

Pantheon Report

Generated at 2017-12-01 01:07:47 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

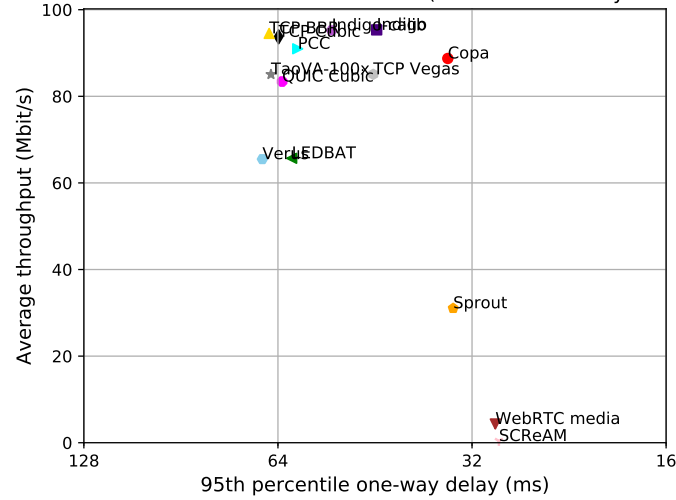
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

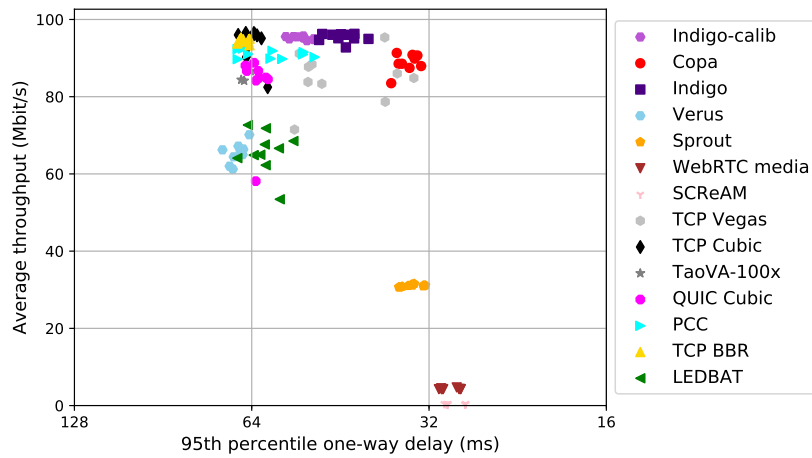
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



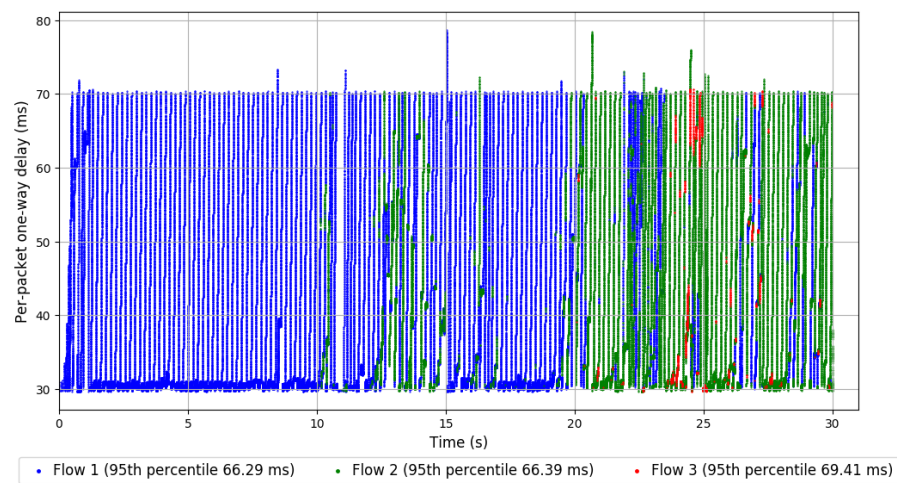
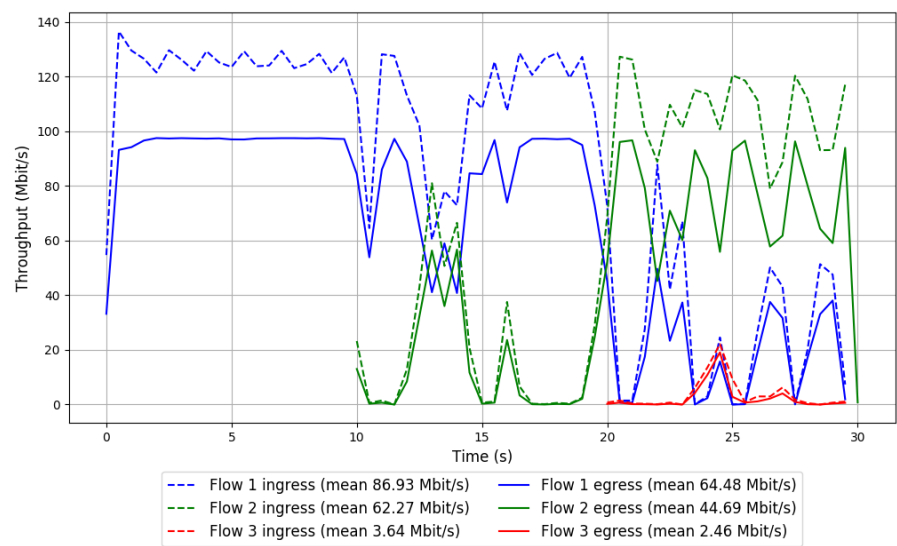
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	72.59	26.94	13.93	66.07	65.87	65.67	24.37	28.20	30.43
TCP Cubic	10	58.18	36.47	34.02	63.43	63.87	61.41	0.56	0.59	0.58
LEDBAT	10	38.87	29.88	21.09	59.06	61.82	59.23	0.10	0.26	0.22
PCC	10	79.11	13.92	7.94	59.39	60.64	59.00	4.01	5.03	4.37
QUIC Cubic	10	55.33	25.70	33.42	61.74	63.25	64.04	1.41	1.27	1.80
SCReAM	8	50.47	0.22	0.22	930.19	29.06	29.02	0.00	0.00	0.00
WebRTC media	10	2.32	1.45	0.58	29.39	29.45	29.82	0.03	0.00	0.01
Sprout	10	15.74	15.49	15.18	33.70	34.51	35.06	0.03	0.04	0.01
TaoVA-100x	3	51.65	39.21	29.03	63.27	65.78	66.14	15.08	27.02	17.88
TCP Vegas	10	55.45	30.73	27.70	45.78	41.17	42.38	0.44	0.24	0.17
Verus	10	40.42	30.71	17.50	66.93	68.12	63.60	41.96	49.01	42.88
Copa	9	60.83	32.44	25.00	34.62	35.30	35.41	0.06	0.07	0.07
Indigo	10	65.14	31.71	27.97	41.75	47.02	51.93	0.15	0.29	0.37
Indigo-calib	10	63.35	31.65	33.21	49.70	54.53	55.82	0.29	0.45	0.84

Run 1: Statistics of TCP BBR

Start at: 2017-11-30 21:25:28
End at: 2017-11-30 21:25:58
Local clock offset: -0.194 ms
Remote clock offset: -1.743 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 66.436 ms
Loss rate: 26.74%
-- Flow 1:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 66.286 ms
Loss rate: 25.96%
-- Flow 2:
Average throughput: 44.69 Mbit/s
95th percentile per-packet one-way delay: 66.391 ms
Loss rate: 28.20%
-- Flow 3:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 69.408 ms
Loss rate: 32.26%

Run 1: Report of TCP BBR — Data Link

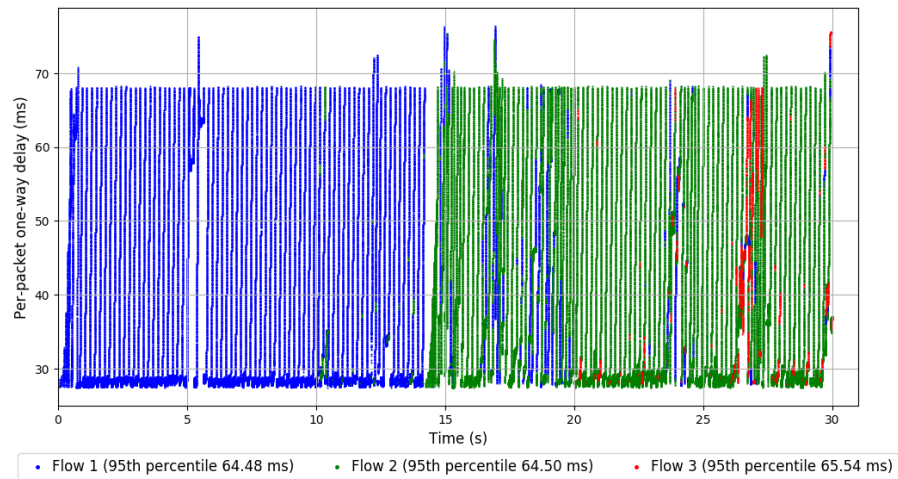
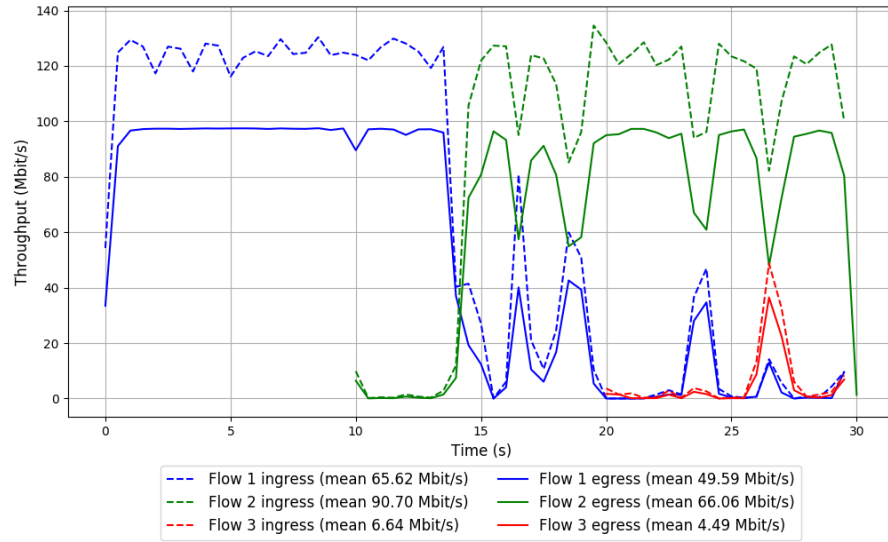


Run 2: Statistics of TCP BBR

Start at: 2017-11-30 21:44:50
End at: 2017-11-30 21:45:20
Local clock offset: -0.259 ms
Remote clock offset: -4.134 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 64.529 ms
Loss rate: 25.84%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 64.484 ms
Loss rate: 24.42%
-- Flow 2:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 64.502 ms
Loss rate: 27.14%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 65.540 ms
Loss rate: 32.32%

Run 2: Report of TCP BBR — Data Link

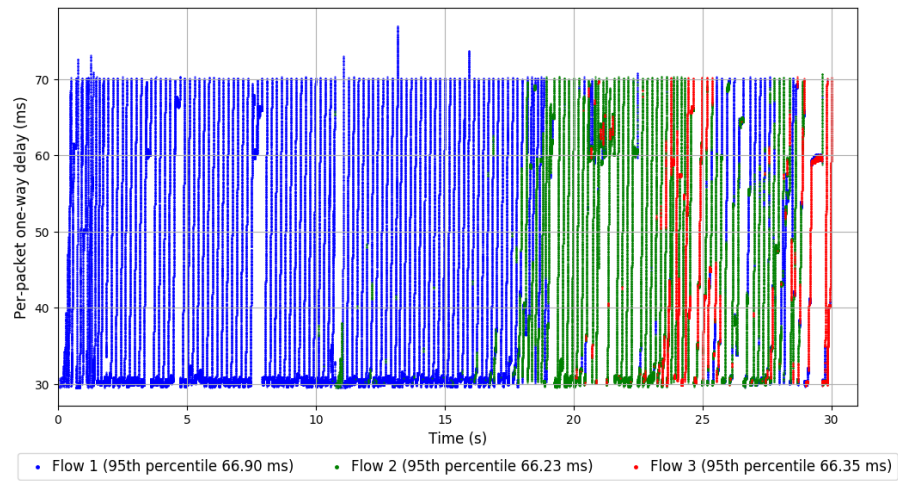
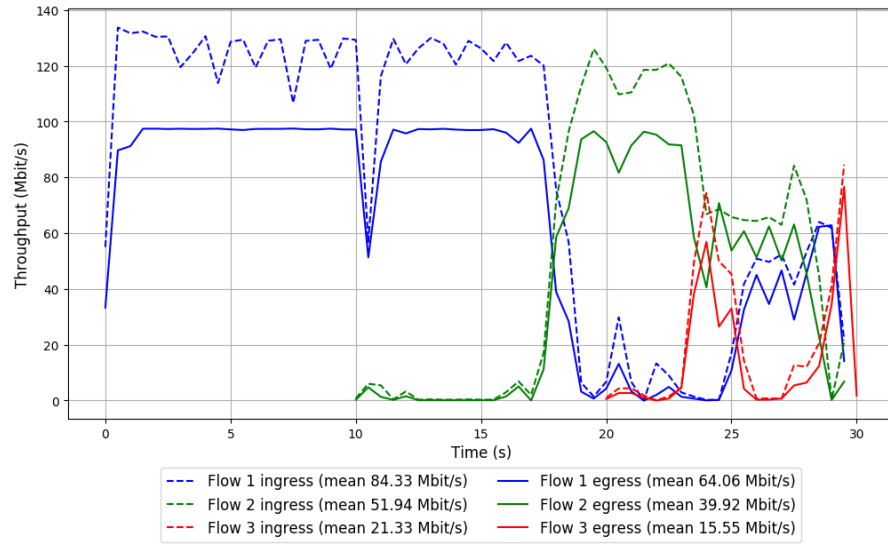


Run 3: Statistics of TCP BBR

Start at: 2017-11-30 22:03:54
End at: 2017-11-30 22:04:24
Local clock offset: -0.284 ms
Remote clock offset: -2.064 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 66.771 ms
Loss rate: 24.00%
-- Flow 1:
Average throughput: 64.06 Mbit/s
95th percentile per-packet one-way delay: 66.900 ms
Loss rate: 24.01%
-- Flow 2:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 66.227 ms
Loss rate: 23.35%
-- Flow 3:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 66.354 ms
Loss rate: 27.04%

Run 3: Report of TCP BBR — Data Link

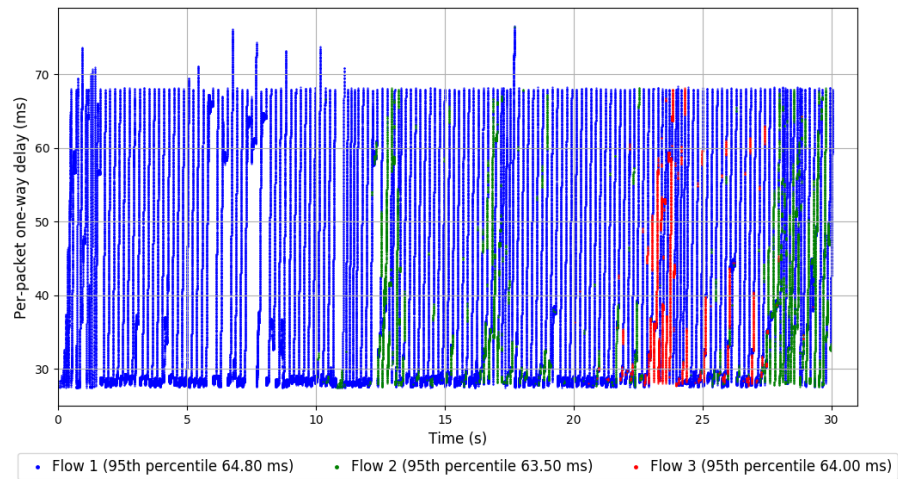
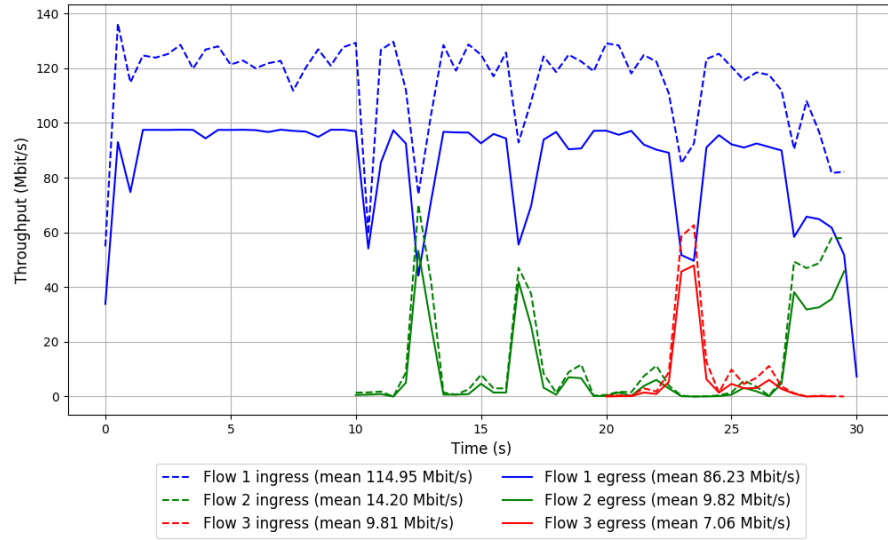


Run 4: Statistics of TCP BBR

Start at: 2017-11-30 22:23:18
End at: 2017-11-30 22:23:48
Local clock offset: -0.165 ms
Remote clock offset: -4.073 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 64.747 ms
Loss rate: 25.46%
-- Flow 1:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 64.796 ms
Loss rate: 24.89%
-- Flow 2:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 63.499 ms
Loss rate: 30.77%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 63.997 ms
Loss rate: 30.67%

Run 4: Report of TCP BBR — Data Link

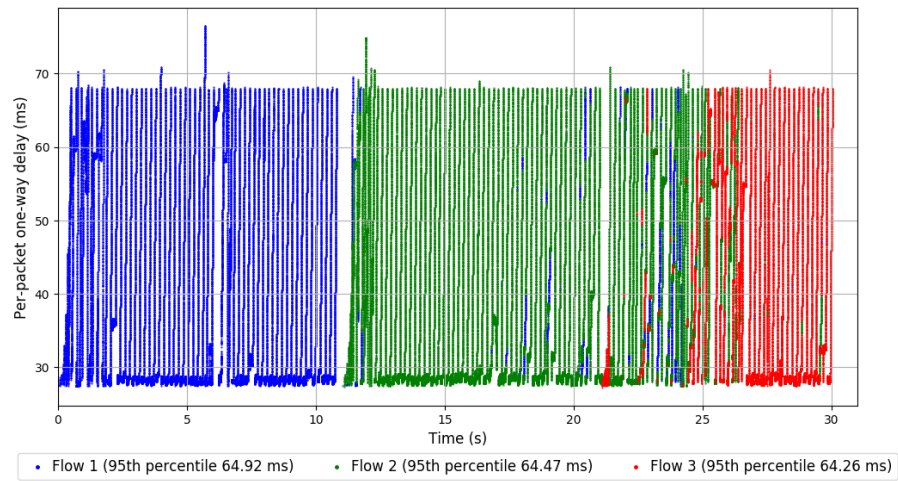
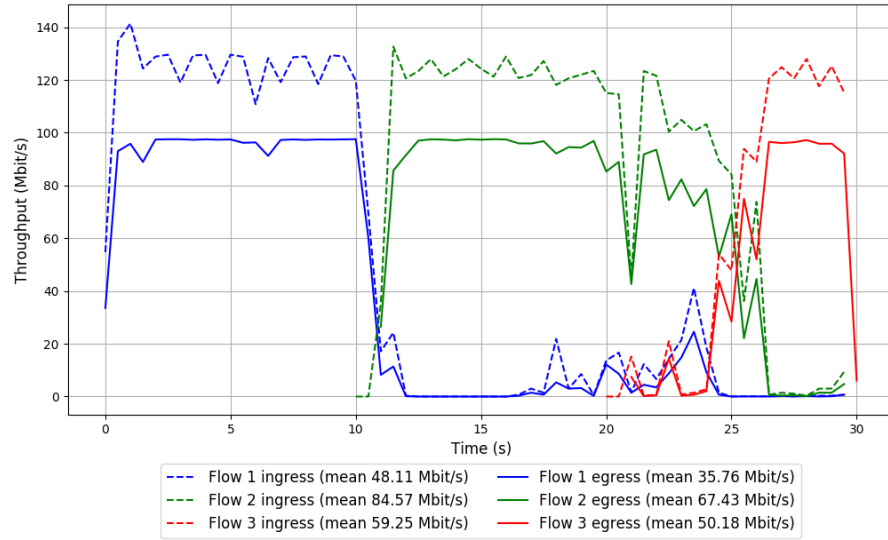


Run 5: Statistics of TCP BBR

Start at: 2017-11-30 22:42:54
End at: 2017-11-30 22:43:24
Local clock offset: -0.245 ms
Remote clock offset: -4.113 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 64.553 ms
Loss rate: 24.65%
-- Flow 1:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 64.922 ms
Loss rate: 25.63%
-- Flow 2:
Average throughput: 67.43 Mbit/s
95th percentile per-packet one-way delay: 64.468 ms
Loss rate: 24.19%
-- Flow 3:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 64.263 ms
Loss rate: 23.60%

Run 5: Report of TCP BBR — Data Link

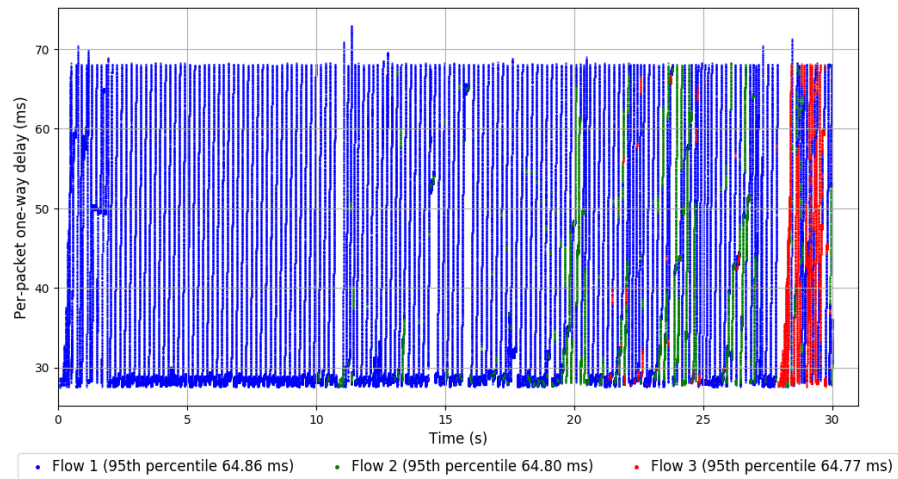
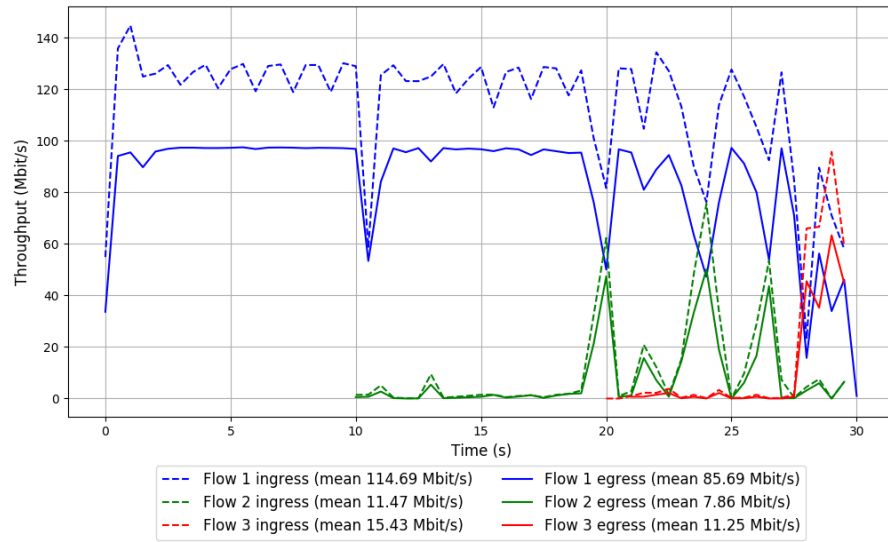


Run 6: Statistics of TCP BBR

Start at: 2017-11-30 23:02:45
End at: 2017-11-30 23:03:15
Local clock offset: -0.299 ms
Remote clock offset: -4.197 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 64.852 ms
Loss rate: 26.03%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 64.856 ms
Loss rate: 25.27%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 64.795 ms
Loss rate: 31.46%
-- Flow 3:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 64.765 ms
Loss rate: 35.05%

Run 6: Report of TCP BBR — Data Link

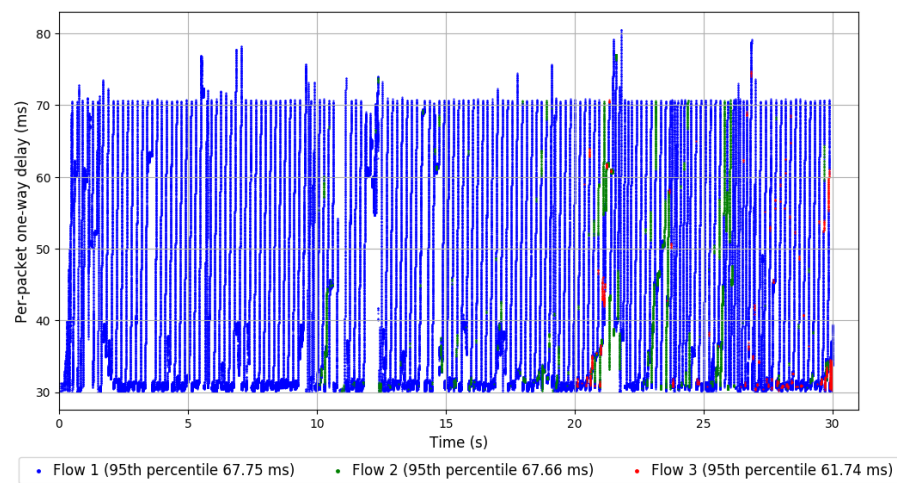
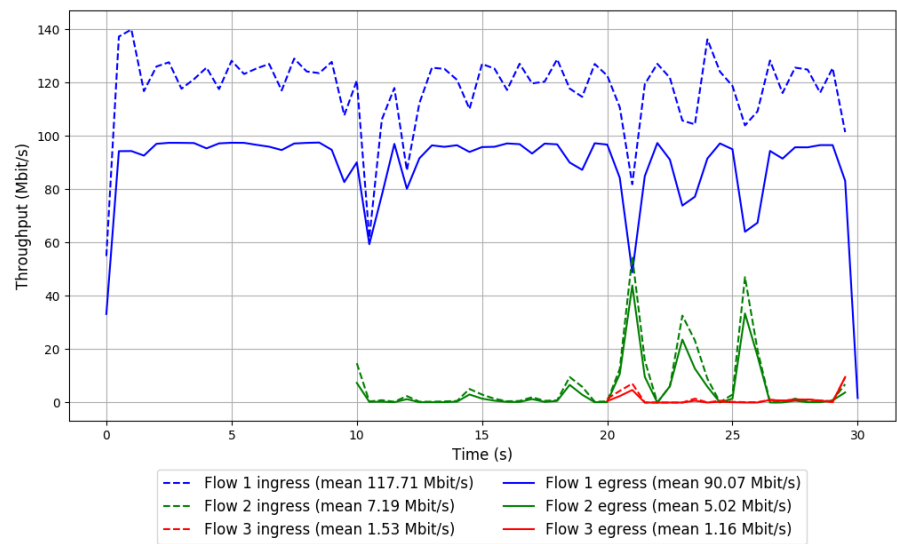


Run 7: Statistics of TCP BBR

Start at: 2017-11-30 23:22:19
End at: 2017-11-30 23:22:49
Local clock offset: -0.28 ms
Remote clock offset: -1.788 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 67.714 ms
Loss rate: 23.73%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 67.745 ms
Loss rate: 23.46%
-- Flow 2:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 67.659 ms
Loss rate: 30.40%
-- Flow 3:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 61.738 ms
Loss rate: 23.65%

Run 7: Report of TCP BBR — Data Link

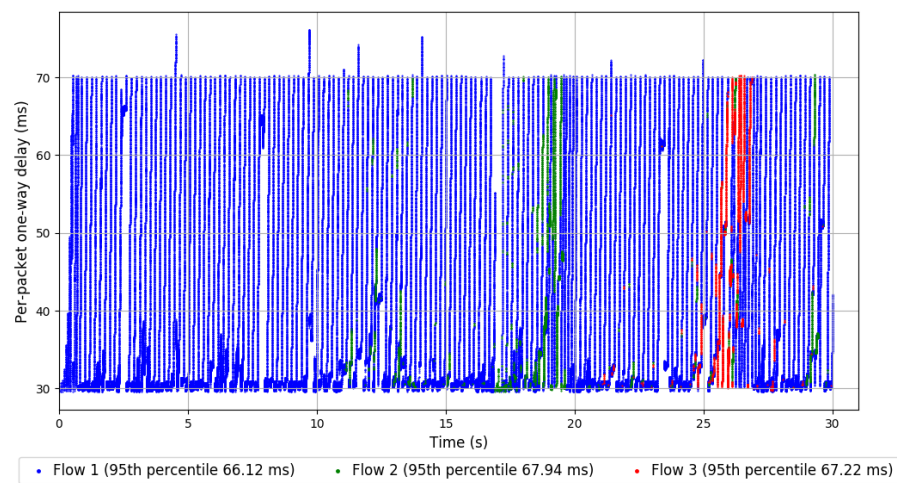
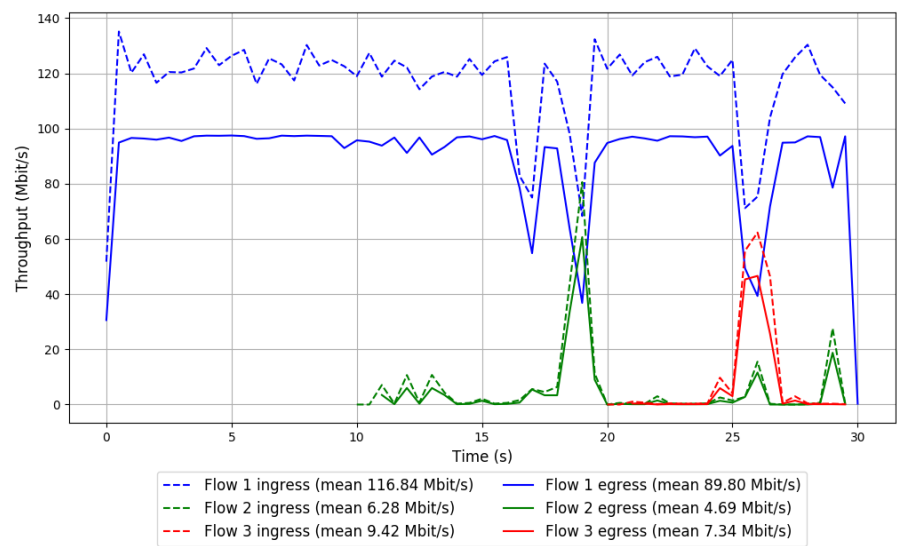


Run 8: Statistics of TCP BBR

Start at: 2017-11-30 23:42:30
End at: 2017-11-30 23:43:00
Local clock offset: -0.258 ms
Remote clock offset: -2.494 ms

Below is generated by plot.py at 2017-12-01 00:48:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 66.176 ms
Loss rate: 23.50%
-- Flow 1:
Average throughput: 89.80 Mbit/s
95th percentile per-packet one-way delay: 66.125 ms
Loss rate: 23.11%
-- Flow 2:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 67.936 ms
Loss rate: 29.29%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 67.219 ms
Loss rate: 30.27%

Run 8: Report of TCP BBR — Data Link

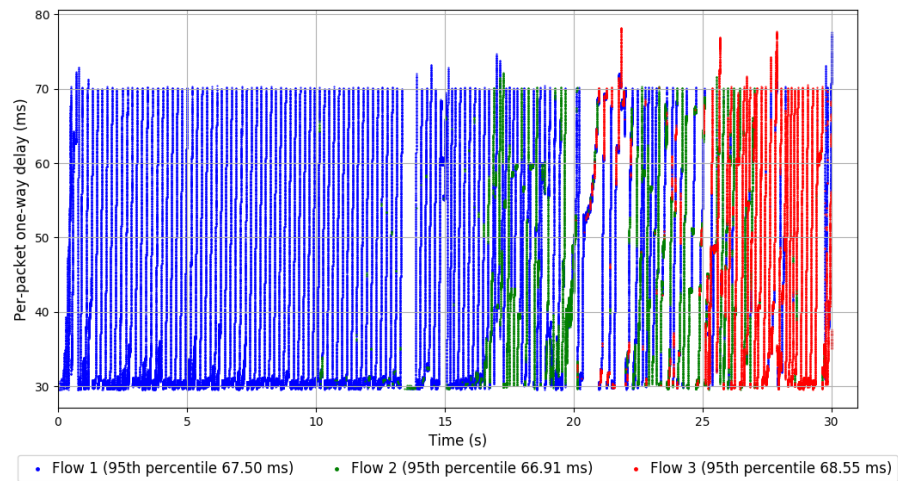
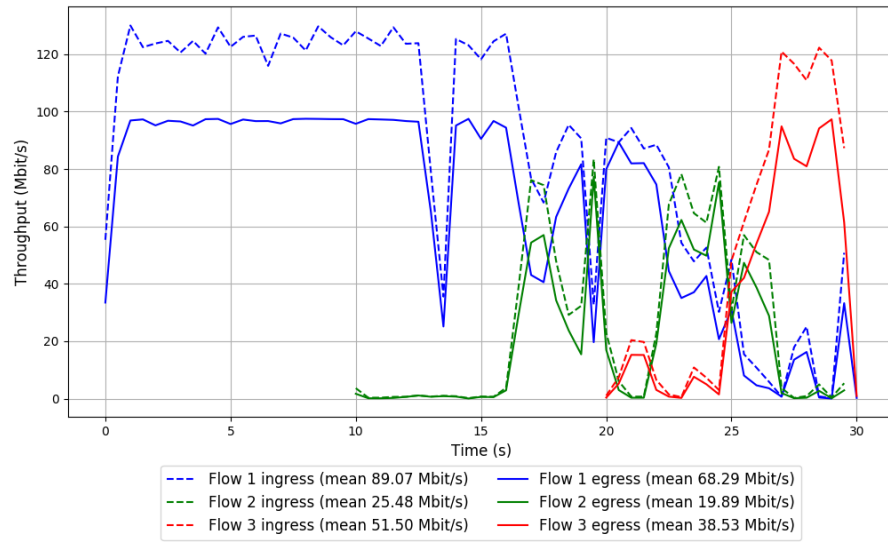


Run 9: Statistics of TCP BBR

Start at: 2017-12-01 00:02:34
End at: 2017-12-01 00:03:04
Local clock offset: -0.152 ms
Remote clock offset: -2.454 ms

Below is generated by plot.py at 2017-12-01 00:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 67.503 ms
Loss rate: 23.40%
-- Flow 1:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 67.501 ms
Loss rate: 23.27%
-- Flow 2:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 66.909 ms
Loss rate: 22.17%
-- Flow 3:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 68.554 ms
Loss rate: 25.29%

Run 9: Report of TCP BBR — Data Link

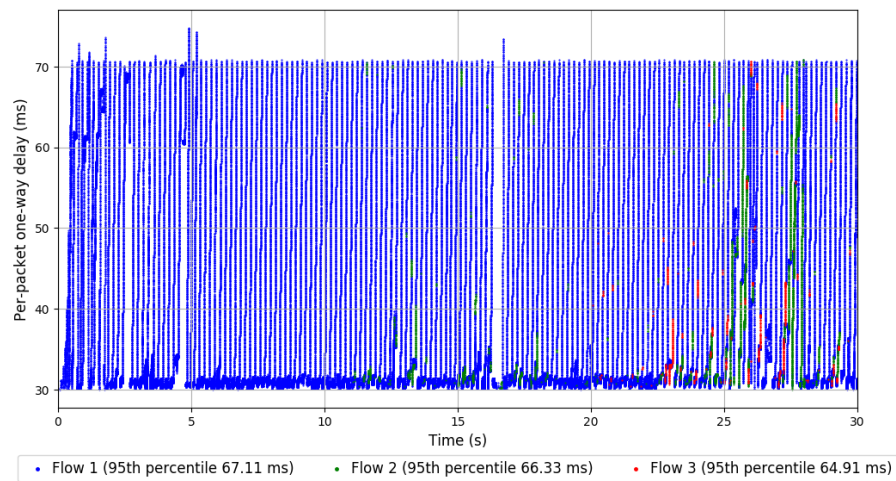
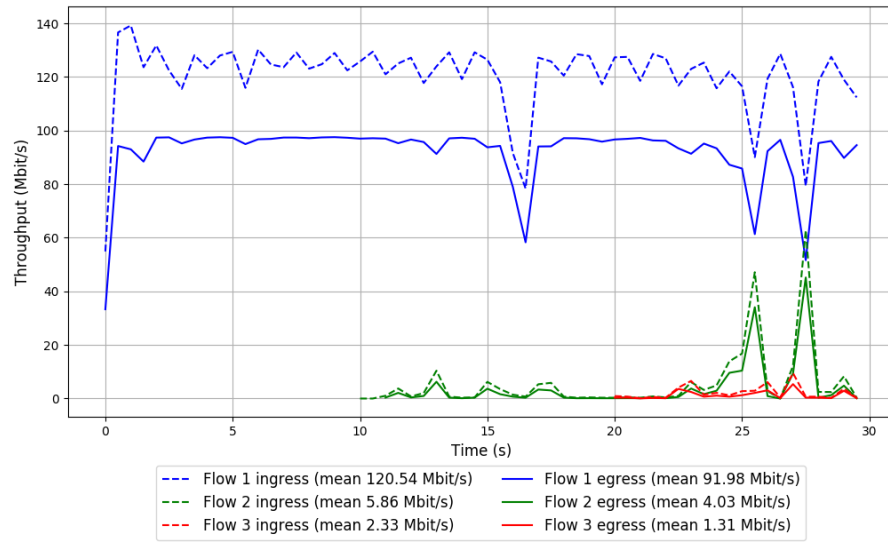


Run 10: Statistics of TCP BBR

Start at: 2017-12-01 00:22:58
End at: 2017-12-01 00:23:28
Local clock offset: -0.261 ms
Remote clock offset: -2.239 ms

Below is generated by plot.py at 2017-12-01 00:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 67.088 ms
Loss rate: 24.17%
-- Flow 1:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 67.112 ms
Loss rate: 23.69%
-- Flow 2:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 35.02%
-- Flow 3:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 64.910 ms
Loss rate: 44.20%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 21:15:41

End at: 2017-11-30 21:16:11

Local clock offset: -0.042 ms

Remote clock offset: -3.74 ms

Below is generated by plot.py at 2017-12-01 00:49:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 63.469 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 67.78 Mbit/s

95th percentile per-packet one-way delay: 62.672 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 63.701 ms

Loss rate: 0.89%

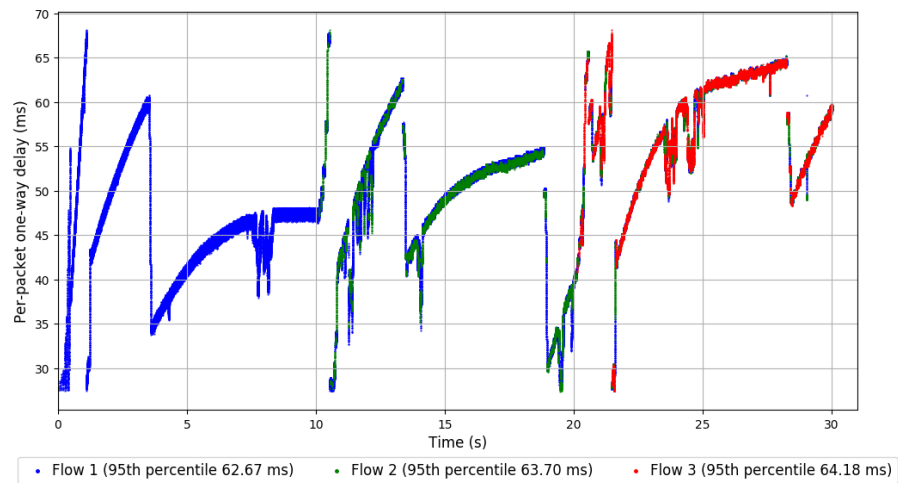
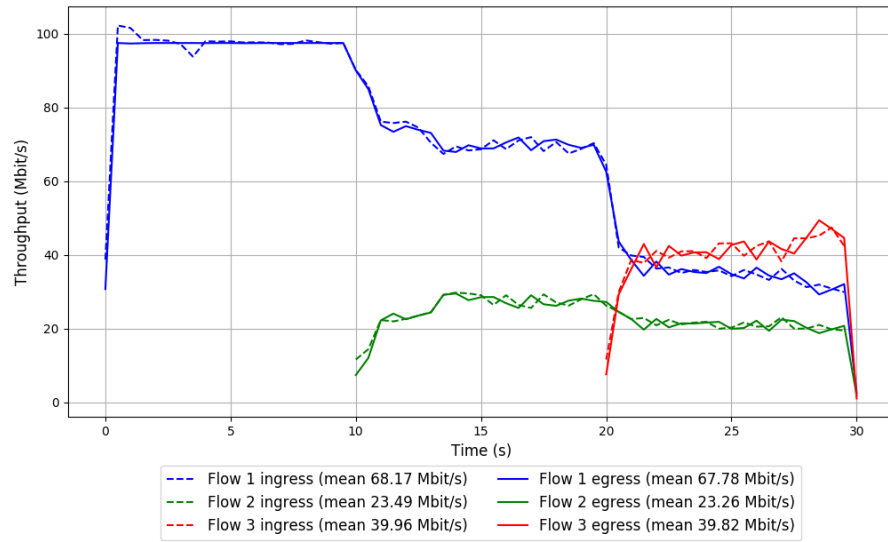
-- Flow 3:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 64.181 ms

Loss rate: 0.16%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 21:35:24

End at: 2017-11-30 21:35:54

Local clock offset: -0.161 ms

Remote clock offset: -4.16 ms

Below is generated by plot.py at 2017-12-01 00:49:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 62.687 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 62.423 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 49.29 Mbit/s

95th percentile per-packet one-way delay: 62.933 ms

Loss rate: 0.52%

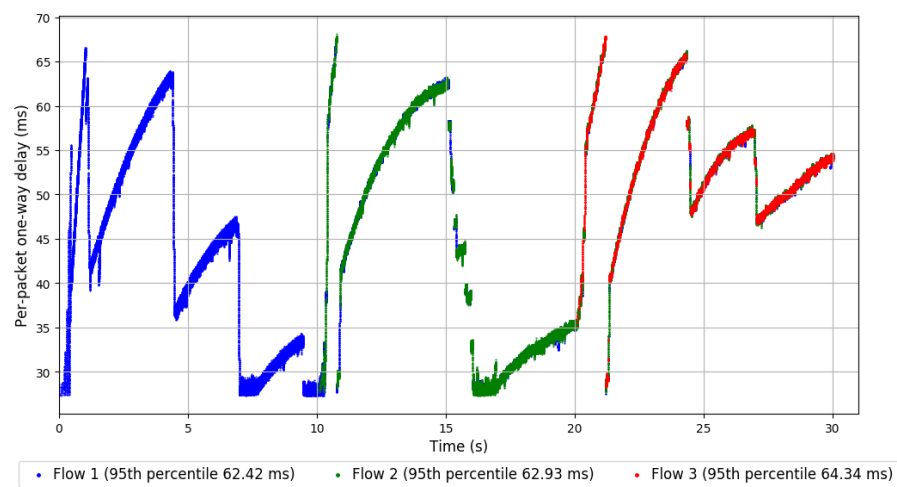
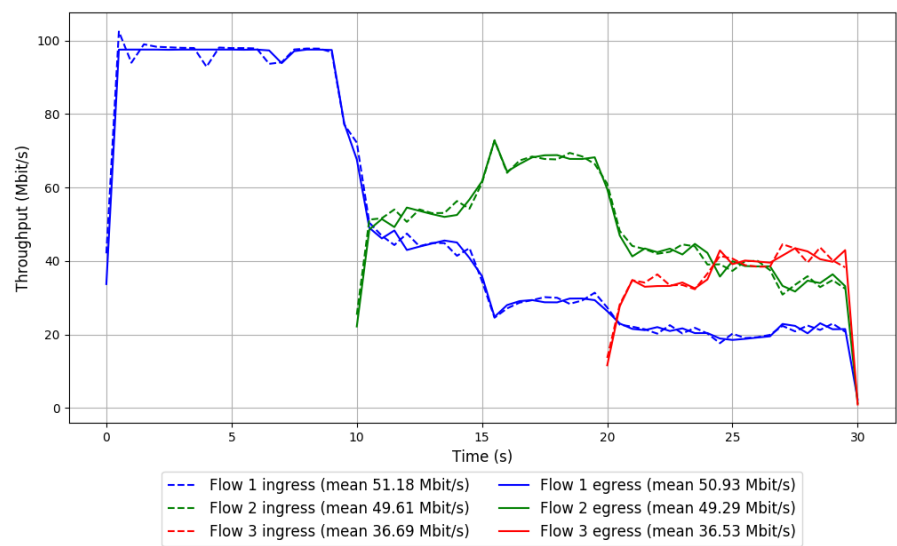
-- Flow 3:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 64.336 ms

Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

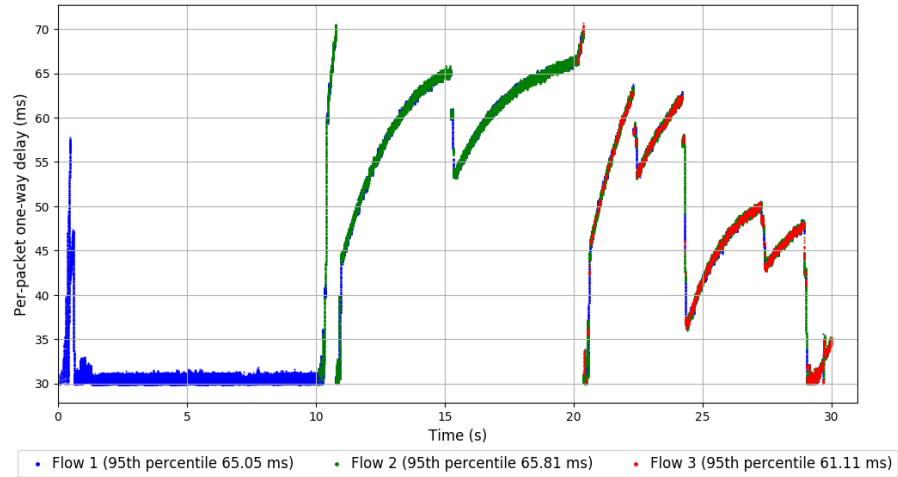
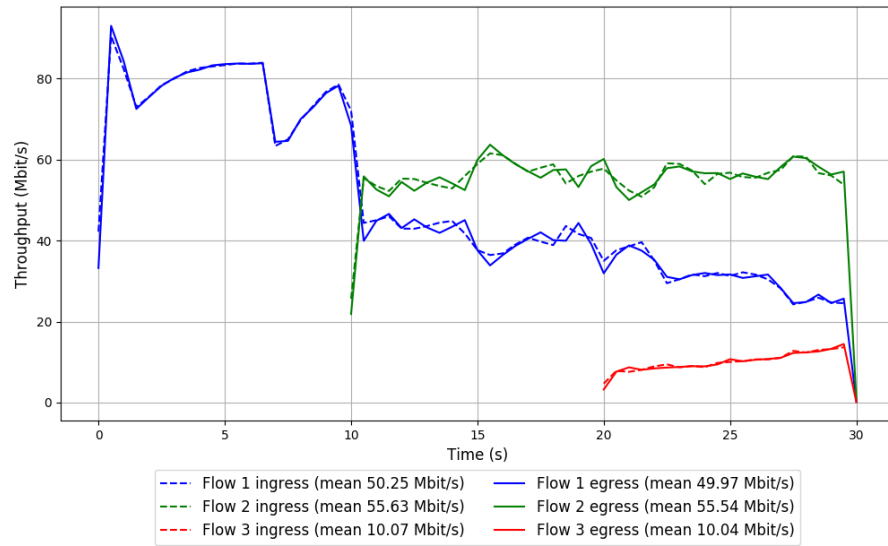


Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 21:54:31
End at: 2017-11-30 21:55:01
Local clock offset: -0.206 ms
Remote clock offset: -1.618 ms

Below is generated by plot.py at 2017-12-01 00:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 65.359 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 65.052 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 65.810 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 10.04 Mbit/s
95th percentile per-packet one-way delay: 61.109 ms
Loss rate: 0.62%

Run 3: Report of TCP Cubic — Data Link

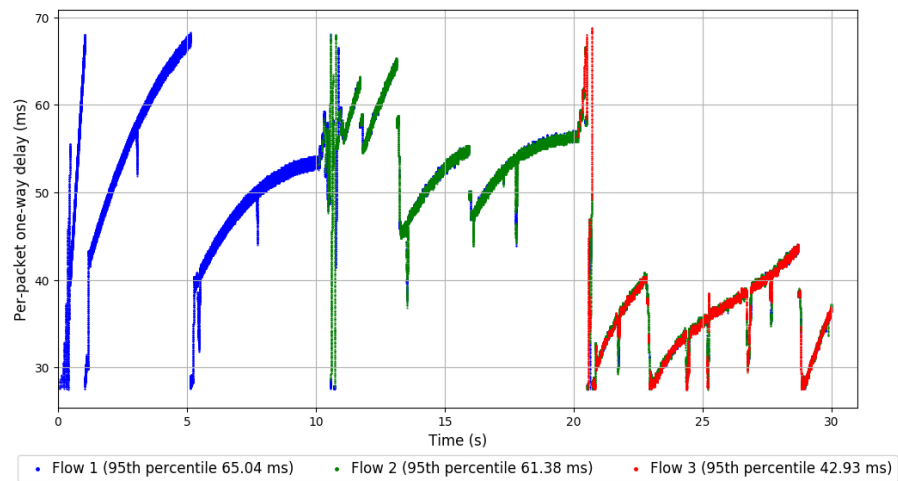
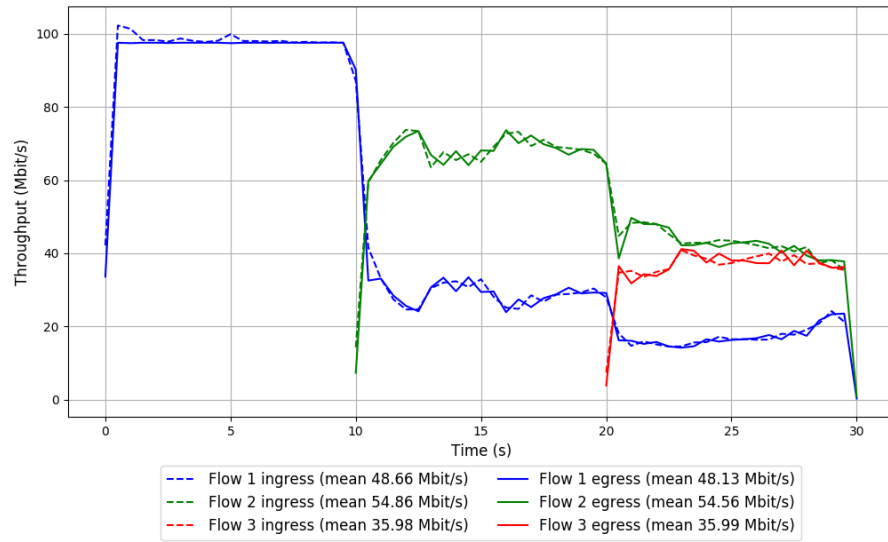


Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 22:13:44
End at: 2017-11-30 22:14:14
Local clock offset: -0.27 ms
Remote clock offset: -4.114 ms

Below is generated by plot.py at 2017-12-01 00:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 63.325 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 61.375 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 42.929 ms
Loss rate: 0.18%

Run 4: Report of TCP Cubic — Data Link

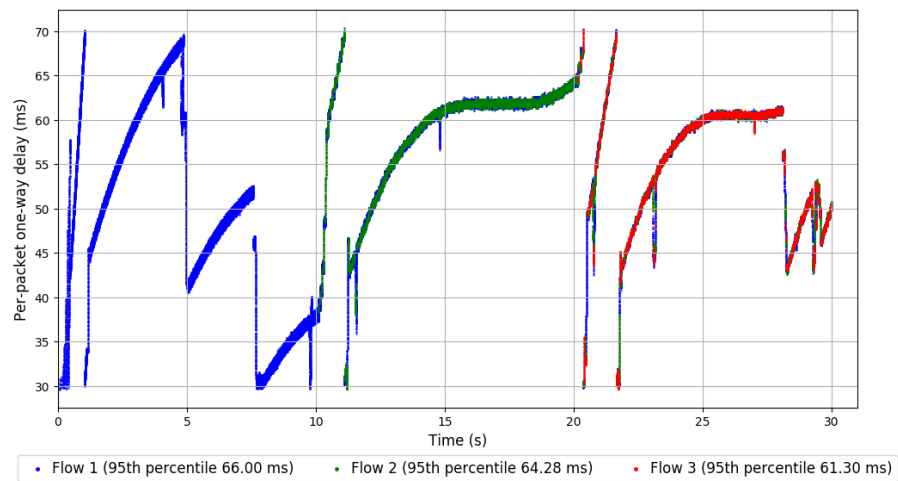
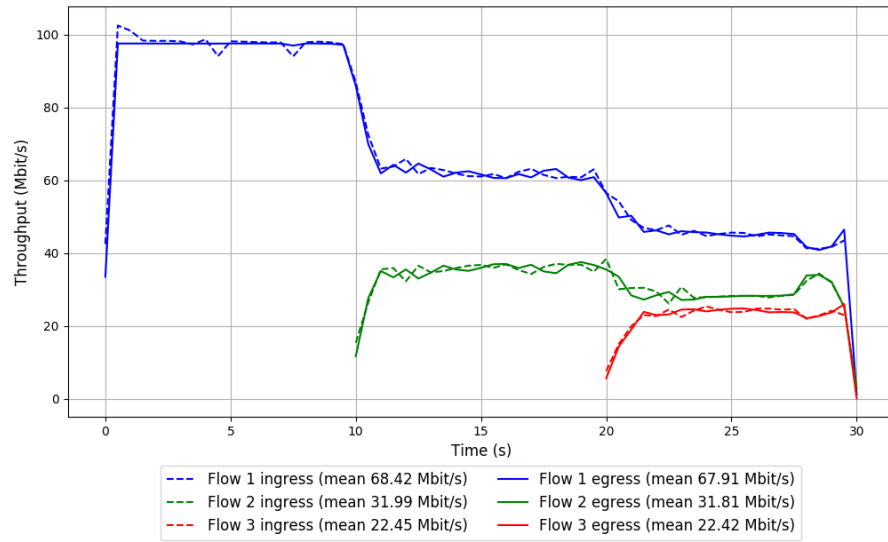


Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 22:33:22
End at: 2017-11-30 22:33:52
Local clock offset: -0.292 ms
Remote clock offset: -1.931 ms

Below is generated by plot.py at 2017-12-01 00:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 65.501 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 65.995 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 64.280 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 61.298 ms
Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 22:52:57

End at: 2017-11-30 22:53:27

Local clock offset: -0.157 ms

Remote clock offset: -4.14 ms

Below is generated by plot.py at 2017-12-01 00:49:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 65.256 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 58.28 Mbit/s

95th percentile per-packet one-way delay: 64.232 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 27.24 Mbit/s

95th percentile per-packet one-way delay: 65.143 ms

Loss rate: 0.96%

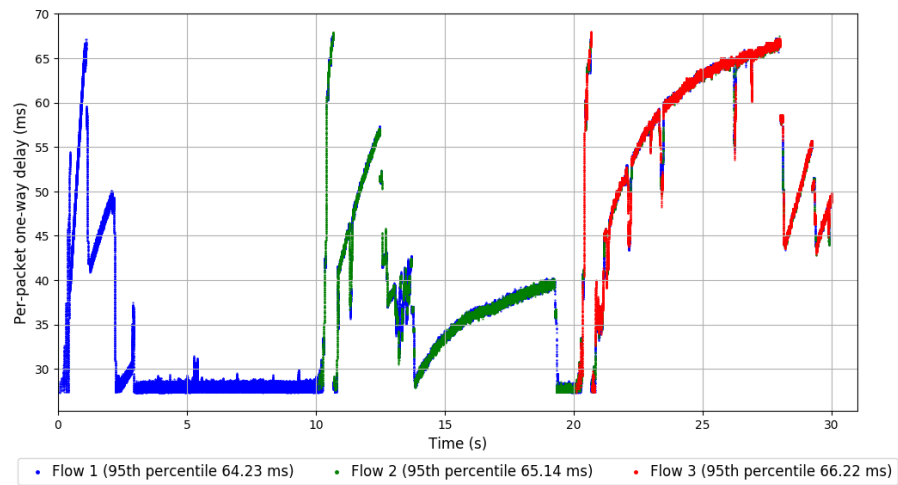
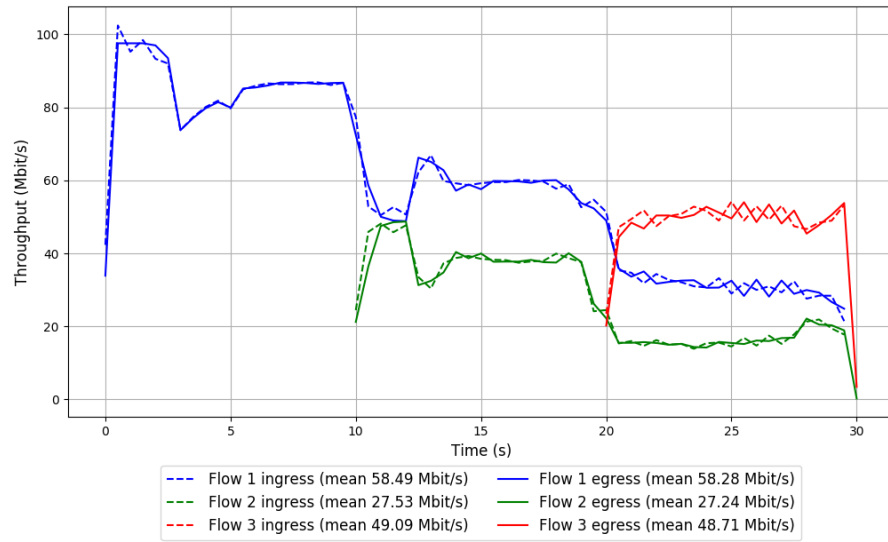
-- Flow 3:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 66.223 ms

Loss rate: 0.57%

Run 6: Report of TCP Cubic — Data Link

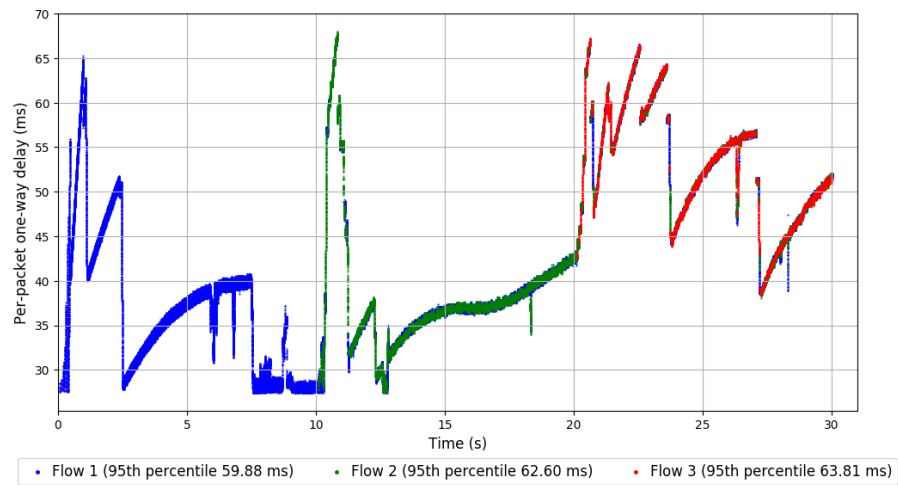
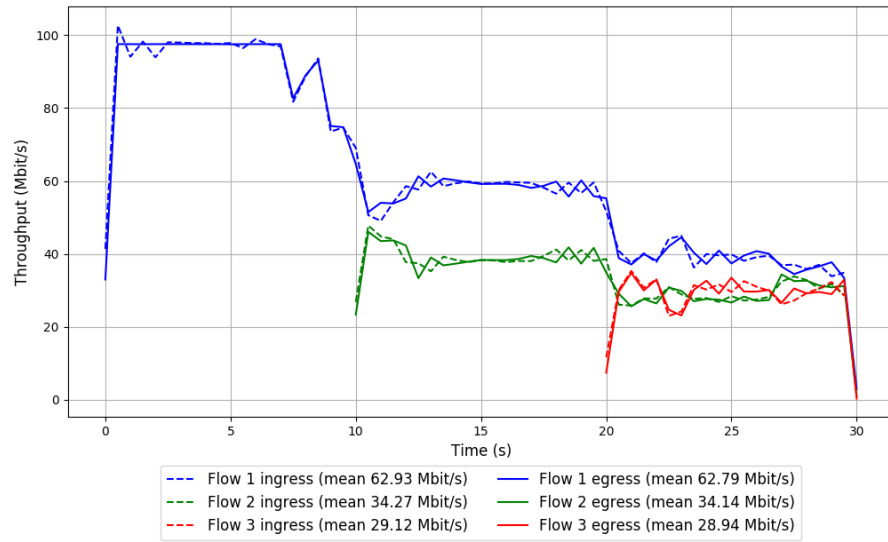


Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 23:12:40
End at: 2017-11-30 23:13:10
Local clock offset: -0.256 ms
Remote clock offset: -4.263 ms

Below is generated by plot.py at 2017-12-01 00:51:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 59.884 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 63.807 ms
Loss rate: 0.51%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 23:32:30

End at: 2017-11-30 23:33:00

Local clock offset: -0.248 ms

Remote clock offset: -4.53 ms

Below is generated by plot.py at 2017-12-01 00:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 60.133 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 43.71 Mbit/s

95th percentile per-packet one-way delay: 57.597 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 63.329 ms

Loss rate: 0.87%

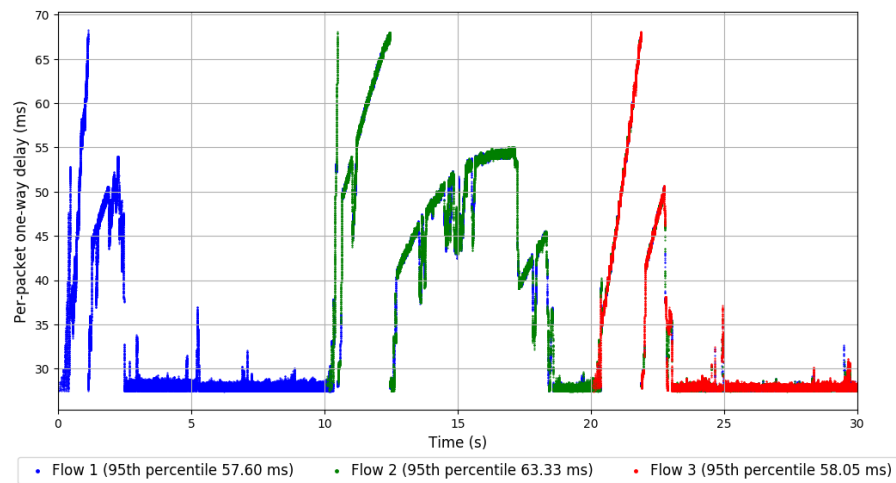
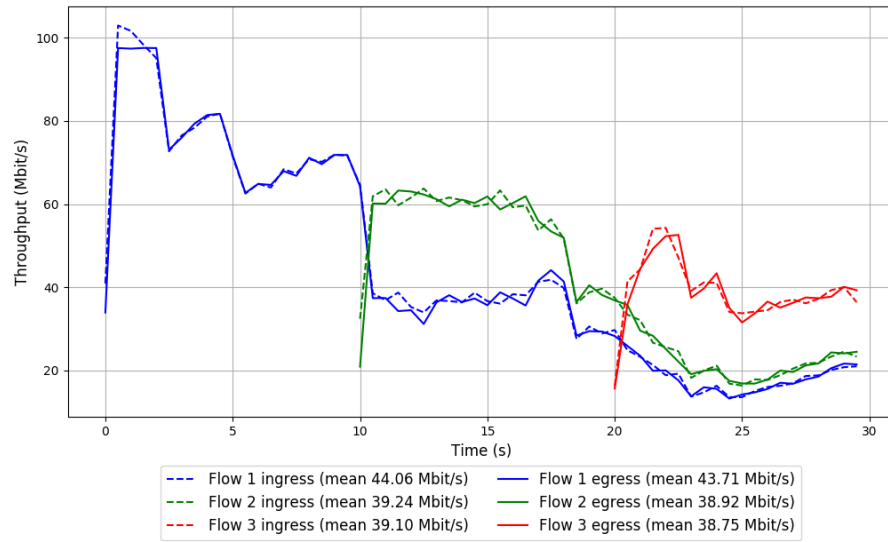
-- Flow 3:

Average throughput: 38.75 Mbit/s

95th percentile per-packet one-way delay: 58.055 ms

Loss rate: 0.90%

Run 8: Report of TCP Cubic — Data Link

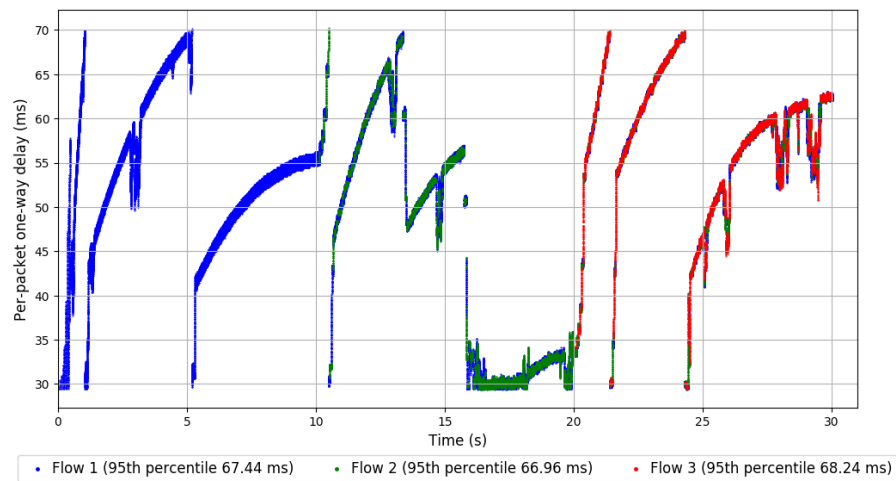
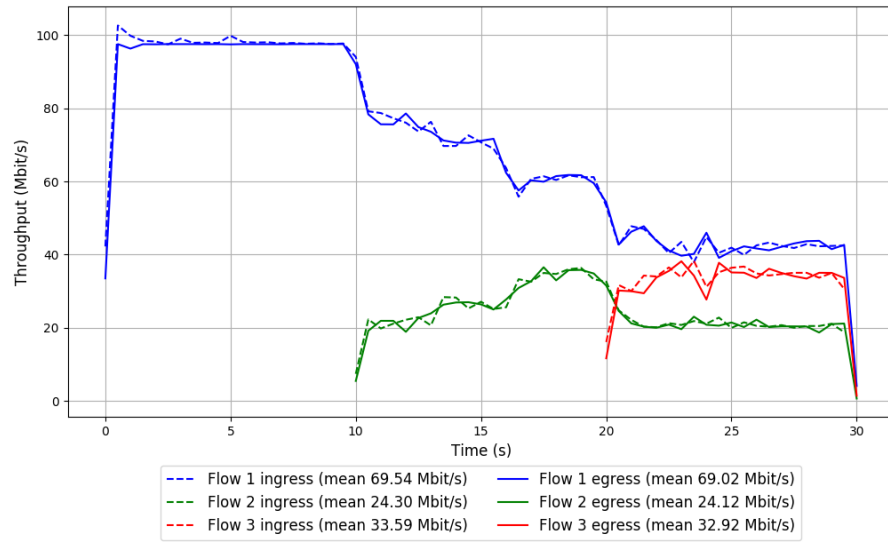


Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 23:52:42
End at: 2017-11-30 23:53:12
Local clock offset: -0.117 ms
Remote clock offset: -2.505 ms

Below is generated by plot.py at 2017-12-01 00:51:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 67.482 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 69.02 Mbit/s
95th percentile per-packet one-way delay: 67.445 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 66.956 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 32.92 Mbit/s
95th percentile per-packet one-way delay: 68.238 ms
Loss rate: 1.69%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 00:13:03

End at: 2017-12-01 00:13:33

Local clock offset: -0.128 ms

Remote clock offset: -4.76 ms

Below is generated by plot.py at 2017-12-01 00:51:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 63.724 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 63.30 Mbit/s

95th percentile per-packet one-way delay: 63.952 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 25.79 Mbit/s

95th percentile per-packet one-way delay: 62.593 ms

Loss rate: 0.42%

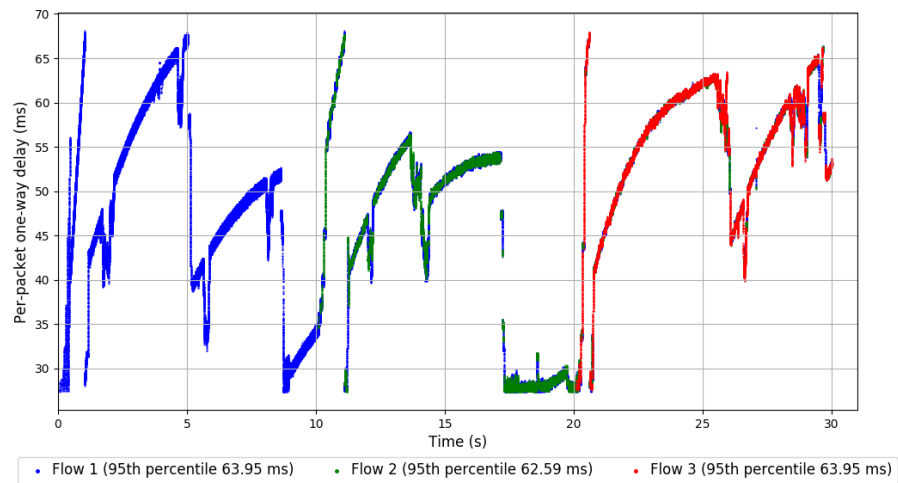
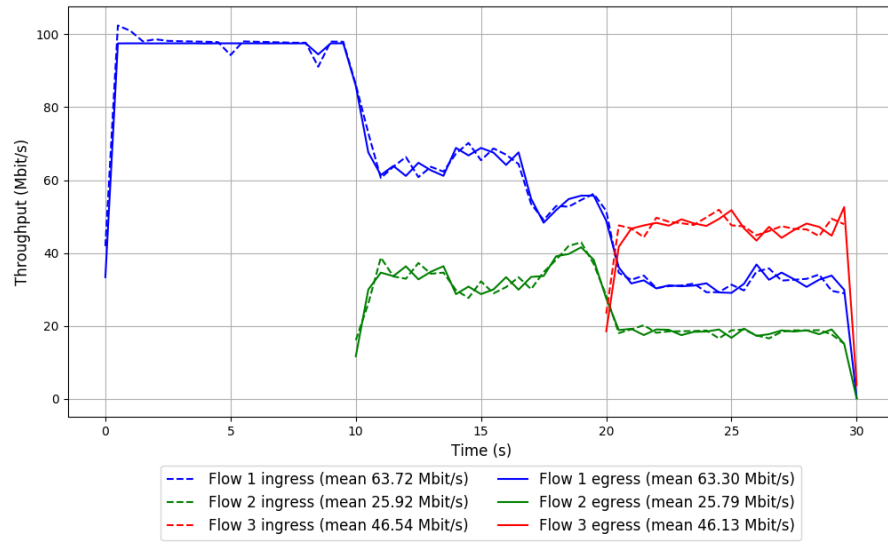
-- Flow 3:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 63.955 ms

Loss rate: 0.62%

Run 10: Report of TCP Cubic — Data Link

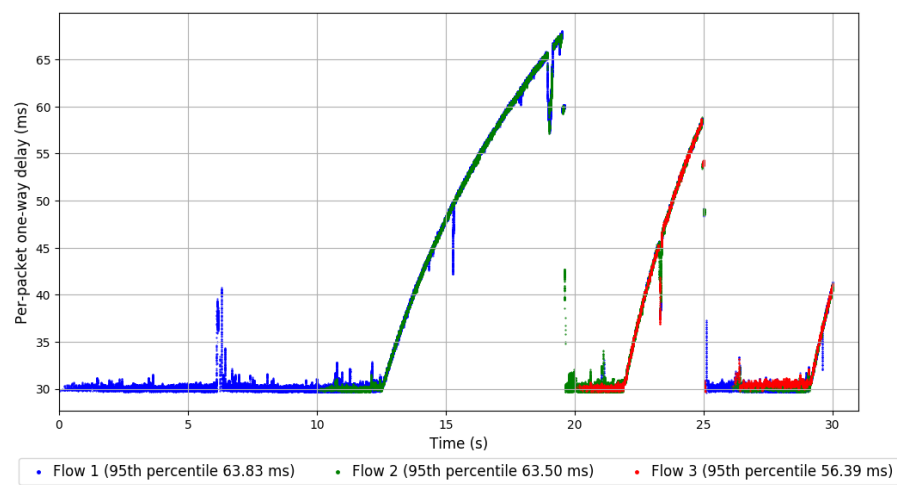
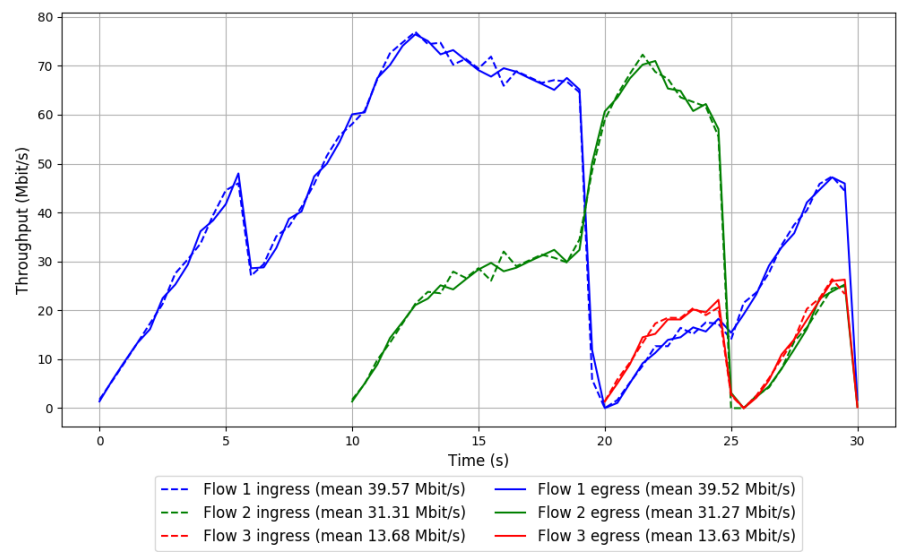


```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 21:12:46
End at: 2017-11-30 21:13:16
Local clock offset: -0.14 ms
Remote clock offset: -1.523 ms

# Below is generated by plot.py at 2017-12-01 00:51:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 63.519 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 63.502 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 56.388 ms
Loss rate: 0.25%
```


Run 1: Report of LEDBAT — Data Link

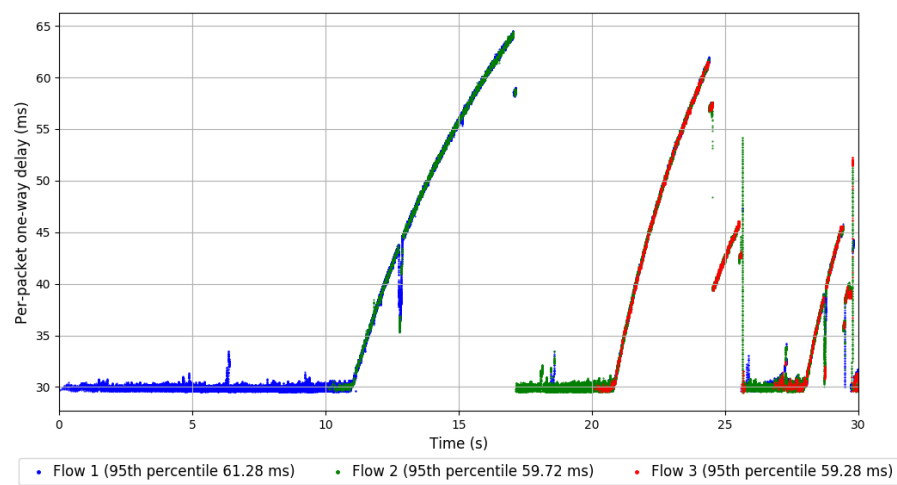
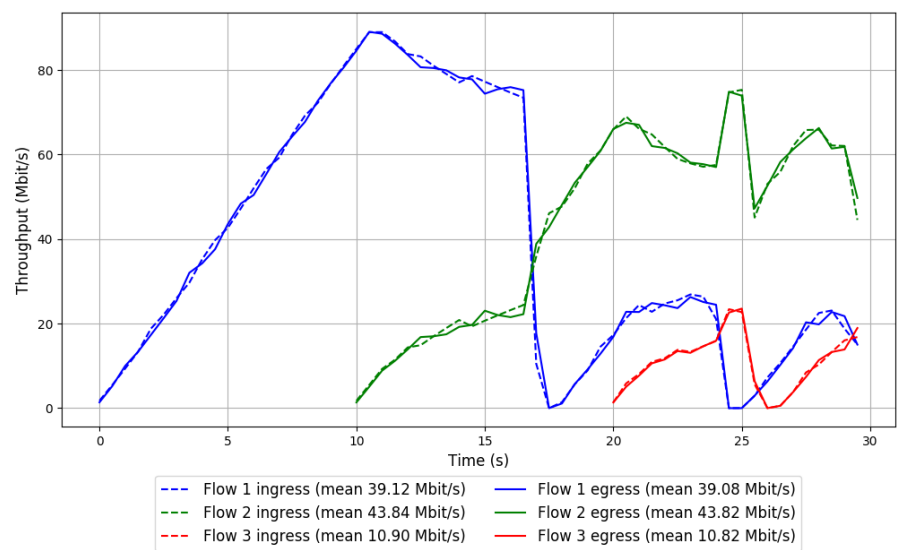


Run 2: Statistics of LEDBAT

Start at: 2017-11-30 21:32:37
End at: 2017-11-30 21:33:07
Local clock offset: -0.249 ms
Remote clock offset: -1.994 ms

Below is generated by plot.py at 2017-12-01 00:51:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 60.562 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 61.278 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 59.724 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 59.279 ms
Loss rate: 0.70%

Run 2: Report of LEDBAT — Data Link

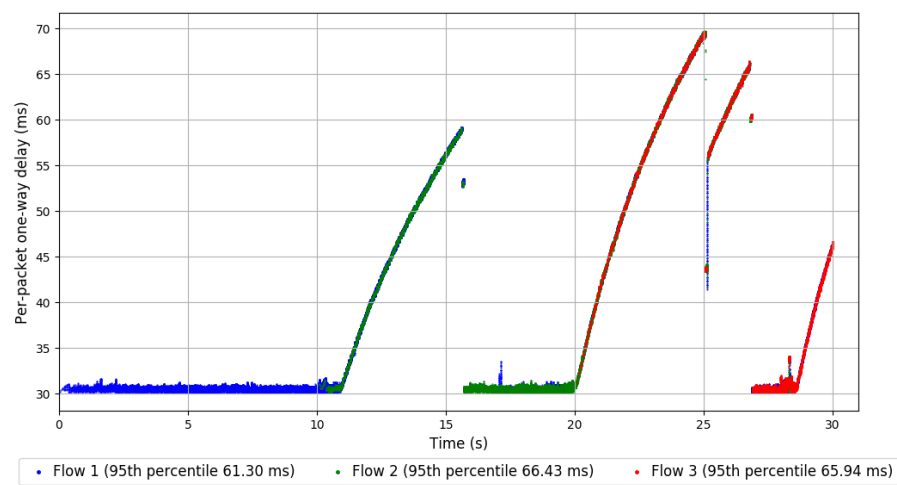
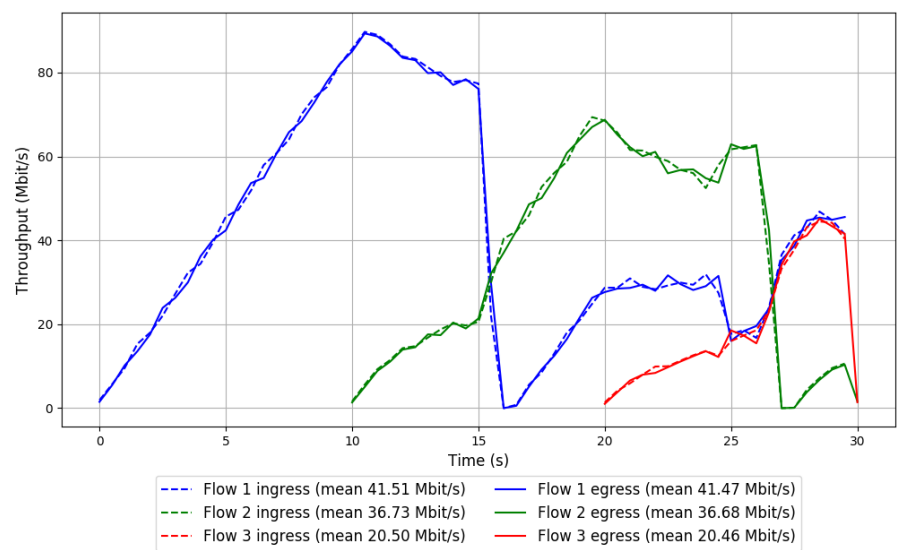


Run 3: Statistics of LEDBAT

Start at: 2017-11-30 21:51:47
End at: 2017-11-30 21:52:17
Local clock offset: -0.271 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2017-12-01 00:51:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 64.969 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 61.299 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 66.426 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 65.940 ms
Loss rate: 0.02%

Run 3: Report of LEDBAT — Data Link

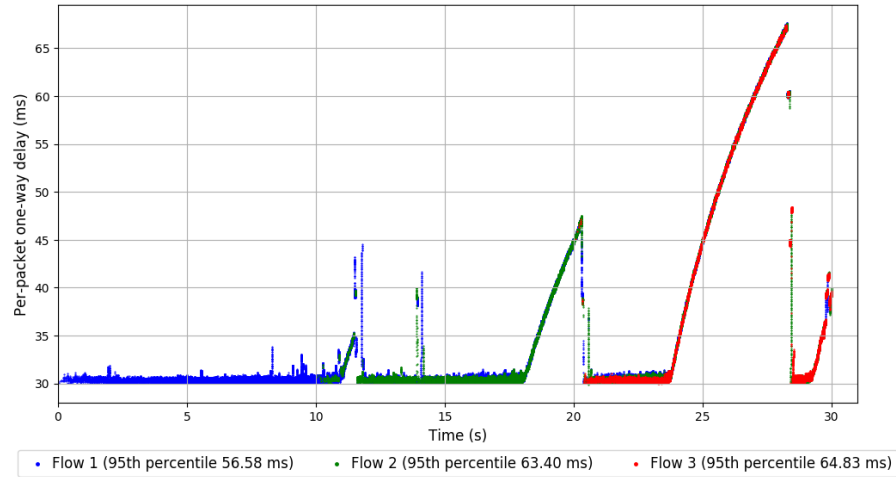
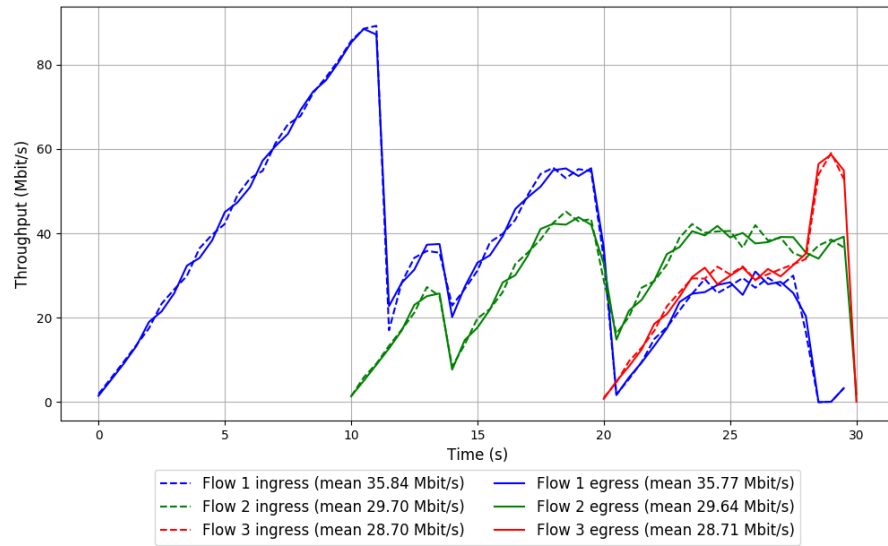


Run 4: Statistics of LEDBAT

Start at: 2017-11-30 22:10:55
End at: 2017-11-30 22:11:25
Local clock offset: -0.172 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2017-12-01 00:51:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.97 Mbit/s
95th percentile per-packet one-way delay: 61.892 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 56.578 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 63.397 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

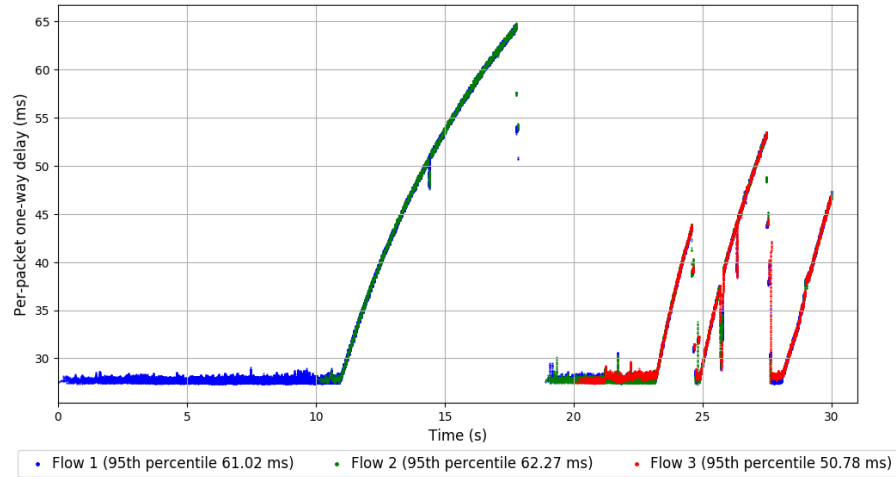
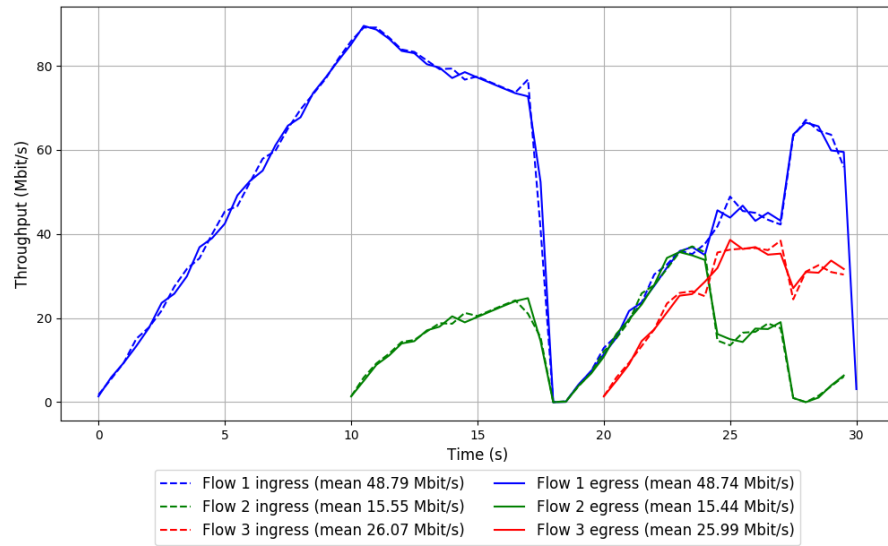


Run 5: Statistics of LEDBAT

Start at: 2017-11-30 22:30:36
End at: 2017-11-30 22:31:06
Local clock offset: -0.194 ms
Remote clock offset: -4.095 ms

Below is generated by plot.py at 2017-12-01 00:51:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.62 Mbit/s
95th percentile per-packet one-way delay: 60.825 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 61.020 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 62.270 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 25.99 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-11-30 22:50:09

End at: 2017-11-30 22:50:39

Local clock offset: -0.16 ms

Remote clock offset: -4.06 ms

Below is generated by plot.py at 2017-12-01 00:51:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.26 Mbit/s

95th percentile per-packet one-way delay: 60.615 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 59.591 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 63.507 ms

Loss rate: 0.29%

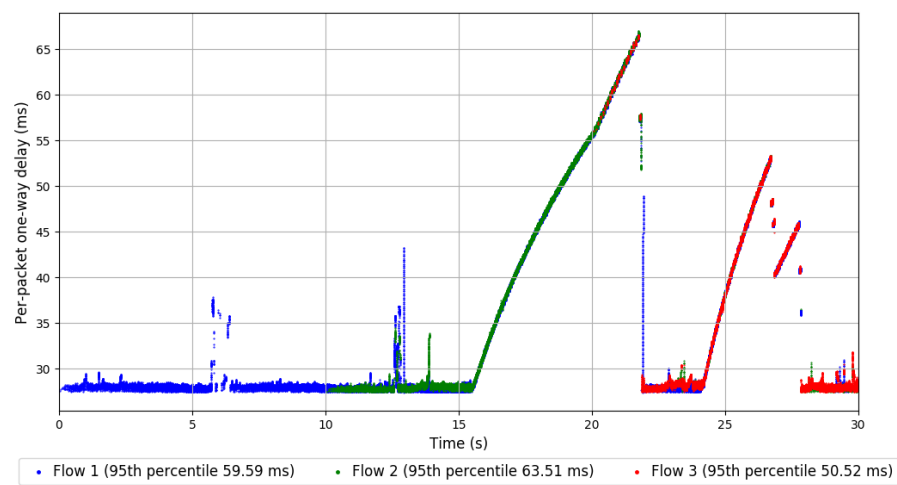
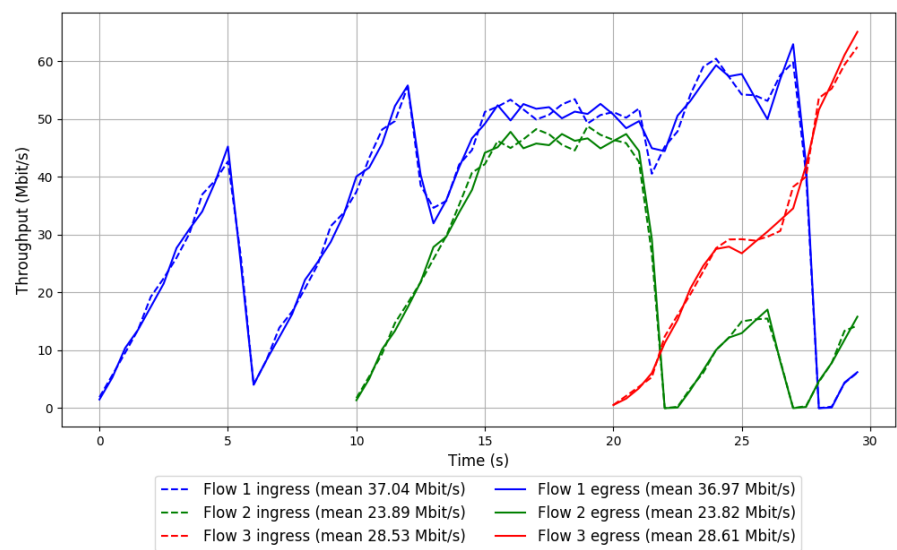
-- Flow 3:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 50.520 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

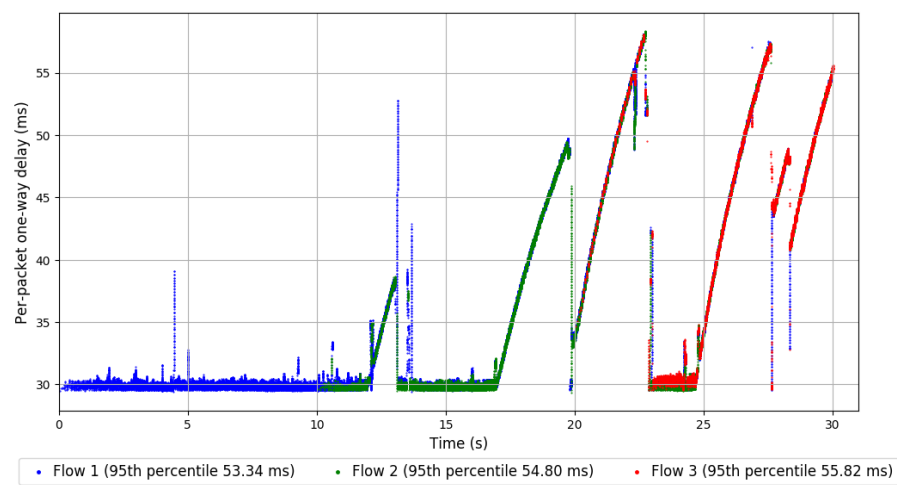
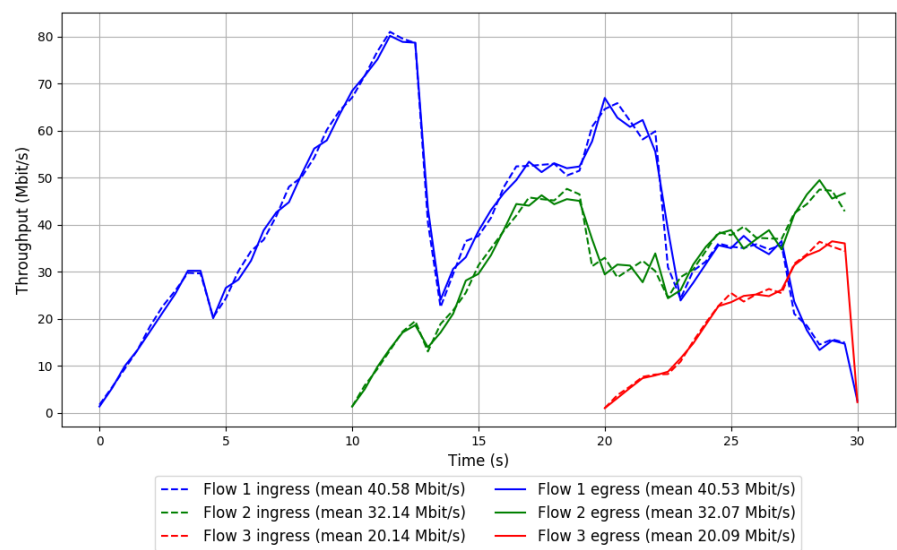


Run 7: Statistics of LEDBAT

Start at: 2017-11-30 23:09:52
End at: 2017-11-30 23:10:22
Local clock offset: -0.315 ms
Remote clock offset: -2.223 ms

Below is generated by plot.py at 2017-12-01 00:51:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 54.384 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 53.343 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 54.799 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 55.823 ms
Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

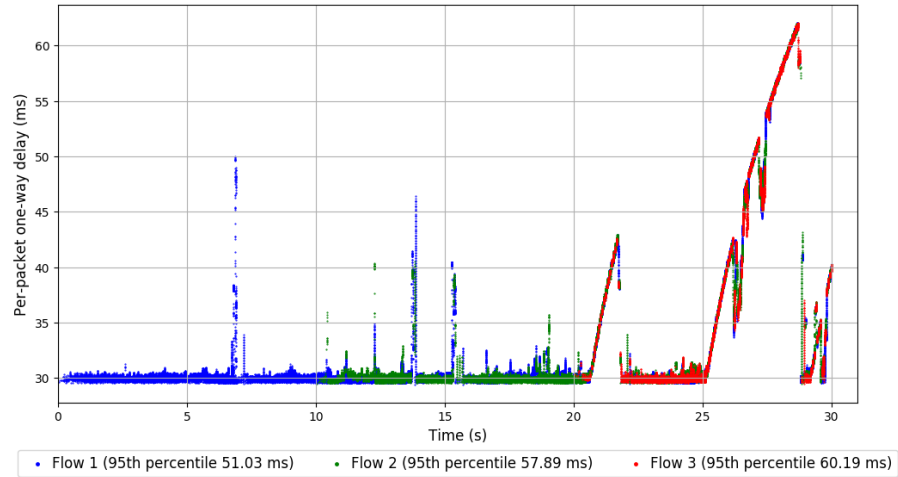
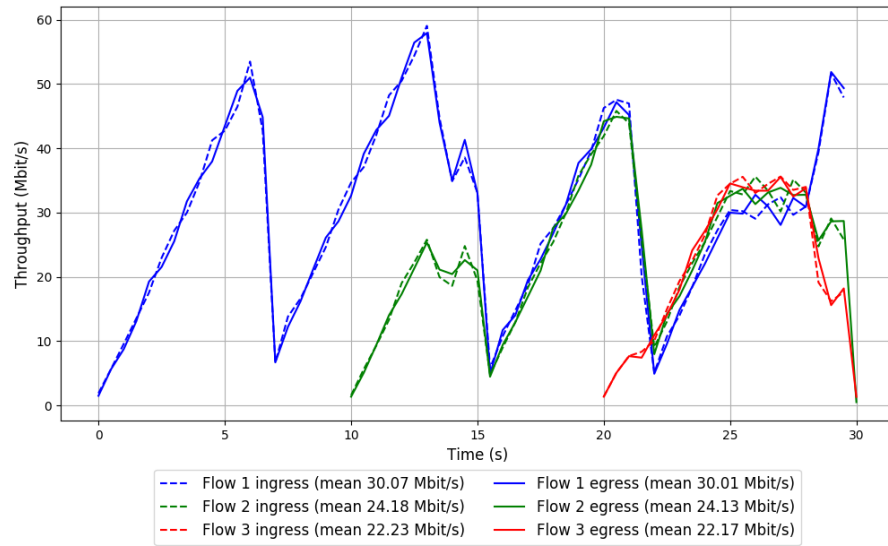


Run 8: Statistics of LEDBAT

Start at: 2017-11-30 23:29:34
End at: 2017-11-30 23:30:04
Local clock offset: -0.257 ms
Remote clock offset: -2.375 ms

Below is generated by plot.py at 2017-12-01 00:51:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 57.366 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 57.894 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 22.17 Mbit/s
95th percentile per-packet one-way delay: 60.189 ms
Loss rate: 0.17%

Run 8: Report of LEDBAT — Data Link

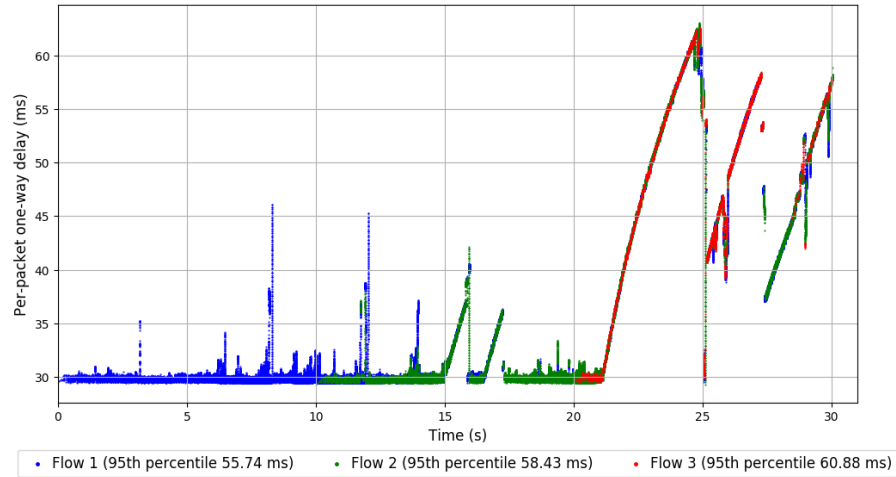
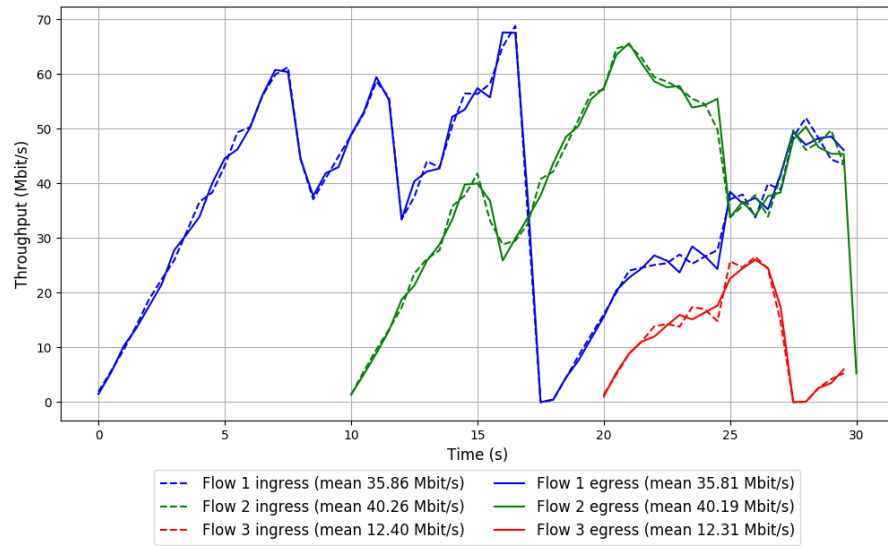


Run 9: Statistics of LEDBAT

Start at: 2017-11-30 23:49:50
End at: 2017-11-30 23:50:20
Local clock offset: -0.143 ms
Remote clock offset: -2.492 ms

Below is generated by plot.py at 2017-12-01 00:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 57.552 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 55.742 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 58.434 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 60.877 ms
Loss rate: 0.41%

Run 9: Report of LEDBAT — Data Link

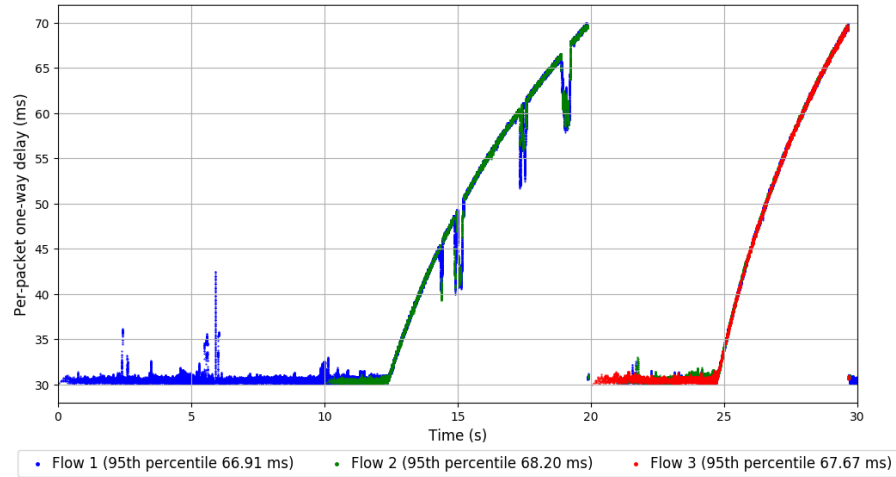
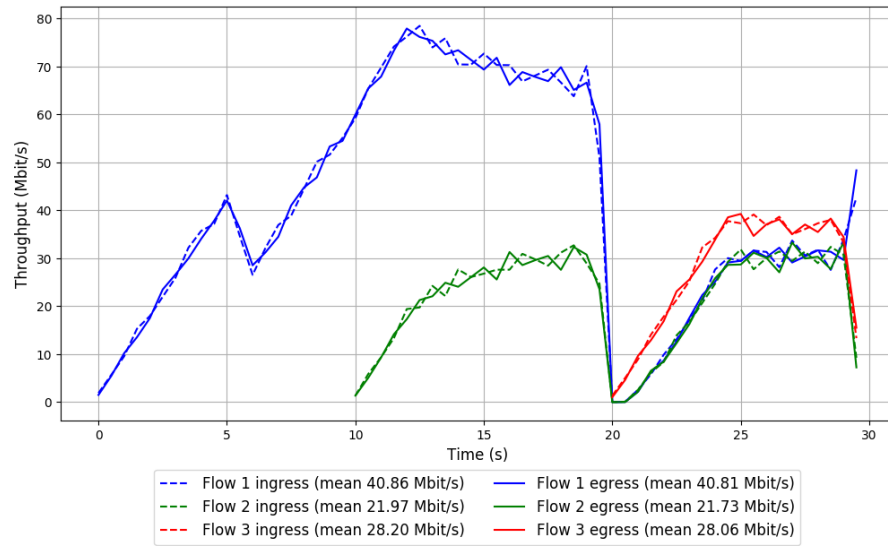


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 00:09:59
End at: 2017-12-01 00:10:30
Local clock offset: -0.274 ms
Remote clock offset: -2.128 ms

Below is generated by plot.py at 2017-12-01 00:52:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 67.705 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 68.204 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 67.671 ms
Loss rate: 0.51%

Run 10: Report of LEDBAT — Data Link

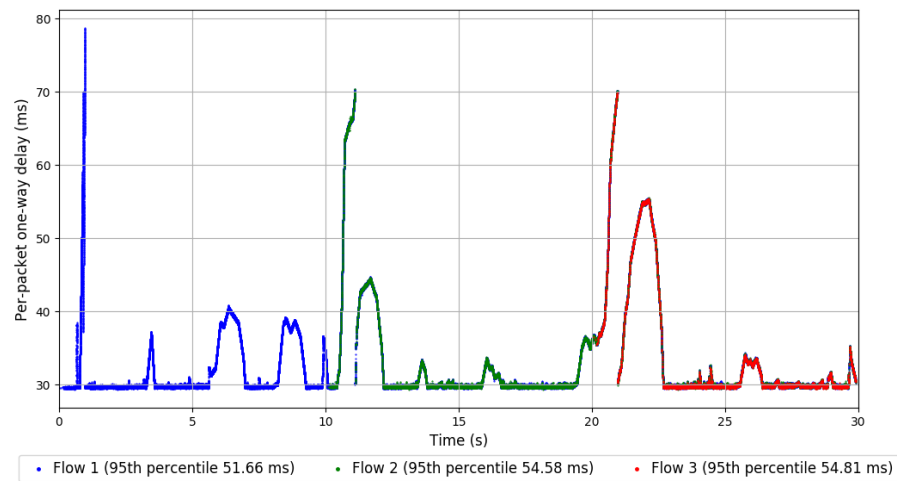
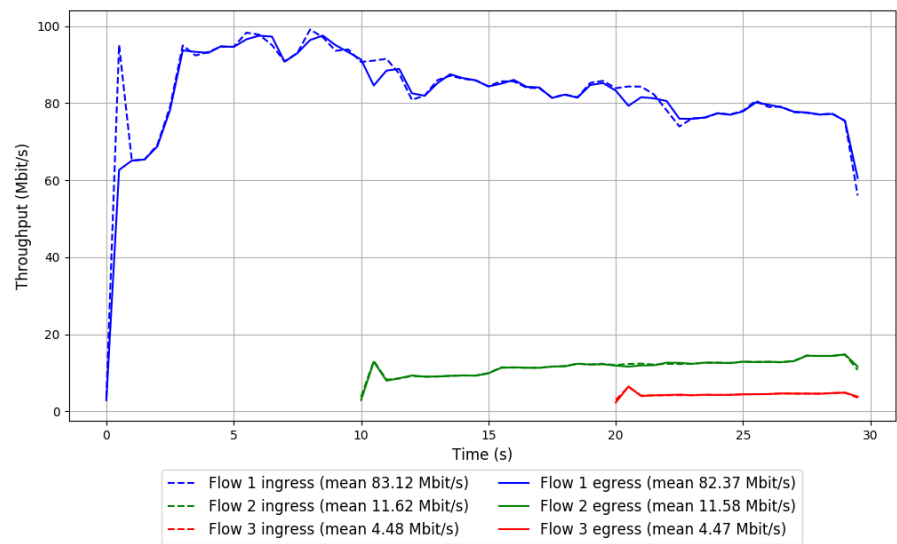


Run 1: Statistics of PCC

Start at: 2017-11-30 21:26:55
End at: 2017-11-30 21:27:25
Local clock offset: -0.134 ms
Remote clock offset: -1.909 ms

Below is generated by plot.py at 2017-12-01 00:52:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 52.234 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 51.664 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 54.579 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 54.814 ms
Loss rate: 0.34%

Run 1: Report of PCC — Data Link

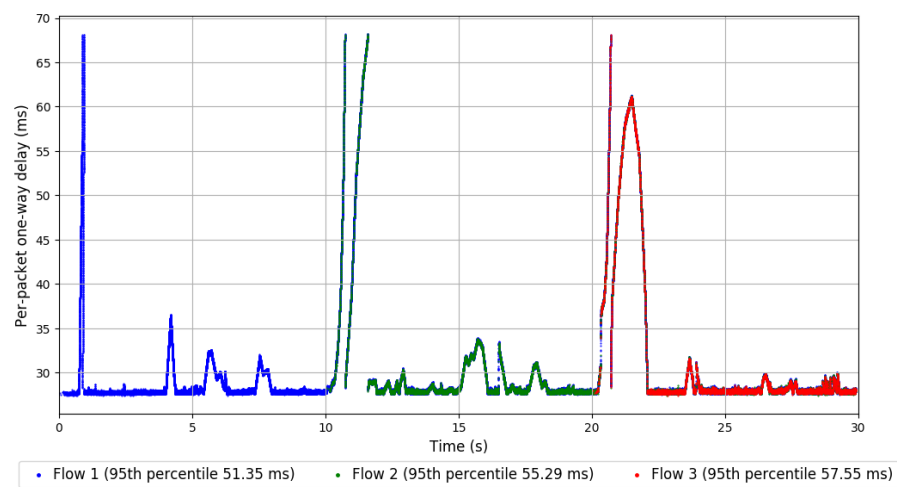
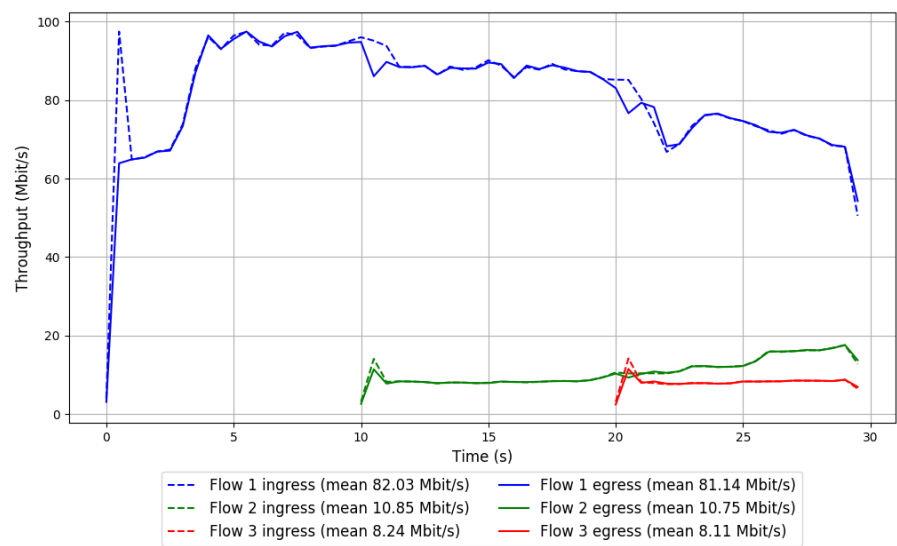


Run 2: Statistics of PCC

Start at: 2017-11-30 21:46:13
End at: 2017-11-30 21:46:43
Local clock offset: -0.253 ms
Remote clock offset: -4.017 ms

Below is generated by plot.py at 2017-12-01 00:52:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 52.362 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 51.354 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 55.289 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 57.549 ms
Loss rate: 1.58%

Run 2: Report of PCC — Data Link

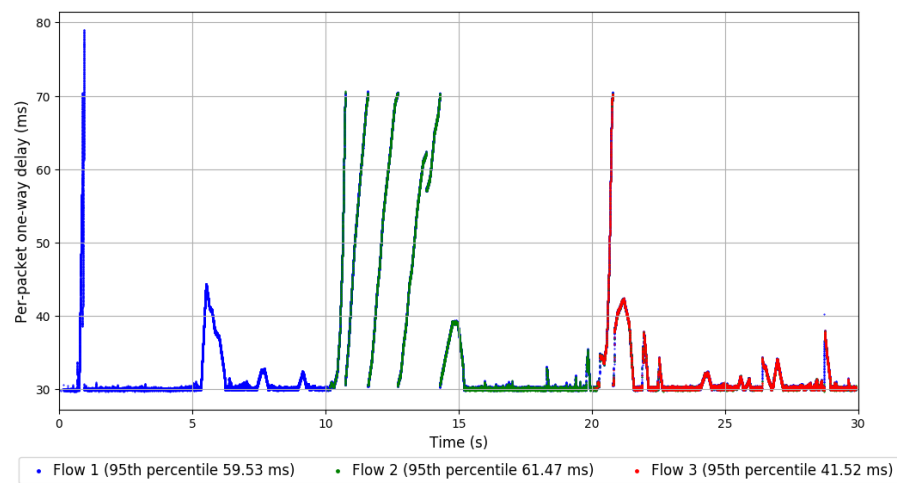
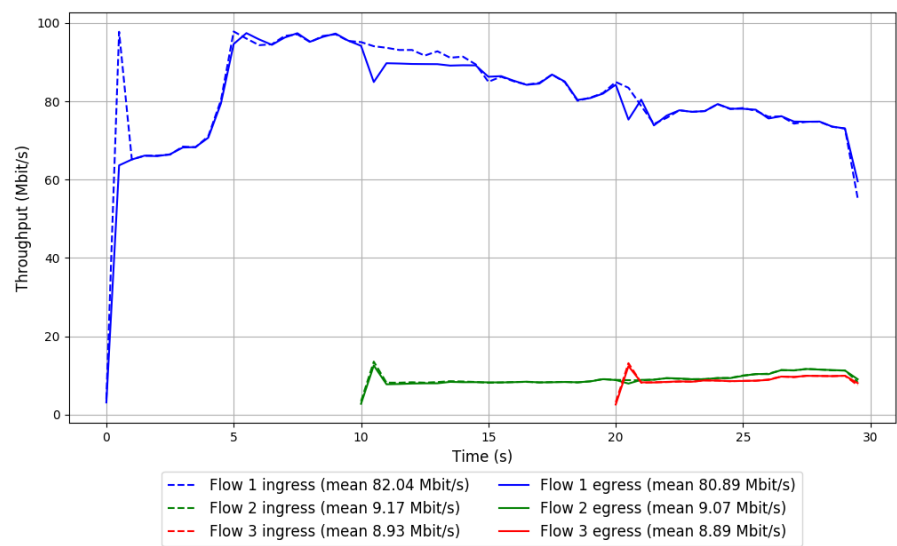


Run 3: Statistics of PCC

Start at: 2017-11-30 22:05:18
End at: 2017-11-30 22:05:48
Local clock offset: -0.188 ms
Remote clock offset: -1.665 ms

Below is generated by plot.py at 2017-12-01 00:53:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 59.468 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 59.526 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 61.471 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 41.525 ms
Loss rate: 0.39%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-11-30 22:24:44

End at: 2017-11-30 22:25:14

Local clock offset: -0.142 ms

Remote clock offset: -2.05 ms

Below is generated by plot.py at 2017-12-01 00:53:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 58.999 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 80.55 Mbit/s

95th percentile per-packet one-way delay: 58.609 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 60.058 ms

Loss rate: 1.02%

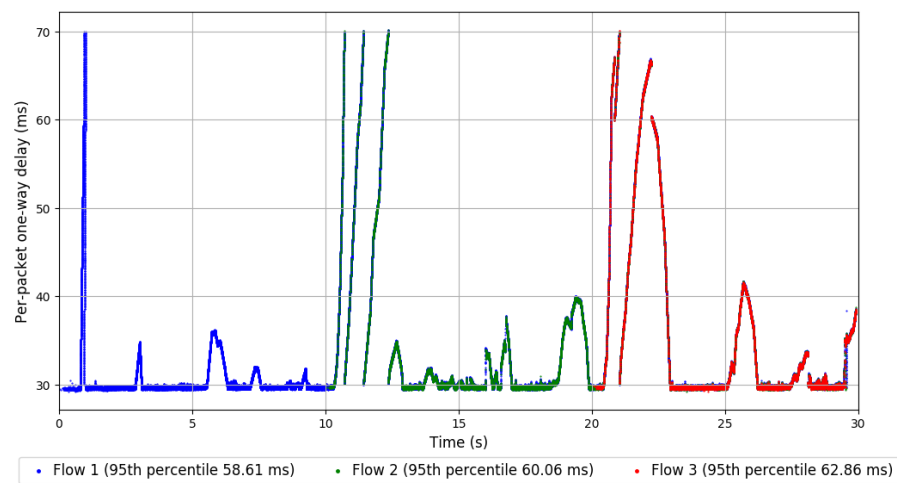
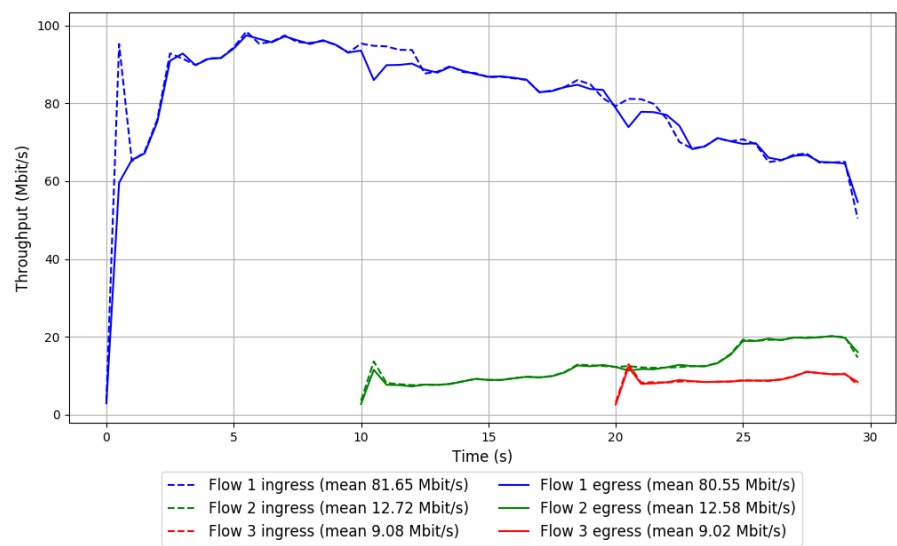
-- Flow 3:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 62.861 ms

Loss rate: 0.52%

Run 4: Report of PCC — Data Link

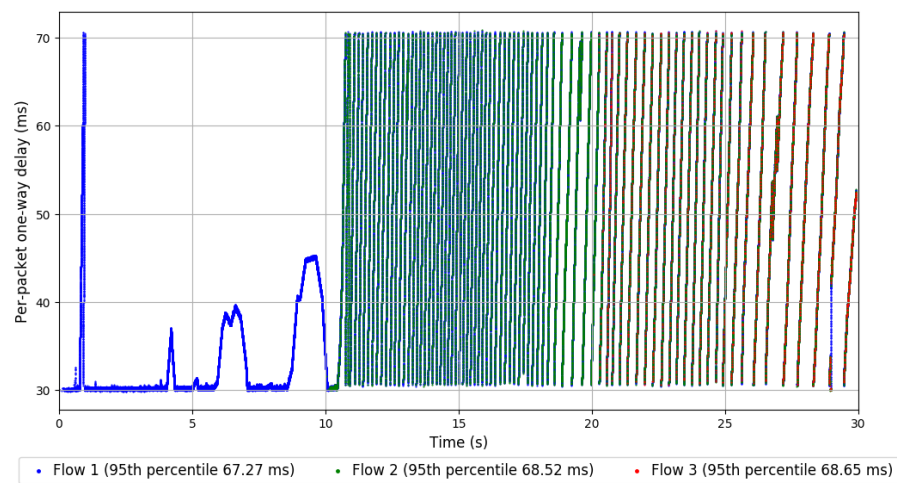
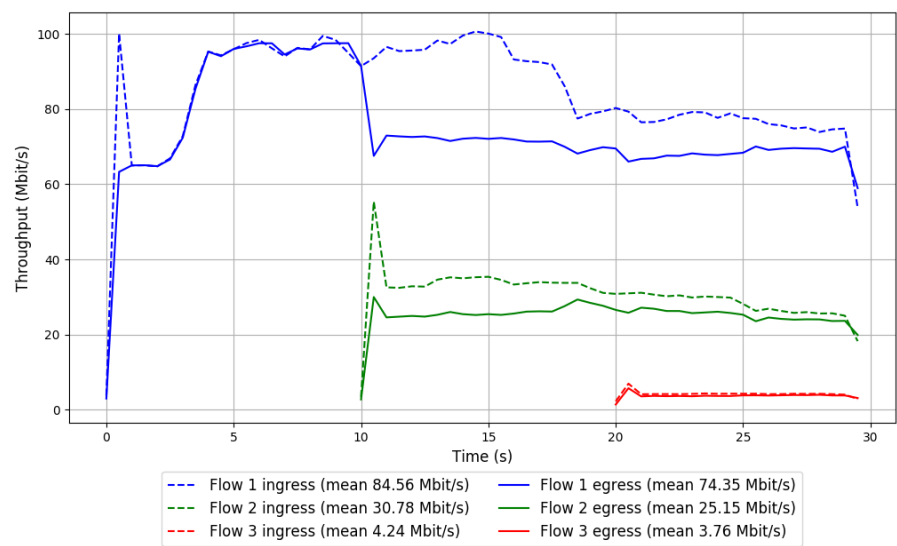


Run 5: Statistics of PCC

Start at: 2017-11-30 22:44:24
End at: 2017-11-30 22:44:54
Local clock offset: -0.184 ms
Remote clock offset: -1.475 ms

Below is generated by plot.py at 2017-12-01 00:53:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 67.628 ms
Loss rate: 13.19%
-- Flow 1:
Average throughput: 74.35 Mbit/s
95th percentile per-packet one-way delay: 67.269 ms
Loss rate: 12.01%
-- Flow 2:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 68.518 ms
Loss rate: 18.19%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 68.647 ms
Loss rate: 11.19%

Run 5: Report of PCC — Data Link

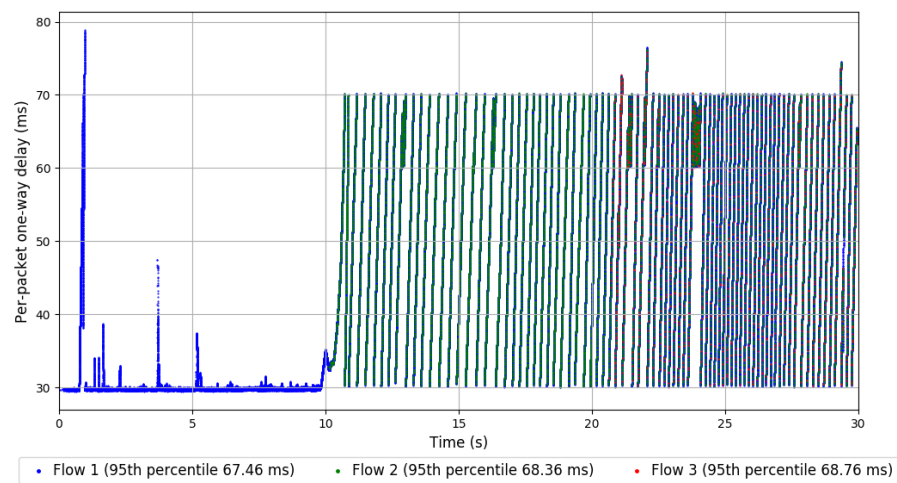
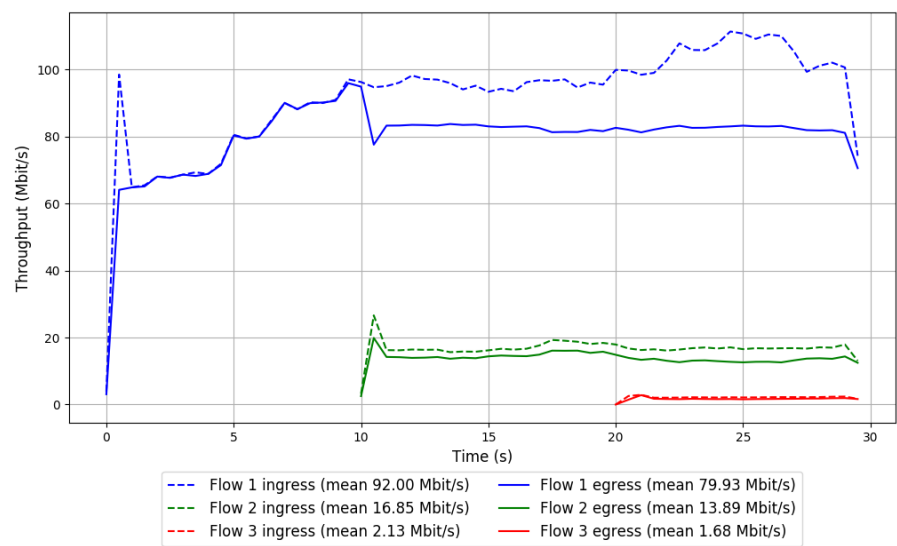


Run 6: Statistics of PCC

Start at: 2017-11-30 23:04:12
End at: 2017-11-30 23:04:42
Local clock offset: -0.229 ms
Remote clock offset: -2.084 ms

Below is generated by plot.py at 2017-12-01 00:53:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 67.604 ms
Loss rate: 13.55%
-- Flow 1:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 67.457 ms
Loss rate: 13.02%
-- Flow 2:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 68.358 ms
Loss rate: 17.46%
-- Flow 3:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 68.758 ms
Loss rate: 20.95%

Run 6: Report of PCC — Data Link

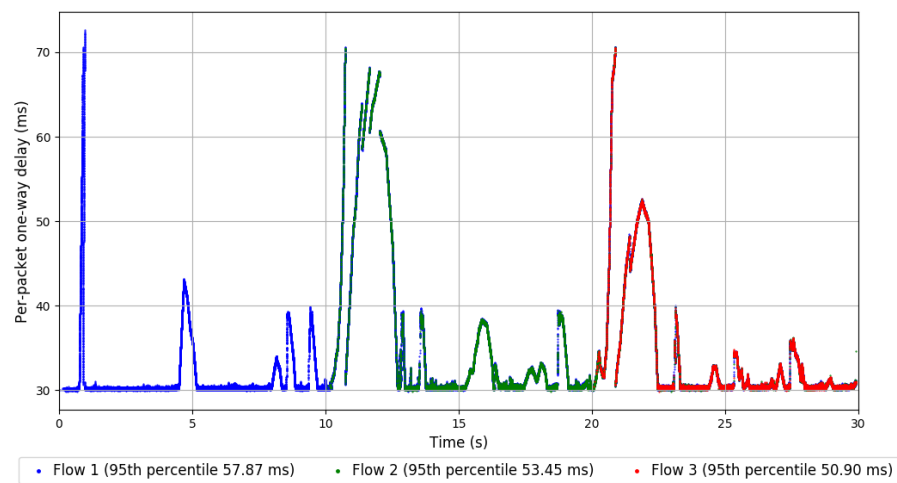
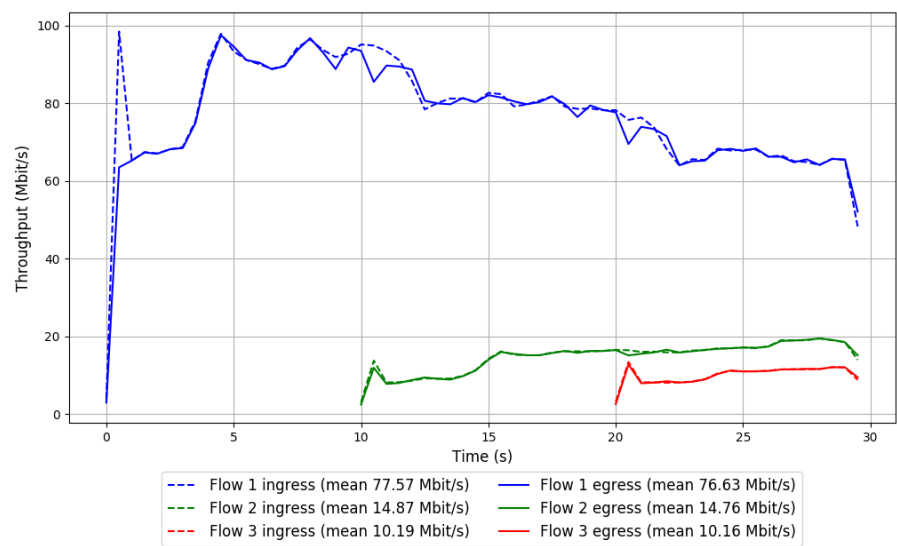


Run 7: Statistics of PCC

Start at: 2017-11-30 23:23:47
End at: 2017-11-30 23:24:17
Local clock offset: -0.226 ms
Remote clock offset: -1.831 ms

Below is generated by plot.py at 2017-12-01 00:53:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 56.803 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 76.63 Mbit/s
95th percentile per-packet one-way delay: 57.865 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 53.449 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 50.897 ms
Loss rate: 0.38%

Run 7: Report of PCC — Data Link

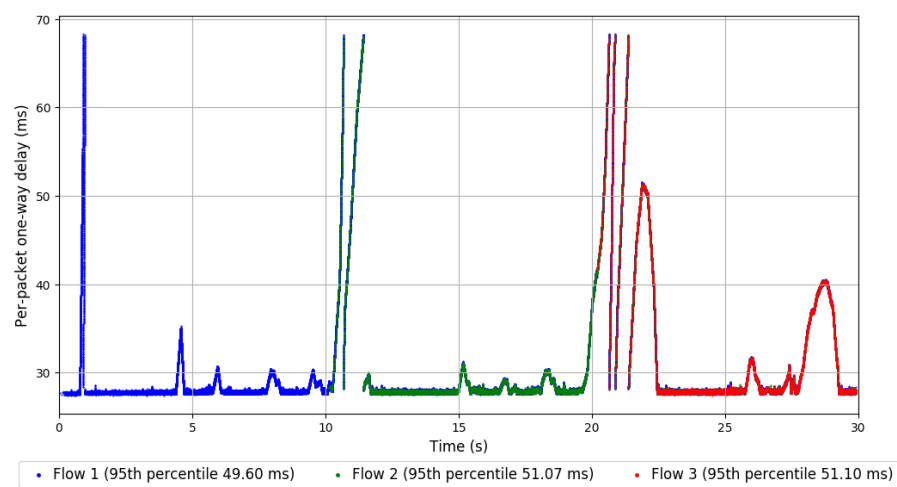
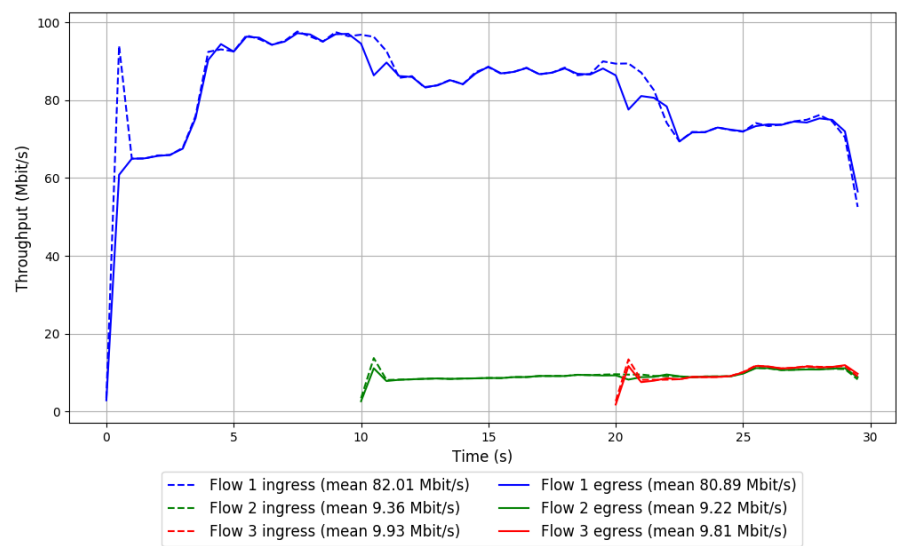


Run 8: Statistics of PCC

Start at: 2017-11-30 23:43:56
End at: 2017-11-30 23:44:26
Local clock offset: -0.245 ms
Remote clock offset: -4.467 ms

Below is generated by plot.py at 2017-12-01 00:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 50.049 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 49.602 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 51.101 ms
Loss rate: 1.33%

Run 8: Report of PCC — Data Link

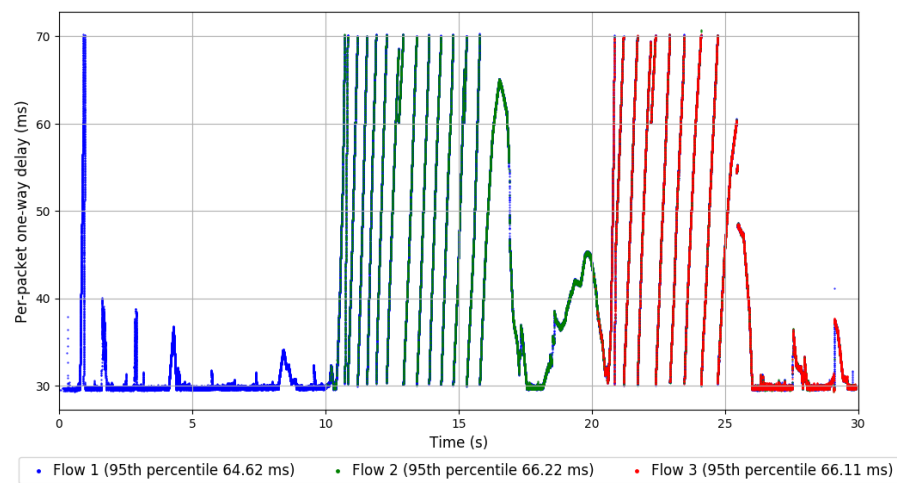
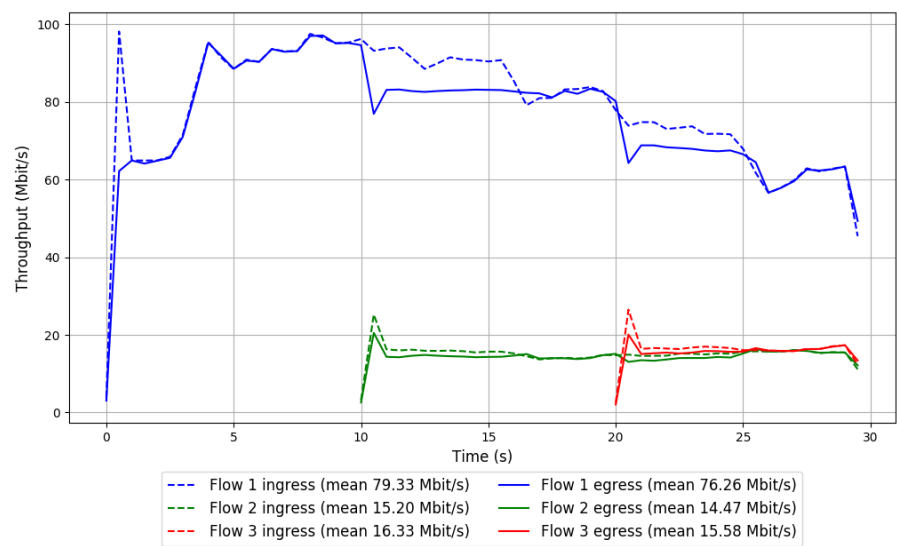


Run 9: Statistics of PCC

Start at: 2017-12-01 00:04:03
End at: 2017-12-01 00:04:33
Local clock offset: -0.144 ms
Remote clock offset: -2.485 ms

Below is generated by plot.py at 2017-12-01 00:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 64.881 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 76.26 Mbit/s
95th percentile per-packet one-way delay: 64.625 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 66.217 ms
Loss rate: 4.77%
-- Flow 3:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 66.107 ms
Loss rate: 4.72%

Run 9: Report of PCC — Data Link

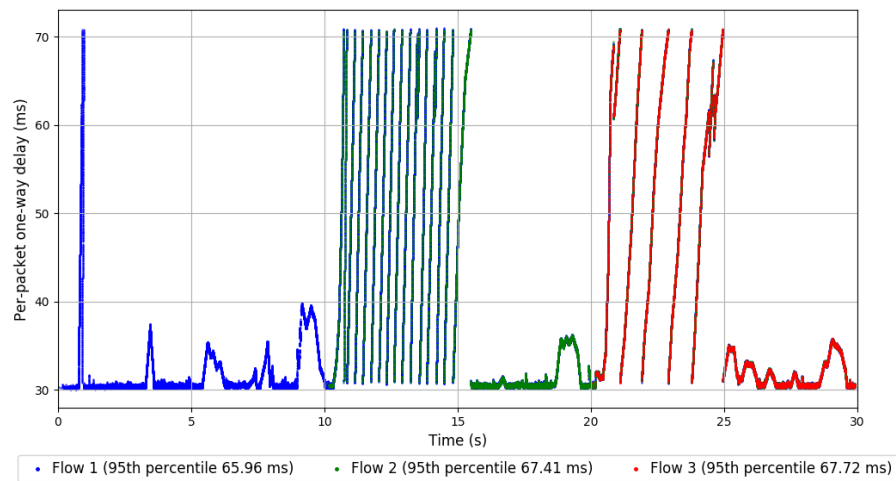
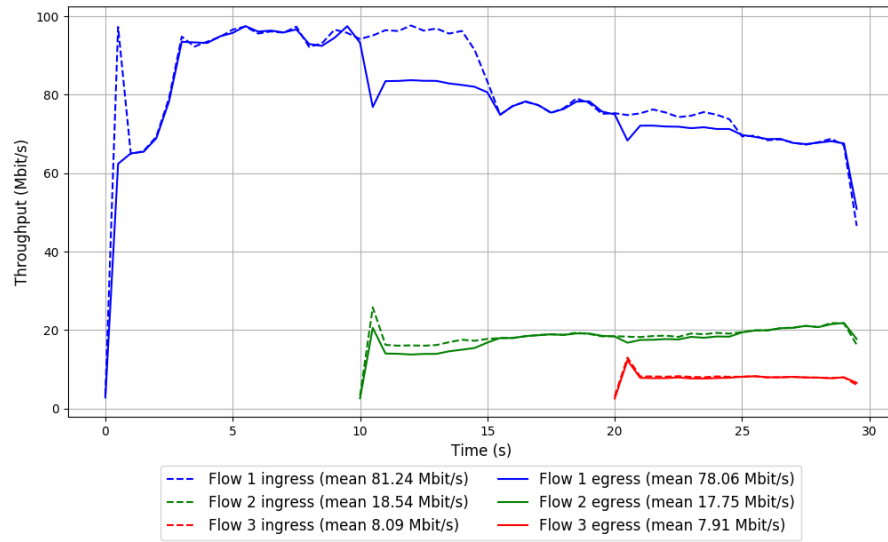


Run 10: Statistics of PCC

Start at: 2017-12-01 00:24:30
End at: 2017-12-01 00:25:00
Local clock offset: -0.31 ms
Remote clock offset: -2.171 ms

Below is generated by plot.py at 2017-12-01 00:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 66.285 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 78.06 Mbit/s
95th percentile per-packet one-way delay: 65.956 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 17.75 Mbit/s
95th percentile per-packet one-way delay: 67.406 ms
Loss rate: 4.28%
-- Flow 3:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 67.717 ms
Loss rate: 2.27%

Run 10: Report of PCC — Data Link

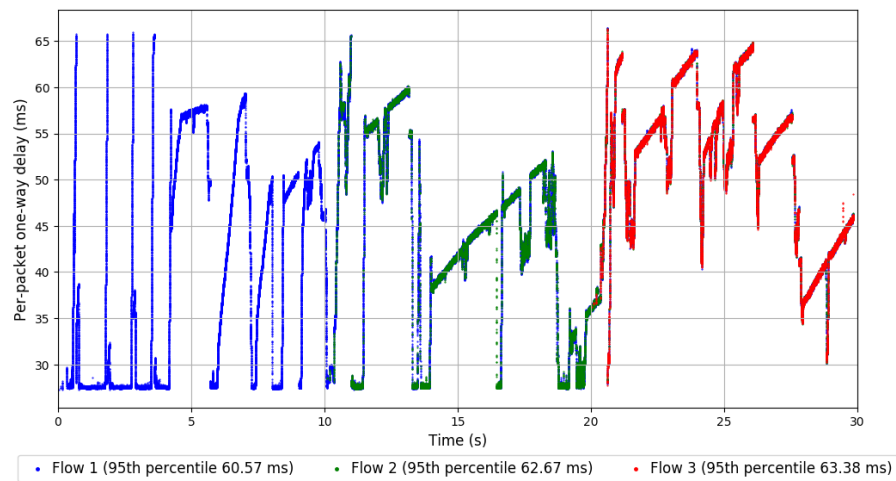
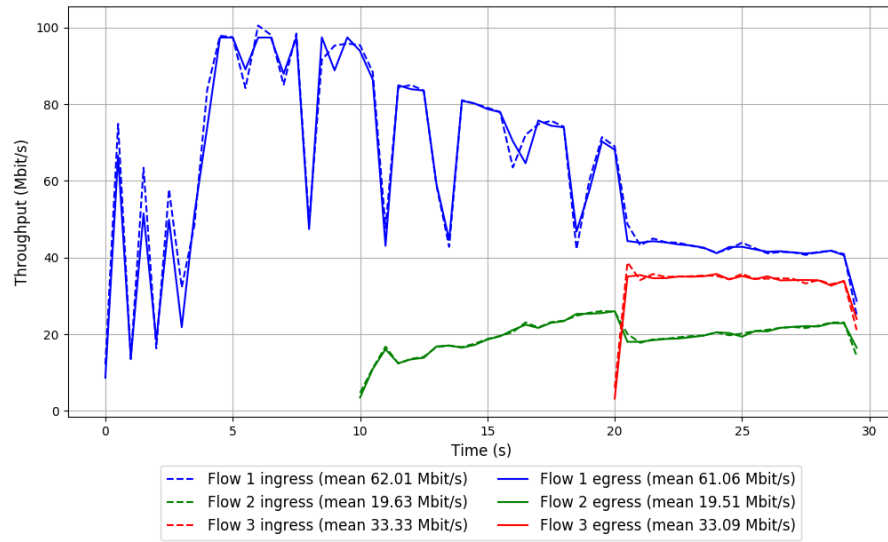


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 21:17:06
End at: 2017-11-30 21:17:36
Local clock offset: -0.067 ms
Remote clock offset: -3.718 ms

# Below is generated by plot.py at 2017-12-01 00:54:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 62.190 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 61.06 Mbit/s
95th percentile per-packet one-way delay: 60.569 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 19.51 Mbit/s
95th percentile per-packet one-way delay: 62.674 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 63.378 ms
Loss rate: 0.62%
```


Run 1: Report of QUIC Cubic — Data Link

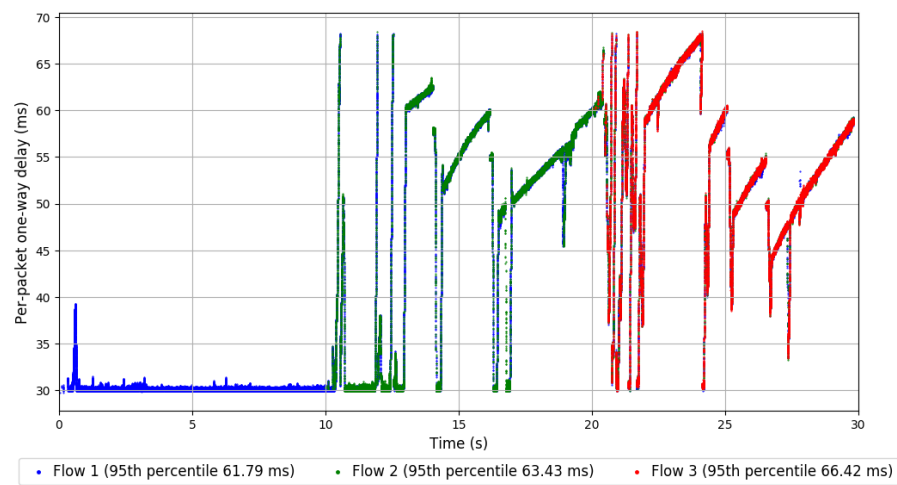
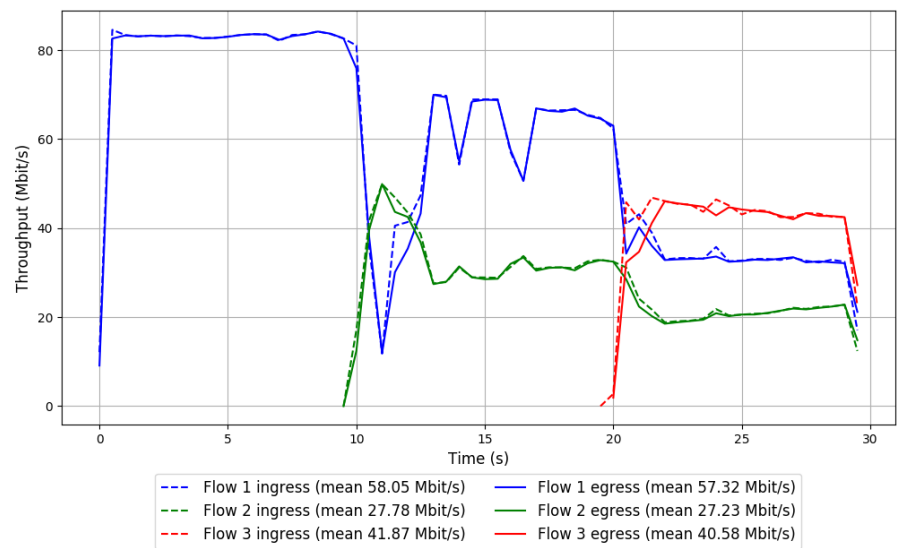


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 21:36:47
End at: 2017-11-30 21:37:17
Local clock offset: -0.154 ms
Remote clock offset: -1.573 ms

Below is generated by plot.py at 2017-12-01 00:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.79 Mbit/s
95th percentile per-packet one-way delay: 63.411 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 61.787 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 27.23 Mbit/s
95th percentile per-packet one-way delay: 63.432 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 66.419 ms
Loss rate: 3.09%

Run 2: Report of QUIC Cubic — Data Link

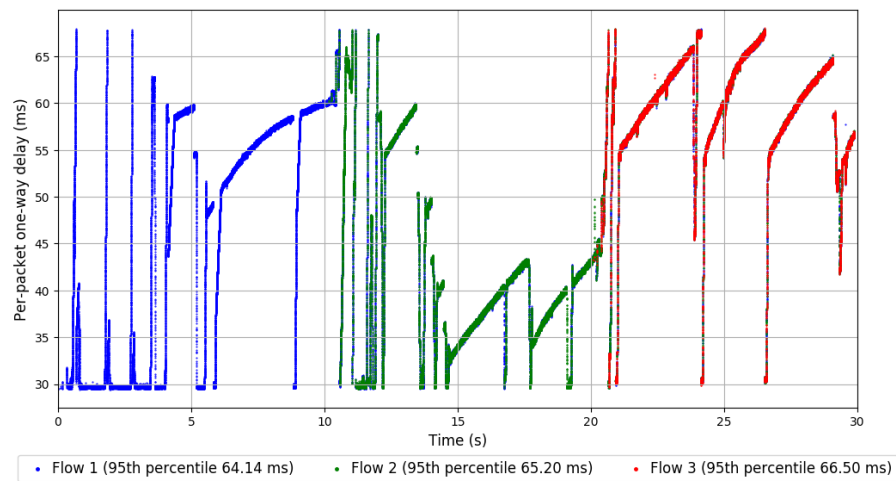
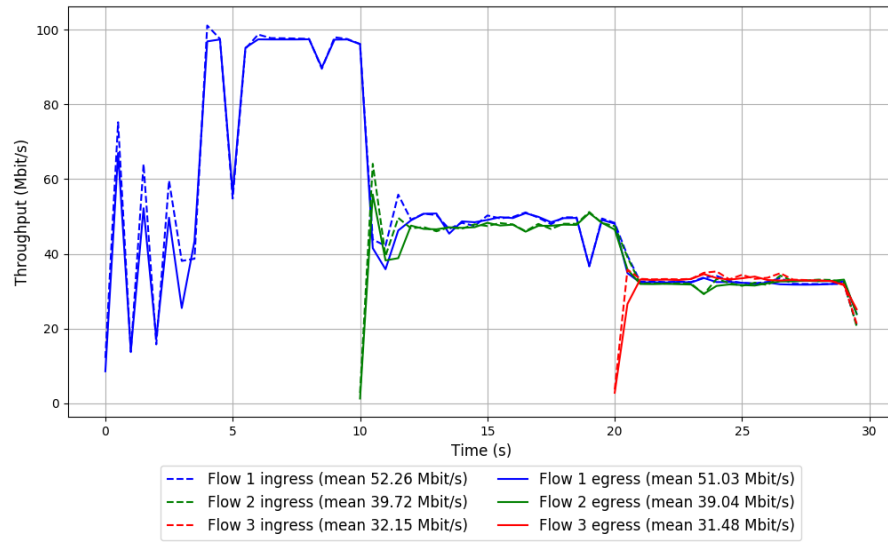


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 21:55:53
End at: 2017-11-30 21:56:23
Local clock offset: -0.284 ms
Remote clock offset: -2.065 ms

Below is generated by plot.py at 2017-12-01 00:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 65.113 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 64.138 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 65.196 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 66.502 ms
Loss rate: 1.95%

Run 3: Report of QUIC Cubic — Data Link

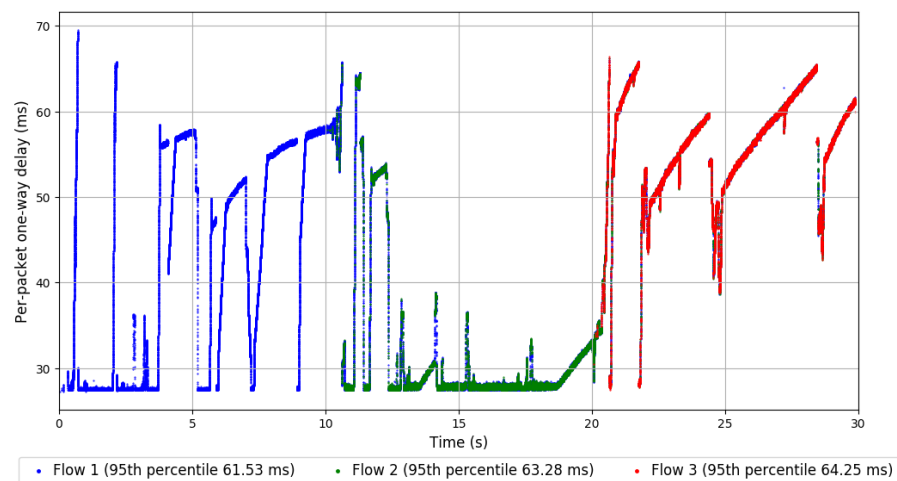
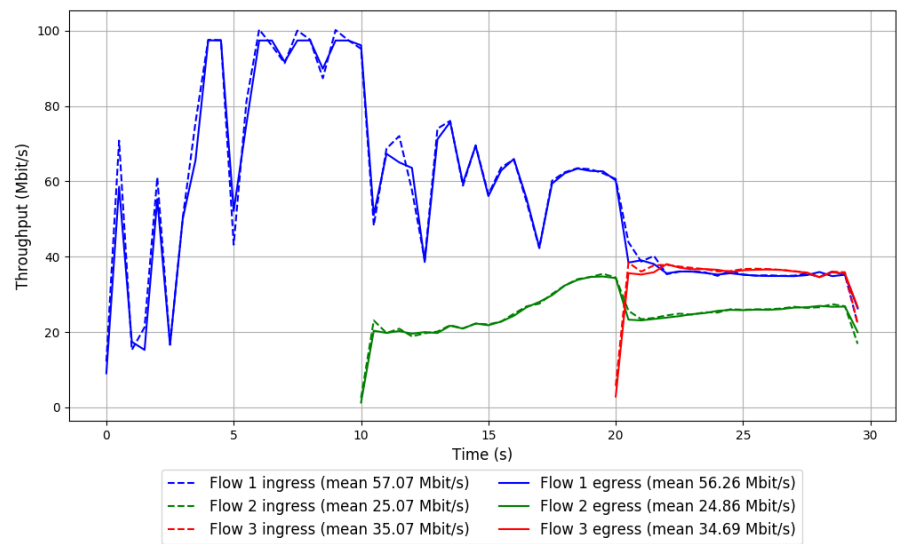


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 22:15:08
End at: 2017-11-30 22:15:38
Local clock offset: -0.154 ms
Remote clock offset: -4.067 ms

Below is generated by plot.py at 2017-12-01 00:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 63.281 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 64.248 ms
Loss rate: 0.81%

Run 4: Report of QUIC Cubic — Data Link

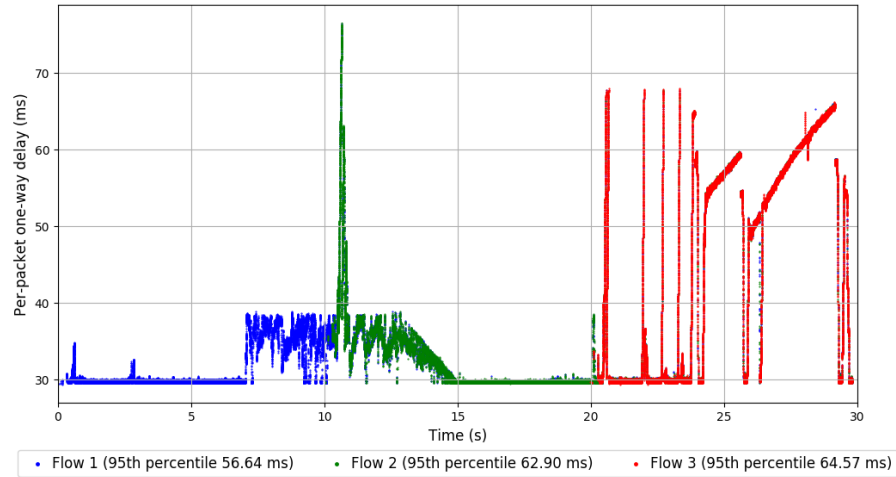
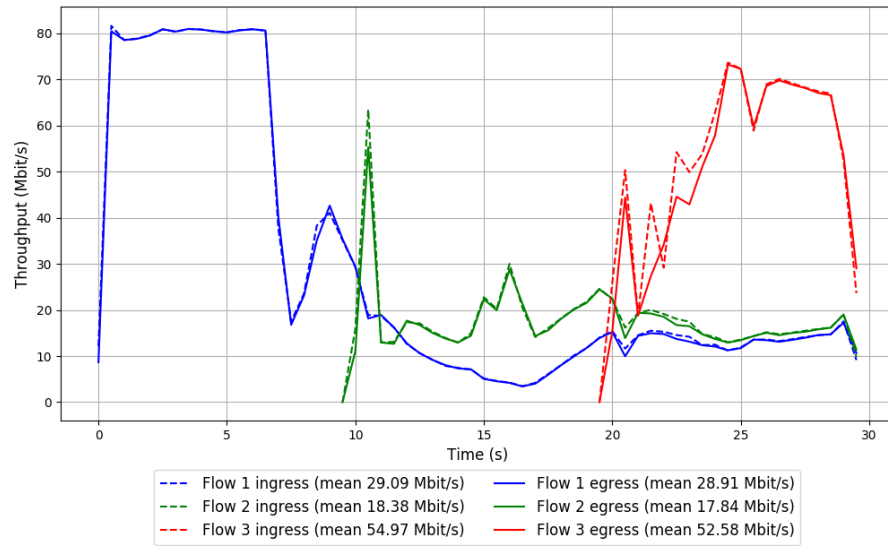


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 22:34:46
End at: 2017-11-30 22:35:16
Local clock offset: -0.291 ms
Remote clock offset: -2.034 ms

Below is generated by plot.py at 2017-12-01 00:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 63.008 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 56.639 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 62.904 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 64.569 ms
Loss rate: 4.34%

Run 5: Report of QUIC Cubic — Data Link

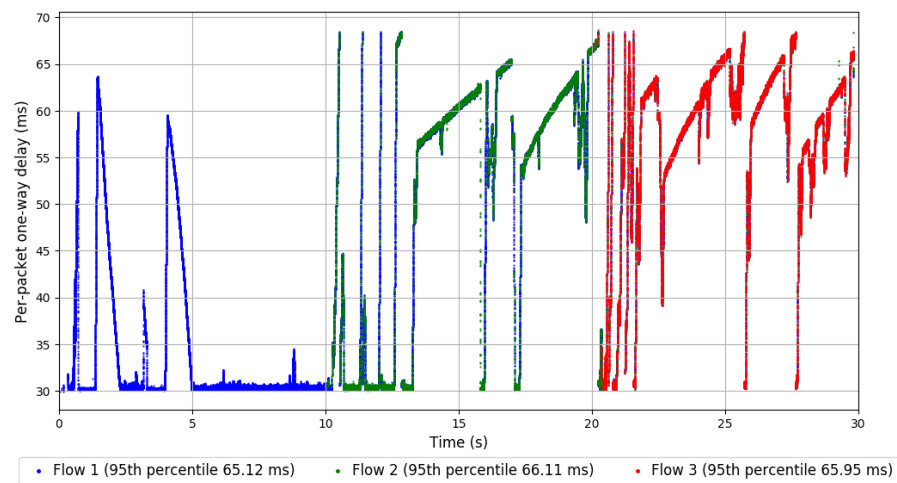
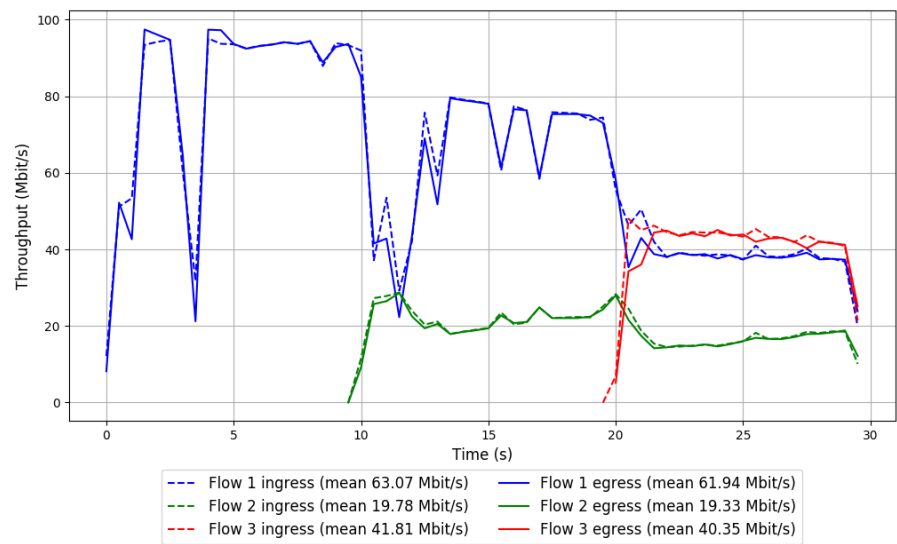


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 22:54:22
End at: 2017-11-30 22:54:52
Local clock offset: -0.256 ms
Remote clock offset: -1.517 ms

Below is generated by plot.py at 2017-12-01 00:54:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 65.587 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 61.94 Mbit/s
95th percentile per-packet one-way delay: 65.123 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 66.111 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 65.950 ms
Loss rate: 3.61%

Run 6: Report of QUIC Cubic — Data Link

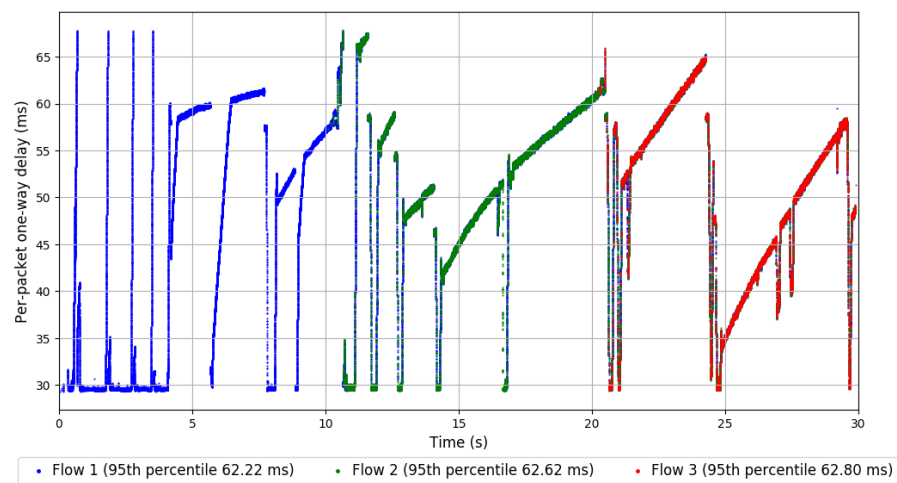
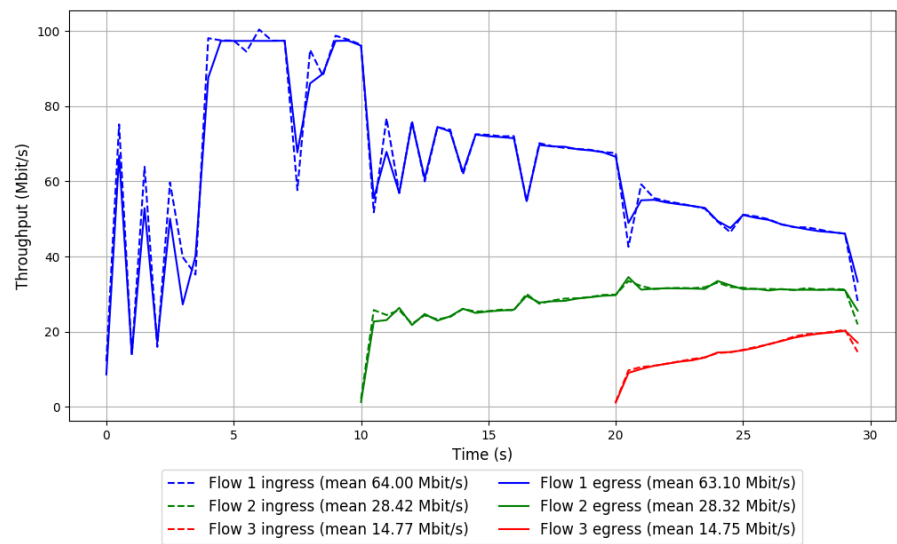


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 23:14:06
End at: 2017-11-30 23:14:36
Local clock offset: -0.266 ms
Remote clock offset: -2.274 ms

Below is generated by plot.py at 2017-12-01 00:55:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 62.385 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 62.218 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 28.32 Mbit/s
95th percentile per-packet one-way delay: 62.619 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 62.799 ms
Loss rate: 0.21%

Run 7: Report of QUIC Cubic — Data Link

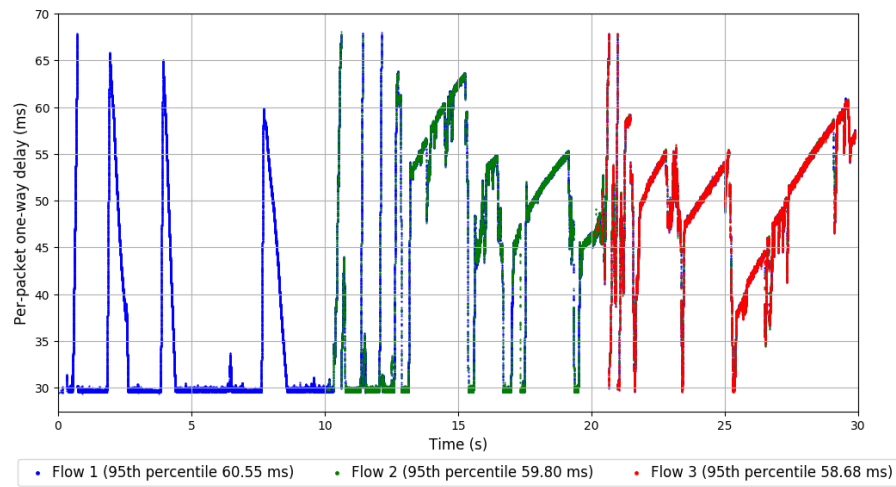
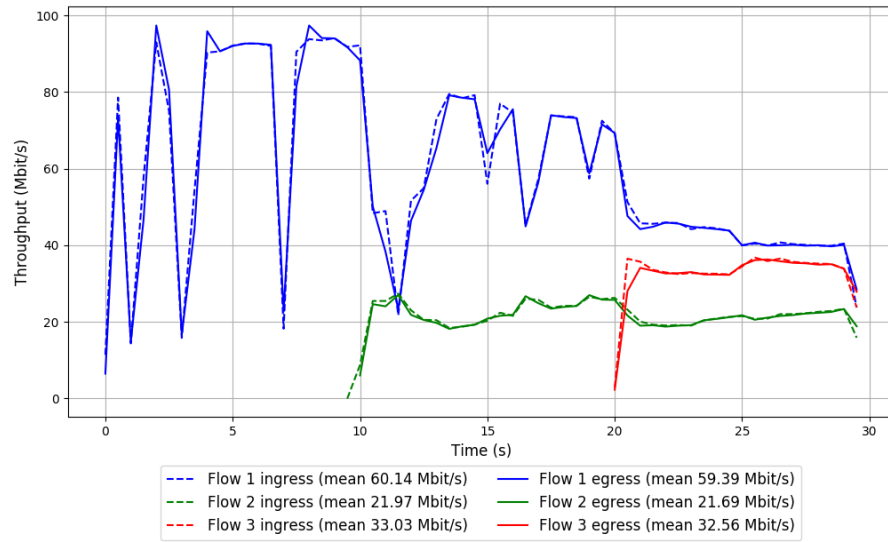


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 23:33:58
End at: 2017-11-30 23:34:28
Local clock offset: -0.264 ms
Remote clock offset: -2.482 ms

Below is generated by plot.py at 2017-12-01 00:55:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.52 Mbit/s
95th percentile per-packet one-way delay: 60.077 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 59.795 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 58.682 ms
Loss rate: 1.30%

Run 8: Report of QUIC Cubic — Data Link

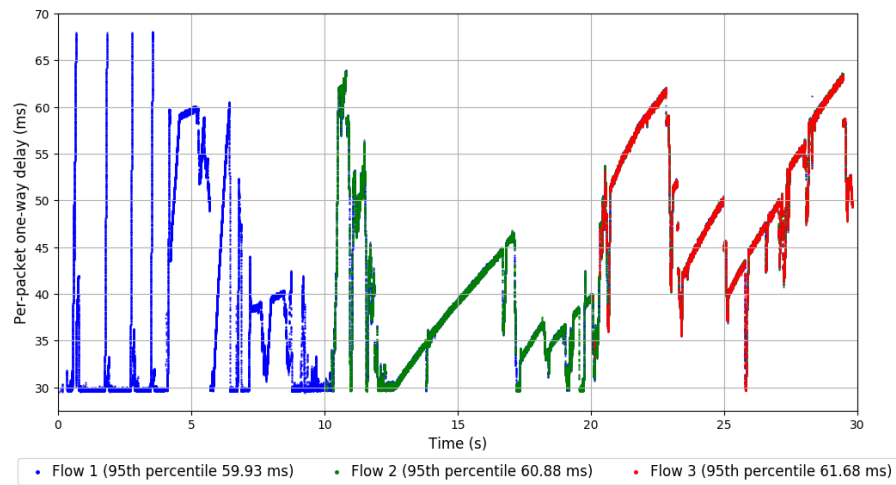
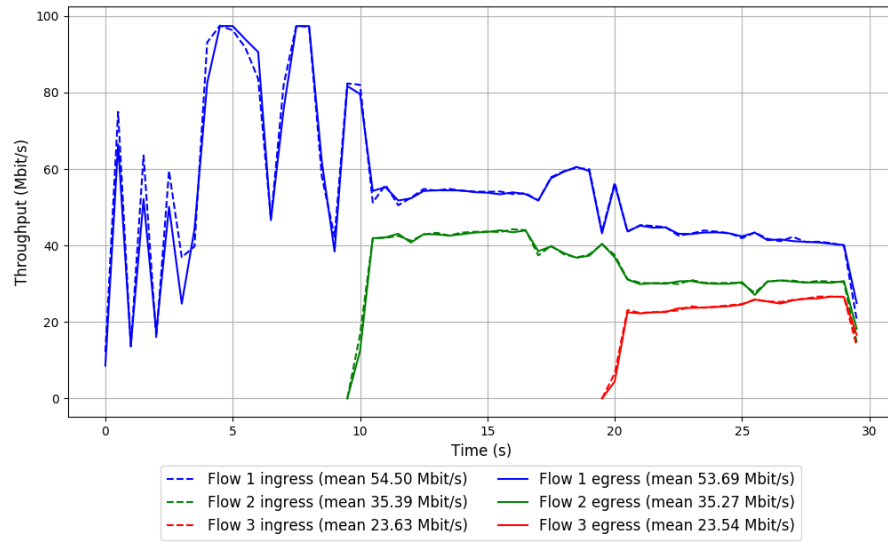


Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 23:54:13
End at: 2017-11-30 23:54:43
Local clock offset: -0.238 ms
Remote clock offset: -2.397 ms

Below is generated by plot.py at 2017-12-01 00:55:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 60.557 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 53.69 Mbit/s
95th percentile per-packet one-way delay: 59.929 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 60.882 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 61.676 ms
Loss rate: 0.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 00:14:33

End at: 2017-12-01 00:15:03

Local clock offset: -0.253 ms

Remote clock offset: -2.69 ms

Below is generated by plot.py at 2017-12-01 00:56:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 65.236 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 64.954 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 65.654 ms

Loss rate: 0.92%

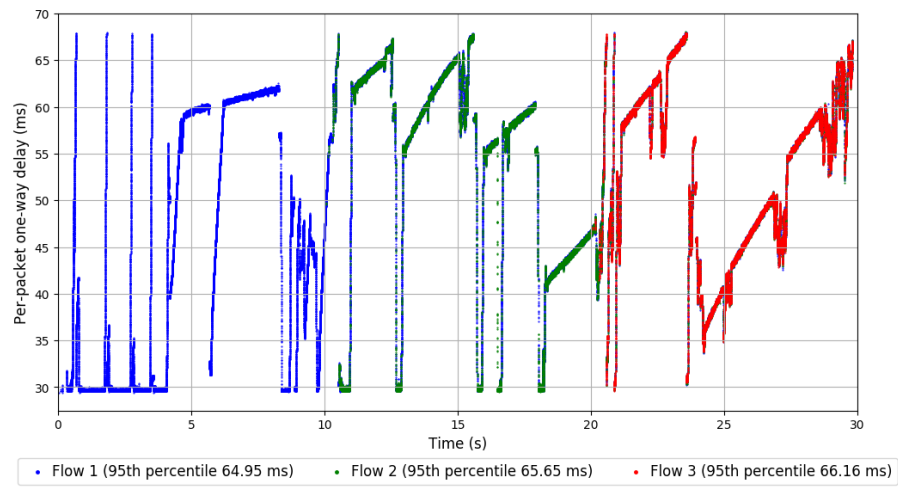
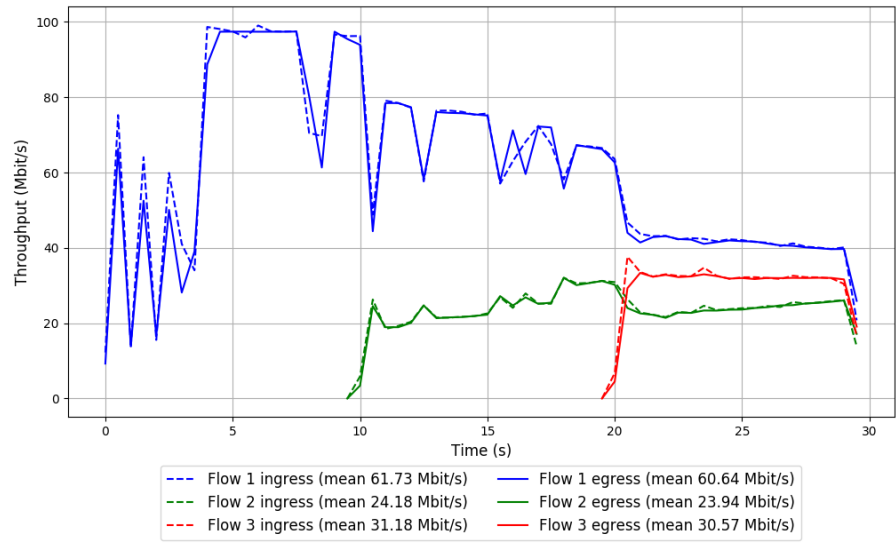
-- Flow 3:

Average throughput: 30.57 Mbit/s

95th percentile per-packet one-way delay: 66.156 ms

Loss rate: 1.76%

Run 10: Report of QUIC Cubic — Data Link

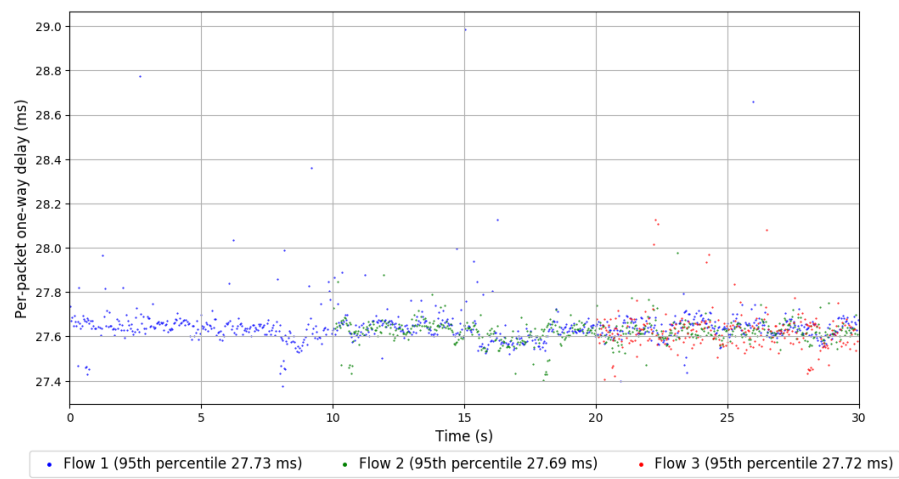
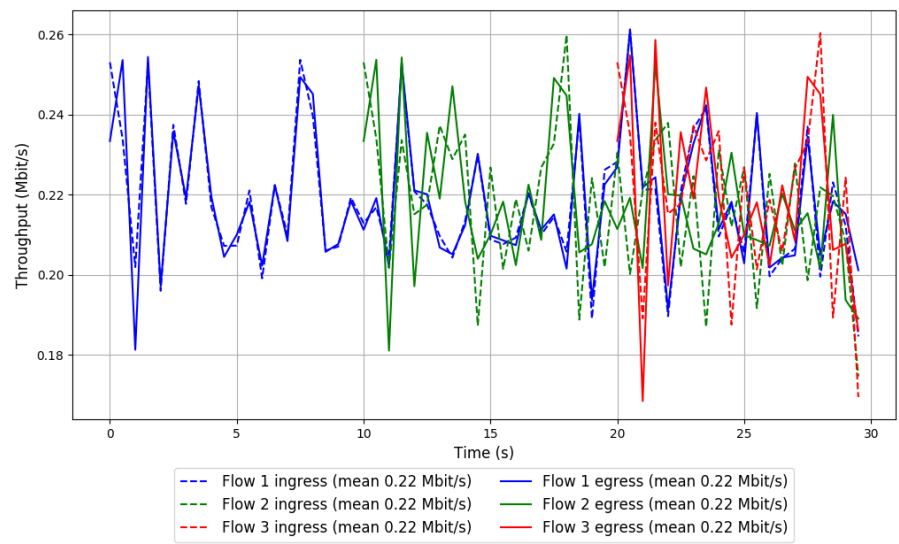


```
Run 1: Statistics of SReAM

Start at: 2017-11-30 21:18:32
End at: 2017-11-30 21:19:02
Local clock offset: -0.094 ms
Remote clock offset: -3.71 ms

# Below is generated by plot.py at 2017-12-01 00:56:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 27.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.690 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.723 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

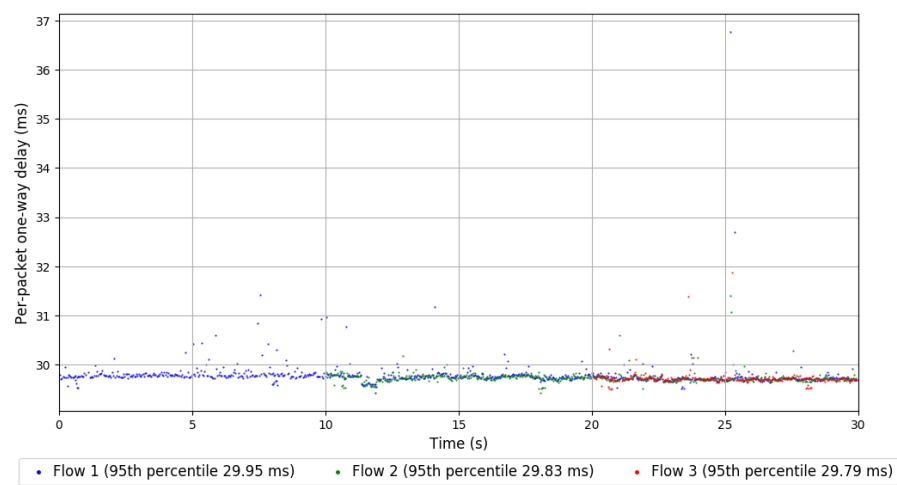
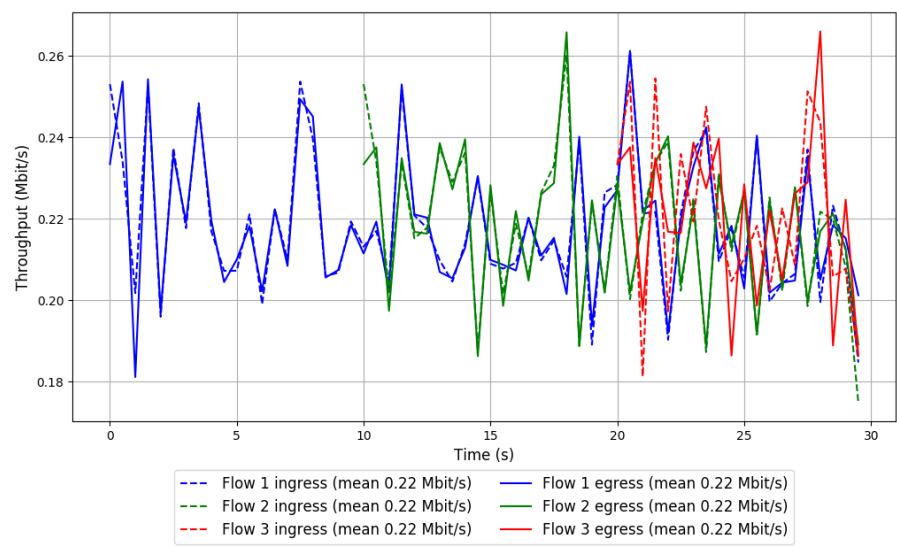


Run 2: Statistics of SReAM

Start at: 2017-11-30 21:38:10
End at: 2017-11-30 21:38:40
Local clock offset: -0.174 ms
Remote clock offset: -1.913 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.790 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

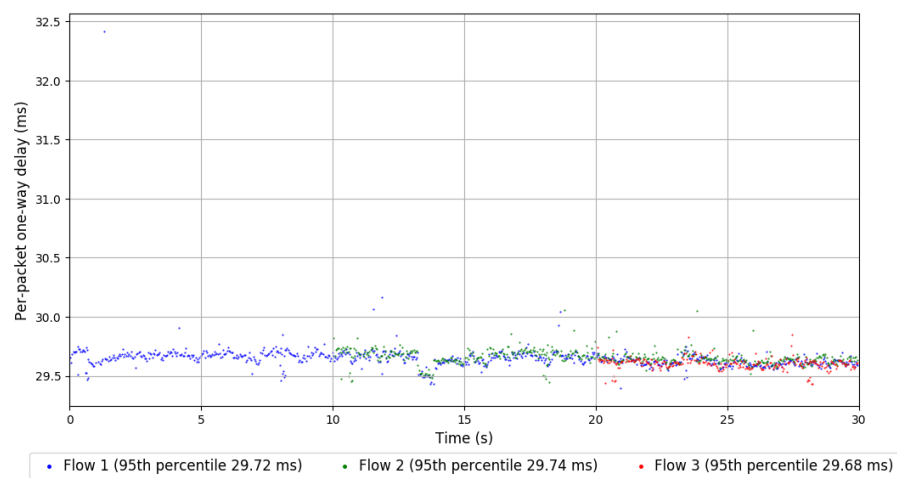
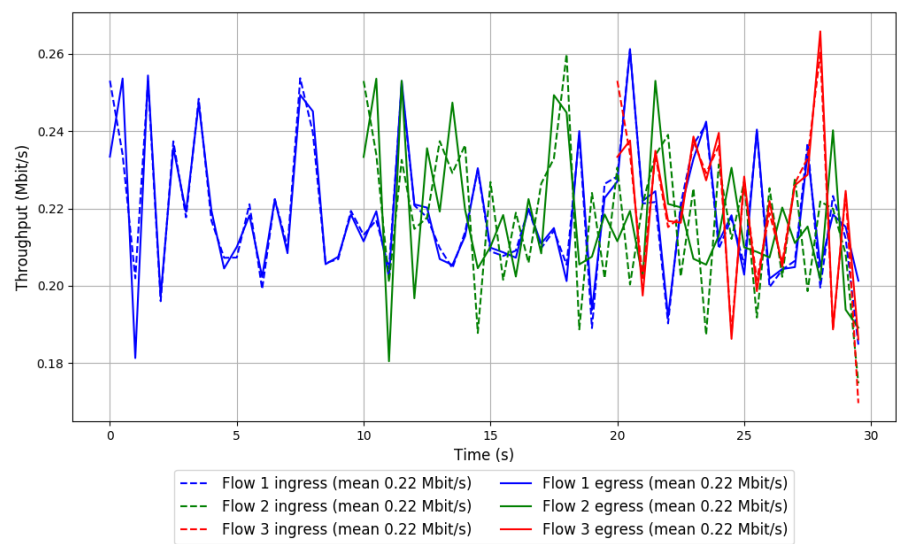


Run 3: Statistics of SReAM

Start at: 2017-11-30 21:57:15
End at: 2017-11-30 21:57:45
Local clock offset: -0.26 ms
Remote clock offset: -2.092 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.685 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

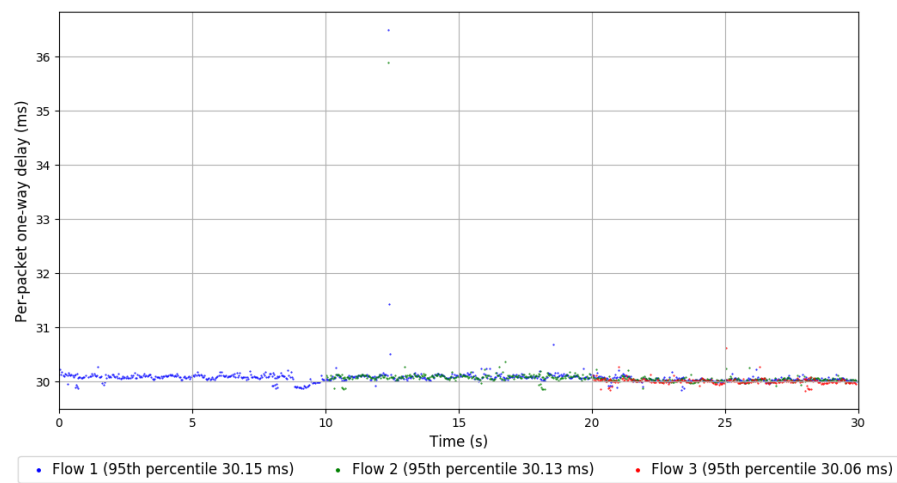
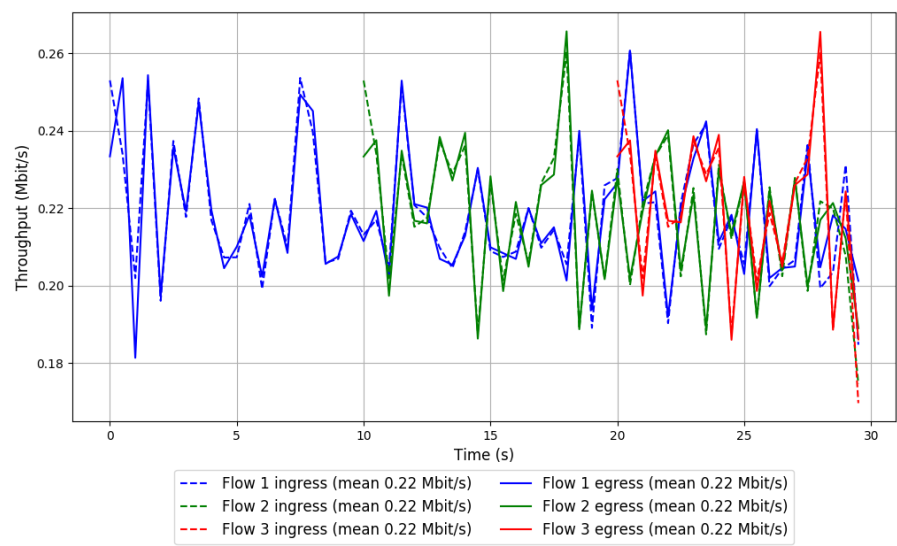


Run 4: Statistics of SReAM

Start at: 2017-11-30 22:16:32
End at: 2017-11-30 22:17:02
Local clock offset: -0.179 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.149 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.058 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

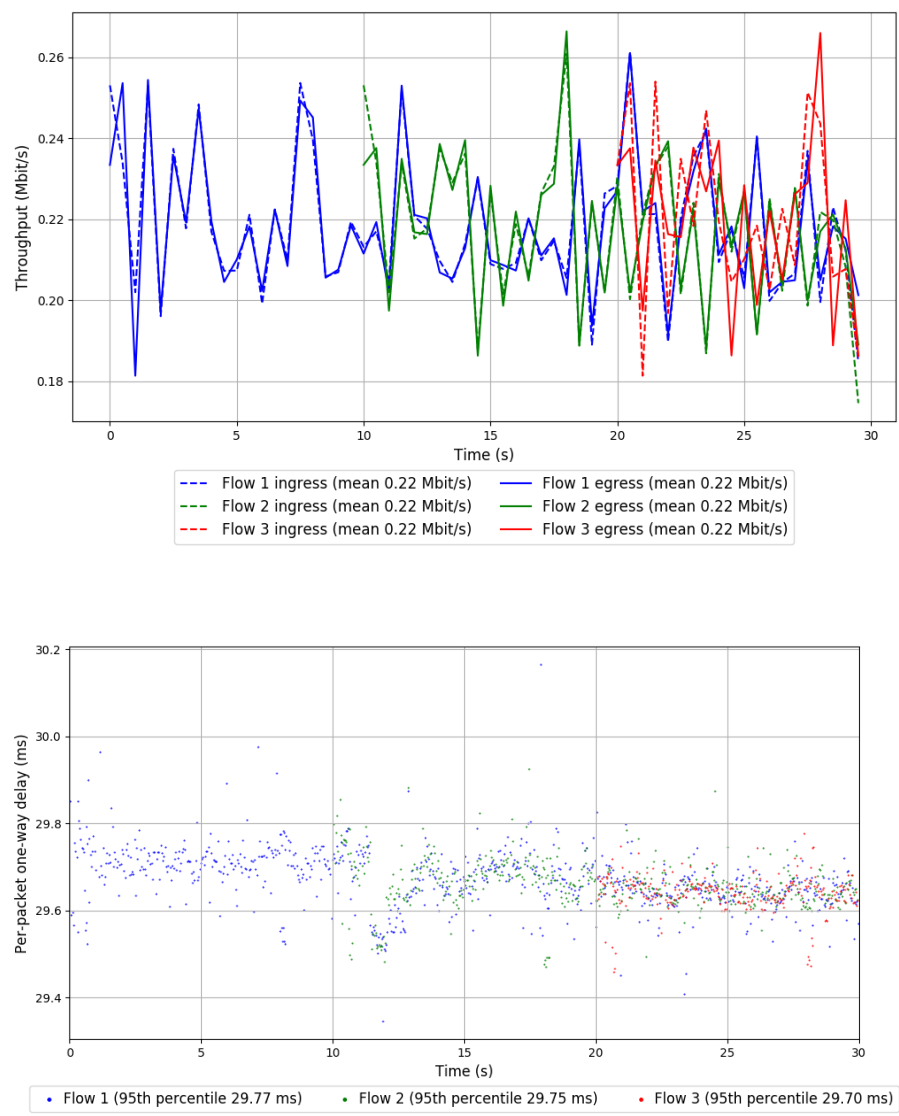


Run 5: Statistics of SReAM

Start at: 2017-11-30 22:36:07
End at: 2017-11-30 22:36:37
Local clock offset: -0.166 ms
Remote clock offset: -1.925 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.758 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.750 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.699 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

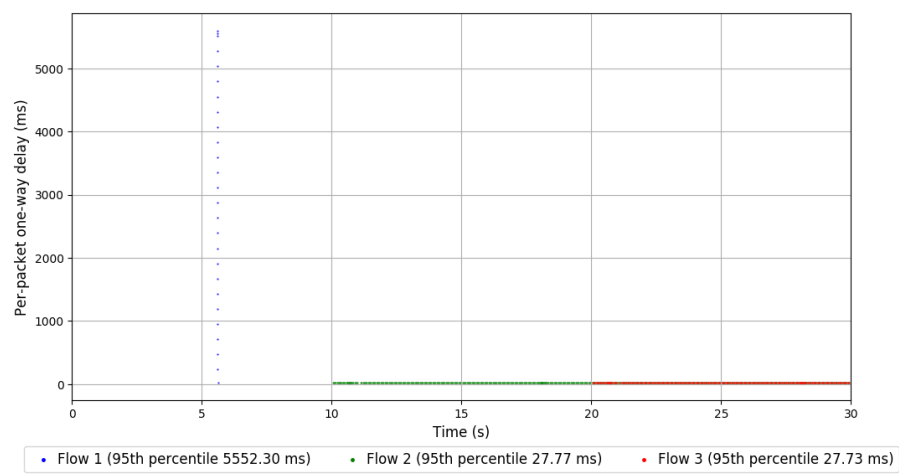
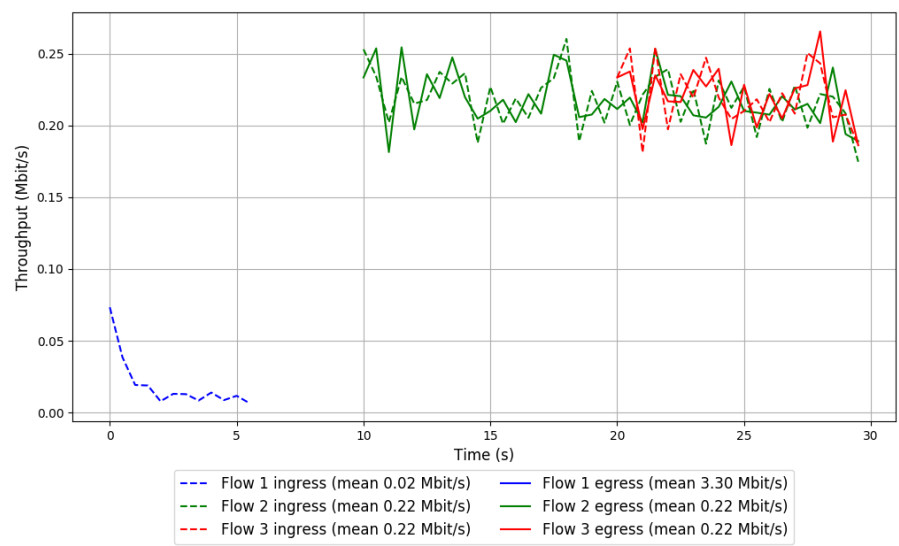


Run 6: Statistics of SReAM

Start at: 2017-11-30 22:55:52
End at: 2017-11-30 22:56:22
Local clock offset: -0.181 ms
Remote clock offset: -4.033 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 27.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 5552.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.766 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.729 ms
Loss rate: 0.00%

Run 6: Report of SCRaM — Data Link



Run 7: Statistics of SCReAM

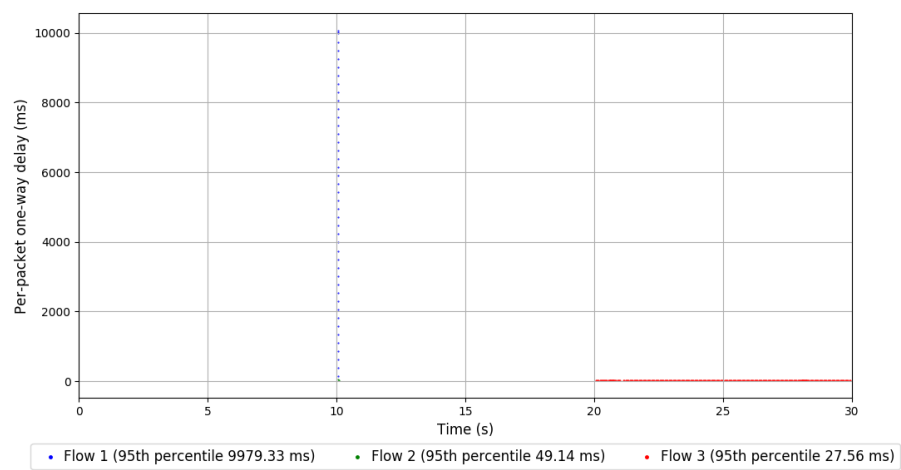
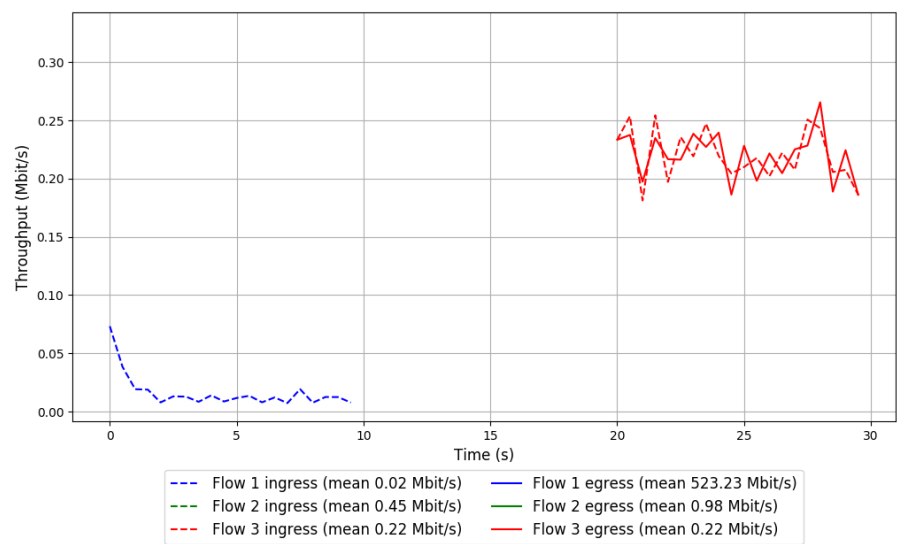
Start at: 2017-11-30 23:15:30

End at: 2017-11-30 23:16:00

Local clock offset: -0.269 ms

Remote clock offset: -4.411 ms

Run 7: Report of SReAM — Data Link

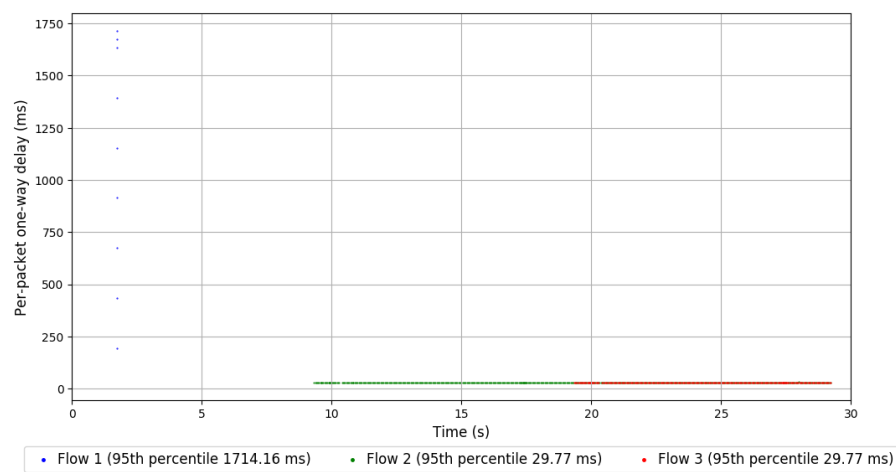
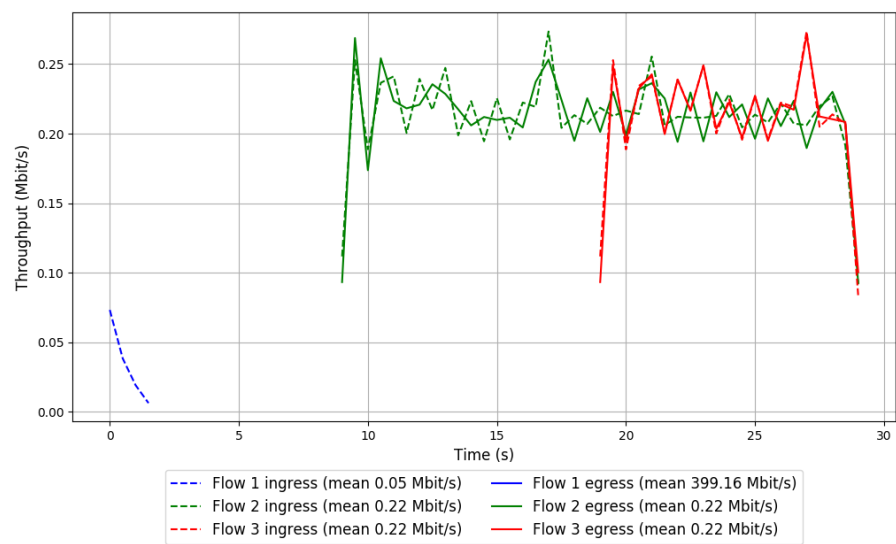


Run 8: Statistics of SReAM

Start at: 2017-11-30 23:35:30
End at: 2017-11-30 23:36:00
Local clock offset: -0.239 ms
Remote clock offset: -2.489 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 29.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 399.16 Mbit/s
95th percentile per-packet one-way delay: 1714.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.766 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.771 ms
Loss rate: 0.00%

Run 8: Report of SCRaM — Data Link

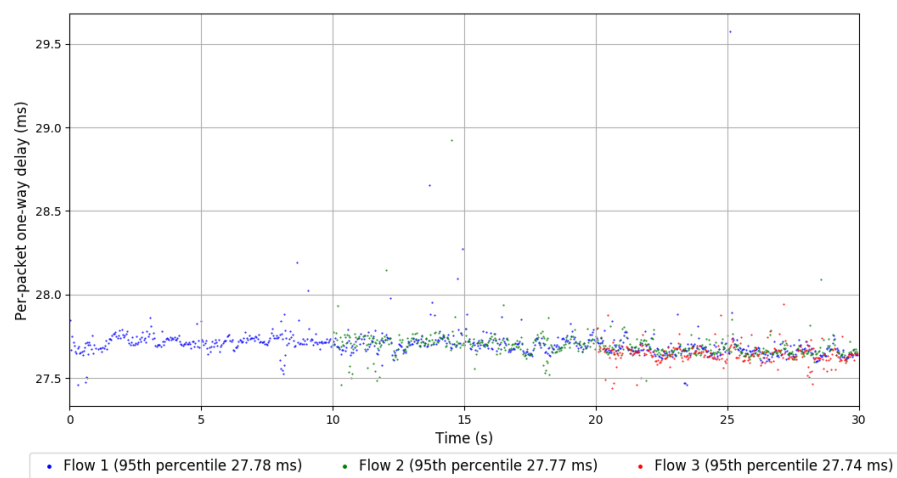
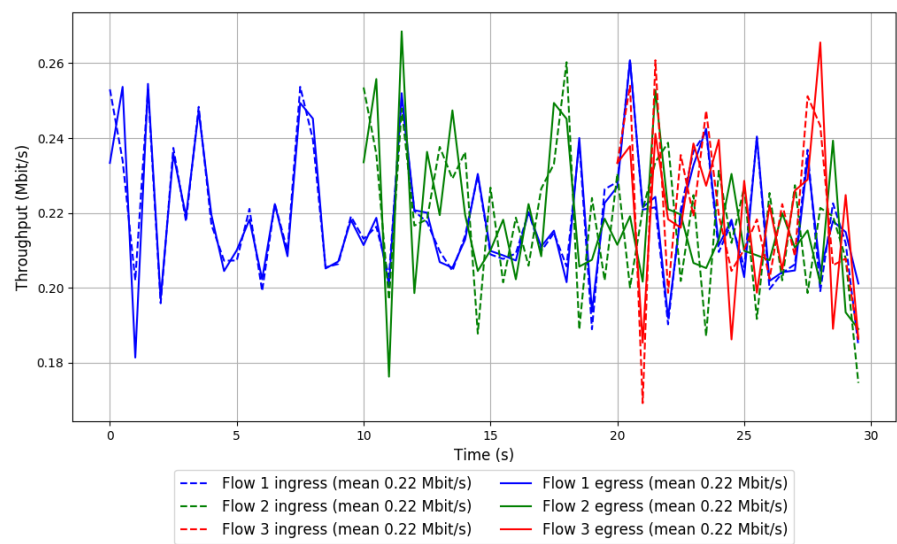


Run 9: Statistics of SReAM

Start at: 2017-11-30 23:55:43
End at: 2017-11-30 23:56:13
Local clock offset: -0.237 ms
Remote clock offset: -4.525 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 27.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.780 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.741 ms
Loss rate: 0.00%

Run 9: Report of SCRaM — Data Link



Run 10: Statistics of SReAM

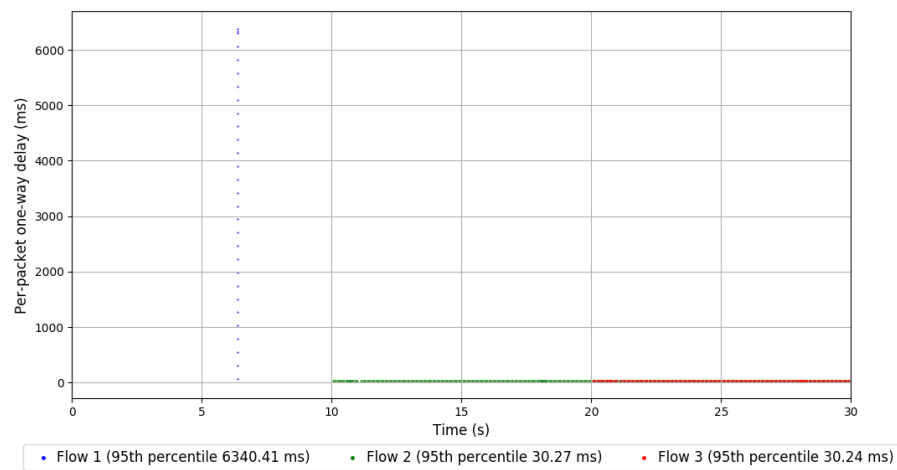
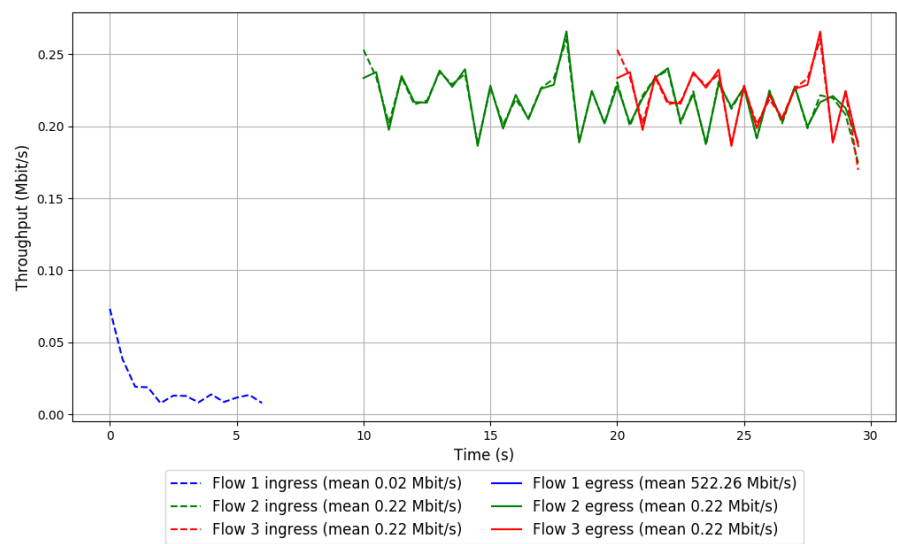
Start at: 2017-12-01 00:16:01

End at: 2017-12-01 00:16:31

Local clock offset: -0.224 ms

Remote clock offset: -2.24 ms

Run 10: Report of SCReAM — Data Link

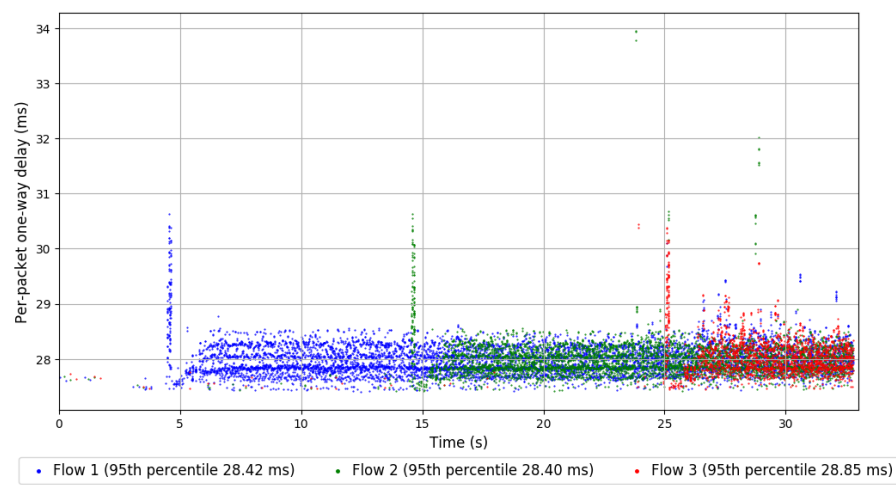
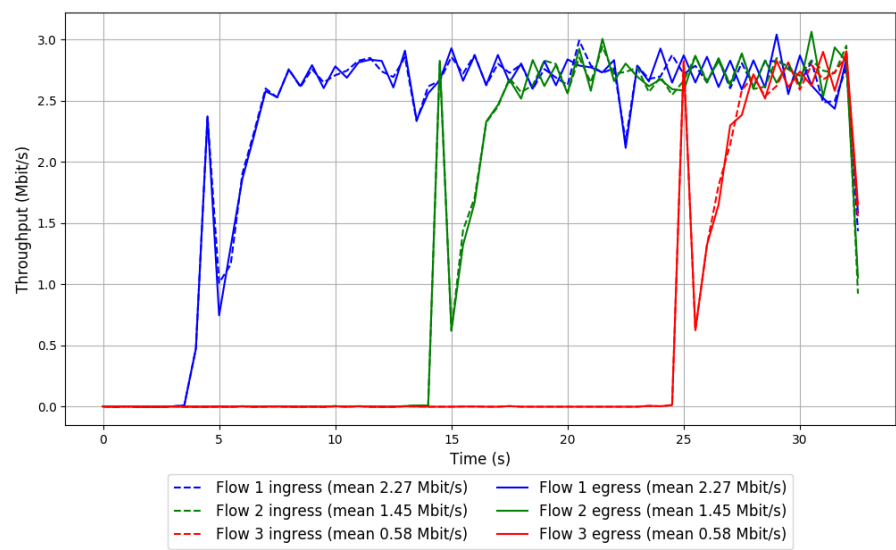


Run 1: Statistics of WebRTC media

Start at: 2017-11-30 21:24:11
End at: 2017-11-30 21:24:41
Local clock offset: -0.2 ms
Remote clock offset: -3.791 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 28.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 28.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 28.847 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

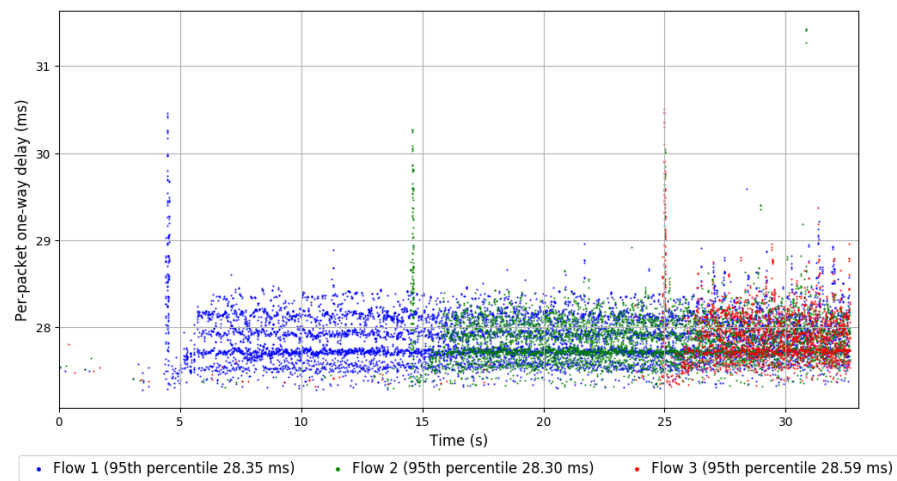
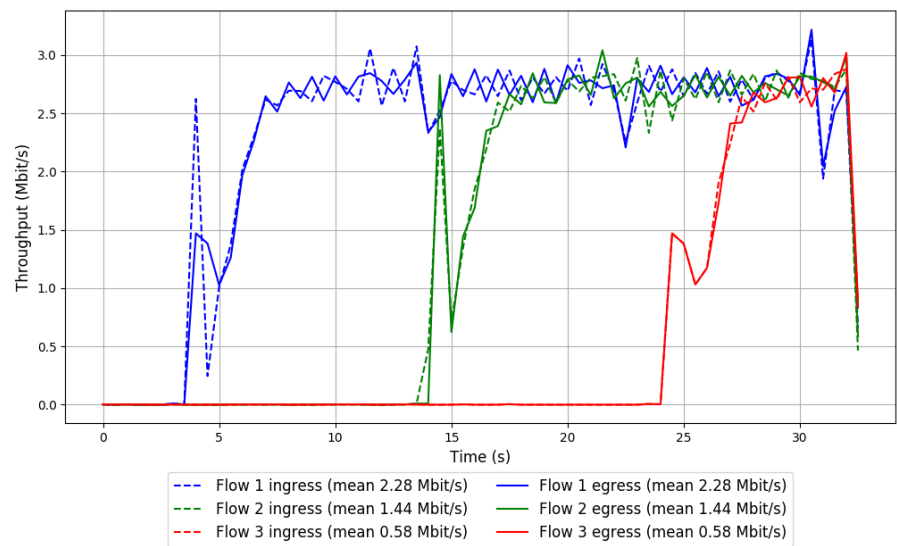


Run 2: Statistics of WebRTC media

Start at: 2017-11-30 21:43:32
End at: 2017-11-30 21:44:02
Local clock offset: -0.236 ms
Remote clock offset: -4.059 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 28.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.353 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 28.592 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

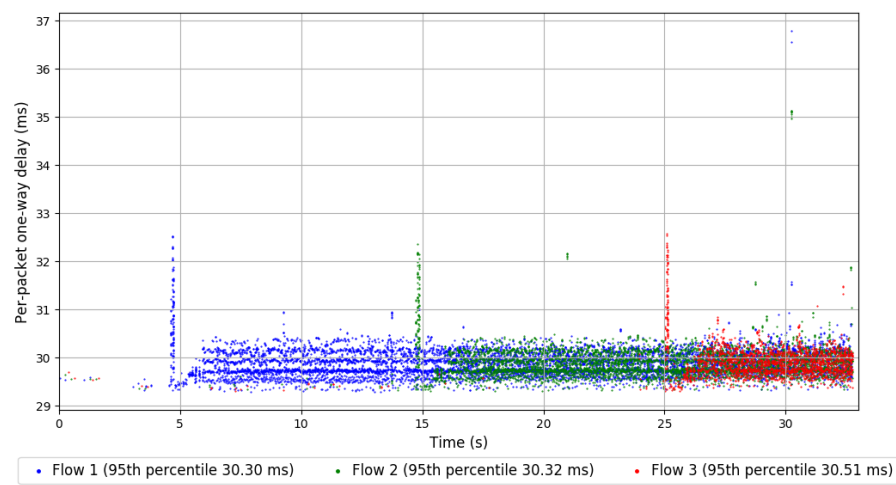
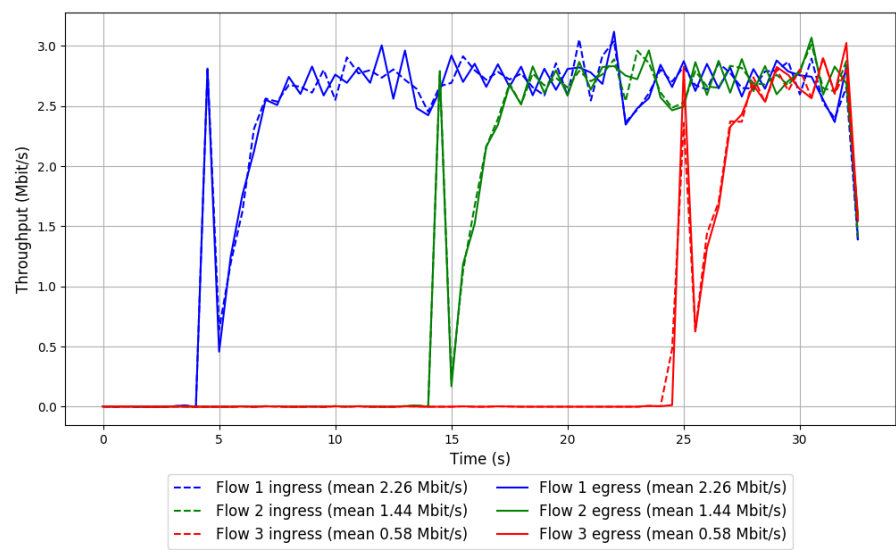


Run 3: Statistics of WebRTC media

Start at: 2017-11-30 22:02:37
End at: 2017-11-30 22:03:07
Local clock offset: -0.242 ms
Remote clock offset: -2.045 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 30.321 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.298 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 30.514 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

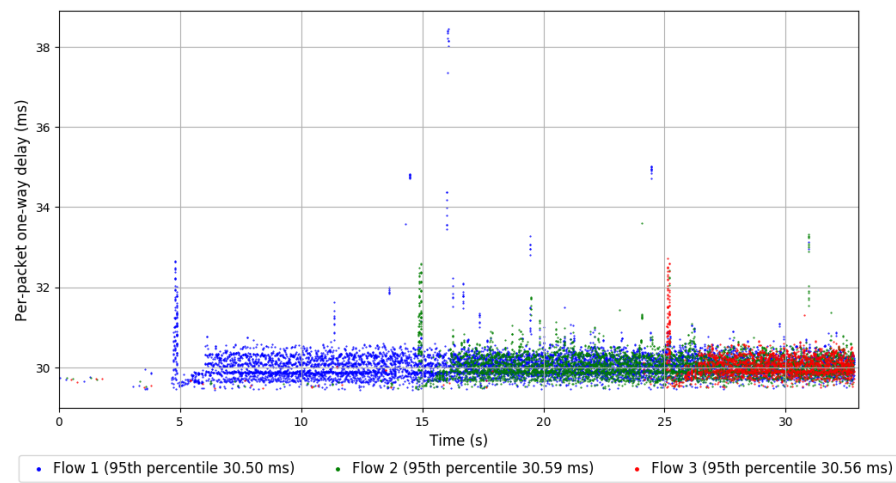
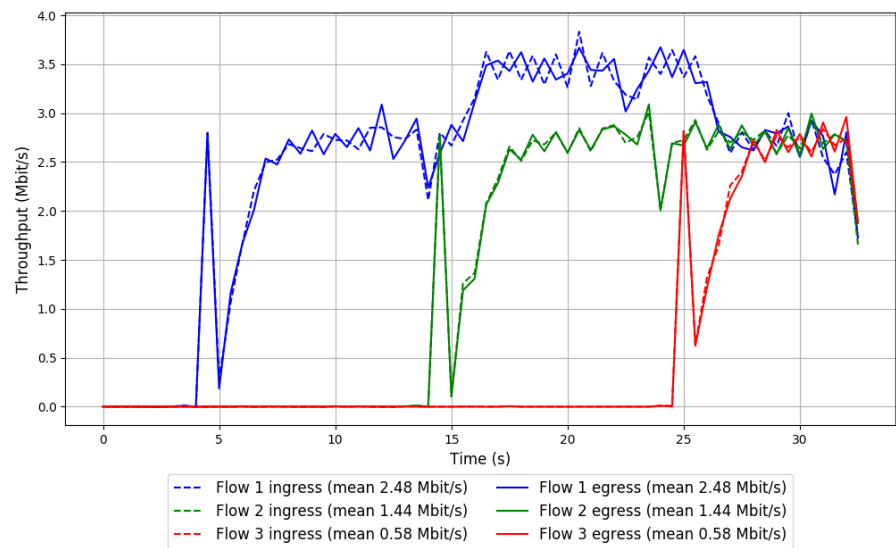


Run 4: Statistics of WebRTC media

Start at: 2017-11-30 22:22:00
End at: 2017-11-30 22:22:30
Local clock offset: -0.163 ms
Remote clock offset: -1.846 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 30.526 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 30.502 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 30.562 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

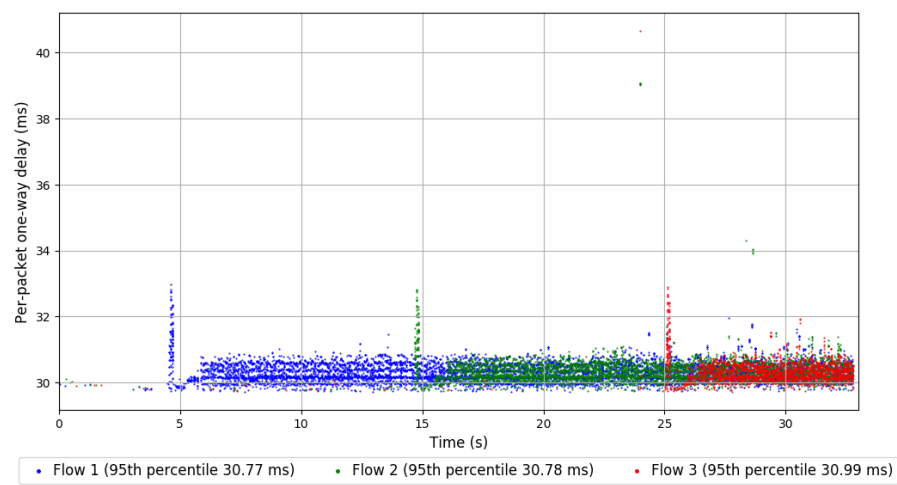
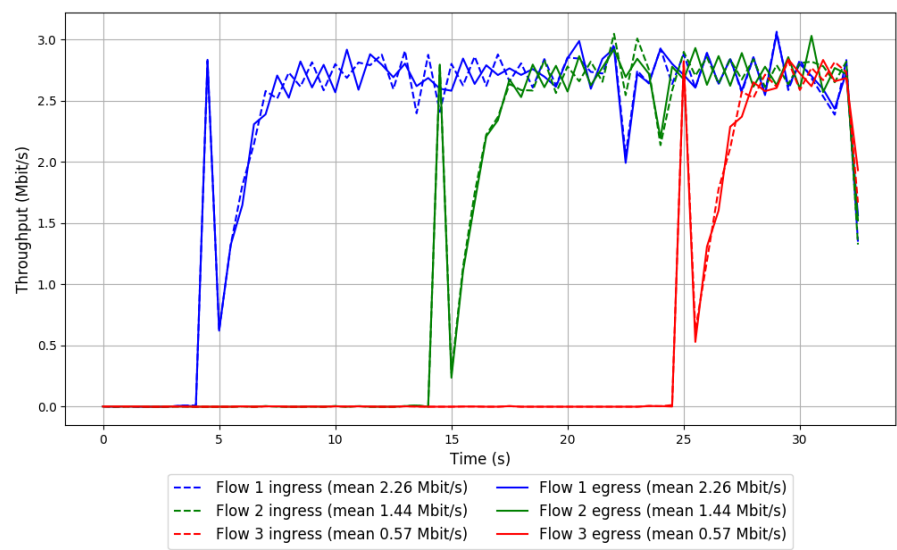


Run 5: Statistics of WebRTC media

Start at: 2017-11-30 22:41:35
End at: 2017-11-30 22:42:05
Local clock offset: -0.172 ms
Remote clock offset: -1.527 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 30.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

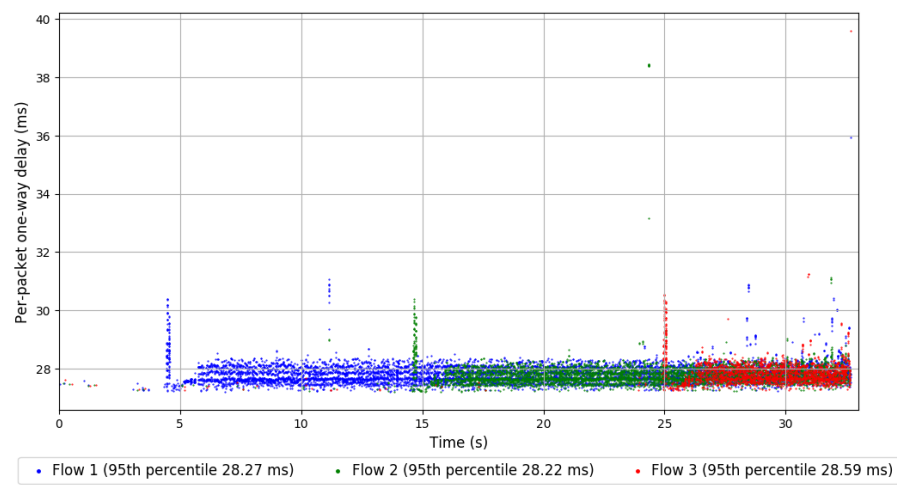
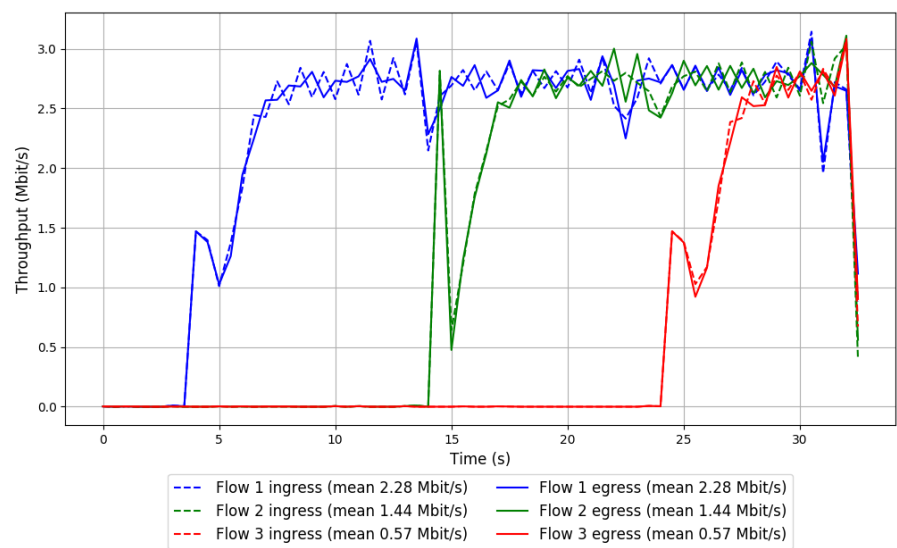


Run 6: Statistics of WebRTC media

Start at: 2017-11-30 23:01:27
End at: 2017-11-30 23:01:57
Local clock offset: -0.257 ms
Remote clock offset: -4.246 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 28.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 28.593 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

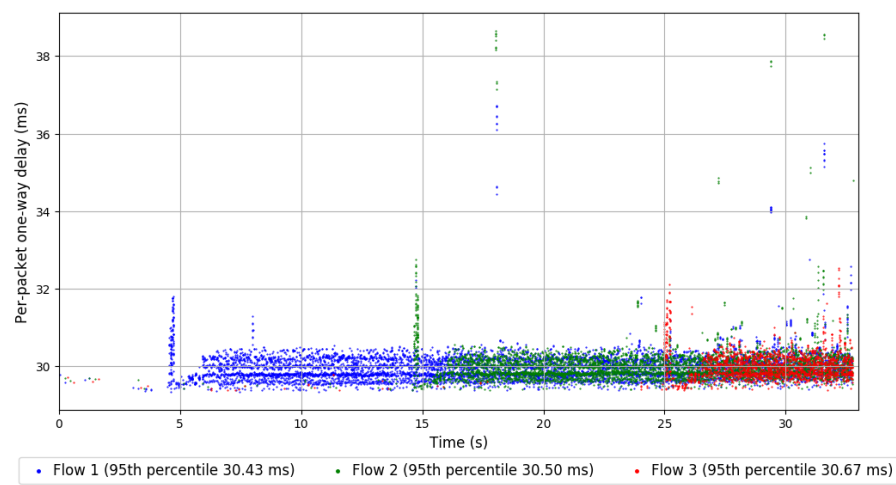
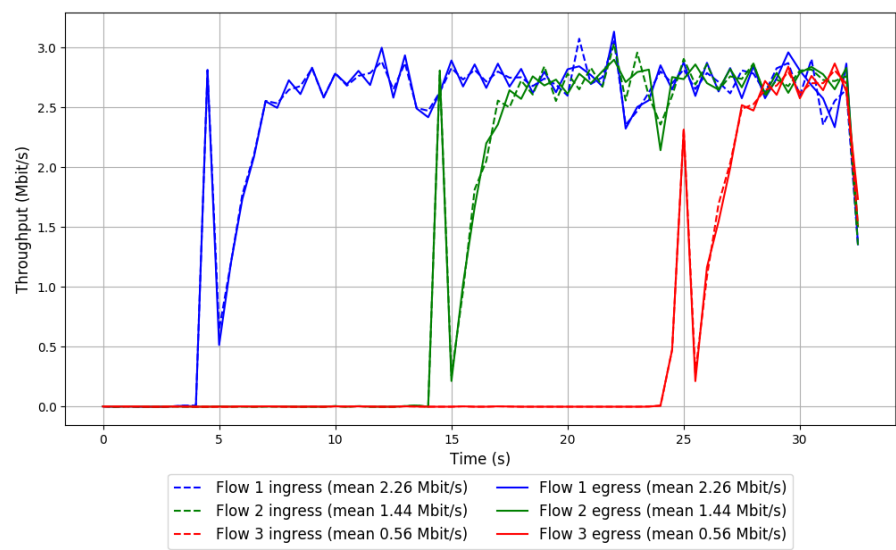


Run 7: Statistics of WebRTC media

Start at: 2017-11-30 23:21:02
End at: 2017-11-30 23:21:32
Local clock offset: -0.236 ms
Remote clock offset: -2.196 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 30.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 30.674 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-11-30 23:41:12

End at: 2017-11-30 23:41:42

Local clock offset: -0.145 ms

Remote clock offset: -4.46 ms

Below is generated by plot.py at 2017-12-01 00:56:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 28.282 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 28.218 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 28.297 ms

Loss rate: 0.00%

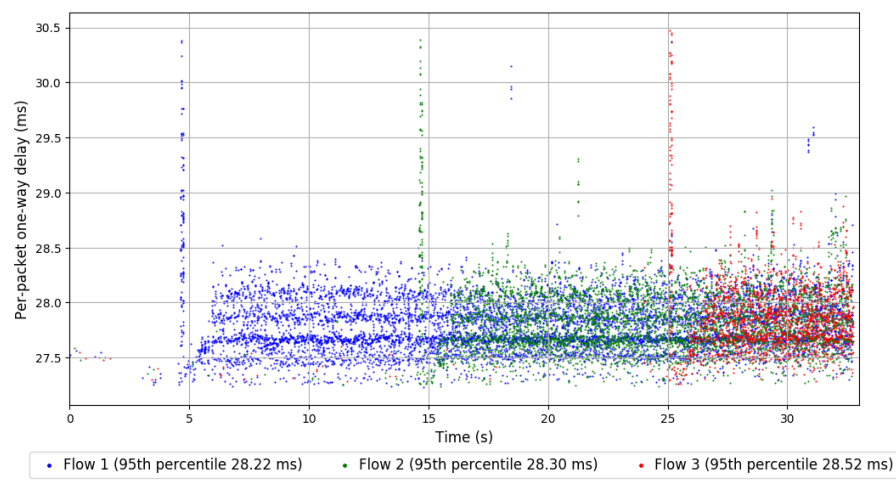
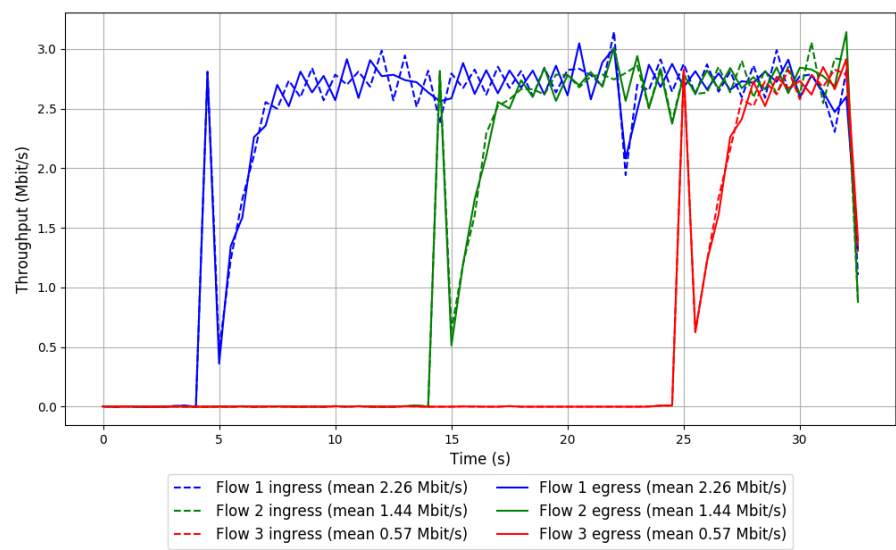
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 28.524 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

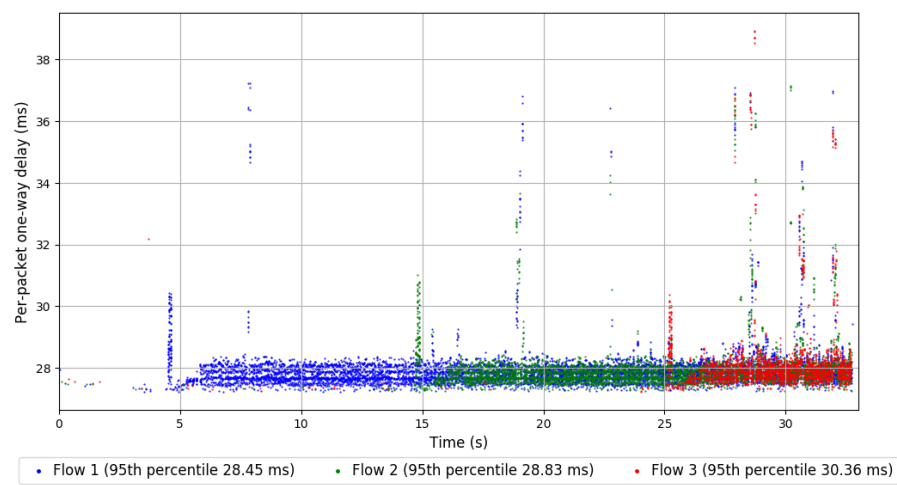
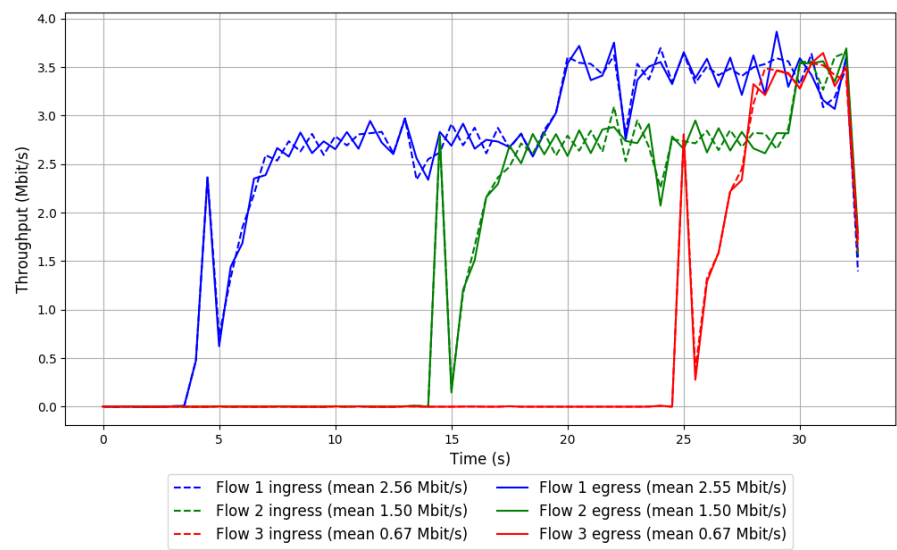


Run 9: Statistics of WebRTC media

Start at: 2017-12-01 00:01:16
End at: 2017-12-01 00:01:46
Local clock offset: -0.247 ms
Remote clock offset: -4.635 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 28.715 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 28.448 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 28.827 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 30.355 ms
Loss rate: 0.14%

Run 9: Report of WebRTC media — Data Link

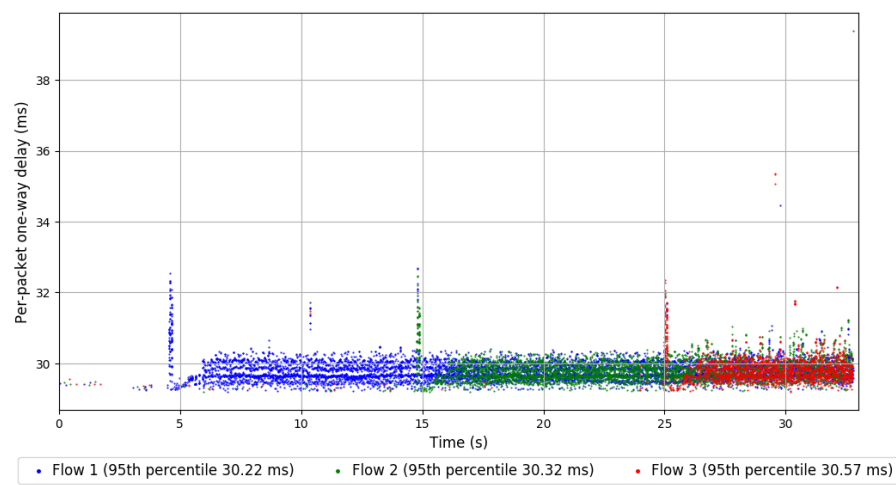
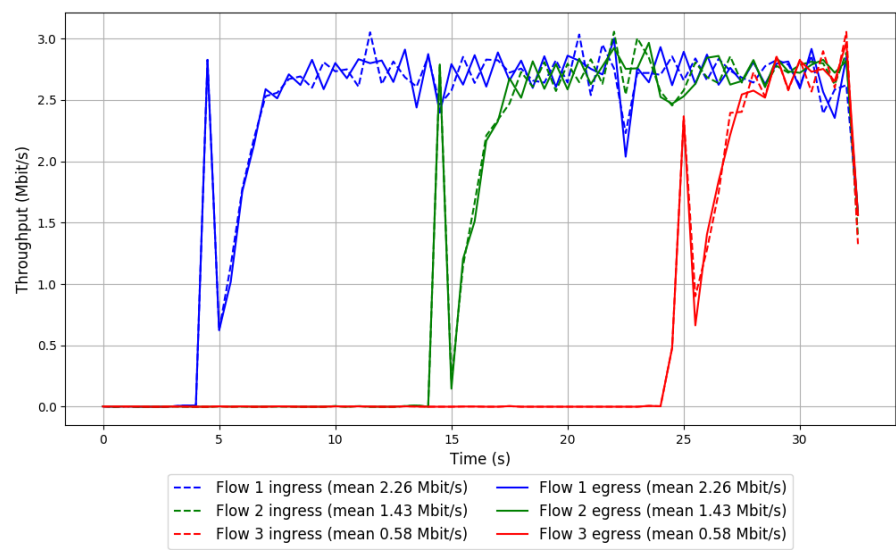


Run 10: Statistics of WebRTC media

Start at: 2017-12-01 00:21:39
End at: 2017-12-01 00:22:09
Local clock offset: -0.158 ms
Remote clock offset: -2.806 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 30.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 30.322 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 30.568 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

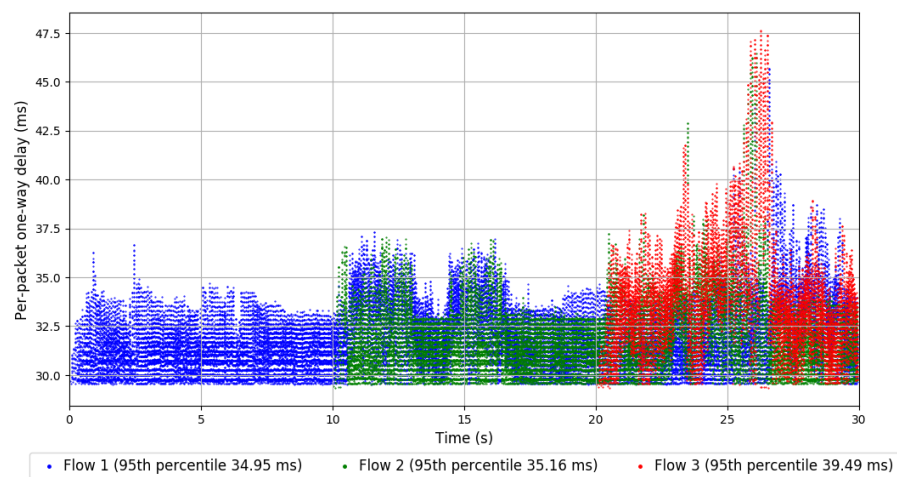
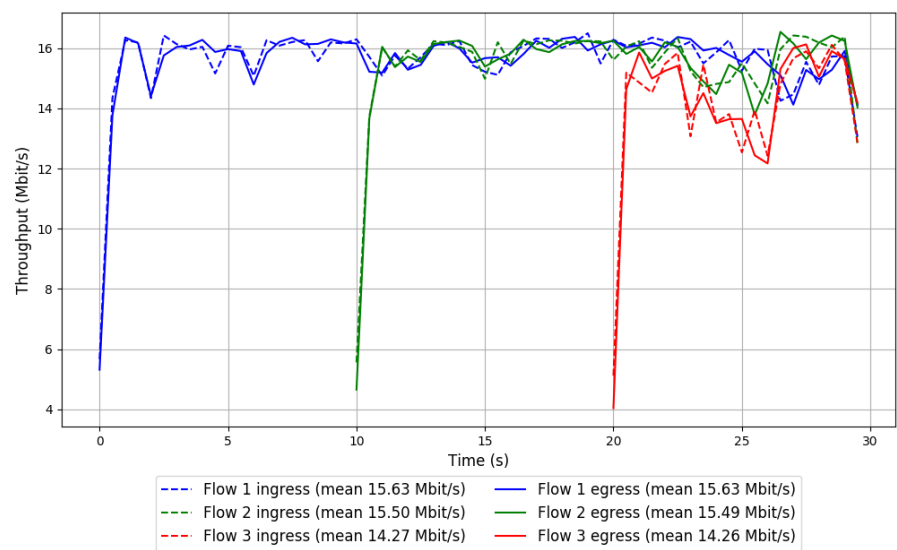


Run 1: Statistics of Sprout

Start at: 2017-11-30 21:21:15
End at: 2017-11-30 21:21:45
Local clock offset: -0.083 ms
Remote clock offset: -1.716 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 35.866 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 34.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.49 Mbit/s
95th percentile per-packet one-way delay: 35.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 39.490 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

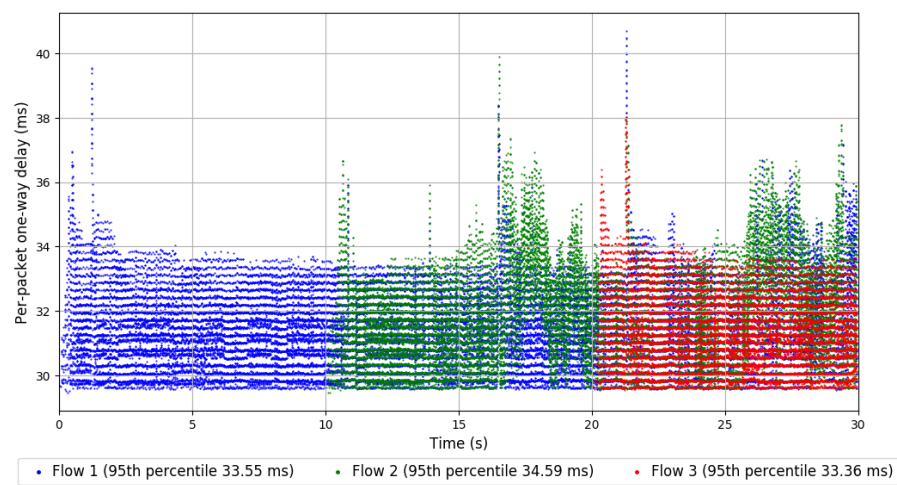
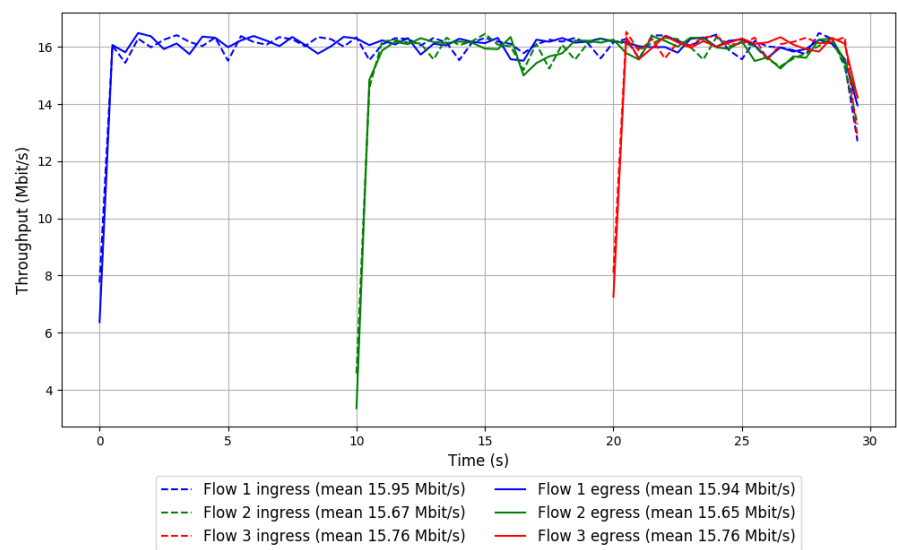


Run 2: Statistics of Sprout

Start at: 2017-11-30 21:40:48
End at: 2017-11-30 21:41:19
Local clock offset: -0.269 ms
Remote clock offset: -2.026 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 33.910 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 33.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 34.591 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 33.363 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

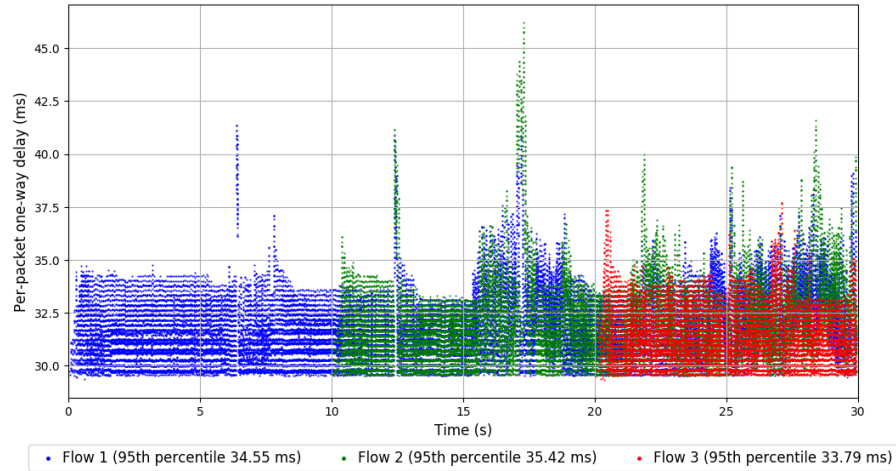
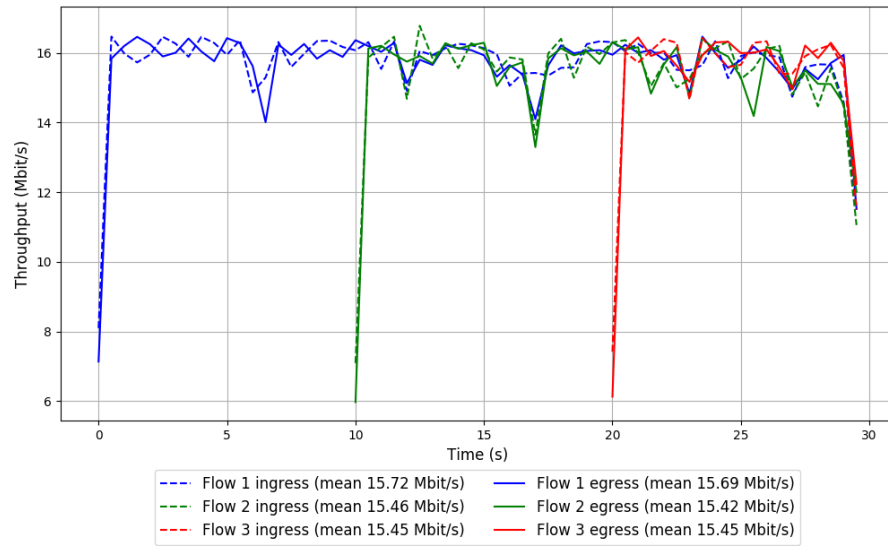


Run 3: Statistics of Sprout

Start at: 2017-11-30 21:59:54
End at: 2017-11-30 22:00:24
Local clock offset: -0.155 ms
Remote clock offset: -1.945 ms

```
# Below is generated by plot.py at 2017-12-01 00:56:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 34.726 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 35.417 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 33.787 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

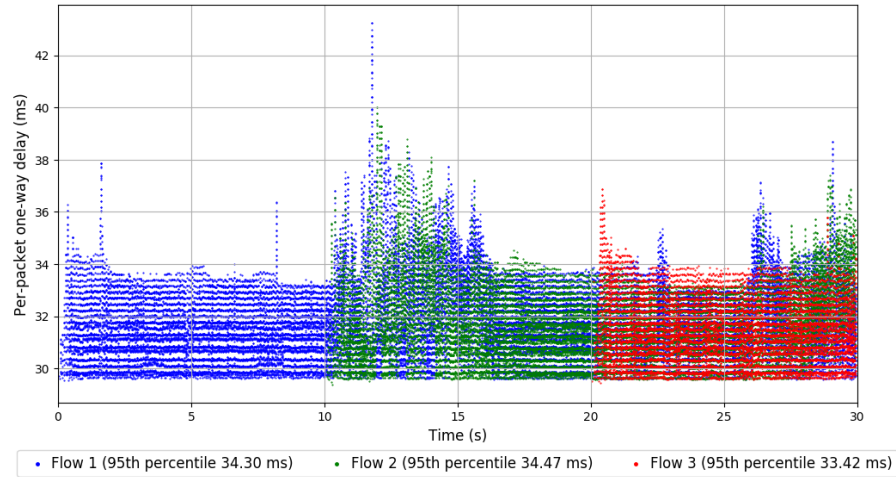
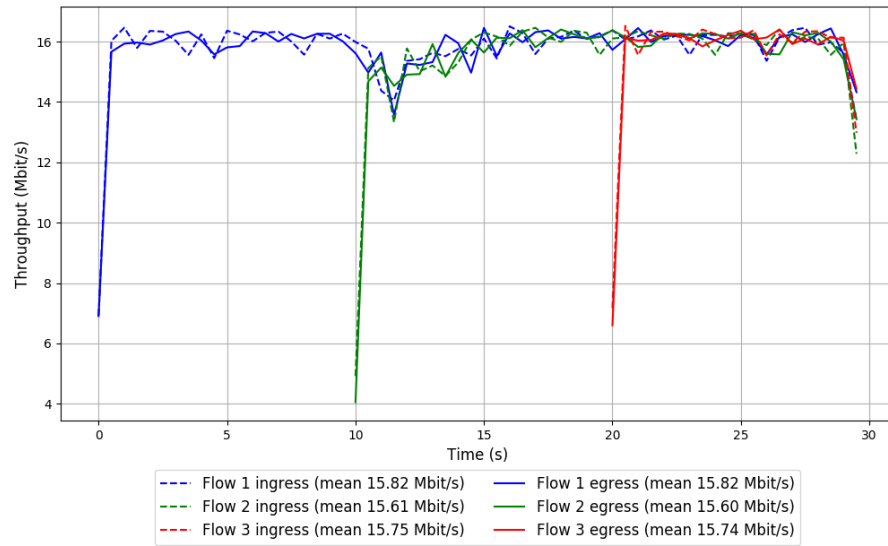


Run 4: Statistics of Sprout

Start at: 2017-11-30 22:19:13
End at: 2017-11-30 22:19:43
Local clock offset: -0.272 ms
Remote clock offset: -2.058 ms

```
# Below is generated by plot.py at 2017-12-01 00:56:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 34.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 34.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 34.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 33.423 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

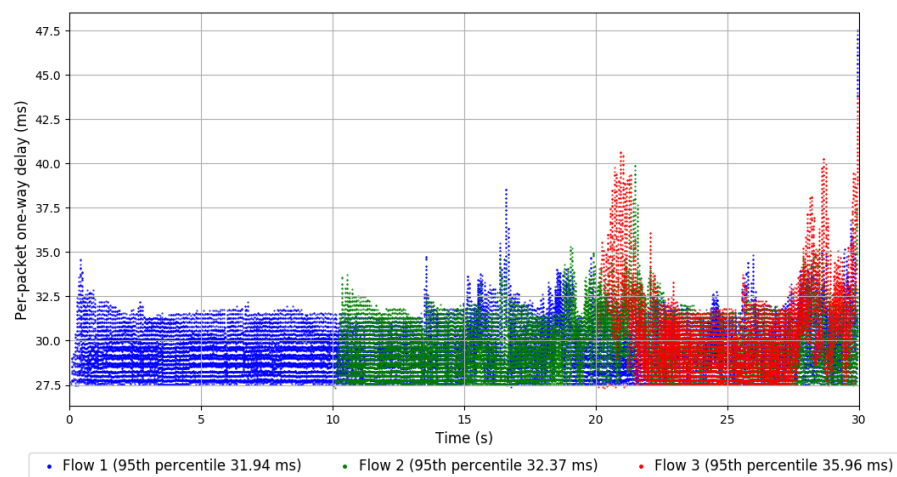
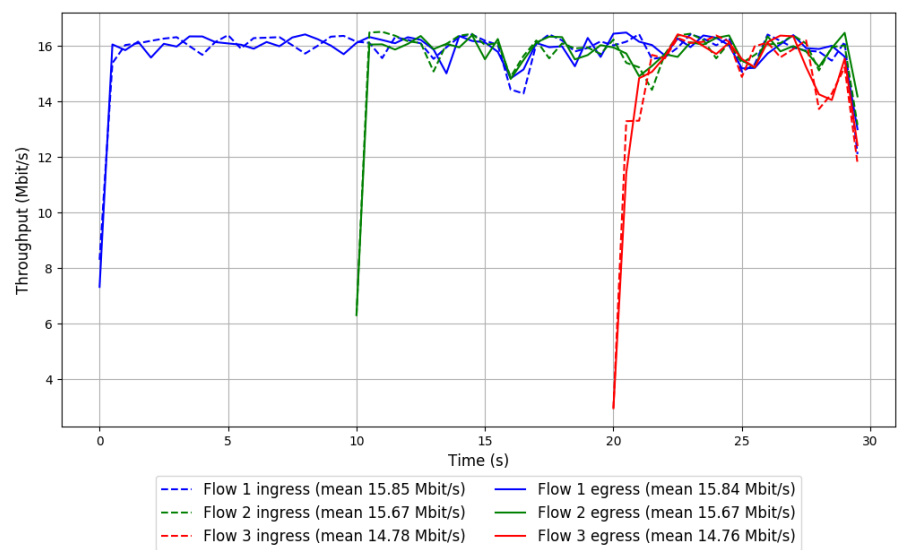


Run 5: Statistics of Sprout

Start at: 2017-11-30 22:38:48
End at: 2017-11-30 22:39:18
Local clock offset: -0.265 ms
Remote clock offset: -4.073 ms

```
# Below is generated by plot.py at 2017-12-01 00:56:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 32.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 31.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 32.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 35.961 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

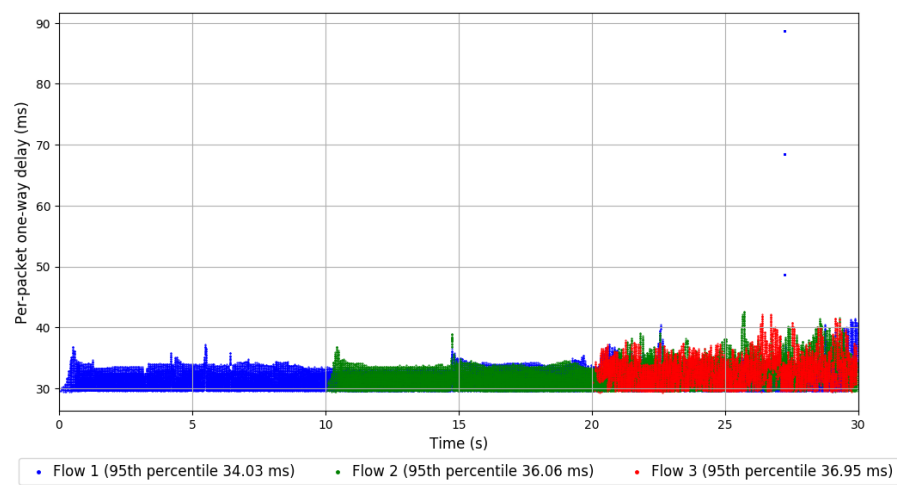
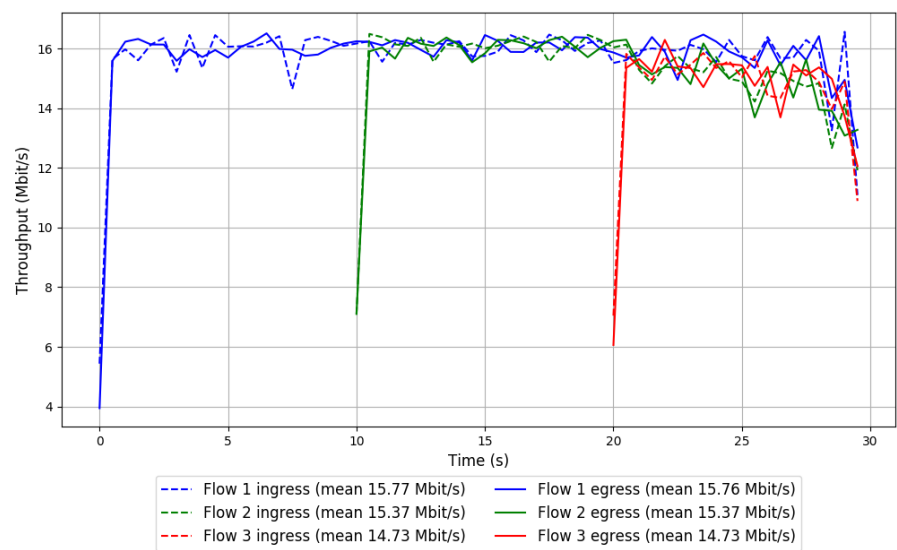


Run 6: Statistics of Sprout

Start at: 2017-11-30 22:58:34
End at: 2017-11-30 22:59:04
Local clock offset: -0.271 ms
Remote clock offset: -2.123 ms

Below is generated by plot.py at 2017-12-01 00:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 35.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 34.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 36.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 36.953 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

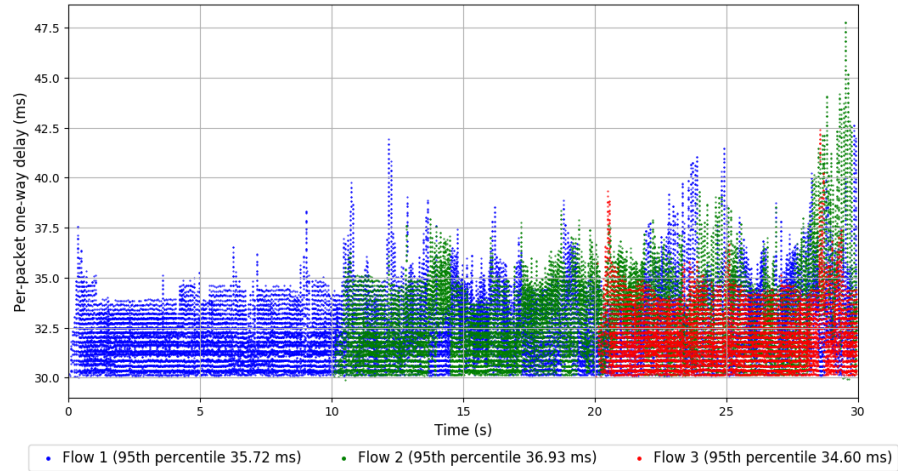
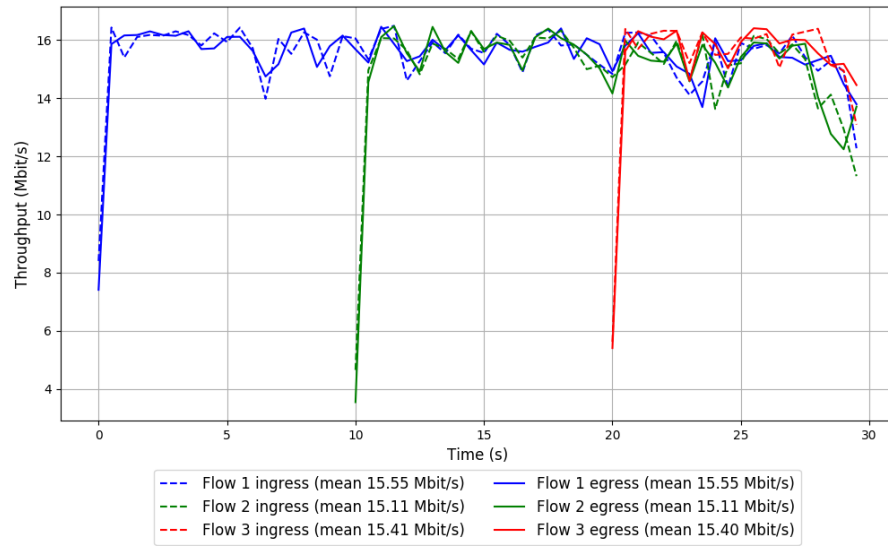


Run 7: Statistics of Sprout

Start at: 2017-11-30 23:18:12
End at: 2017-11-30 23:18:42
Local clock offset: -0.307 ms
Remote clock offset: -1.703 ms

```
# Below is generated by plot.py at 2017-12-01 00:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 36.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 35.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 36.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 34.599 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

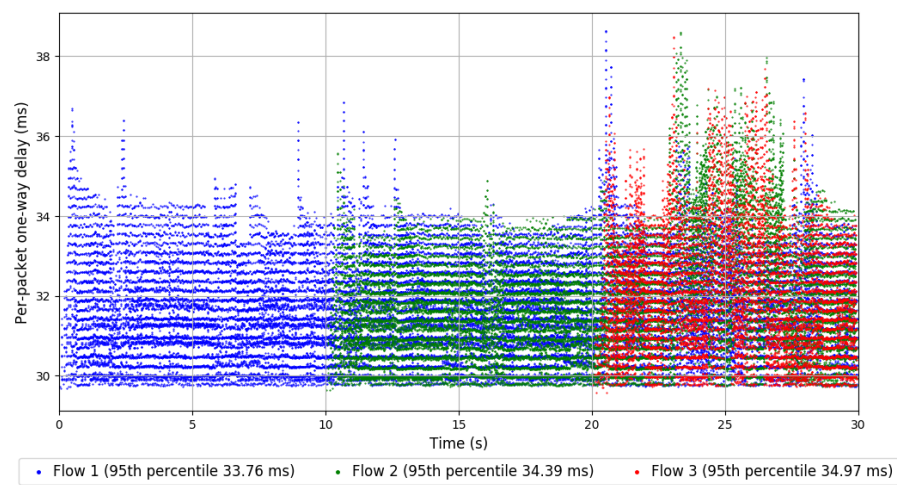
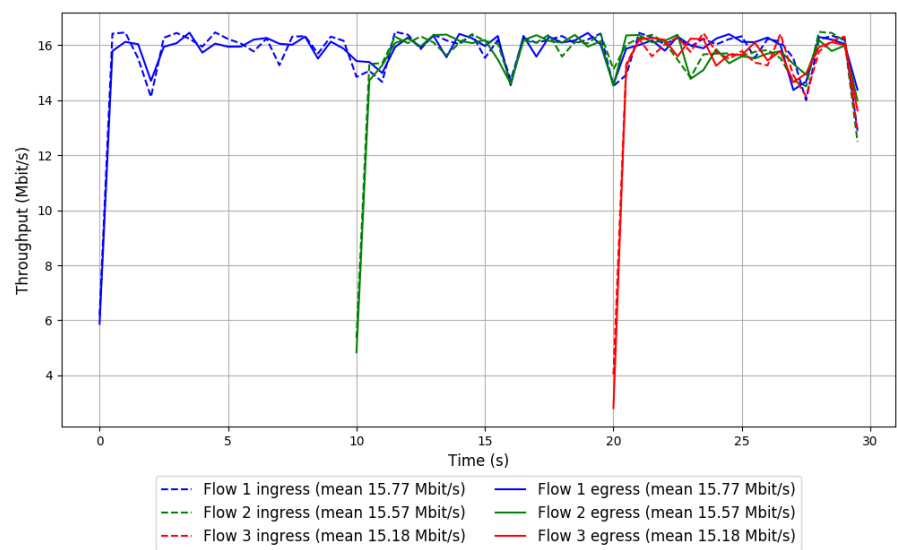


Run 8: Statistics of Sprout

Start at: 2017-11-30 23:38:22
End at: 2017-11-30 23:38:52
Local clock offset: -0.255 ms
Remote clock offset: -2.304 ms

Below is generated by plot.py at 2017-12-01 00:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 34.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 33.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 34.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 34.969 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

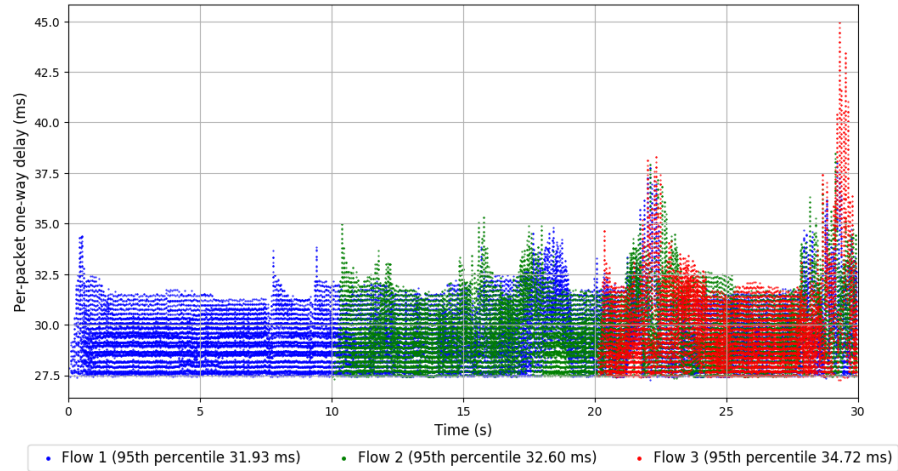
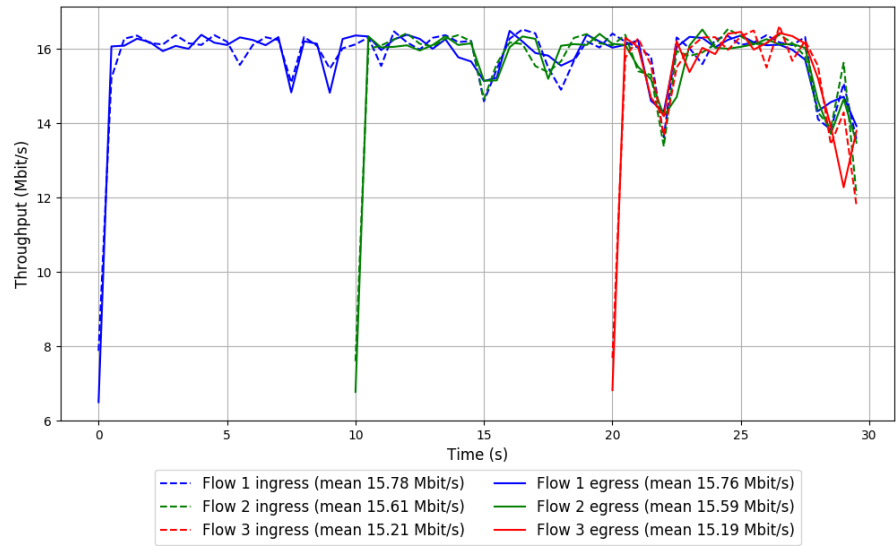


Run 9: Statistics of Sprout

Start at: 2017-11-30 23:58:25
End at: 2017-11-30 23:58:55
Local clock offset: -0.259 ms
Remote clock offset: -4.657 ms

Below is generated by plot.py at 2017-12-01 00:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 32.469 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 31.926 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 32.603 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 34.716 ms
Loss rate: 0.11%

Run 9: Report of Sprout — Data Link

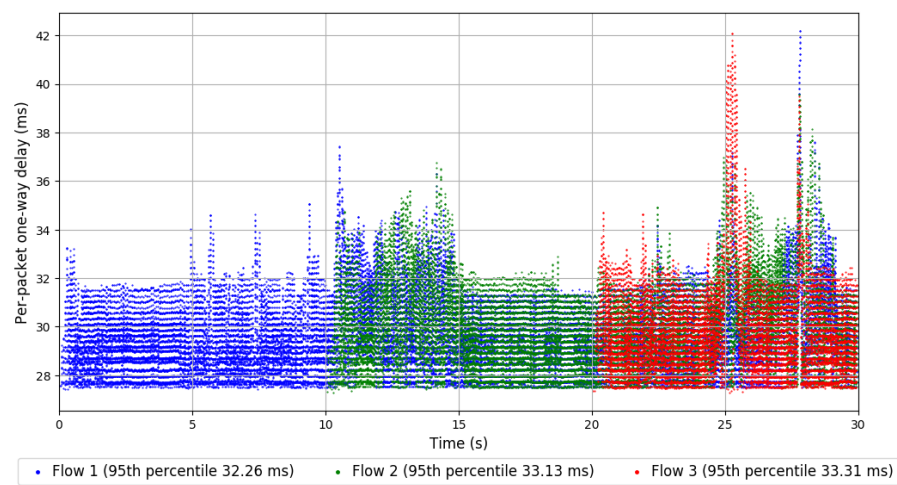
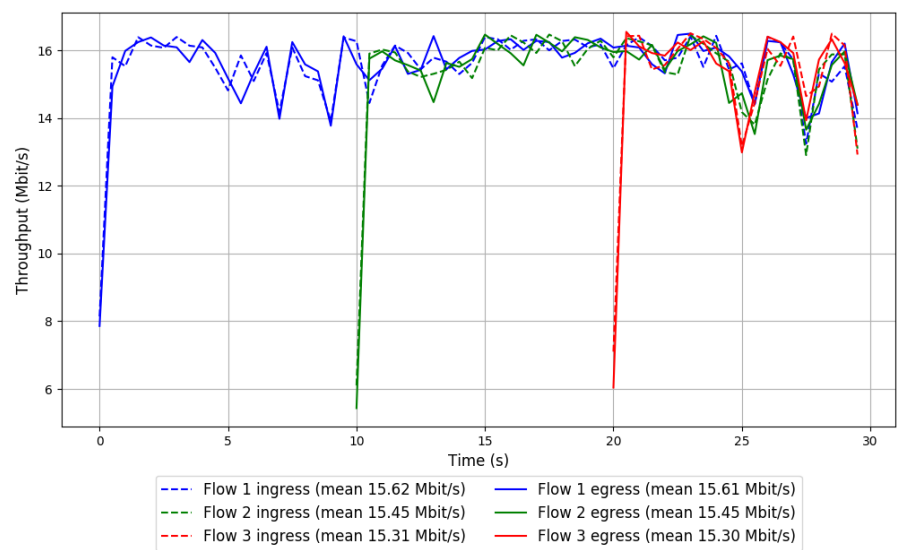


Run 10: Statistics of Sprout

Start at: 2017-12-01 00:18:45
End at: 2017-12-01 00:19:15
Local clock offset: -0.142 ms
Remote clock offset: -4.752 ms

Below is generated by plot.py at 2017-12-01 00:56:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 32.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 32.259 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 33.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 33.310 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

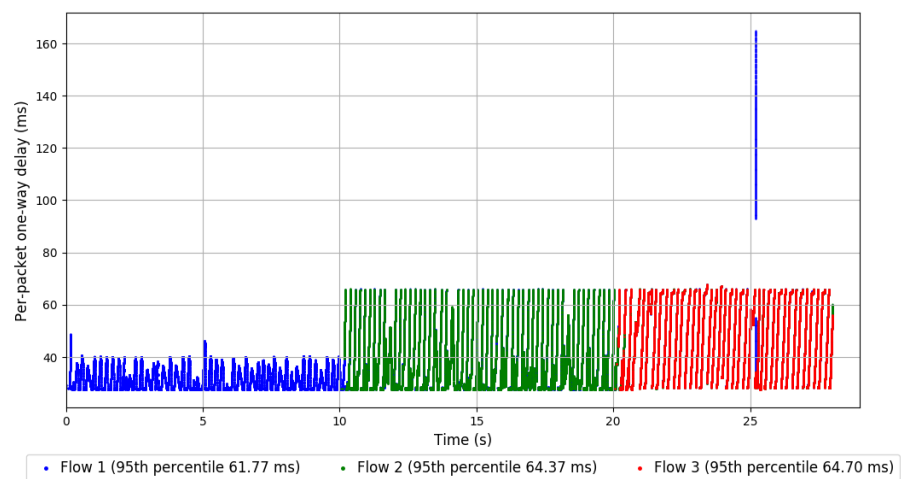
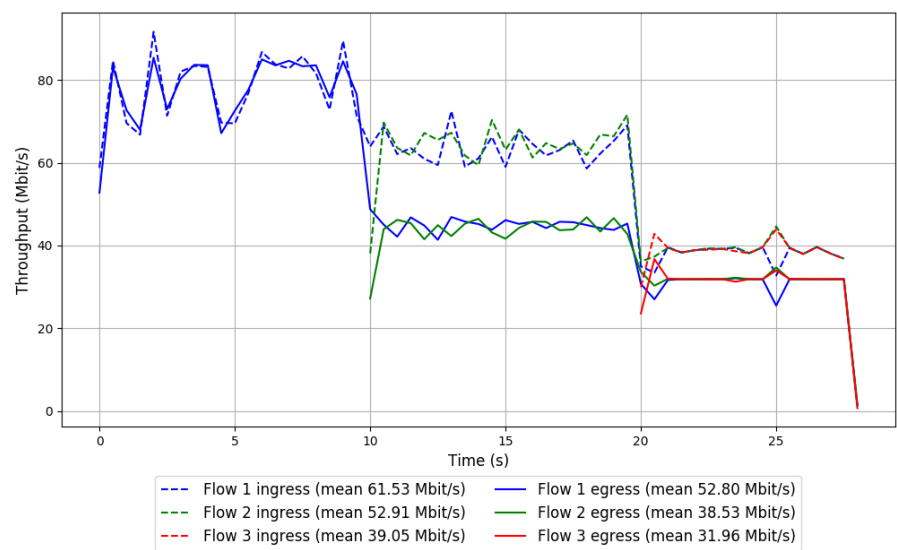


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-30 21:28:17
End at: 2017-11-30 21:28:47
Local clock offset: -0.242 ms
Remote clock offset: -3.954 ms

# Below is generated by plot.py at 2017-12-01 00:58:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 18.61%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 61.767 ms
Loss rate: 14.09%
-- Flow 2:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 64.374 ms
Loss rate: 27.04%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 64.699 ms
Loss rate: 17.94%
```


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

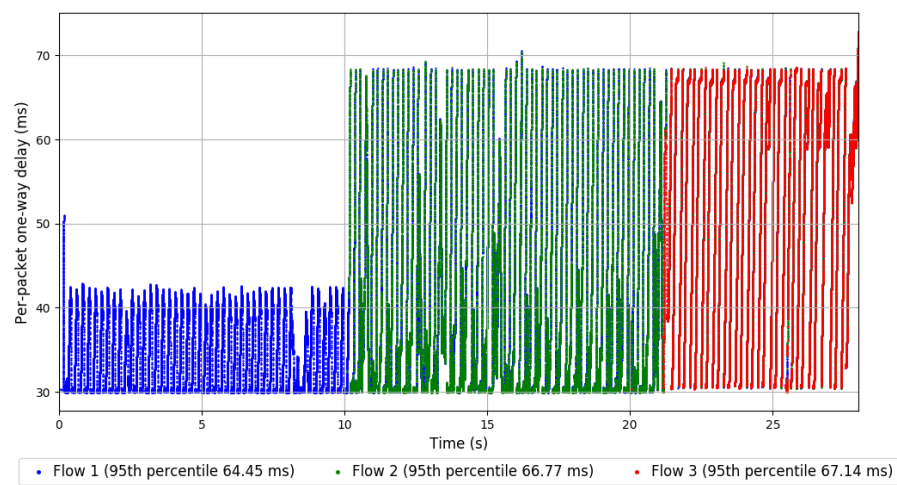
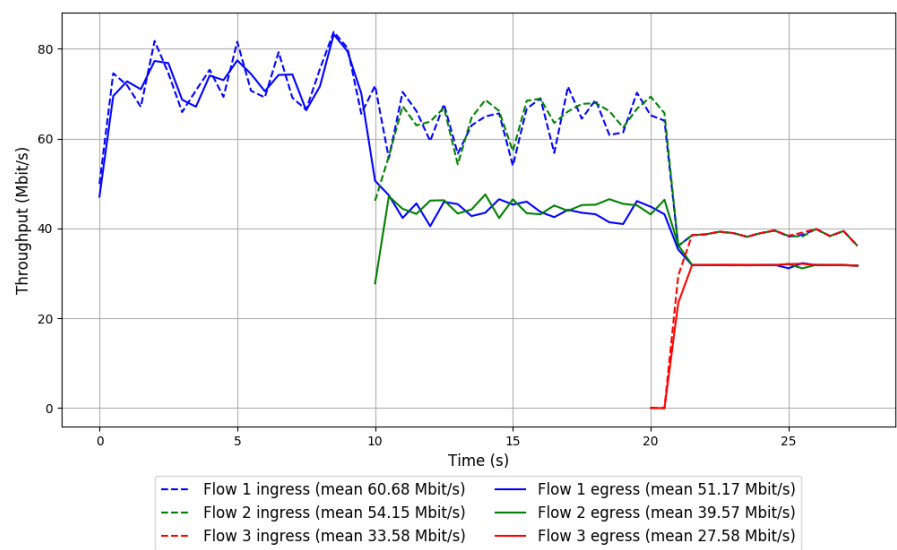


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-30 21:47:34
End at: 2017-11-30 21:48:04
Local clock offset: -0.262 ms
Remote clock offset: -1.611 ms

Below is generated by plot.py at 2017-12-01 00:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 66.677 ms
Loss rate: 19.59%
-- Flow 1:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 64.448 ms
Loss rate: 15.67%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 66.774 ms
Loss rate: 26.93%
-- Flow 3:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 67.137 ms
Loss rate: 17.83%

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

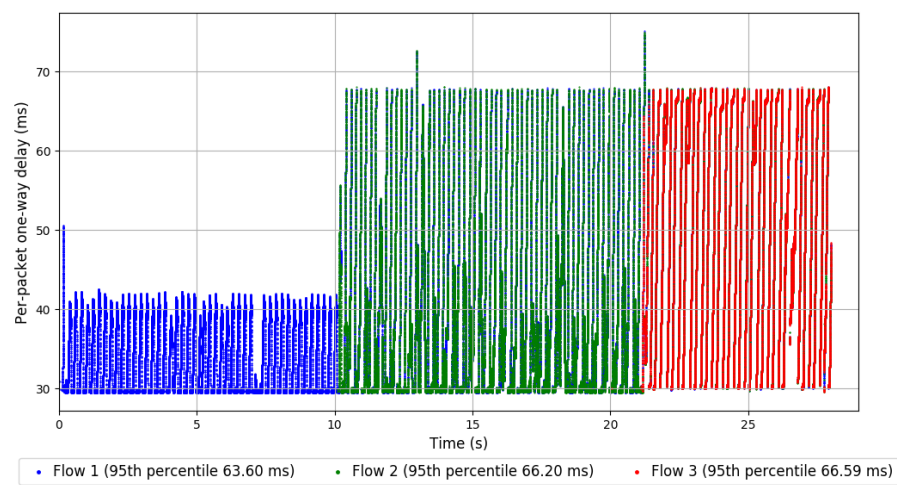
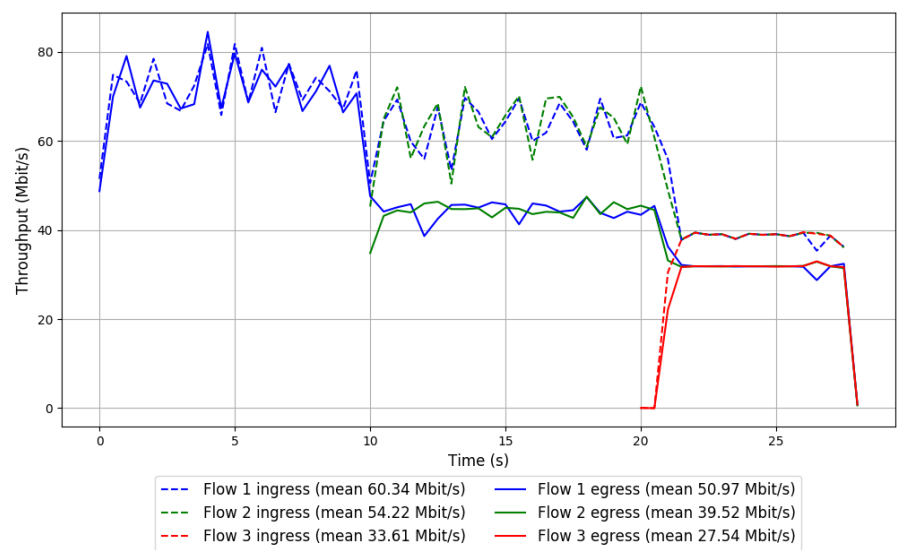


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-30 22:06:39
End at: 2017-11-30 22:07:09
Local clock offset: -0.181 ms
Remote clock offset: -2.067 ms

Below is generated by plot.py at 2017-12-01 00:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 65.934 ms
Loss rate: 19.56%
-- Flow 1:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 63.596 ms
Loss rate: 15.48%
-- Flow 2:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 66.198 ms
Loss rate: 27.10%
-- Flow 3:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 66.593 ms
Loss rate: 17.87%

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



Run 4: Statistics of TaoVA-100x

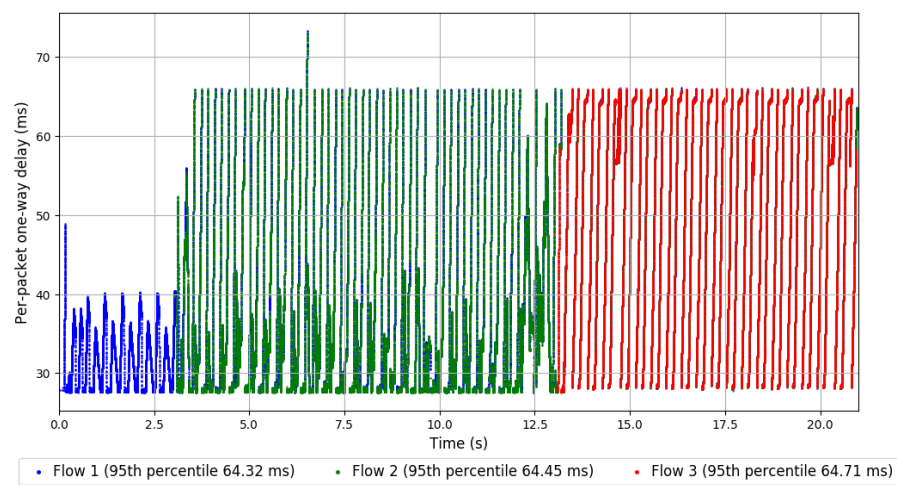
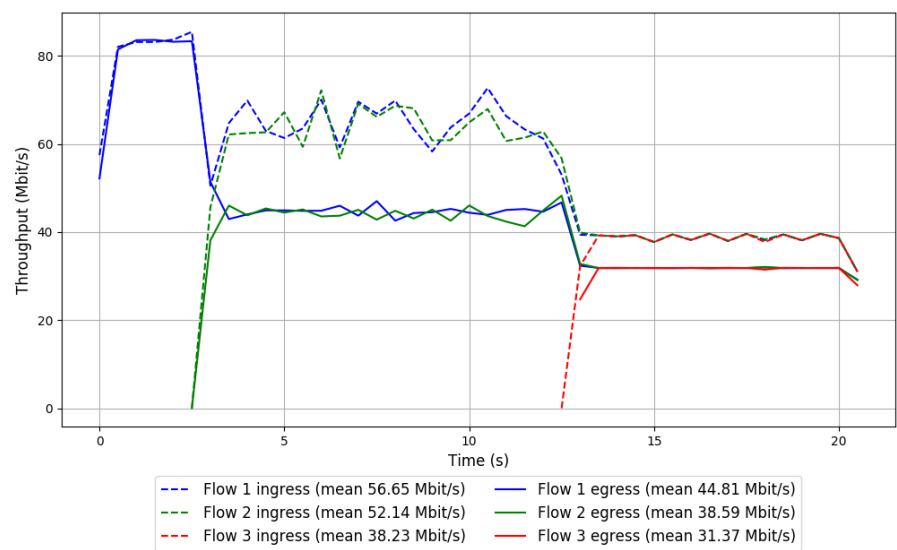
Start at: 2017-11-30 22:26:11

End at: 2017-11-30 22:26:41

Local clock offset: -0.228 ms

Remote clock offset: -3.997 ms

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



Run 5: Statistics of TaoVA-100x

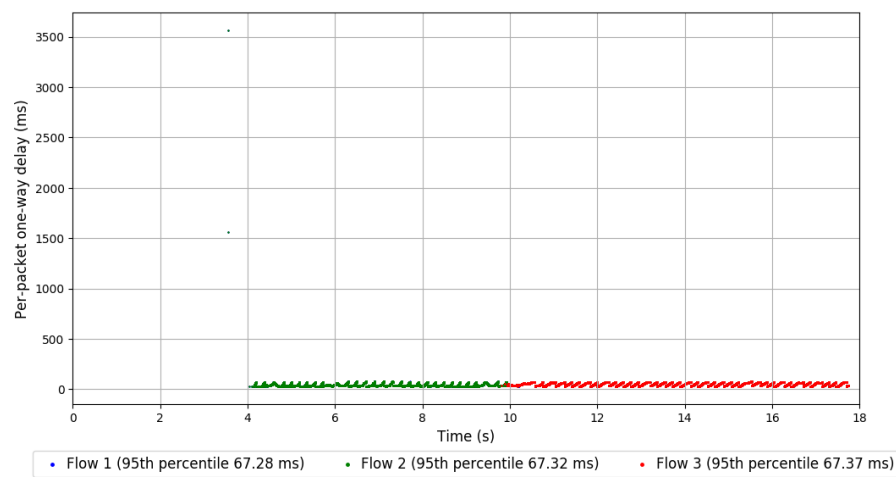
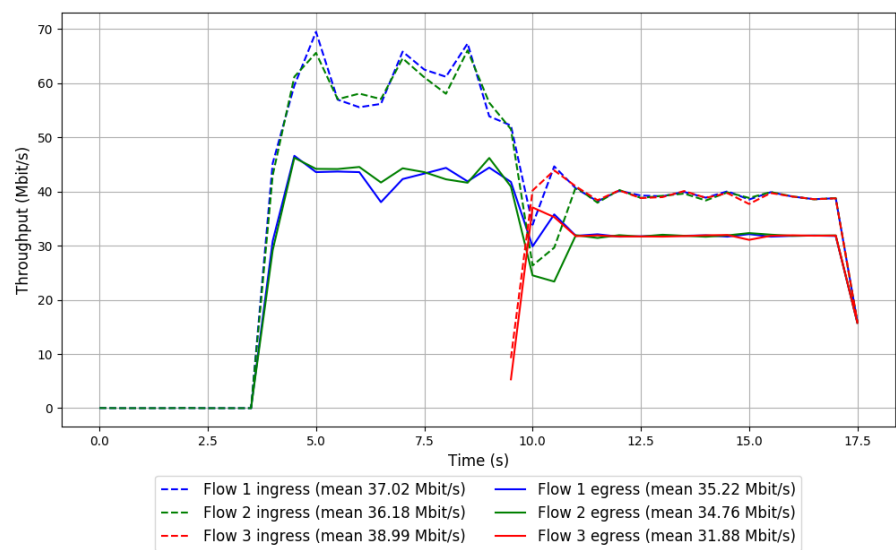
Start at: 2017-11-30 22:45:47

End at: 2017-11-30 22:46:17

Local clock offset: -0.185 ms

Remote clock offset: -1.929 ms

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



Run 6: Statistics of TaoVA-100x

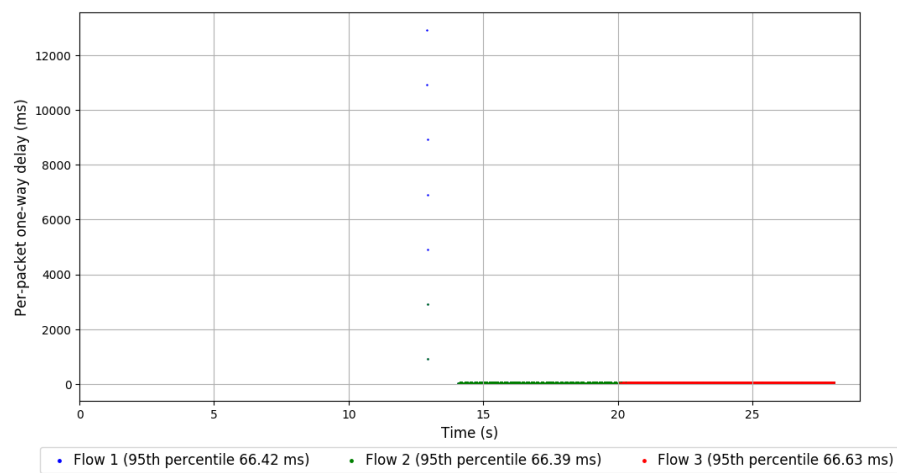
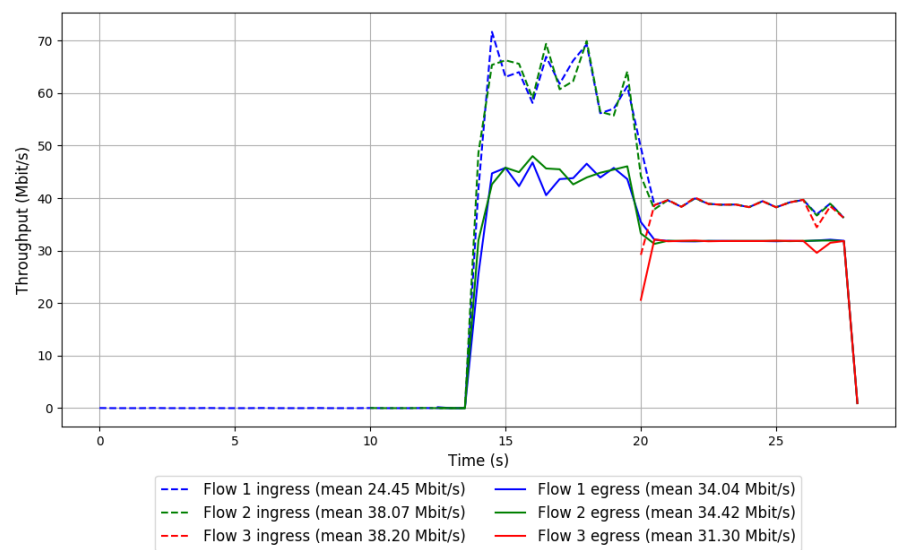
Start at: 2017-11-30 23:05:34

End at: 2017-11-30 23:06:04

Local clock offset: -0.283 ms

Remote clock offset: -2.166 ms

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



Run 7: Statistics of TaoVA-100x

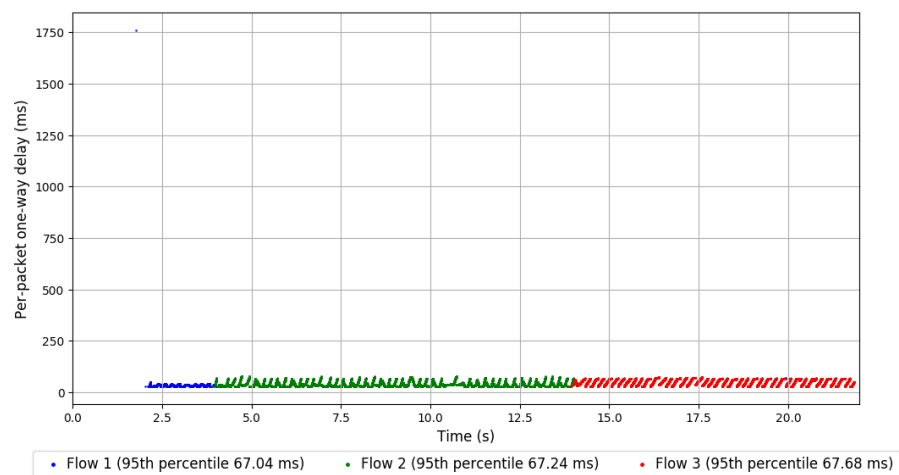
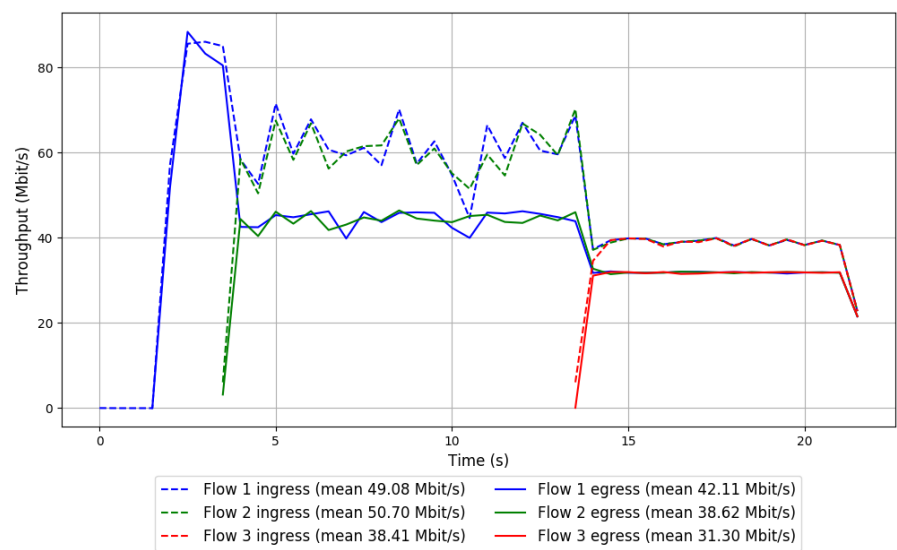
Start at: 2017-11-30 23:25:13

End at: 2017-11-30 23:25:43

Local clock offset: -0.283 ms

Remote clock offset: -1.889 ms

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



Run 8: Statistics of TaoVA-100x

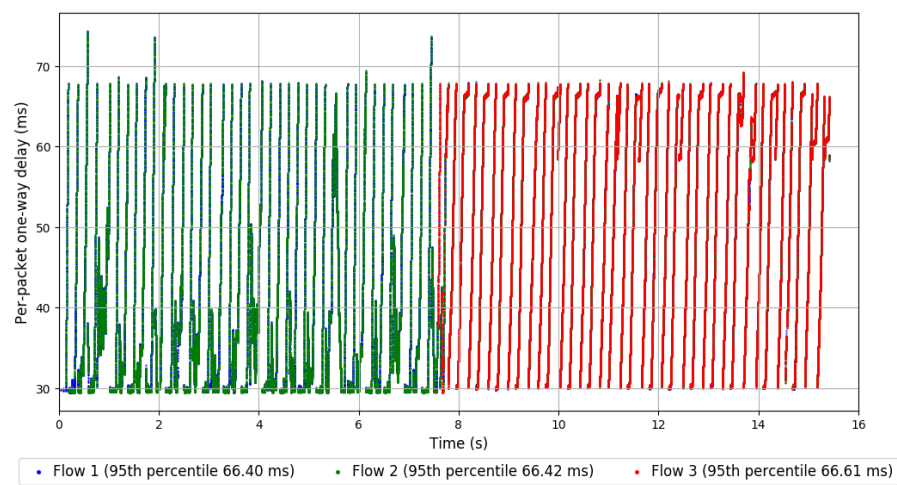
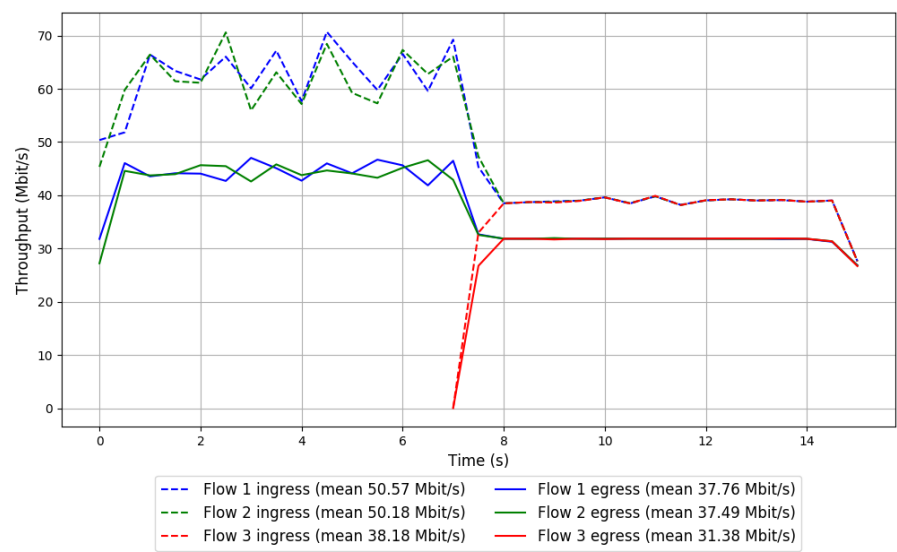
Start at: 2017-11-30 23:45:21

End at: 2017-11-30 23:45:51

Local clock offset: -0.156 ms

Remote clock offset: -2.512 ms

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



Run 9: Statistics of TaoVA-100x

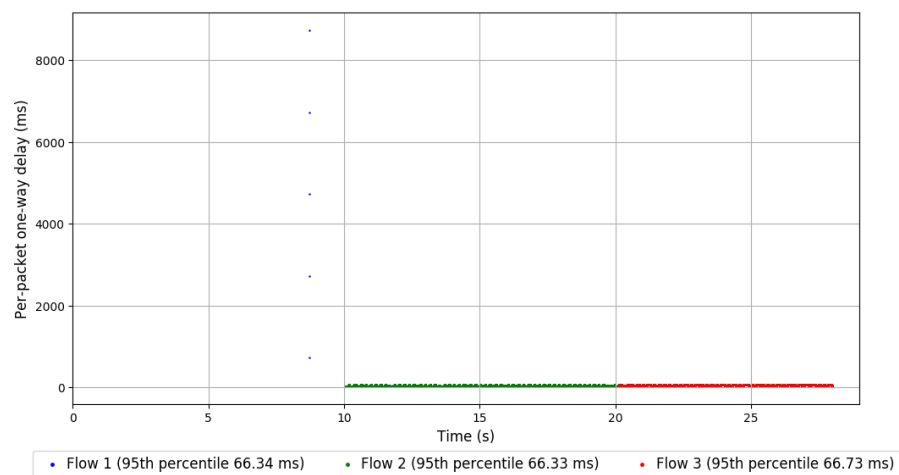
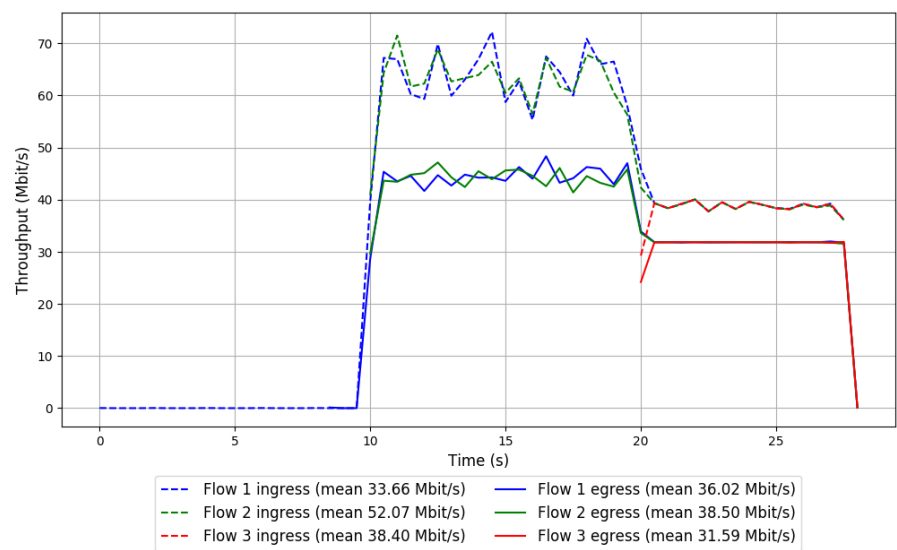
Start at: 2017-12-01 00:05:26

End at: 2017-12-01 00:05:56

Local clock offset: -0.168 ms

Remote clock offset: -2.495 ms

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



Run 10: Statistics of TaoVA-100x

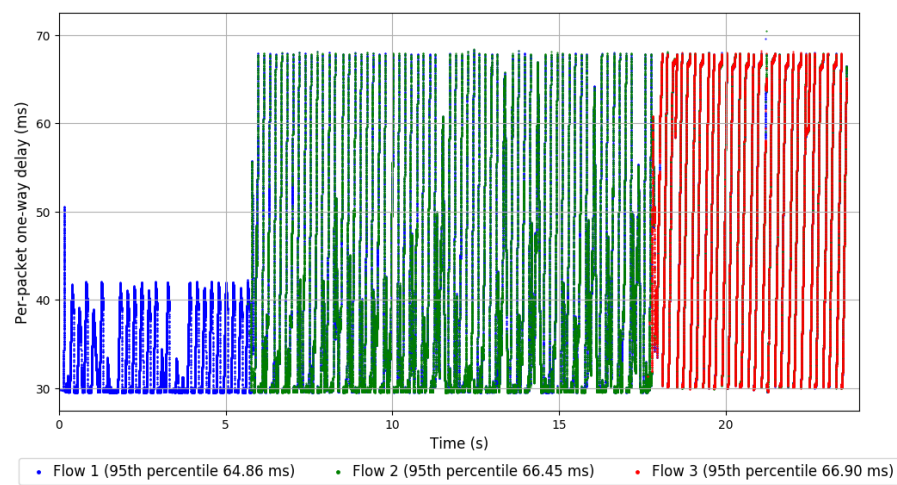
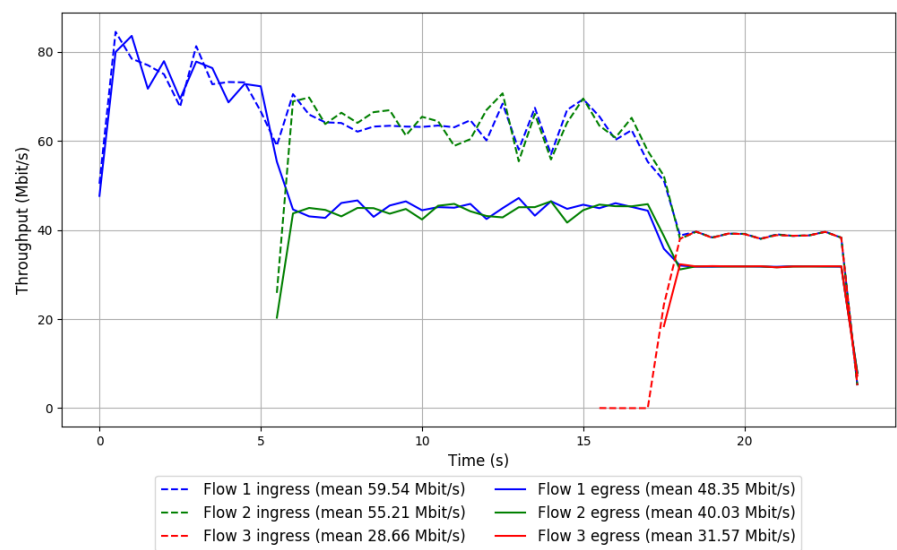
Start at: 2017-12-01 00:25:56

End at: 2017-12-01 00:26:26

Local clock offset: -0.322 ms

Remote clock offset: -2.805 ms

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

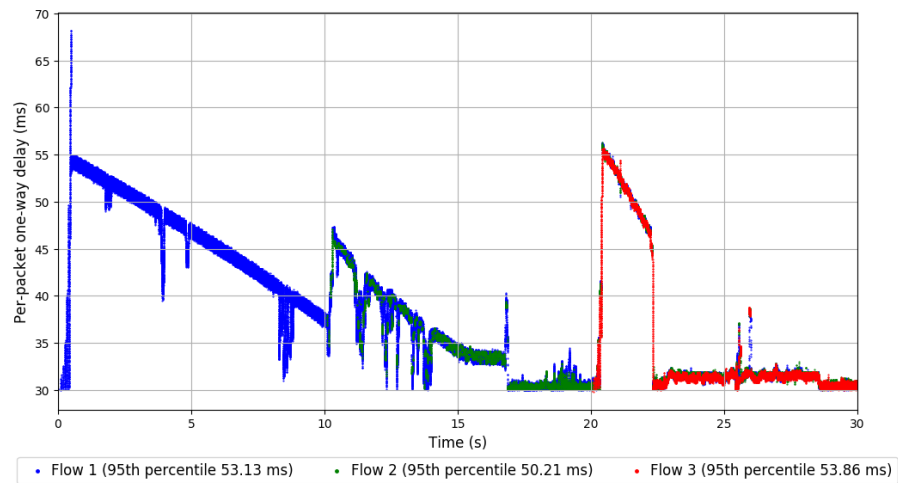
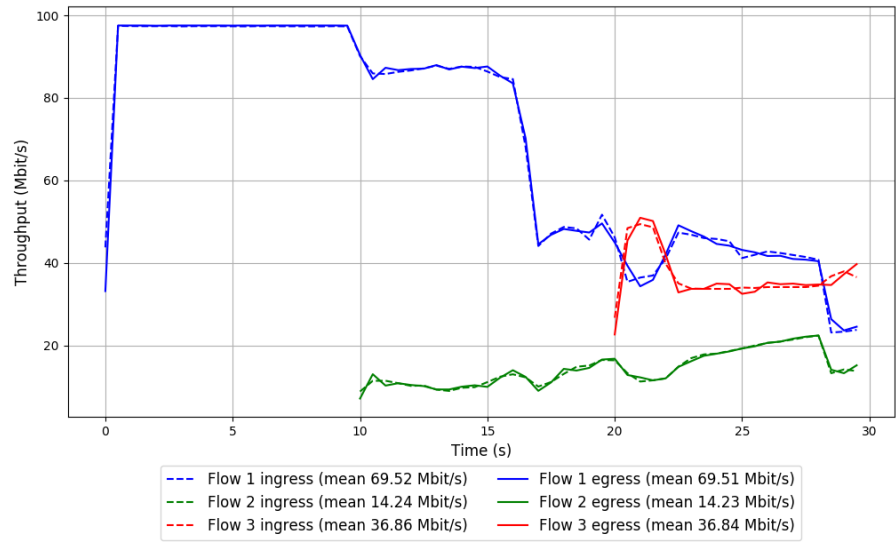


Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 21:19:49
End at: 2017-11-30 21:20:19
Local clock offset: -0.102 ms
Remote clock offset: -1.193 ms

Below is generated by plot.py at 2017-12-01 00:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 53.142 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 53.134 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 14.23 Mbit/s
95th percentile per-packet one-way delay: 50.211 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 36.84 Mbit/s
95th percentile per-packet one-way delay: 53.858 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

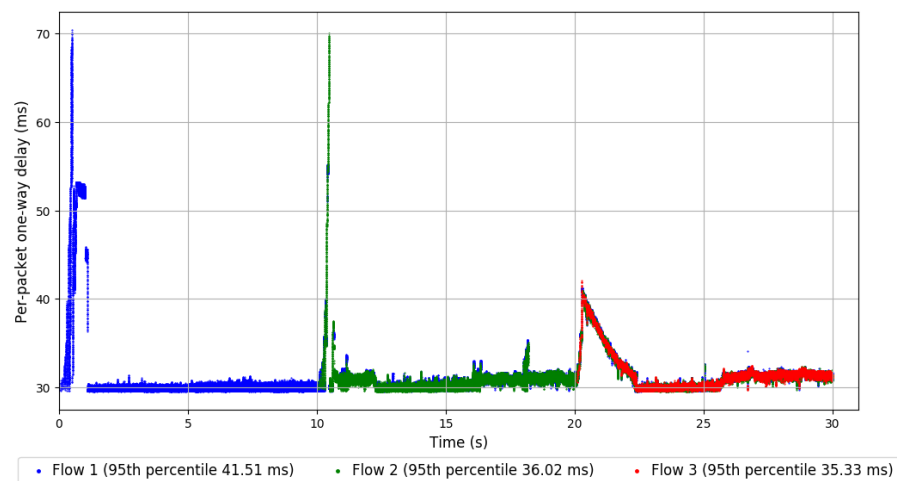
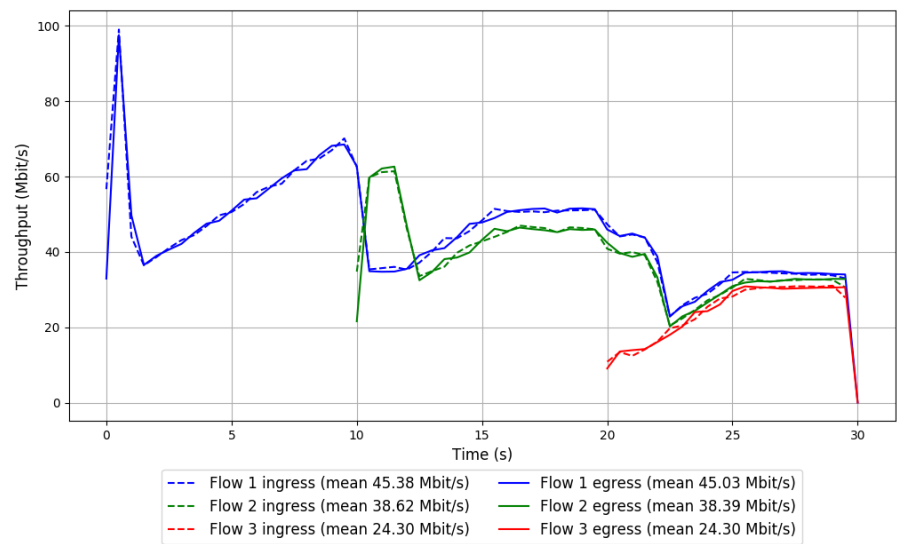


Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 21:39:27
End at: 2017-11-30 21:39:57
Local clock offset: -0.153 ms
Remote clock offset: -1.907 ms

Below is generated by plot.py at 2017-12-01 00:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.68 Mbit/s
95th percentile per-packet one-way delay: 37.974 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 41.507 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 36.021 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 35.333 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

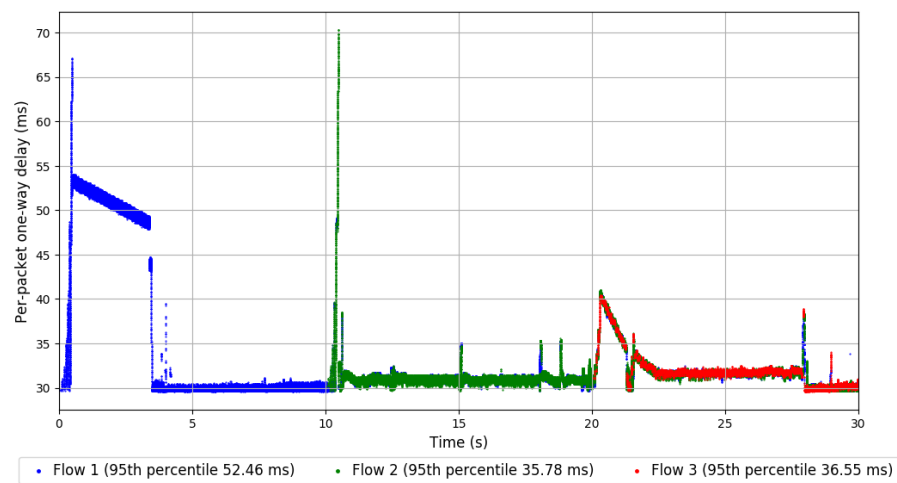
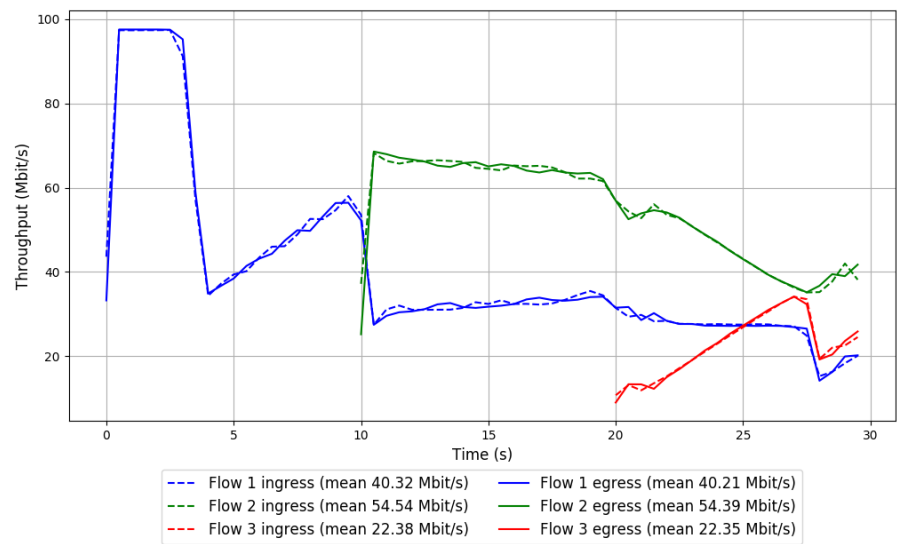


Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 21:58:32
End at: 2017-11-30 21:59:02
Local clock offset: -0.286 ms
Remote clock offset: -1.969 ms

Below is generated by plot.py at 2017-12-01 00:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 51.363 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 52.461 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 35.776 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 36.551 ms
Loss rate: 0.12%

Run 3: Report of TCP Vegas — Data Link

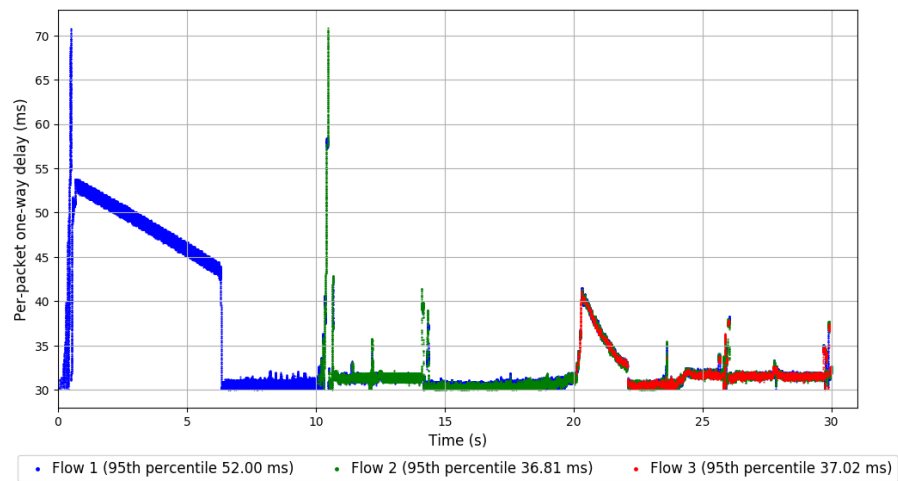
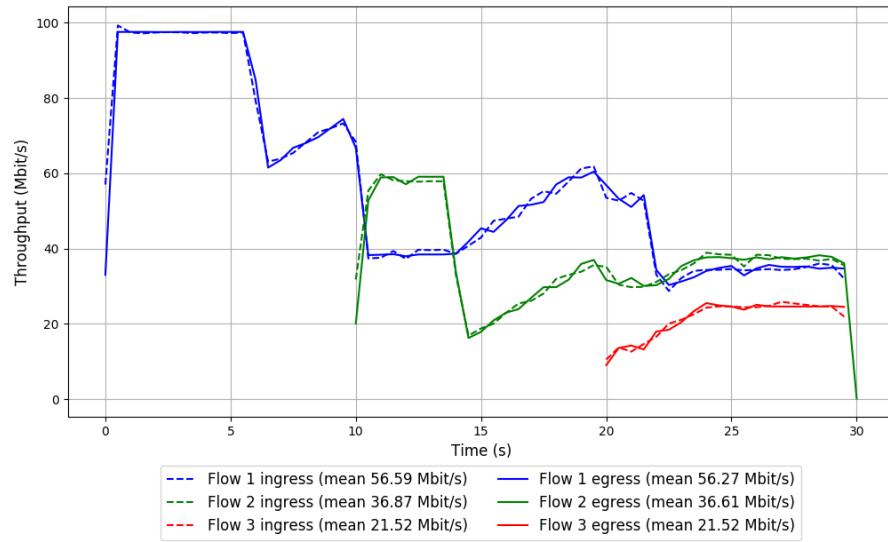


Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 22:17:49
End at: 2017-11-30 22:18:19
Local clock offset: -0.161 ms
Remote clock offset: -1.453 ms

Below is generated by plot.py at 2017-12-01 00:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 51.266 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 51.998 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 36.806 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 37.016 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

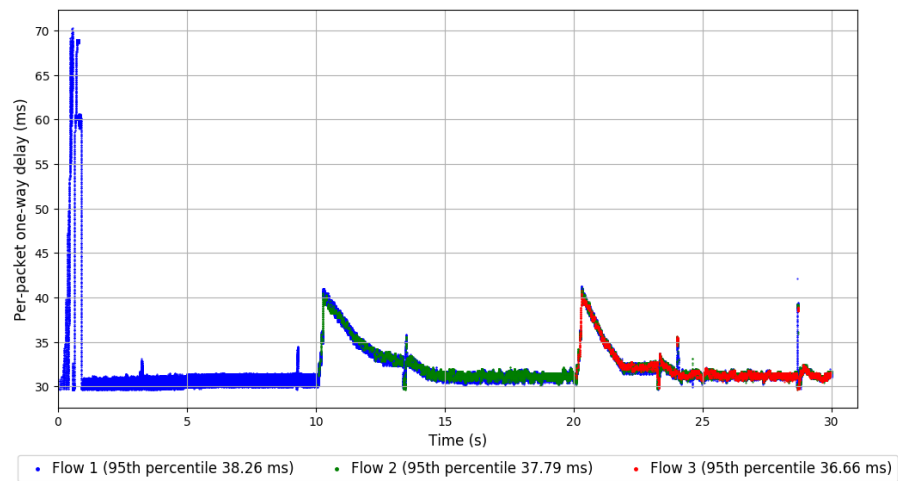
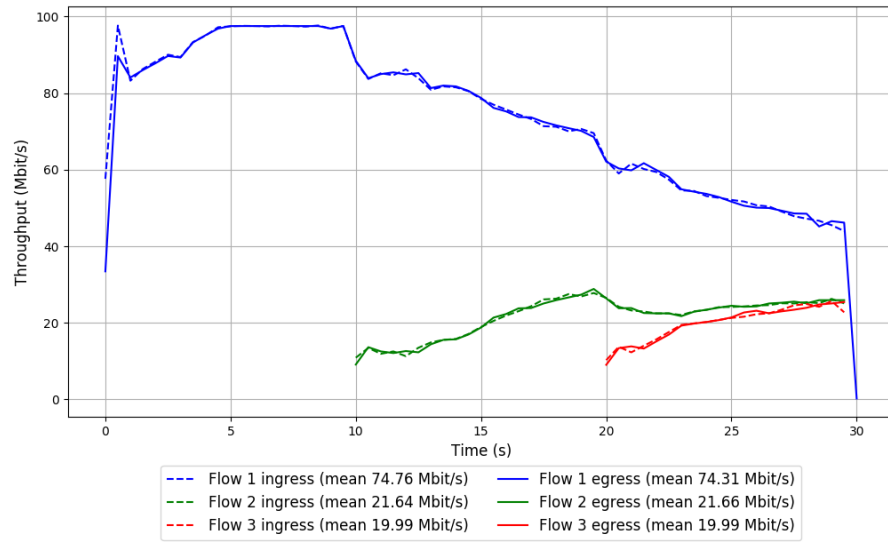


Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 22:37:24
End at: 2017-11-30 22:37:55
Local clock offset: -0.28 ms
Remote clock offset: -1.925 ms

Below is generated by plot.py at 2017-12-01 00:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 38.048 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 74.31 Mbit/s
95th percentile per-packet one-way delay: 38.260 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 37.791 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 36.662 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

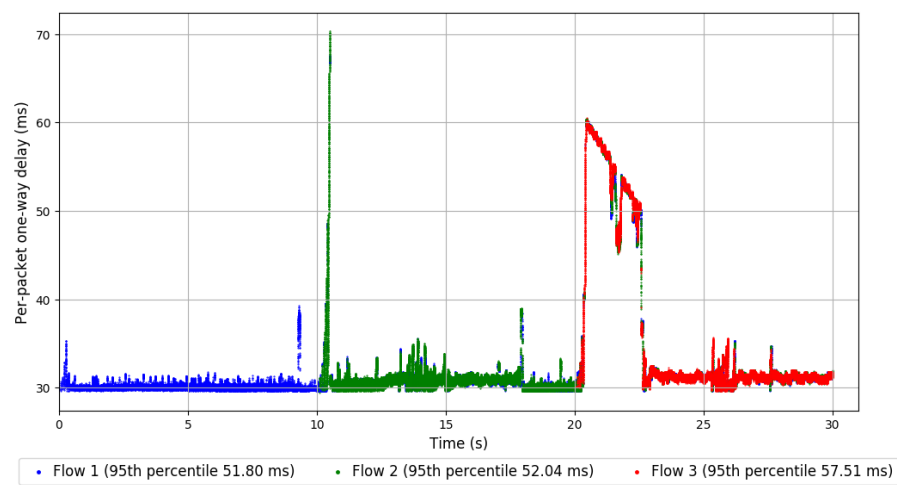
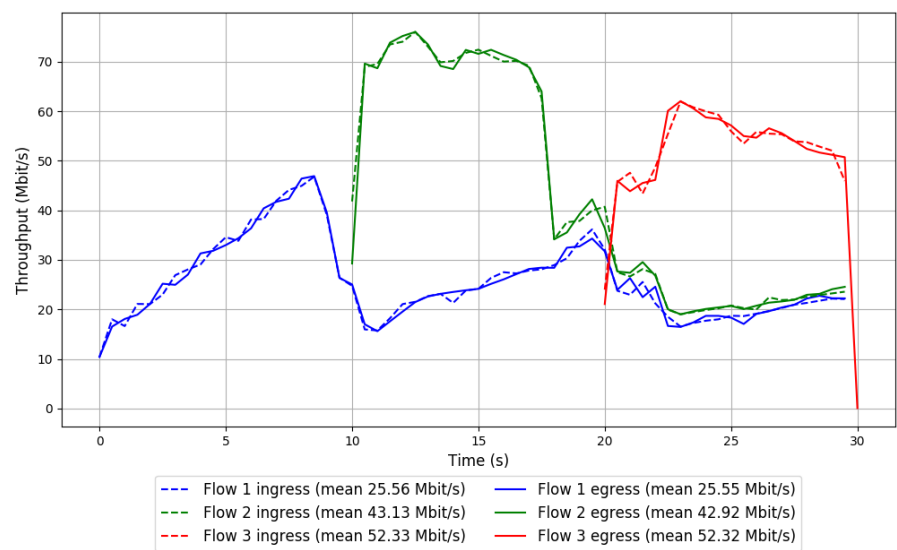


Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 22:57:09
End at: 2017-11-30 22:57:39
Local clock offset: -0.258 ms
Remote clock offset: -1.983 ms

Below is generated by plot.py at 2017-12-01 00:59:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 54.141 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 51.801 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 52.039 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 57.508 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

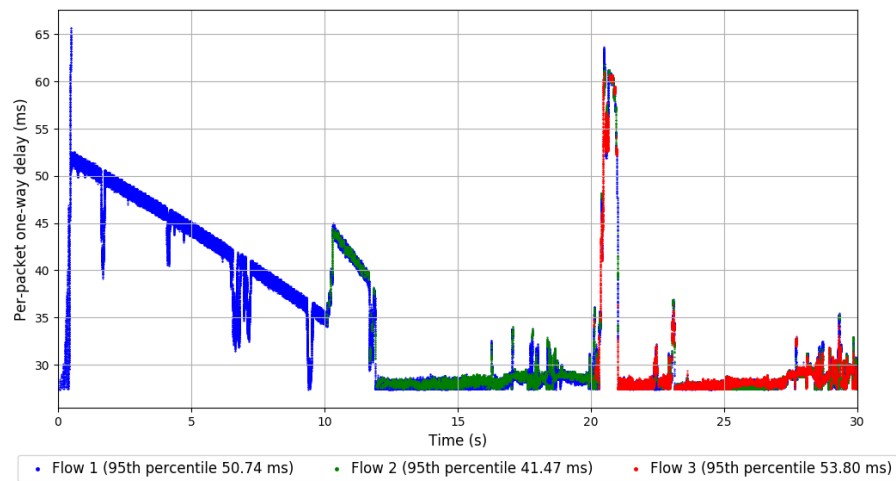
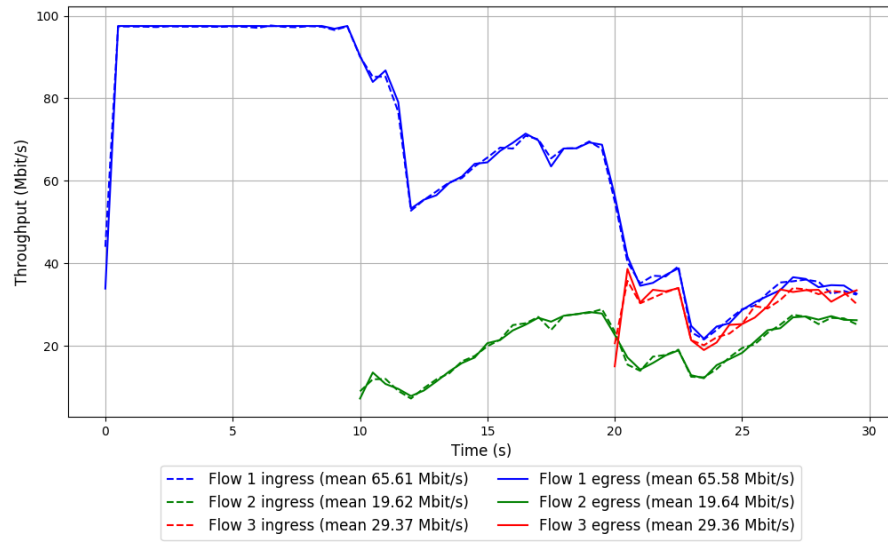


Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 23:16:48
End at: 2017-11-30 23:17:18
Local clock offset: -0.341 ms
Remote clock offset: -4.357 ms

Below is generated by plot.py at 2017-12-01 01:00:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 50.569 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 50.742 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 41.466 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 53.796 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

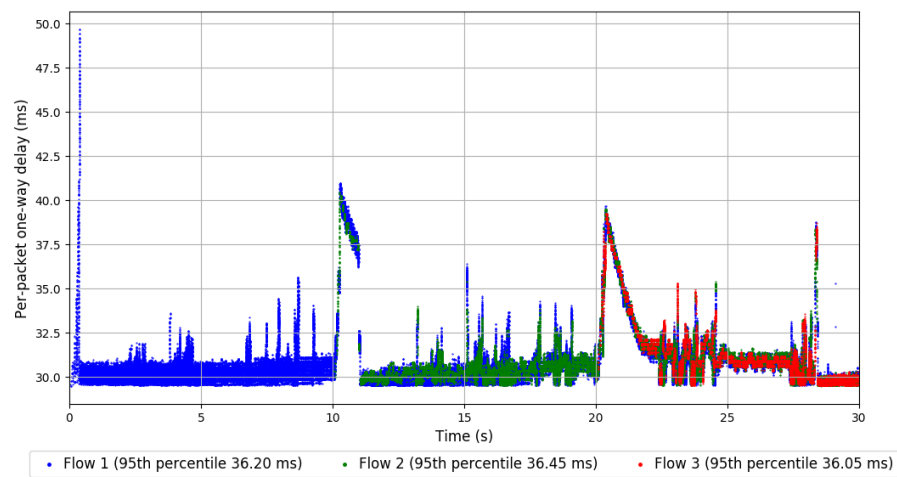
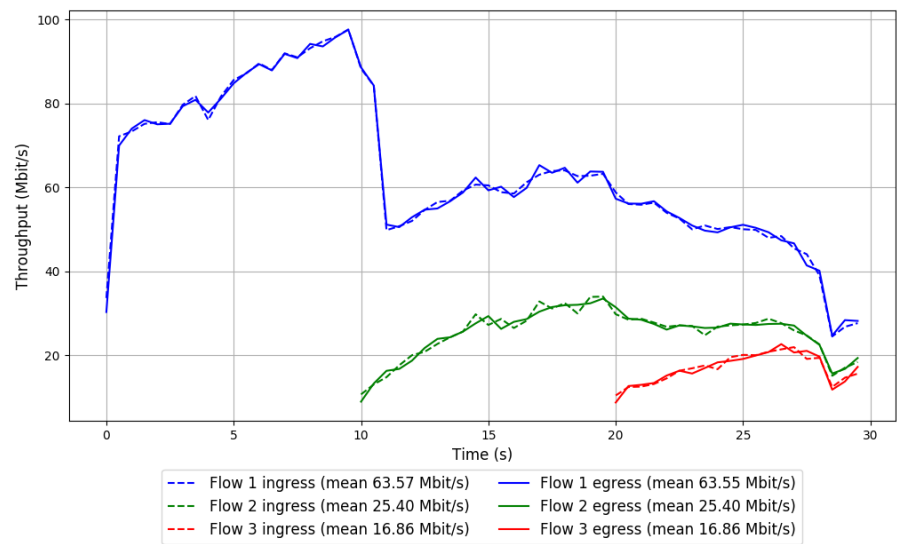


Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 23:36:48
End at: 2017-11-30 23:37:18
Local clock offset: -0.153 ms
Remote clock offset: -2.401 ms

Below is generated by plot.py at 2017-12-01 01:00:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 36.232 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 63.55 Mbit/s
95th percentile per-packet one-way delay: 36.196 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.40 Mbit/s
95th percentile per-packet one-way delay: 36.455 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 16.86 Mbit/s
95th percentile per-packet one-way delay: 36.052 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

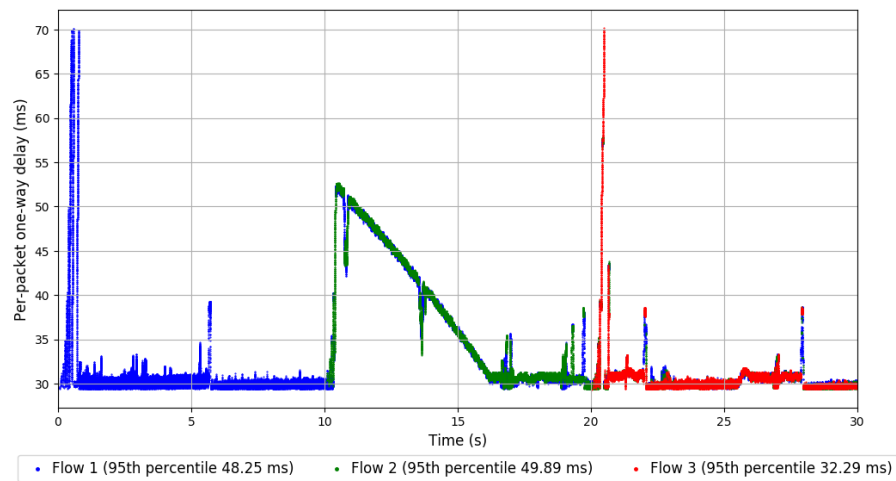
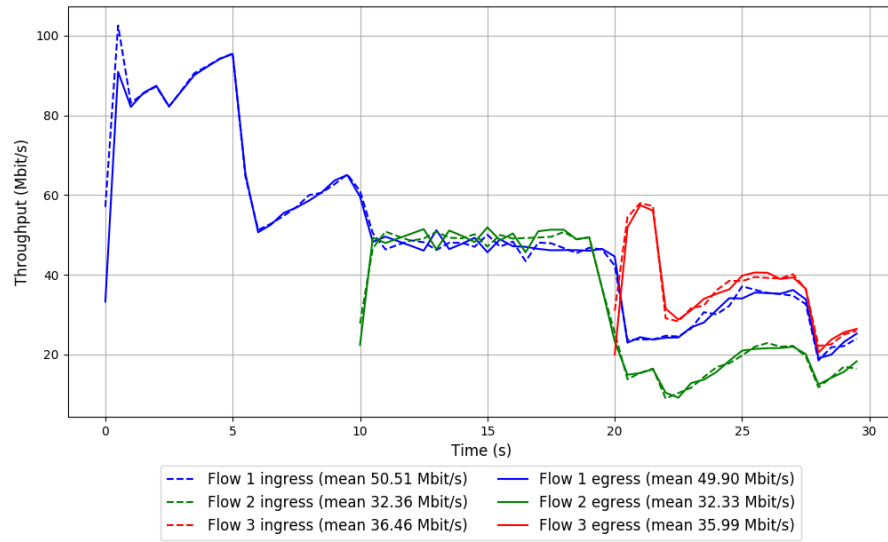


Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 23:57:00
End at: 2017-11-30 23:57:30
Local clock offset: -0.125 ms
Remote clock offset: -2.512 ms

Below is generated by plot.py at 2017-12-01 01:00:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.34 Mbit/s
95th percentile per-packet one-way delay: 48.657 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 48.246 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 49.886 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 32.286 ms
Loss rate: 1.47%

Run 9: Report of TCP Vegas — Data Link

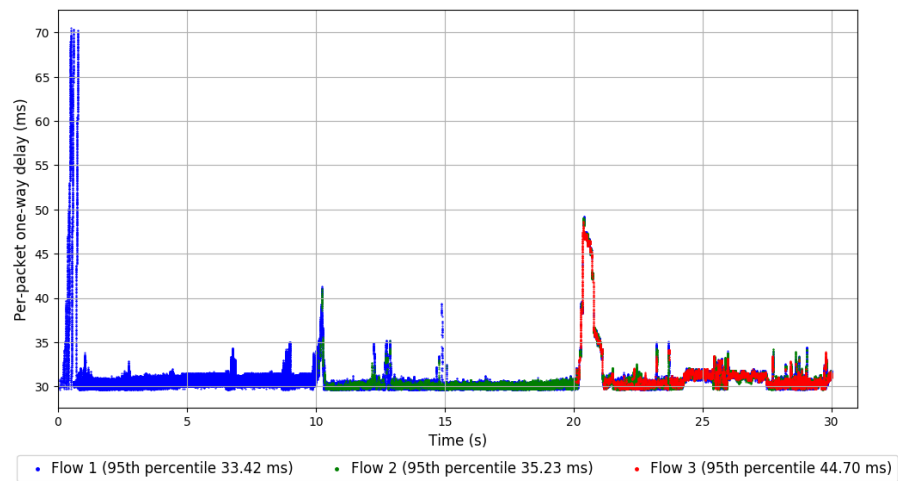
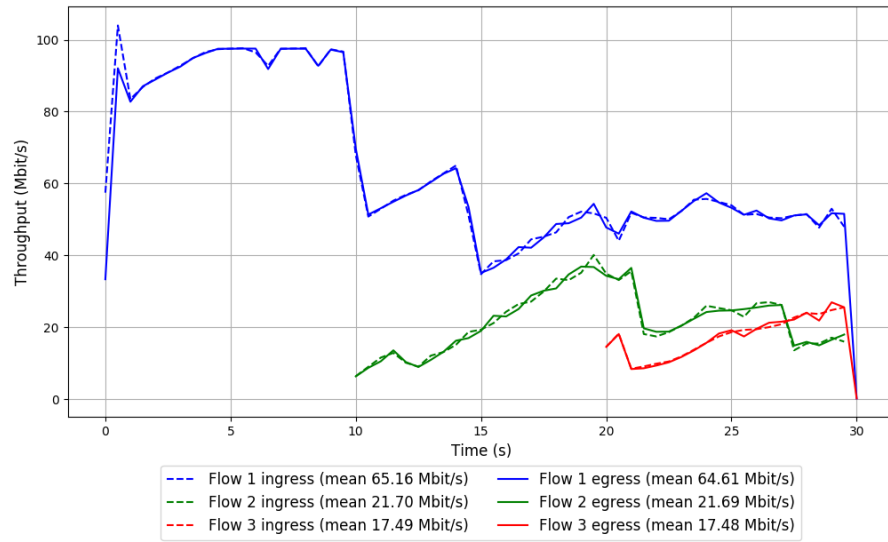


Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 00:17:18
End at: 2017-12-01 00:17:48
Local clock offset: -0.259 ms
Remote clock offset: -2.644 ms

Below is generated by plot.py at 2017-12-01 01:00:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 33.960 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 33.416 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 35.235 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 44.697 ms
Loss rate: 0.07%

Run 10: Report of TCP Vegas — Data Link

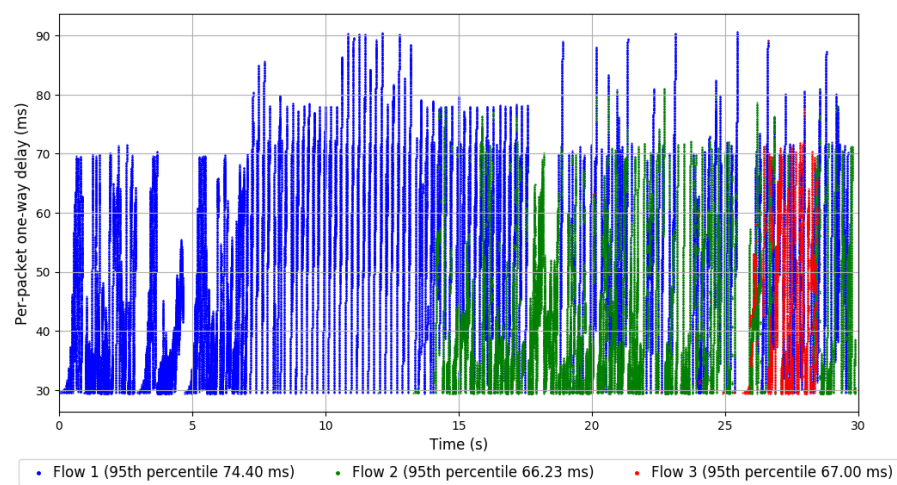
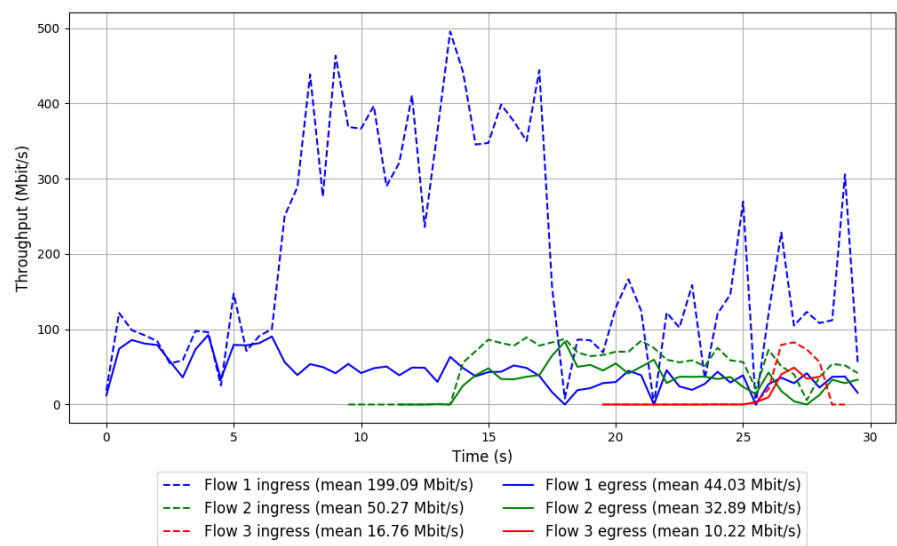


Run 1: Statistics of Verus

Start at: 2017-11-30 21:14:11
End at: 2017-11-30 21:14:41
Local clock offset: -0.019 ms
Remote clock offset: -1.631 ms

Below is generated by plot.py at 2017-12-01 01:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 71.755 ms
Loss rate: 71.92%
-- Flow 1:
Average throughput: 44.03 Mbit/s
95th percentile per-packet one-way delay: 74.396 ms
Loss rate: 77.87%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 66.235 ms
Loss rate: 41.16%
-- Flow 3:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 66.999 ms
Loss rate: 45.26%

Run 1: Report of Verus — Data Link

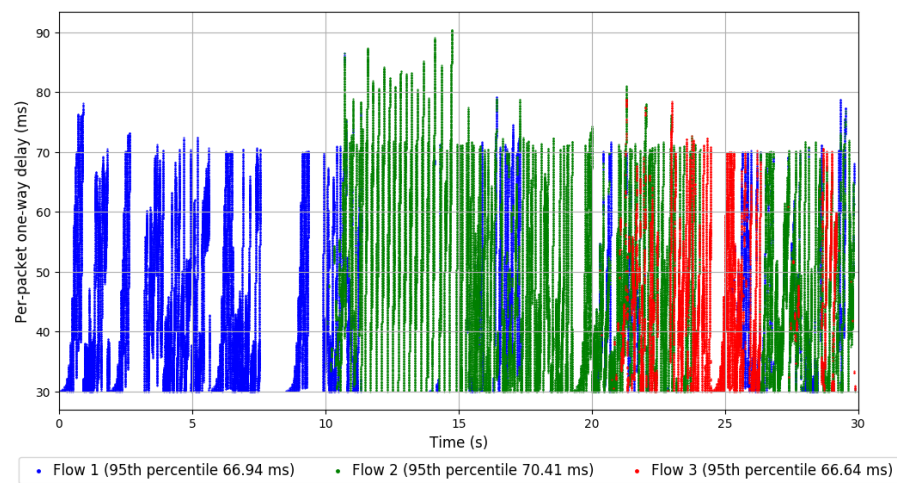
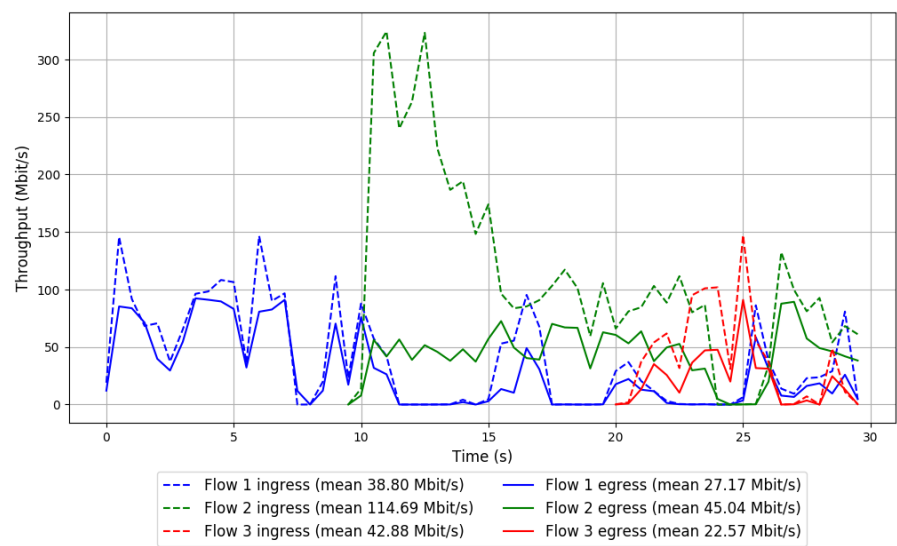


Run 2: Statistics of Verus

Start at: 2017-11-30 21:34:00
End at: 2017-11-30 21:34:30
Local clock offset: -0.146 ms
Remote clock offset: -1.454 ms

Below is generated by plot.py at 2017-12-01 01:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 68.678 ms
Loss rate: 50.07%
-- Flow 1:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 66.945 ms
Loss rate: 29.98%
-- Flow 2:
Average throughput: 45.04 Mbit/s
95th percentile per-packet one-way delay: 70.405 ms
Loss rate: 60.73%
-- Flow 3:
Average throughput: 22.57 Mbit/s
95th percentile per-packet one-way delay: 66.639 ms
Loss rate: 47.46%

Run 2: Report of Verus — Data Link

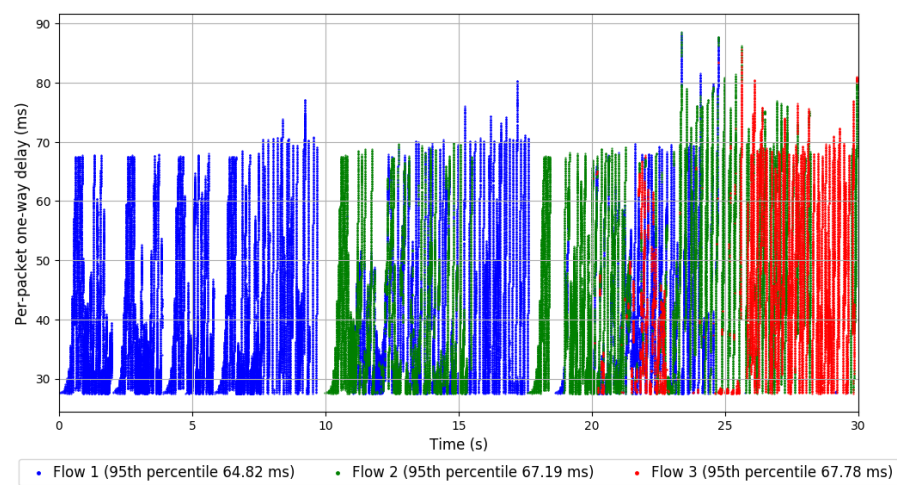
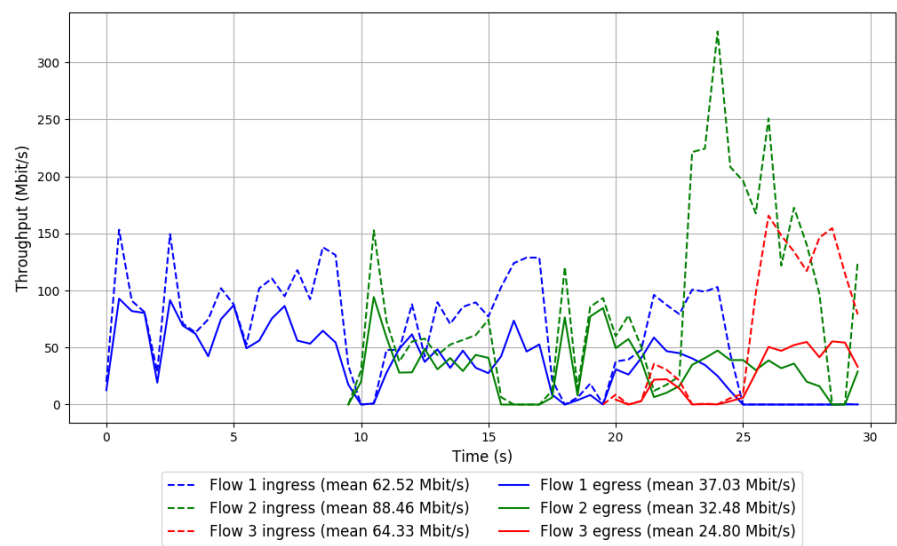


Run 3: Statistics of Verus

Start at: 2017-11-30 21:53:08
End at: 2017-11-30 21:53:38
Local clock offset: -0.178 ms
Remote clock offset: -3.976 ms

Below is generated by plot.py at 2017-12-01 01:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.47 Mbit/s
95th percentile per-packet one-way delay: 66.201 ms
Loss rate: 53.20%
-- Flow 1:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 64.817 ms
Loss rate: 40.88%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 67.185 ms
Loss rate: 63.19%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 67.781 ms
Loss rate: 61.38%

Run 3: Report of Verus — Data Link

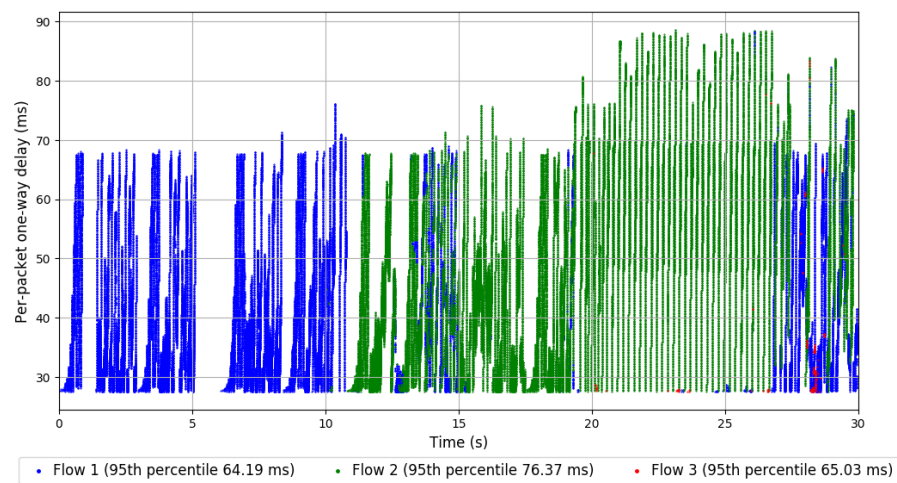
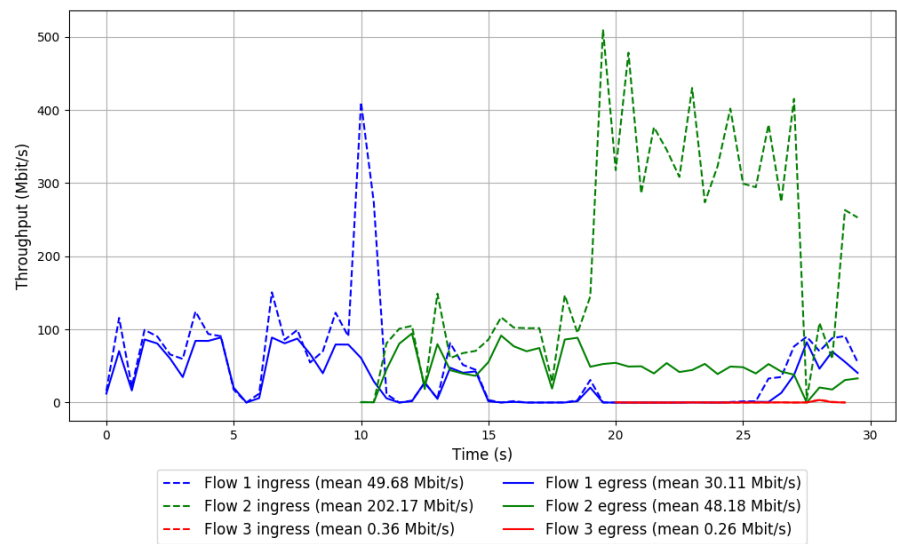


Run 4: Statistics of Verus

Start at: 2017-11-30 22:12:19
End at: 2017-11-30 22:12:49
Local clock offset: -0.252 ms
Remote clock offset: -4.008 ms

Below is generated by plot.py at 2017-12-01 01:01:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 69.782 ms
Loss rate: 66.15%
-- Flow 1:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 64.188 ms
Loss rate: 39.40%
-- Flow 2:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 76.367 ms
Loss rate: 76.14%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 65.033 ms
Loss rate: 27.97%

Run 4: Report of Verus — Data Link

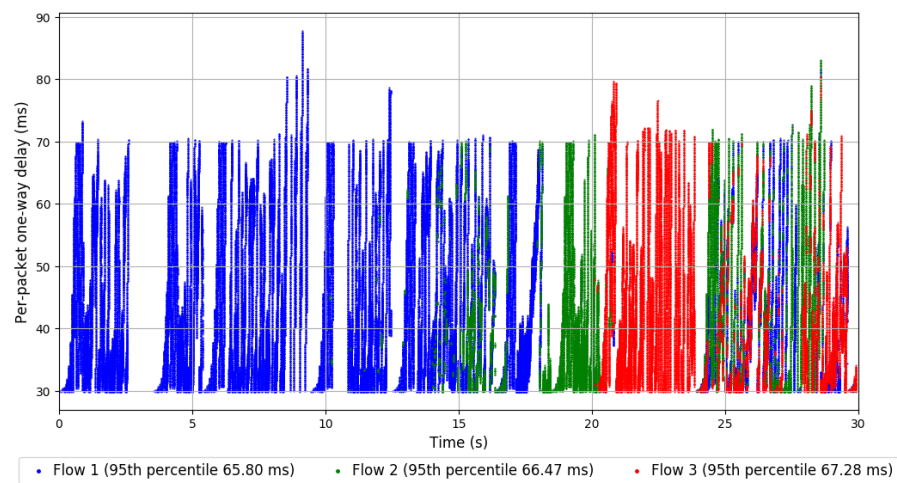
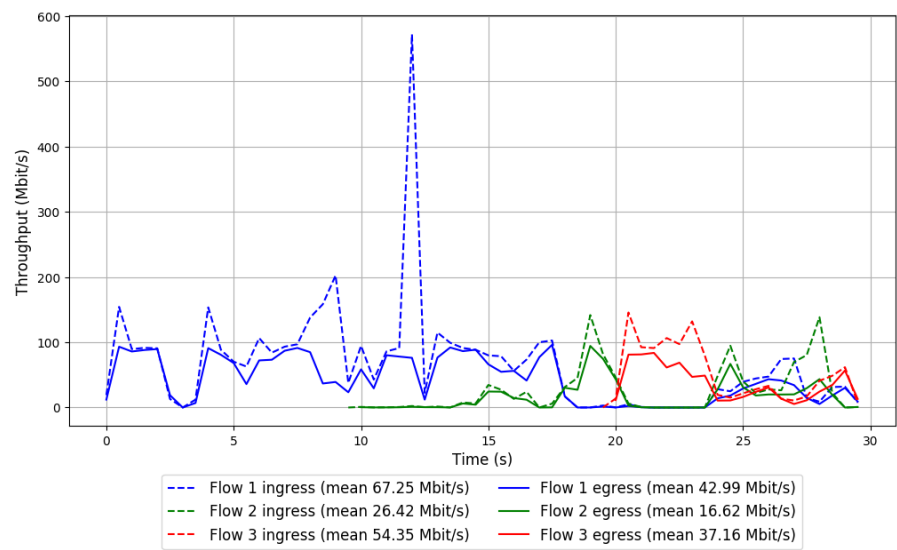


Run 5: Statistics of Verus

Start at: 2017-11-30 22:31:59
End at: 2017-11-30 22:32:29
Local clock offset: -0.178 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2017-12-01 01:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.29 Mbit/s
95th percentile per-packet one-way delay: 66.175 ms
Loss rate: 35.49%
-- Flow 1:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 65.802 ms
Loss rate: 36.07%
-- Flow 2:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 66.469 ms
Loss rate: 37.15%
-- Flow 3:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 67.284 ms
Loss rate: 31.67%

Run 5: Report of Verus — Data Link

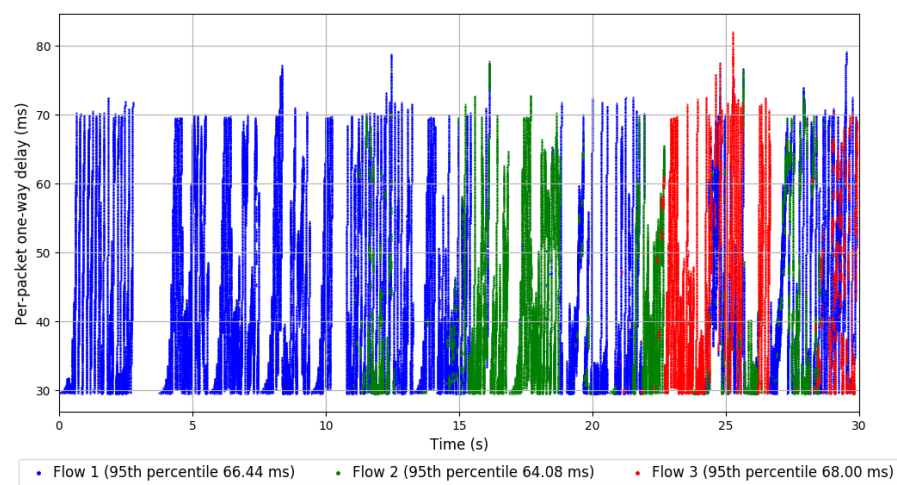
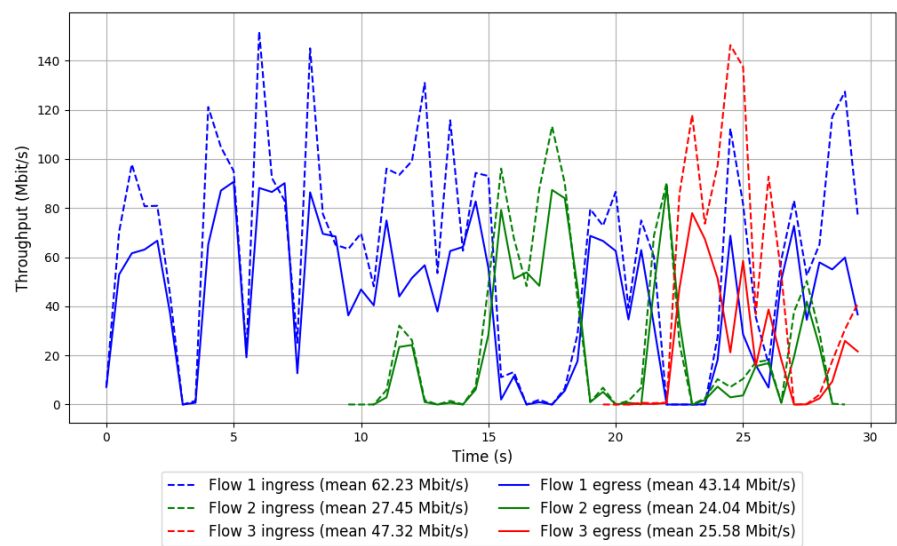


Run 6: Statistics of Verus

Start at: 2017-11-30 22:51:32
End at: 2017-11-30 22:52:02
Local clock offset: -0.166 ms
Remote clock offset: -1.965 ms

Below is generated by plot.py at 2017-12-01 01:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 66.302 ms
Loss rate: 31.90%
-- Flow 1:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 66.440 ms
Loss rate: 30.60%
-- Flow 2:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 64.084 ms
Loss rate: 19.33%
-- Flow 3:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 68.004 ms
Loss rate: 51.20%

Run 6: Report of Verus — Data Link

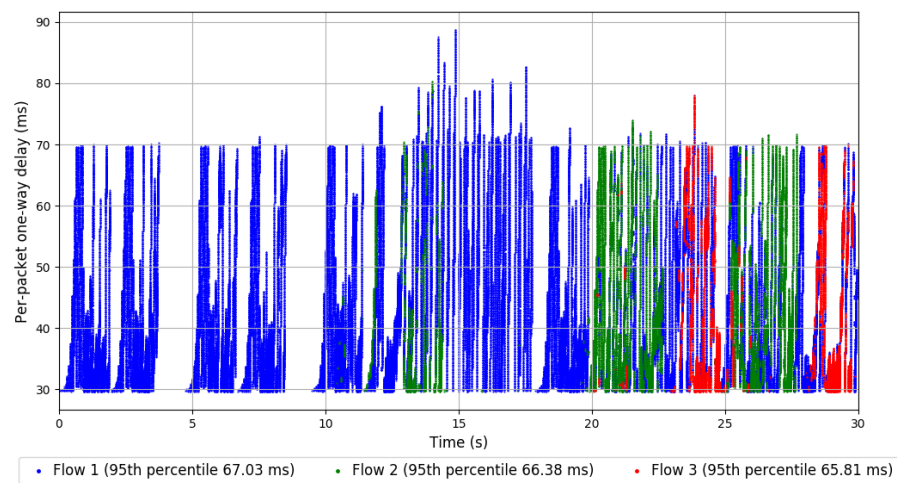
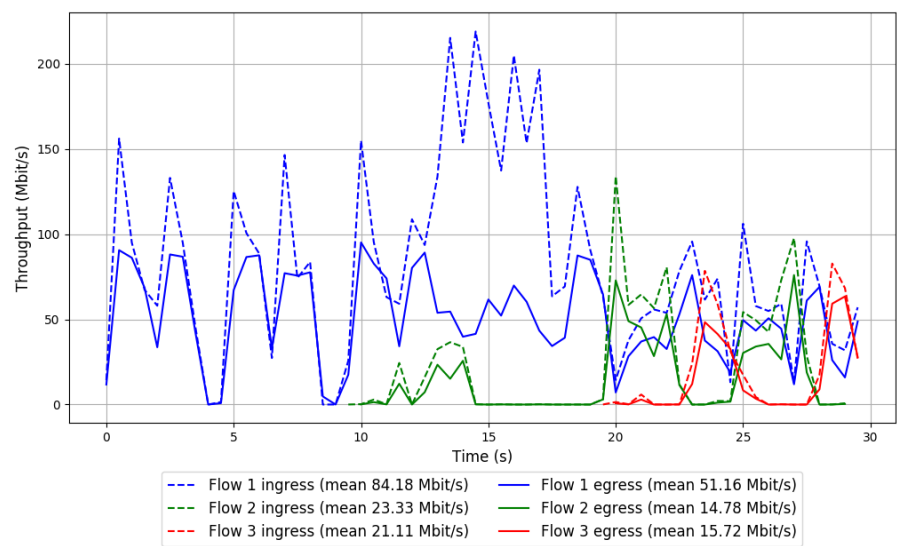


Run 7: Statistics of Verus

Start at: 2017-11-30 23:11:15
End at: 2017-11-30 23:11:45
Local clock offset: -0.333 ms
Remote clock offset: -2.148 ms

Below is generated by plot.py at 2017-12-01 01:01:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 66.838 ms
Loss rate: 37.99%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 67.031 ms
Loss rate: 39.20%
-- Flow 2:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 66.376 ms
Loss rate: 36.84%
-- Flow 3:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 65.808 ms
Loss rate: 25.91%

Run 7: Report of Verus — Data Link

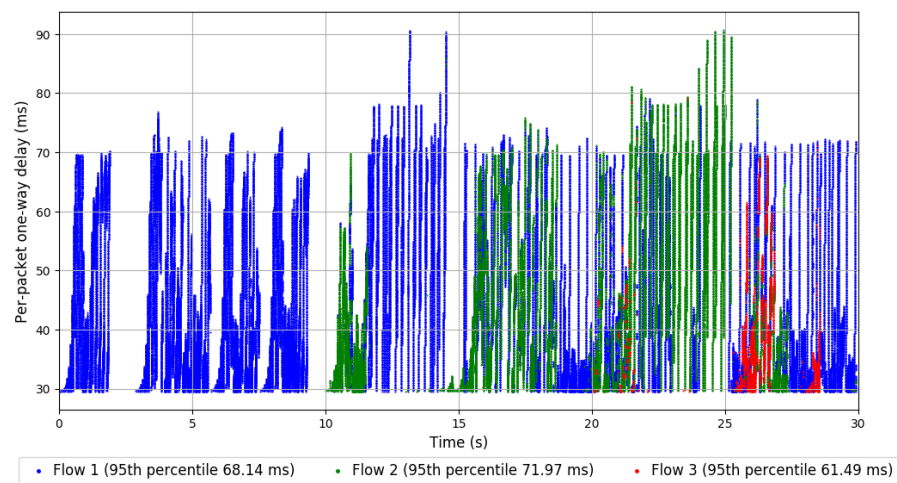
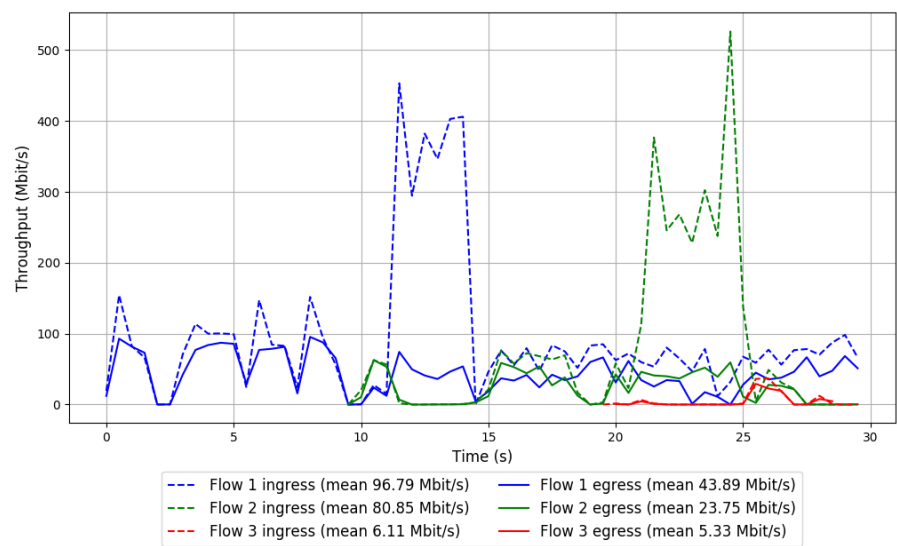


Run 8: Statistics of Verus

Start at: 2017-11-30 23:31:00
End at: 2017-11-30 23:31:30
Local clock offset: -0.175 ms
Remote clock offset: -2.343 ms

Below is generated by plot.py at 2017-12-01 01:01:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 68.908 ms
Loss rate: 59.87%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 68.140 ms
Loss rate: 54.65%
-- Flow 2:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 71.967 ms
Loss rate: 70.62%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 61.493 ms
Loss rate: 21.94%

Run 8: Report of Verus — Data Link

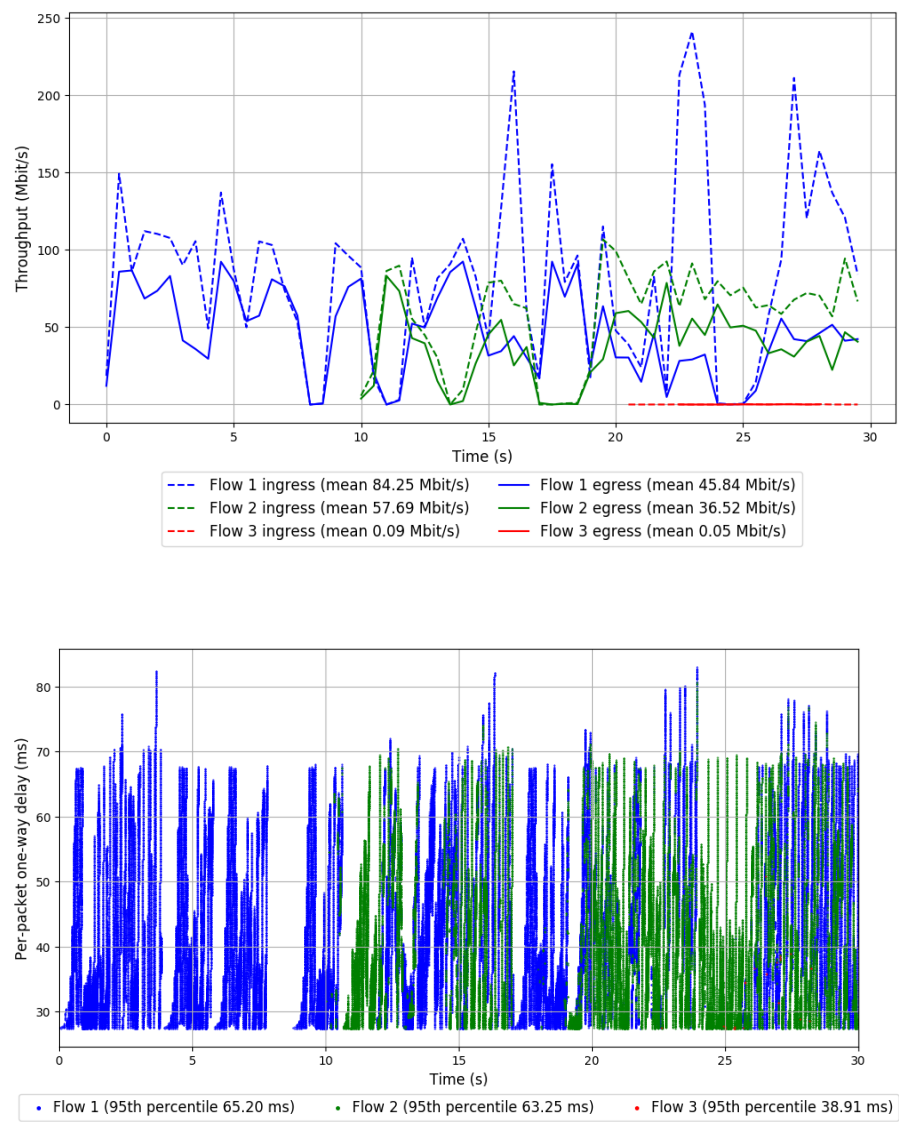


Run 9: Statistics of Verus

Start at: 2017-11-30 23:51:15
End at: 2017-11-30 23:51:45
Local clock offset: -0.163 ms
Remote clock offset: -4.536 ms

Below is generated by plot.py at 2017-12-01 01:01:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 64.598 ms
Loss rate: 42.74%
-- Flow 1:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 65.205 ms
Loss rate: 45.52%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 63.250 ms
Loss rate: 36.60%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 38.913 ms
Loss rate: 63.24%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-01 00:11:31

End at: 2017-12-01 00:12:01

Local clock offset: -0.253 ms

Remote clock offset: -2.21 ms

Below is generated by plot.py at 2017-12-01 01:01:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.19 Mbit/s

95th percentile per-packet one-way delay: 67.434 ms

Loss rate: 37.87%

-- Flow 1:

Average throughput: 38.89 Mbit/s

95th percentile per-packet one-way delay: 66.303 ms

Loss rate: 25.46%

-- Flow 2:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 68.906 ms

Loss rate: 48.34%

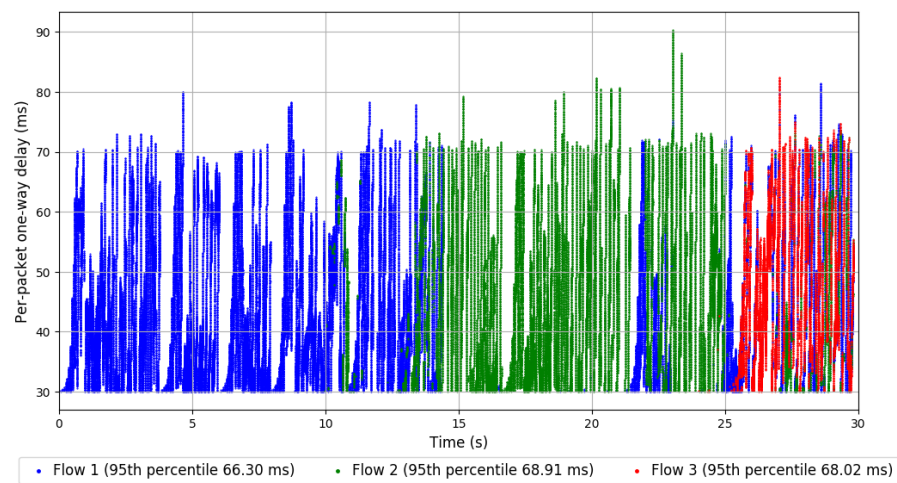
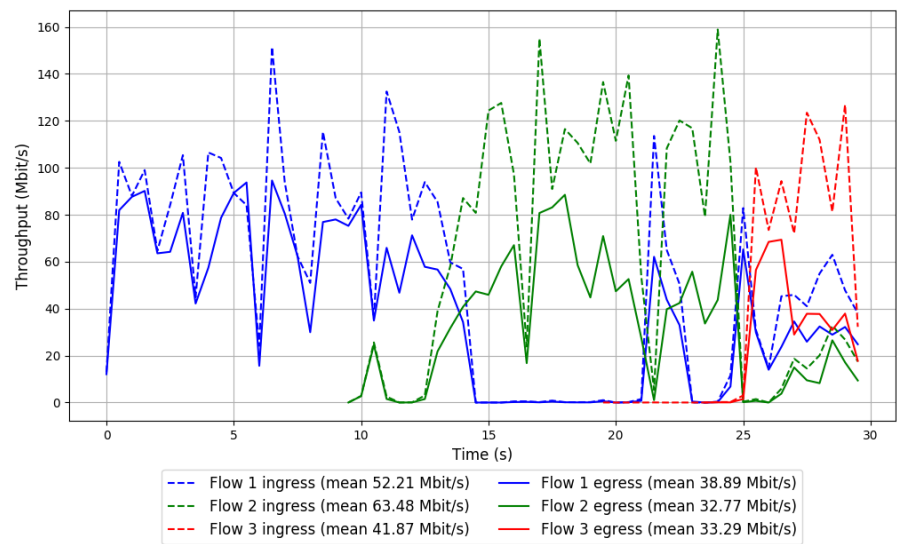
-- Flow 3:

Average throughput: 33.29 Mbit/s

95th percentile per-packet one-way delay: 68.024 ms

Loss rate: 52.78%

Run 10: Report of Verus — Data Link

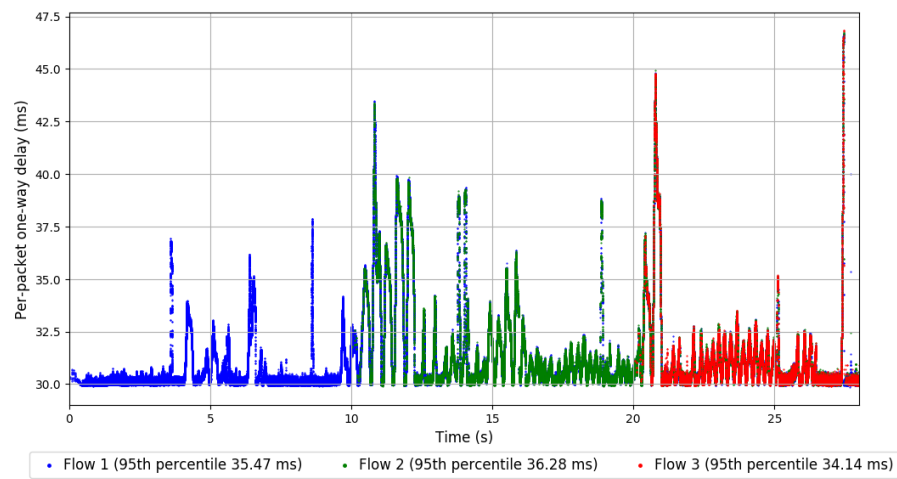
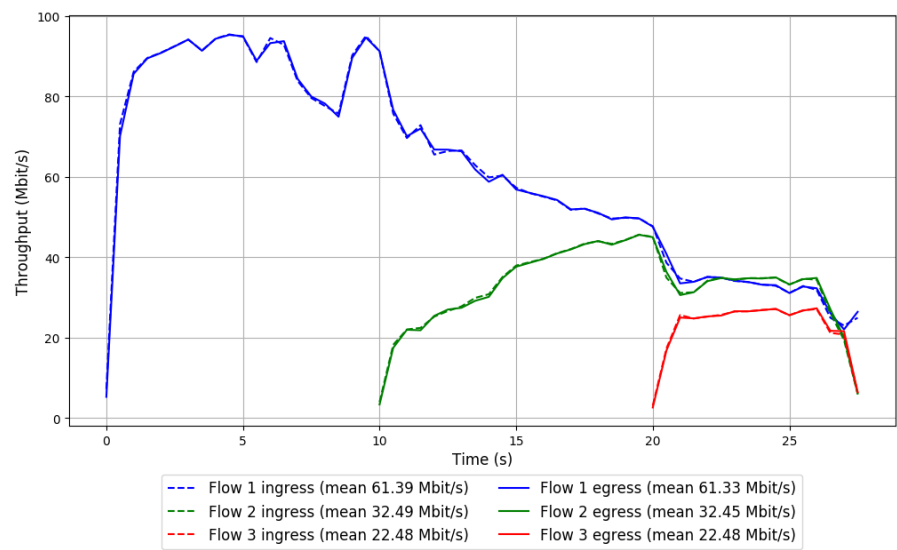


Run 1: Statistics of Copa

Start at: 2017-11-30 21:22:35
End at: 2017-11-30 21:23:05
Local clock offset: -0.105 ms
Remote clock offset: -1.364 ms

Below is generated by plot.py at 2017-12-01 01:03:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 35.572 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 35.473 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 36.282 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 22.48 Mbit/s
95th percentile per-packet one-way delay: 34.144 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-11-30 21:42:07

End at: 2017-11-30 21:42:37

Local clock offset: -0.269 ms

Remote clock offset: -3.99 ms

Below is generated by plot.py at 2017-12-01 01:03:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.87 Mbit/s

95th percentile per-packet one-way delay: 33.848 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 61.64 Mbit/s

95th percentile per-packet one-way delay: 33.859 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 33.814 ms

Loss rate: 0.00%

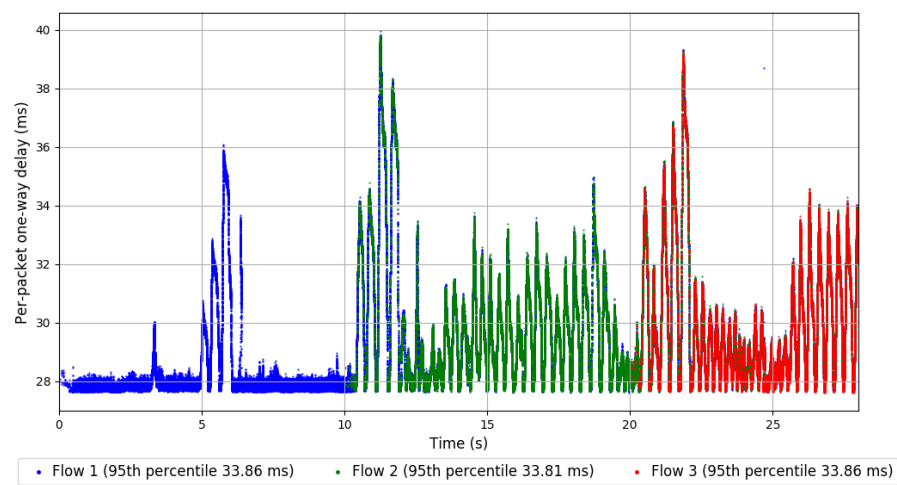
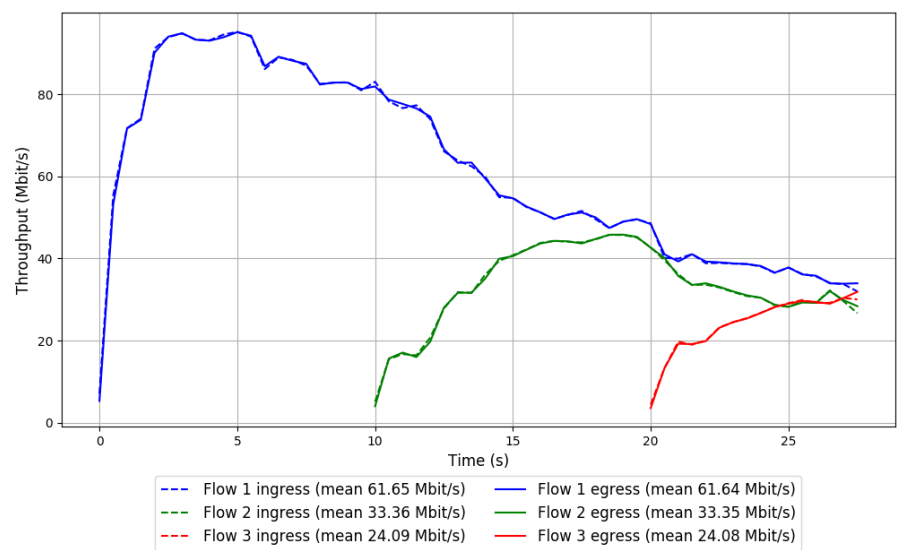
-- Flow 3:

Average throughput: 24.08 Mbit/s

95th percentile per-packet one-way delay: 33.863 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link

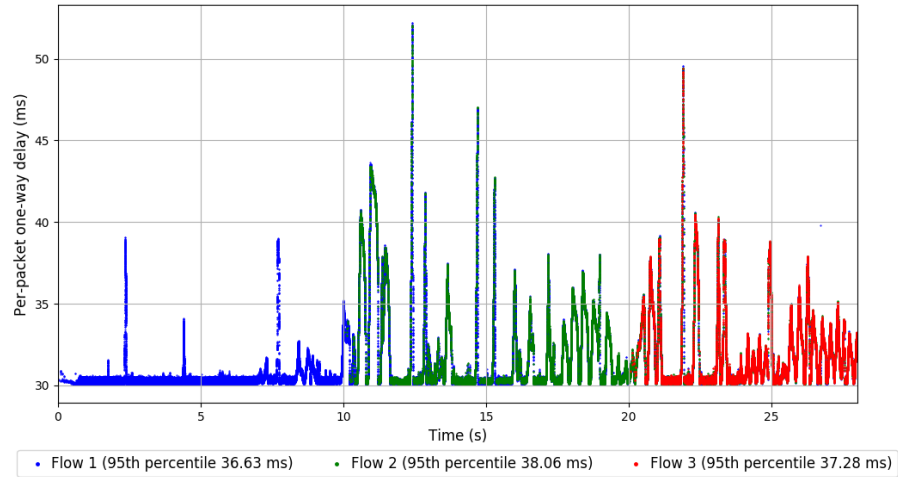
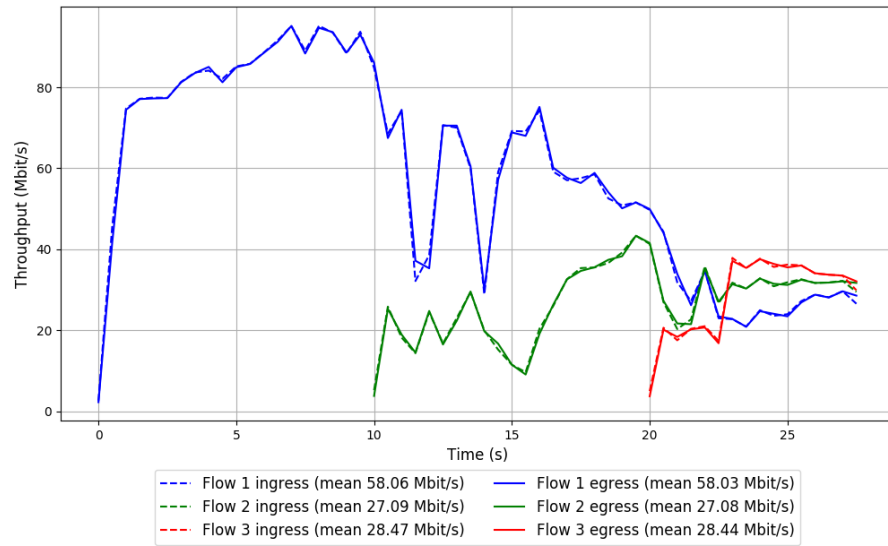


Run 3: Statistics of Copa

Start at: 2017-11-30 22:01:12
End at: 2017-11-30 22:01:42
Local clock offset: -0.218 ms
Remote clock offset: -1.469 ms

Below is generated by plot.py at 2017-12-01 01:03:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 37.101 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: 36.633 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 38.056 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 37.278 ms
Loss rate: 0.09%

Run 3: Report of Copa — Data Link

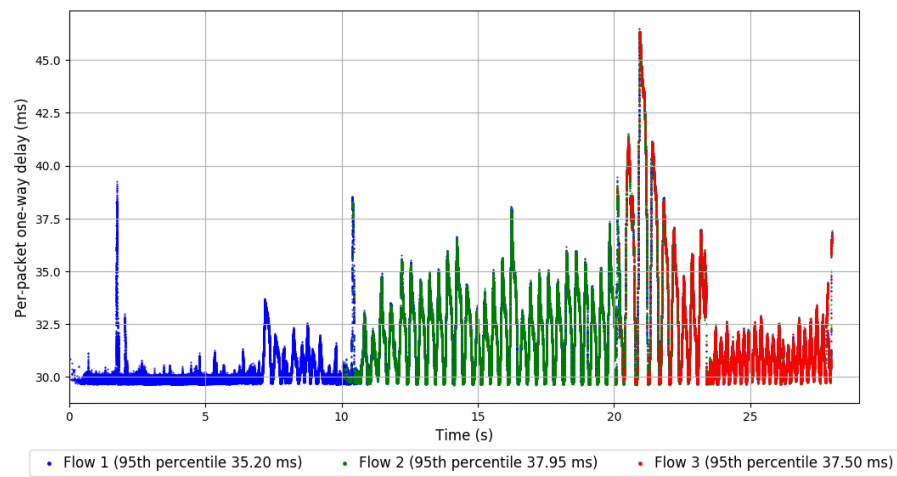
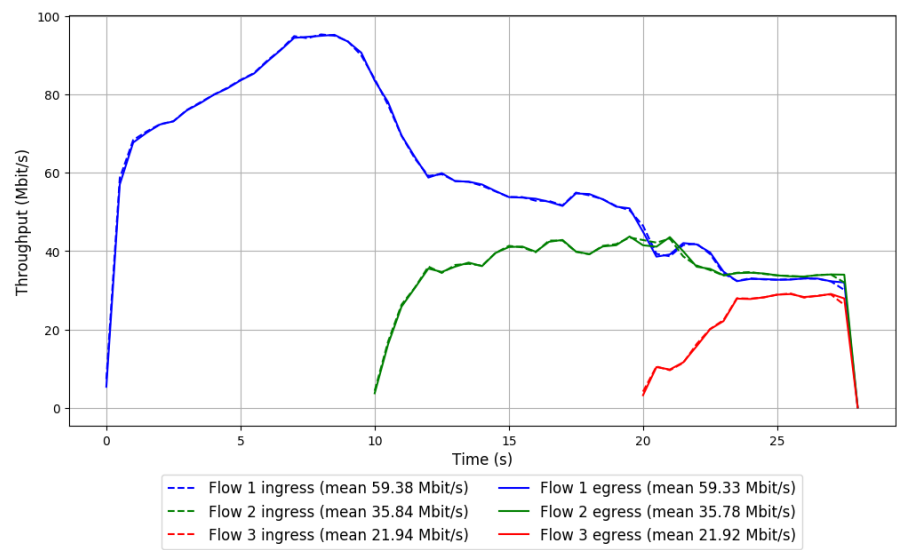


Run 4: Statistics of Copa

Start at: 2017-11-30 22:20:32
End at: 2017-11-30 22:21:02
Local clock offset: -0.274 ms
Remote clock offset: -1.981 ms

Below is generated by plot.py at 2017-12-01 01:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 36.041 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 35.197 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 37.954 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 37.496 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link

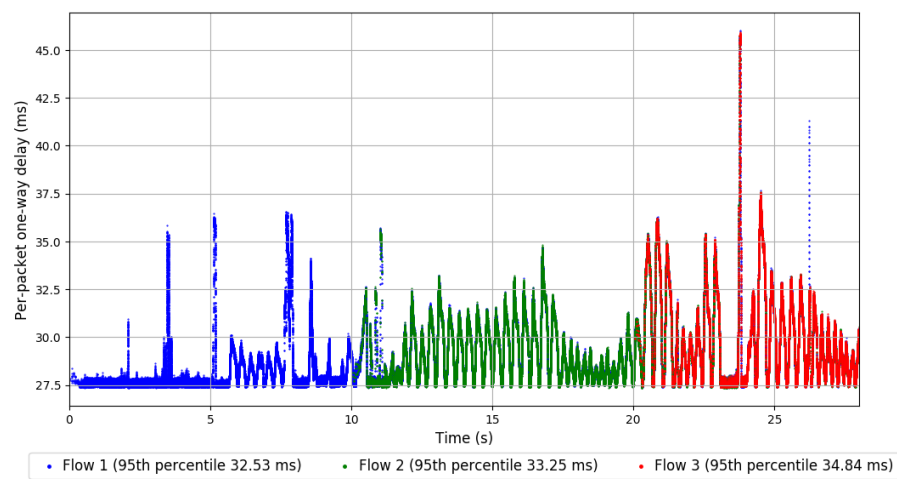
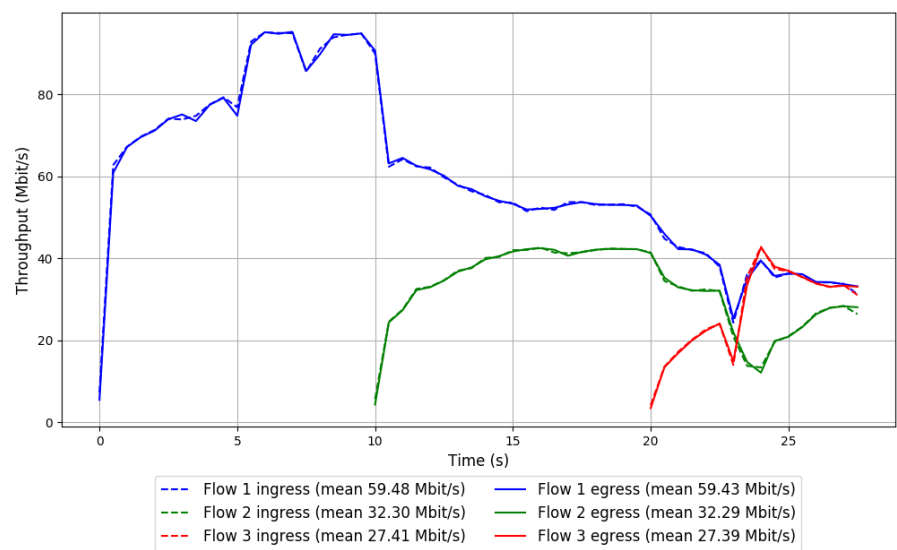


Run 5: Statistics of Copa

Start at: 2017-11-30 22:40:07
End at: 2017-11-30 22:40:37
Local clock offset: -0.282 ms
Remote clock offset: -4.197 ms

Below is generated by plot.py at 2017-12-01 01:03:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 33.003 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 32.530 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 33.251 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 27.39 Mbit/s
95th percentile per-packet one-way delay: 34.838 ms
Loss rate: 0.05%

Run 5: Report of Copa — Data Link

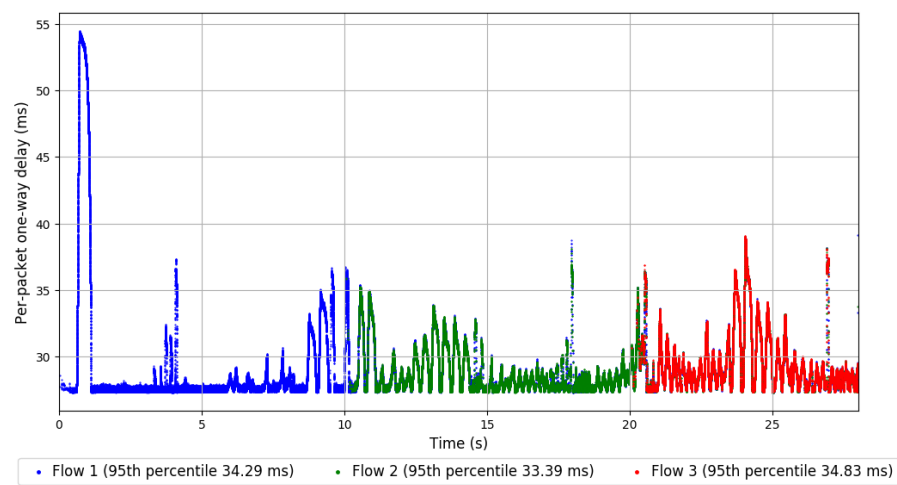
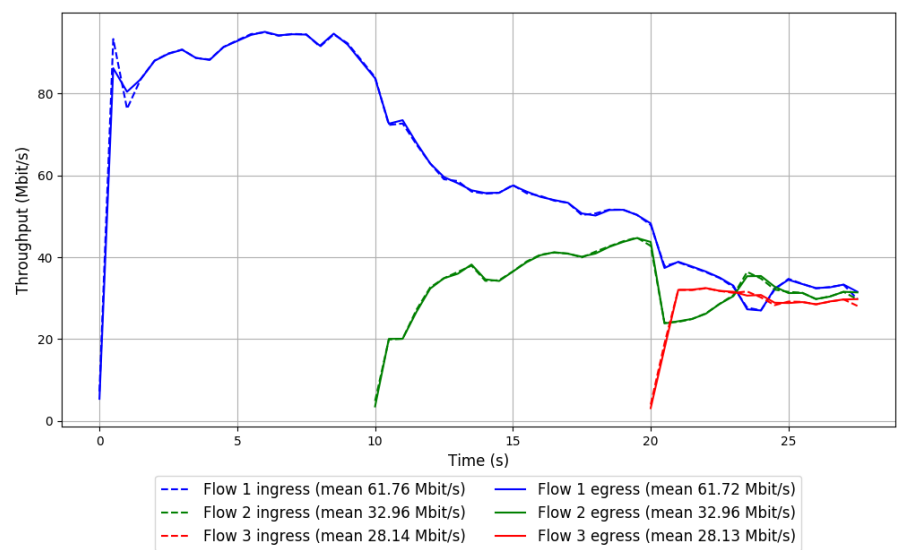


Run 6: Statistics of Copa

Start at: 2017-11-30 22:59:55
End at: 2017-11-30 23:00:25
Local clock offset: -0.179 ms
Remote clock offset: -4.237 ms

Below is generated by plot.py at 2017-12-01 01:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.84 Mbit/s
95th percentile per-packet one-way delay: 34.139 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.72 Mbit/s
95th percentile per-packet one-way delay: 34.287 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 33.391 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 34.832 ms
Loss rate: 0.04%

Run 6: Report of Copa — Data Link

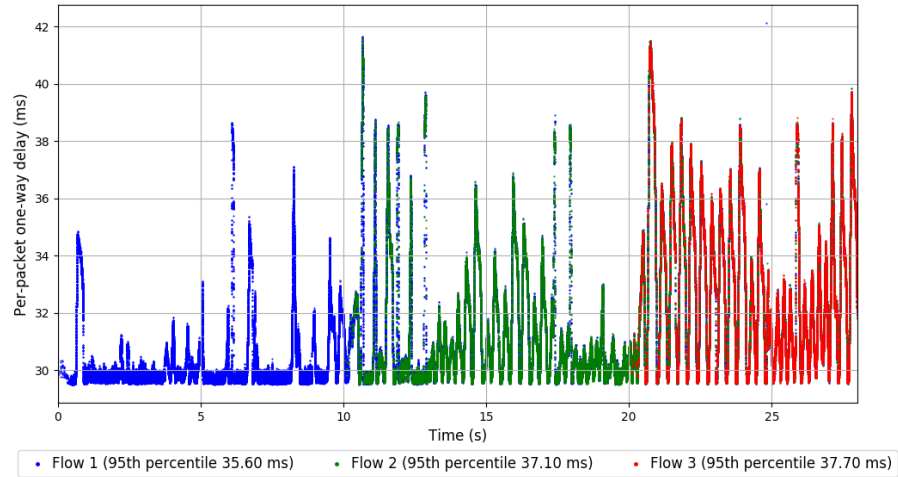
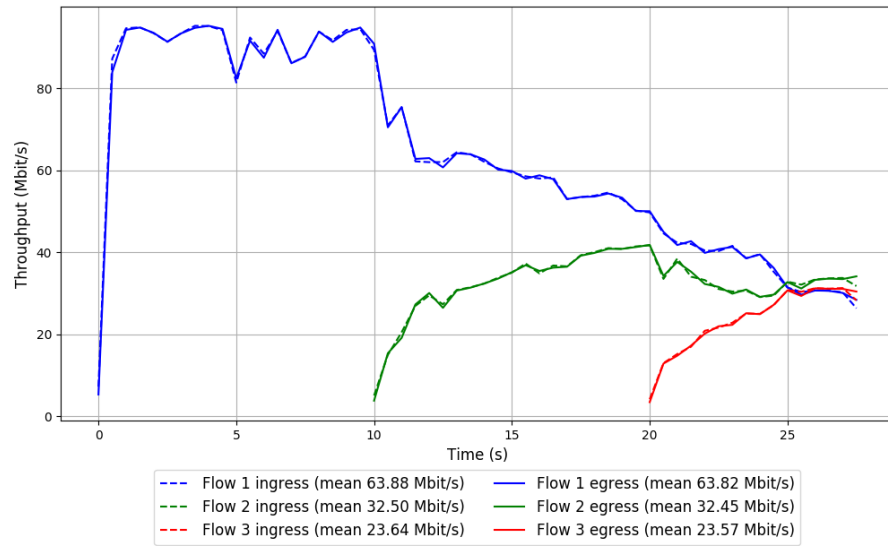


Run 7: Statistics of Copa

Start at: 2017-11-30 23:19:31
End at: 2017-11-30 23:20:01
Local clock offset: -0.201 ms
Remote clock offset: -2.214 ms

Below is generated by plot.py at 2017-12-01 01:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 36.304 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 35.603 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 37.103 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 37.701 ms
Loss rate: 0.27%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

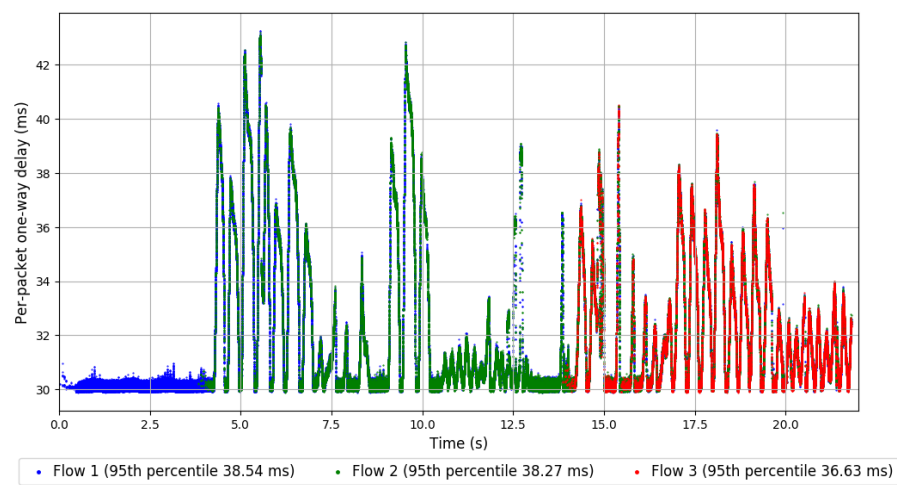
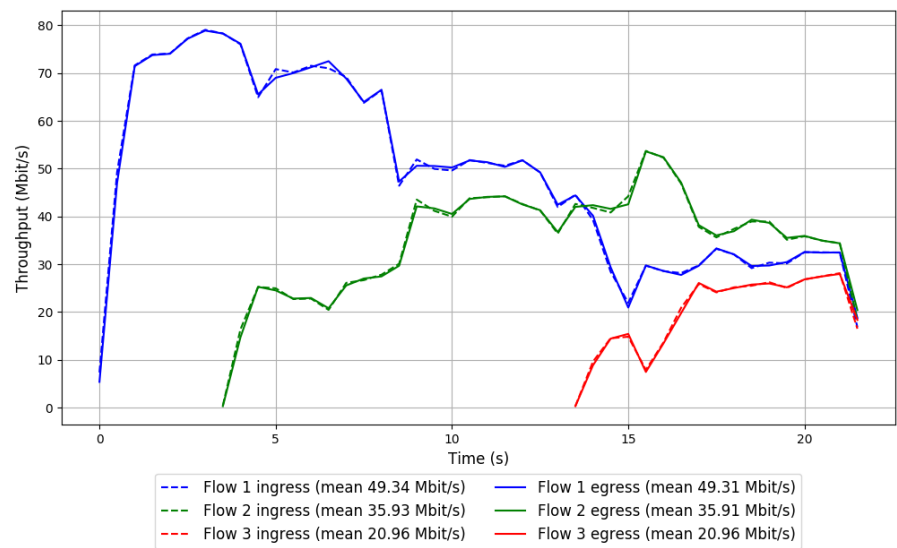
Start at: 2017-11-30 23:39:43

End at: 2017-11-30 23:40:13

Local clock offset: -0.155 ms

Remote clock offset: -2.018 ms

Run 8: Report of Copa — Data Link

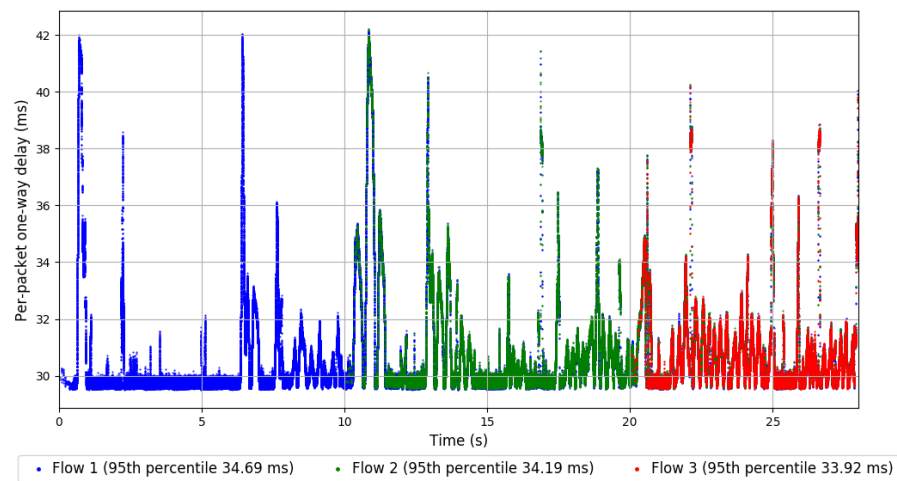
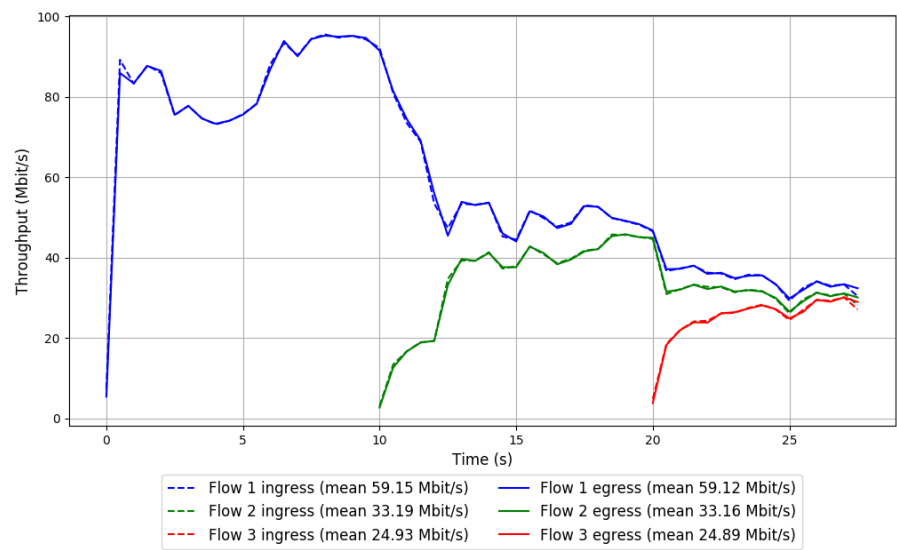


Run 9: Statistics of Copa

Start at: 2017-11-30 23:59:43
End at: 2017-12-01 00:00:13
Local clock offset: -0.158 ms
Remote clock offset: -2.463 ms

Below is generated by plot.py at 2017-12-01 01:05:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 34.537 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 34.690 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.16 Mbit/s
95th percentile per-packet one-way delay: 34.192 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 33.918 ms
Loss rate: 0.13%

Run 9: Report of Copa — Data Link

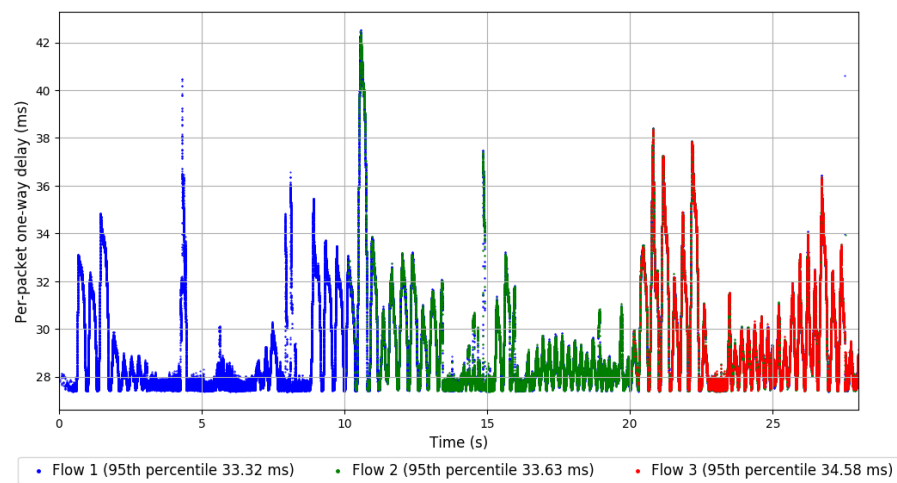
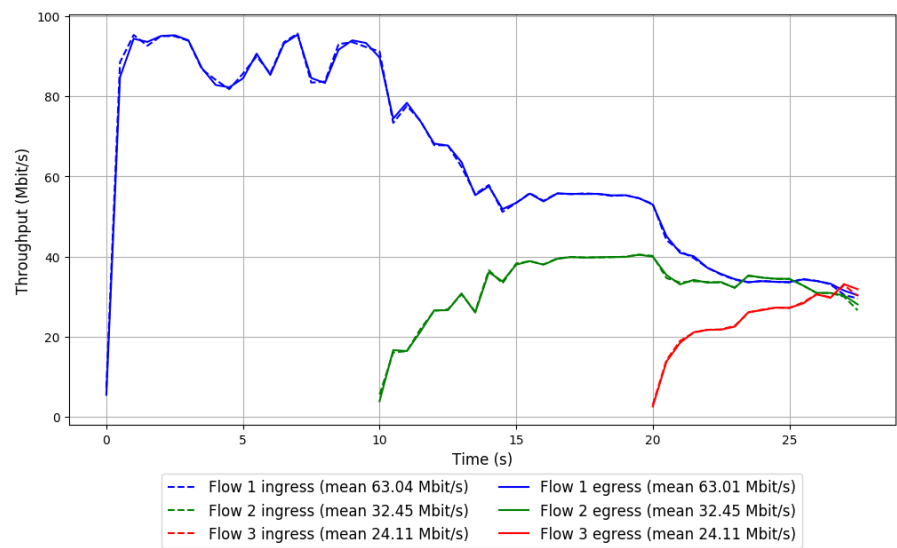


Run 10: Statistics of Copa

Start at: 2017-12-01 00:20:06
End at: 2017-12-01 00:20:36
Local clock offset: -0.144 ms
Remote clock offset: -4.815 ms

Below is generated by plot.py at 2017-12-01 01:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 33.491 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 63.01 Mbit/s
95th percentile per-packet one-way delay: 33.317 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 33.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 34.581 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

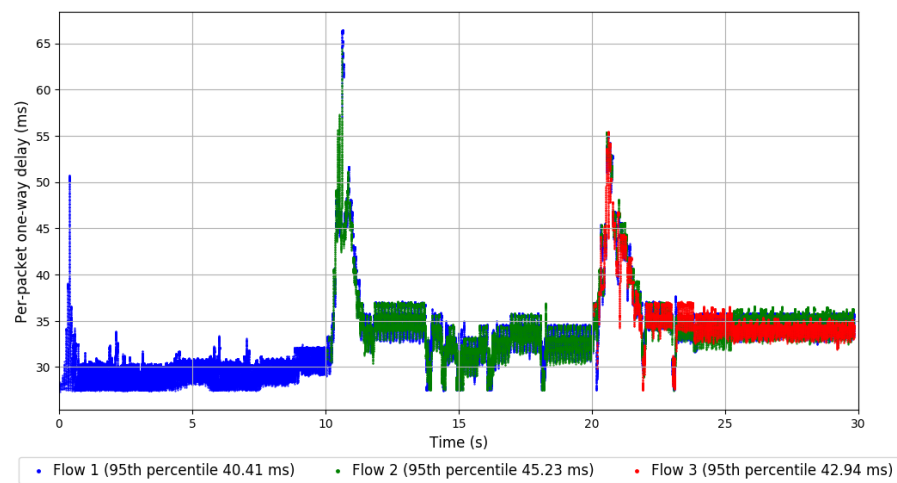
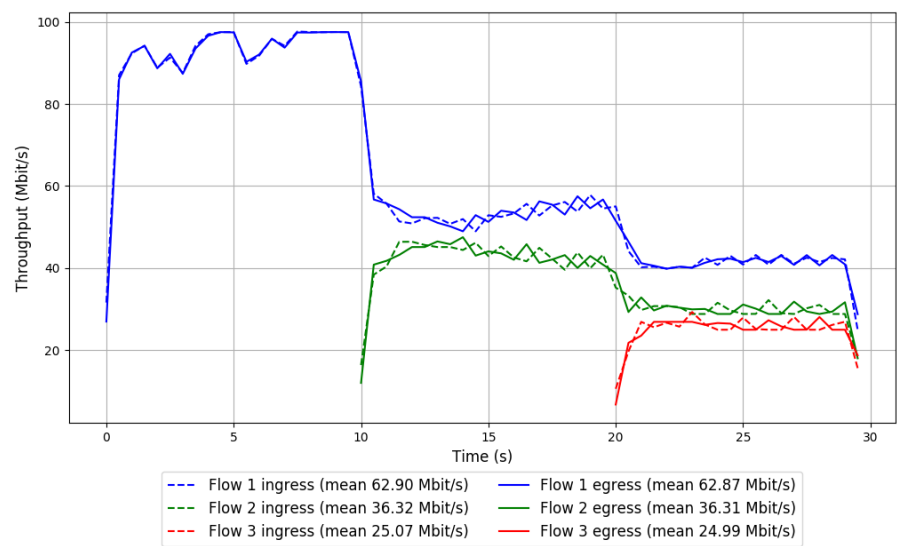


```
Run 1: Statistics of Indigo

Start at: 2017-11-30 21:11:18
End at: 2017-11-30 21:11:48
Local clock offset: -0.029 ms
Remote clock offset: -3.642 ms

# Below is generated by plot.py at 2017-12-01 01:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 42.889 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 40.413 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 45.227 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 42.941 ms
Loss rate: 0.36%
```


Run 1: Report of Indigo — Data Link

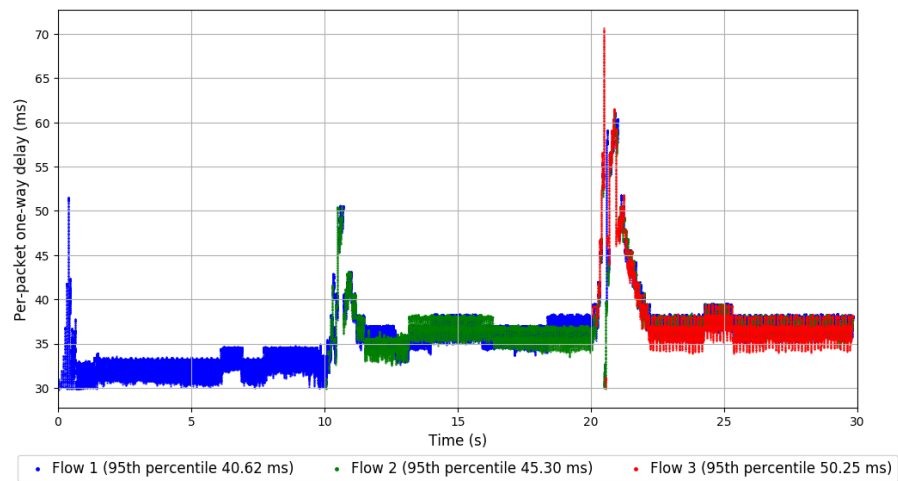
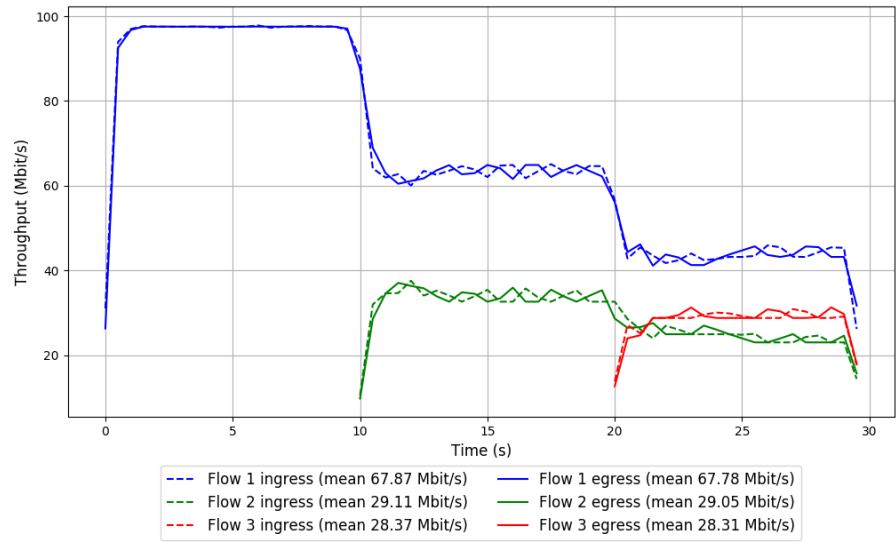


Run 2: Statistics of Indigo

Start at: 2017-11-30 21:31:11
End at: 2017-11-30 21:31:41
Local clock offset: -0.158 ms
Remote clock offset: -1.52 ms

Below is generated by plot.py at 2017-12-01 01:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 42.835 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 67.78 Mbit/s
95th percentile per-packet one-way delay: 40.622 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 45.295 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 28.31 Mbit/s
95th percentile per-packet one-way delay: 50.249 ms
Loss rate: 0.21%

Run 2: Report of Indigo — Data Link

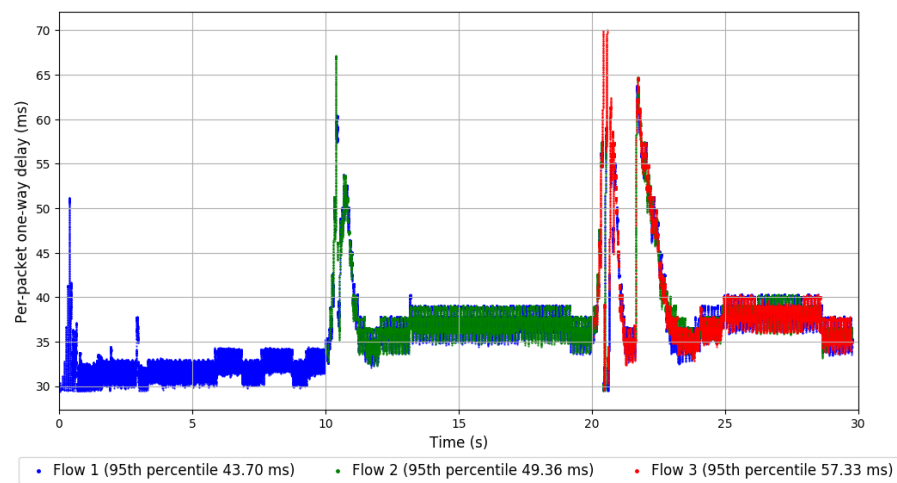
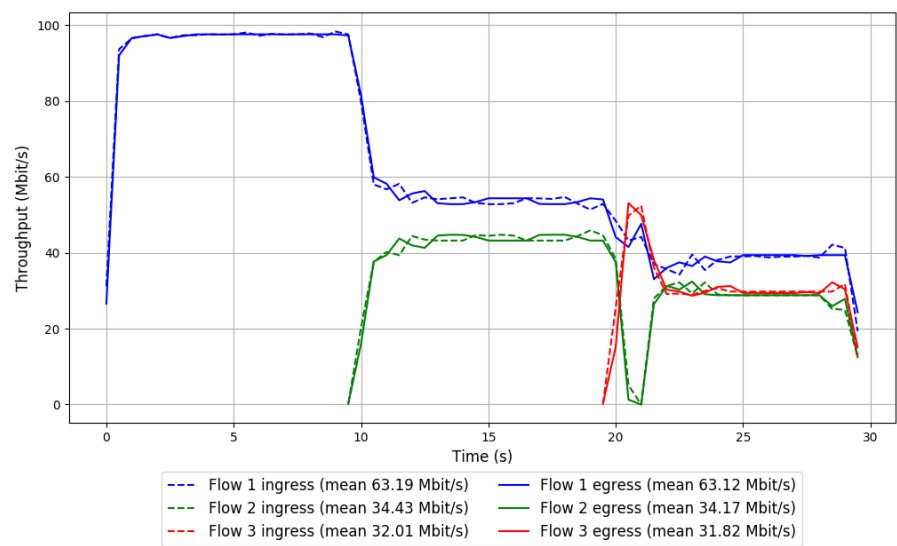


Run 3: Statistics of Indigo

Start at: 2017-11-30 21:50:23
End at: 2017-11-30 21:50:53
Local clock offset: -0.183 ms
Remote clock offset: -2.056 ms

Below is generated by plot.py at 2017-12-01 01:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 48.581 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 43.695 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 49.356 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 57.326 ms
Loss rate: 0.60%

Run 3: Report of Indigo — Data Link

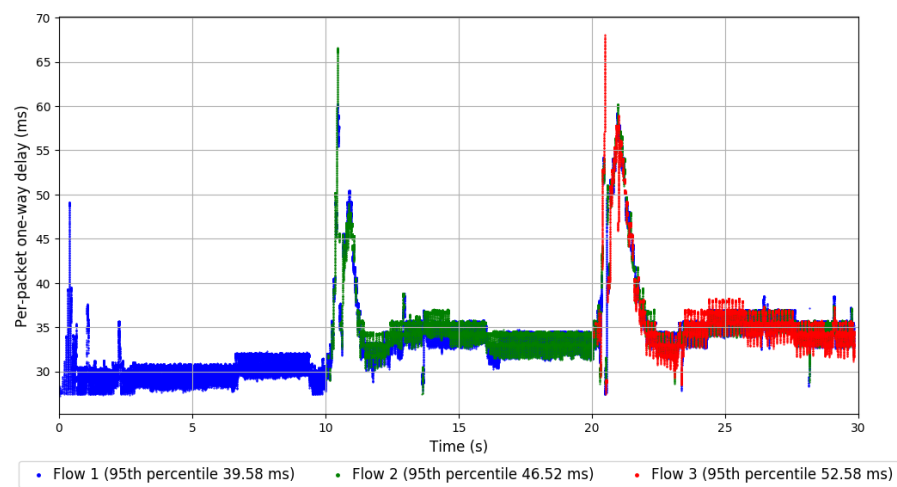
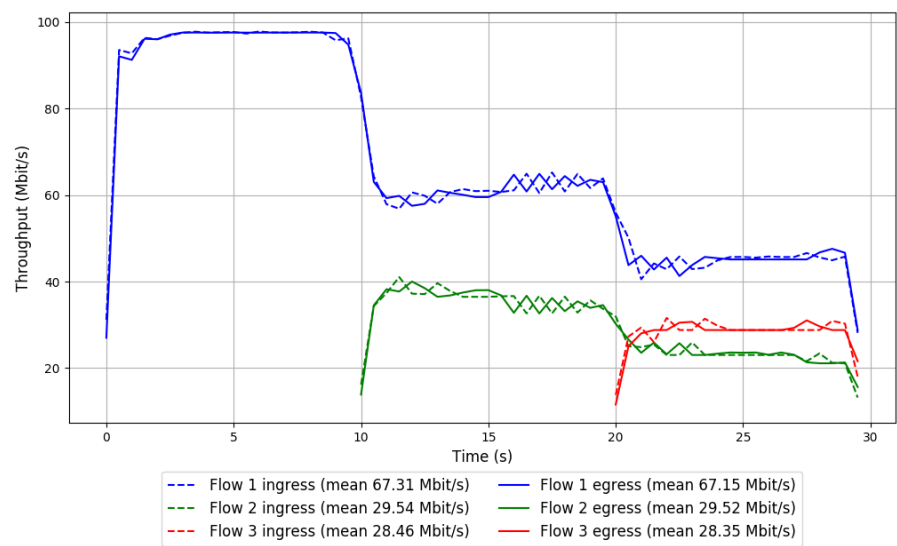


Run 4: Statistics of Indigo

Start at: 2017-11-30 22:09:29
End at: 2017-11-30 22:09:59
Local clock offset: -0.164 ms
Remote clock offset: -4.111 ms

Below is generated by plot.py at 2017-12-01 01:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 44.043 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 39.575 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 29.52 Mbit/s
95th percentile per-packet one-way delay: 46.518 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.35 Mbit/s
95th percentile per-packet one-way delay: 52.584 ms
Loss rate: 0.40%

Run 4: Report of Indigo — Data Link

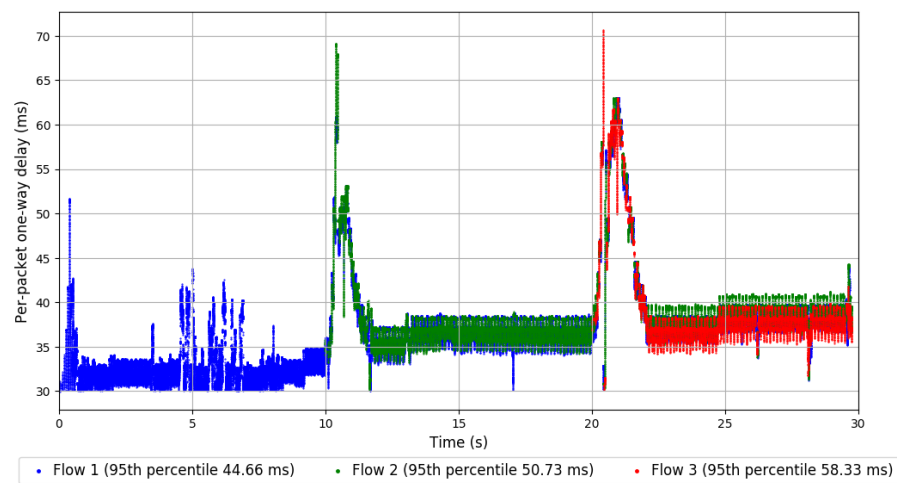
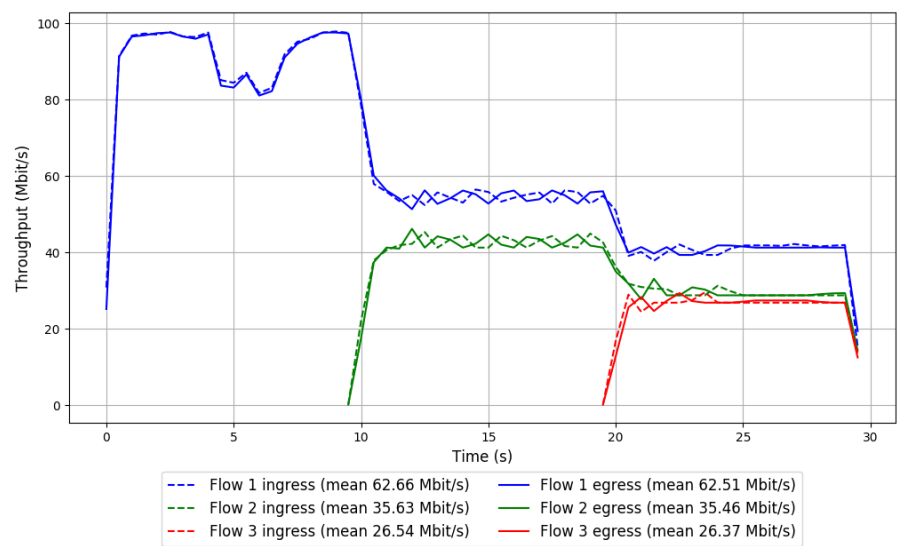


Run 5: Statistics of Indigo

Start at: 2017-11-30 22:29:10
End at: 2017-11-30 22:29:40
Local clock offset: -0.261 ms
Remote clock offset: -1.485 ms

Below is generated by plot.py at 2017-12-01 01:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 49.180 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 44.656 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 50.725 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 58.331 ms
Loss rate: 0.62%

Run 5: Report of Indigo — Data Link

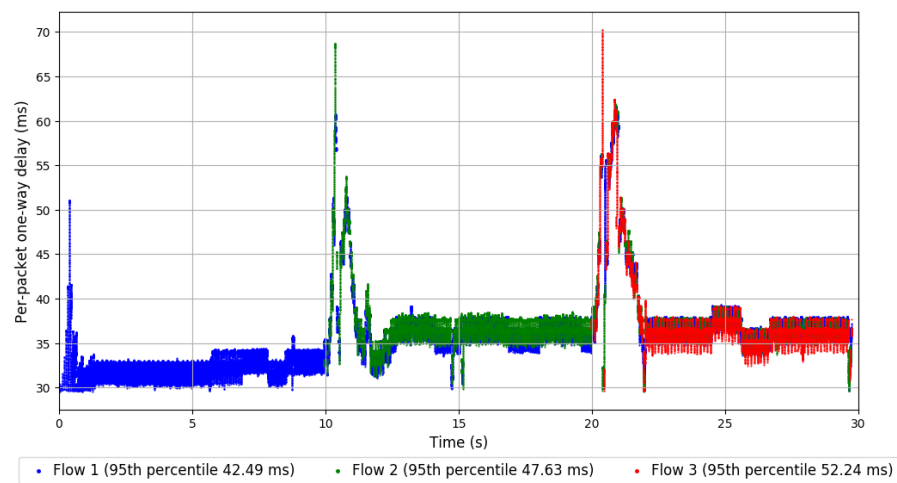
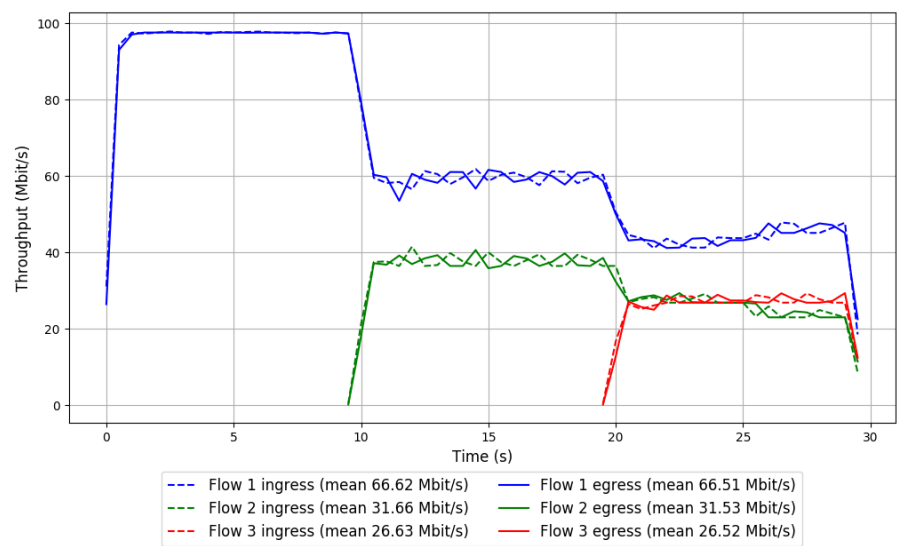


Run 6: Statistics of Indigo

Start at: 2017-11-30 22:48:37
End at: 2017-11-30 22:49:07
Local clock offset: -0.263 ms
Remote clock offset: -2.008 ms

Below is generated by plot.py at 2017-12-01 01:05:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 45.147 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 66.51 Mbit/s
95th percentile per-packet one-way delay: 42.489 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 47.632 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 52.236 ms
Loss rate: 0.43%

Run 6: Report of Indigo — Data Link

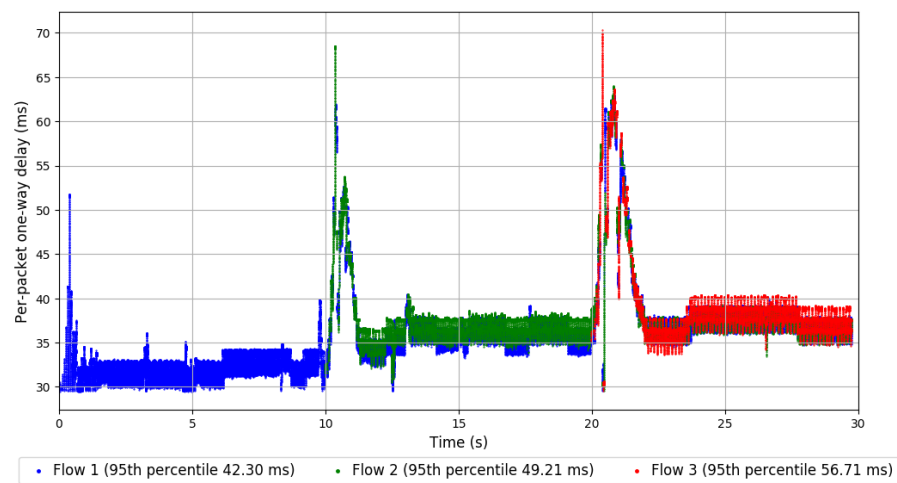
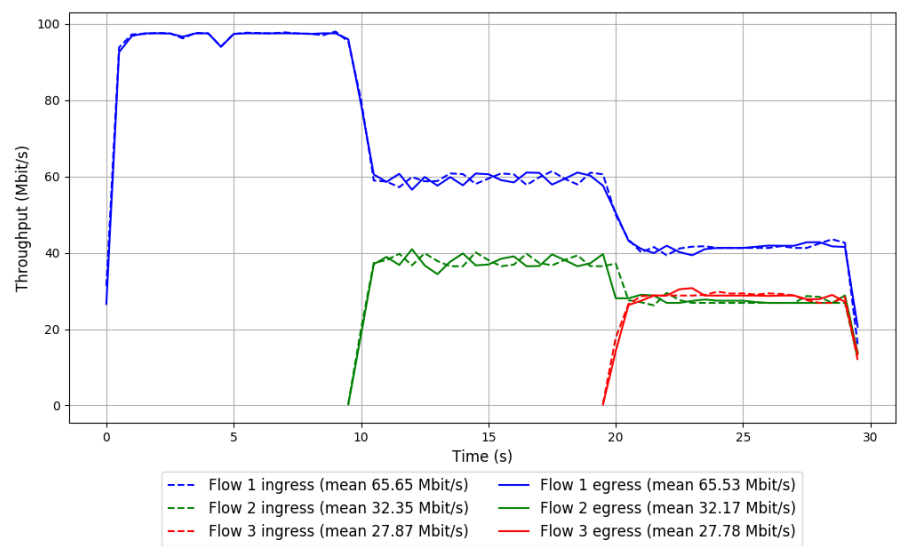


Run 7: Statistics of Indigo

Start at: 2017-11-30 23:08:25
End at: 2017-11-30 23:08:55
Local clock offset: -0.231 ms
Remote clock offset: -2.113 ms

Below is generated by plot.py at 2017-12-01 01:06:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 46.702 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 42.304 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 49.213 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 27.78 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 0.31%

Run 7: Report of Indigo — Data Link

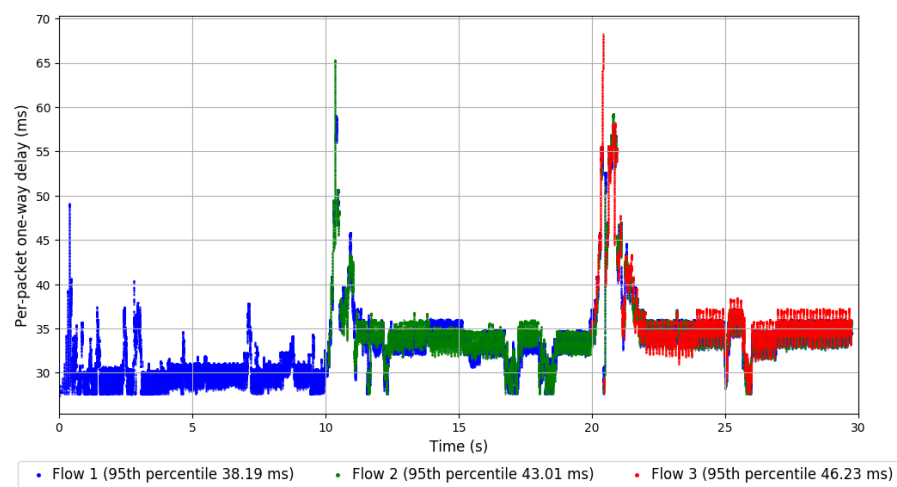
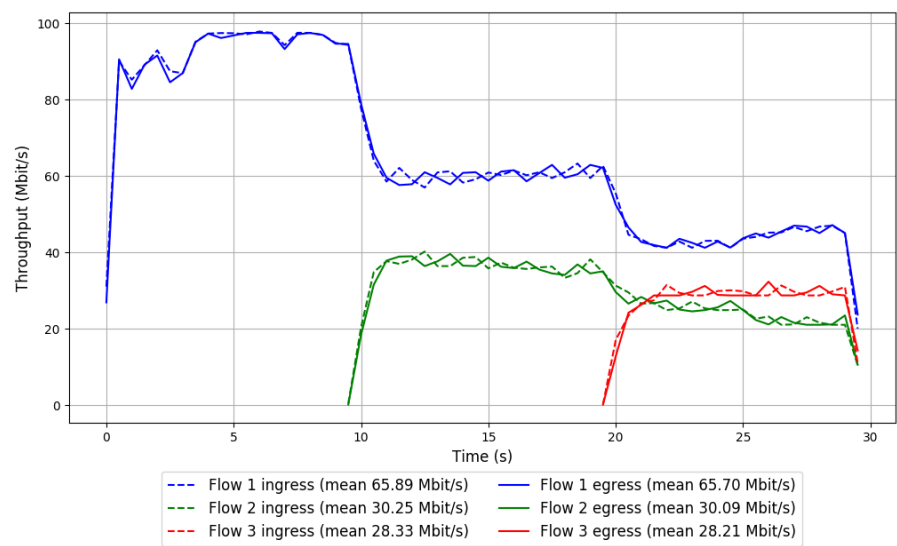


Run 8: Statistics of Indigo

Start at: 2017-11-30 23:28:03
End at: 2017-11-30 23:28:33
Local clock offset: -0.259 ms
Remote clock offset: -4.312 ms

Below is generated by plot.py at 2017-12-01 01:06:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 40.547 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 38.193 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 43.012 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 46.225 ms
Loss rate: 0.43%

Run 8: Report of Indigo — Data Link

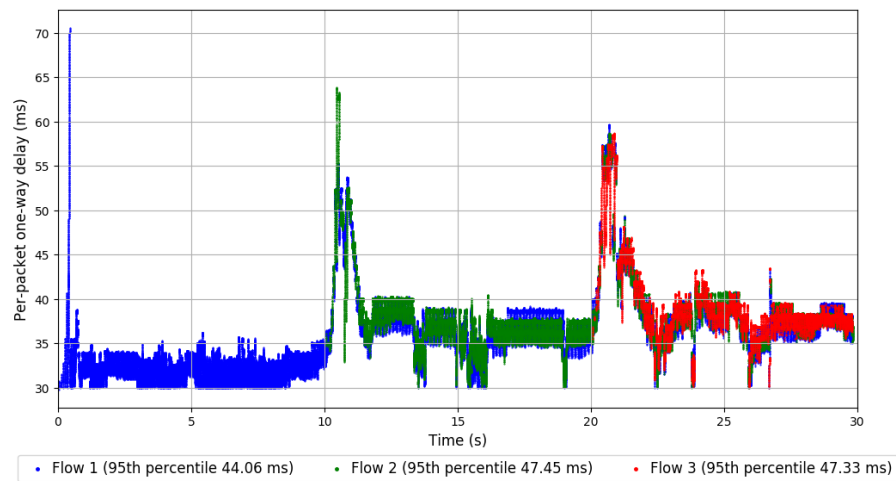
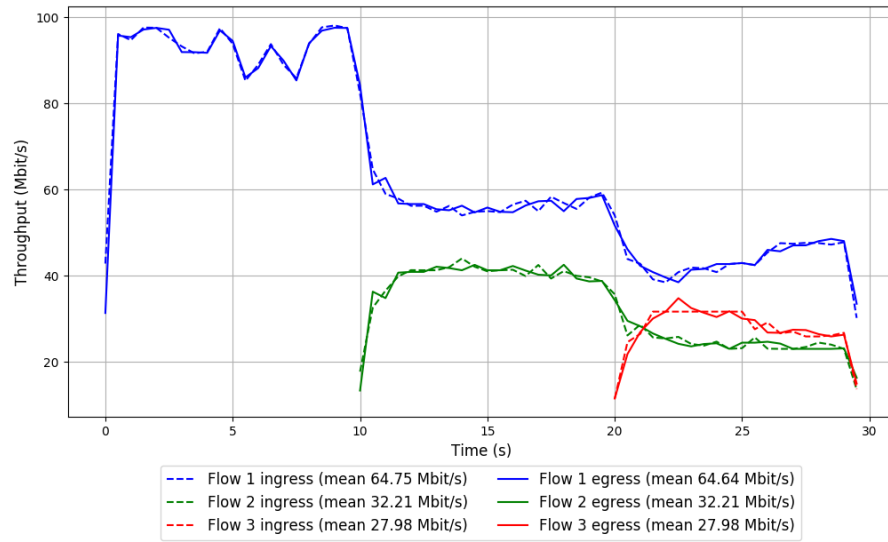


Run 9: Statistics of Indigo

Start at: 2017-11-30 23:48:16
End at: 2017-11-30 23:48:46
Local clock offset: -0.139 ms
Remote clock offset: -1.971 ms

Below is generated by plot.py at 2017-12-01 01:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 45.618 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 44.064 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 47.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 47.334 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

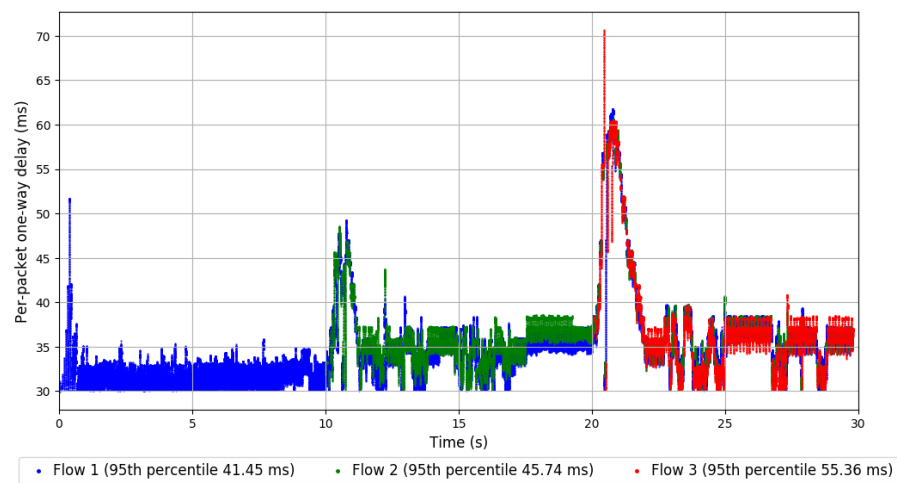
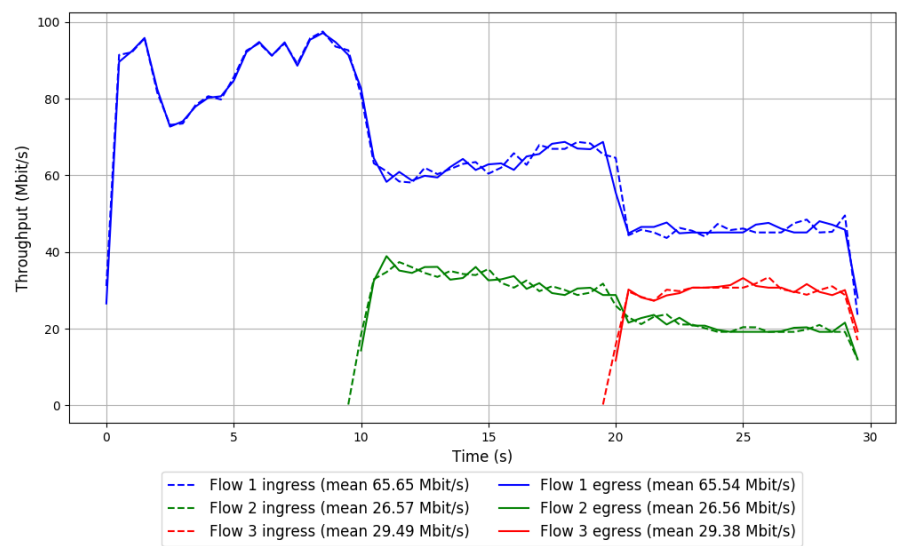


Run 10: Statistics of Indigo

Start at: 2017-12-01 00:08:22
End at: 2017-12-01 00:08:52
Local clock offset: -0.249 ms
Remote clock offset: -2.104 ms

Below is generated by plot.py at 2017-12-01 01:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 44.291 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 65.54 Mbit/s
95th percentile per-packet one-way delay: 41.445 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 26.56 Mbit/s
95th percentile per-packet one-way delay: 45.736 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 55.359 ms
Loss rate: 0.37%

Run 10: Report of Indigo — Data Link

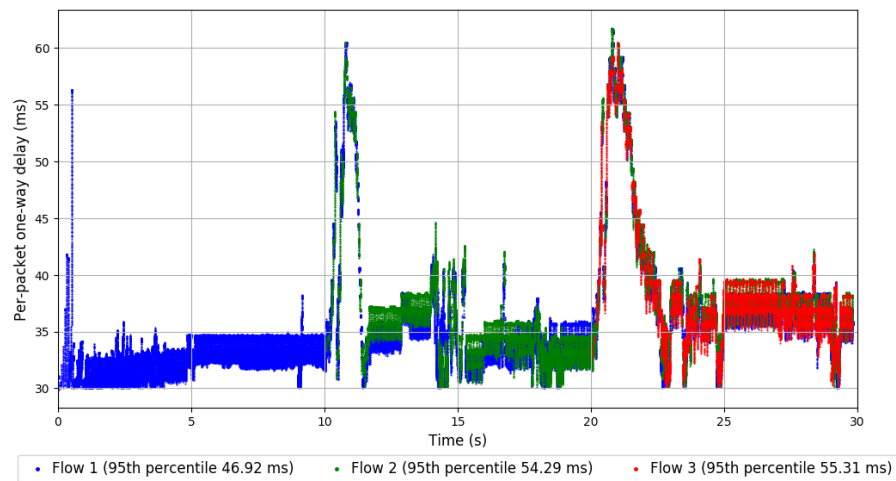
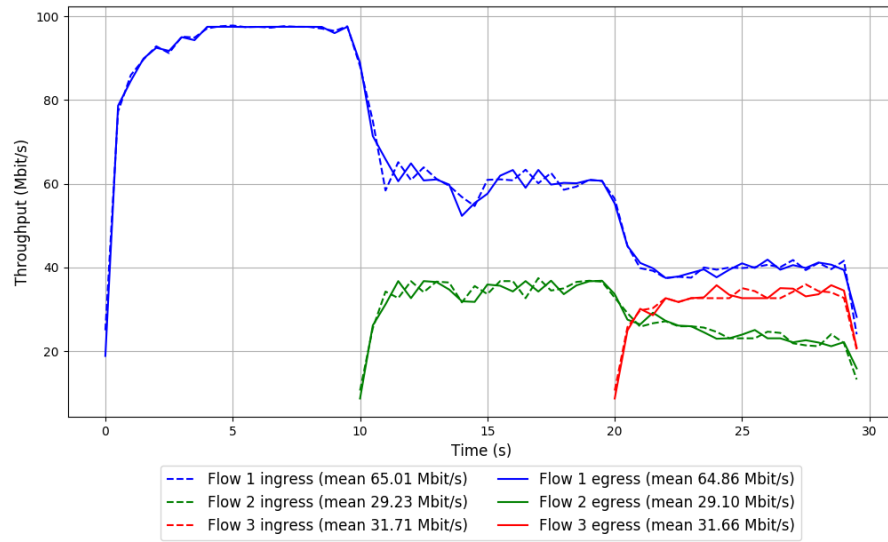


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 21:09:50
End at: 2017-11-30 21:10:20
Local clock offset: -0.082 ms
Remote clock offset: -1.103 ms

# Below is generated by plot.py at 2017-12-01 01:06:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 51.579 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 46.922 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 54.290 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 55.312 ms
Loss rate: 0.11%
```

Run 1: Report of Indigo-calib — Data Link

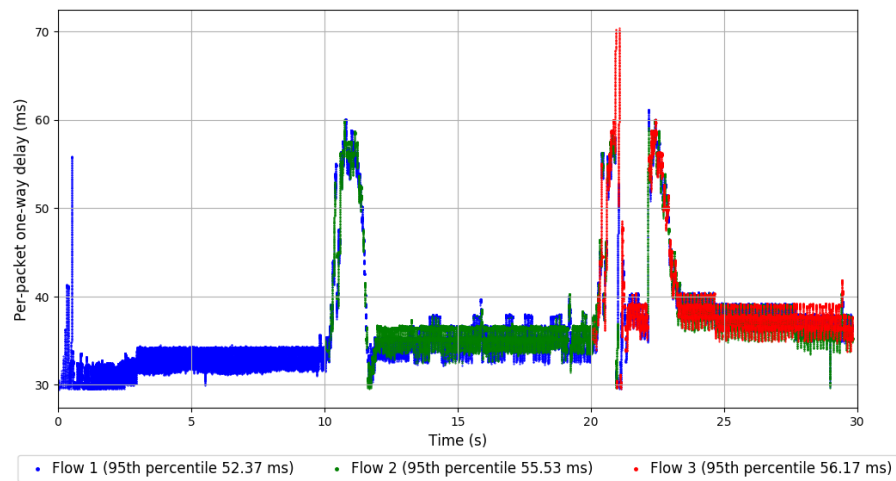
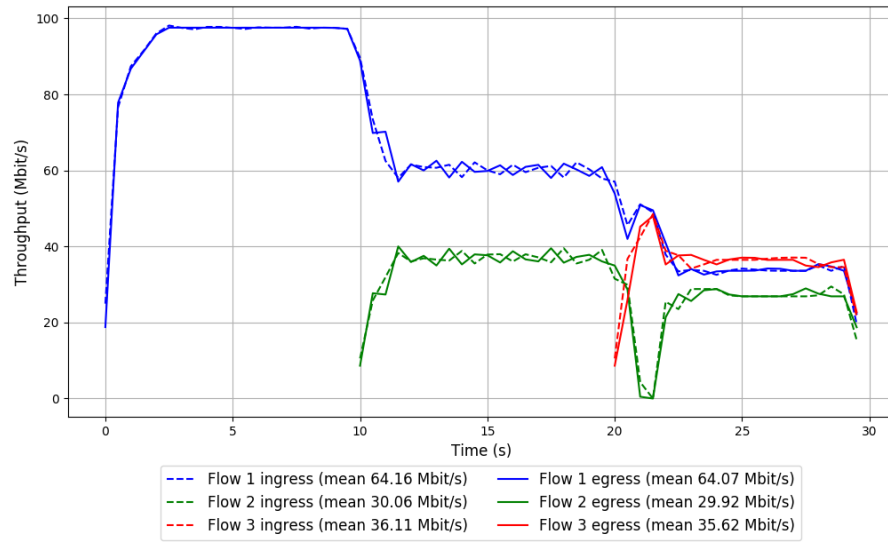


Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 21:29:45
End at: 2017-11-30 21:30:15
Local clock offset: -0.147 ms
Remote clock offset: -1.837 ms

Below is generated by plot.py at 2017-12-01 01:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 54.365 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 52.372 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 55.526 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 56.167 ms
Loss rate: 1.33%

Run 2: Report of Indigo-calib — Data Link

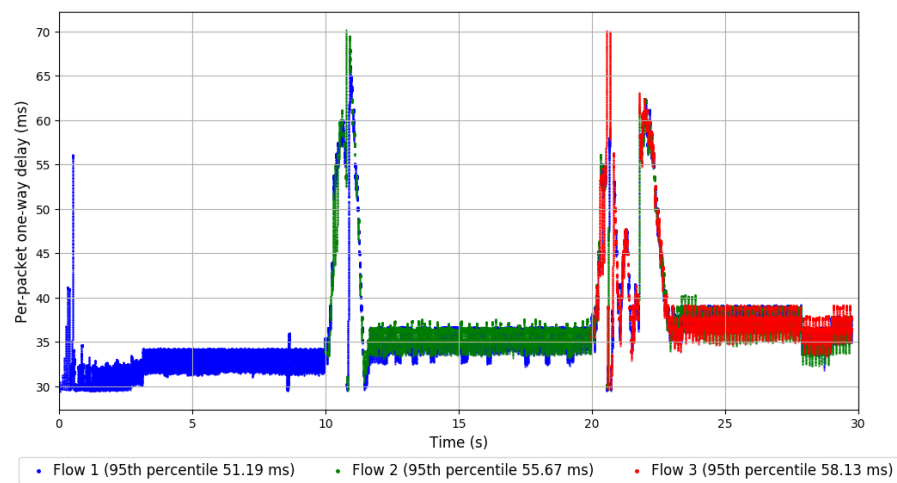
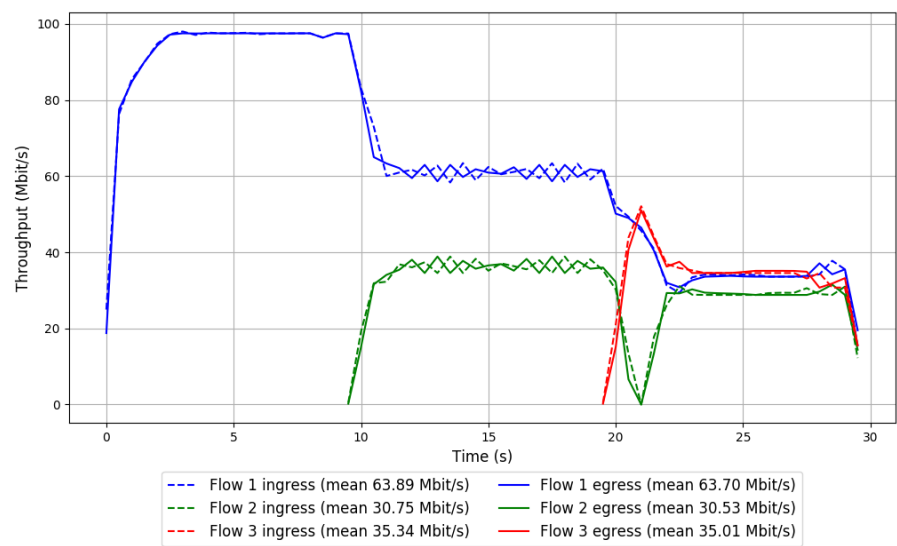


Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 21:48:59
End at: 2017-11-30 21:49:29
Local clock offset: -0.185 ms
Remote clock offset: -1.981 ms

Below is generated by plot.py at 2017-12-01 01:07:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 53.595 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 51.194 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 55.672 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 58.132 ms
Loss rate: 0.91%

Run 3: Report of Indigo-calib — Data Link

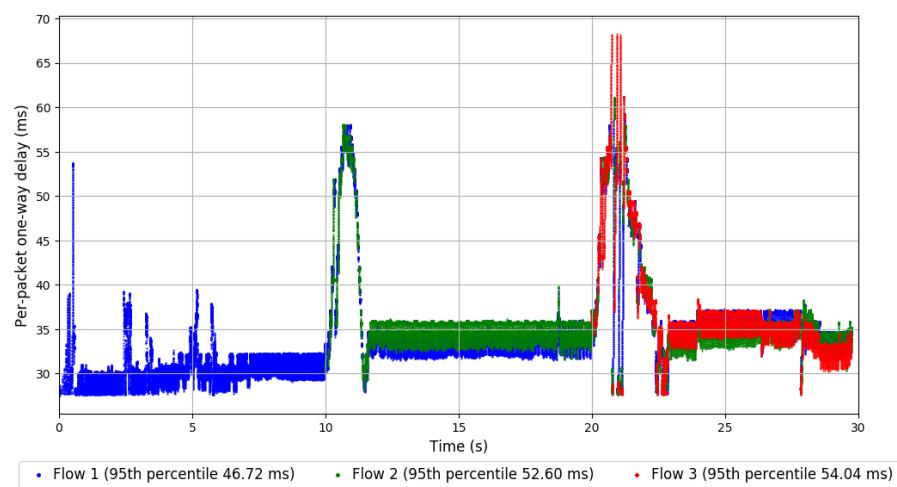
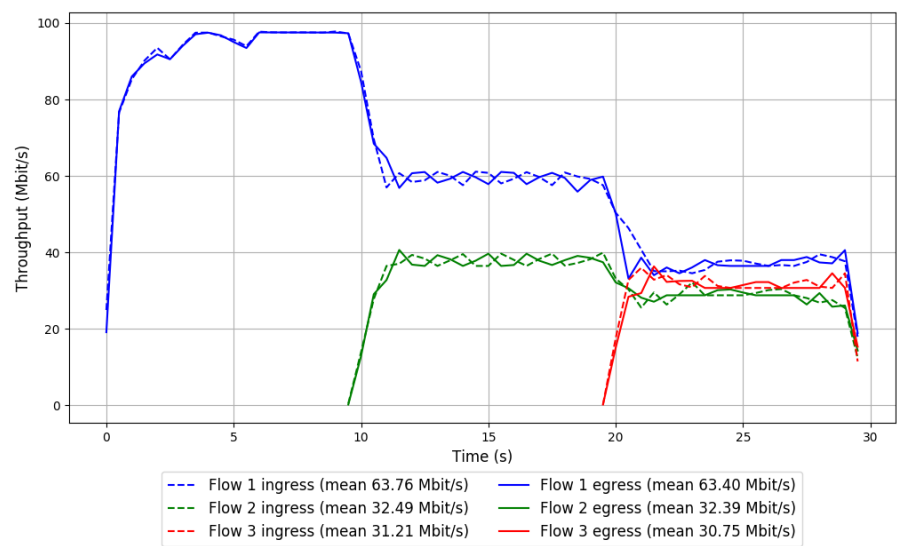


Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 22:08:05
End at: 2017-11-30 22:08:35
Local clock offset: -0.27 ms
Remote clock offset: -4.011 ms

Below is generated by plot.py at 2017-12-01 01:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 50.200 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 63.40 Mbit/s
95th percentile per-packet one-way delay: 46.715 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 52.601 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 54.036 ms
Loss rate: 1.49%

Run 4: Report of Indigo-calib — Data Link

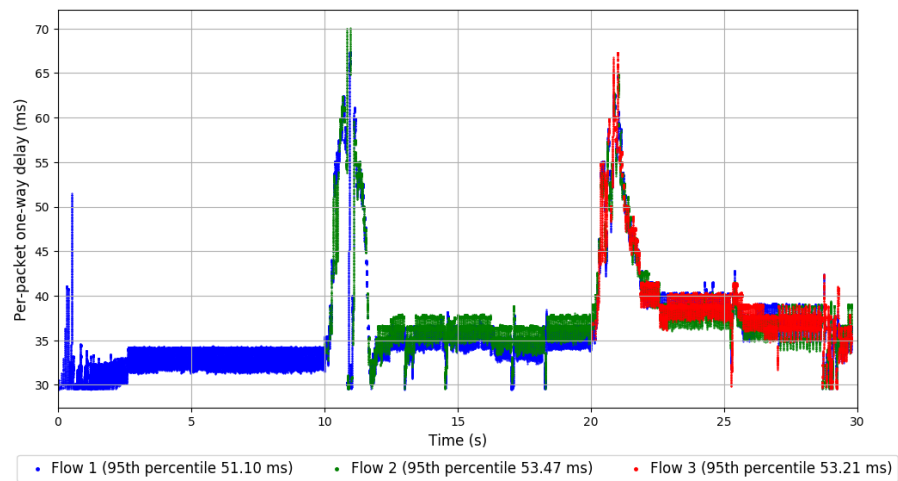
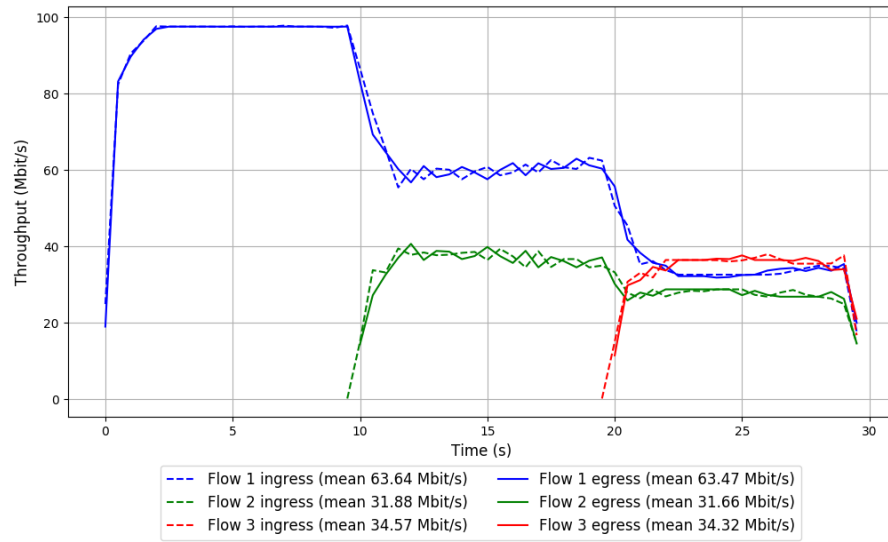


Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 22:27:41
End at: 2017-11-30 22:28:11
Local clock offset: -0.141 ms
Remote clock offset: -1.966 ms

Below is generated by plot.py at 2017-12-01 01:07:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 52.300 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 34.32 Mbit/s
95th percentile per-packet one-way delay: 53.213 ms
Loss rate: 0.70%

Run 5: Report of Indigo-calib — Data Link

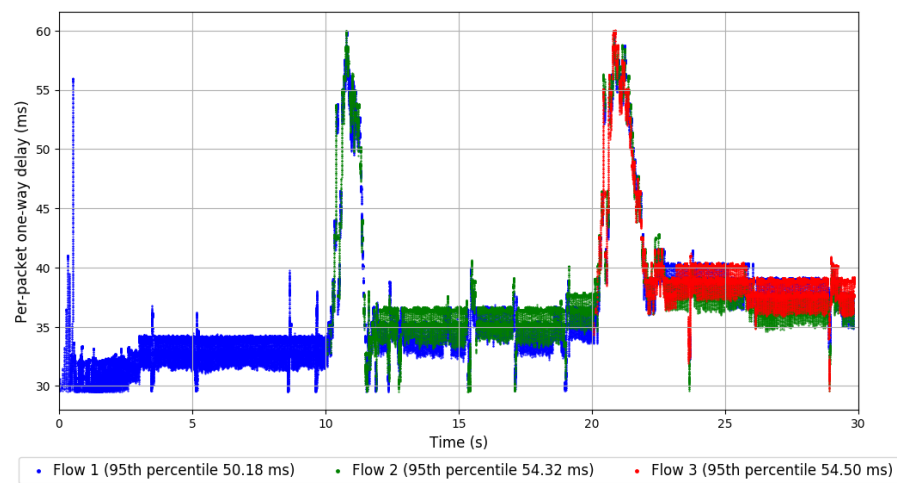
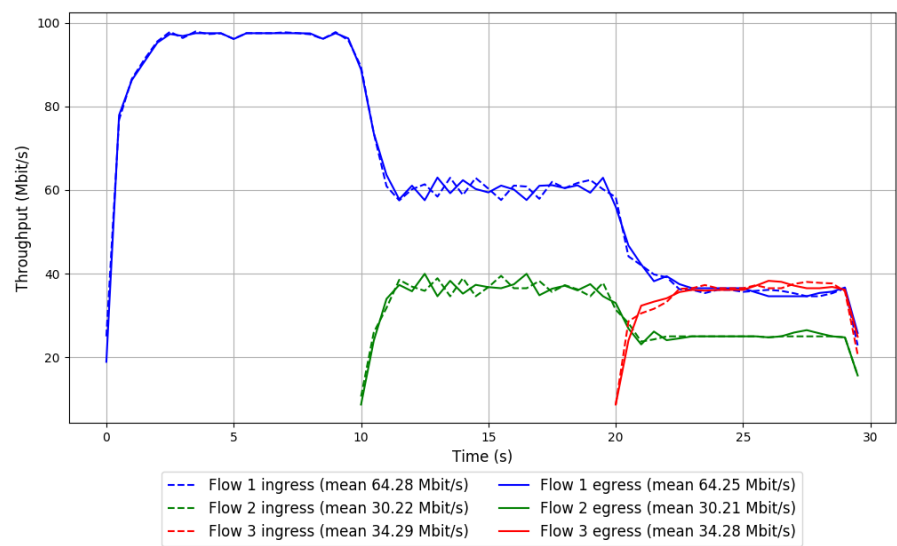


Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 22:47:11
End at: 2017-11-30 22:47:41
Local clock offset: -0.172 ms
Remote clock offset: -1.923 ms

Below is generated by plot.py at 2017-12-01 01:07:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 52.370 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 64.25 Mbit/s
95th percentile per-packet one-way delay: 50.182 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 54.324 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 54.501 ms
Loss rate: 0.01%

Run 6: Report of Indigo-calib — Data Link

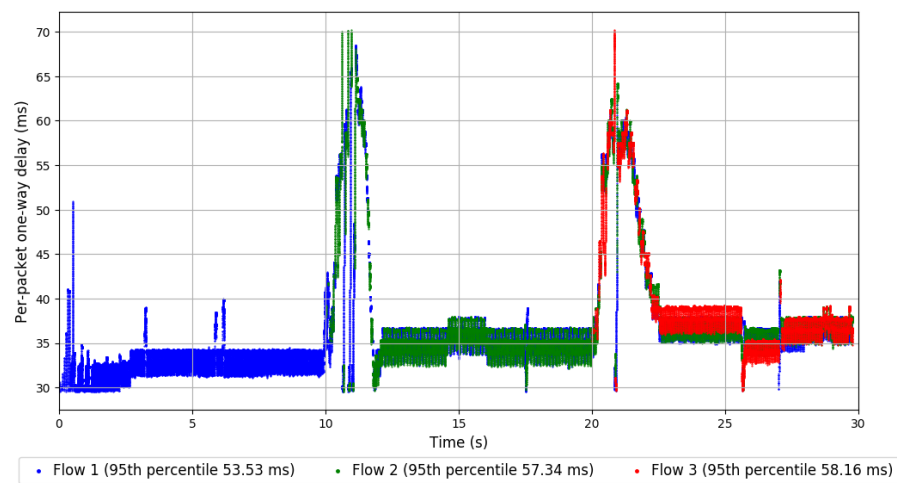
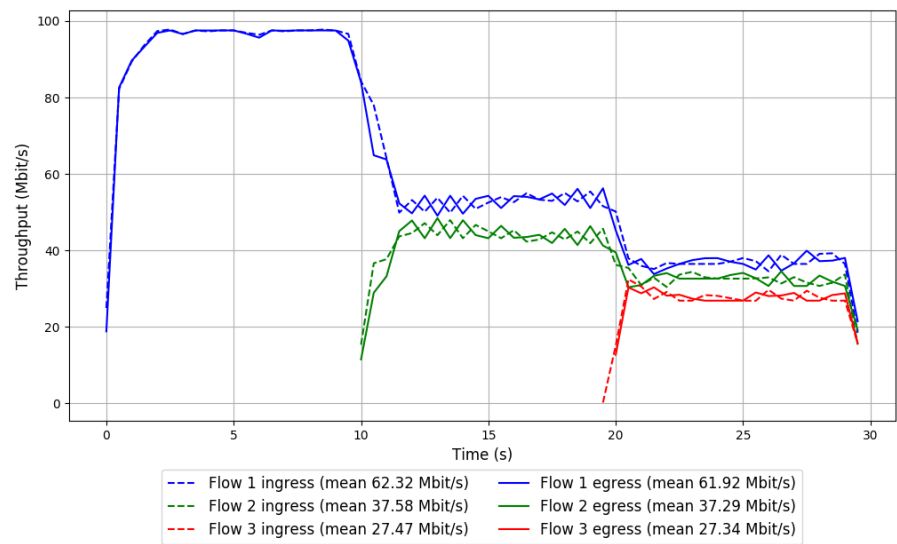


Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 23:06:58
End at: 2017-11-30 23:07:28
Local clock offset: -0.235 ms
Remote clock offset: -2.059 ms

Below is generated by plot.py at 2017-12-01 01:07:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 56.012 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 53.526 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 57.344 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 58.165 ms
Loss rate: 0.45%

Run 7: Report of Indigo-calib — Data Link

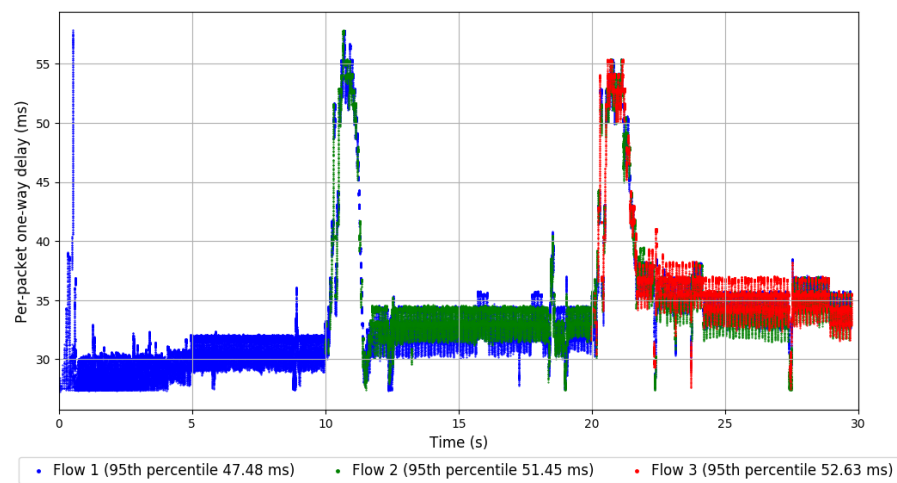
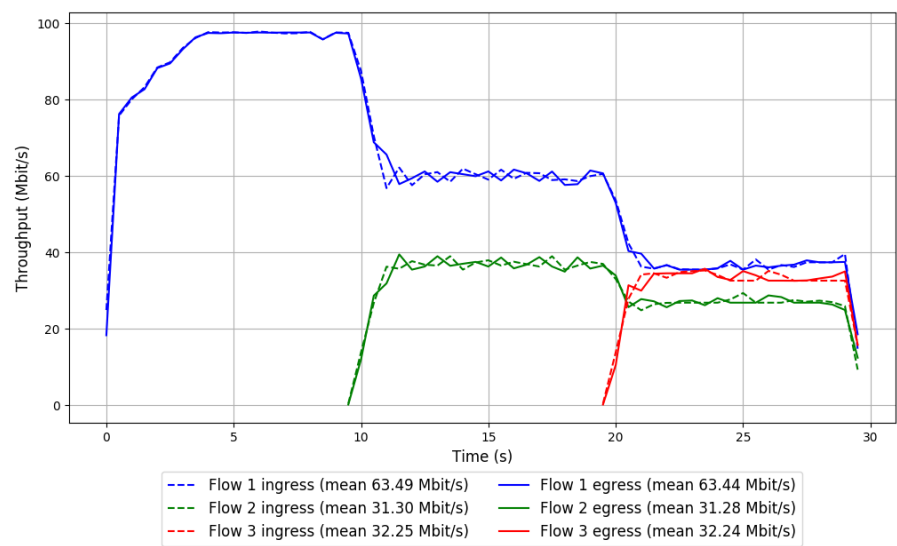


Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 23:26:39
End at: 2017-11-30 23:27:09
Local clock offset: -0.279 ms
Remote clock offset: -4.533 ms

Below is generated by plot.py at 2017-12-01 01:07:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 50.204 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 47.479 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 51.448 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 52.627 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

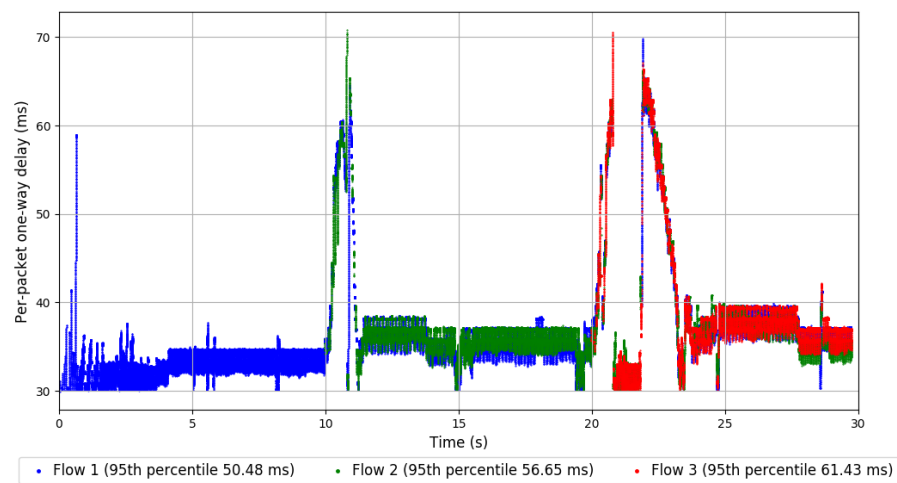
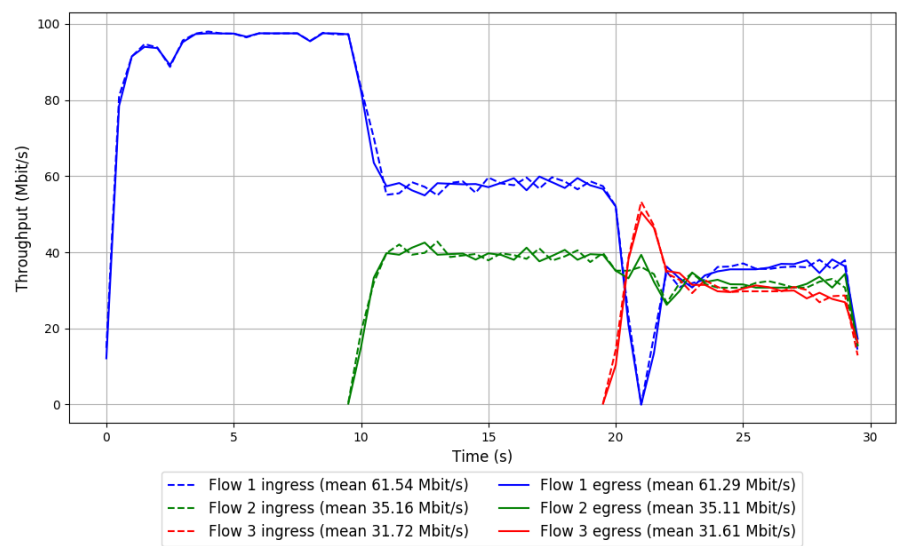


Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 23:46:47
End at: 2017-11-30 23:47:17
Local clock offset: -0.159 ms
Remote clock offset: -1.945 ms

Below is generated by plot.py at 2017-12-01 01:07:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 55.263 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 61.29 Mbit/s
95th percentile per-packet one-way delay: 50.479 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 56.654 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 61.432 ms
Loss rate: 0.34%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 00:06:54
End at: 2017-12-01 00:07:24
Local clock offset: -0.24 ms
Remote clock offset: -2.181 ms

Below is generated by plot.py at 2017-12-01 01:07:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 52.278 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 47.079 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 53.949 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 54.615 ms
Loss rate: 3.07%

Run 10: Report of Indigo-calib — Data Link

