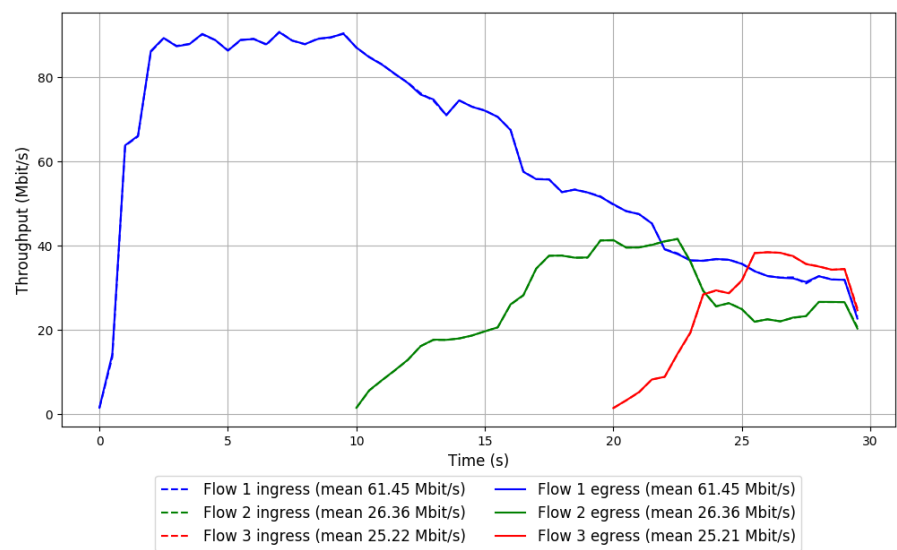


Run 6: Statistics of Vivace-latency

Start at: 2018-01-17 04:34:27
End at: 2018-01-17 04:34:57
Local clock offset: 1.035 ms
Remote clock offset: -19.778 ms

Below is generated by plot.py at 2018-01-17 07:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: -5.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: -5.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: -5.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: -4.824 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

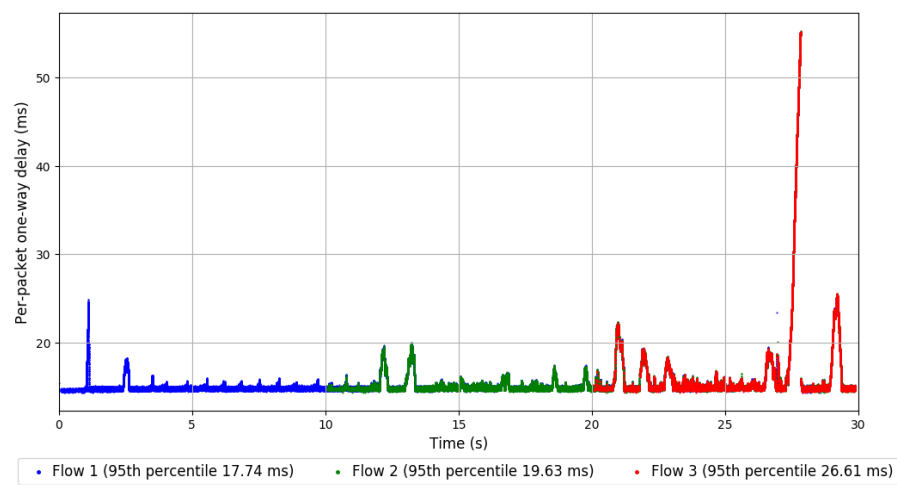
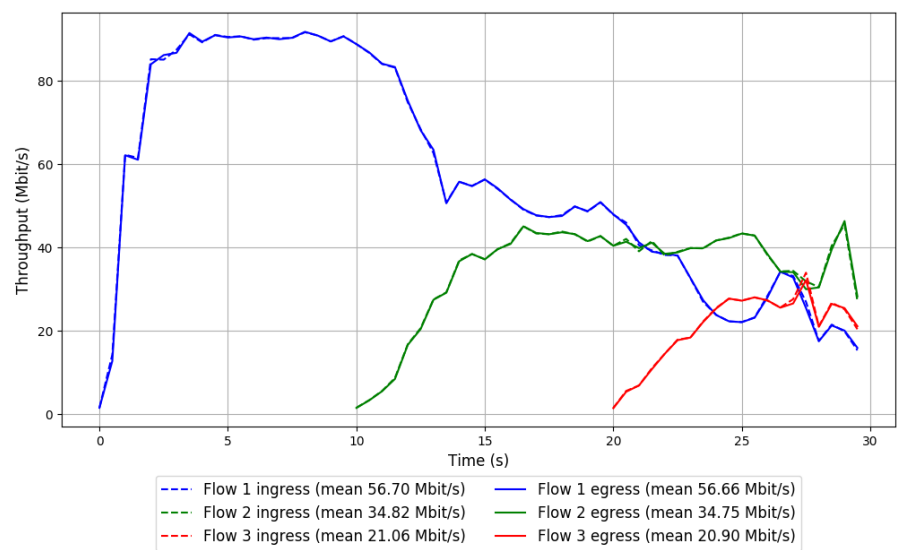


Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 04:56:24
End at: 2018-01-17 04:56:54
Local clock offset: -3.43 ms
Remote clock offset: -2.567 ms

Below is generated by plot.py at 2018-01-17 07:02:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.66 Mbit/s
95th percentile per-packet one-way delay: 18.612 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 17.740 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 26.614 ms
Loss rate: 0.74%

Run 7: Report of Vivace-latency — Data Link

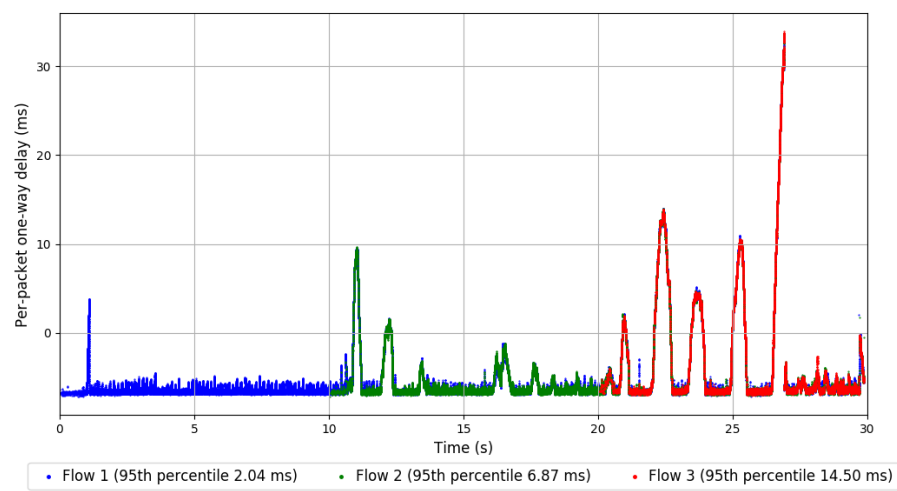
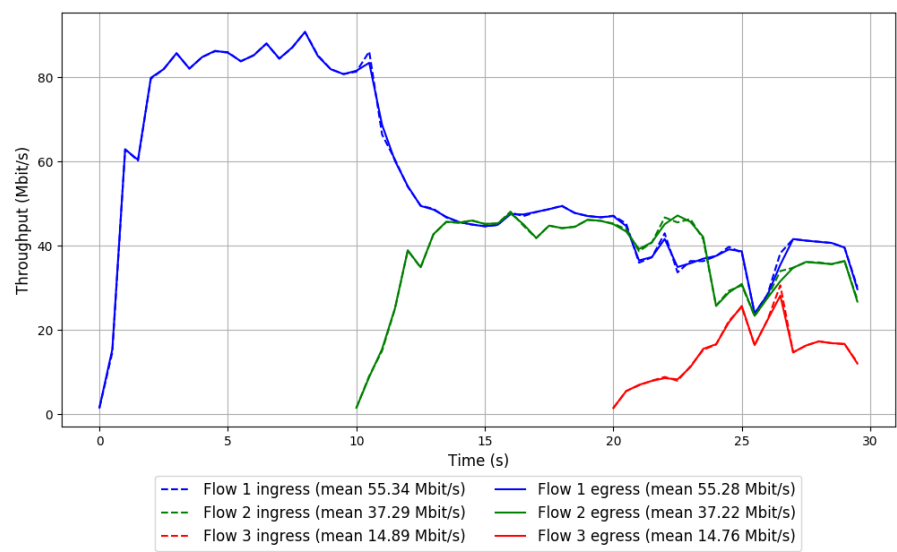


Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 05:18:53
End at: 2018-01-17 05:19:23
Local clock offset: -0.146 ms
Remote clock offset: -21.203 ms

Below is generated by plot.py at 2018-01-17 07:02:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 4.524 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 6.867 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 14.504 ms
Loss rate: 0.84%

Run 8: Report of Vivace-latency — Data Link

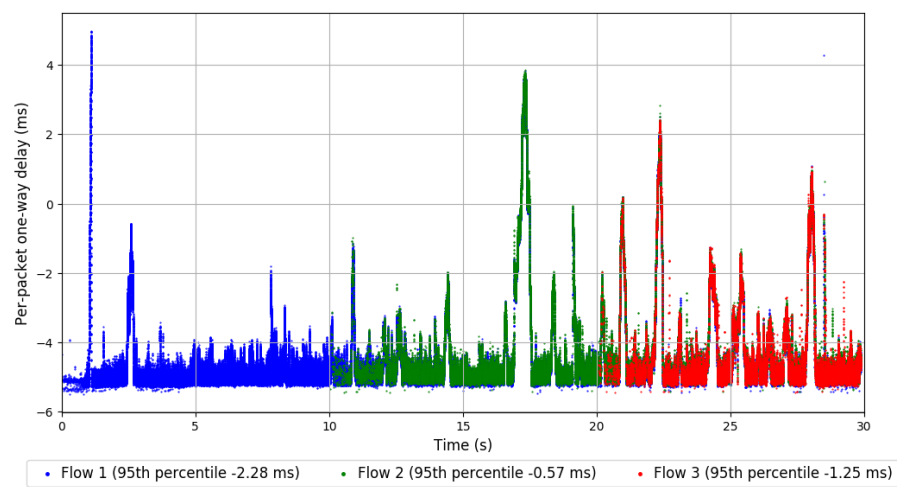
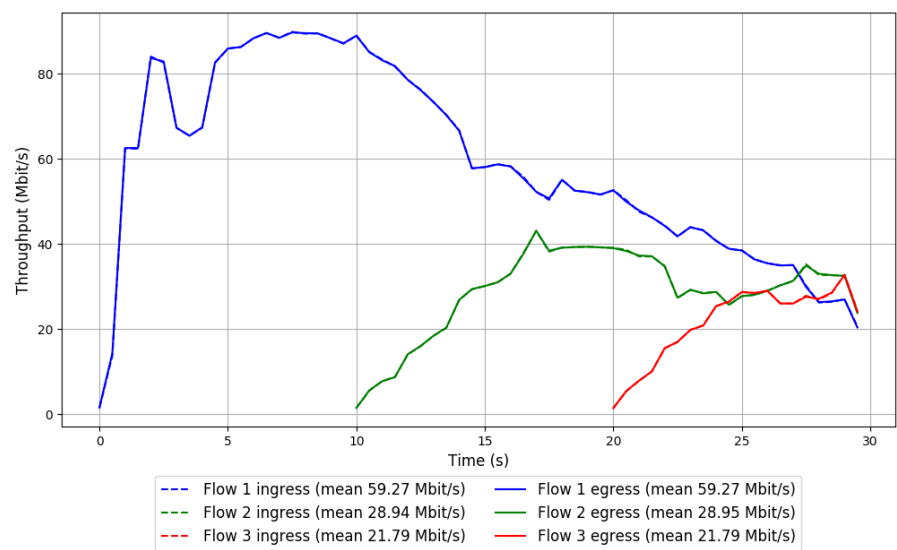


Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 05:40:46
End at: 2018-01-17 05:41:16
Local clock offset: -0.749 ms
Remote clock offset: -20.082 ms

Below is generated by plot.py at 2018-01-17 07:03:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: -1.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: -2.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: -0.567 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: -1.250 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

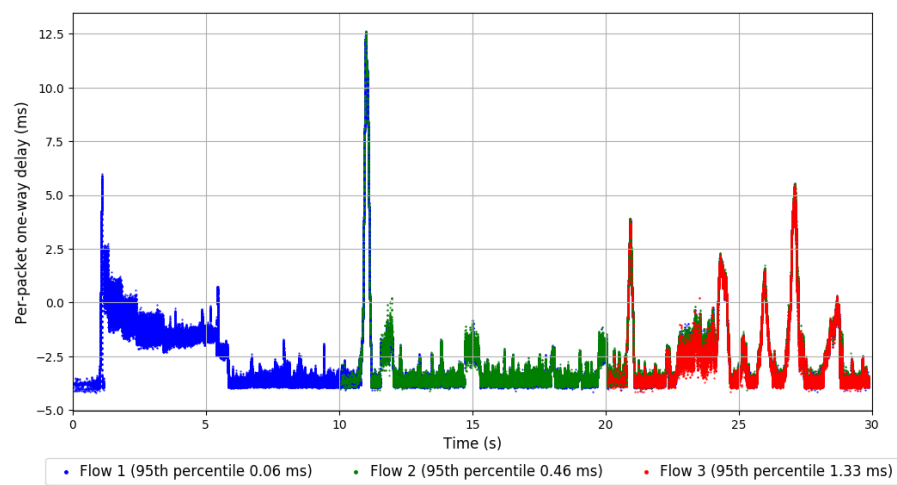
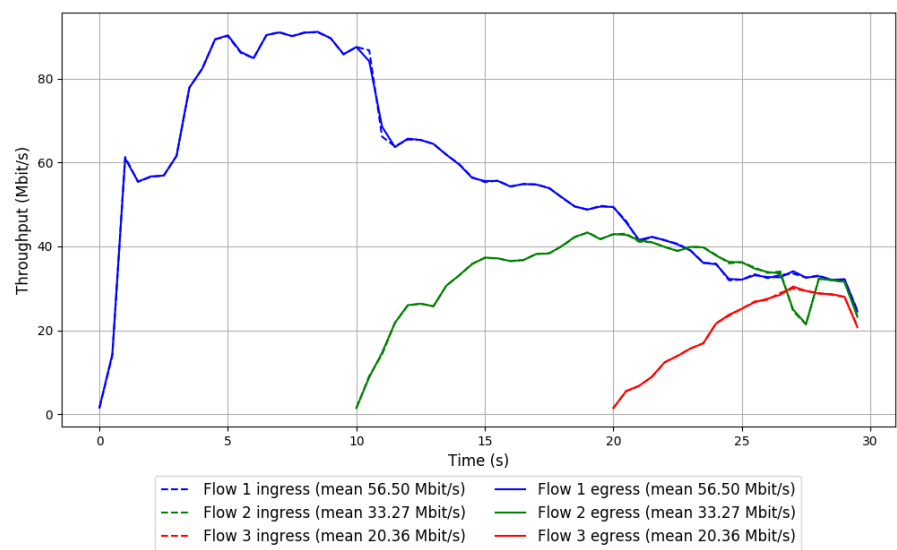


Run 10: Statistics of Vivace-latency

Start at: 2018-01-17 06:02:40
End at: 2018-01-17 06:03:10
Local clock offset: -1.588 ms
Remote clock offset: -20.206 ms

Below is generated by plot.py at 2018-01-17 07:03:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 0.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 0.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.27 Mbit/s
95th percentile per-packet one-way delay: 0.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

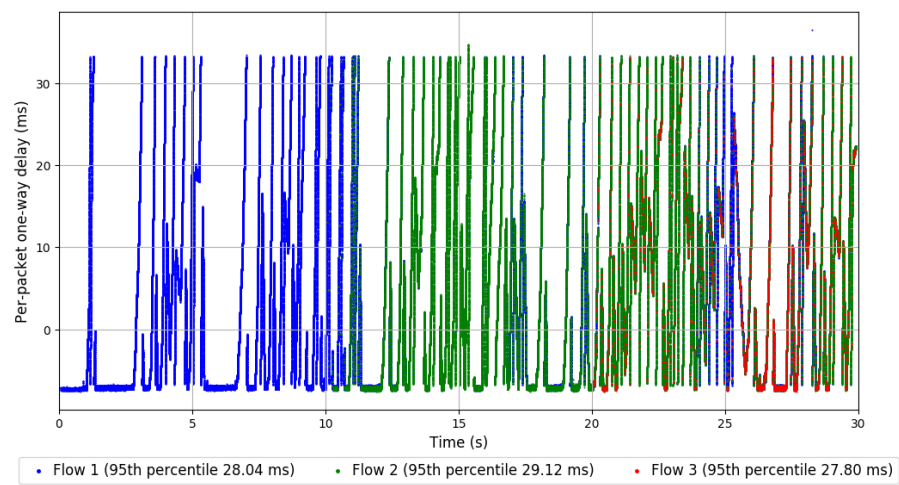
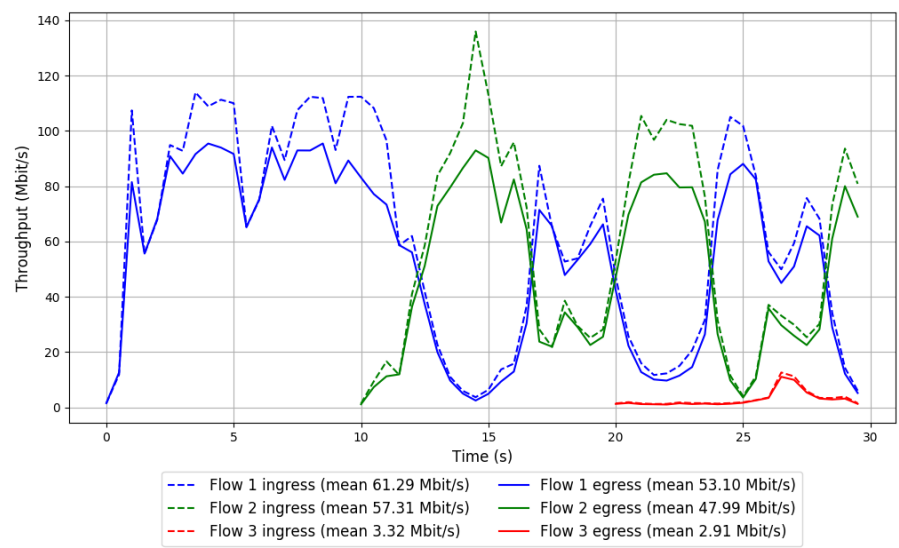


Run 1: Statistics of Vivace-loss

Start at: 2018-01-17 02:26:19
End at: 2018-01-17 02:26:49
Local clock offset: -1.186 ms
Remote clock offset: -17.33 ms

Below is generated by plot.py at 2018-01-17 07:04:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 28.529 ms
Loss rate: 14.35%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 28.041 ms
Loss rate: 13.27%
-- Flow 2:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 29.122 ms
Loss rate: 16.17%
-- Flow 3:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 27.799 ms
Loss rate: 11.88%

Run 1: Report of Vivace-loss — Data Link

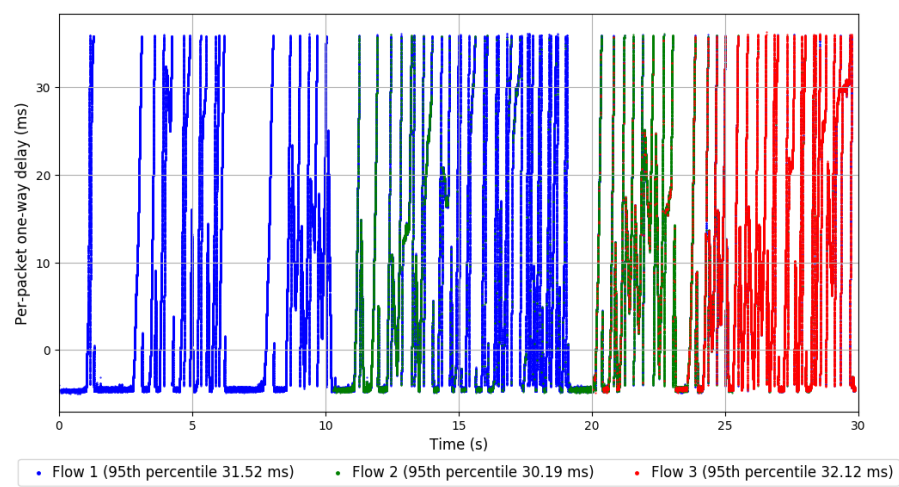
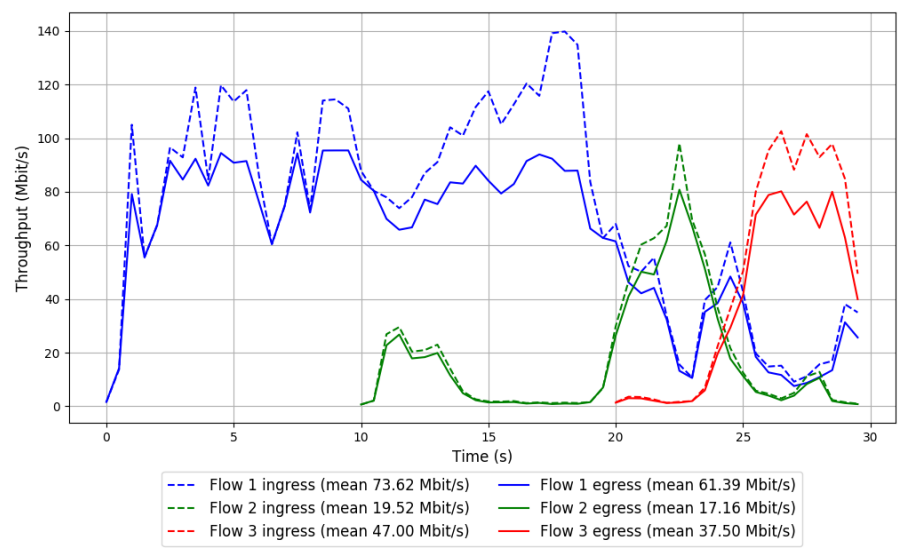


Run 2: Statistics of Vivace-loss

Start at: 2018-01-17 02:48:30
End at: 2018-01-17 02:49:00
Local clock offset: -1.809 ms
Remote clock offset: -16.121 ms

Below is generated by plot.py at 2018-01-17 07:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 31.489 ms
Loss rate: 16.74%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 31.515 ms
Loss rate: 16.62%
-- Flow 2:
Average throughput: 17.16 Mbit/s
95th percentile per-packet one-way delay: 30.191 ms
Loss rate: 13.22%
-- Flow 3:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 32.118 ms
Loss rate: 20.22%

Run 2: Report of Vivace-loss — Data Link

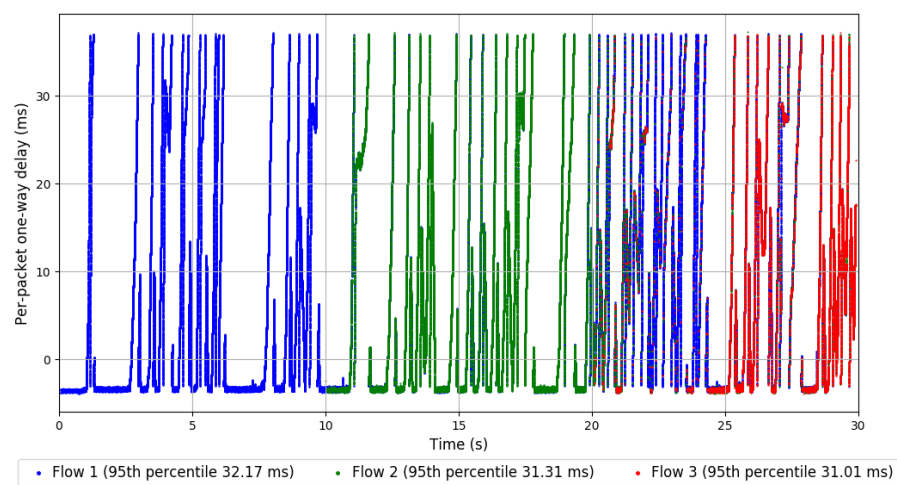
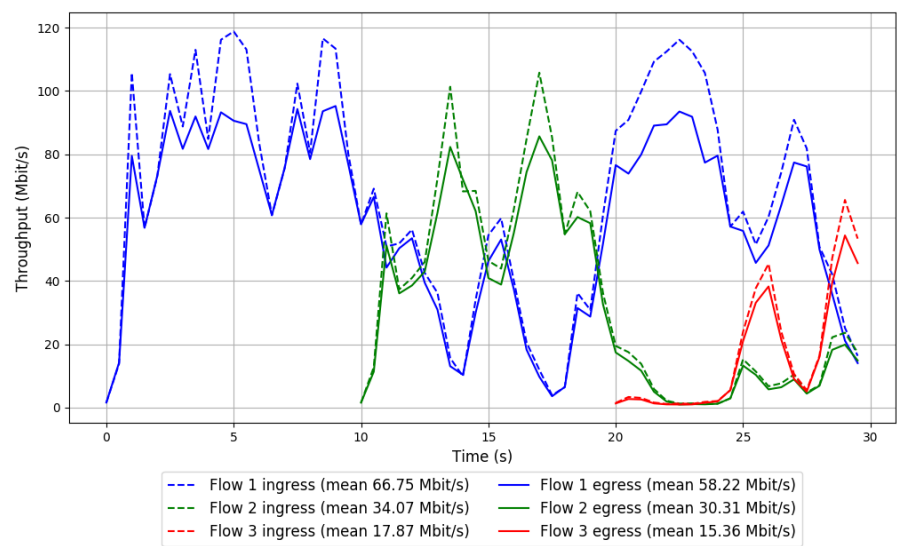


Run 3: Statistics of Vivace-loss

Start at: 2018-01-17 03:10:13
End at: 2018-01-17 03:10:43
Local clock offset: -4.461 ms
Remote clock offset: -17.743 ms

Below is generated by plot.py at 2018-01-17 07:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 31.909 ms
Loss rate: 12.37%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 32.168 ms
Loss rate: 12.72%
-- Flow 2:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 31.308 ms
Loss rate: 10.95%
-- Flow 3:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 31.007 ms
Loss rate: 13.87%

Run 3: Report of Vivace-loss — Data Link

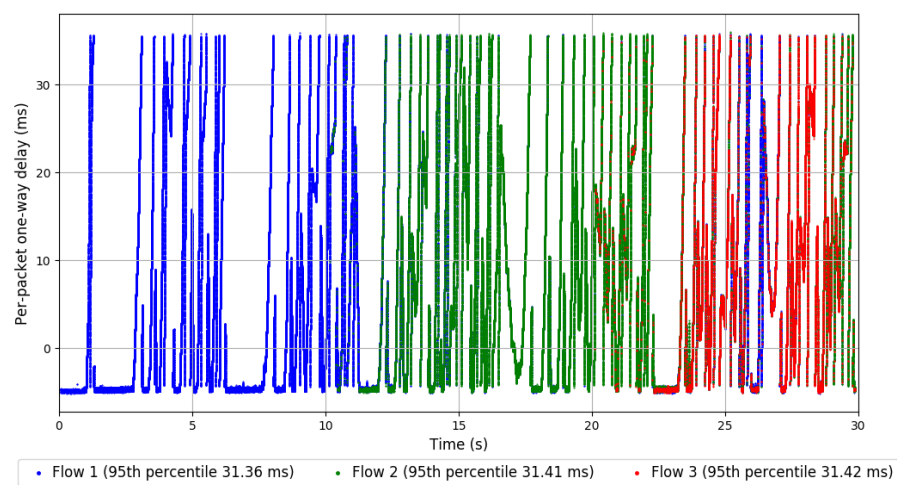
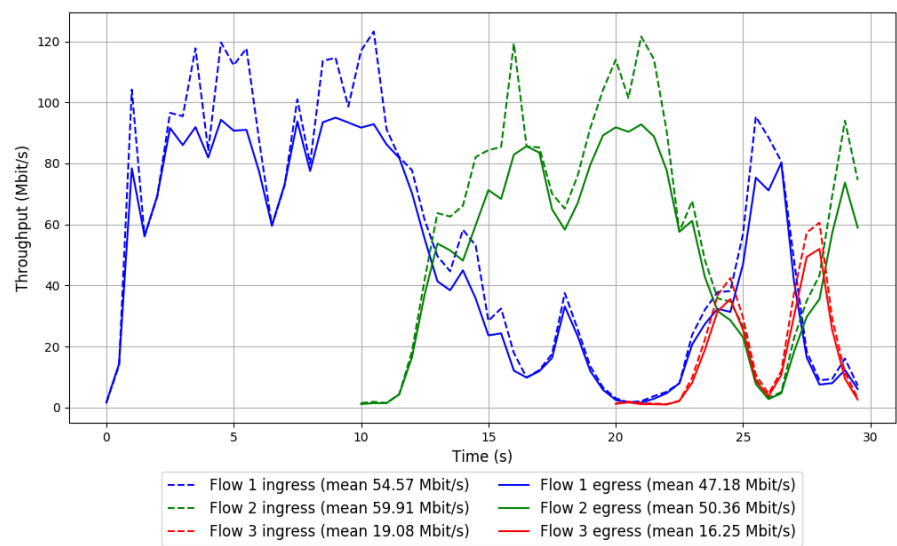


Run 4: Statistics of Vivace-loss

Start at: 2018-01-17 03:31:43
End at: 2018-01-17 03:32:13
Local clock offset: -1.651 ms
Remote clock offset: -17.915 ms

Below is generated by plot.py at 2018-01-17 07:05:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 31.385 ms
Loss rate: 14.60%
-- Flow 1:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 31.363 ms
Loss rate: 13.54%
-- Flow 2:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 31.414 ms
Loss rate: 15.96%
-- Flow 3:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 31.420 ms
Loss rate: 15.14%

Run 4: Report of Vivace-loss — Data Link

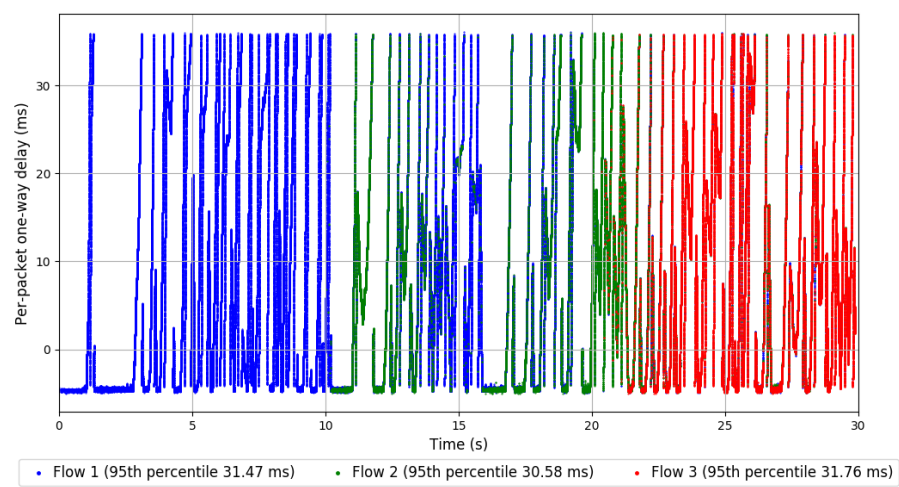
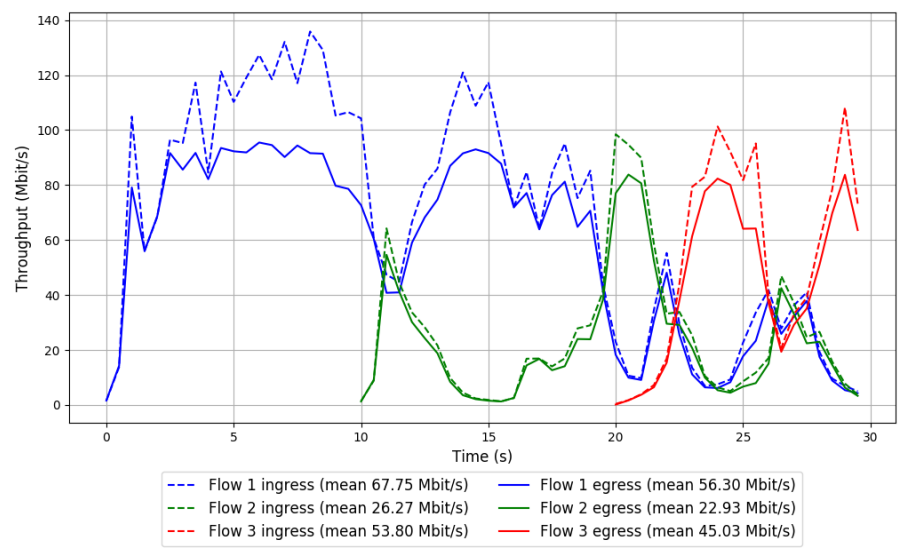


Run 5: Statistics of Vivace-loss

Start at: 2018-01-17 03:53:18
End at: 2018-01-17 03:53:48
Local clock offset: -0.697 ms
Remote clock offset: -18.442 ms

Below is generated by plot.py at 2018-01-17 07:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 31.386 ms
Loss rate: 16.12%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 31.468 ms
Loss rate: 16.89%
-- Flow 2:
Average throughput: 22.93 Mbit/s
95th percentile per-packet one-way delay: 30.578 ms
Loss rate: 12.73%
-- Flow 3:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 31.760 ms
Loss rate: 16.51%

Run 5: Report of Vivace-loss — Data Link

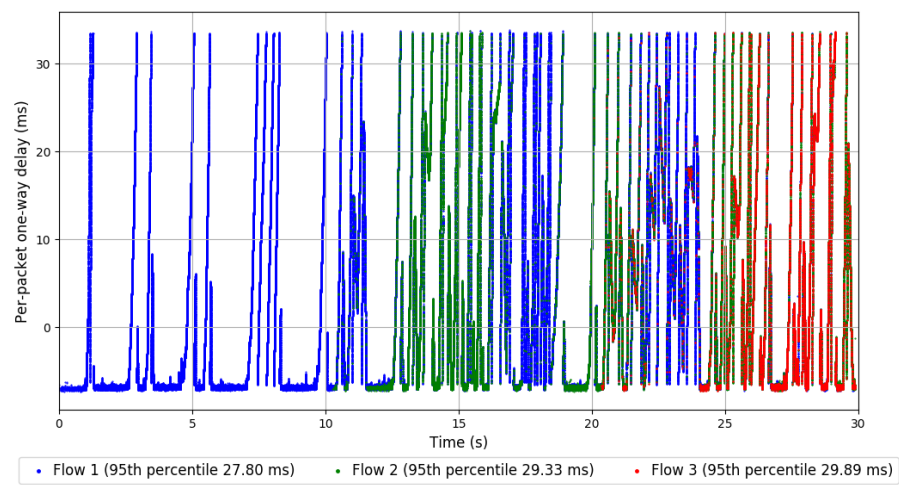
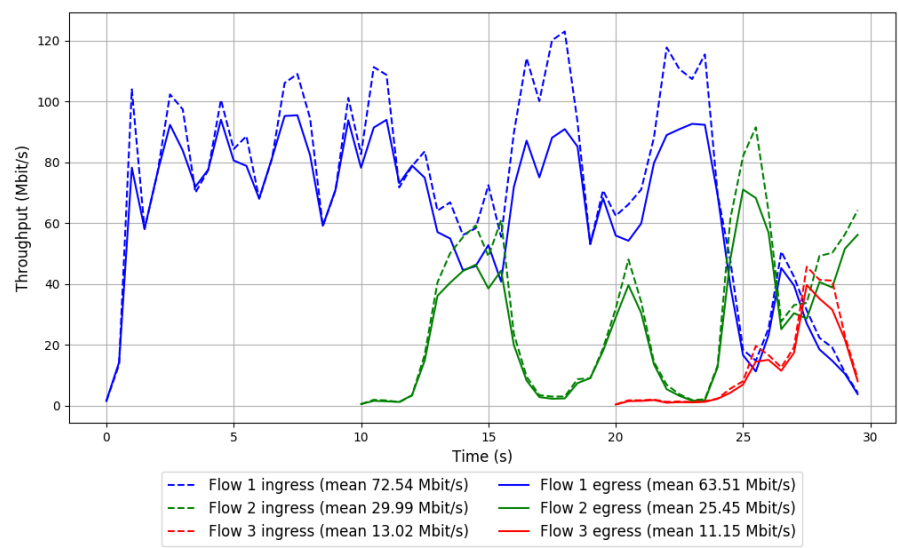


Run 6: Statistics of Vivace-loss

Start at: 2018-01-17 04:15:10
End at: 2018-01-17 04:15:40
Local clock offset: 0.645 ms
Remote clock offset: -20.857 ms

Below is generated by plot.py at 2018-01-17 07:05:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 28.292 ms
Loss rate: 13.32%
-- Flow 1:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 27.797 ms
Loss rate: 12.45%
-- Flow 2:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 29.328 ms
Loss rate: 16.22%
-- Flow 3:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 29.887 ms
Loss rate: 14.65%

Run 6: Report of Vivace-loss — Data Link

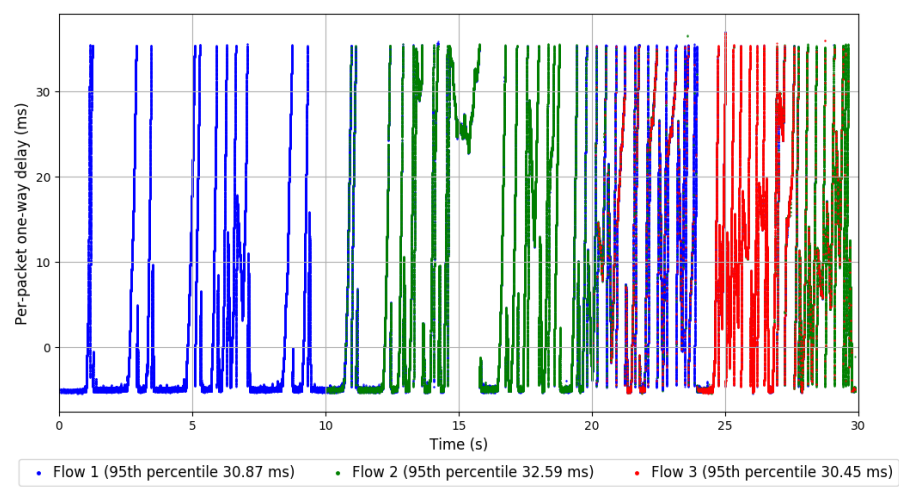
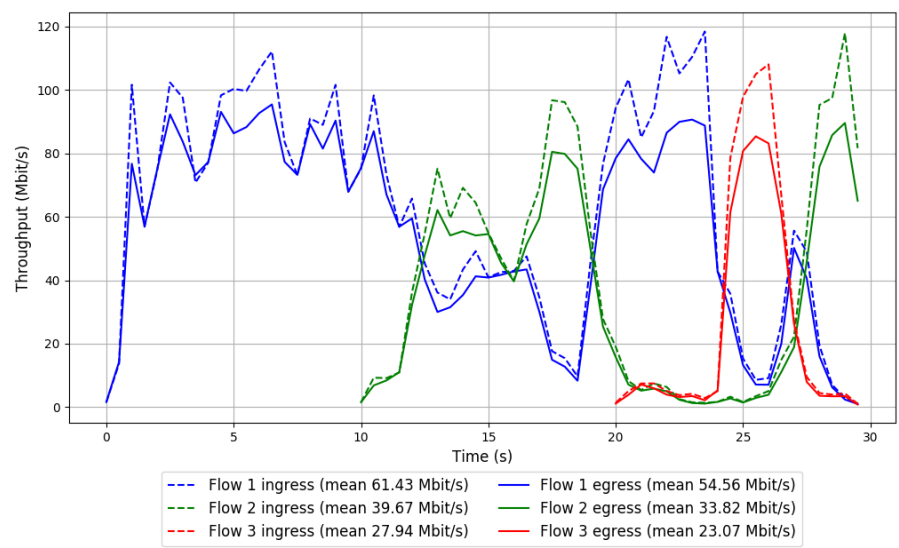


Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 04:36:59
End at: 2018-01-17 04:37:29
Local clock offset: -0.515 ms
Remote clock offset: -19.48 ms

Below is generated by plot.py at 2018-01-17 07:06:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 31.531 ms
Loss rate: 12.74%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 11.19%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 32.589 ms
Loss rate: 14.71%
-- Flow 3:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 30.450 ms
Loss rate: 17.48%

Run 7: Report of Vivace-loss — Data Link

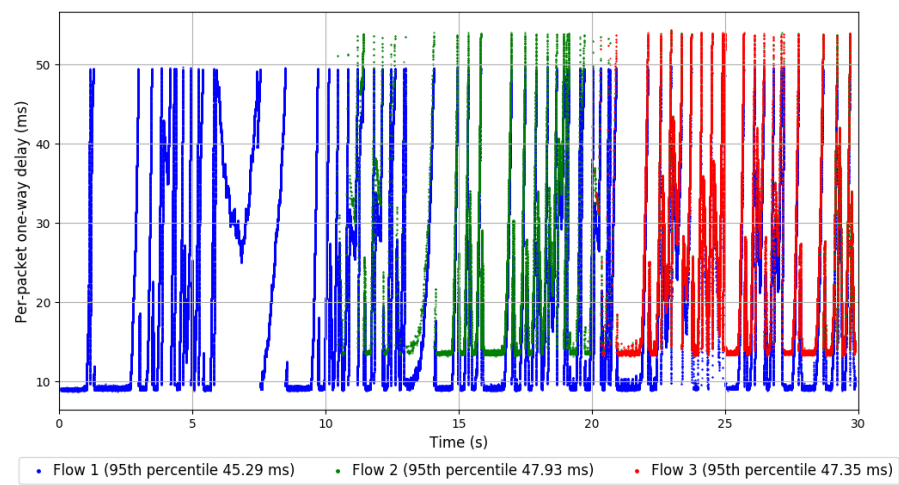
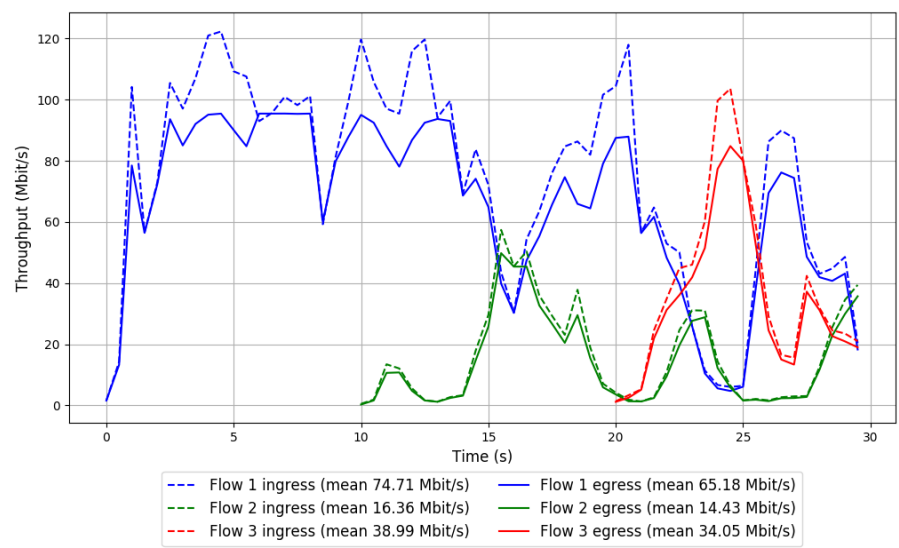


Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 04:58:56
End at: 2018-01-17 04:59:26
Local clock offset: 2.213 ms
Remote clock offset: -2.772 ms

Below is generated by plot.py at 2018-01-17 07:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 45.752 ms
Loss rate: 12.65%
-- Flow 1:
Average throughput: 65.18 Mbit/s
95th percentile per-packet one-way delay: 45.292 ms
Loss rate: 12.76%
-- Flow 2:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 47.933 ms
Loss rate: 11.85%
-- Flow 3:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 47.354 ms
Loss rate: 12.71%

Run 8: Report of Vivace-loss — Data Link

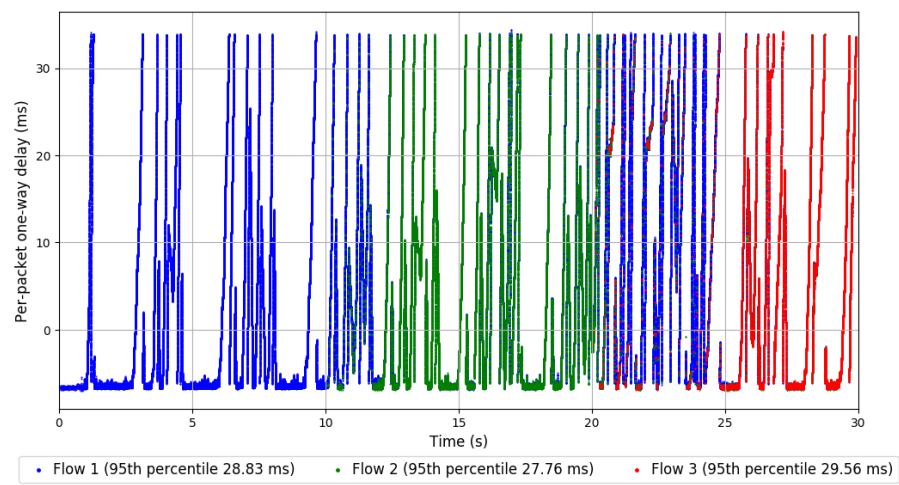
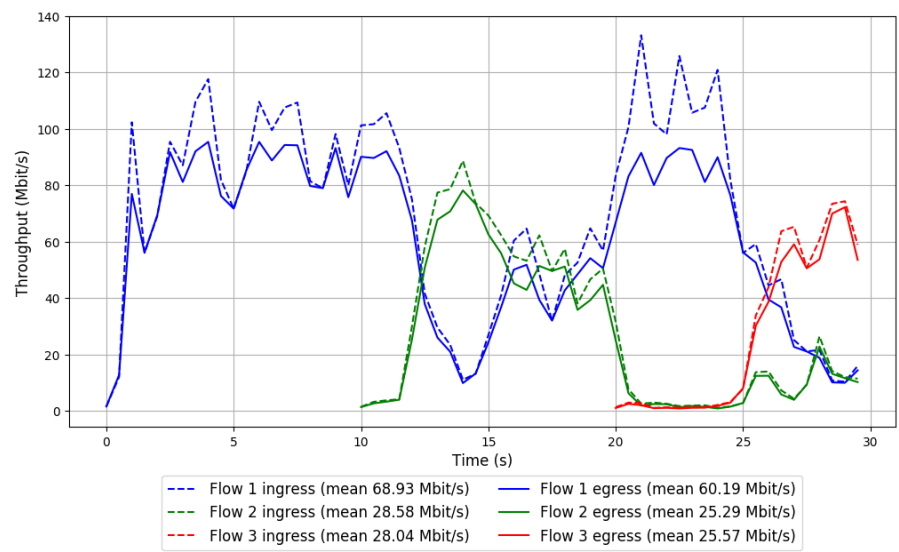


Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 05:21:26
End at: 2018-01-17 05:21:56
Local clock offset: 0.783 ms
Remote clock offset: -20.174 ms

Below is generated by plot.py at 2018-01-17 07:07:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 28.847 ms
Loss rate: 11.94%
-- Flow 1:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 28.833 ms
Loss rate: 12.57%
-- Flow 2:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 27.763 ms
Loss rate: 11.35%
-- Flow 3:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 29.558 ms
Loss rate: 8.47%

Run 9: Report of Vivace-loss — Data Link

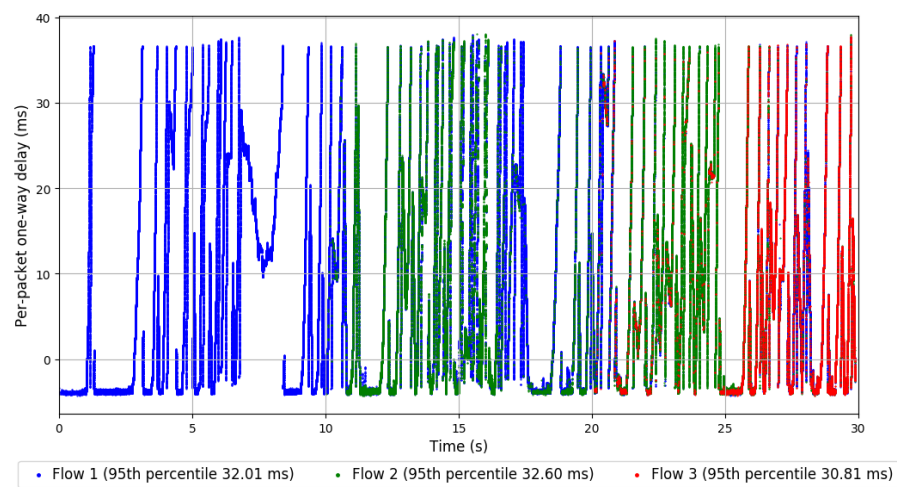
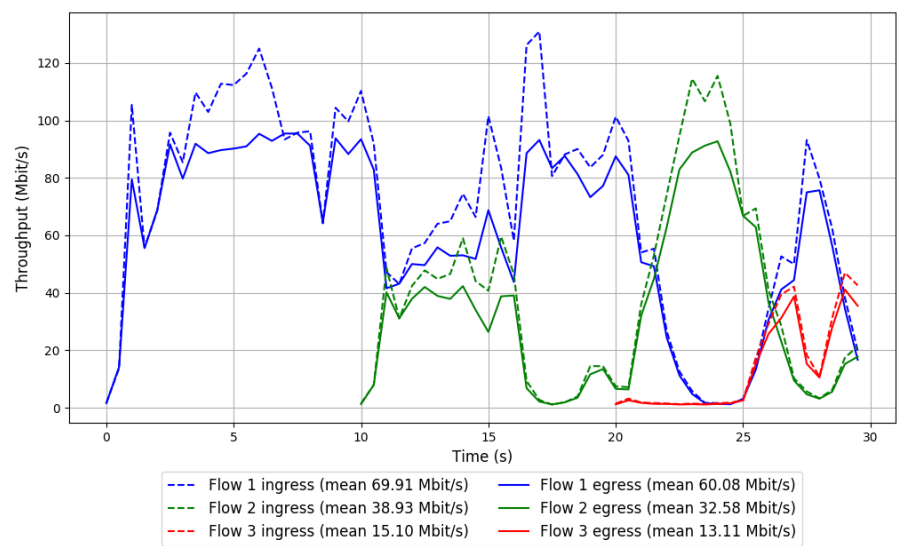


Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 05:43:16
End at: 2018-01-17 05:43:46
Local clock offset: -4.394 ms
Remote clock offset: -22.483 ms

Below is generated by plot.py at 2018-01-17 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 32.110 ms
Loss rate: 14.61%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 14.08%
-- Flow 2:
Average throughput: 32.58 Mbit/s
95th percentile per-packet one-way delay: 32.601 ms
Loss rate: 16.30%
-- Flow 3:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 30.810 ms
Loss rate: 13.24%

Run 10: Report of Vivace-loss — Data Link

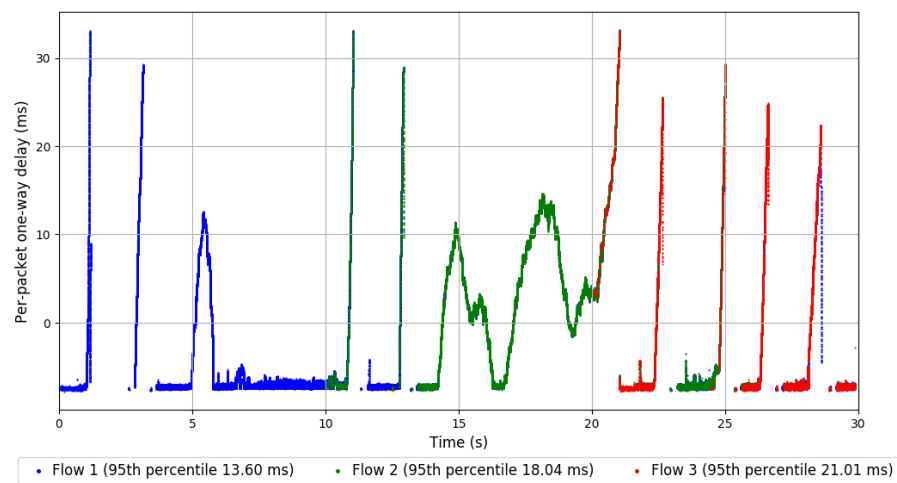
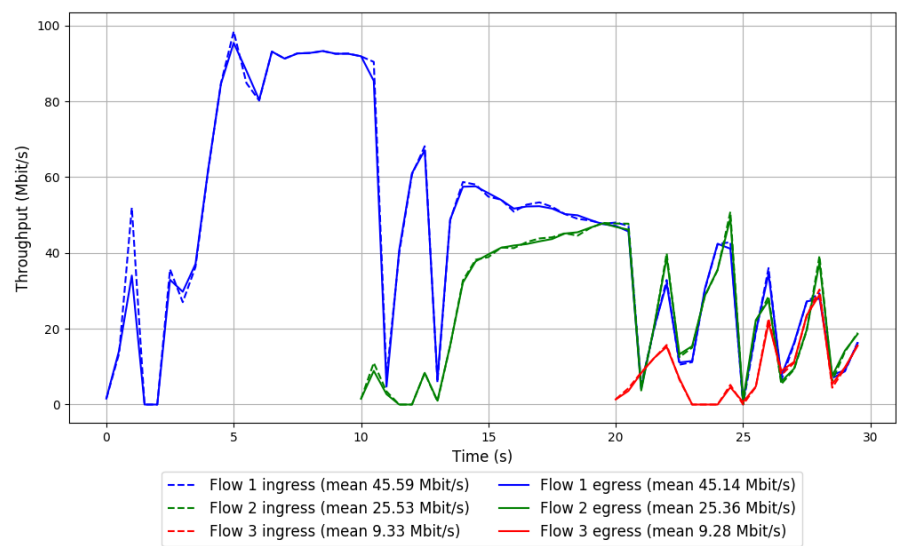


Run 1: Statistics of Vivace-LTE

Start at: 2018-01-17 02:35:55
End at: 2018-01-17 02:36:25
Local clock offset: -3.076 ms
Remote clock offset: -20.025 ms

Below is generated by plot.py at 2018-01-17 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 15.543 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 13.601 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 18.035 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 21.008 ms
Loss rate: 0.59%

Run 1: Report of Vivace-LTE — Data Link

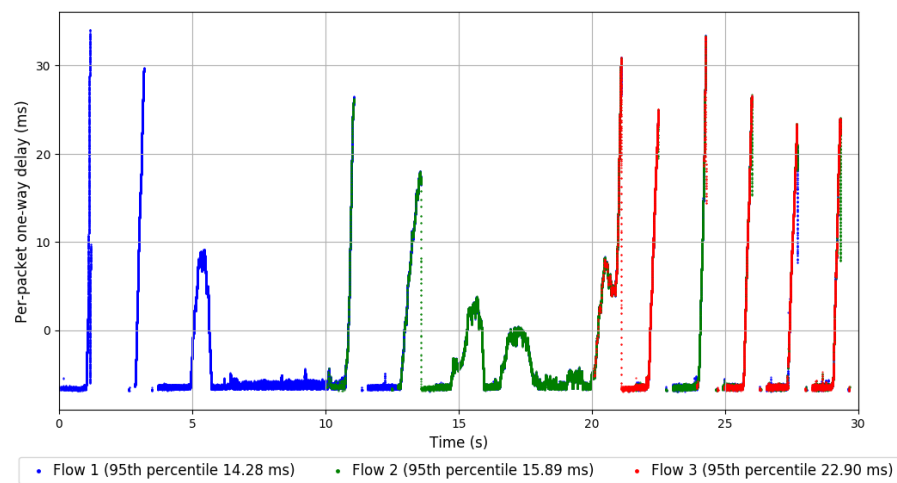
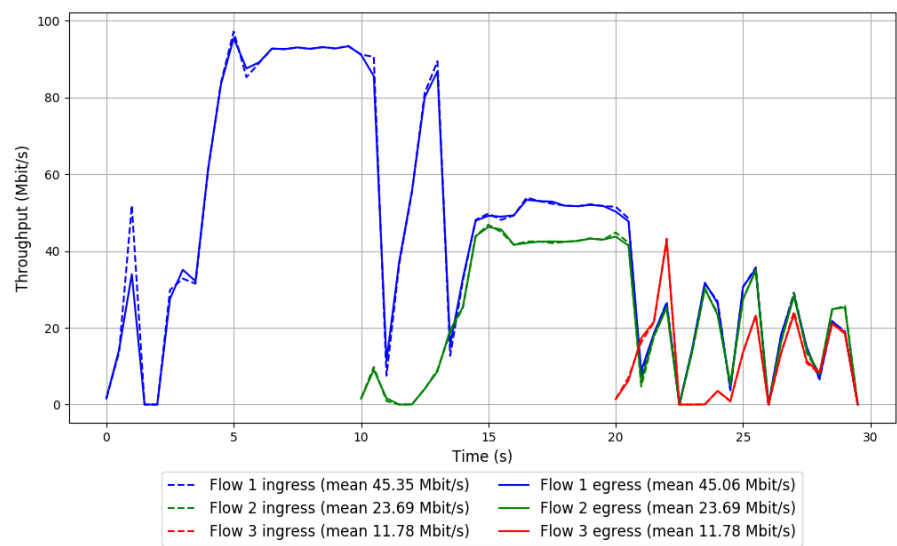


Run 2: Statistics of Vivace-LTE

Start at: 2018-01-17 02:58:05
End at: 2018-01-17 02:58:35
Local clock offset: -1.919 ms
Remote clock offset: -18.339 ms

Below is generated by plot.py at 2018-01-17 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 15.710 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 45.06 Mbit/s
95th percentile per-packet one-way delay: 14.280 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 15.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 22.903 ms
Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link

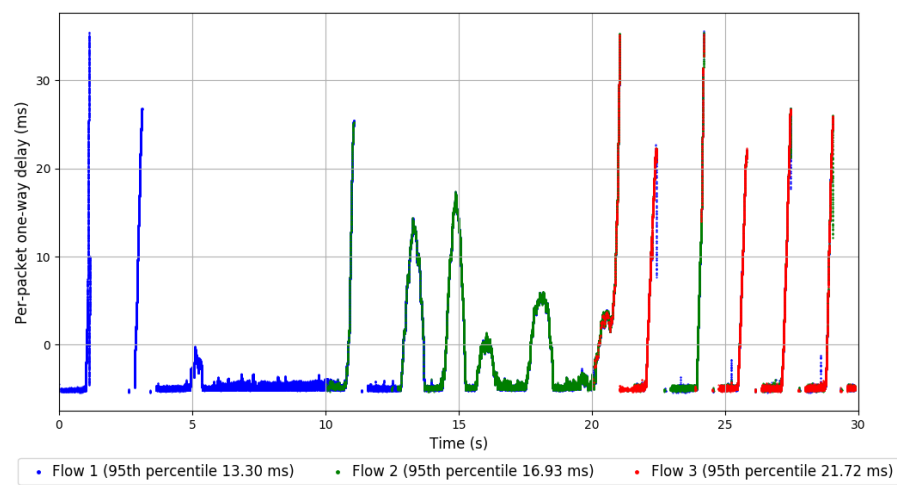
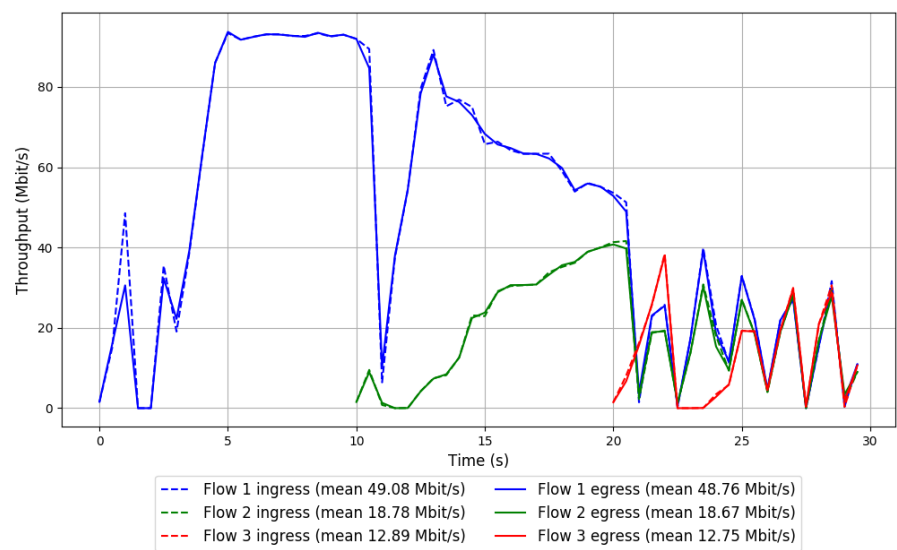


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-17 03:19:39
End at: 2018-01-17 03:20:09
Local clock offset: -1.031 ms
Remote clock offset: -16.548 ms

Below is generated by plot.py at 2018-01-17 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 15.152 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 13.298 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 16.931 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 21.716 ms
Loss rate: 1.10%

Run 3: Report of Vivace-LTE — Data Link

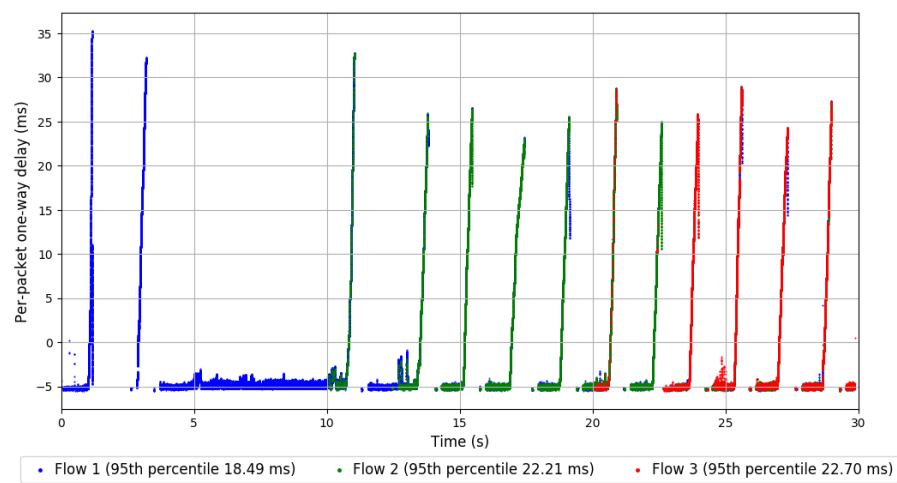
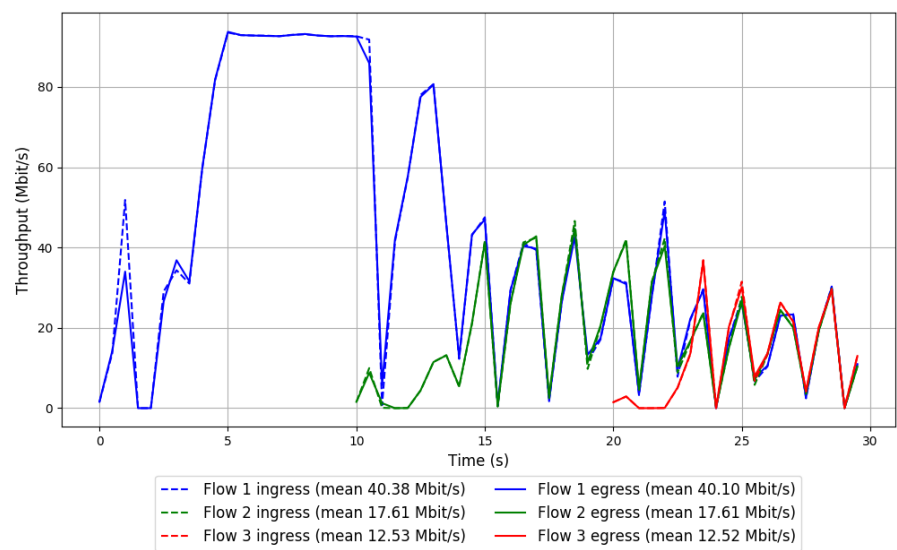


Run 4: Statistics of Vivace-LTE

Start at: 2018-01-17 03:41:21
End at: 2018-01-17 03:41:51
Local clock offset: -0.151 ms
Remote clock offset: -17.584 ms

Below is generated by plot.py at 2018-01-17 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 18.486 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 22.209 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 22.702 ms
Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link

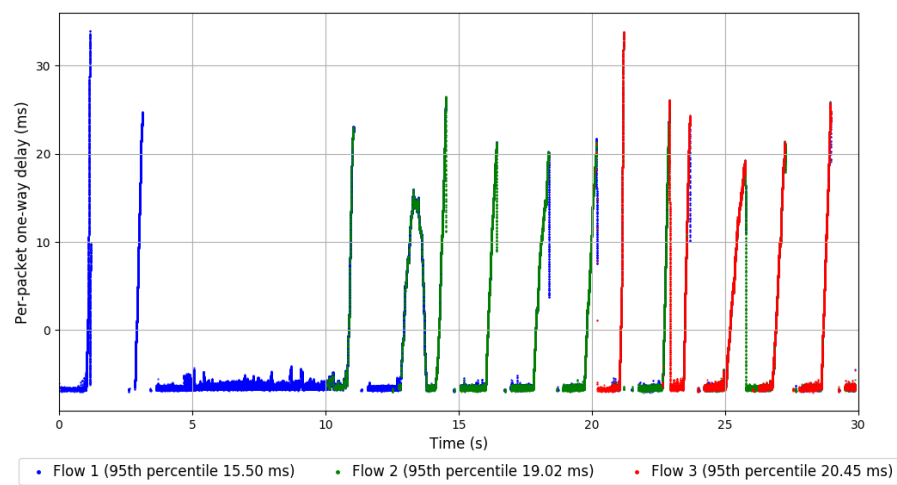
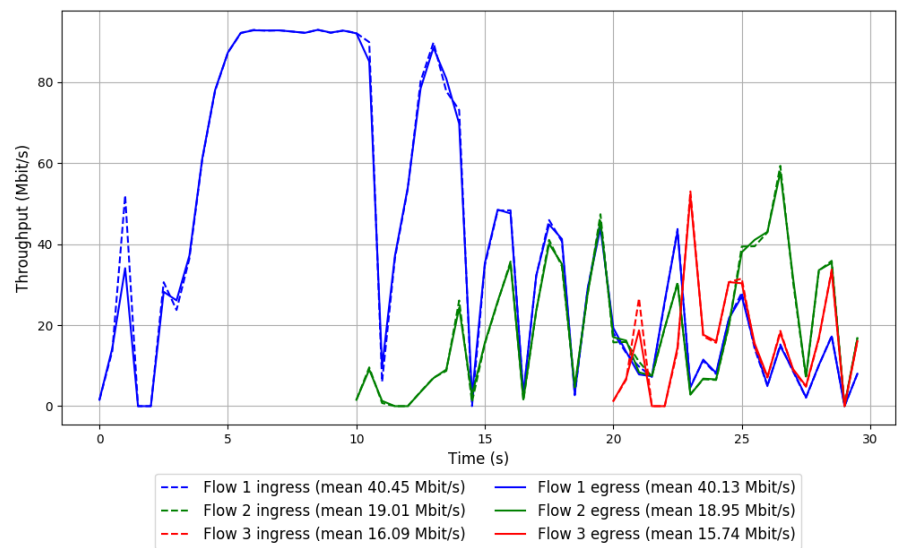


Run 5: Statistics of Vivace-LTE

Start at: 2018-01-17 04:03:06
End at: 2018-01-17 04:03:36
Local clock offset: -1.368 ms
Remote clock offset: -21.395 ms

Below is generated by plot.py at 2018-01-17 07:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 17.730 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 15.504 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 20.453 ms
Loss rate: 2.39%

Run 5: Report of Vivace-LTE — Data Link

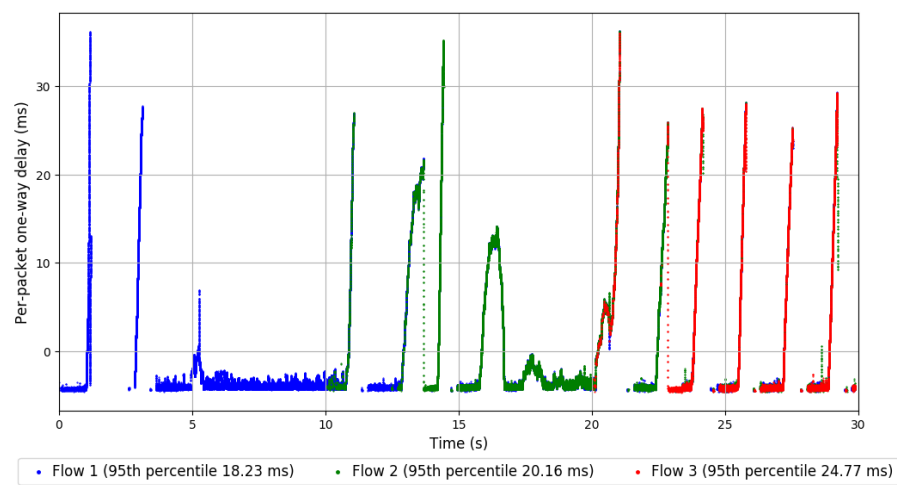
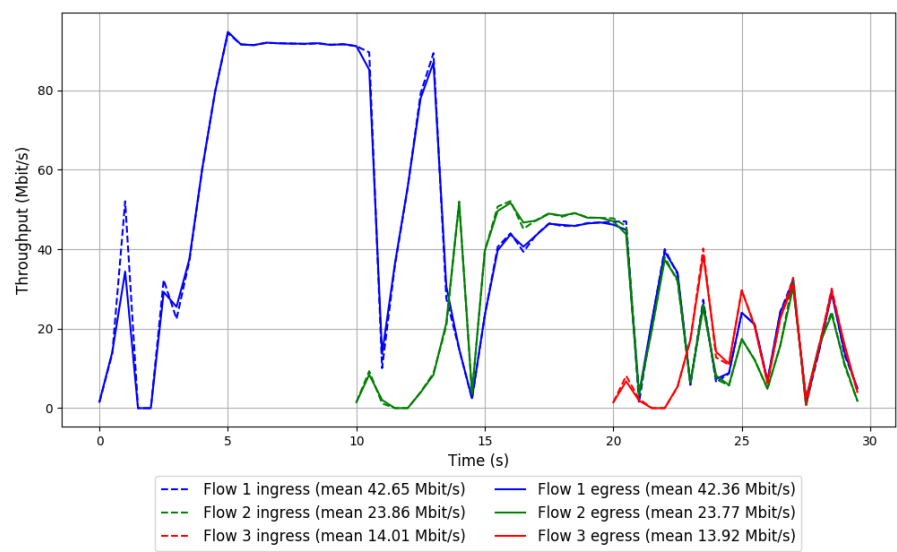


Run 6: Statistics of Vivace-LTE

Start at: 2018-01-17 04:24:57
End at: 2018-01-17 04:25:27
Local clock offset: 0.371 ms
Remote clock offset: -18.935 ms

Below is generated by plot.py at 2018-01-17 07:07:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 18.235 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 20.159 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 24.774 ms
Loss rate: 0.66%

Run 6: Report of Vivace-LTE — Data Link

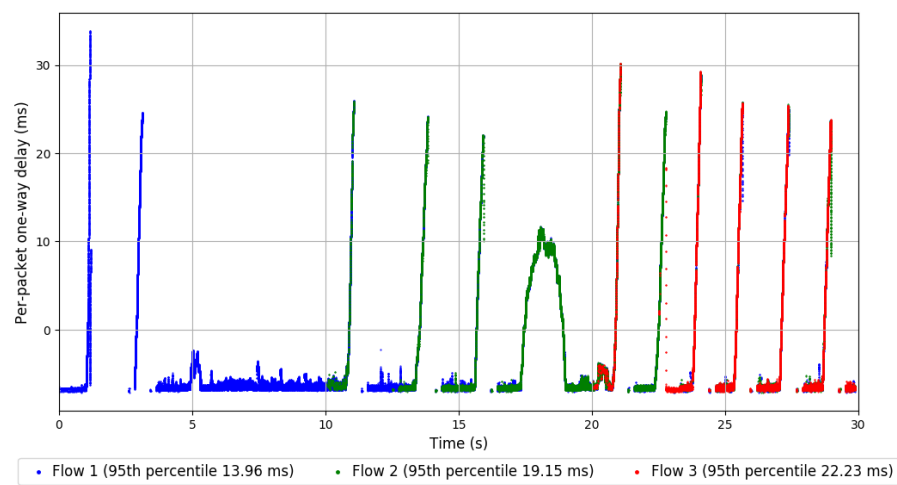
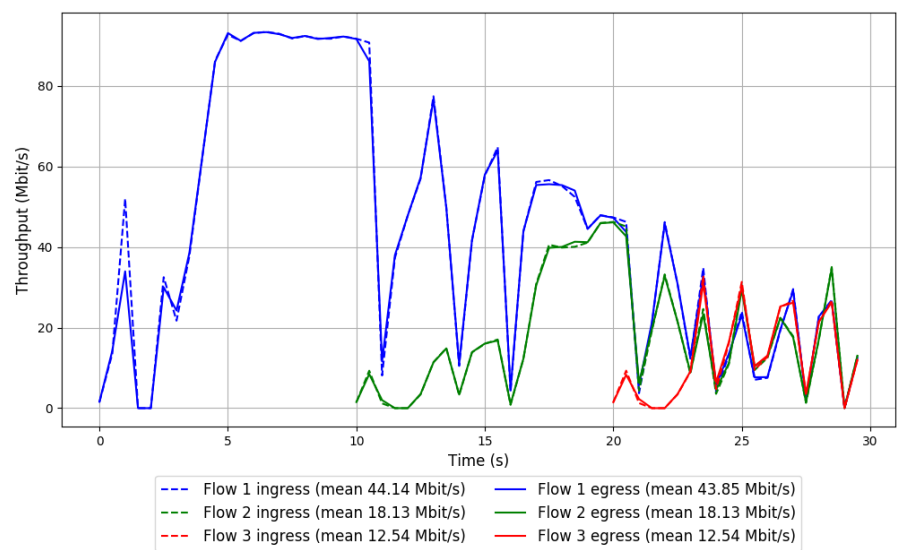


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 04:46:30
End at: 2018-01-17 04:47:00
Local clock offset: 0.754 ms
Remote clock offset: -19.713 ms

Below is generated by plot.py at 2018-01-17 07:08:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.03 Mbit/s
95th percentile per-packet one-way delay: 16.589 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 13.963 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.54 Mbit/s
95th percentile per-packet one-way delay: 22.227 ms
Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link

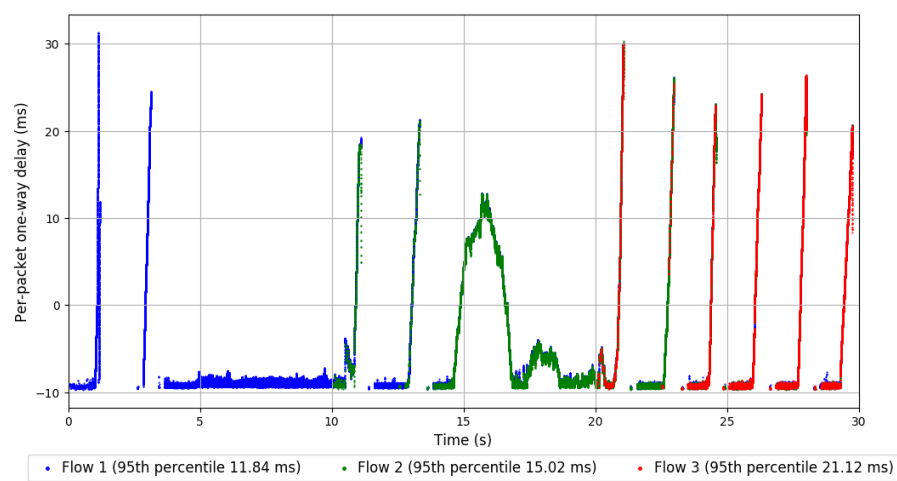
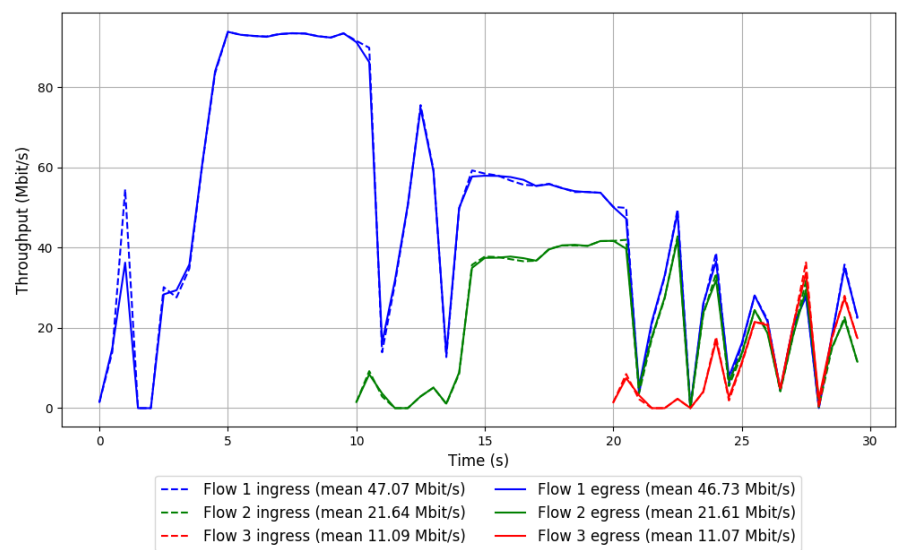


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 05:08:54
End at: 2018-01-17 05:09:24
Local clock offset: 1.431 ms
Remote clock offset: -22.242 ms

Below is generated by plot.py at 2018-01-17 07:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 13.659 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 11.838 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 15.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 21.120 ms
Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link

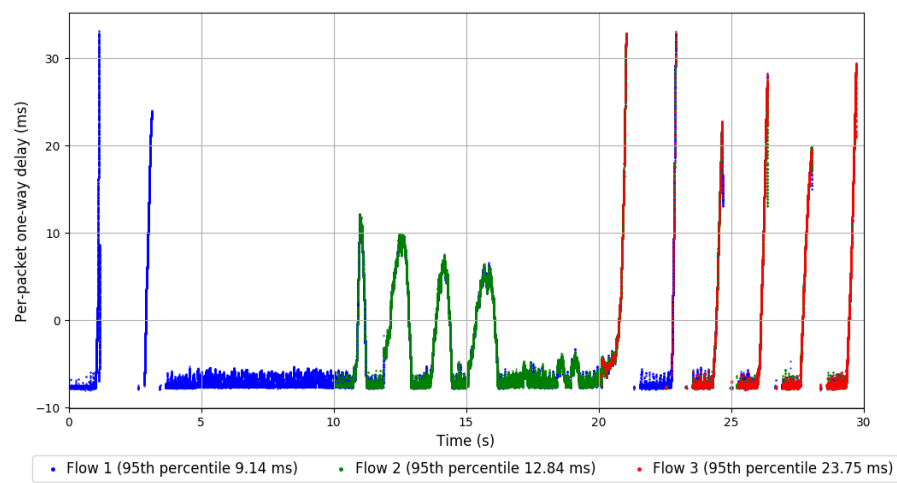
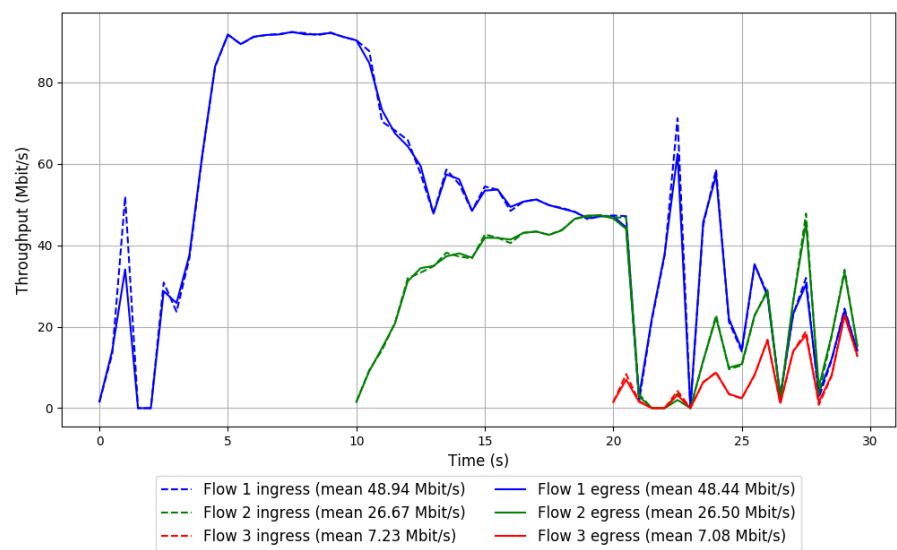


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 05:31:09
End at: 2018-01-17 05:31:39
Local clock offset: -1.781 ms
Remote clock offset: -23.688 ms

Below is generated by plot.py at 2018-01-17 07:08:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 10.617 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 9.145 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 23.755 ms
Loss rate: 1.80%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 05:52:51

End at: 2018-01-17 05:53:21

Local clock offset: -1.96 ms

Remote clock offset: -21.658 ms

Below is generated by plot.py at 2018-01-17 07:08:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.30 Mbit/s

95th percentile per-packet one-way delay: 17.568 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 42.63 Mbit/s

95th percentile per-packet one-way delay: 15.440 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 17.957 ms

Loss rate: 0.27%

-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 23.871 ms

Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

