

Pantheon Report

Generated at 2018-02-01 07:15:08 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

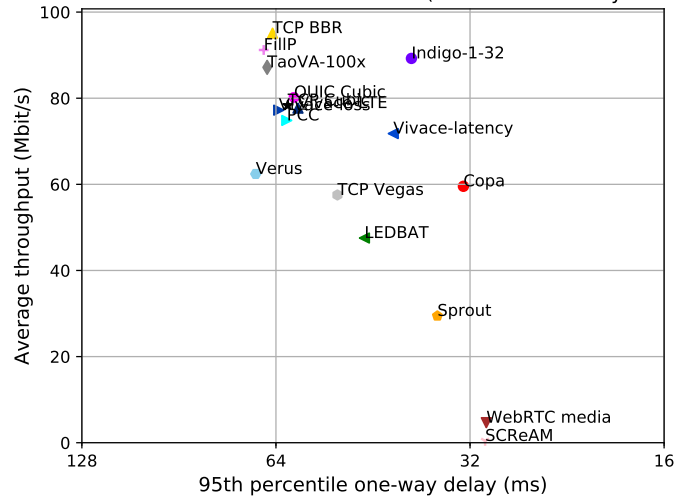
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

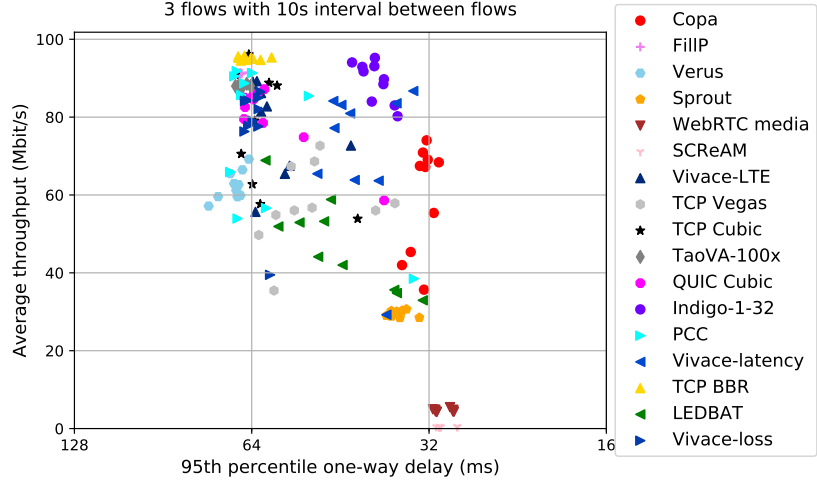
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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



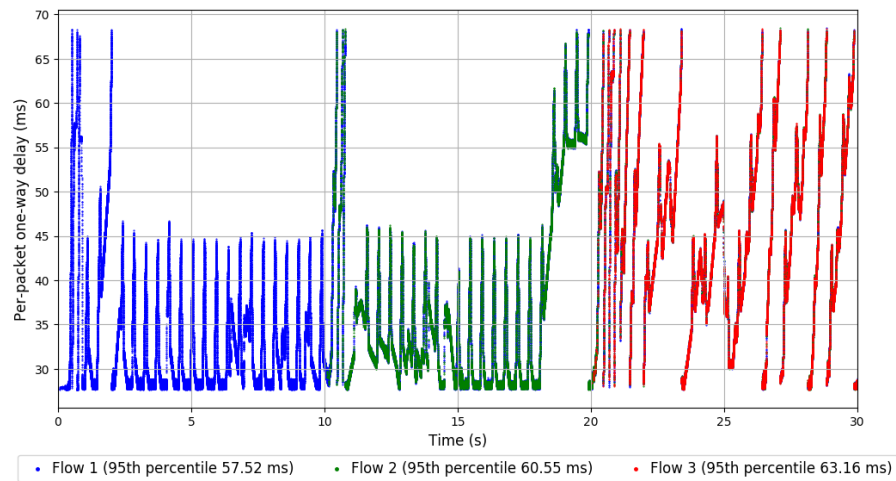
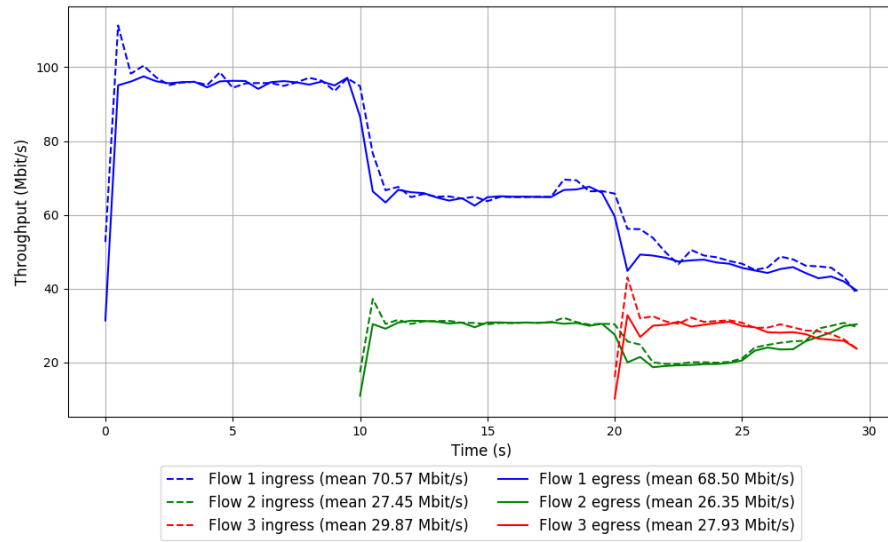
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	63.53	32.57	29.82	63.24	66.03	66.30	4.80	7.13	7.94
TCP Cubic	10	40.44	39.19	35.49	61.42	59.79	57.95	0.71	0.60	0.57
LEDBAT	10	26.80	21.76	18.96	45.64	46.84	45.95	0.27	0.28	0.30
PCC	10	49.96	29.79	15.38	60.11	62.45	62.85	5.47	7.88	8.27
QUIC Cubic	10	50.10	33.13	24.51	59.61	58.99	59.67	1.32	1.43	1.04
SCReAM	10	0.21	0.21	0.22	30.15	30.17	29.70	0.10	0.09	0.08
WebRTC media	10	2.48	1.56	0.63	29.96	29.93	30.47	0.08	0.14	0.09
Sprout	10	14.94	14.71	14.31	35.32	35.87	37.09	0.25	0.30	0.40
TaoVA-100x	10	52.31	38.86	28.09	64.08	66.48	67.10	13.83	24.36	17.86
TCP Vegas	10	30.07	27.04	28.52	47.11	46.07	41.22	0.85	0.33	0.78
Verus	10	38.69	25.55	26.11	68.95	67.73	67.51	39.79	36.54	36.14
Copa	10	32.18	29.62	23.02	31.49	33.23	34.74	0.15	0.18	0.22
FillP	10	53.66	39.45	34.16	65.39	67.71	68.10	13.79	24.53	28.55
Indigo-1-32	10	57.44	32.76	30.82	38.22	40.74	42.50	0.26	0.30	0.24
Vivace-latency	10	51.98	22.81	14.10	42.31	40.20	41.38	0.31	0.30	0.29
Vivace-loss	10	54.08	25.26	19.26	61.14	63.22	62.79	3.95	4.67	5.13
Vivace-LTE	10	54.44	28.02	14.12	57.88	60.18	58.43	1.92	1.73	1.88

Run 1: Statistics of TCP BBR

Start at: 2018-02-01 02:02:24
End at: 2018-02-01 02:02:54
Local clock offset: 1.272 ms
Remote clock offset: -4.005 ms

Below is generated by plot.py at 2018-02-01 06:50:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 59.231 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 57.524 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 60.554 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 63.161 ms
Loss rate: 6.49%

Run 1: Report of TCP BBR — Data Link

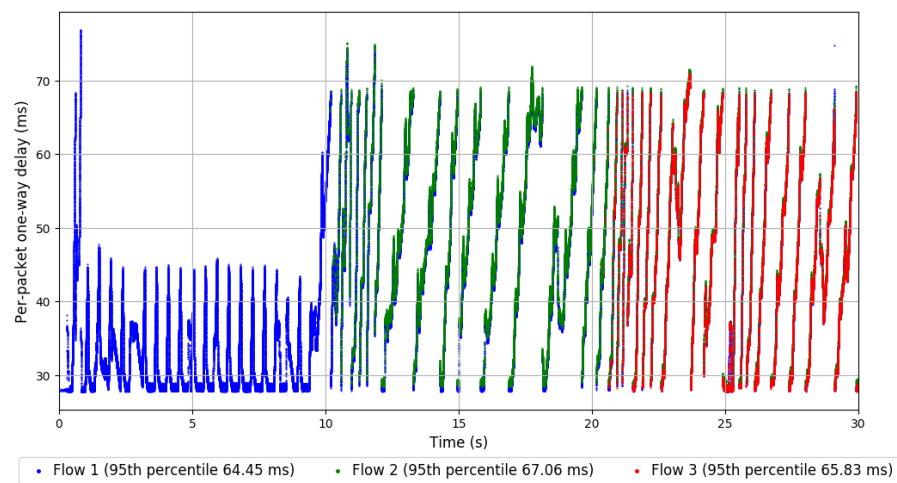
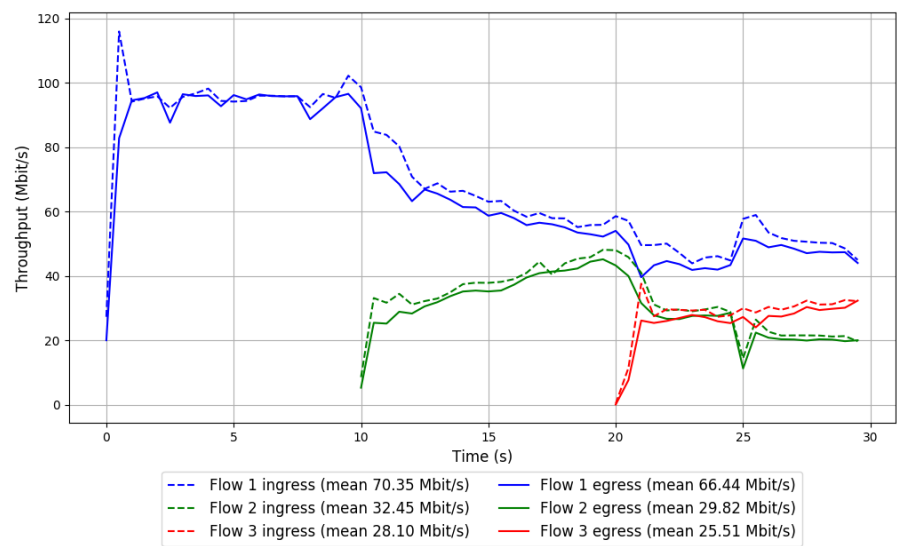


Run 2: Statistics of TCP BBR

Start at: 2018-02-01 02:28:54
End at: 2018-02-01 02:29:24
Local clock offset: 1.242 ms
Remote clock offset: -4.263 ms

Below is generated by plot.py at 2018-02-01 06:50:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 65.449 ms
Loss rate: 6.49%
-- Flow 1:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 64.451 ms
Loss rate: 5.55%
-- Flow 2:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 67.063 ms
Loss rate: 8.26%
-- Flow 3:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 65.832 ms
Loss rate: 9.48%

Run 2: Report of TCP BBR — Data Link

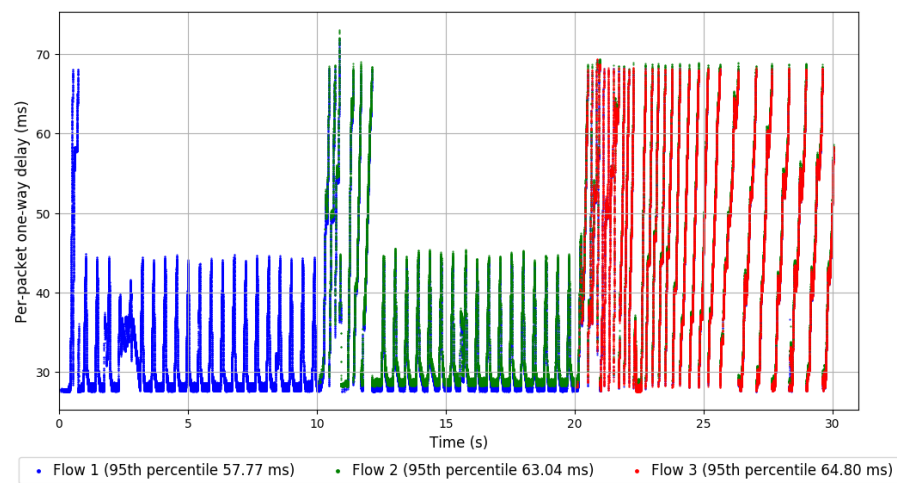
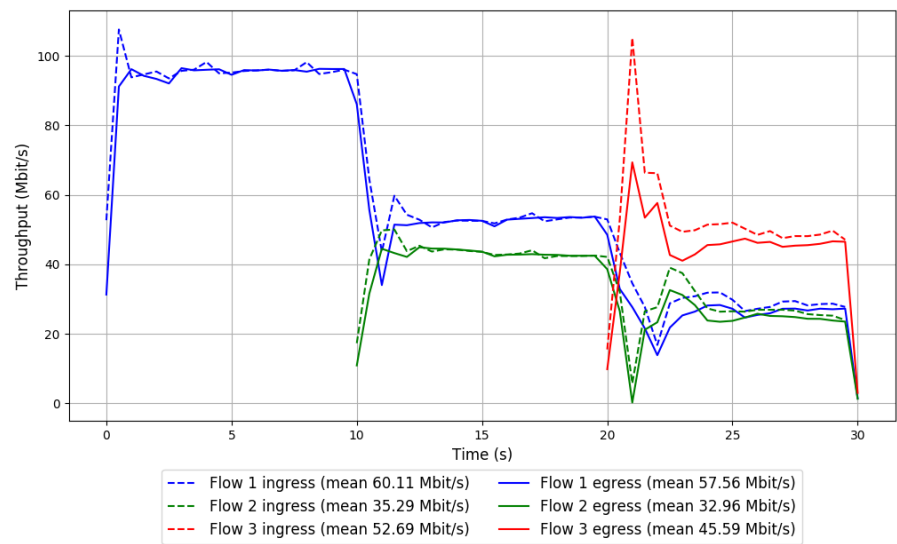


Run 3: Statistics of TCP BBR

Start at: 2018-02-01 02:53:46
End at: 2018-02-01 02:54:16
Local clock offset: 1.187 ms
Remote clock offset: -4.514 ms

Below is generated by plot.py at 2018-02-01 06:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 61.822 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 57.771 ms
Loss rate: 4.14%
-- Flow 2:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 63.043 ms
Loss rate: 6.46%
-- Flow 3:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 64.801 ms
Loss rate: 13.21%

Run 3: Report of TCP BBR — Data Link

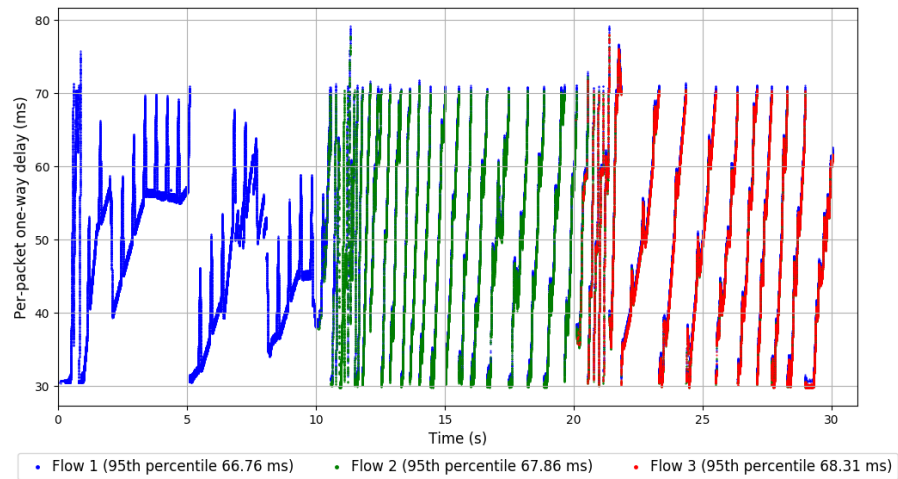
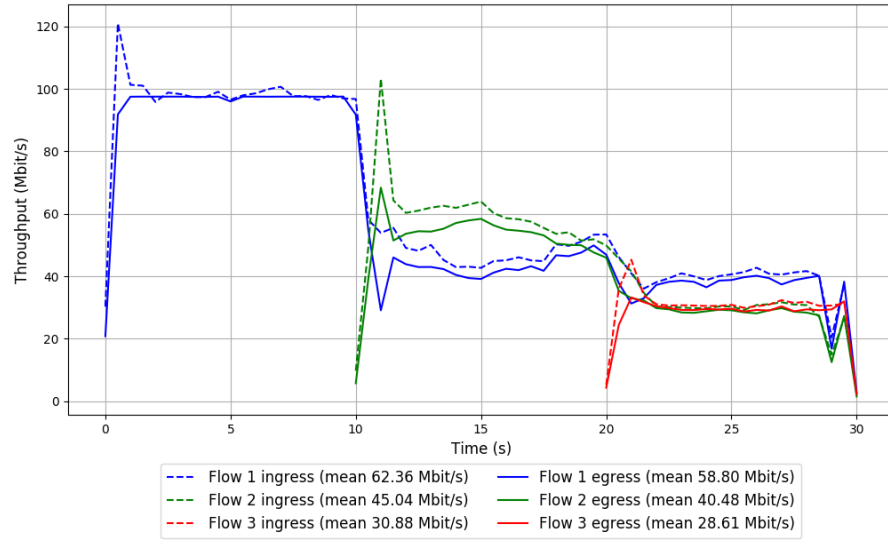


Run 4: Statistics of TCP BBR

Start at: 2018-02-01 03:20:27
End at: 2018-02-01 03:20:57
Local clock offset: 1.12 ms
Remote clock offset: -3.186 ms

Below is generated by plot.py at 2018-02-01 06:50:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 67.382 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 66.762 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 67.860 ms
Loss rate: 10.02%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 68.308 ms
Loss rate: 7.40%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-01 03:52:13

End at: 2018-02-01 03:52:43

Local clock offset: 1.015 ms

Remote clock offset: -4.03 ms

Below is generated by plot.py at 2018-02-01 06:50:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 65.848 ms

Loss rate: 4.67%

-- Flow 1:

Average throughput: 68.56 Mbit/s

95th percentile per-packet one-way delay: 64.980 ms

Loss rate: 4.08%

-- Flow 2:

Average throughput: 25.23 Mbit/s

95th percentile per-packet one-way delay: 67.095 ms

Loss rate: 5.83%

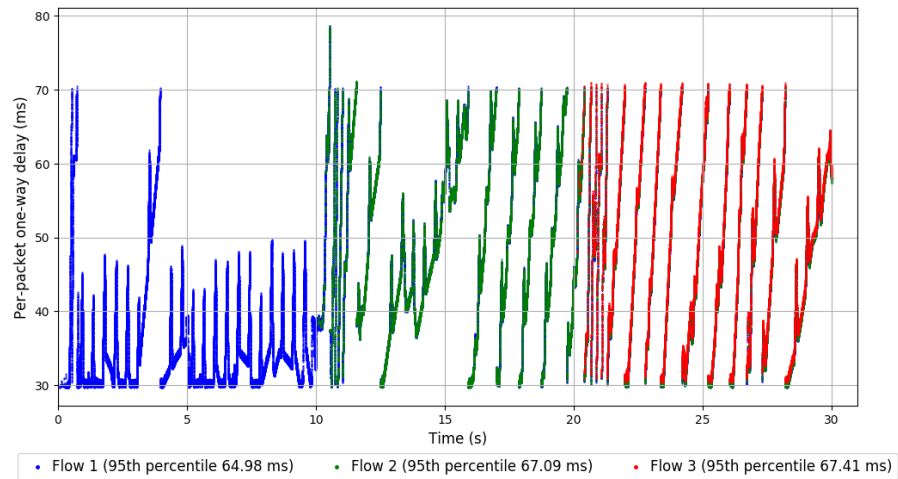
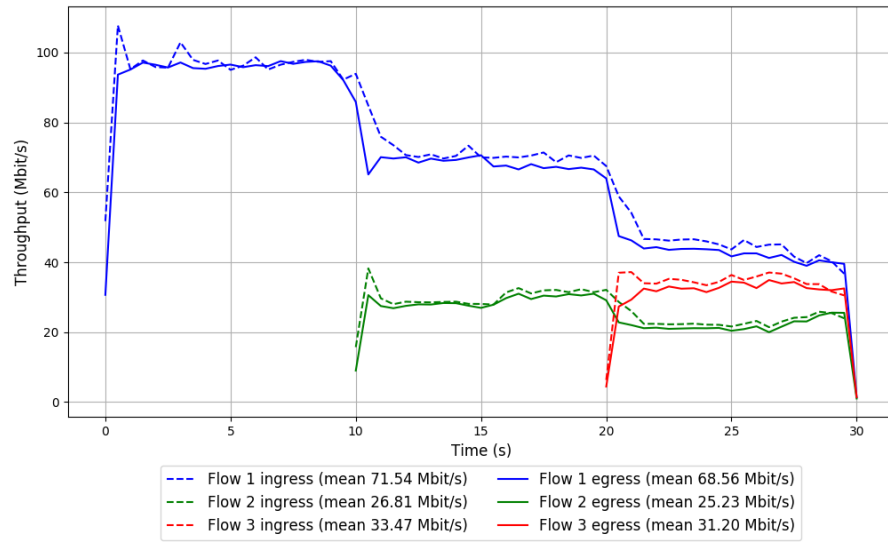
-- Flow 3:

Average throughput: 31.20 Mbit/s

95th percentile per-packet one-way delay: 67.405 ms

Loss rate: 6.64%

Run 5: Report of TCP BBR — Data Link

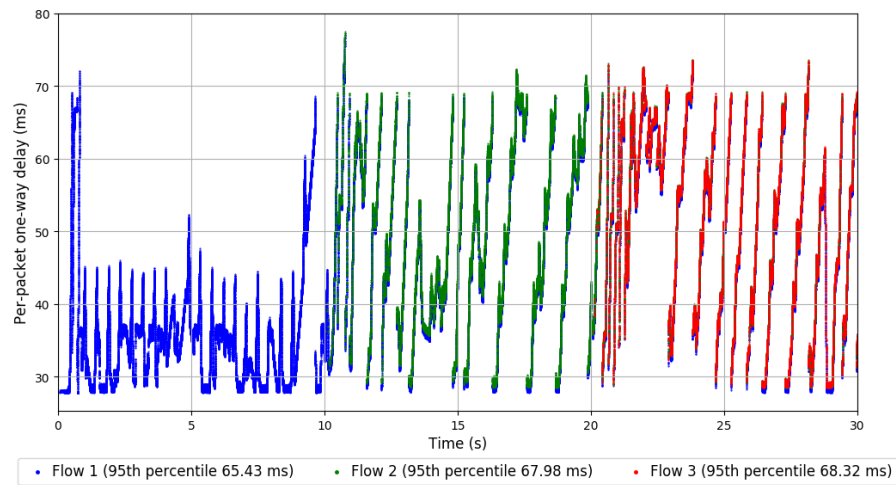
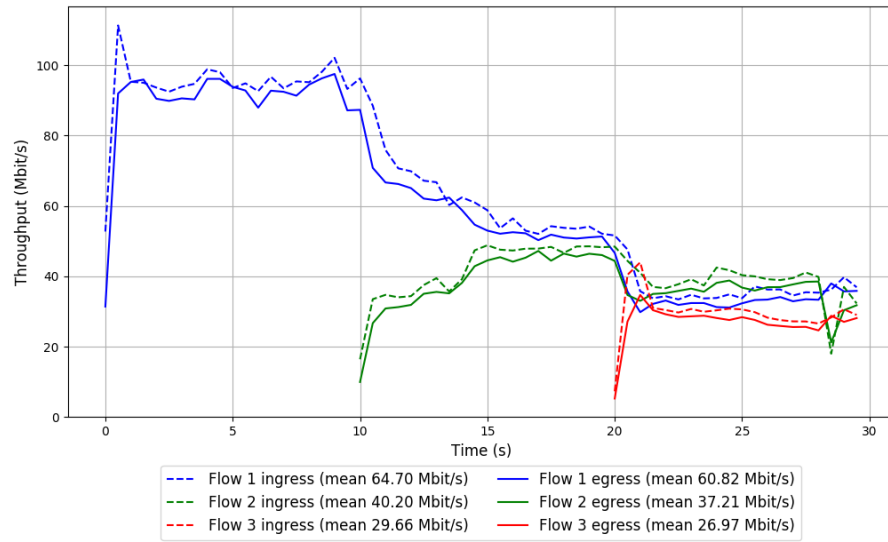


Run 6: Statistics of TCP BBR

Start at: 2018-02-01 04:22:16
End at: 2018-02-01 04:22:46
Local clock offset: 0.893 ms
Remote clock offset: -6.454 ms

Below is generated by plot.py at 2018-02-01 06:50:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 66.750 ms
Loss rate: 6.66%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 65.426 ms
Loss rate: 5.98%
-- Flow 2:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 67.976 ms
Loss rate: 7.44%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 68.318 ms
Loss rate: 9.08%

Run 6: Report of TCP BBR — Data Link

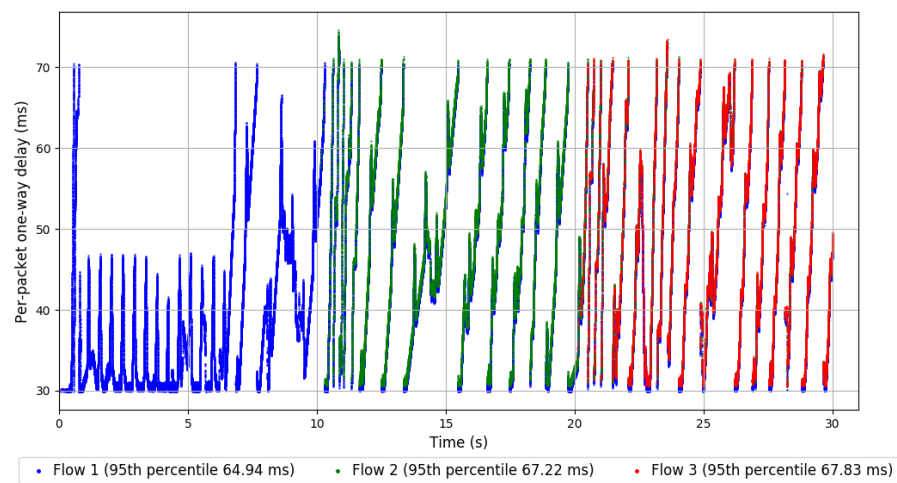
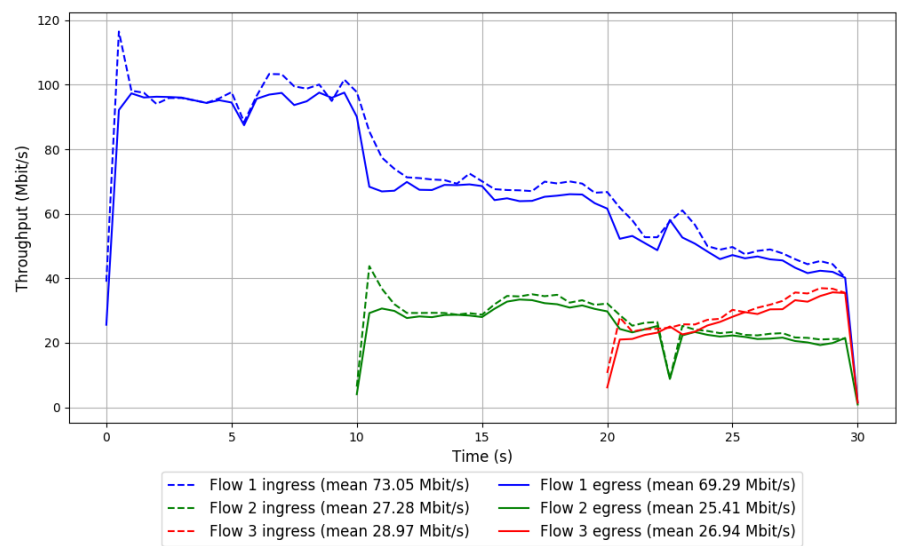


Run 7: Statistics of TCP BBR

Start at: 2018-02-01 04:49:55
End at: 2018-02-01 04:50:25
Local clock offset: 0.882 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-02-01 06:50:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 65.904 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 69.29 Mbit/s
95th percentile per-packet one-way delay: 64.935 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 67.224 ms
Loss rate: 6.87%
-- Flow 3:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 6.85%

Run 7: Report of TCP BBR — Data Link

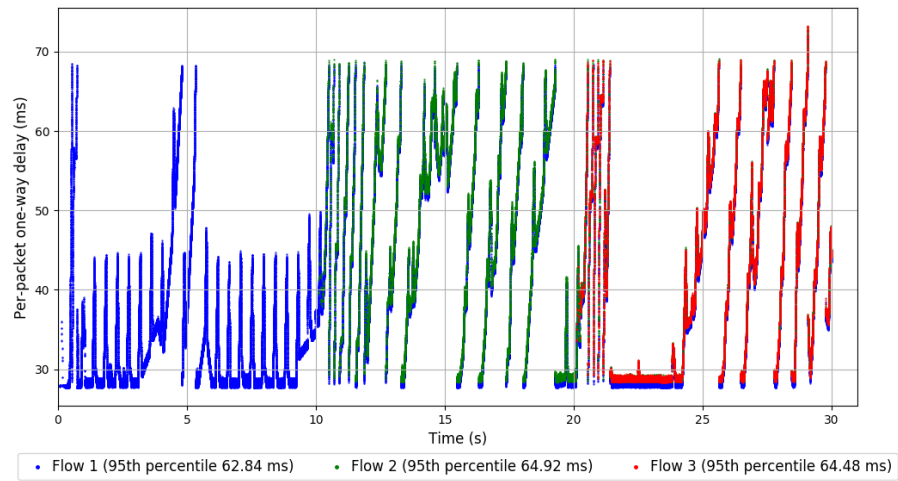
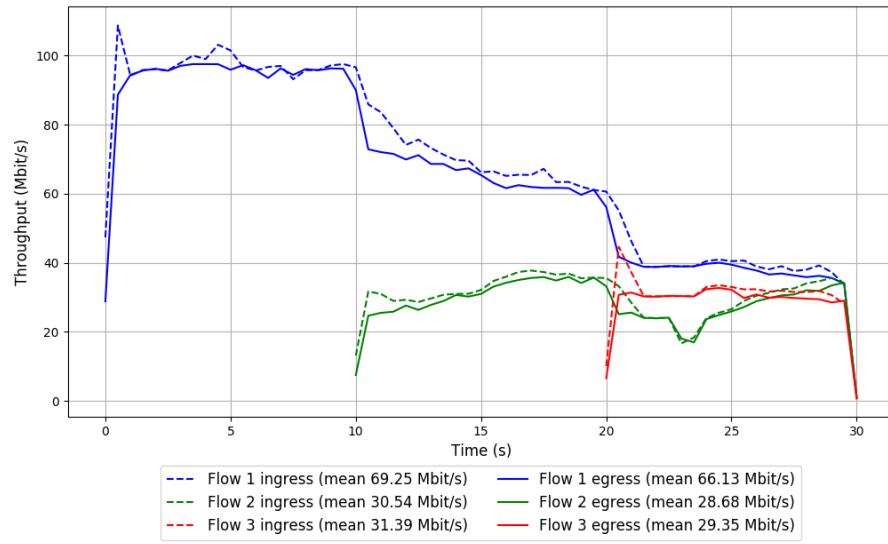


Run 8: Statistics of TCP BBR

Start at: 2018-02-01 05:17:39
End at: 2018-02-01 05:18:09
Local clock offset: 0.888 ms
Remote clock offset: -6.064 ms

Below is generated by plot.py at 2018-02-01 06:50:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 63.666 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 62.835 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 64.925 ms
Loss rate: 6.06%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 64.479 ms
Loss rate: 6.38%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-01 05:45:44

End at: 2018-02-01 05:46:14

Local clock offset: 0.891 ms

Remote clock offset: -4.86 ms

Below is generated by plot.py at 2018-02-01 06:52:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 64.235 ms

Loss rate: 6.90%

-- Flow 1:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 60.978 ms

Loss rate: 4.89%

-- Flow 2:

Average throughput: 45.91 Mbit/s

95th percentile per-packet one-way delay: 65.777 ms

Loss rate: 9.81%

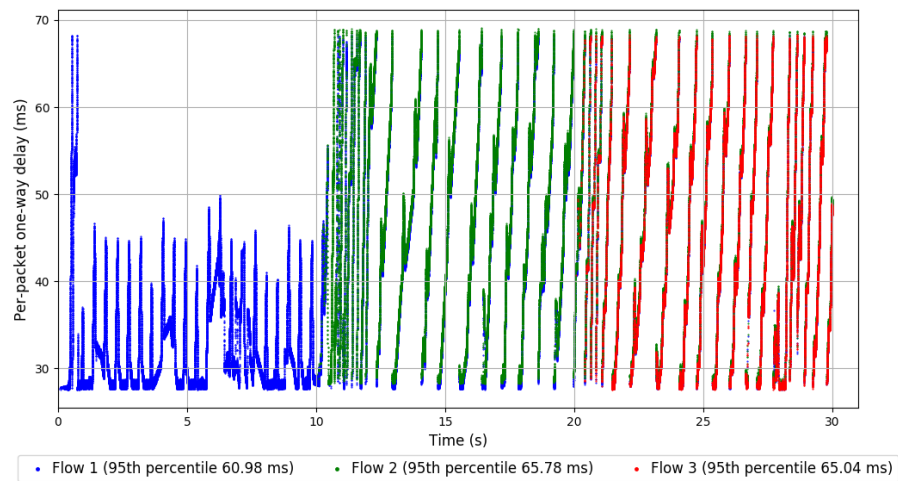
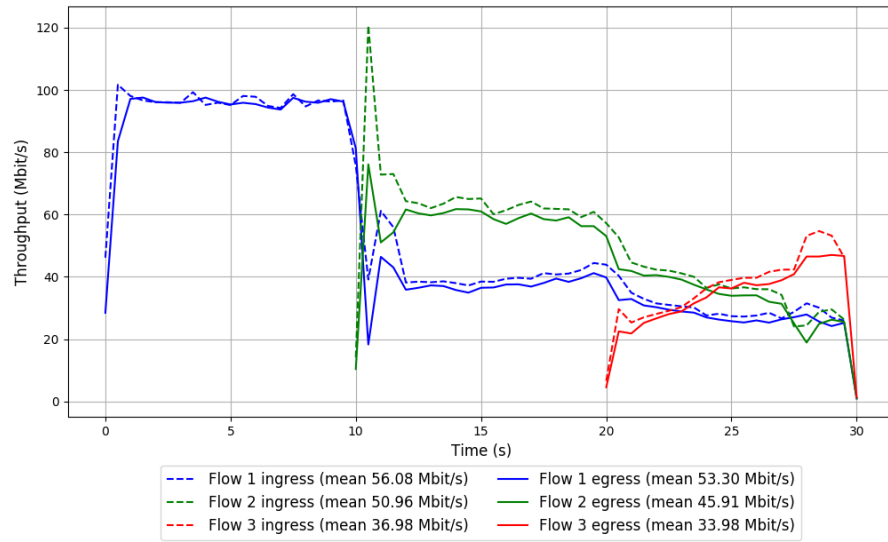
-- Flow 3:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 65.038 ms

Loss rate: 8.04%

Run 9: Report of TCP BBR — Data Link

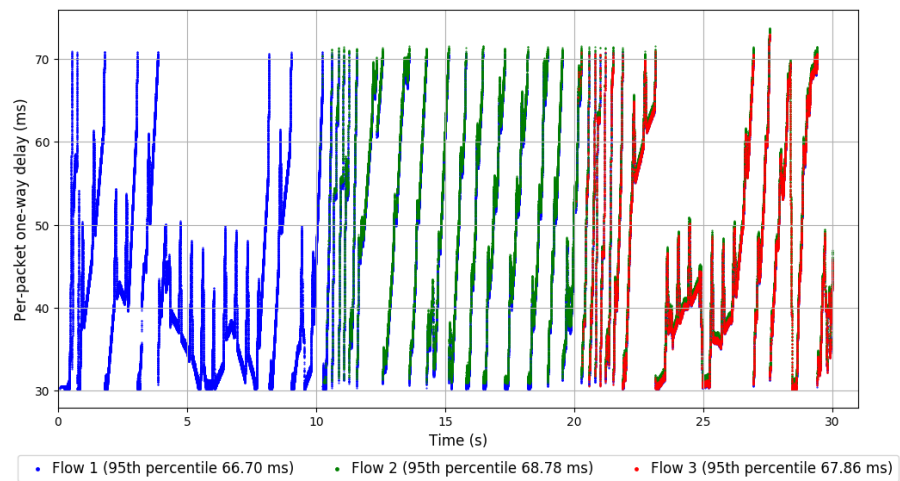
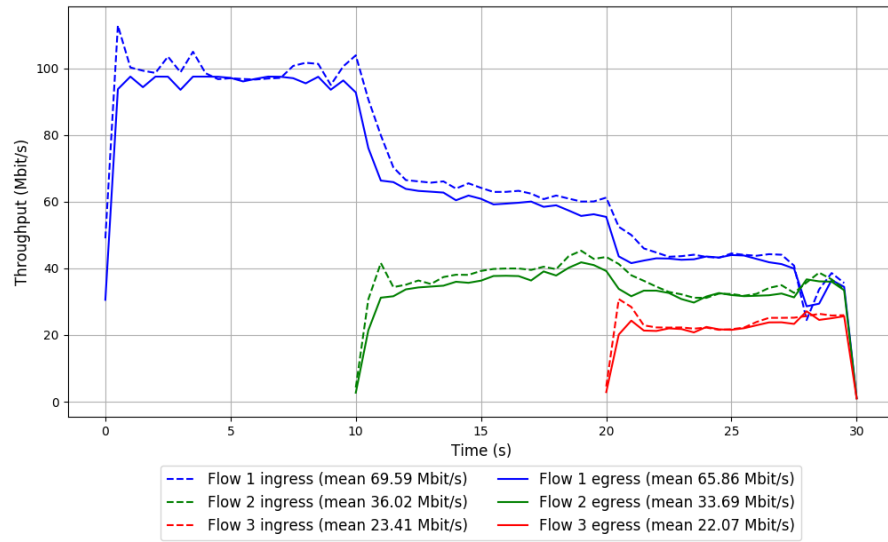


Run 10: Statistics of TCP BBR

Start at: 2018-02-01 06:14:34
End at: 2018-02-01 06:15:04
Local clock offset: 0.9 ms
Remote clock offset: -1.243 ms

Below is generated by plot.py at 2018-02-01 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 67.488 ms
Loss rate: 5.63%
-- Flow 1:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 66.699 ms
Loss rate: 5.31%
-- Flow 2:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 68.785 ms
Loss rate: 6.50%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 67.858 ms
Loss rate: 5.81%

Run 10: Report of TCP BBR — Data Link

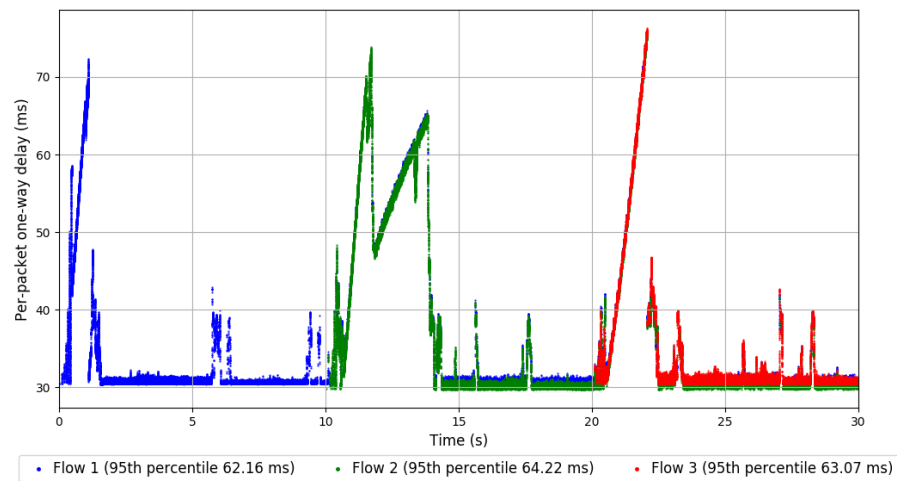
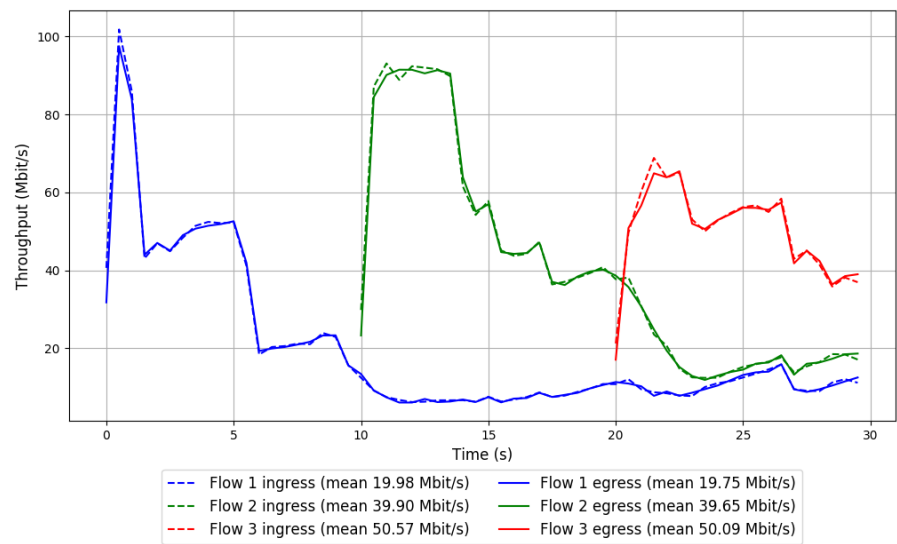


Run 1: Statistics of TCP Cubic

Start at: 2018-02-01 02:03:53
End at: 2018-02-01 02:04:23
Local clock offset: 1.275 ms
Remote clock offset: -1.968 ms

Below is generated by plot.py at 2018-02-01 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 63.837 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 62.155 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 64.219 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: 63.071 ms
Loss rate: 0.93%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-02-01 02:30:22

End at: 2018-02-01 02:30:52

Local clock offset: 1.267 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at 2018-02-01 06:52:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 61.889 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 22.22 Mbit/s

95th percentile per-packet one-way delay: 56.955 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 61.208 ms

Loss rate: 1.17%

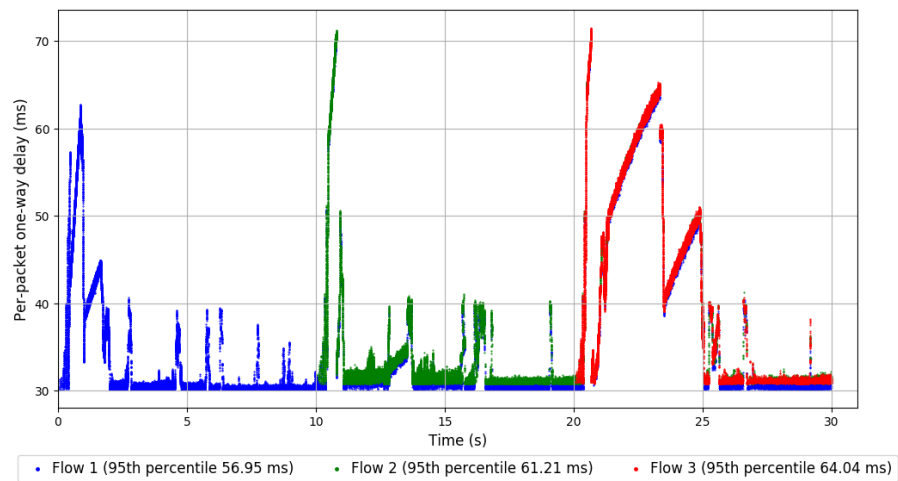
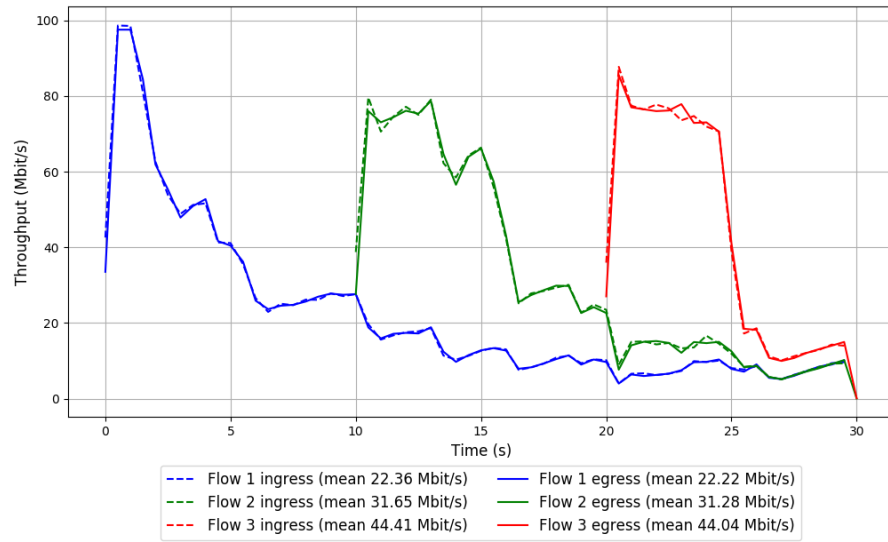
-- Flow 3:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 64.044 ms

Loss rate: 0.84%

Run 2: Report of TCP Cubic — Data Link

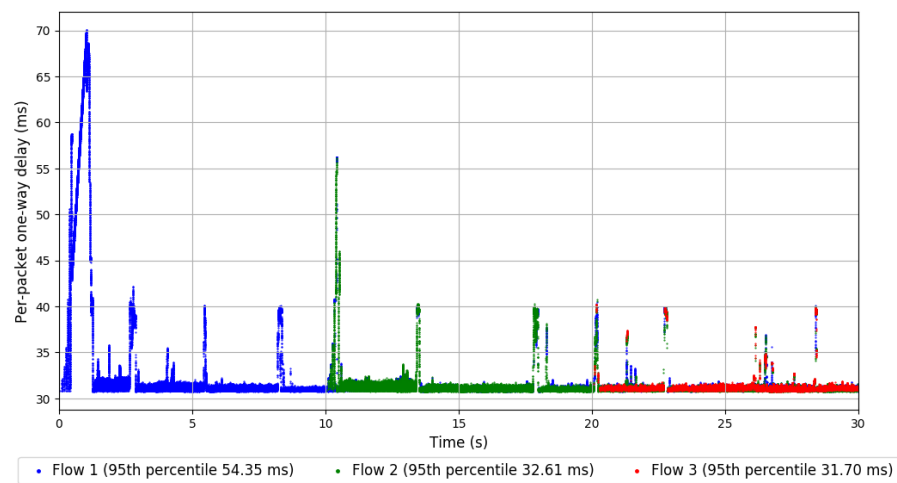
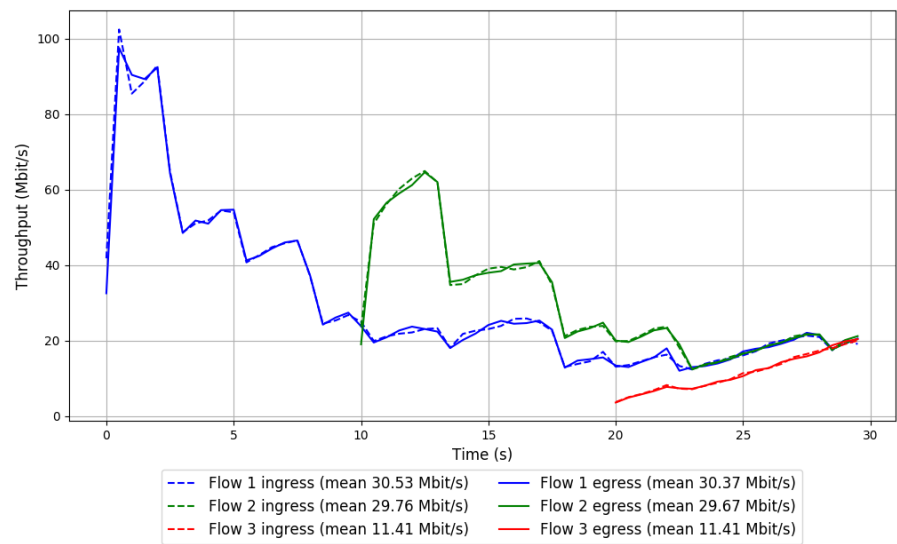


Run 3: Statistics of TCP Cubic

Start at: 2018-02-01 02:55:10
End at: 2018-02-01 02:55:40
Local clock offset: 1.202 ms
Remote clock offset: -1.948 ms

Below is generated by plot.py at 2018-02-01 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 42.298 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 54.355 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 32.613 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 31.705 ms
Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link

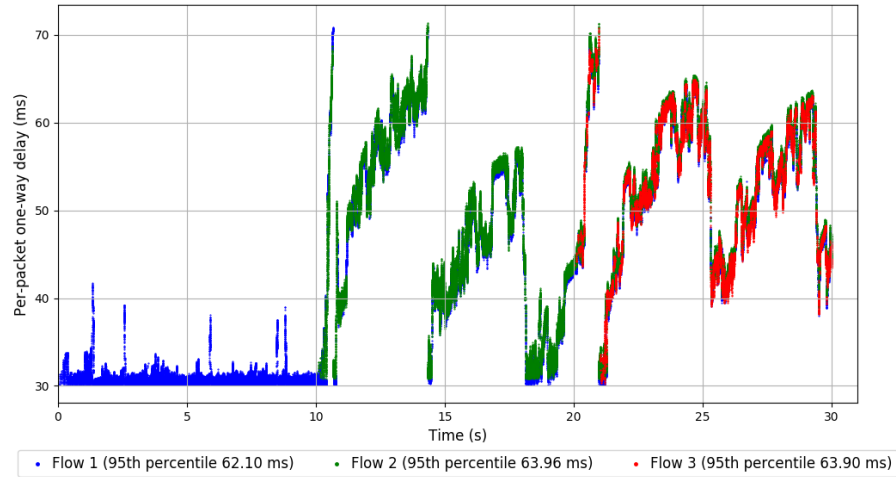
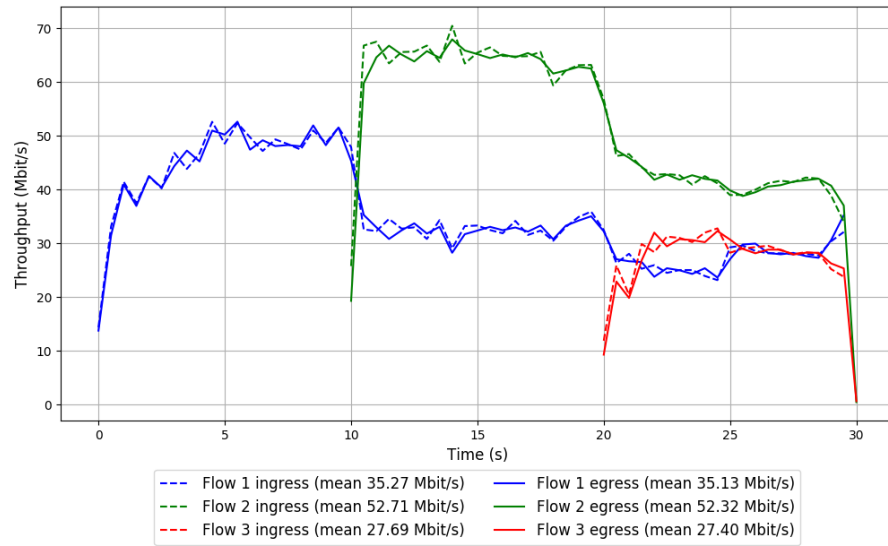


Run 4: Statistics of TCP Cubic

Start at: 2018-02-01 03:22:35
End at: 2018-02-01 03:23:05
Local clock offset: 1.115 ms
Remote clock offset: -2.873 ms

Below is generated by plot.py at 2018-02-01 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.08 Mbit/s
95th percentile per-packet one-way delay: 63.265 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 62.104 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 63.960 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 27.40 Mbit/s
95th percentile per-packet one-way delay: 63.898 ms
Loss rate: 1.05%

Run 4: Report of TCP Cubic — Data Link

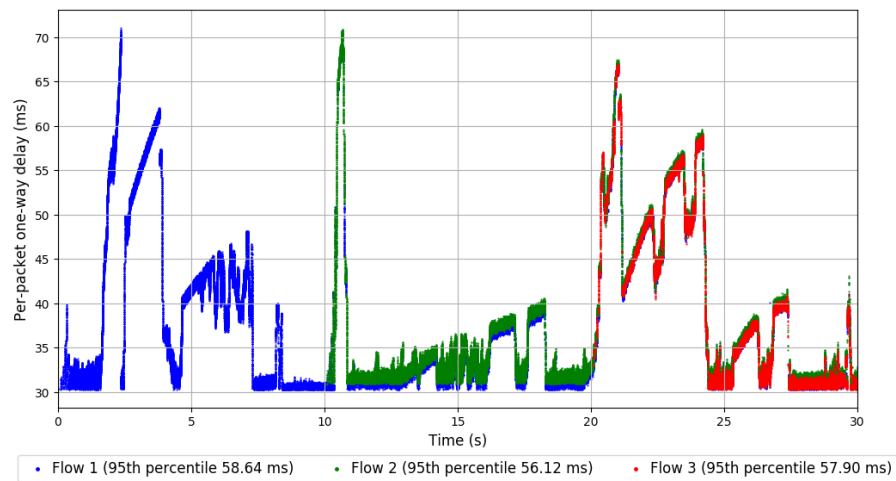
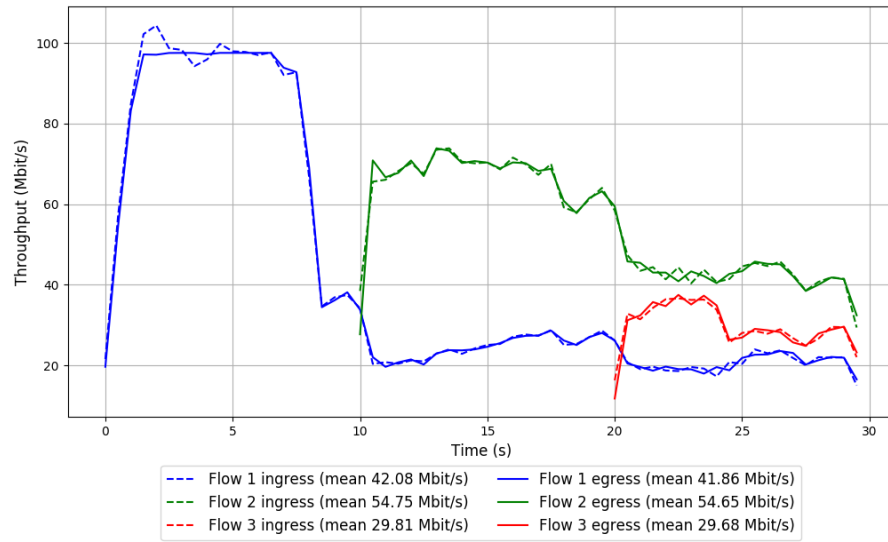


Run 5: Statistics of TCP Cubic

Start at: 2018-02-01 03:54:00
End at: 2018-02-01 03:54:30
Local clock offset: 0.985 ms
Remote clock offset: -3.499 ms

Below is generated by plot.py at 2018-02-01 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 57.947 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 58.641 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 56.115 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 57.901 ms
Loss rate: 0.45%

Run 5: Report of TCP Cubic — Data Link

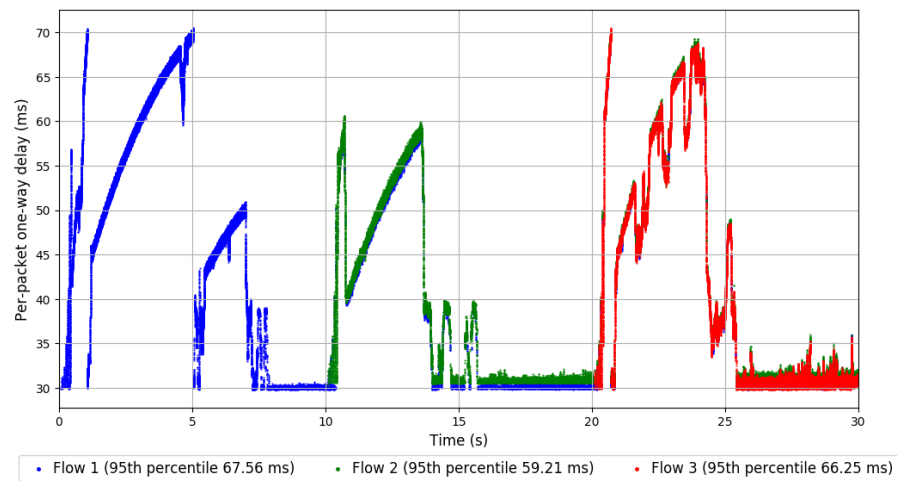
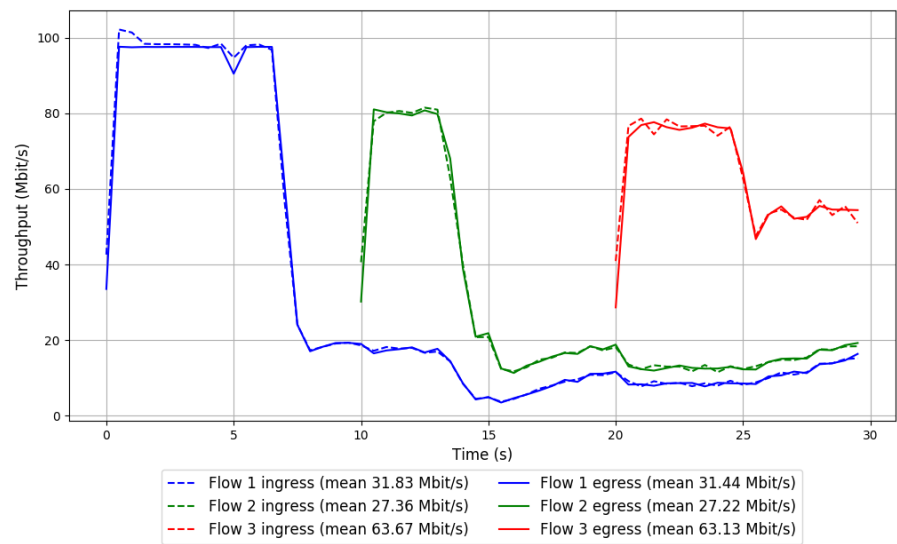


Run 6: Statistics of TCP Cubic

Start at: 2018-02-01 04:23:43
End at: 2018-02-01 04:24:13
Local clock offset: 0.96 ms
Remote clock offset: -4.384 ms

Below is generated by plot.py at 2018-02-01 06:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 66.687 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 67.557 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 59.213 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 66.255 ms
Loss rate: 0.83%

Run 6: Report of TCP Cubic — Data Link

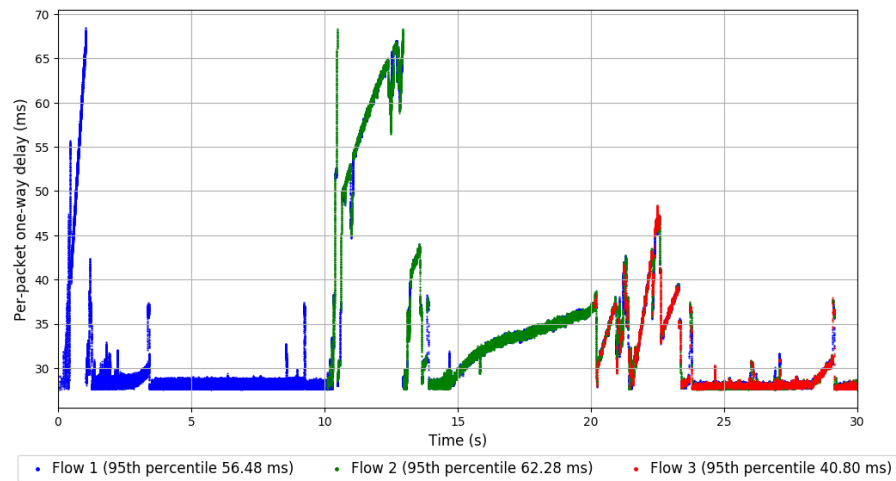
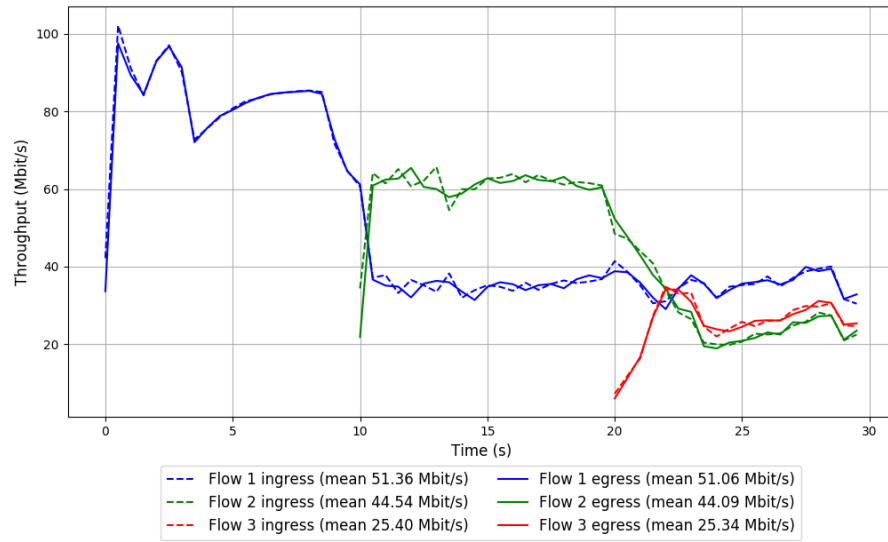


Run 7: Statistics of TCP Cubic

Start at: 2018-02-01 04:51:28
End at: 2018-02-01 04:51:58
Local clock offset: 0.959 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-02-01 06:53:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.82 Mbit/s
95th percentile per-packet one-way delay: 59.813 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 56.484 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 62.283 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 40.797 ms
Loss rate: 0.32%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-02-01 05:19:09

End at: 2018-02-01 05:19:39

Local clock offset: 0.86 ms

Remote clock offset: -3.38 ms

Below is generated by plot.py at 2018-02-01 06:53:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 68.283 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 68.496 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 55.05 Mbit/s

95th percentile per-packet one-way delay: 67.256 ms

Loss rate: 0.71%

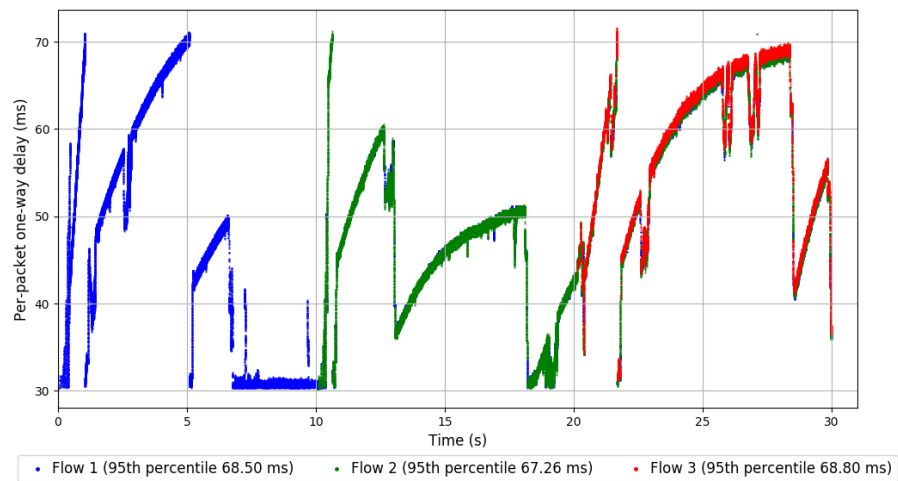
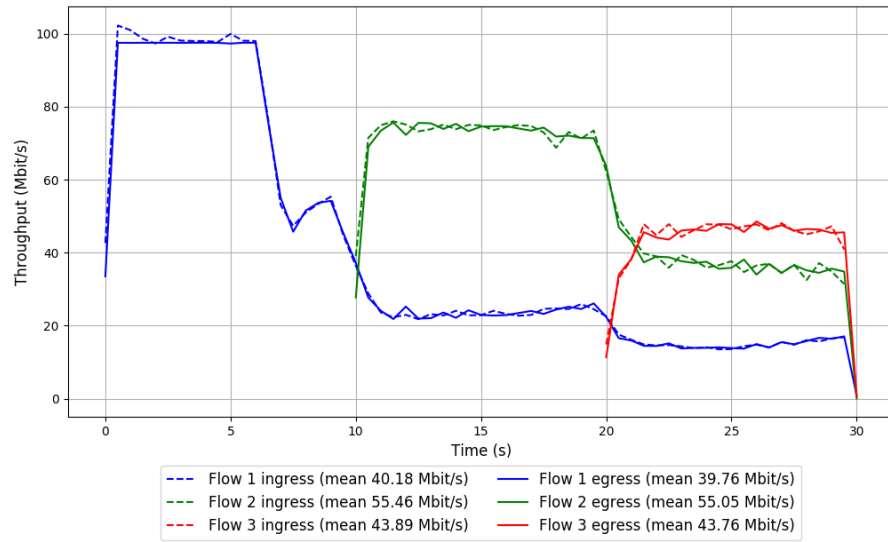
-- Flow 3:

Average throughput: 43.76 Mbit/s

95th percentile per-packet one-way delay: 68.798 ms

Loss rate: 0.38%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-02-01 05:47:24

End at: 2018-02-01 05:47:54

Local clock offset: 0.891 ms

Remote clock offset: -2.73 ms

Below is generated by plot.py at 2018-02-01 06:53:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 64.961 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 60.49 Mbit/s

95th percentile per-packet one-way delay: 64.627 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 65.956 ms

Loss rate: 0.21%

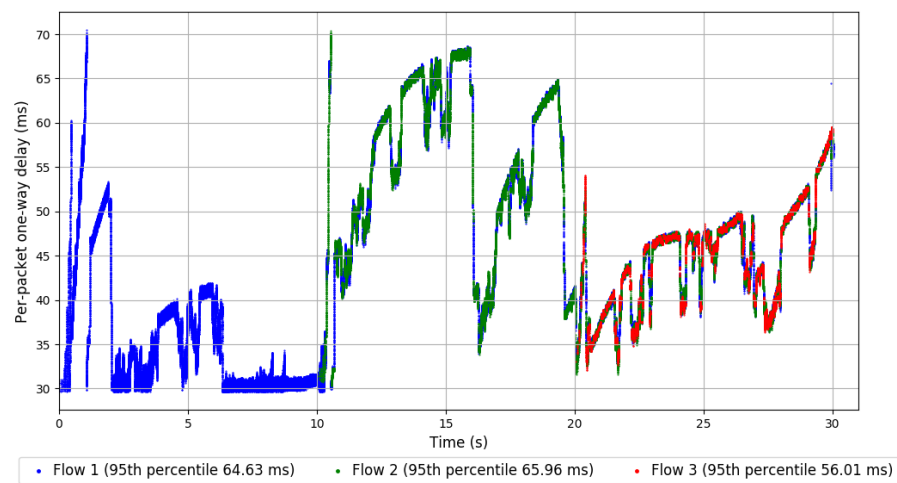
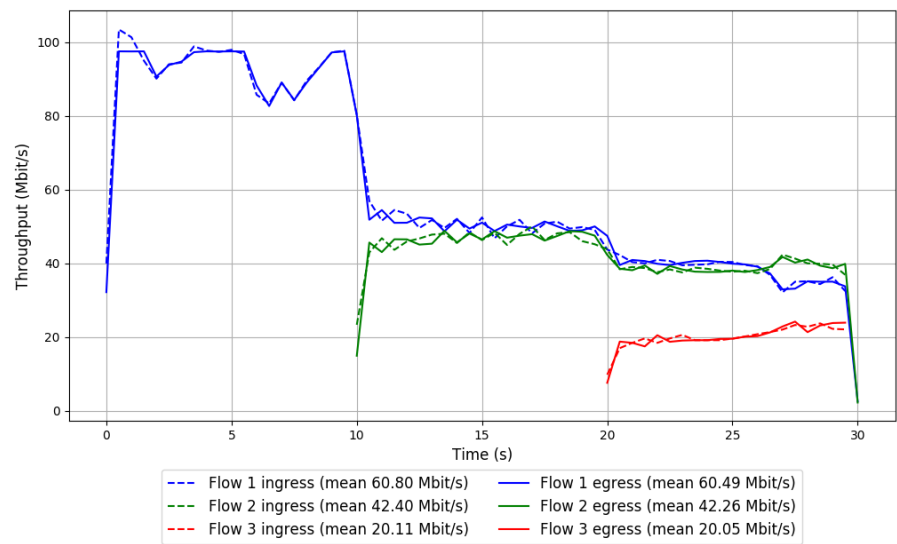
-- Flow 3:

Average throughput: 20.05 Mbit/s

95th percentile per-packet one-way delay: 56.009 ms

Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link

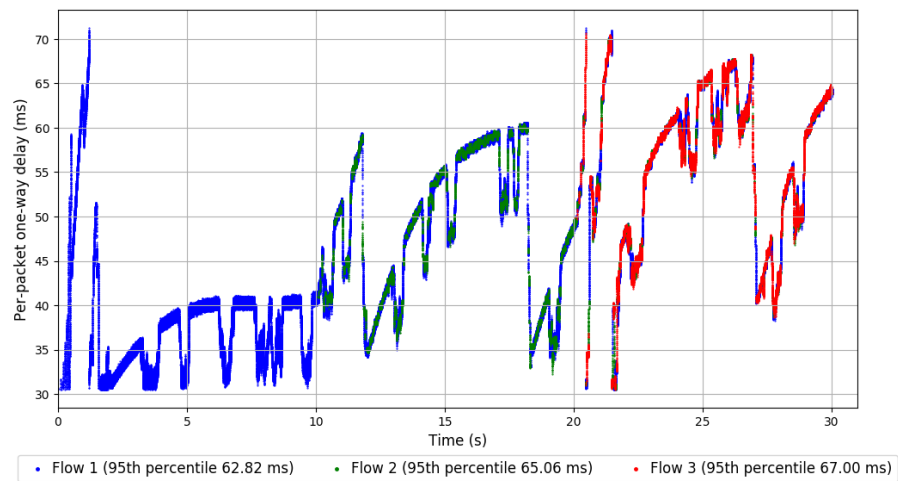
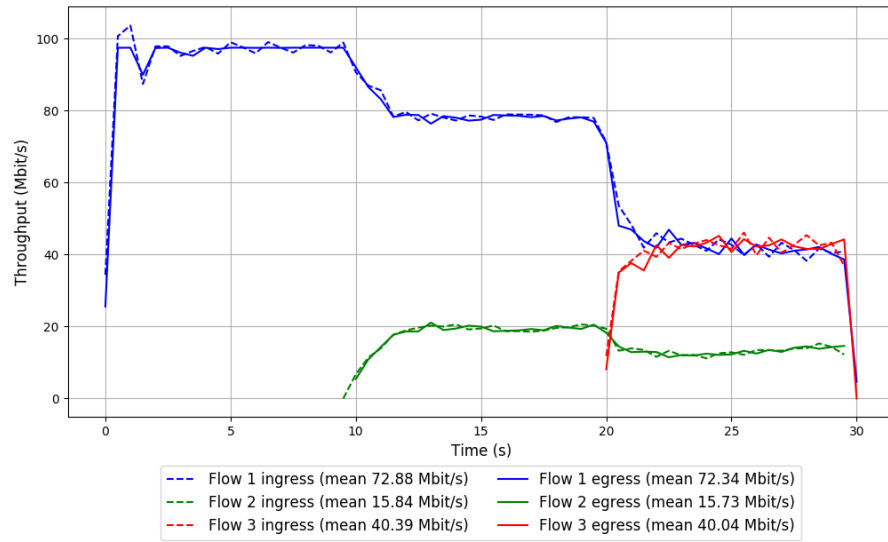


Run 10: Statistics of TCP Cubic

Start at: 2018-02-01 06:16:13
End at: 2018-02-01 06:16:43
Local clock offset: 0.827 ms
Remote clock offset: -1.636 ms

Below is generated by plot.py at 2018-02-01 06:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 64.730 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 72.34 Mbit/s
95th percentile per-packet one-way delay: 62.818 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 65.055 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 67.001 ms
Loss rate: 0.72%

Run 10: Report of TCP Cubic — Data Link

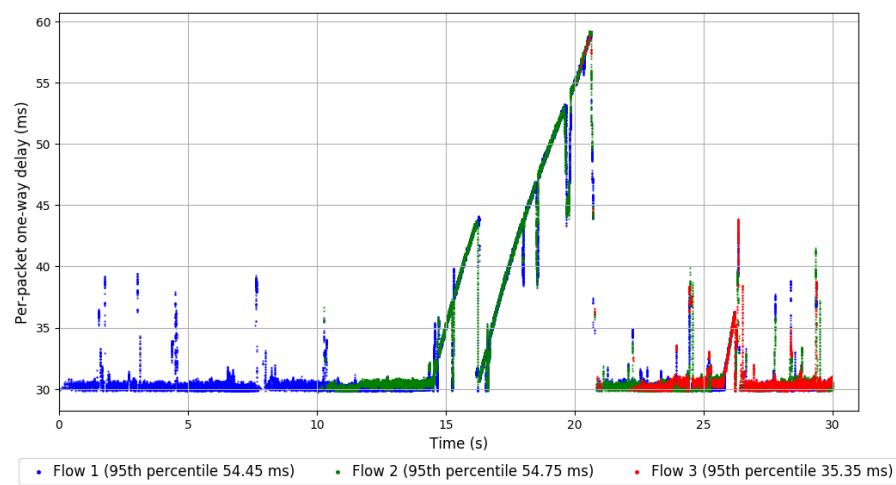
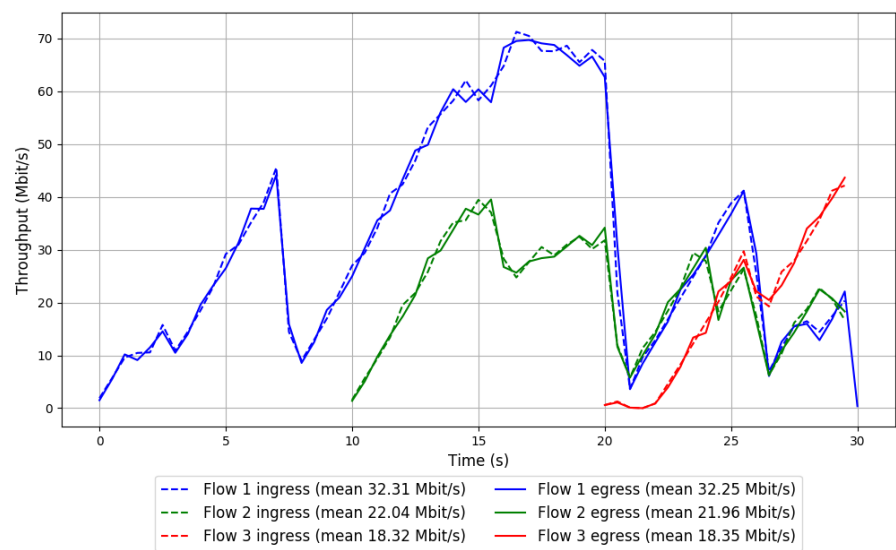


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-01 01:55:06
End at: 2018-02-01 01:55:36
Local clock offset: 1.417 ms
Remote clock offset: -1.534 ms

# Below is generated by plot.py at 2018-02-01 06:53:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 53.104 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 54.450 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 54.750 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 35.352 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

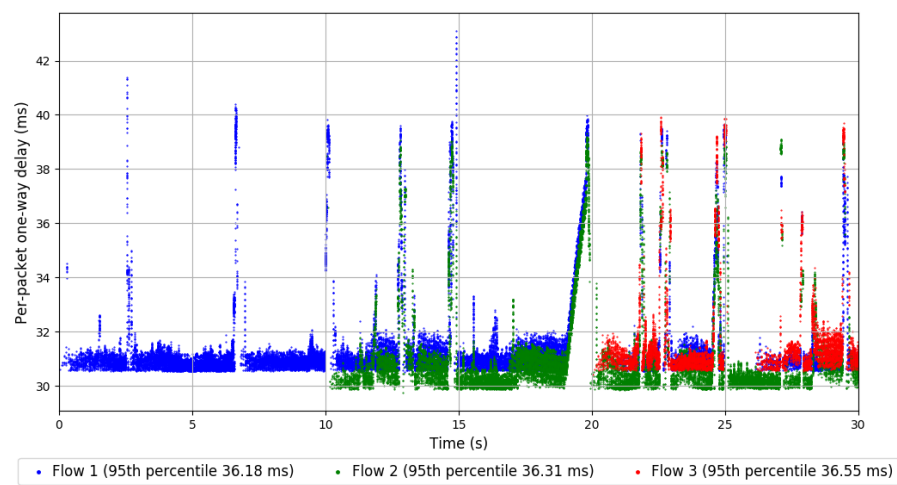
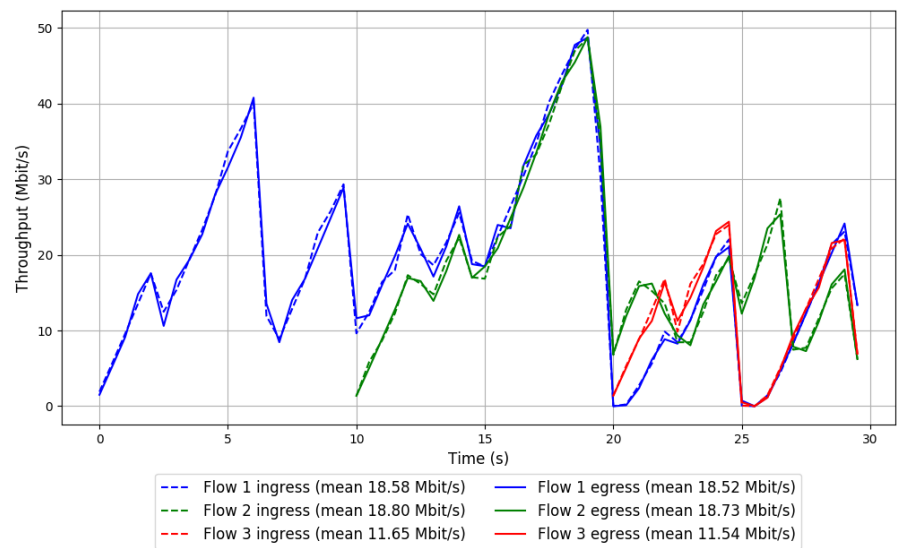


Run 2: Statistics of LEDBAT

Start at: 2018-02-01 02:21:43
End at: 2018-02-01 02:22:13
Local clock offset: 1.196 ms
Remote clock offset: -2.129 ms

Below is generated by plot.py at 2018-02-01 06:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 36.296 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 36.177 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 36.306 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 36.548 ms
Loss rate: 0.96%

Run 2: Report of LEDBAT — Data Link

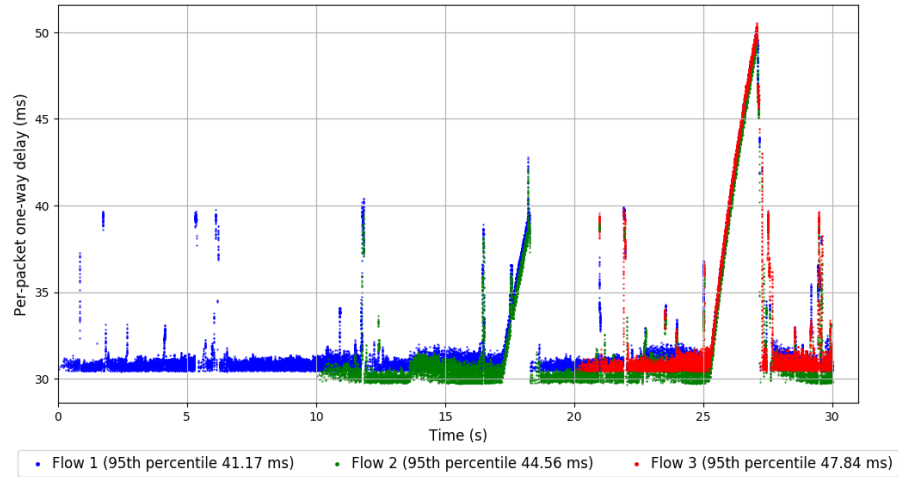
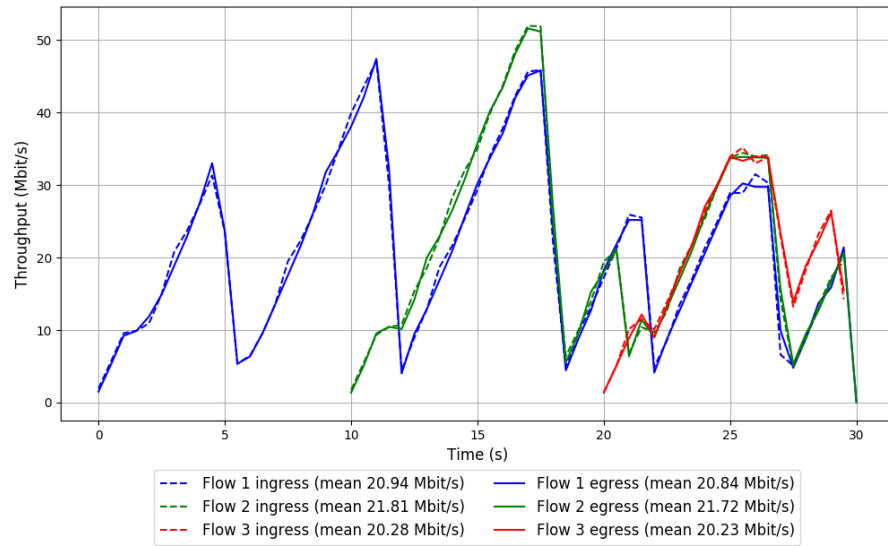


Run 3: Statistics of LEDBAT

Start at: 2018-02-01 02:46:57
End at: 2018-02-01 02:47:27
Local clock offset: 1.13 ms
Remote clock offset: -2.376 ms

Below is generated by plot.py at 2018-02-01 06:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 44.880 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 41.168 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 44.559 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 47.839 ms
Loss rate: 0.23%

Run 3: Report of LEDBAT — Data Link

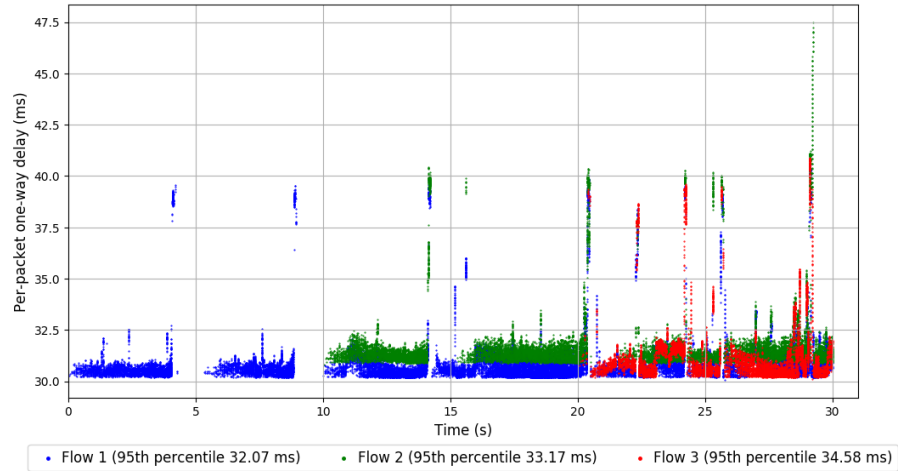
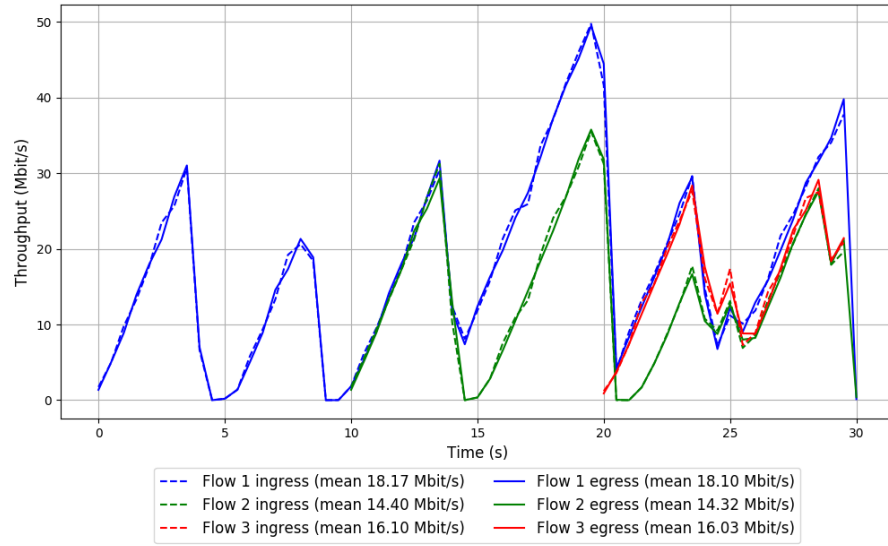


Run 4: Statistics of LEDBAT

Start at: 2018-02-01 03:12:24
End at: 2018-02-01 03:12:54
Local clock offset: 1.179 ms
Remote clock offset: -2.425 ms

Below is generated by plot.py at 2018-02-01 06:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 32.802 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 32.074 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 33.173 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 34.584 ms
Loss rate: 0.45%

Run 4: Report of LEDBAT — Data Link

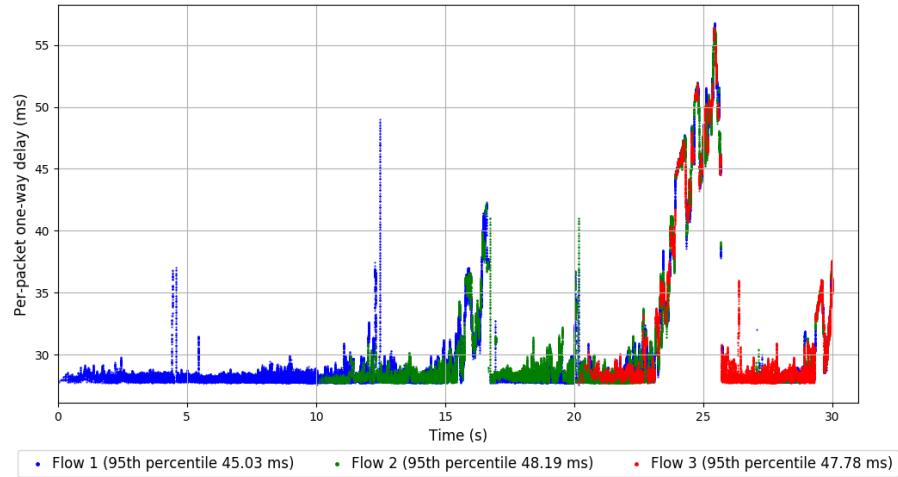
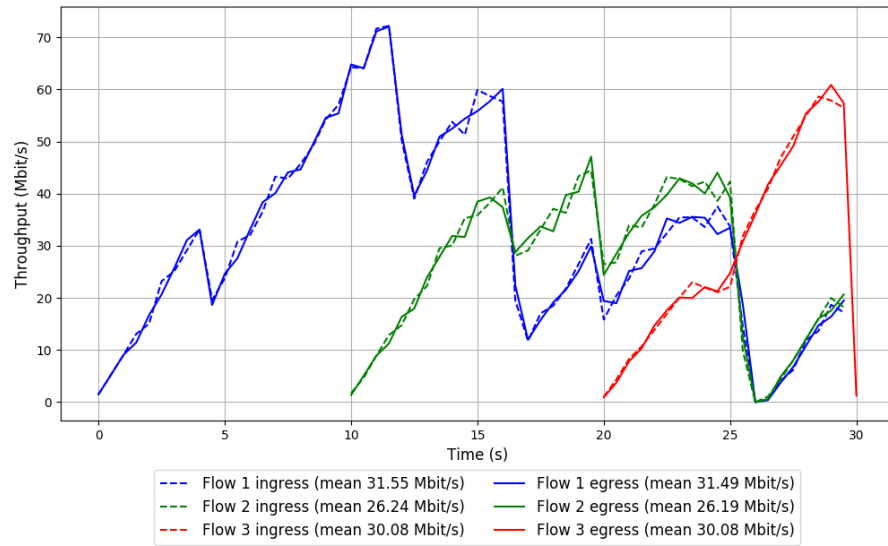


Run 5: Statistics of LEDBAT

Start at: 2018-02-01 03:44:06
End at: 2018-02-01 03:44:36
Local clock offset: 0.919 ms
Remote clock offset: -5.816 ms

Below is generated by plot.py at 2018-02-01 06:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 46.961 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 45.030 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 48.192 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 47.784 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

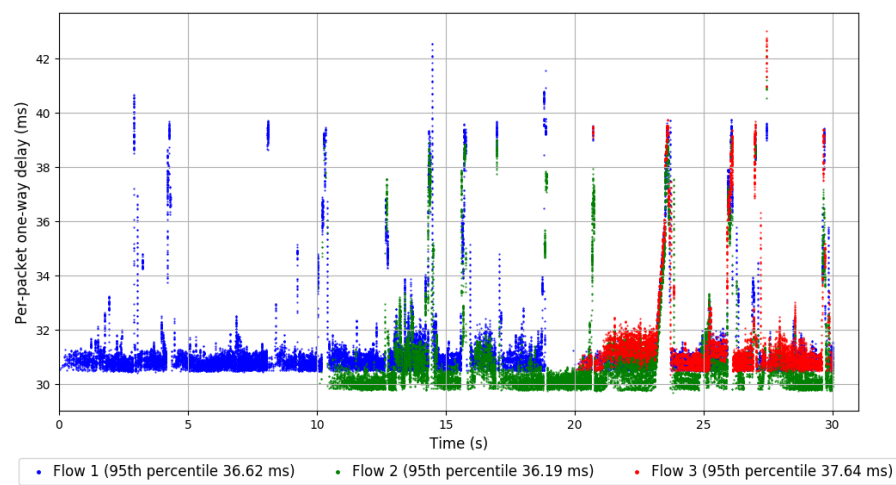
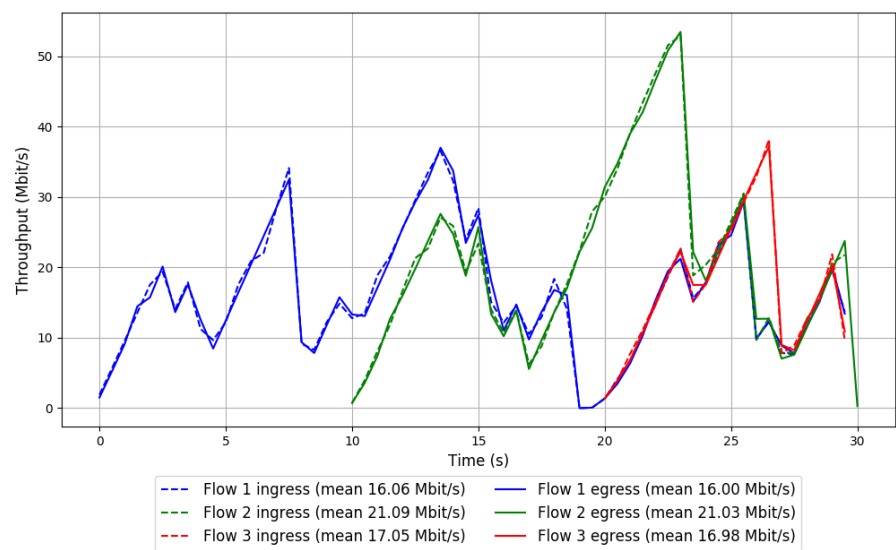


Run 6: Statistics of LEDBAT

Start at: 2018-02-01 04:15:01
End at: 2018-02-01 04:15:31
Local clock offset: 0.944 ms
Remote clock offset: -4.345 ms

Below is generated by plot.py at 2018-02-01 06:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 36.657 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 36.622 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 36.185 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 37.643 ms
Loss rate: 0.42%

Run 6: Report of LEDBAT — Data Link

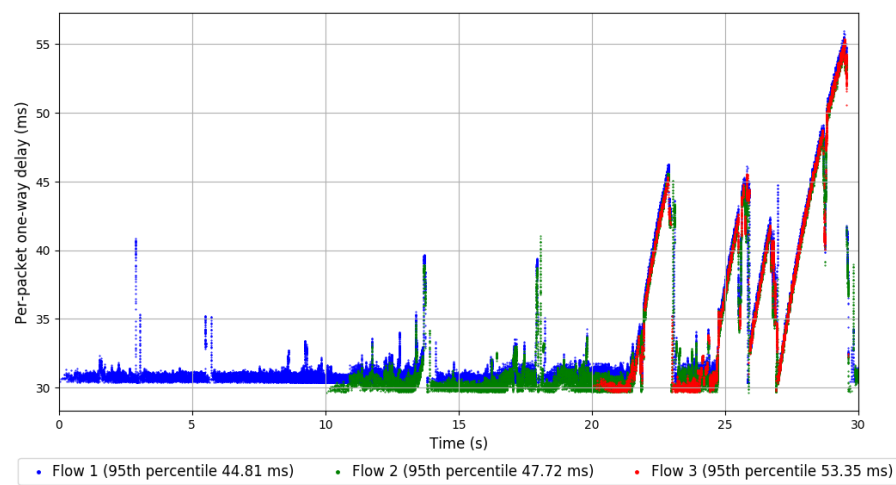
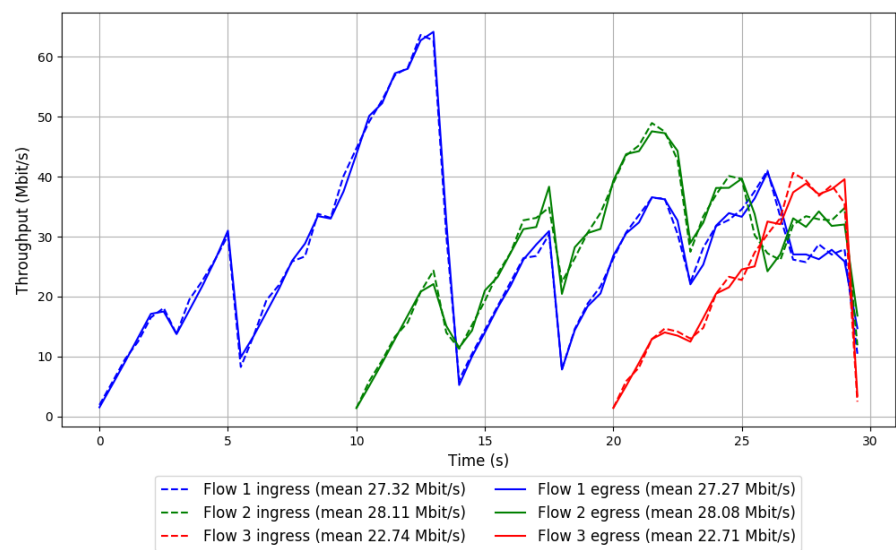


Run 7: Statistics of LEDBAT

Start at: 2018-02-01 04:42:09
End at: 2018-02-01 04:42:39
Local clock offset: 0.955 ms
Remote clock offset: -4.579 ms

Below is generated by plot.py at 2018-02-01 06:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 48.233 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 44.815 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 47.724 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 53.347 ms
Loss rate: 0.12%

Run 7: Report of LEDBAT — Data Link

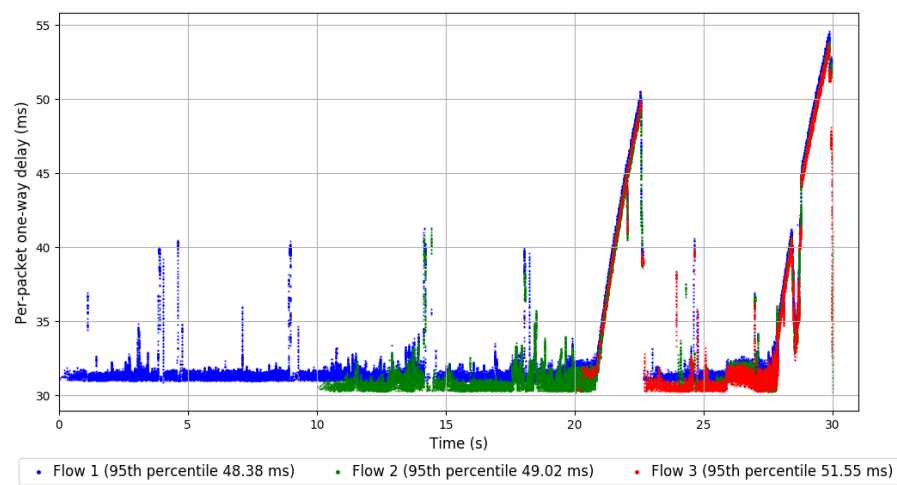
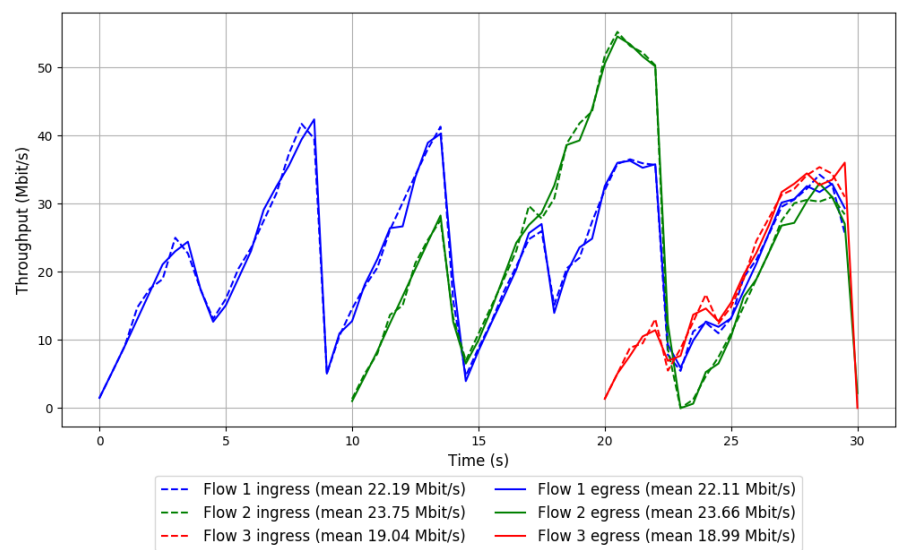


Run 8: Statistics of LEDBAT

Start at: 2018-02-01 05:09:55
End at: 2018-02-01 05:10:25
Local clock offset: 0.818 ms
Remote clock offset: -3.855 ms

Below is generated by plot.py at 2018-02-01 06:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 49.367 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 48.381 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 49.018 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 18.99 Mbit/s
95th percentile per-packet one-way delay: 51.553 ms
Loss rate: 0.18%

Run 8: Report of LEDBAT — Data Link

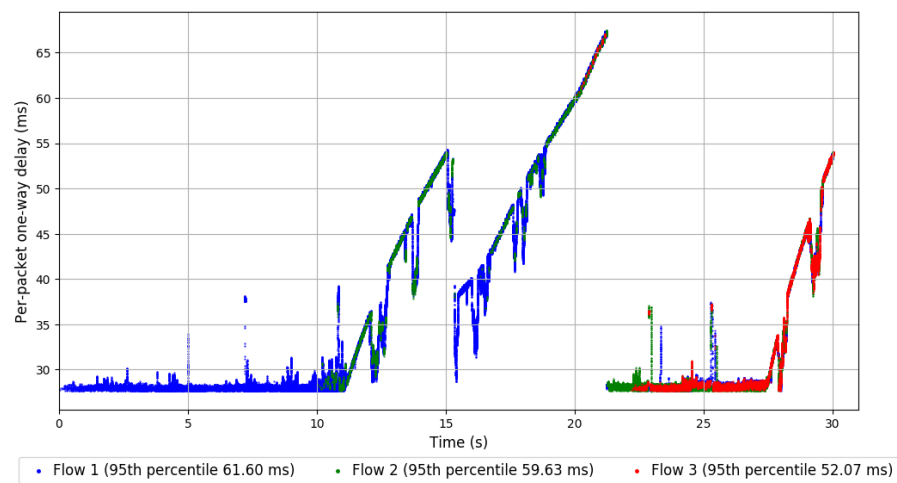
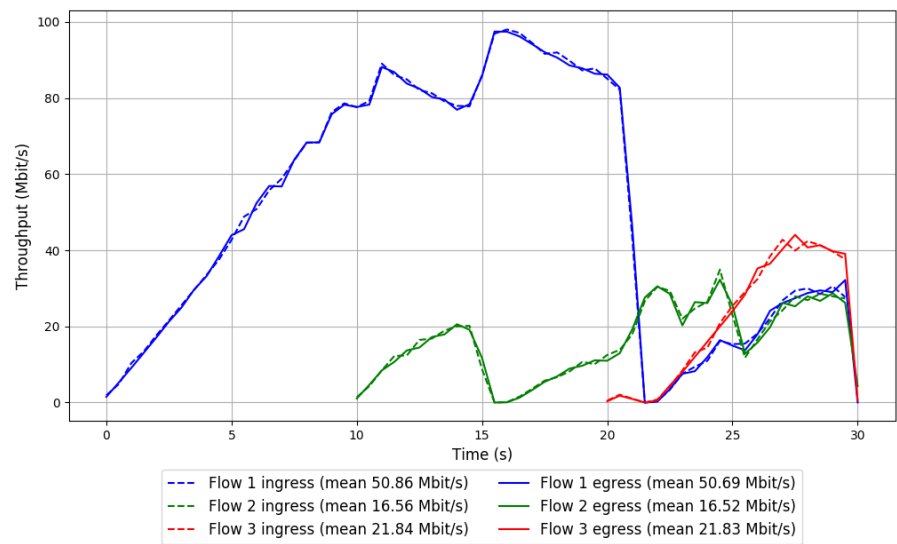


Run 9: Statistics of LEDBAT

Start at: 2018-02-01 05:38:07
End at: 2018-02-01 05:38:37
Local clock offset: 0.888 ms
Remote clock offset: -5.176 ms

Below is generated by plot.py at 2018-02-01 06:54:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.89 Mbit/s
95th percentile per-packet one-way delay: 60.656 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 61.605 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 59.631 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 52.070 ms
Loss rate: 0.12%

Run 9: Report of LEDBAT — Data Link

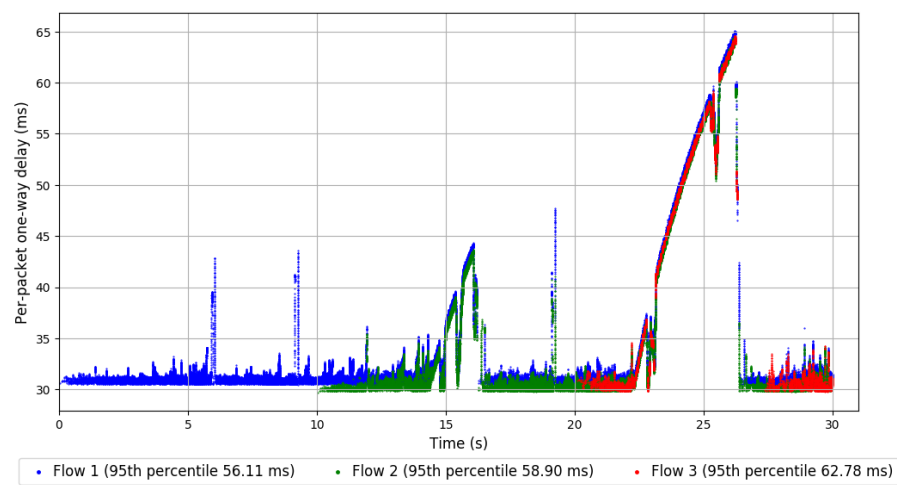
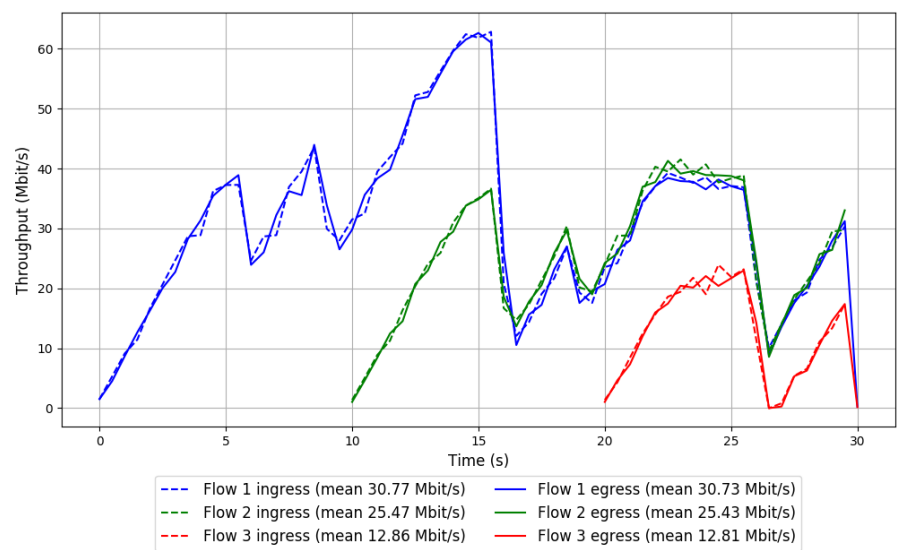


Run 10: Statistics of LEDBAT

Start at: 2018-02-01 06:06:22
End at: 2018-02-01 06:06:52
Local clock offset: 0.874 ms
Remote clock offset: -1.694 ms

Below is generated by plot.py at 2018-02-01 06:54:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 57.677 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 56.109 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 58.902 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 62.784 ms
Loss rate: 0.42%

Run 10: Report of LEDBAT — Data Link

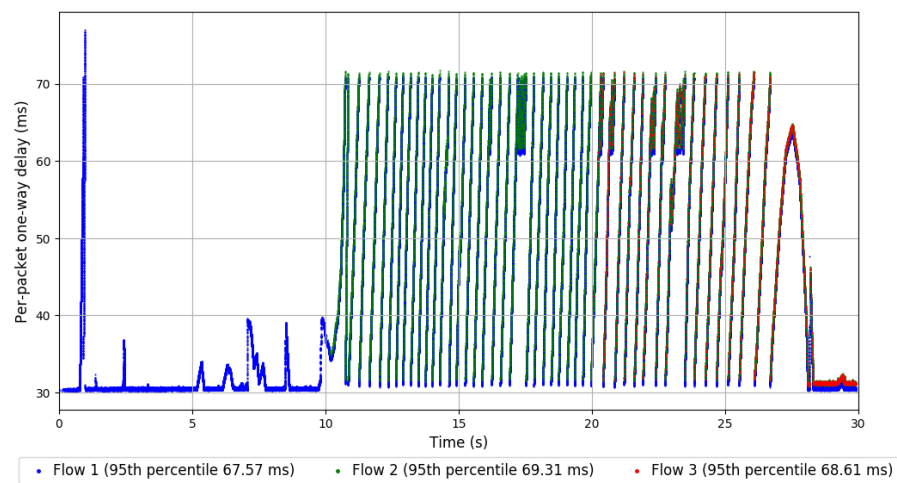
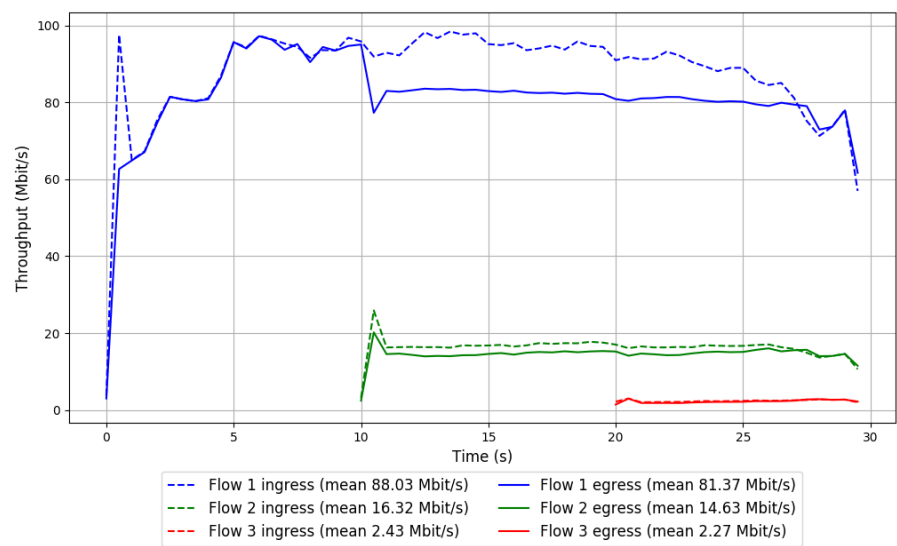


Run 1: Statistics of PCC

Start at: 2018-02-01 01:43:35
End at: 2018-02-01 01:44:05
Local clock offset: 1.472 ms
Remote clock offset: -0.861 ms

Below is generated by plot.py at 2018-02-01 06:54:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 67.855 ms
Loss rate: 7.87%
-- Flow 1:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 67.573 ms
Loss rate: 7.57%
-- Flow 2:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 69.313 ms
Loss rate: 10.37%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 68.615 ms
Loss rate: 6.67%

Run 1: Report of PCC — Data Link

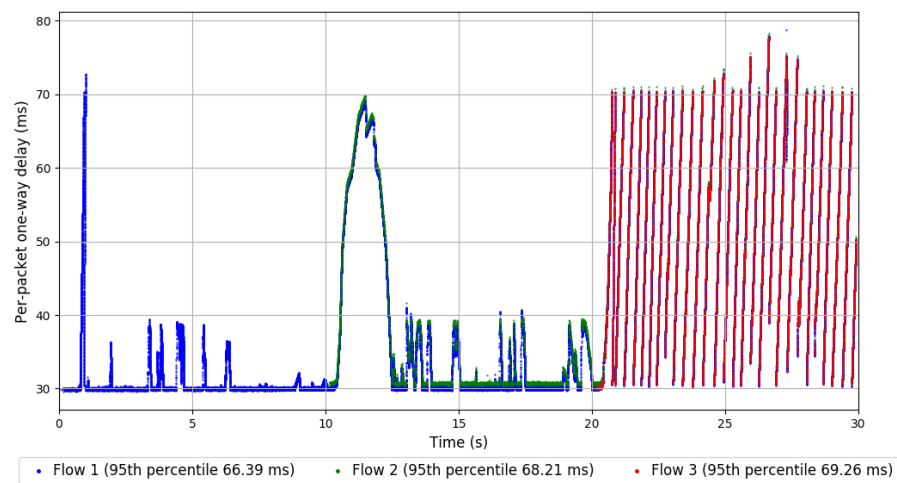
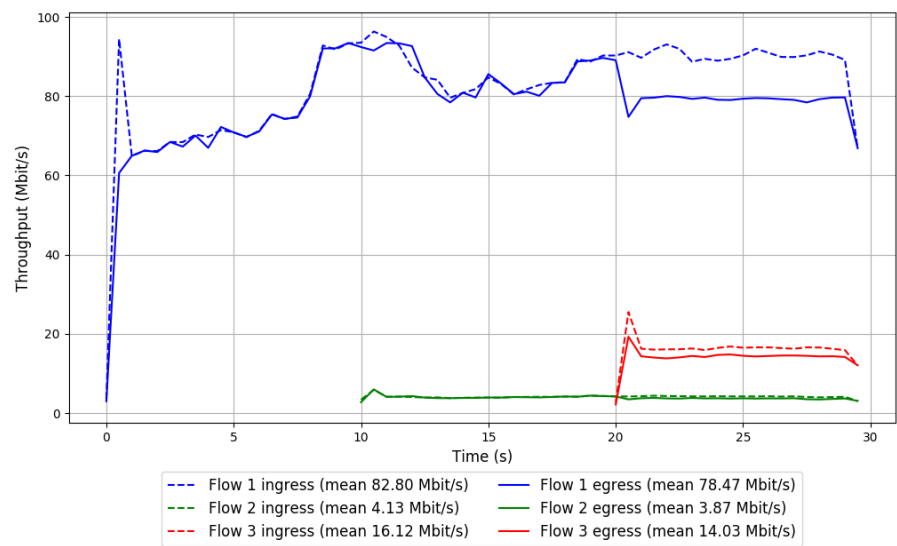


Run 2: Statistics of PCC

Start at: 2018-02-01 02:09:53
End at: 2018-02-01 02:10:23
Local clock offset: 1.338 ms
Remote clock offset: -1.948 ms

Below is generated by plot.py at 2018-02-01 06:54:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 66.672 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 66.390 ms
Loss rate: 5.17%
-- Flow 2:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 68.212 ms
Loss rate: 6.34%
-- Flow 3:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 69.262 ms
Loss rate: 12.78%

Run 2: Report of PCC — Data Link

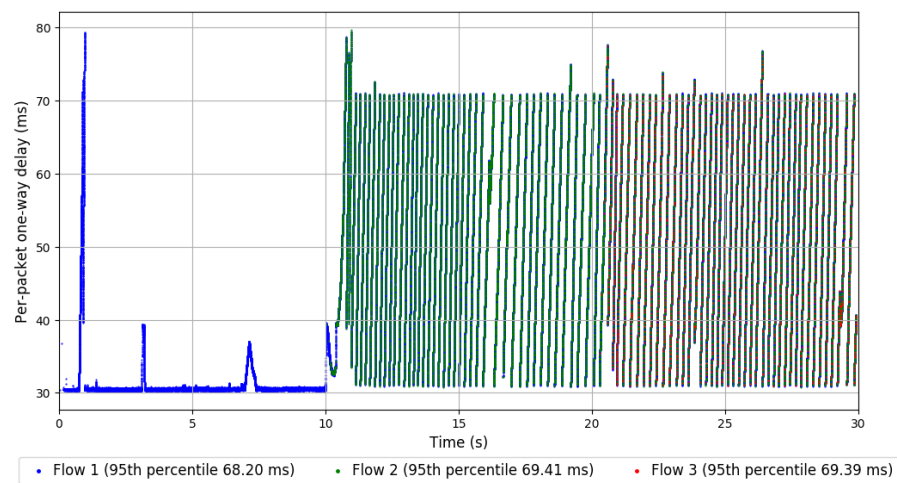
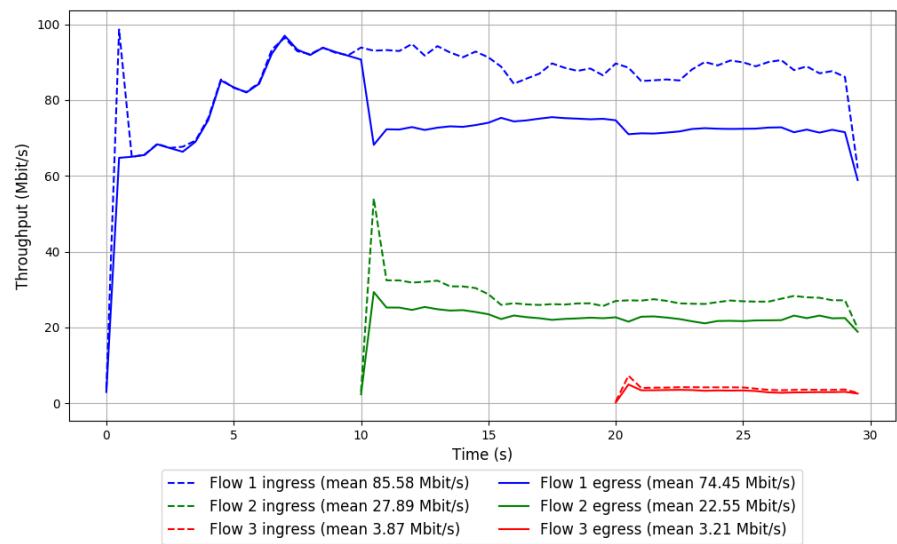


Run 3: Statistics of PCC

Start at: 2018-02-01 02:35:56
End at: 2018-02-01 02:36:26
Local clock offset: 1.224 ms
Remote clock offset: -1.746 ms

Below is generated by plot.py at 2018-02-01 06:54:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 68.513 ms
Loss rate: 14.13%
-- Flow 1:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: 68.205 ms
Loss rate: 12.97%
-- Flow 2:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 69.412 ms
Loss rate: 19.14%
-- Flow 3:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 69.387 ms
Loss rate: 19.18%

Run 3: Report of PCC — Data Link

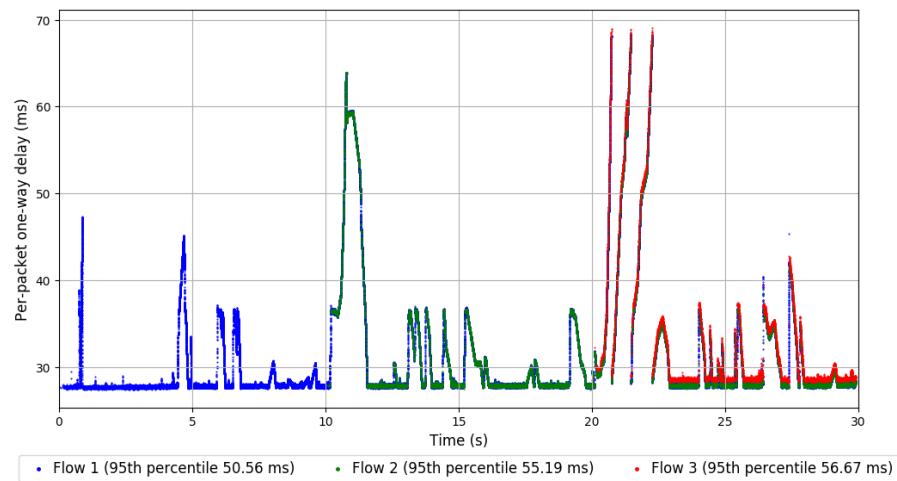
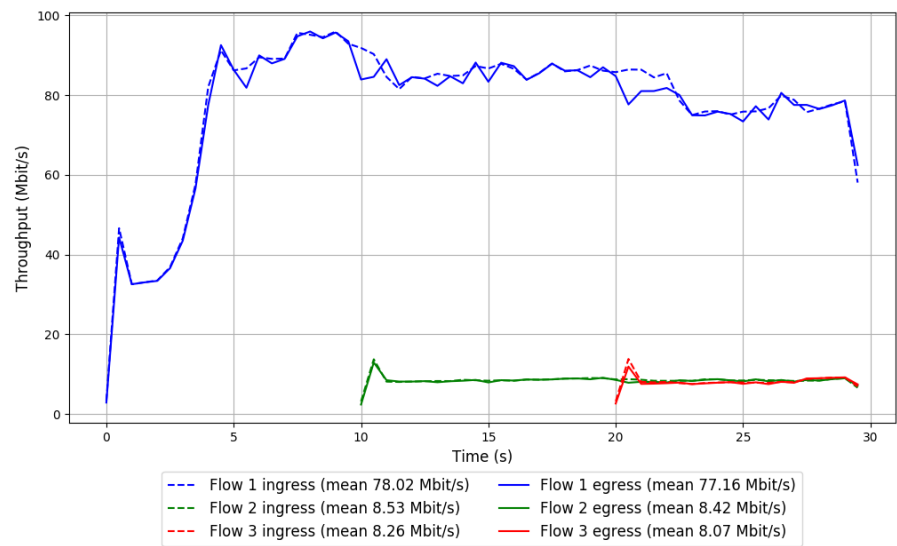


Run 4: Statistics of PCC

Start at: 2018-02-01 03:00:42
End at: 2018-02-01 03:01:13
Local clock offset: 1.18 ms
Remote clock offset: -4.562 ms

Below is generated by plot.py at 2018-02-01 06:55:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 51.173 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 50.556 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 55.187 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 56.672 ms
Loss rate: 2.24%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-02-01 03:30:35

End at: 2018-02-01 03:31:05

Local clock offset: 1.045 ms

Remote clock offset: -3.41 ms

Below is generated by plot.py at 2018-02-01 06:55:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.95 Mbit/s

95th percentile per-packet one-way delay: 67.649 ms

Loss rate: 5.30%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 65.713 ms

Loss rate: 2.64%

-- Flow 2:

Average throughput: 63.52 Mbit/s

95th percentile per-packet one-way delay: 67.014 ms

Loss rate: 4.73%

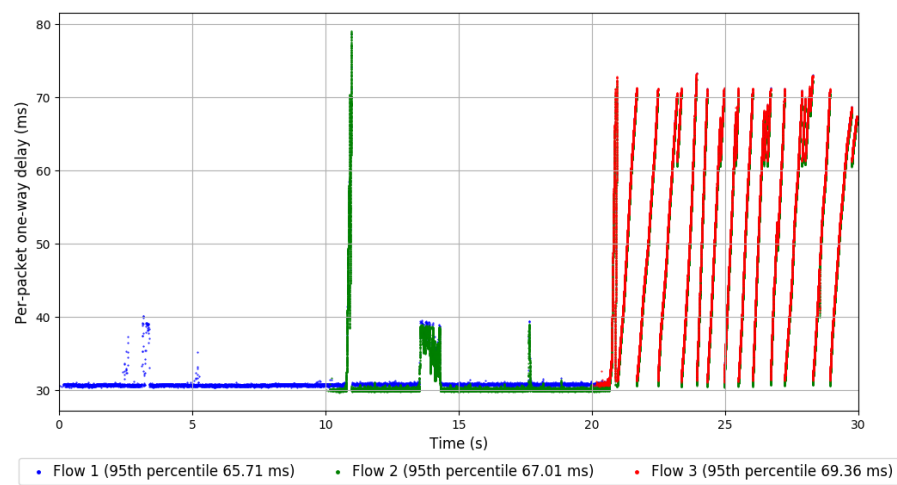
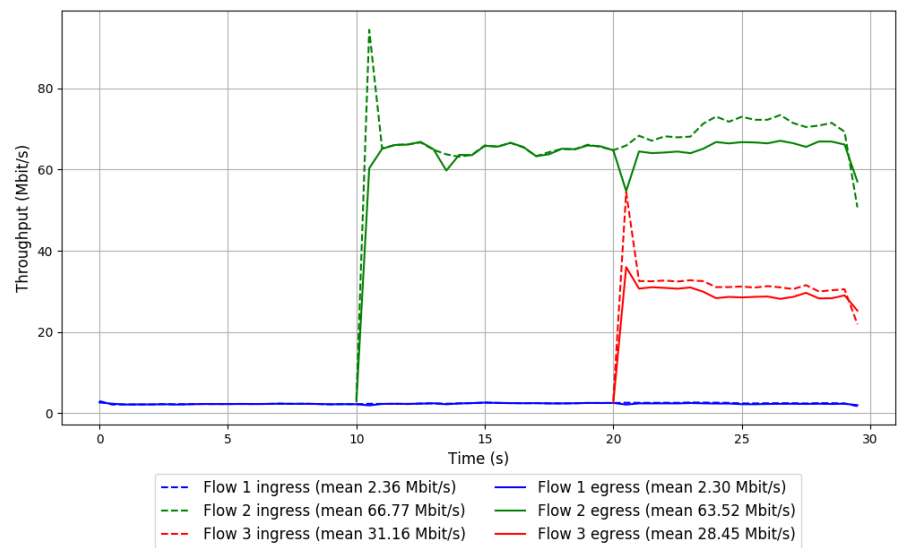
-- Flow 3:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 69.363 ms

Loss rate: 8.38%

Run 5: Report of PCC — Data Link

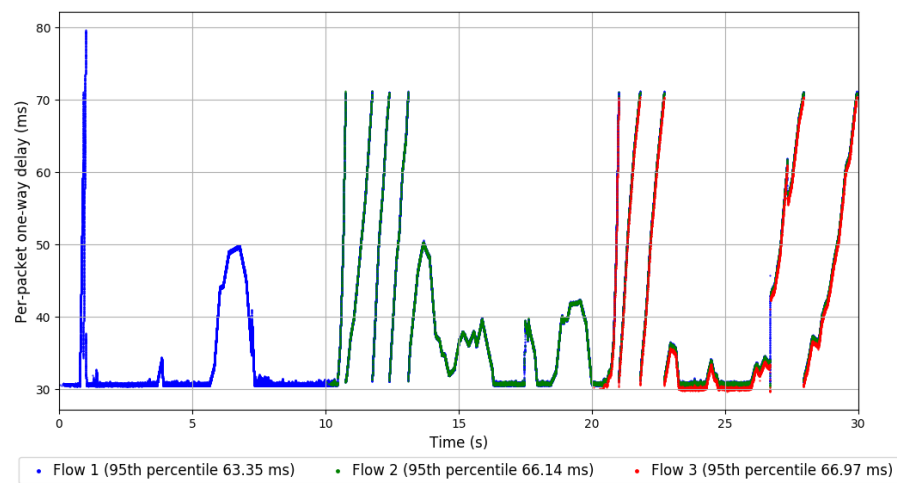
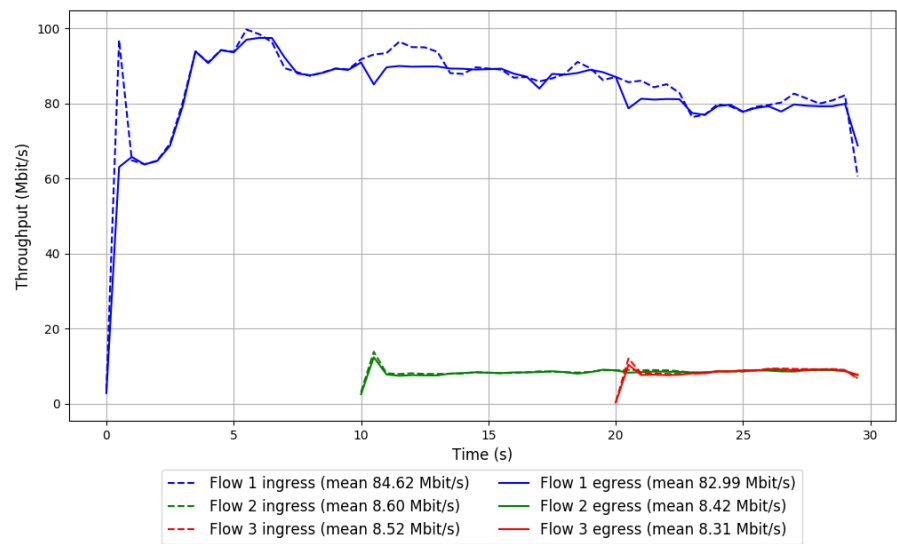


Run 6: Statistics of PCC

Start at: 2018-02-01 04:01:10
End at: 2018-02-01 04:01:40
Local clock offset: 0.867 ms
Remote clock offset: -4.315 ms

Below is generated by plot.py at 2018-02-01 06:55:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 63.828 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 82.99 Mbit/s
95th percentile per-packet one-way delay: 63.355 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 66.137 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 66.974 ms
Loss rate: 2.14%

Run 6: Report of PCC — Data Link

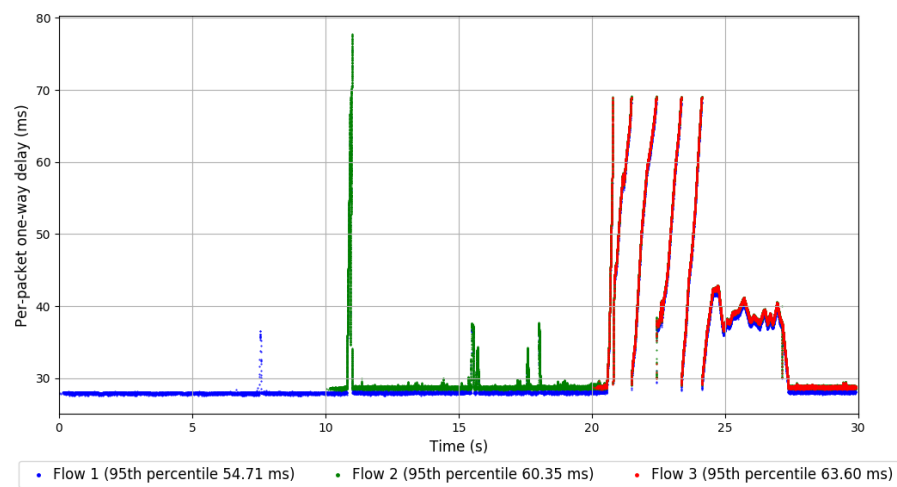
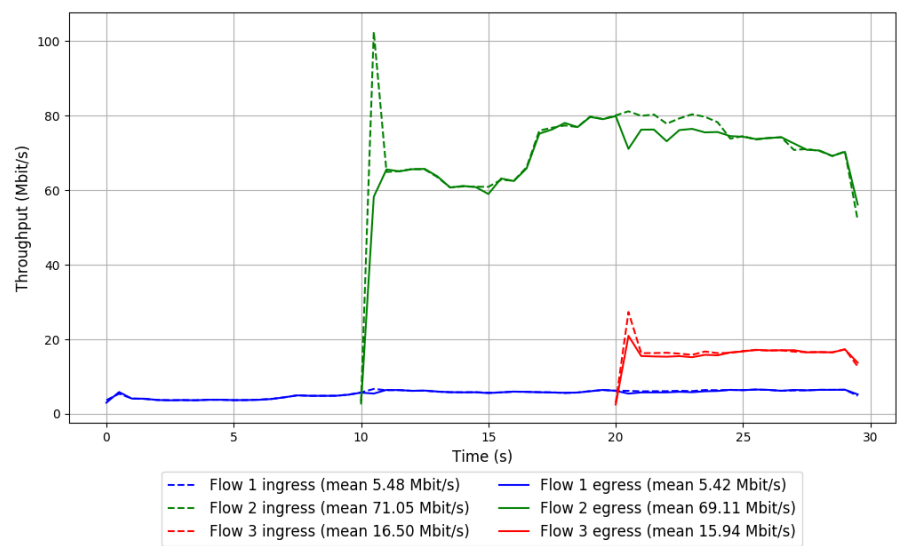


Run 7: Statistics of PCC

Start at: 2018-02-01 04:29:47
End at: 2018-02-01 04:30:17
Local clock offset: 0.981 ms
Remote clock offset: -6.507 ms

Below is generated by plot.py at 2018-02-01 06:55:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 60.513 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 54.710 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 60.346 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 63.597 ms
Loss rate: 3.38%

Run 7: Report of PCC — Data Link

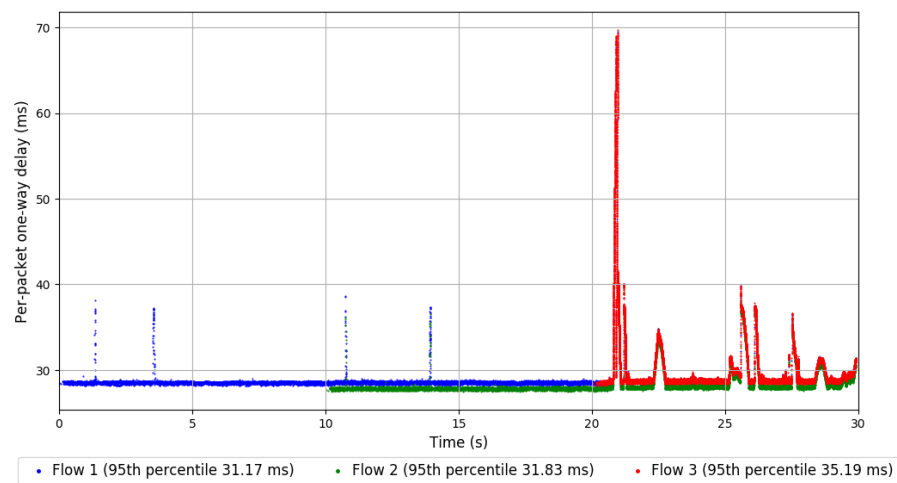
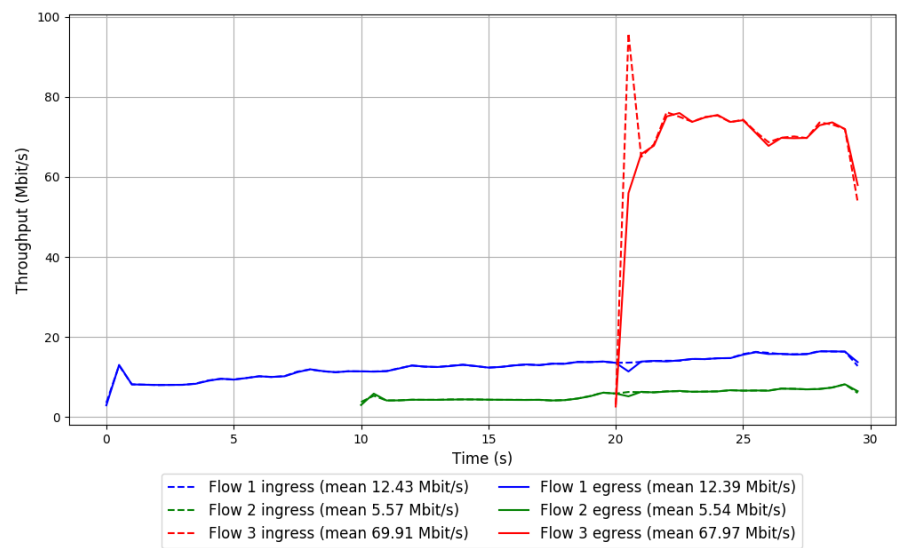


Run 8: Statistics of PCC

Start at: 2018-02-01 04:57:57
End at: 2018-02-01 04:58:27
Local clock offset: 0.855 ms
Remote clock offset: -6.531 ms

Below is generated by plot.py at 2018-02-01 06:55:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 33.950 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 31.172 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 31.830 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 35.188 ms
Loss rate: 2.75%

Run 8: Report of PCC — Data Link

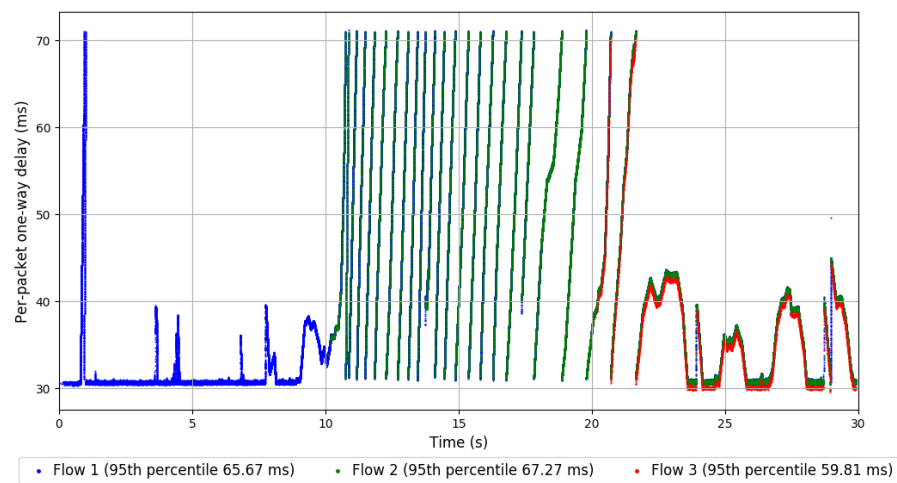
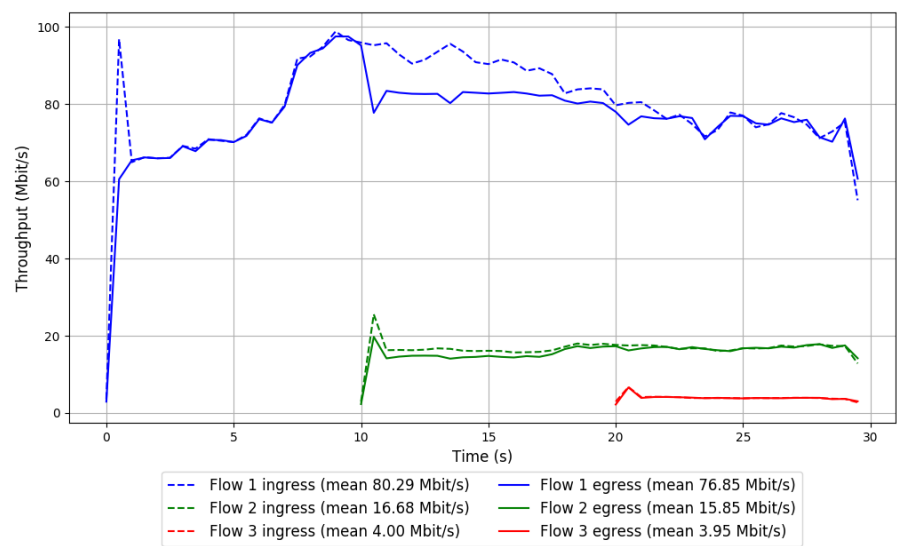


Run 9: Statistics of PCC

Start at: 2018-02-01 05:25:31
End at: 2018-02-01 05:26:01
Local clock offset: 0.887 ms
Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-02-01 06:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 65.875 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 76.85 Mbit/s
95th percentile per-packet one-way delay: 65.665 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 67.268 ms
Loss rate: 5.01%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 59.811 ms
Loss rate: 1.22%

Run 9: Report of PCC — Data Link

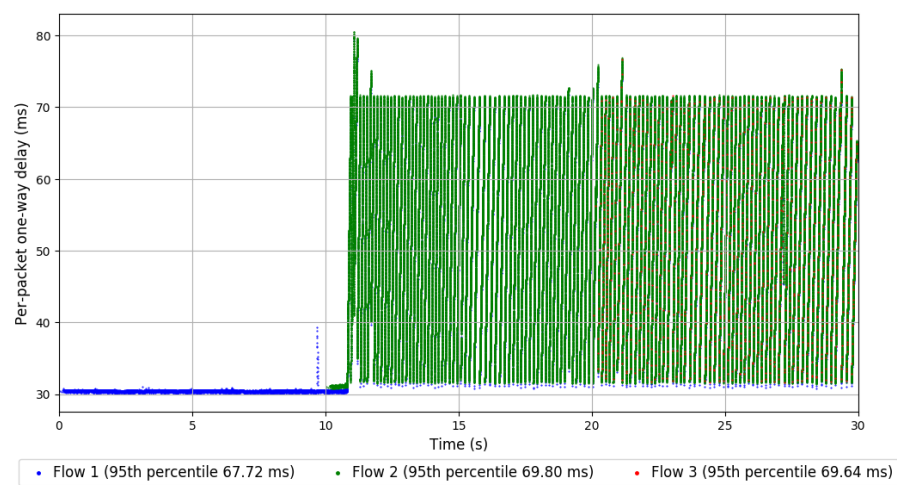
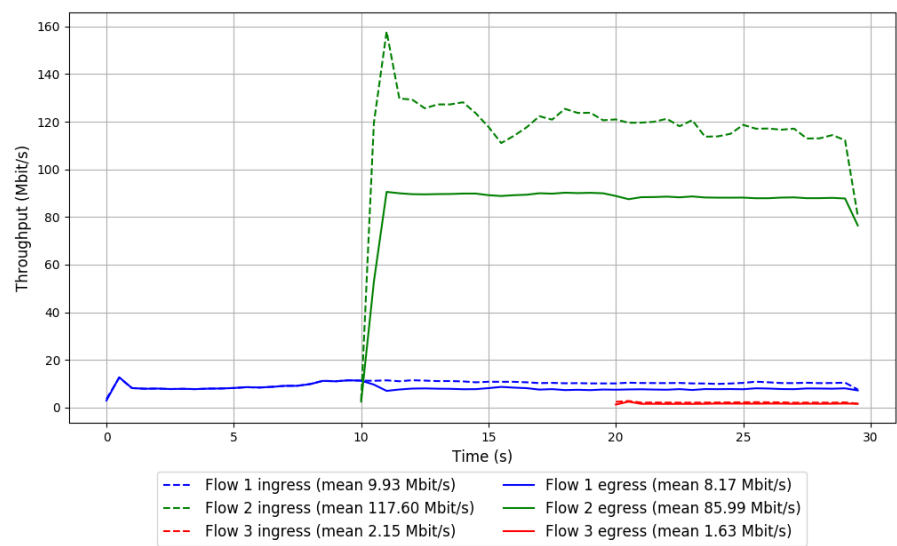


Run 10: Statistics of PCC

Start at: 2018-02-01 05:54:01
End at: 2018-02-01 05:54:31
Local clock offset: 0.792 ms
Remote clock offset: -1.836 ms

Below is generated by plot.py at 2018-02-01 06:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.91 Mbit/s
95th percentile per-packet one-way delay: 69.633 ms
Loss rate: 25.71%
-- Flow 1:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 67.721 ms
Loss rate: 17.61%
-- Flow 2:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 69.799 ms
Loss rate: 26.75%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 69.637 ms
Loss rate: 23.96%

Run 10: Report of PCC — Data Link

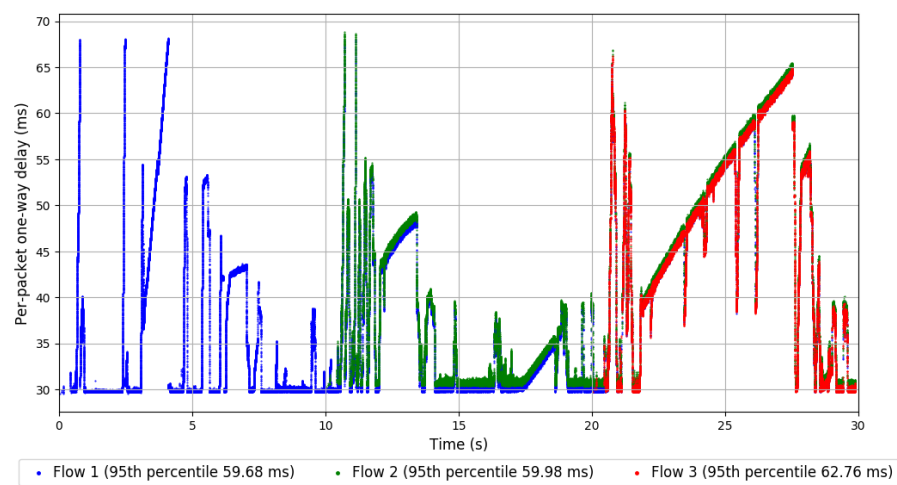
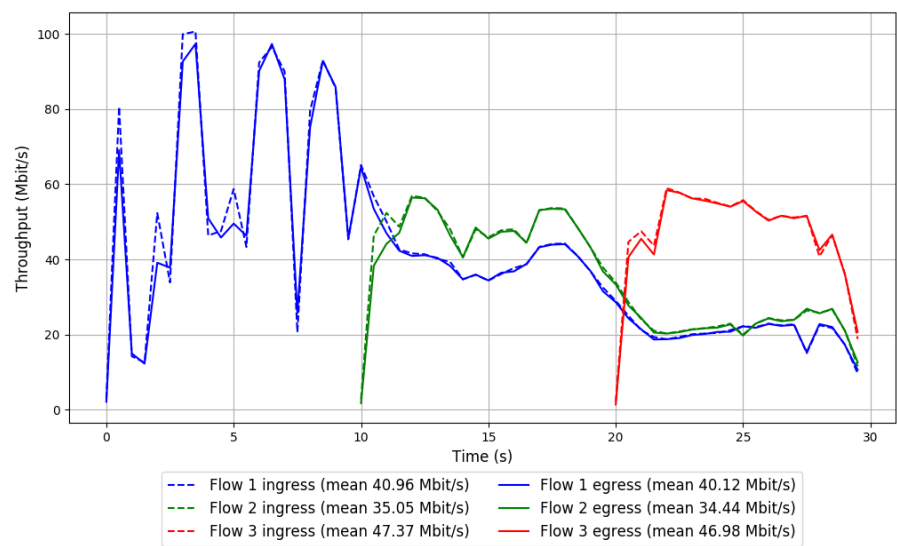


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-01 02:00:57
End at: 2018-02-01 02:01:27
Local clock offset: 1.297 ms
Remote clock offset: -1.886 ms

Below is generated by plot.py at 2018-02-01 06:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: 61.238 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 59.679 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 59.979 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 62.761 ms
Loss rate: 0.83%

Run 1: Report of QUIC Cubic — Data Link

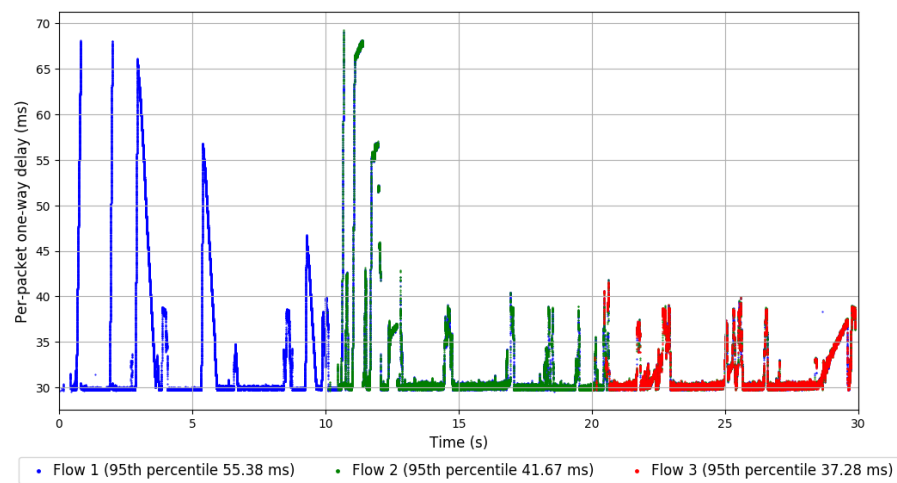
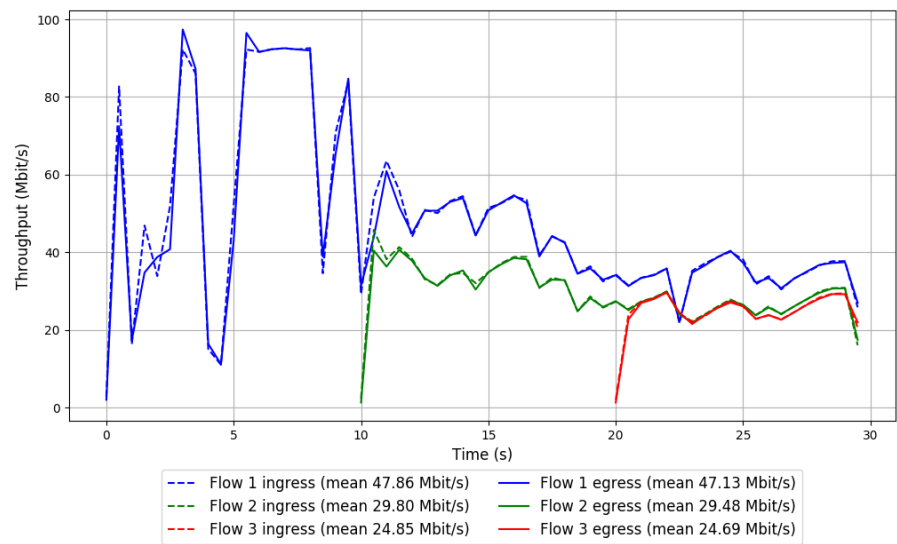


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-01 02:27:27
End at: 2018-02-01 02:27:58
Local clock offset: 1.279 ms
Remote clock offset: -2.232 ms

Below is generated by plot.py at 2018-02-01 06:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.85 Mbit/s
95th percentile per-packet one-way delay: 52.230 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 55.383 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 41.673 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 37.280 ms
Loss rate: 0.55%

Run 2: Report of QUIC Cubic — Data Link

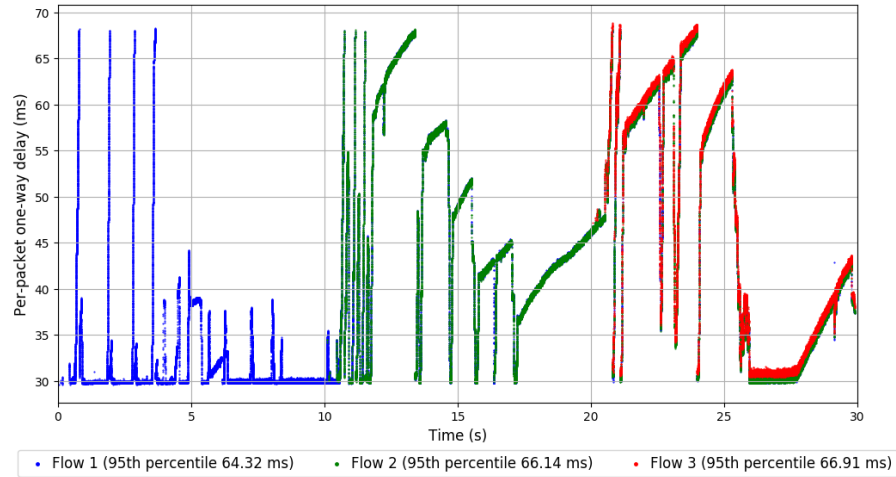
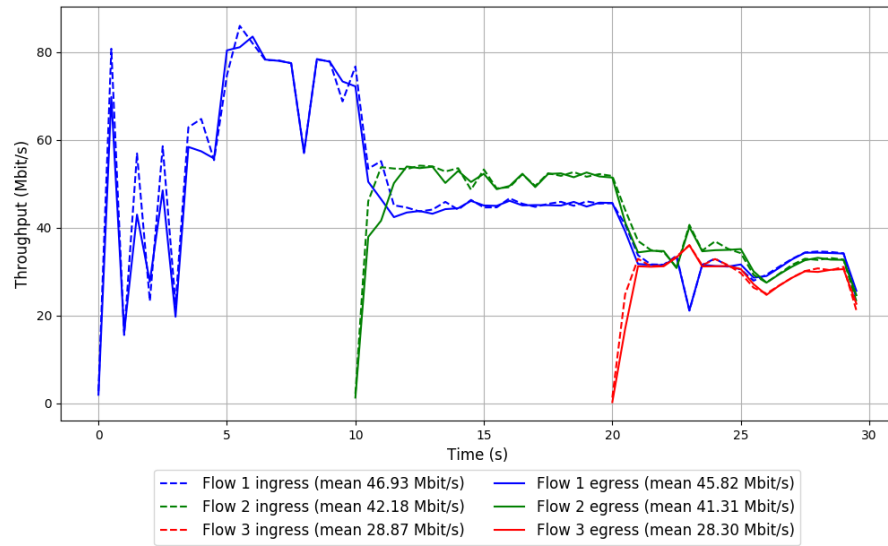


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-01 02:52:23
End at: 2018-02-01 02:52:53
Local clock offset: 1.186 ms
Remote clock offset: -2.277 ms

Below is generated by plot.py at 2018-02-01 06:56:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.57 Mbit/s
95th percentile per-packet one-way delay: 65.697 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 64.320 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 66.142 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 66.907 ms
Loss rate: 2.05%

Run 3: Report of QUIC Cubic — Data Link

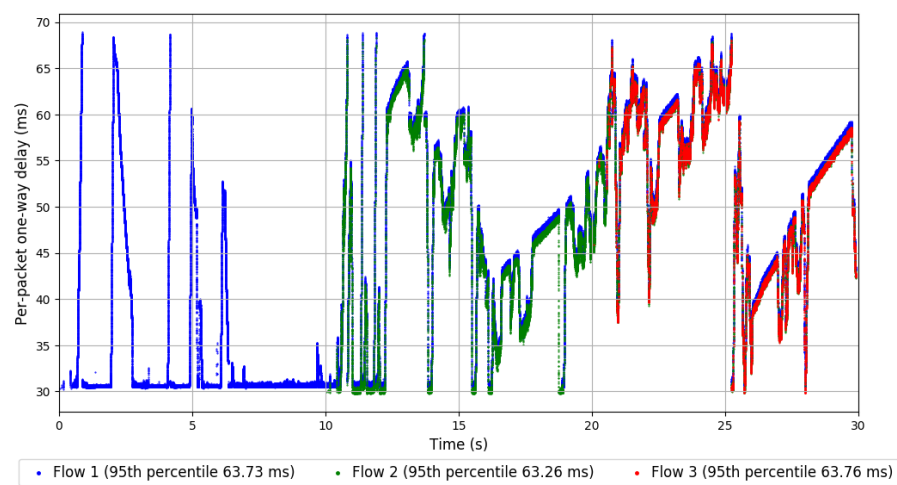
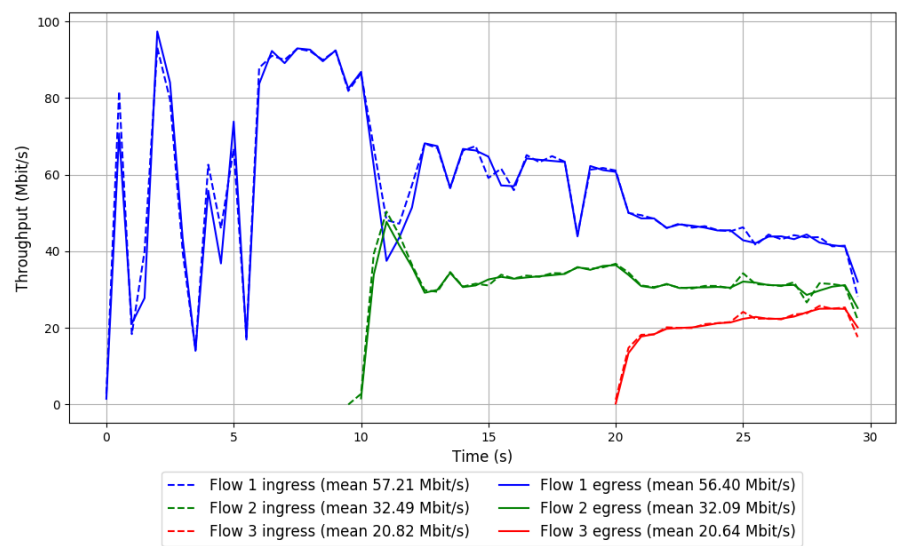


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-01 03:18:35
End at: 2018-02-01 03:19:05
Local clock offset: 1.041 ms
Remote clock offset: -3.159 ms

Below is generated by plot.py at 2018-02-01 06:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 63.586 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 63.734 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 63.264 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 63.759 ms
Loss rate: 0.90%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-02-01 03:50:28

End at: 2018-02-01 03:50:58

Local clock offset: 0.982 ms

Remote clock offset: -5.97 ms

Below is generated by plot.py at 2018-02-01 06:56:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.19 Mbit/s

95th percentile per-packet one-way delay: 60.909 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 63.39 Mbit/s

95th percentile per-packet one-way delay: 60.431 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 29.10 Mbit/s

95th percentile per-packet one-way delay: 61.915 ms

Loss rate: 0.55%

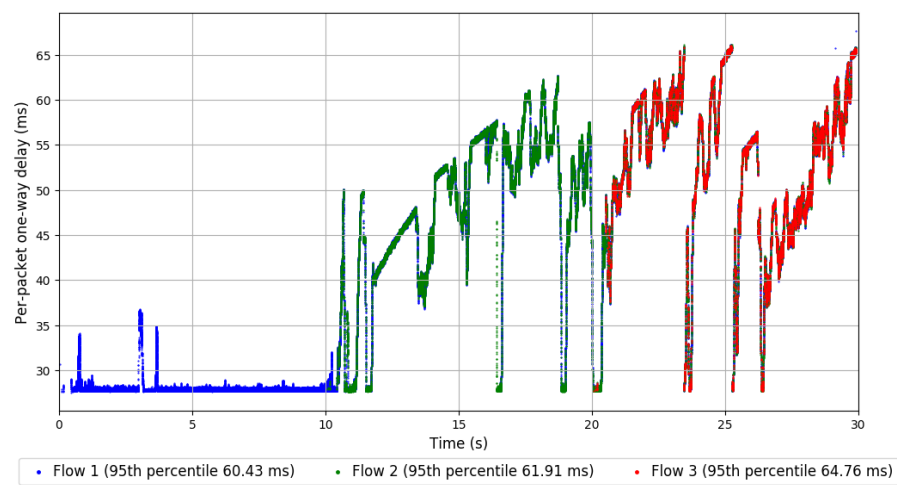
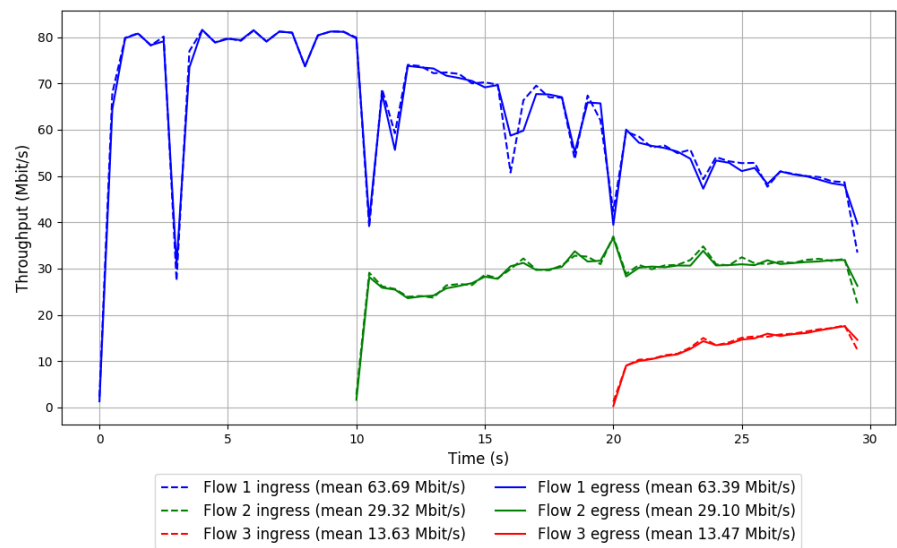
-- Flow 3:

Average throughput: 13.47 Mbit/s

95th percentile per-packet one-way delay: 64.759 ms

Loss rate: 0.75%

Run 5: Report of QUIC Cubic — Data Link

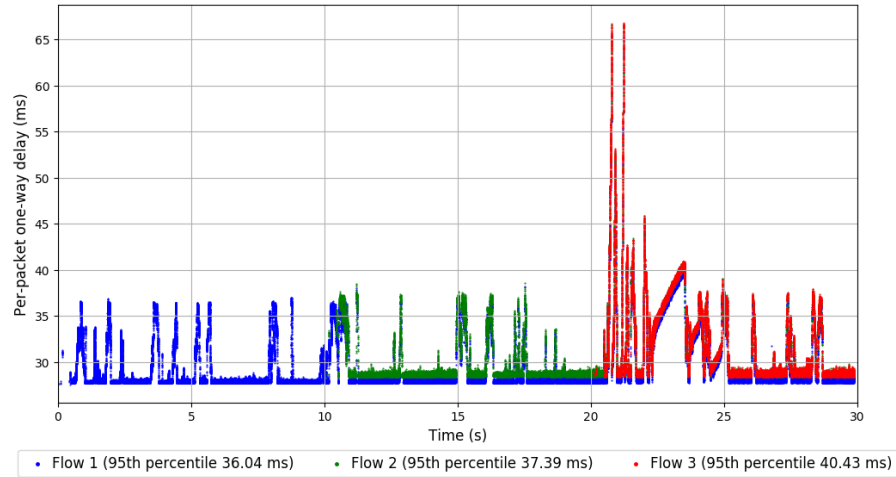
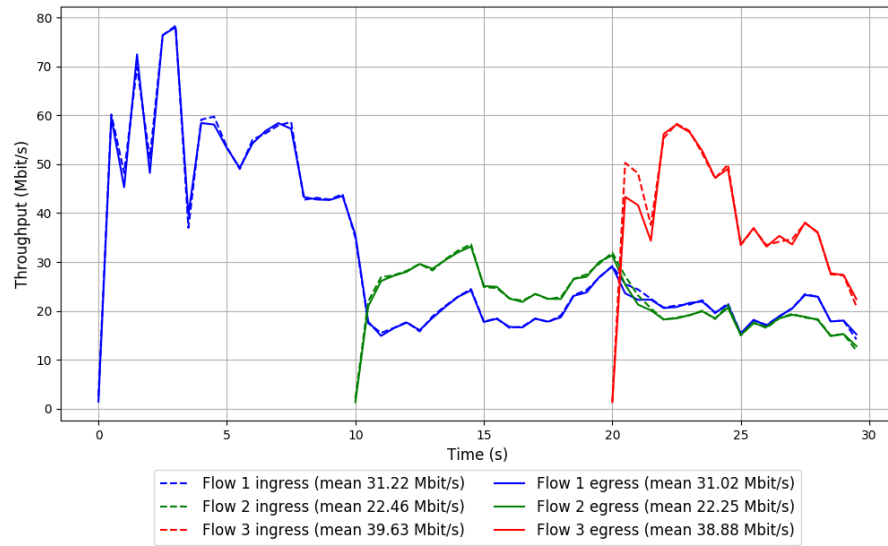


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-01 04:20:47
End at: 2018-02-01 04:21:17
Local clock offset: 0.986 ms
Remote clock offset: -6.426 ms

Below is generated by plot.py at 2018-02-01 06:56:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 38.146 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 36.043 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 37.386 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 40.434 ms
Loss rate: 1.91%

Run 6: Report of QUIC Cubic — Data Link

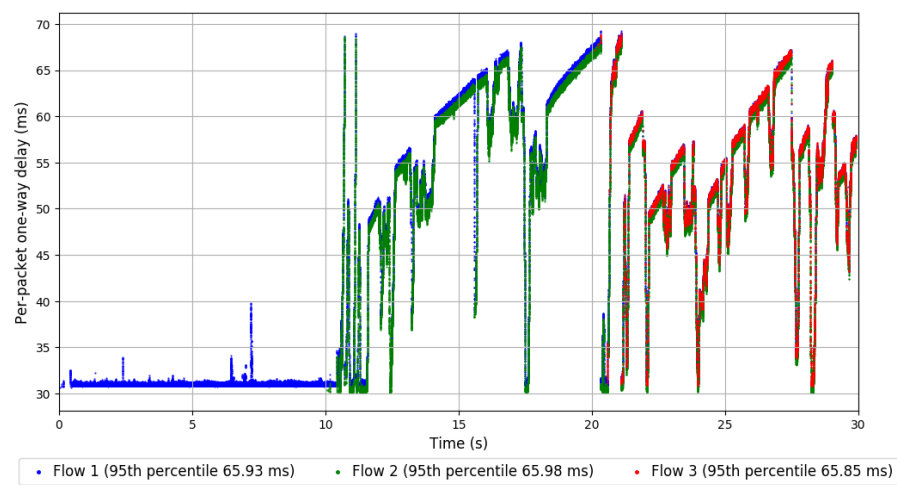
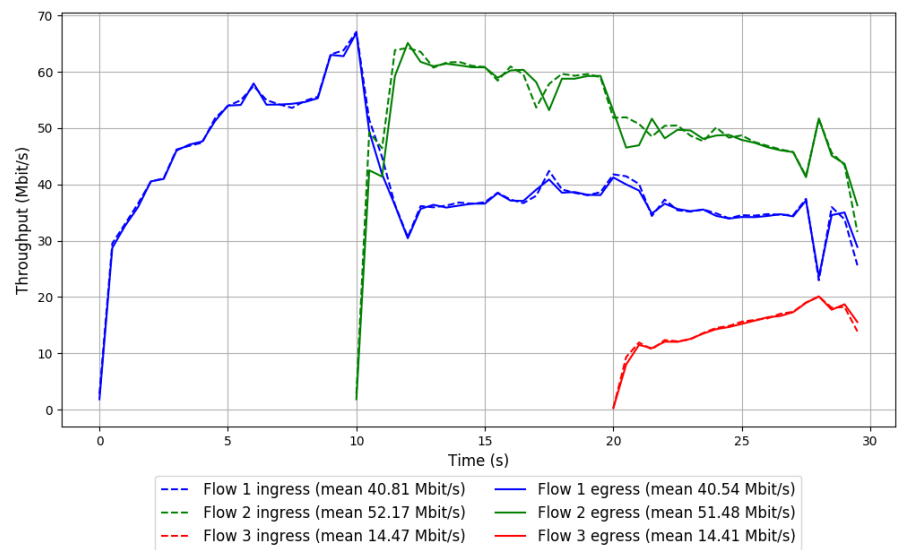


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-01 04:48:21
End at: 2018-02-01 04:48:51
Local clock offset: 0.939 ms
Remote clock offset: -4.104 ms

Below is generated by plot.py at 2018-02-01 06:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.51 Mbit/s
95th percentile per-packet one-way delay: 65.952 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 65.928 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 51.48 Mbit/s
95th percentile per-packet one-way delay: 65.982 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 65.847 ms
Loss rate: 0.49%

Run 7: Report of QUIC Cubic — Data Link

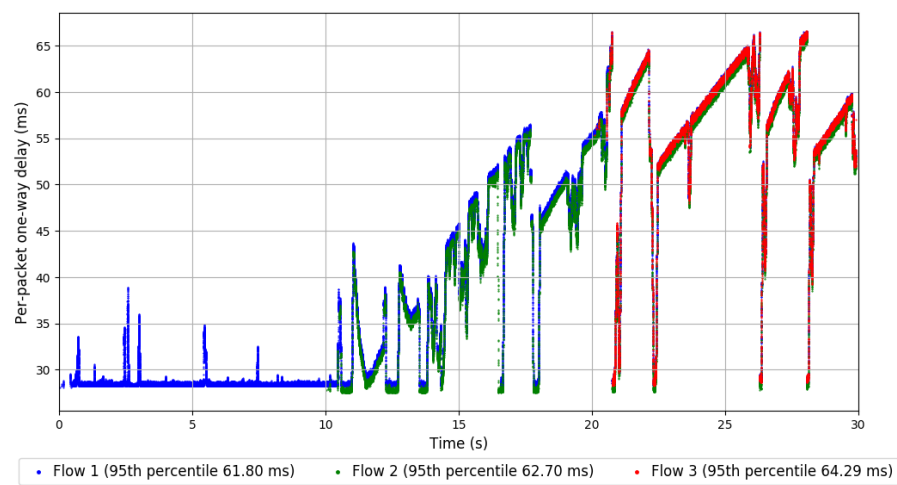
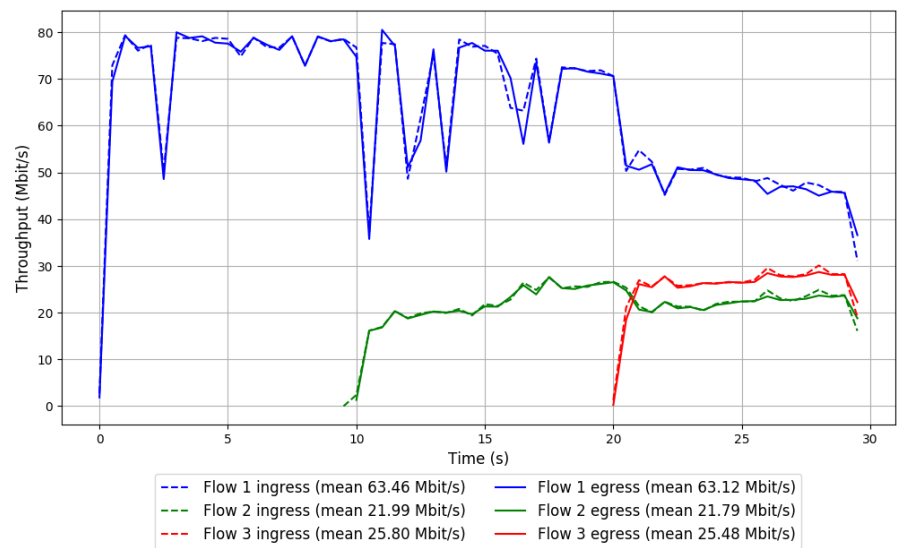


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-01 05:16:06
End at: 2018-02-01 05:16:36
Local clock offset: 0.907 ms
Remote clock offset: -6.211 ms

Below is generated by plot.py at 2018-02-01 06:57:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 62.567 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 61.805 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 21.79 Mbit/s
95th percentile per-packet one-way delay: 62.699 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 64.293 ms
Loss rate: 1.21%

Run 8: Report of QUIC Cubic — Data Link

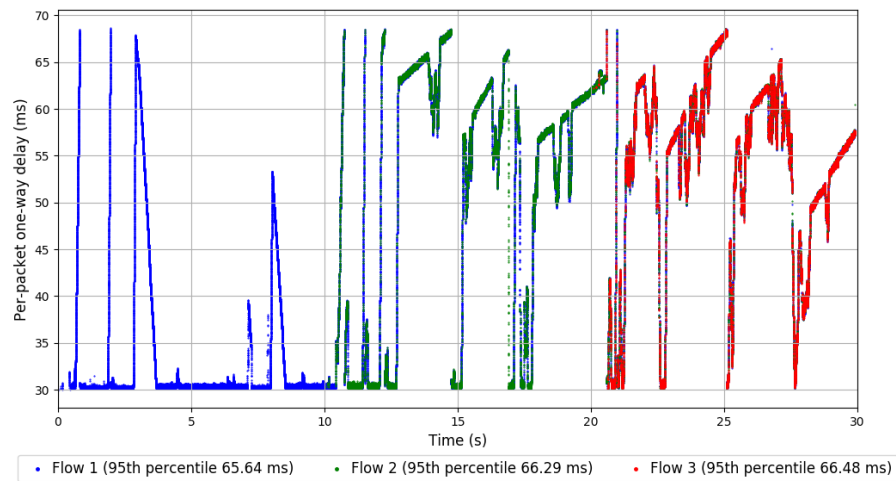
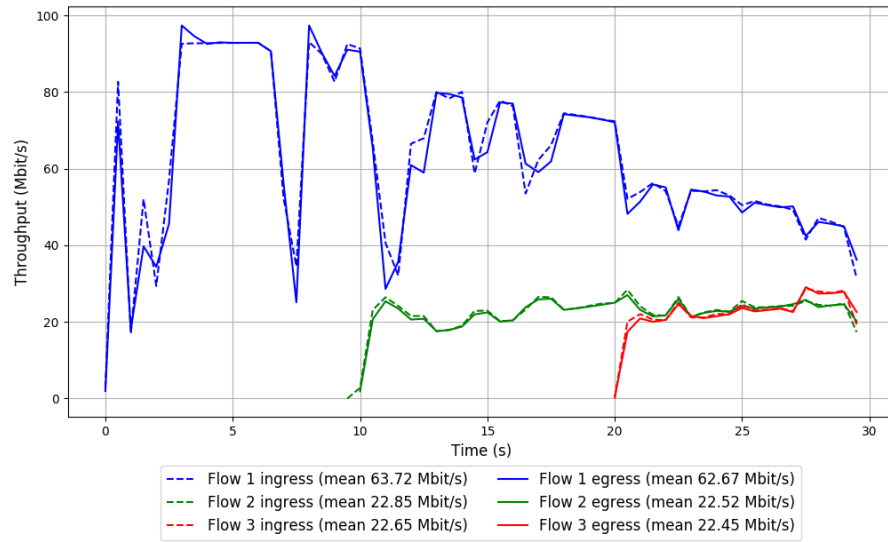


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-01 05:44:13
End at: 2018-02-01 05:44:43
Local clock offset: 0.872 ms
Remote clock offset: -2.401 ms

Below is generated by plot.py at 2018-02-01 06:57:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 65.827 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 65.636 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 22.52 Mbit/s
95th percentile per-packet one-way delay: 66.293 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 66.476 ms
Loss rate: 0.94%

Run 9: Report of QUIC Cubic — Data Link

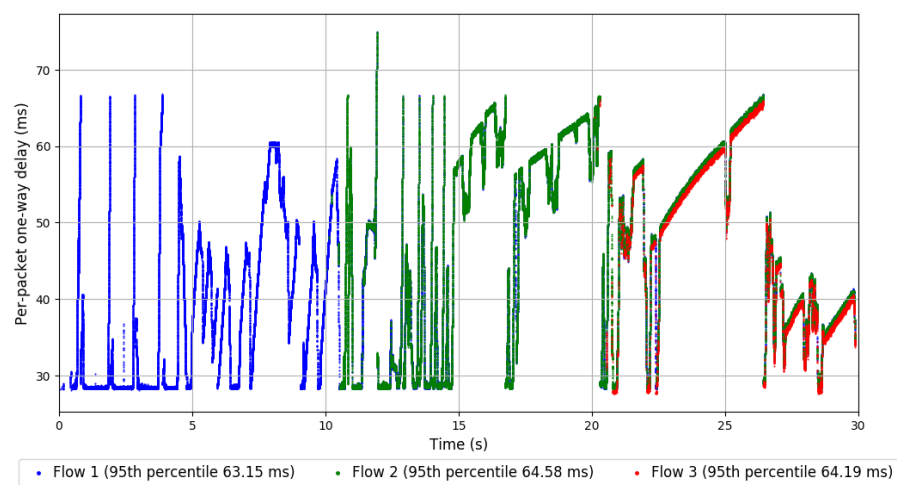
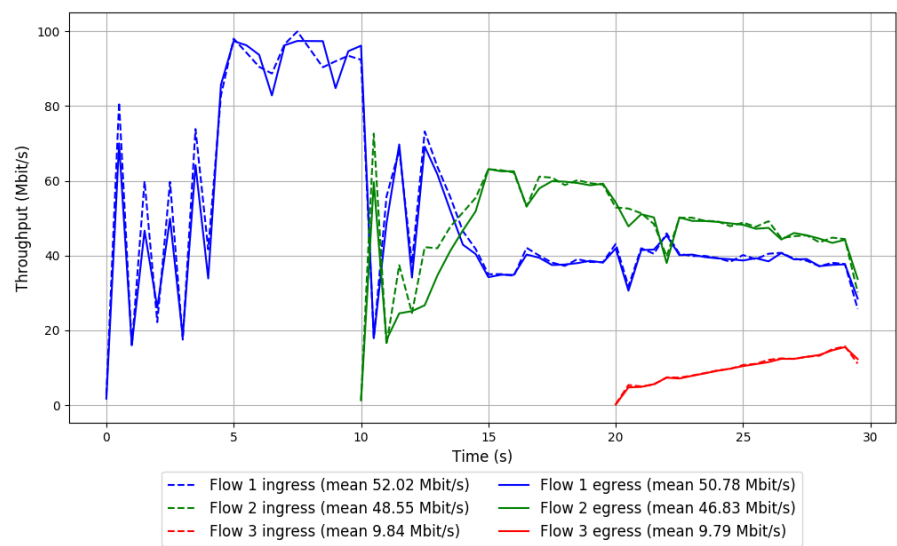


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-01 06:12:49
End at: 2018-02-01 06:13:19
Local clock offset: 0.899 ms
Remote clock offset: -3.847 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.10 Mbit/s
95th percentile per-packet one-way delay: 63.871 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 63.151 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 64.577 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 64.186 ms
Loss rate: 0.81%

Run 10: Report of QUIC Cubic — Data Link

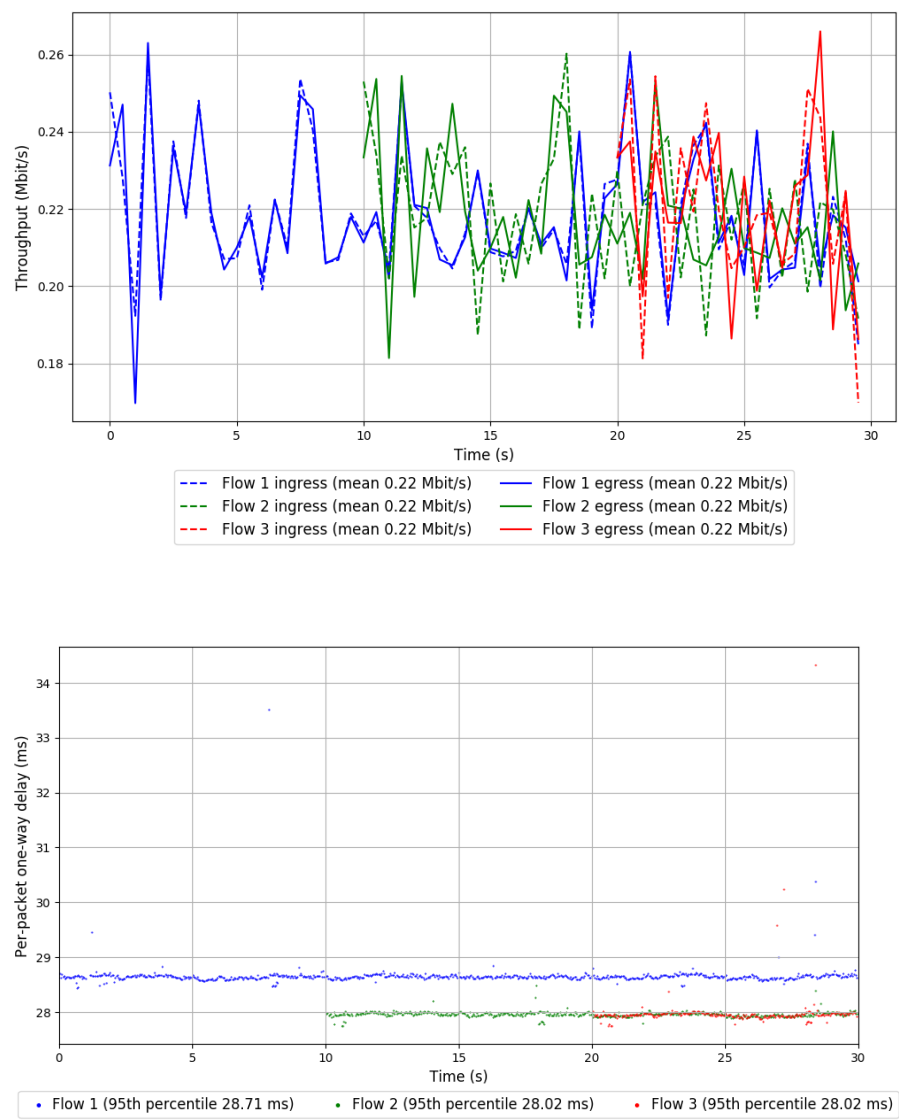


```
Run 1: Statistics of SReAM

Start at: 2018-02-01 01:53:49
End at: 2018-02-01 01:54:19
Local clock offset: 1.336 ms
Remote clock offset: -3.591 ms

# Below is generated by plot.py at 2018-02-01 06:57:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.017 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

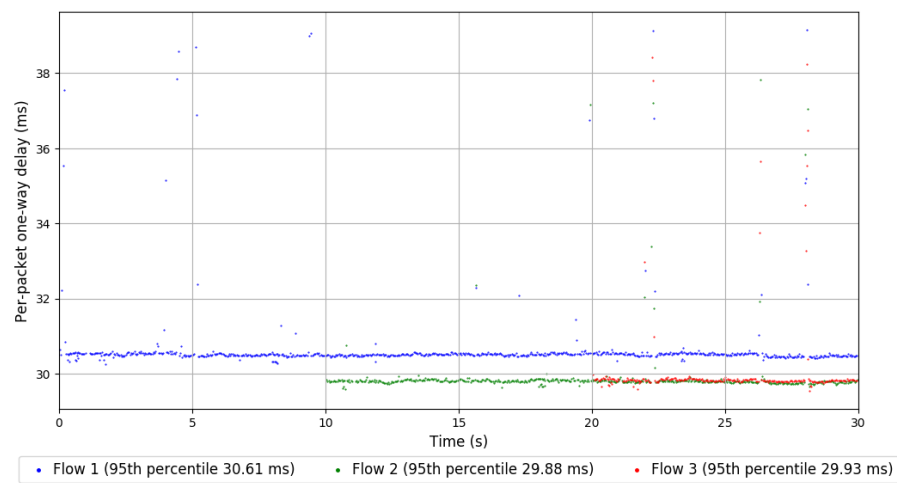
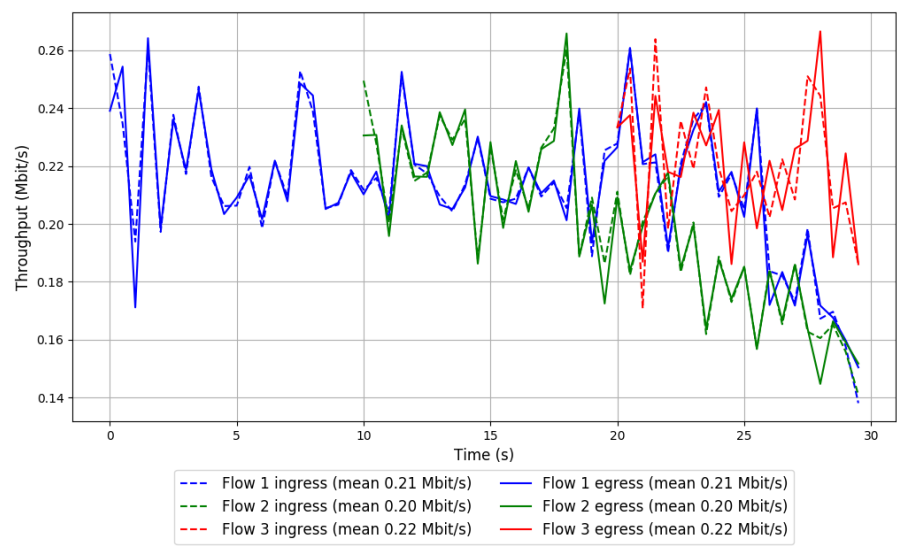


Run 2: Statistics of SCReAM

Start at: 2018-02-01 02:20:26
End at: 2018-02-01 02:20:56
Local clock offset: 1.304 ms
Remote clock offset: -2.221 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 30.580 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.612 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 29.875 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.926 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

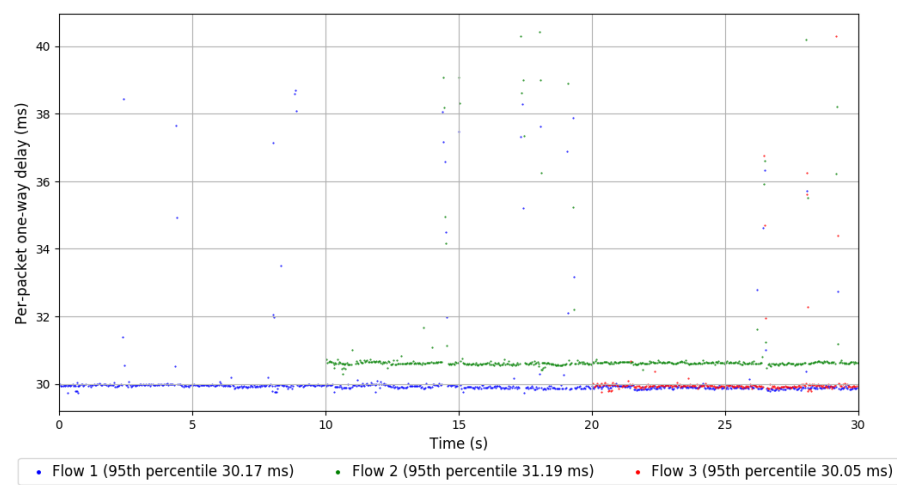
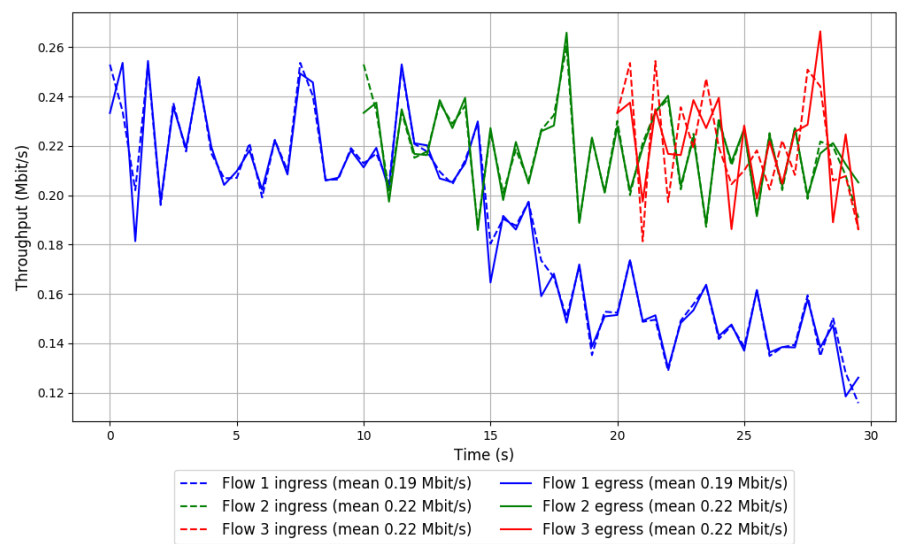


Run 3: Statistics of SReAM

Start at: 2018-02-01 02:45:40
End at: 2018-02-01 02:46:10
Local clock offset: 1.201 ms
Remote clock offset: -2.277 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 30.706 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.174 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.046 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

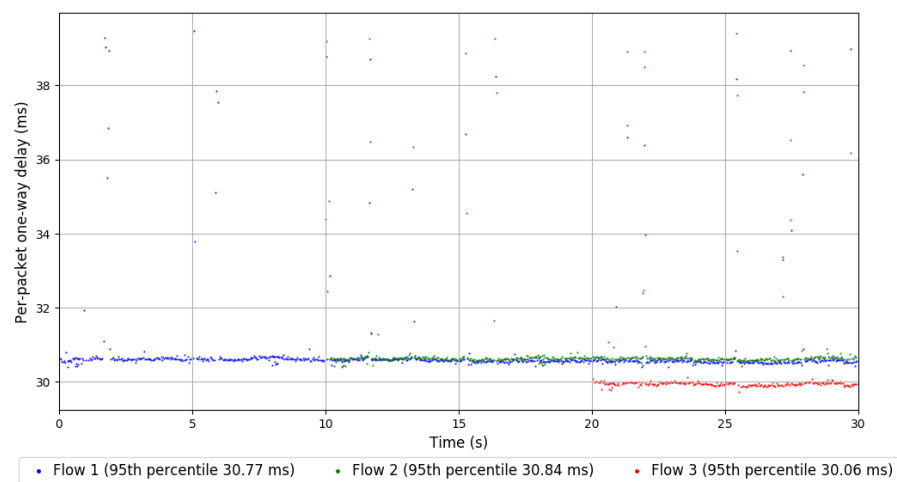
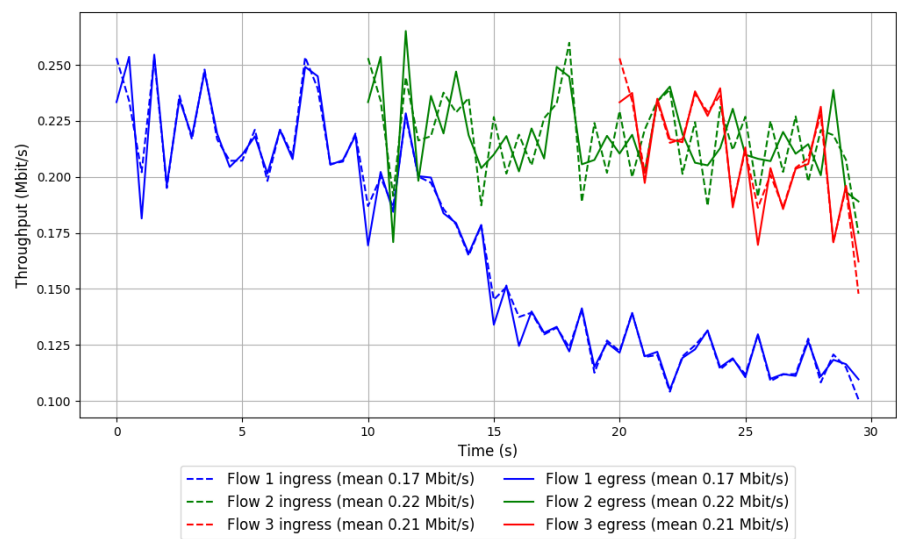


Run 4: Statistics of SReAM

Start at: 2018-02-01 03:11:07
End at: 2018-02-01 03:11:37
Local clock offset: 1.174 ms
Remote clock offset: -2.79 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 30.773 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 30.774 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.059 ms
Loss rate: 0.37%

Run 4: Report of SReAM — Data Link

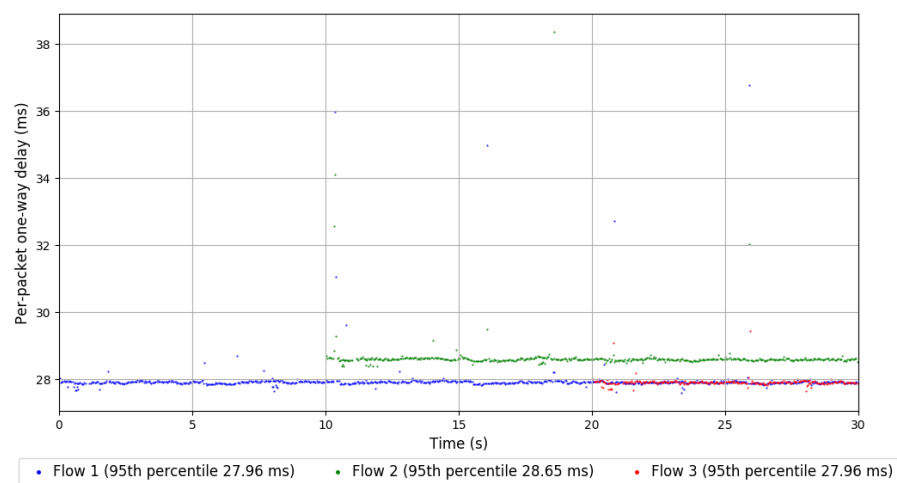
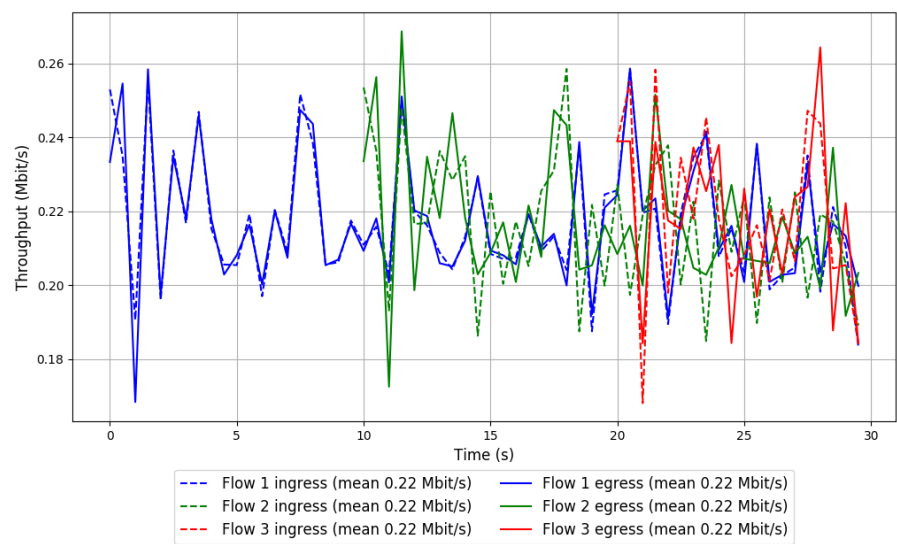


Run 5: Statistics of SReAM

Start at: 2018-02-01 03:42:48
End at: 2018-02-01 03:43:18
Local clock offset: 0.909 ms
Remote clock offset: -5.812 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

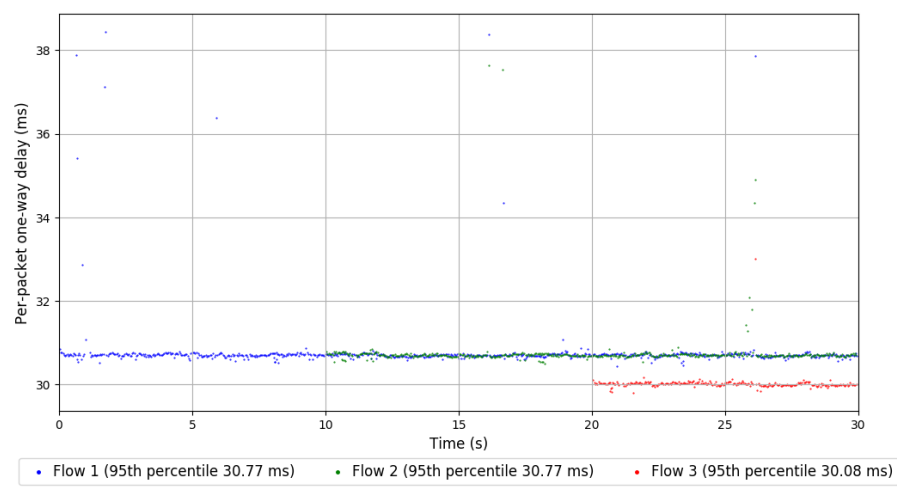
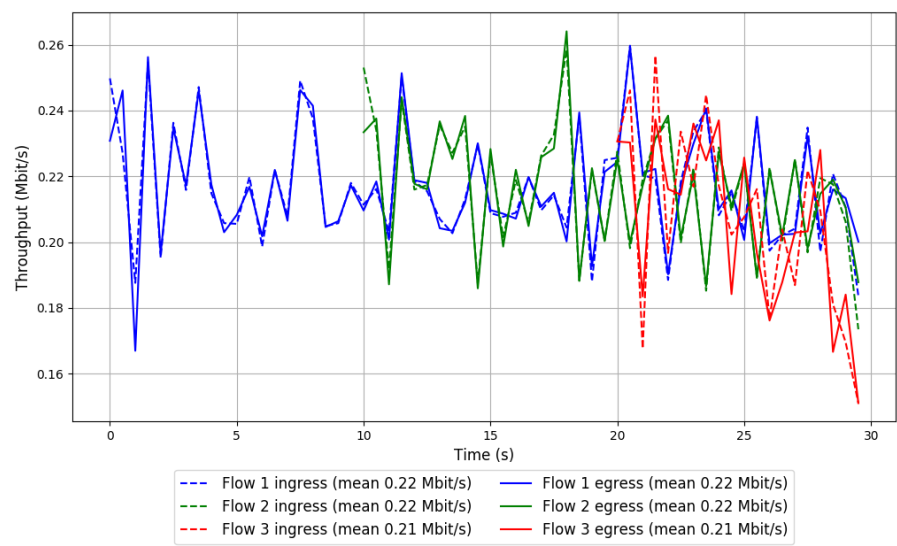


Run 6: Statistics of SReAM

Start at: 2018-02-01 04:13:42
End at: 2018-02-01 04:14:12
Local clock offset: 0.885 ms
Remote clock offset: -4.285 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.767 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.769 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.774 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.080 ms
Loss rate: 0.48%

Run 6: Report of SReAM — Data Link

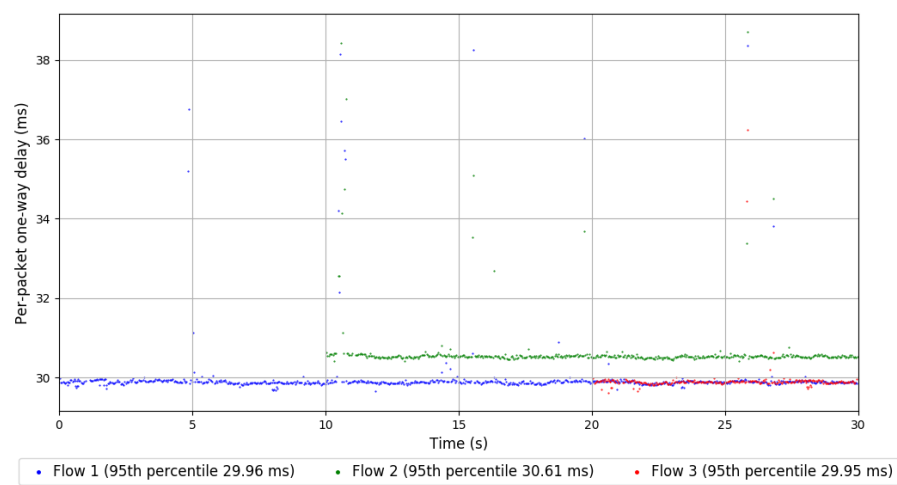
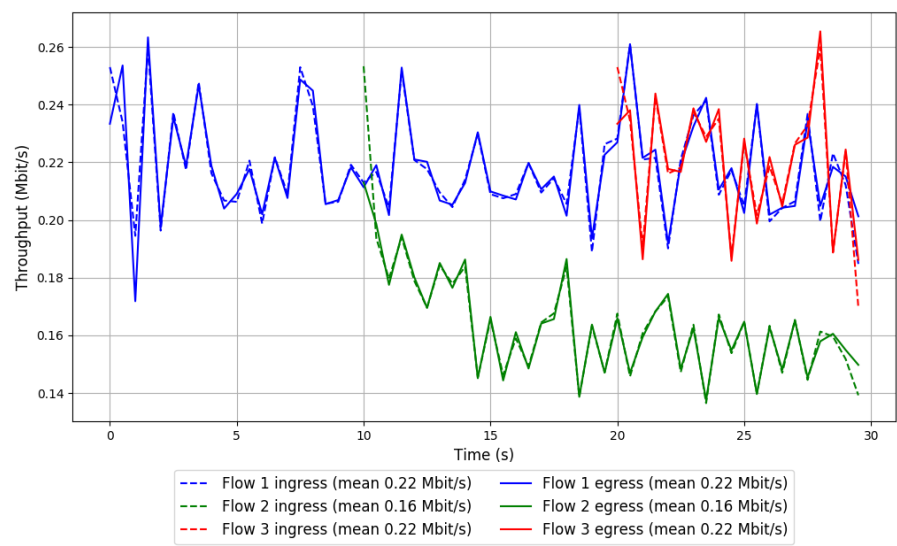


Run 7: Statistics of SCReAM

Start at: 2018-02-01 04:40:52
End at: 2018-02-01 04:41:22
Local clock offset: 0.976 ms
Remote clock offset: -4.544 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 30.574 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.958 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 30.605 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.951 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

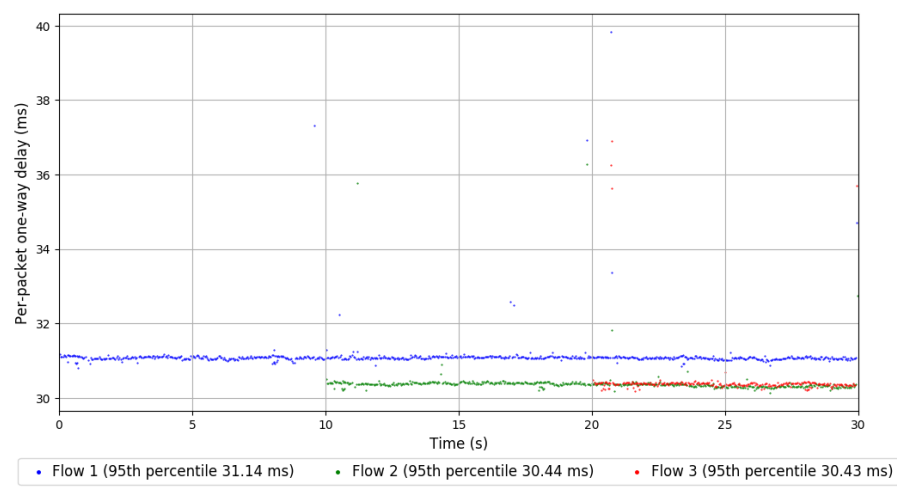
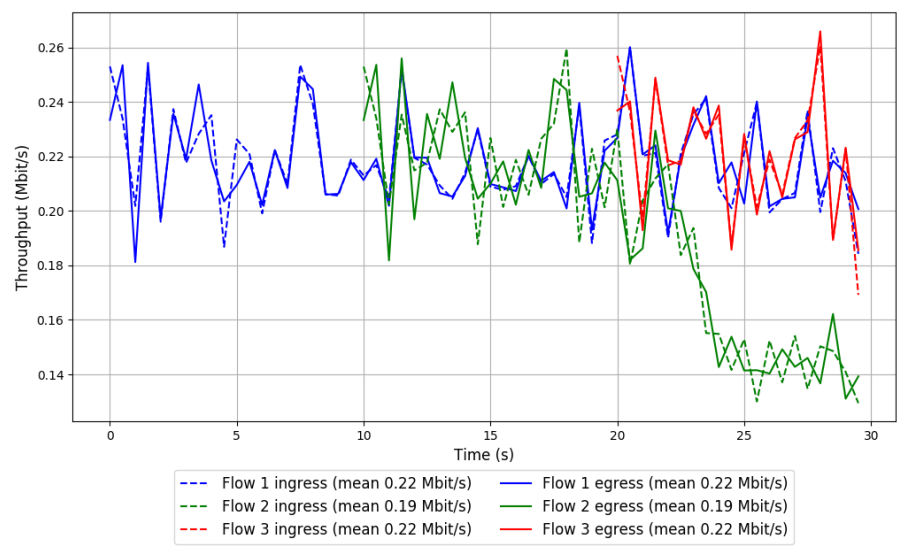


Run 8: Statistics of SCReAM

Start at: 2018-02-01 05:08:37
End at: 2018-02-01 05:09:07
Local clock offset: 0.804 ms
Remote clock offset: -3.951 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 31.123 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 30.438 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.431 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

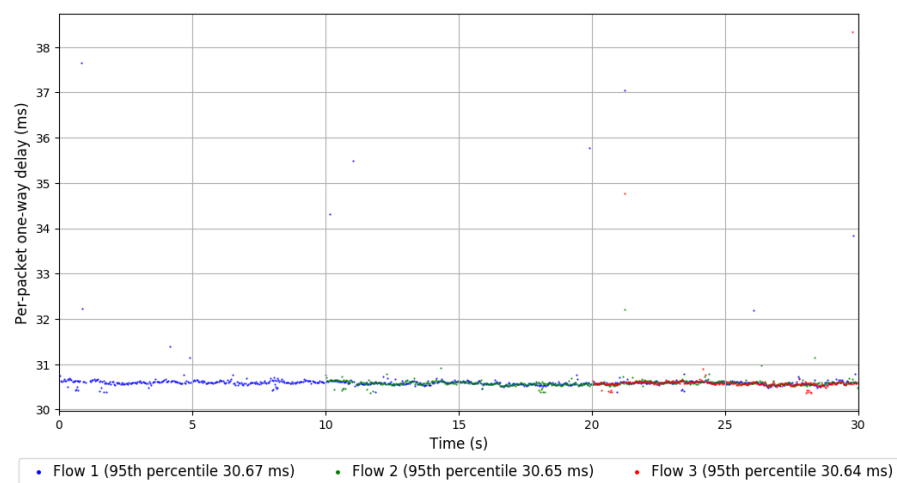
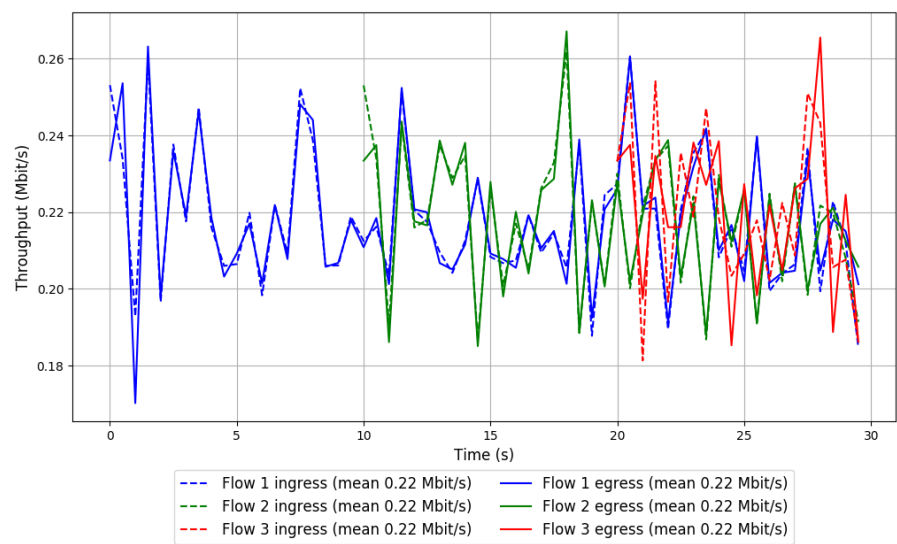


Run 9: Statistics of SReAM

Start at: 2018-02-01 05:36:50
End at: 2018-02-01 05:37:20
Local clock offset: 0.785 ms
Remote clock offset: -3.224 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.647 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-01 06:05:04

End at: 2018-02-01 06:05:34

Local clock offset: 0.864 ms

Remote clock offset: -1.86 ms

Below is generated by plot.py at 2018-02-01 06:57:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 30.734 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.774 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.632 ms

Loss rate: 0.00%

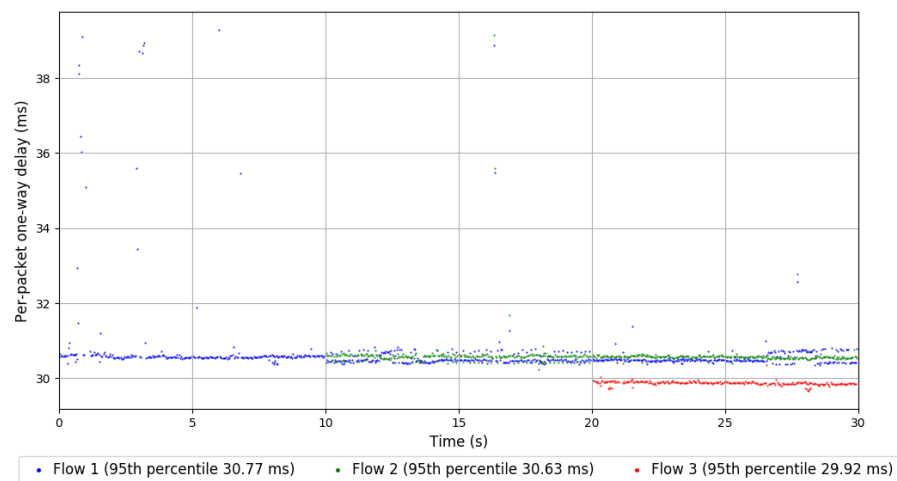
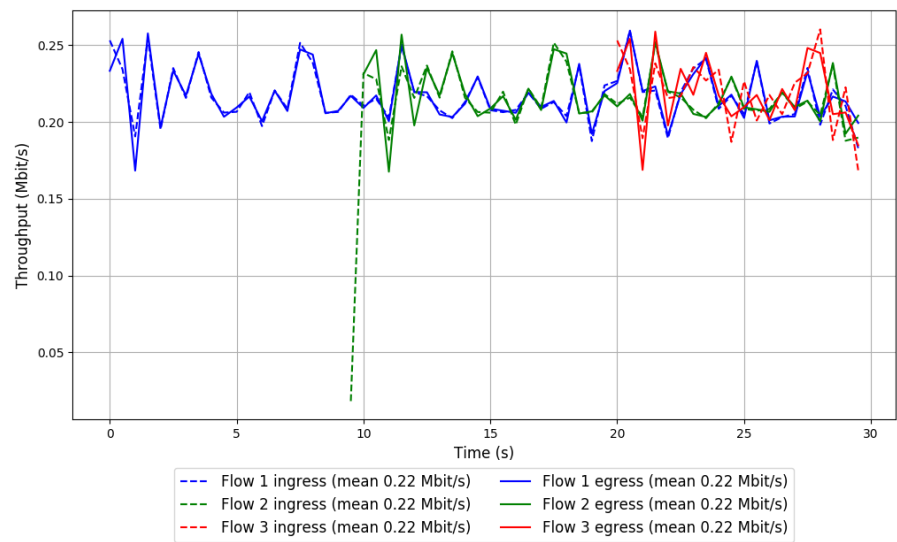
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.922 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

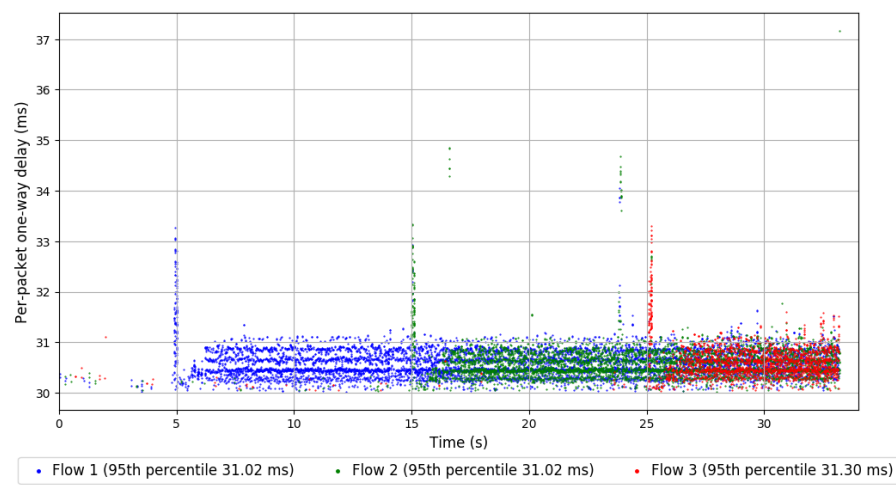
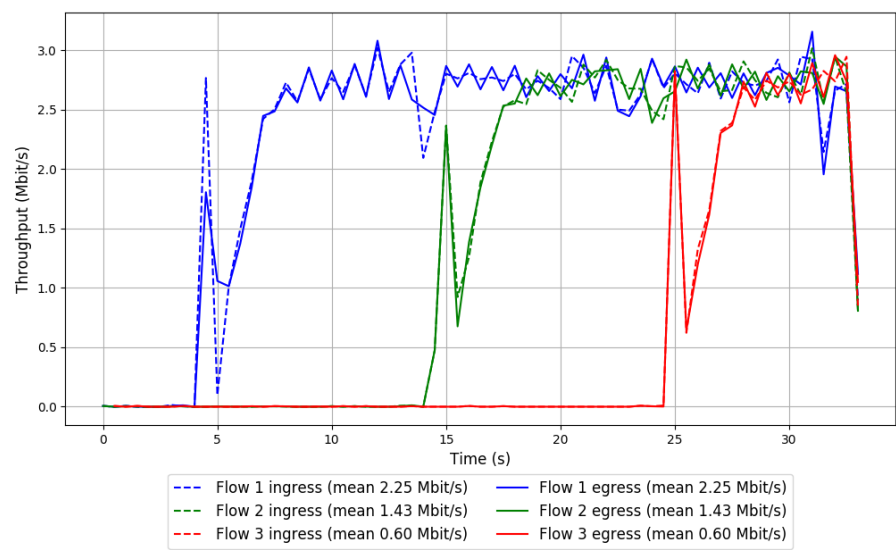


Run 1: Statistics of WebRTC media

Start at: 2018-02-01 01:51:06
End at: 2018-02-01 01:51:36
Local clock offset: 1.418 ms
Remote clock offset: -1.041 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 31.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 31.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

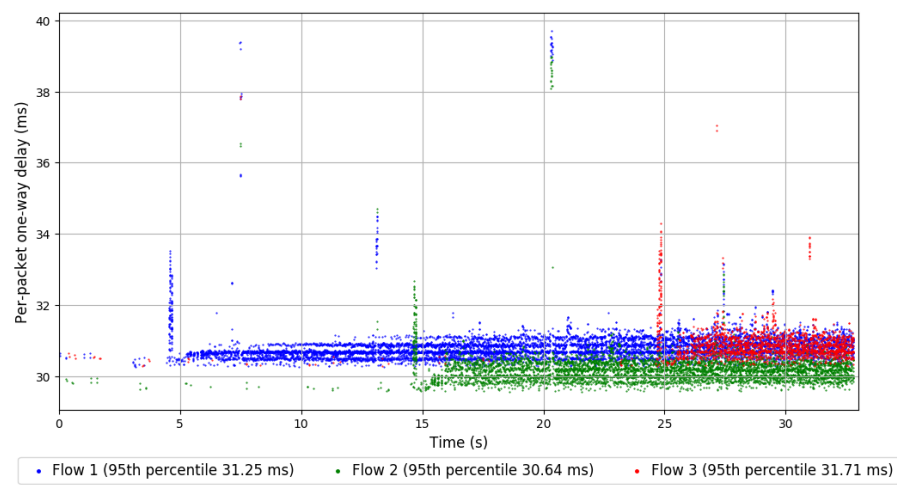
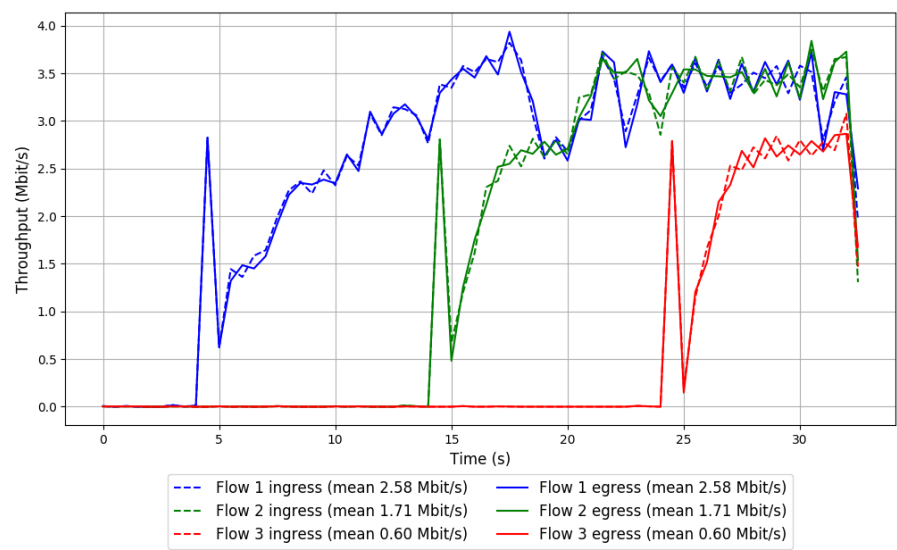


Run 2: Statistics of WebRTC media

Start at: 2018-02-01 02:17:42
End at: 2018-02-01 02:18:12
Local clock offset: 1.286 ms
Remote clock offset: -2.084 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 31.220 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 31.251 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 30.644 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.709 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

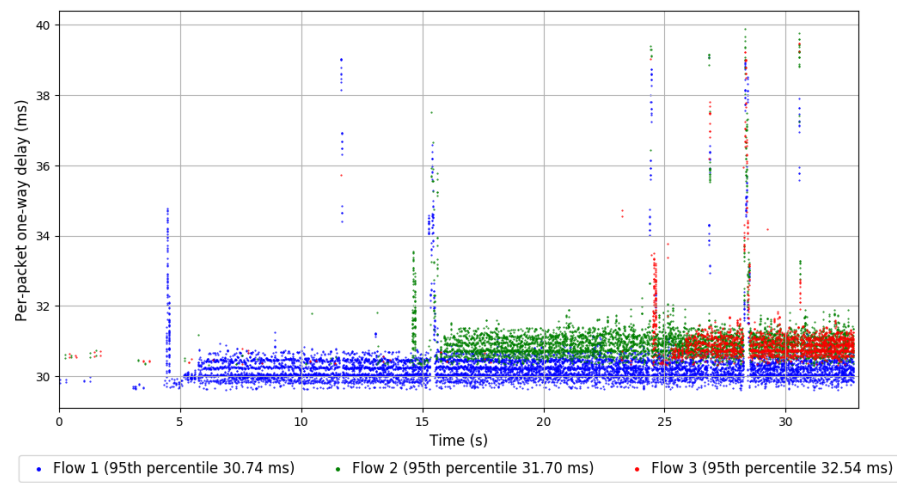
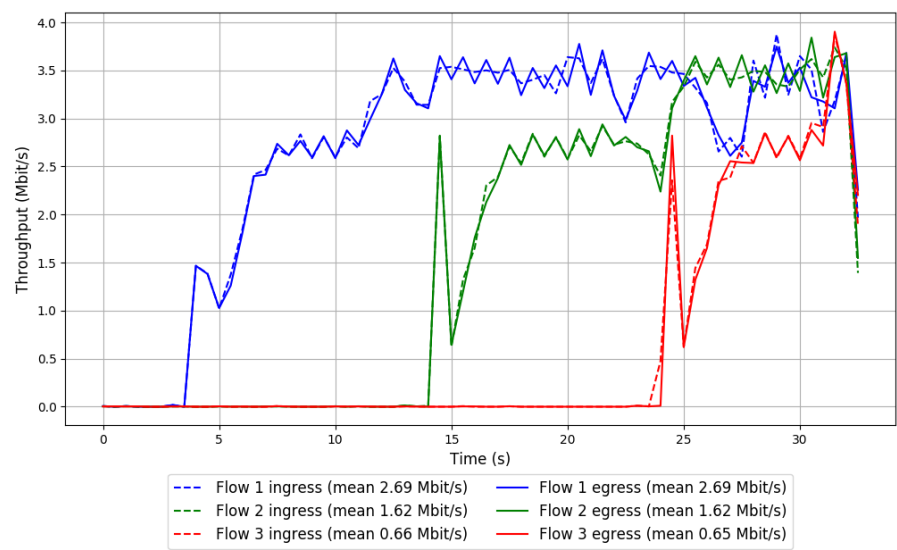


Run 3: Statistics of WebRTC media

Start at: 2018-02-01 02:42:59
End at: 2018-02-01 02:43:29
Local clock offset: 1.134 ms
Remote clock offset: -2.283 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 31.519 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 30.736 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 31.703 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 32.537 ms
Loss rate: 0.37%

Run 3: Report of WebRTC media — Data Link

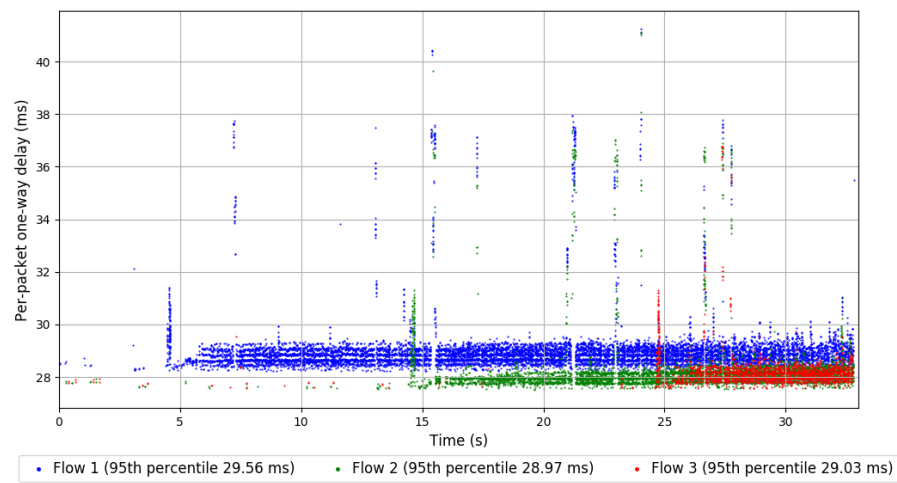
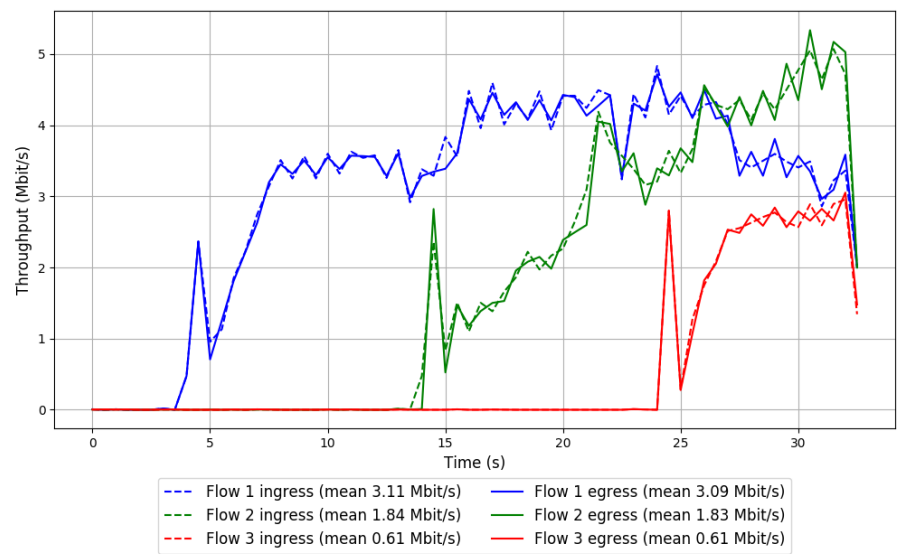


Run 4: Statistics of WebRTC media

Start at: 2018-02-01 03:08:14
End at: 2018-02-01 03:08:44
Local clock offset: 1.171 ms
Remote clock offset: -4.722 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 29.484 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 29.562 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 28.967 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 29.027 ms
Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link

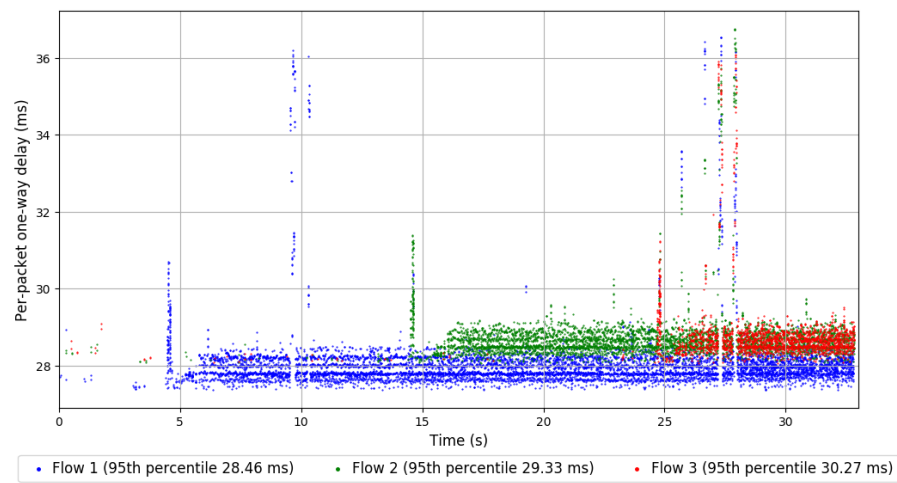
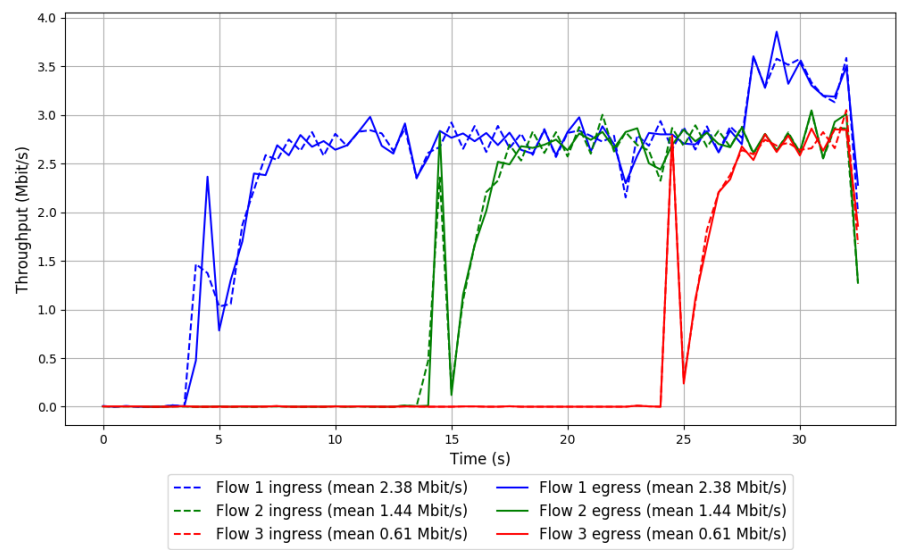


Run 5: Statistics of WebRTC media

Start at: 2018-02-01 03:39:46
End at: 2018-02-01 03:40:16
Local clock offset: 1.021 ms
Remote clock offset: -5.833 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 29.148 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 28.456 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 29.330 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.265 ms
Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

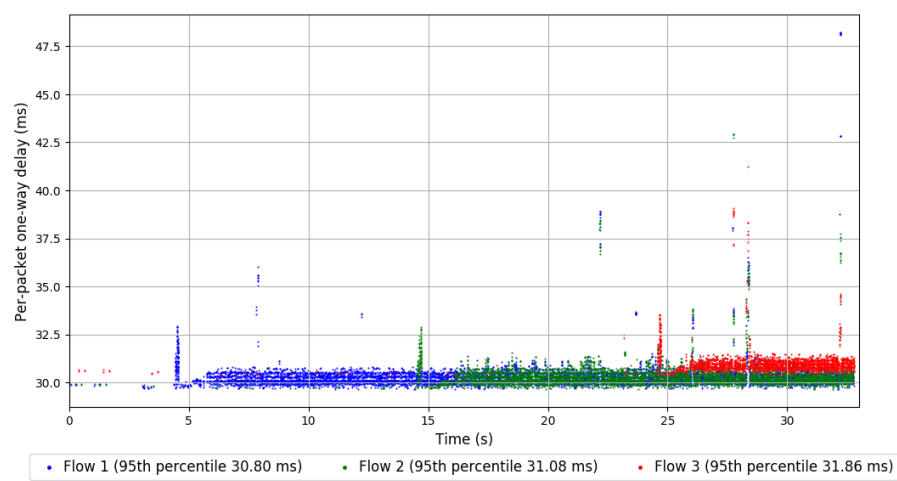
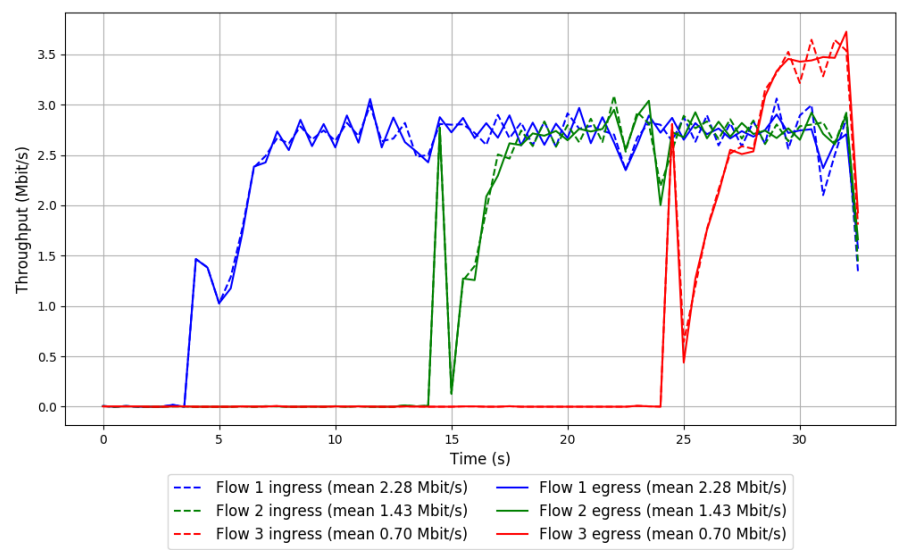


Run 6: Statistics of WebRTC media

Start at: 2018-02-01 04:10:39
End at: 2018-02-01 04:11:09
Local clock offset: 0.861 ms
Remote clock offset: -4.259 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 31.196 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.801 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.078 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 31.856 ms
Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link

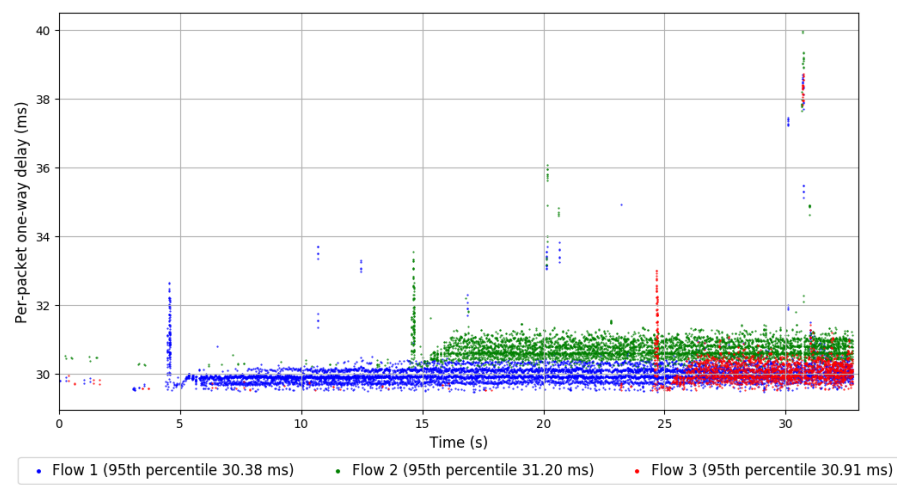
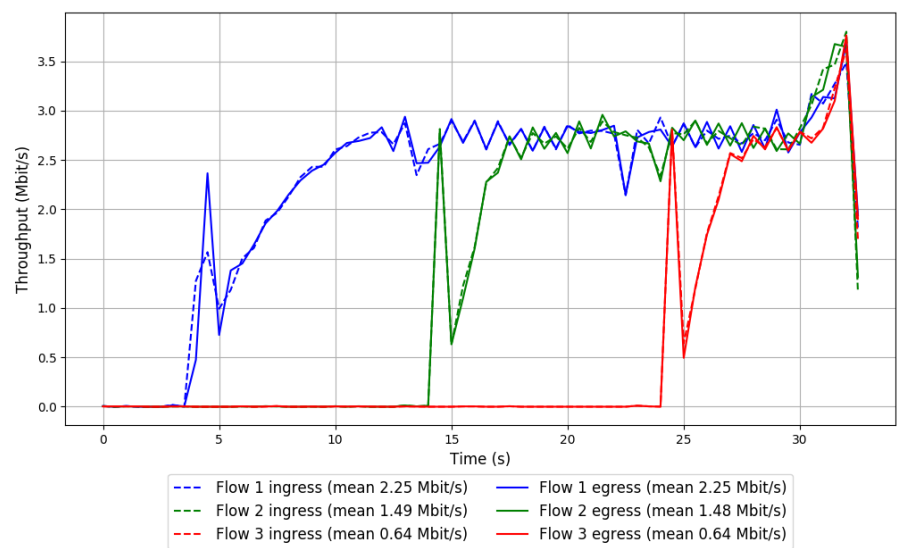


Run 7: Statistics of WebRTC media

Start at: 2018-02-01 04:37:44
End at: 2018-02-01 04:38:14
Local clock offset: 0.976 ms
Remote clock offset: -4.585 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 31.053 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 30.377 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 31.197 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 30.909 ms
Loss rate: 0.13%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-02-01 05:05:47

End at: 2018-02-01 05:06:17

Local clock offset: 0.907 ms

Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-02-01 06:57:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 29.100 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 29.176 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 28.557 ms

Loss rate: 0.12%

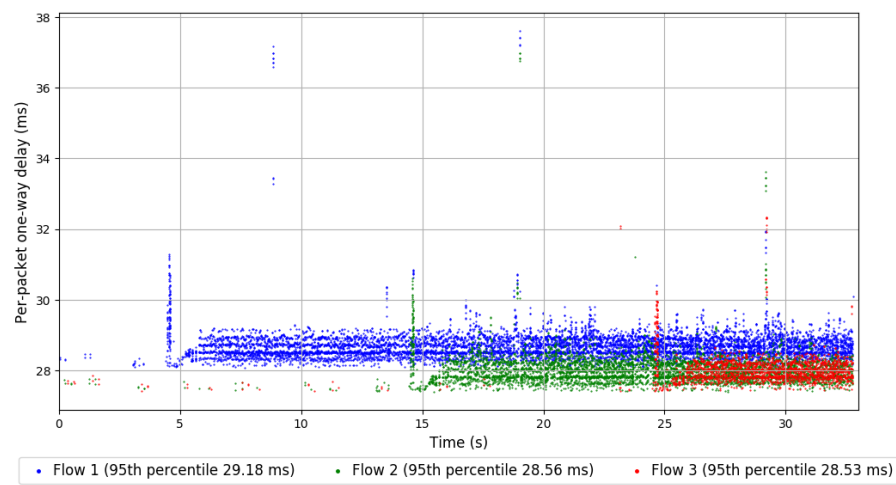
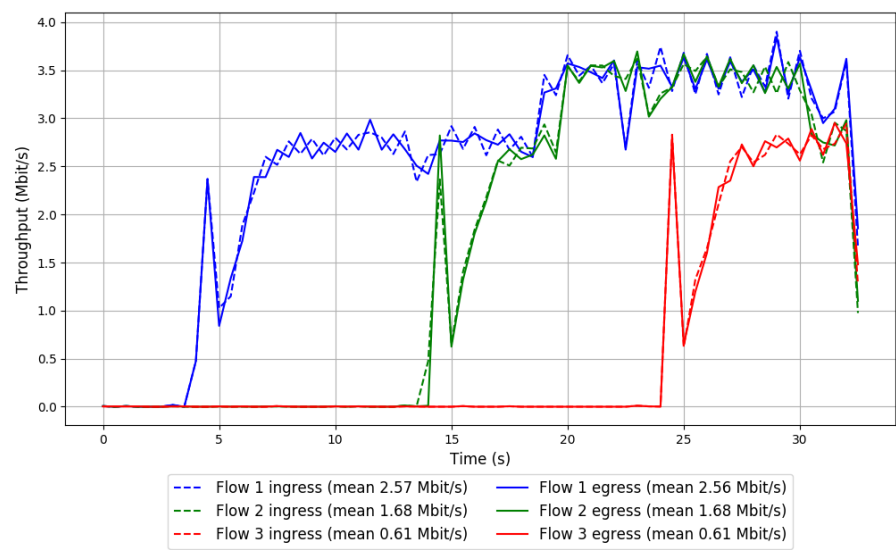
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 28.529 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

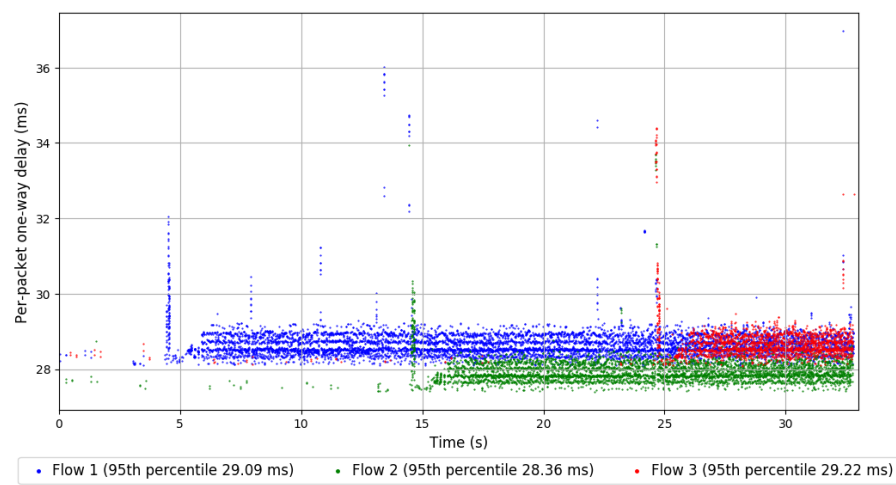
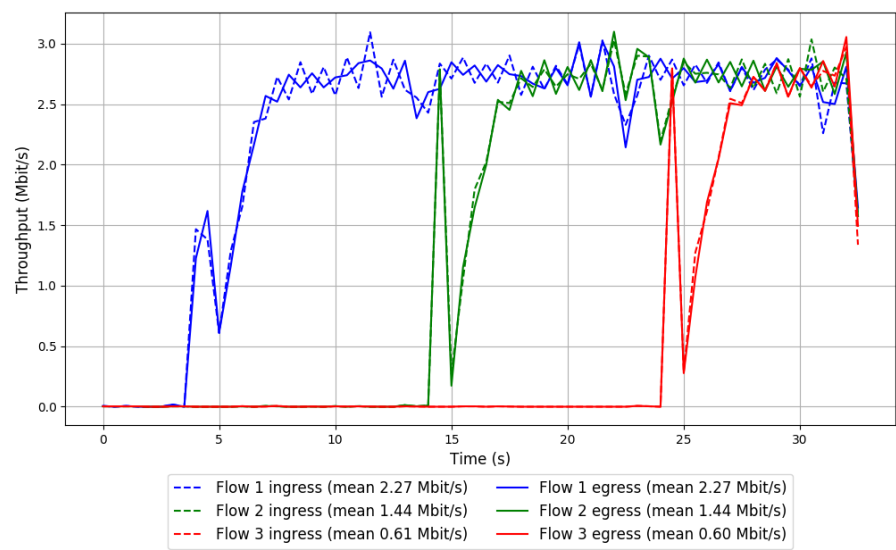


Run 9: Statistics of WebRTC media

Start at: 2018-02-01 05:33:50
End at: 2018-02-01 05:34:20
Local clock offset: 0.869 ms
Remote clock offset: -5.389 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 29.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 29.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 29.217 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-01 06:02:05

End at: 2018-02-01 06:02:35

Local clock offset: 0.865 ms

Remote clock offset: -4.08 ms

Below is generated by plot.py at 2018-02-01 06:57:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 29.101 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 2.50 Mbit/s

95th percentile per-packet one-way delay: 29.130 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 28.433 ms

Loss rate: 0.08%

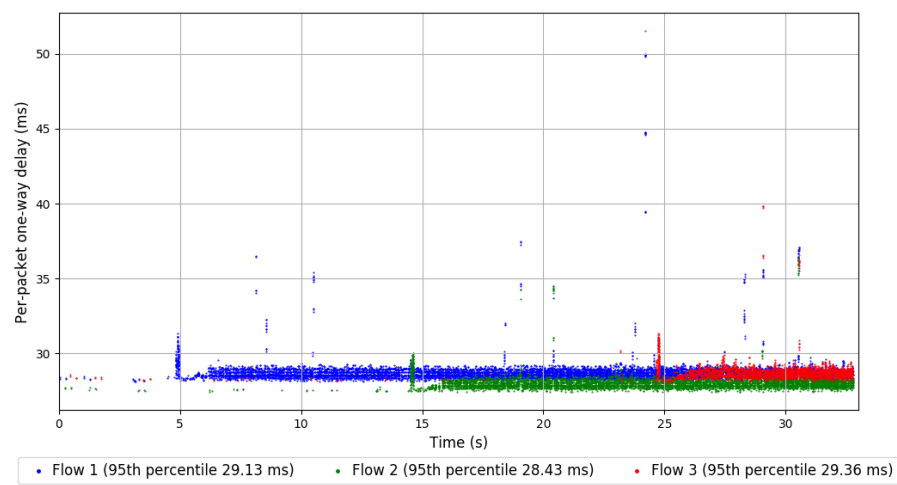
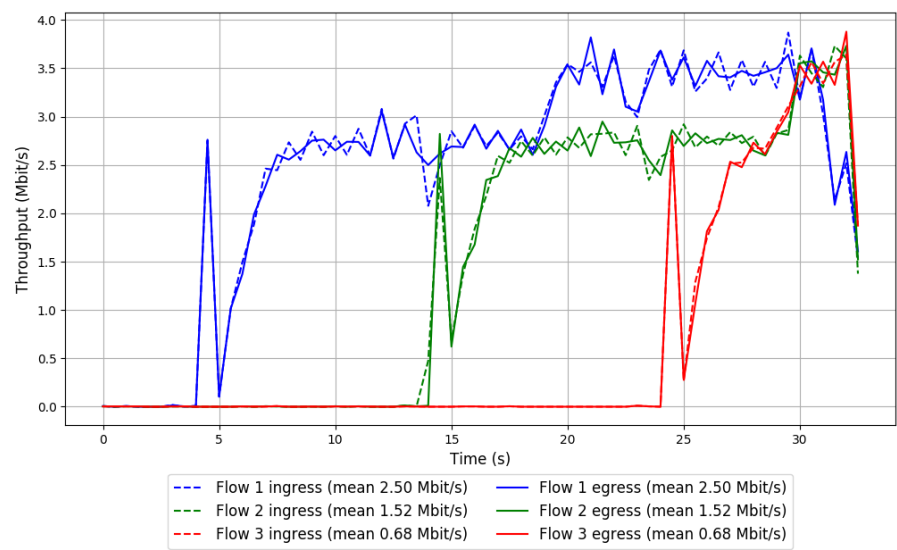
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 29.356 ms

Loss rate: 0.22%

Run 10: Report of WebRTC media — Data Link

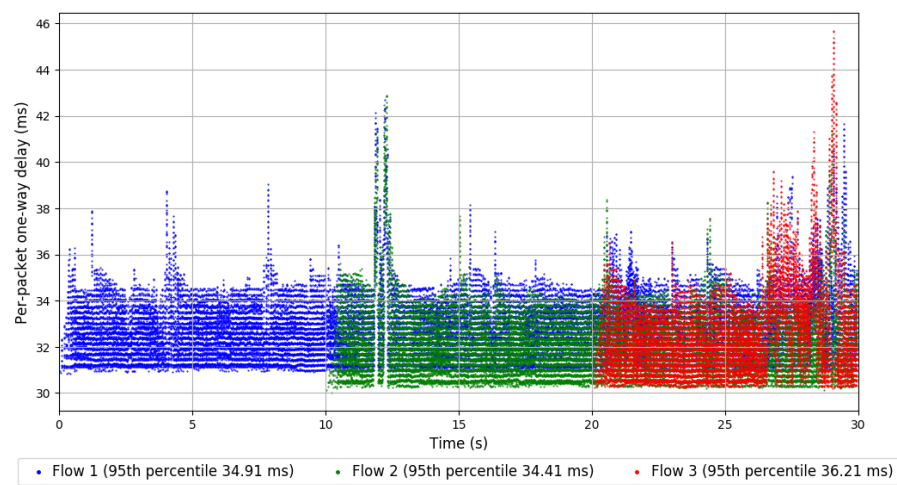
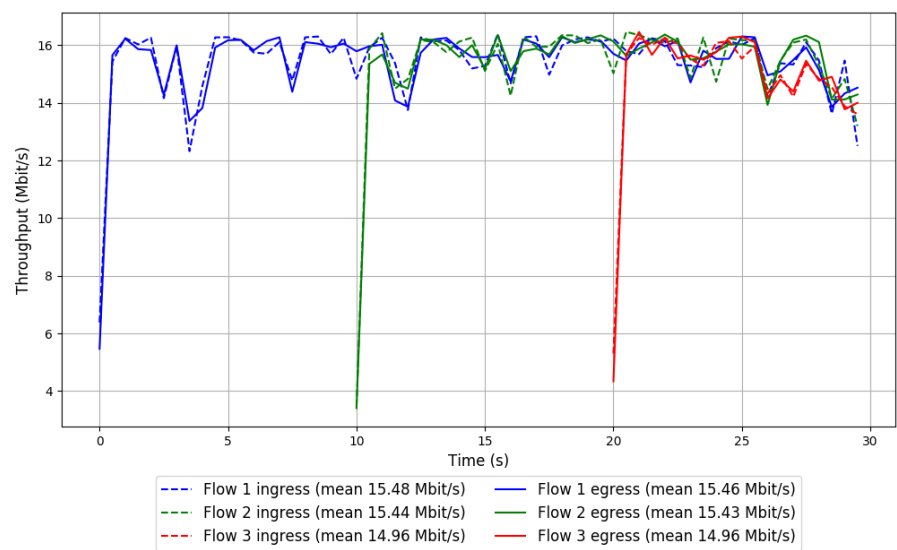


Run 1: Statistics of Sprout

Start at: 2018-02-01 01:58:03
End at: 2018-02-01 01:58:33
Local clock offset: 1.4 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-02-01 06:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 34.952 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 34.913 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 34.405 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 36.212 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

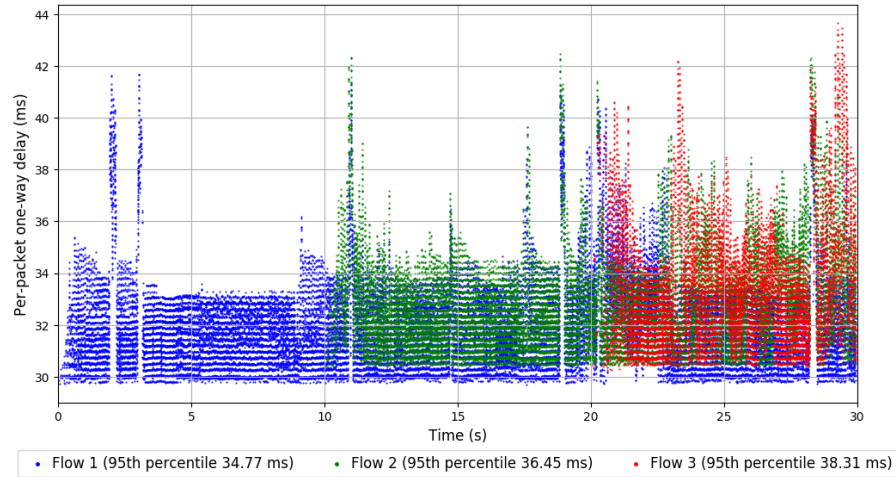
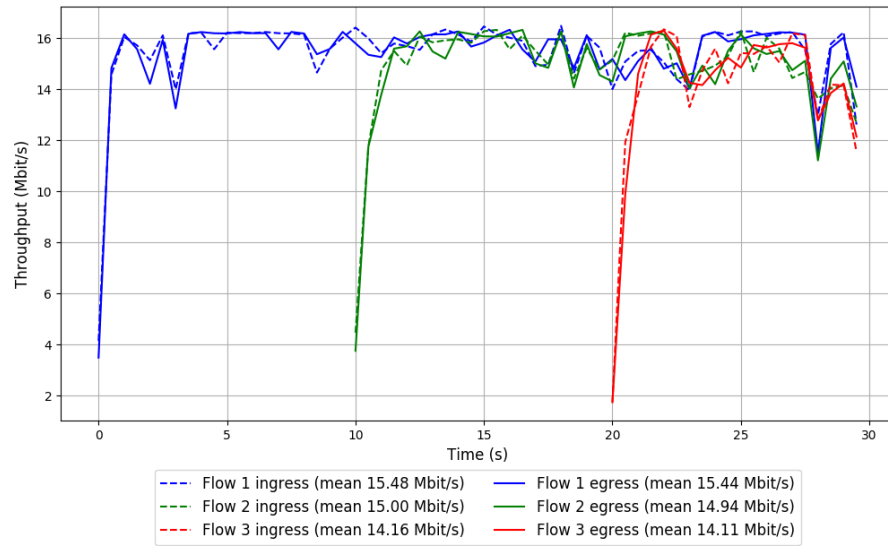


Run 2: Statistics of Sprout

Start at: 2018-02-01 02:24:35
End at: 2018-02-01 02:25:05
Local clock offset: 1.196 ms
Remote clock offset: -2.293 ms

```
# Below is generated by plot.py at 2018-02-01 06:57:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 36.326 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 34.775 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 36.451 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 38.308 ms
Loss rate: 0.30%
```


Run 2: Report of Sprout — Data Link

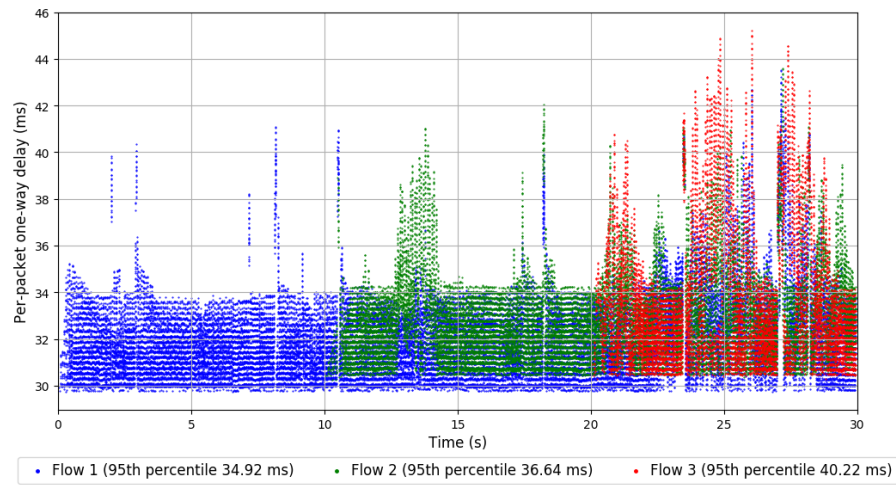
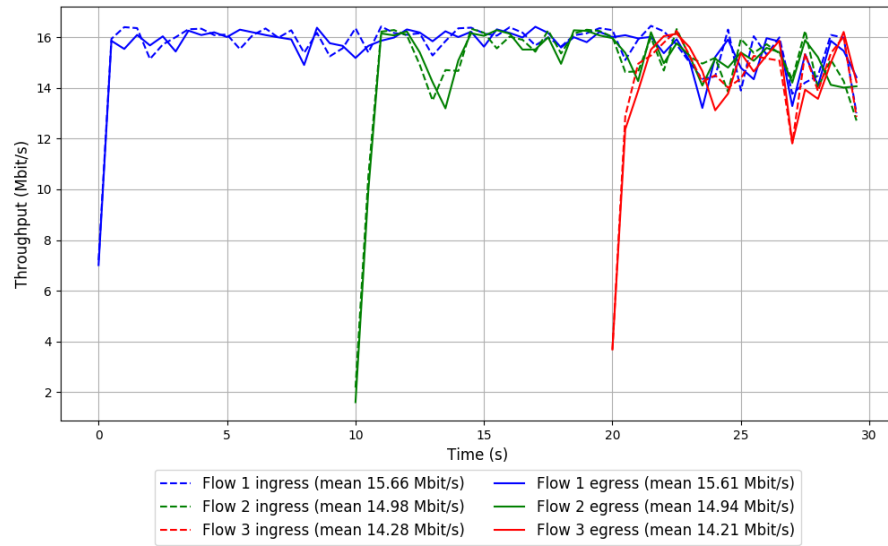


Run 3: Statistics of Sprout

Start at: 2018-02-01 02:49:41
End at: 2018-02-01 02:50:11
Local clock offset: 1.198 ms
Remote clock offset: -2.321 ms

```
# Below is generated by plot.py at 2018-02-01 06:57:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 37.080 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 34.925 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 36.639 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 40.223 ms
Loss rate: 0.47%
```

Run 3: Report of Sprout — Data Link

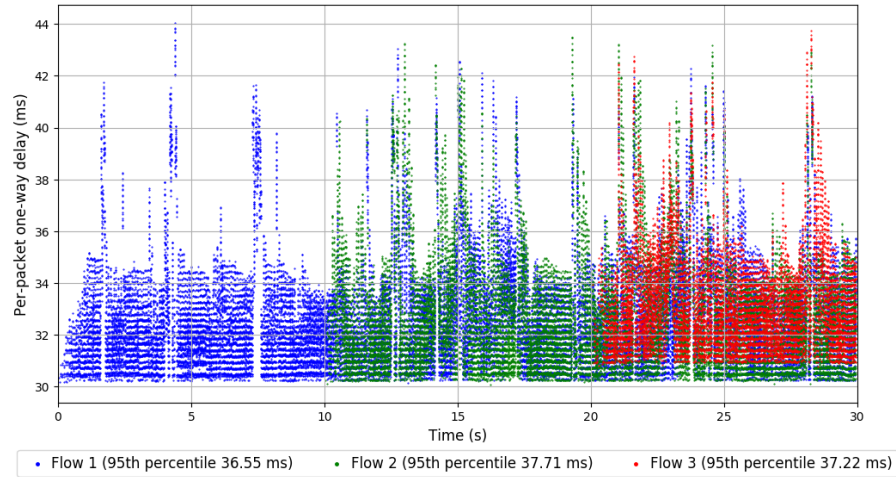
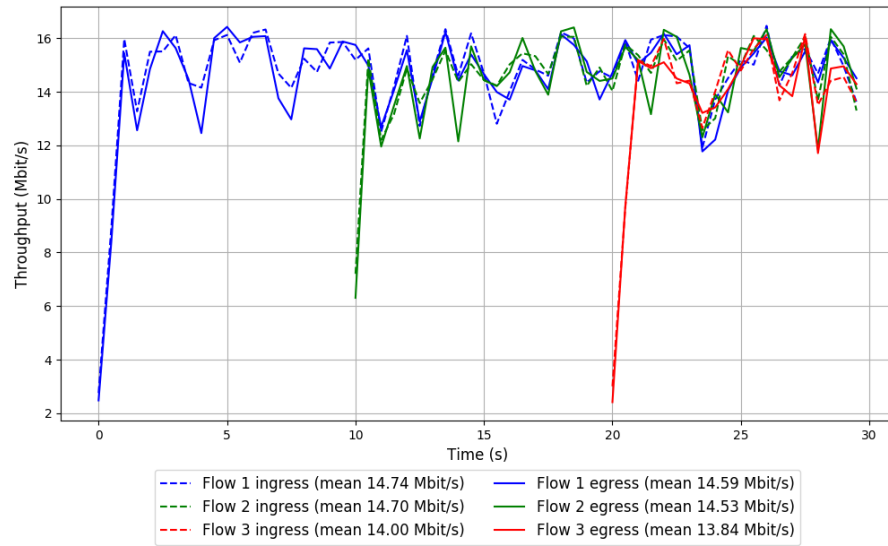


Run 4: Statistics of Sprout

Start at: 2018-02-01 03:15:17
End at: 2018-02-01 03:15:47
Local clock offset: 1.115 ms
Remote clock offset: -2.566 ms

```
# Below is generated by plot.py at 2018-02-01 06:57:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 28.83 Mbit/s
95th percentile per-packet one-way delay: 37.077 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 37.709 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 37.219 ms
Loss rate: 1.15%
```

Run 4: Report of Sprout — Data Link

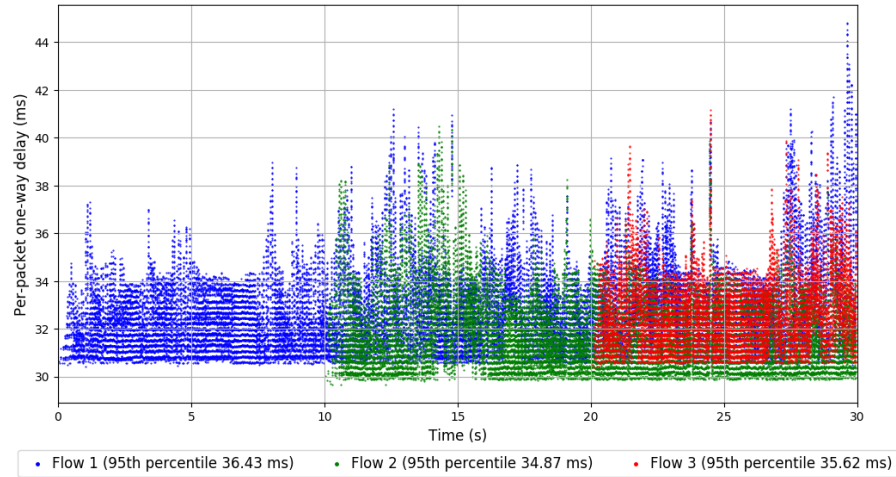
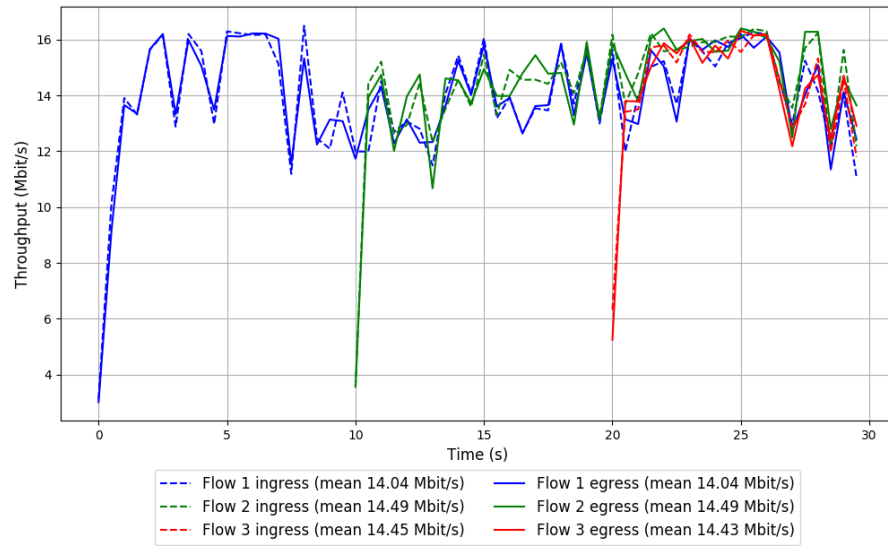


Run 5: Statistics of Sprout

Start at: 2018-02-01 03:47:18
End at: 2018-02-01 03:47:48
Local clock offset: 0.925 ms
Remote clock offset: -3.767 ms

Below is generated by plot.py at 2018-02-01 06:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.46 Mbit/s
95th percentile per-packet one-way delay: 35.858 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 36.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 34.866 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 35.615 ms
Loss rate: 0.09%

Run 5: Report of Sprout — Data Link

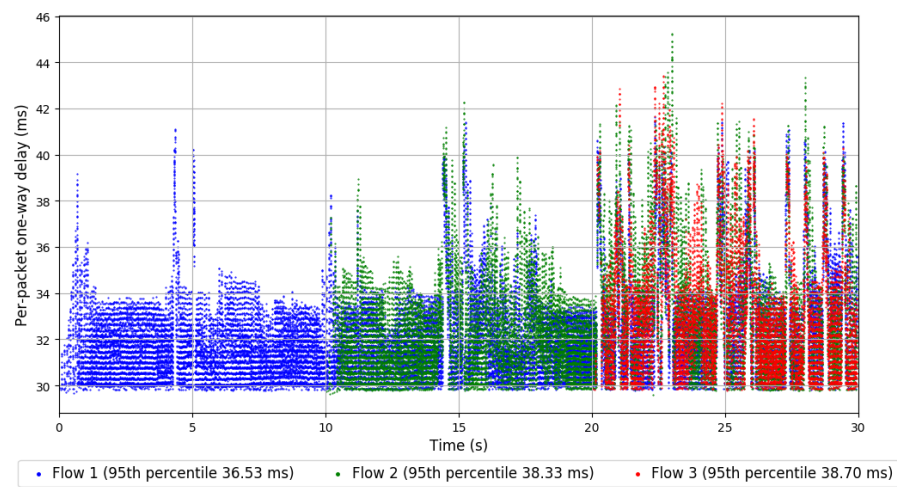
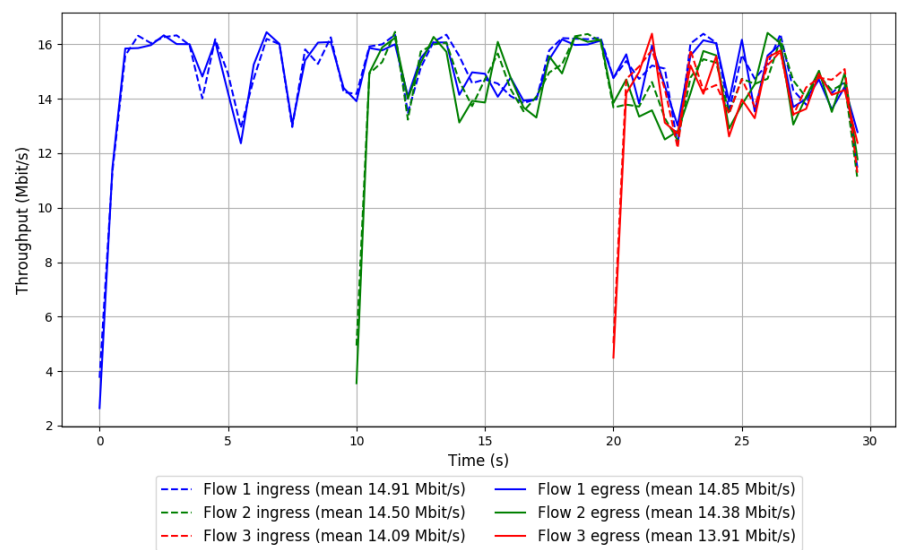


Run 6: Statistics of Sprout

Start at: 2018-02-01 04:18:03
End at: 2018-02-01 04:18:33
Local clock offset: 0.97 ms
Remote clock offset: -4.367 ms

Below is generated by plot.py at 2018-02-01 06:57:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 37.801 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 36.535 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 38.326 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 38.700 ms
Loss rate: 1.26%

Run 6: Report of Sprout — Data Link

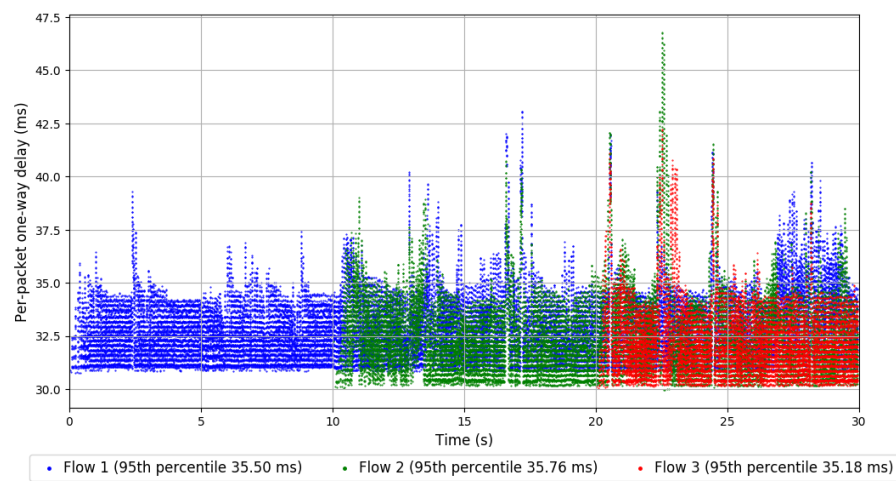
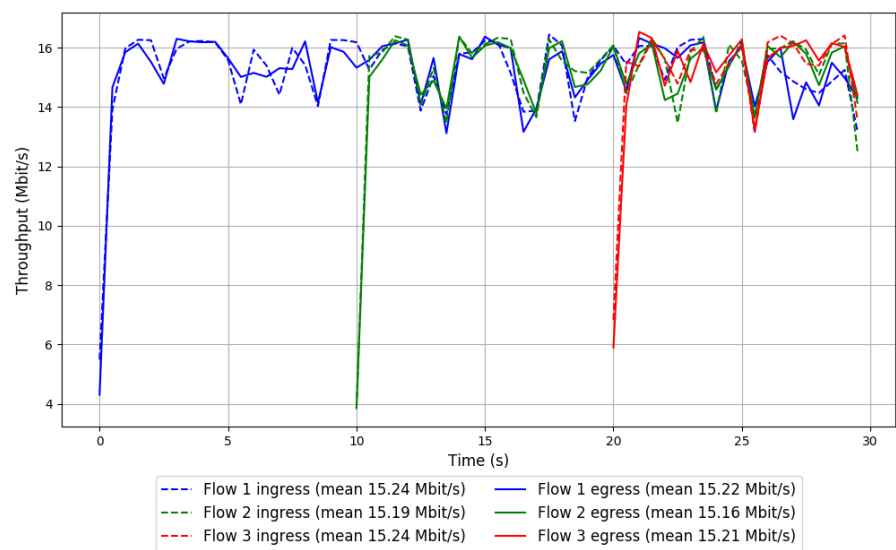


Run 7: Statistics of Sprout

Start at: 2018-02-01 04:45:20
End at: 2018-02-01 04:45:50
Local clock offset: 0.973 ms
Remote clock offset: -4.089 ms

Below is generated by plot.py at 2018-02-01 06:57:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 35.542 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 35.500 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 35.761 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 35.179 ms
Loss rate: 0.18%

Run 7: Report of Sprout — Data Link

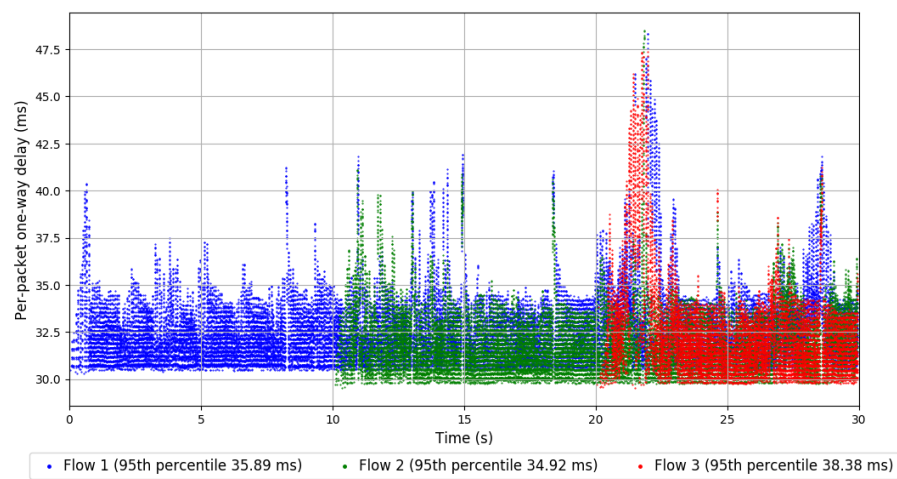
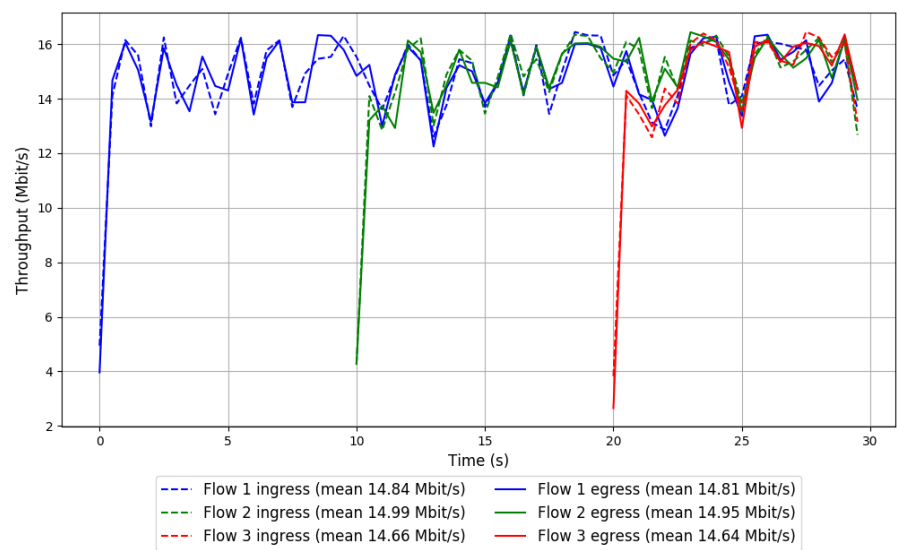


Run 8: Statistics of Sprout

Start at: 2018-02-01 05:13:04
End at: 2018-02-01 05:13:34
Local clock offset: 0.888 ms
Remote clock offset: -4.148 ms

Below is generated by plot.py at 2018-02-01 06:57:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 35.835 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 35.886 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 34.917 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 38.376 ms
Loss rate: 0.06%

Run 8: Report of Sprout — Data Link

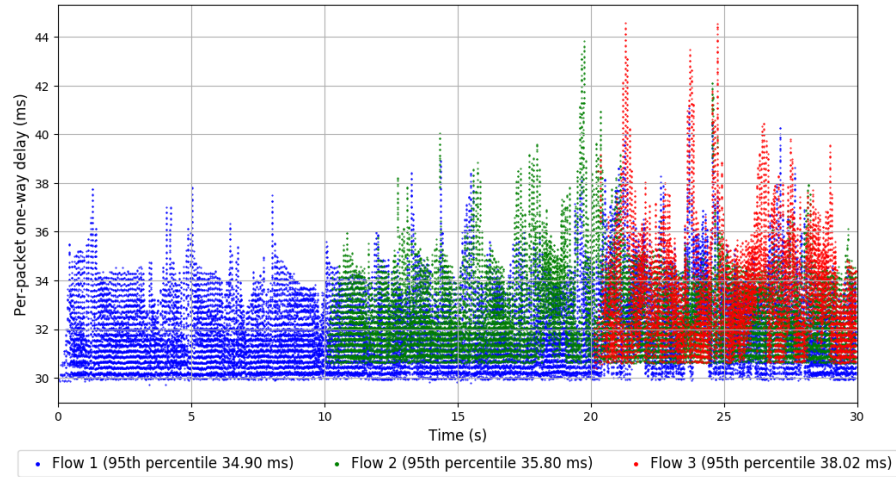
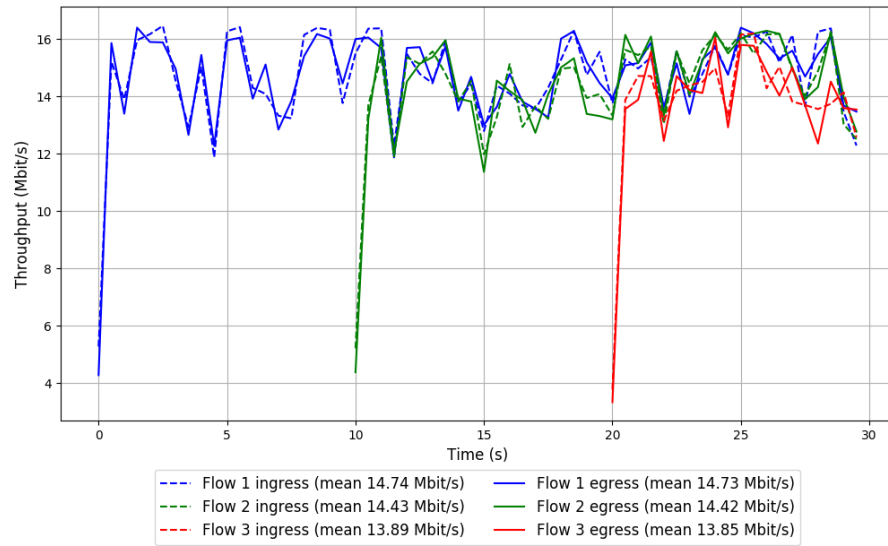


Run 9: Statistics of Sprout

Start at: 2018-02-01 05:41:17
End at: 2018-02-01 05:41:47
Local clock offset: 0.798 ms
Remote clock offset: -2.864 ms

Below is generated by plot.py at 2018-02-01 06:57:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 35.884 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 34.897 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 35.805 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 38.022 ms
Loss rate: 0.30%

Run 9: Report of Sprout — Data Link

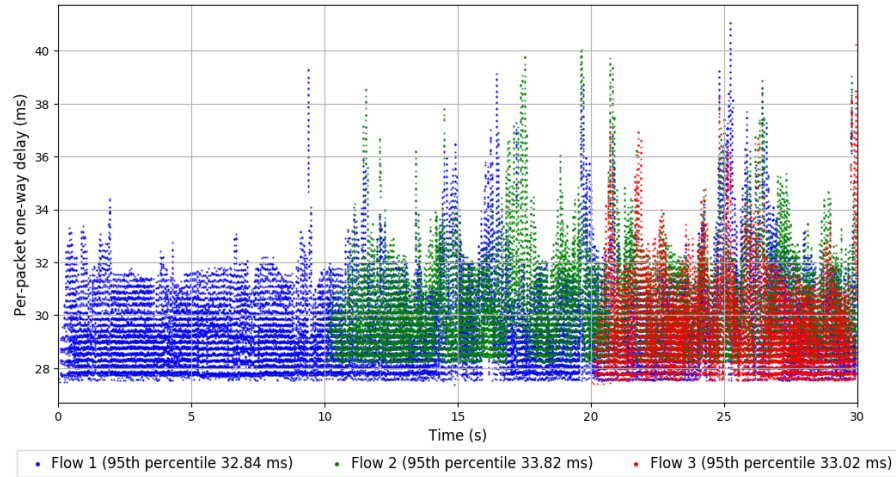
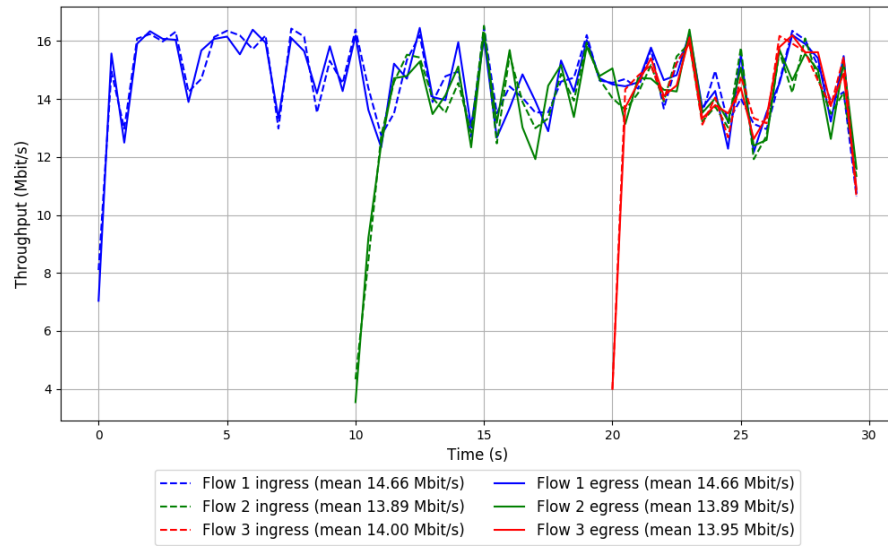


Run 10: Statistics of Sprout

Start at: 2018-02-01 06:09:39
End at: 2018-02-01 06:10:09
Local clock offset: 0.886 ms
Remote clock offset: -3.967 ms

Below is generated by plot.py at 2018-02-01 06:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 33.236 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 32.839 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 33.819 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 33.018 ms
Loss rate: 0.21%

Run 10: Report of Sprout — Data Link

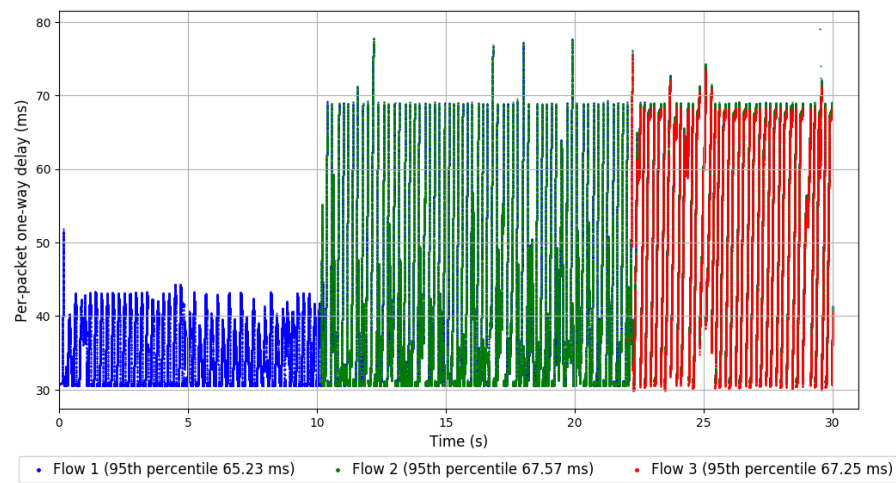
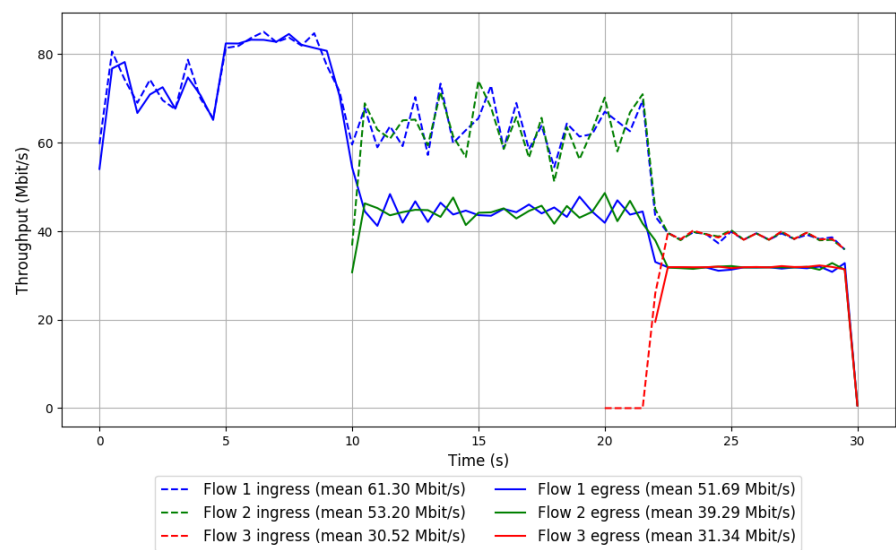


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-01 01:40:30
End at: 2018-02-01 01:41:00
Local clock offset: 1.393 ms
Remote clock offset: -1.232 ms

# Below is generated by plot.py at 2018-02-01 07:00:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.17 Mbit/s
95th percentile per-packet one-way delay: 67.043 ms
Loss rate: 19.34%
-- Flow 1:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 65.231 ms
Loss rate: 15.64%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 67.571 ms
Loss rate: 26.12%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 67.252 ms
Loss rate: 17.98%
```

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

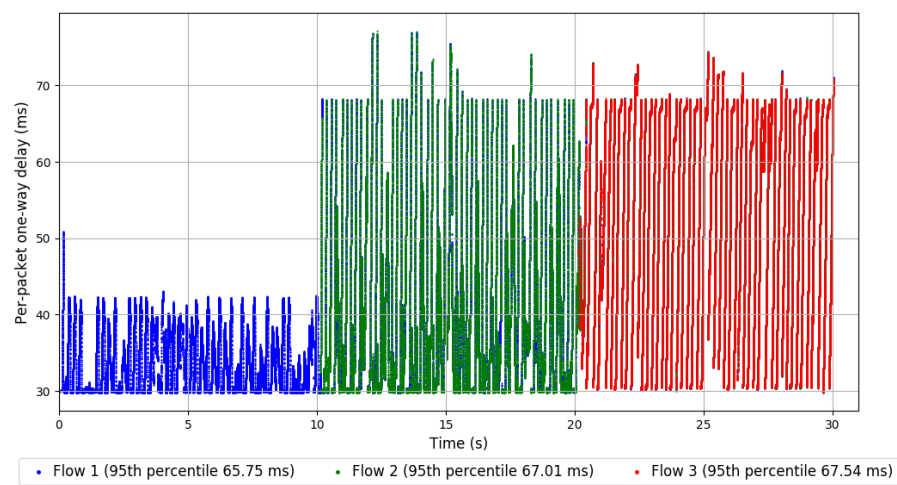
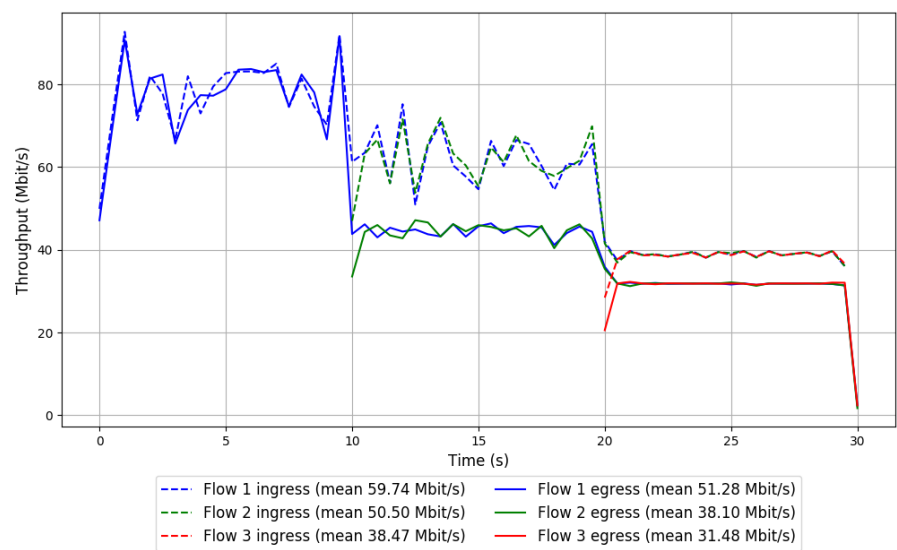


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-01 02:06:51
End at: 2018-02-01 02:07:21
Local clock offset: 1.357 ms
Remote clock offset: -1.865 ms

Below is generated by plot.py at 2018-02-01 07:00:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 66.825 ms
Loss rate: 17.81%
-- Flow 1:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 65.748 ms
Loss rate: 14.04%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 67.006 ms
Loss rate: 24.45%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 67.536 ms
Loss rate: 17.93%

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

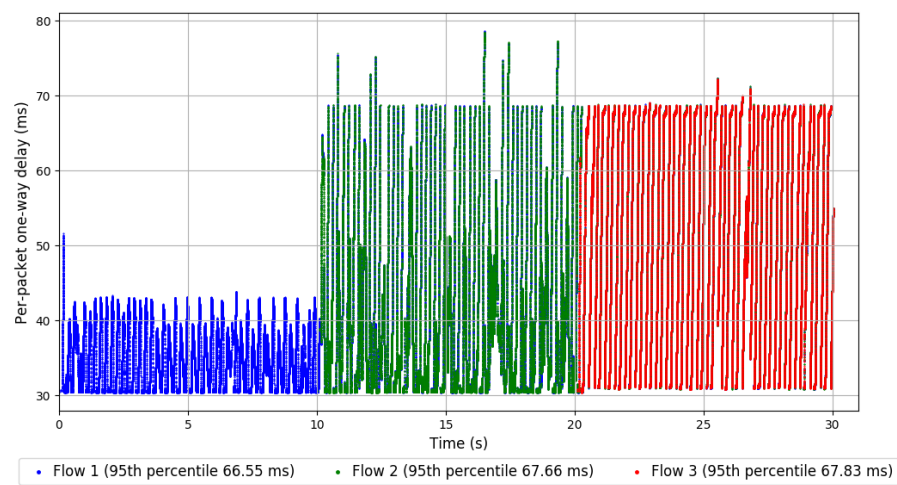
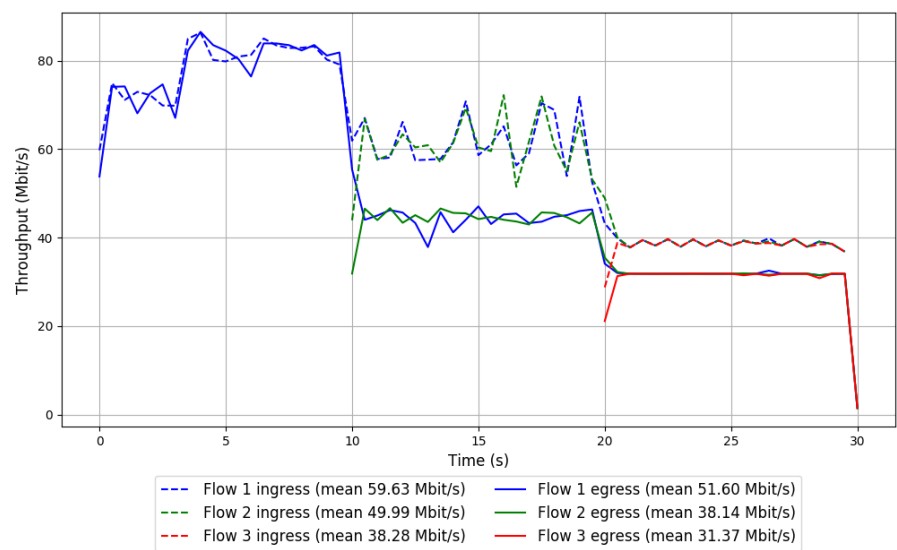


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-01 02:33:09
End at: 2018-02-01 02:33:39
Local clock offset: 1.253 ms
Remote clock offset: -2.357 ms

Below is generated by plot.py at 2018-02-01 07:00:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 67.572 ms
Loss rate: 17.17%
-- Flow 1:
Average throughput: 51.60 Mbit/s
95th percentile per-packet one-way delay: 66.550 ms
Loss rate: 13.40%
-- Flow 2:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 67.658 ms
Loss rate: 23.62%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 67.830 ms
Loss rate: 17.97%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-02-01 02:57:55

End at: 2018-02-01 02:58:25

Local clock offset: 1.198 ms

Remote clock offset: -1.78 ms

Below is generated by plot.py at 2018-02-01 07:00:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 68.197 ms

Loss rate: 17.89%

-- Flow 1:

Average throughput: 52.31 Mbit/s

95th percentile per-packet one-way delay: 66.538 ms

Loss rate: 14.00%

-- Flow 2:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 68.293 ms

Loss rate: 24.90%

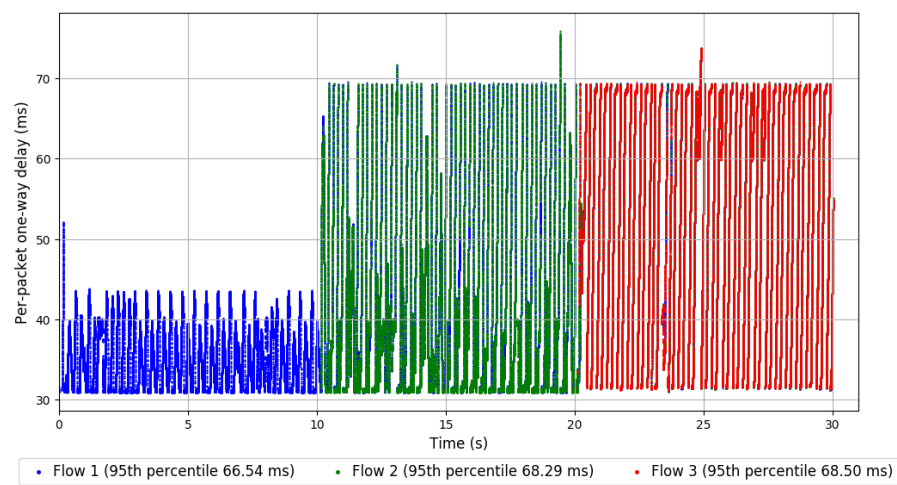
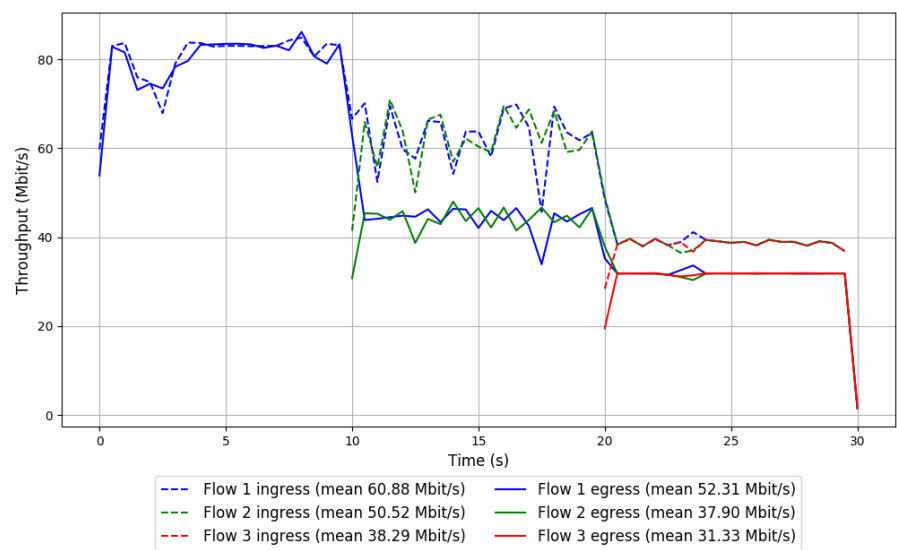
-- Flow 3:

Average throughput: 31.33 Mbit/s

95th percentile per-packet one-way delay: 68.497 ms

Loss rate: 17.99%

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

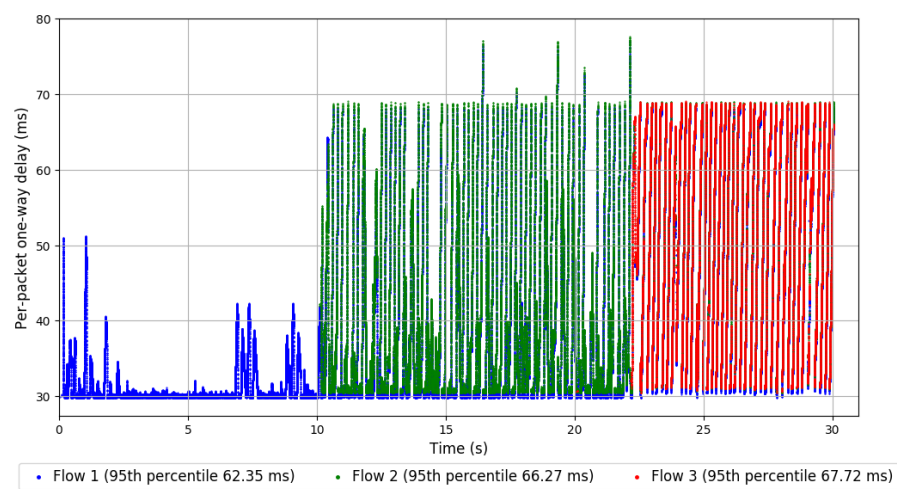
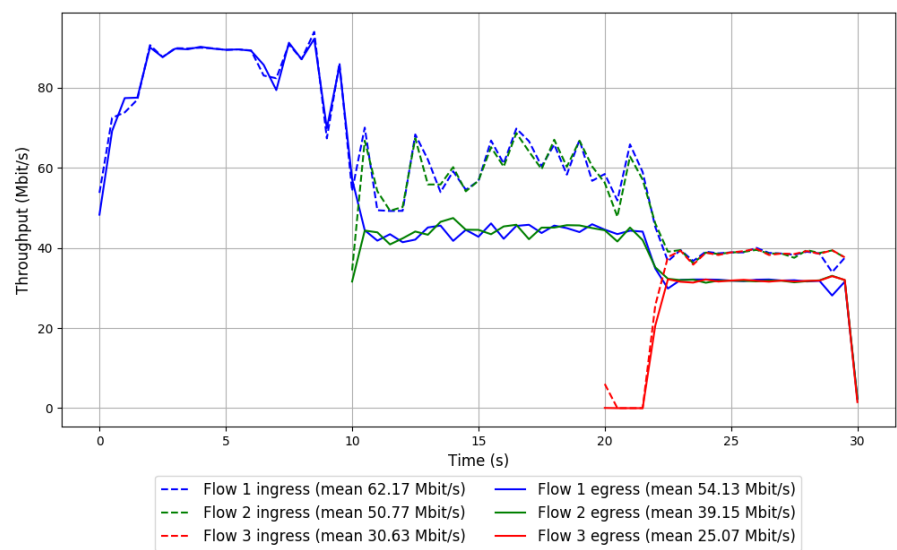


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-01 03:26:23
End at: 2018-02-01 03:26:53
Local clock offset: 1.072 ms
Remote clock offset: -3.367 ms

Below is generated by plot.py at 2018-02-01 07:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 65.266 ms
Loss rate: 16.48%
-- Flow 1:
Average throughput: 54.13 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 12.83%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 66.271 ms
Loss rate: 22.74%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 67.715 ms
Loss rate: 17.93%

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

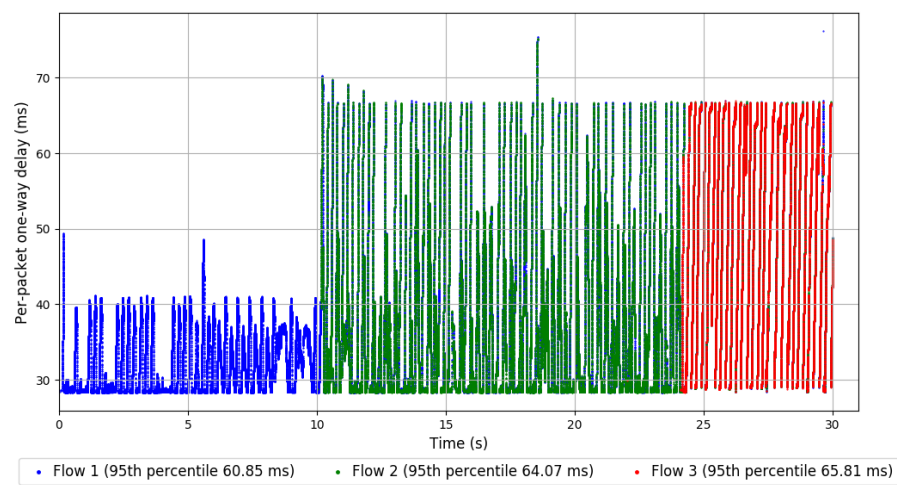
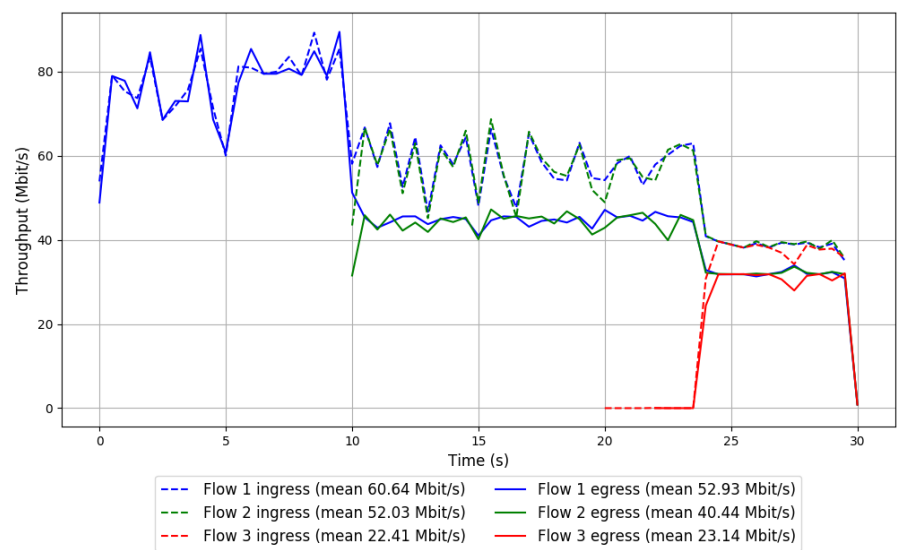


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-01 03:57:32
End at: 2018-02-01 03:58:02
Local clock offset: 0.974 ms
Remote clock offset: -6.278 ms

Below is generated by plot.py at 2018-02-01 07:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 63.718 ms
Loss rate: 16.21%
-- Flow 1:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 60.852 ms
Loss rate: 12.66%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 64.068 ms
Loss rate: 22.19%
-- Flow 3:
Average throughput: 23.14 Mbit/s
95th percentile per-packet one-way delay: 65.806 ms
Loss rate: 17.33%

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

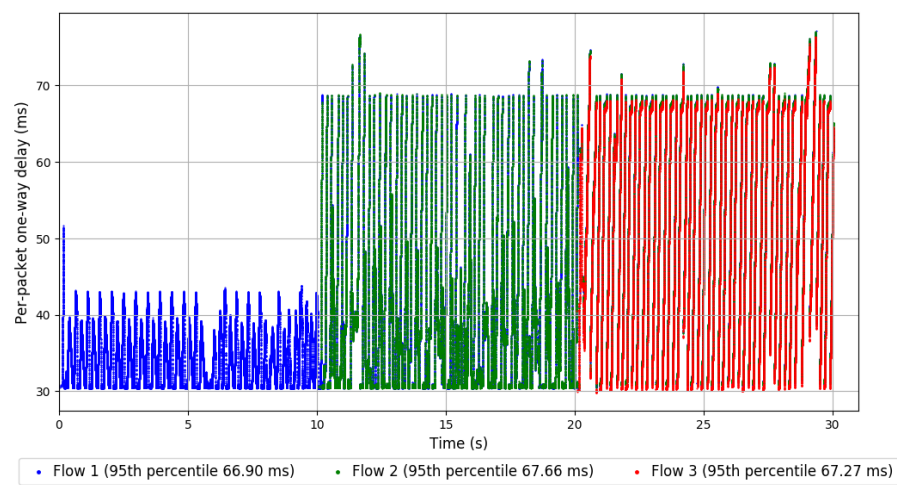
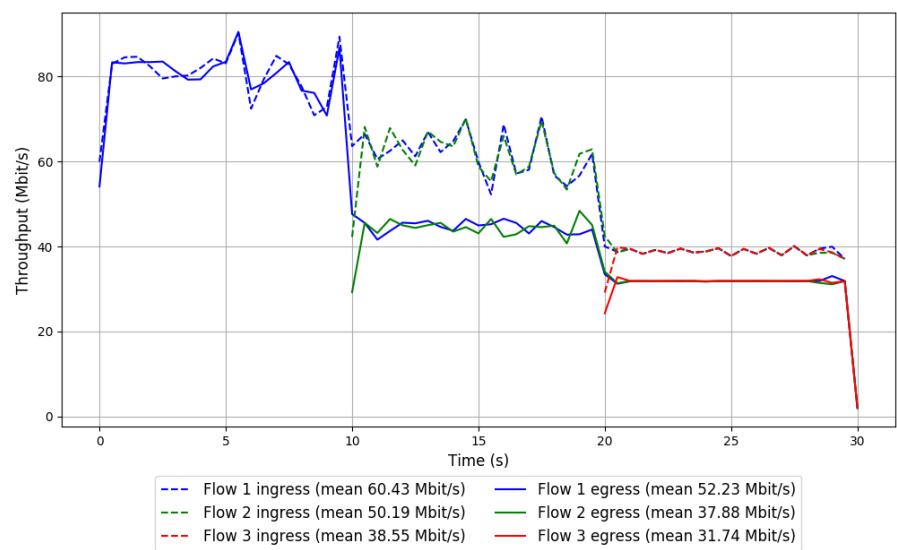


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-01 04:26:50
End at: 2018-02-01 04:27:20
Local clock offset: 0.954 ms
Remote clock offset: -4.549 ms

Below is generated by plot.py at 2018-02-01 07:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 67.429 ms
Loss rate: 17.38%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 66.896 ms
Loss rate: 13.48%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 67.662 ms
Loss rate: 24.38%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 67.272 ms
Loss rate: 17.47%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-01 04:54:33

End at: 2018-02-01 04:55:03

Local clock offset: 0.953 ms

Remote clock offset: -6.5 ms

Below is generated by plot.py at 2018-02-01 07:00:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.98 Mbit/s

95th percentile per-packet one-way delay: 64.293 ms

Loss rate: 17.60%

-- Flow 1:

Average throughput: 53.36 Mbit/s

95th percentile per-packet one-way delay: 61.938 ms

Loss rate: 13.57%

-- Flow 2:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 64.526 ms

Loss rate: 24.34%

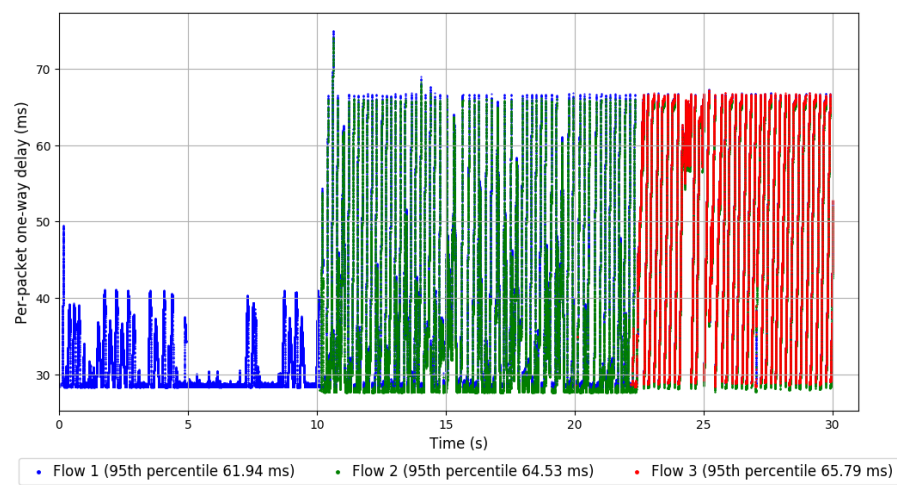
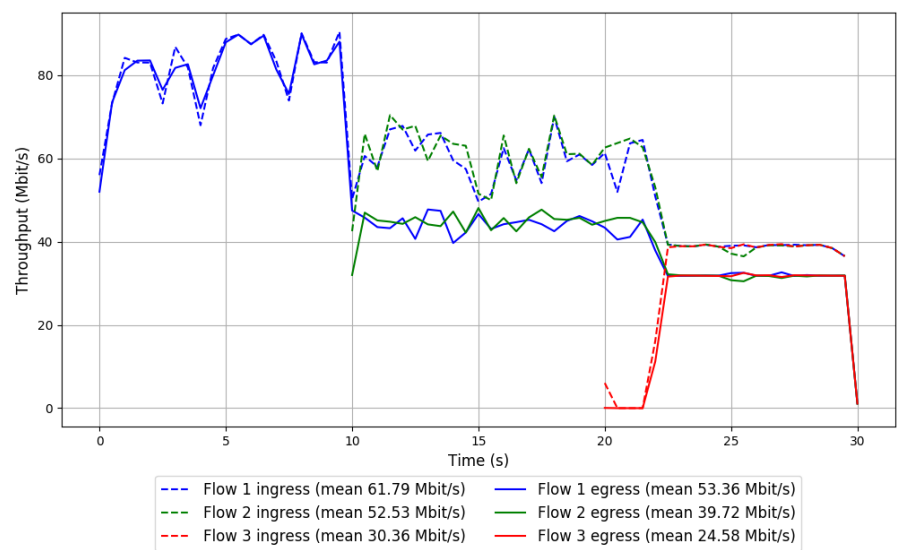
-- Flow 3:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 65.792 ms

Loss rate: 18.84%

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

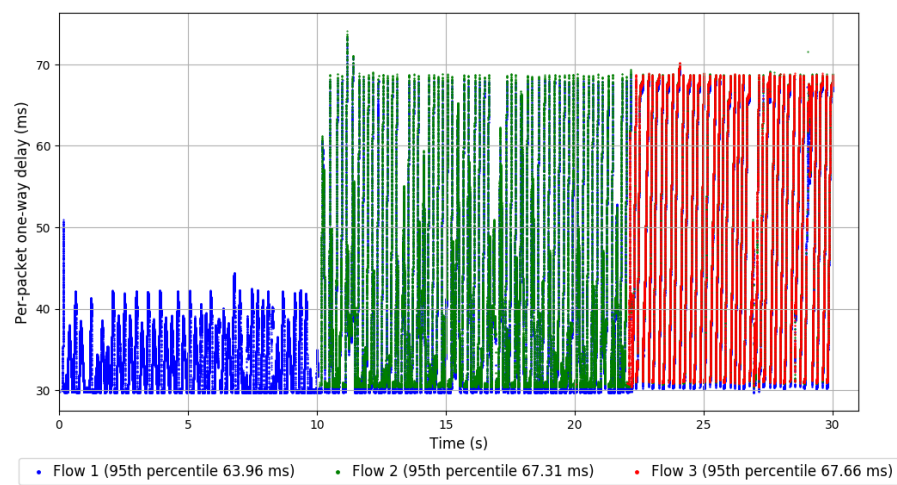
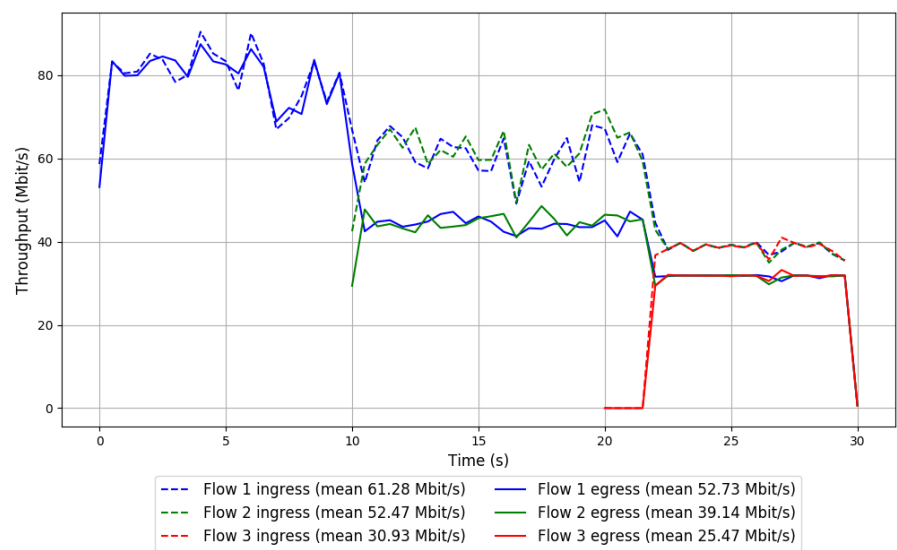


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-01 05:22:22
End at: 2018-02-01 05:22:52
Local clock offset: 0.781 ms
Remote clock offset: -3.903 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 66.650 ms
Loss rate: 18.00%
-- Flow 1:
Average throughput: 52.73 Mbit/s
95th percentile per-packet one-way delay: 63.957 ms
Loss rate: 13.90%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 67.308 ms
Loss rate: 25.35%
-- Flow 3:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 67.656 ms
Loss rate: 17.53%

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

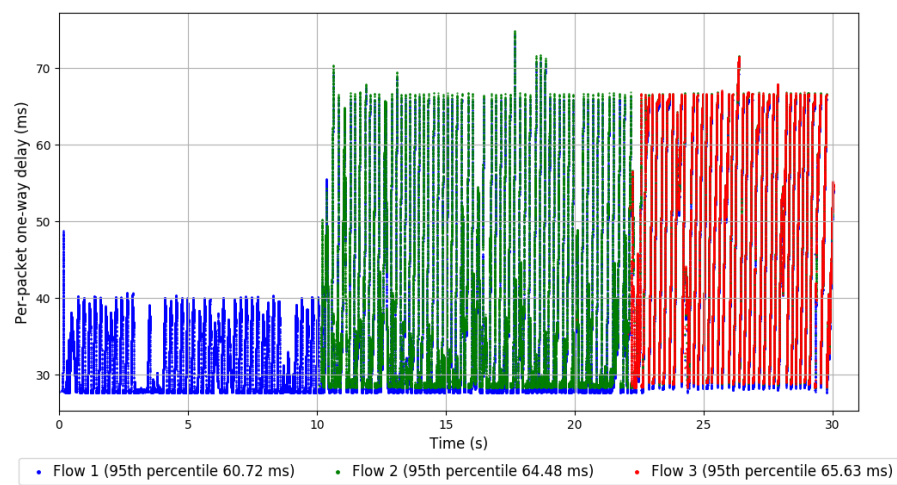
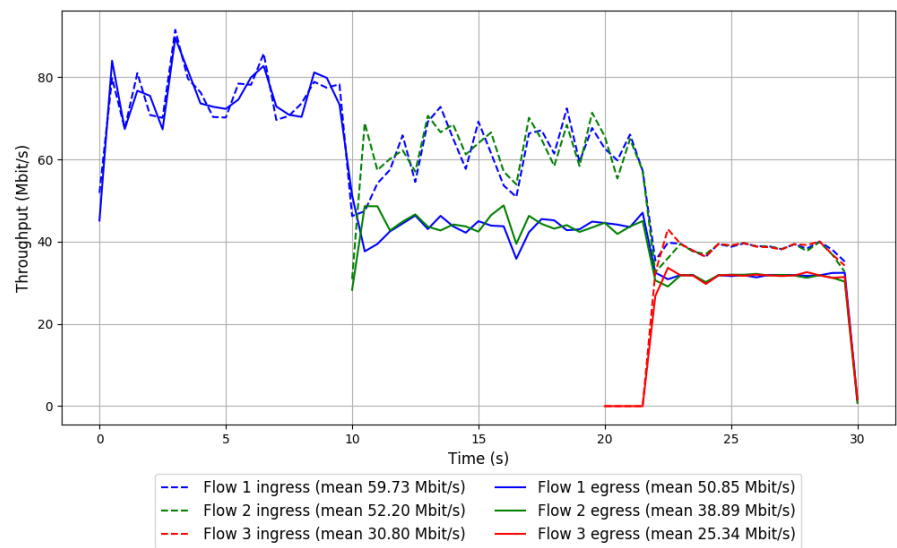


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-01 05:50:44
End at: 2018-02-01 05:51:14
Local clock offset: 0.867 ms
Remote clock offset: -4.571 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 63.448 ms
Loss rate: 18.62%
-- Flow 1:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 60.719 ms
Loss rate: 14.80%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 64.481 ms
Loss rate: 25.48%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 65.626 ms
Loss rate: 17.60%

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

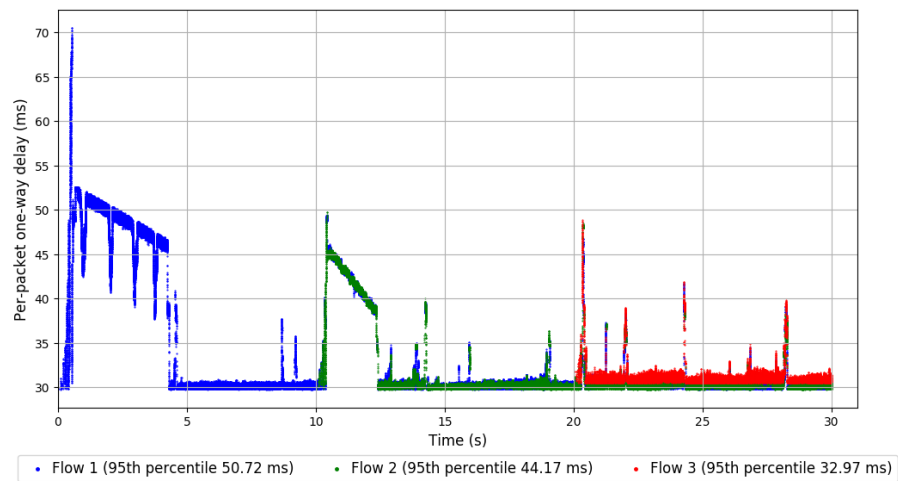
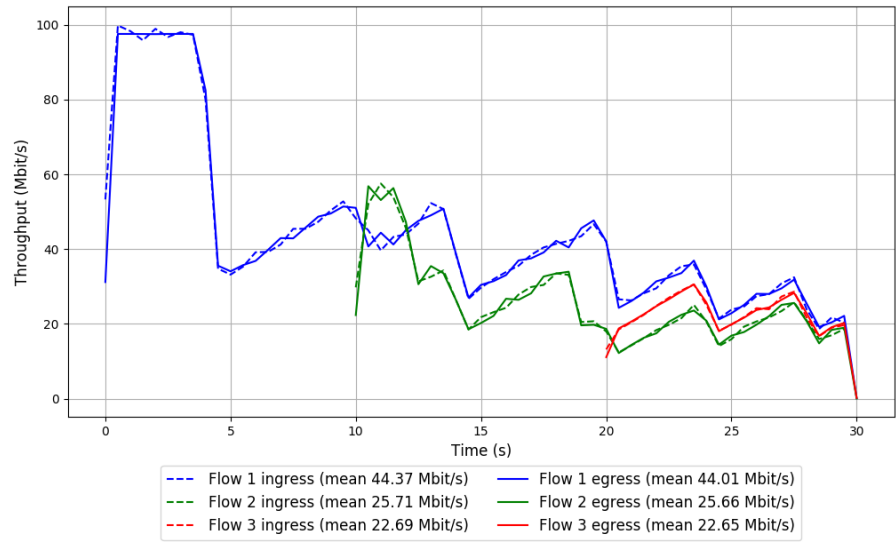


Run 1: Statistics of TCP Vegas

Start at: 2018-02-01 01:42:10
End at: 2018-02-01 01:42:40
Local clock offset: 1.465 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 50.068 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 50.716 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 44.172 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 32.970 ms
Loss rate: 0.16%

Run 1: Report of TCP Vegas — Data Link

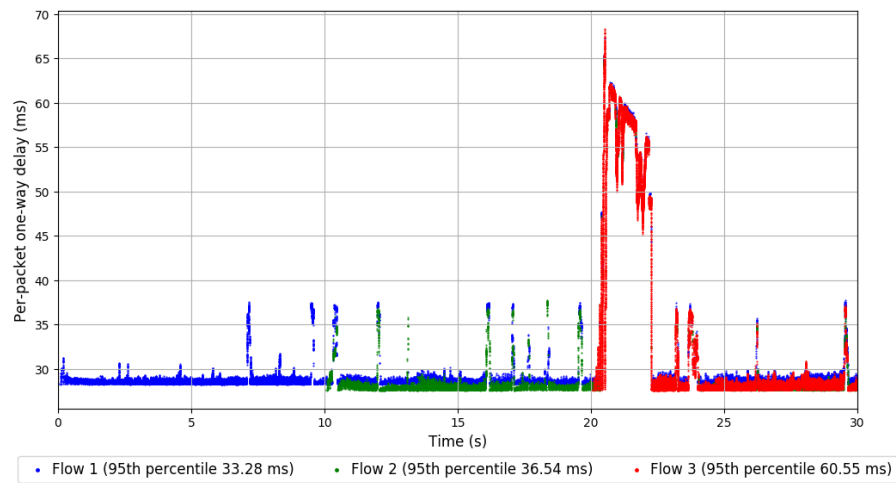
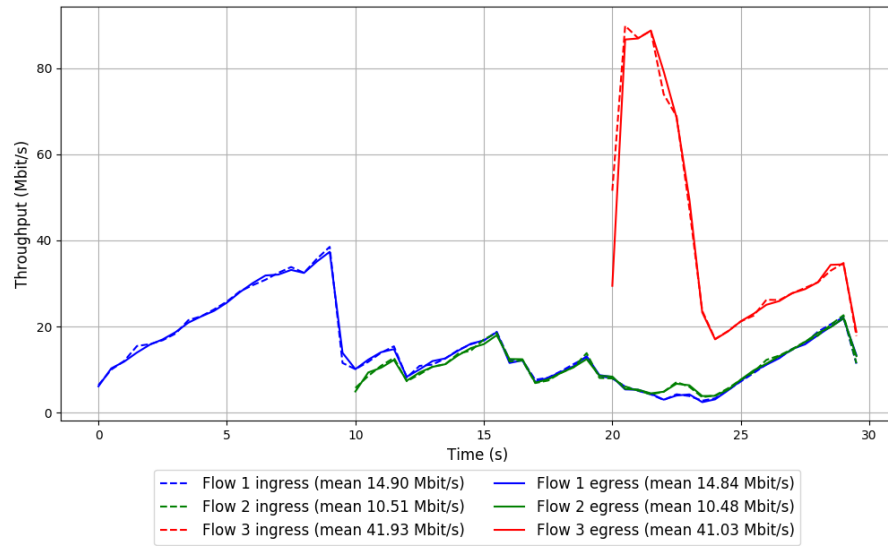


Run 2: Statistics of TCP Vegas

Start at: 2018-02-01 02:08:29
End at: 2018-02-01 02:08:59
Local clock offset: 1.328 ms
Remote clock offset: -4.135 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 58.664 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 33.283 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 36.542 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 60.548 ms
Loss rate: 2.14%

Run 2: Report of TCP Vegas — Data Link

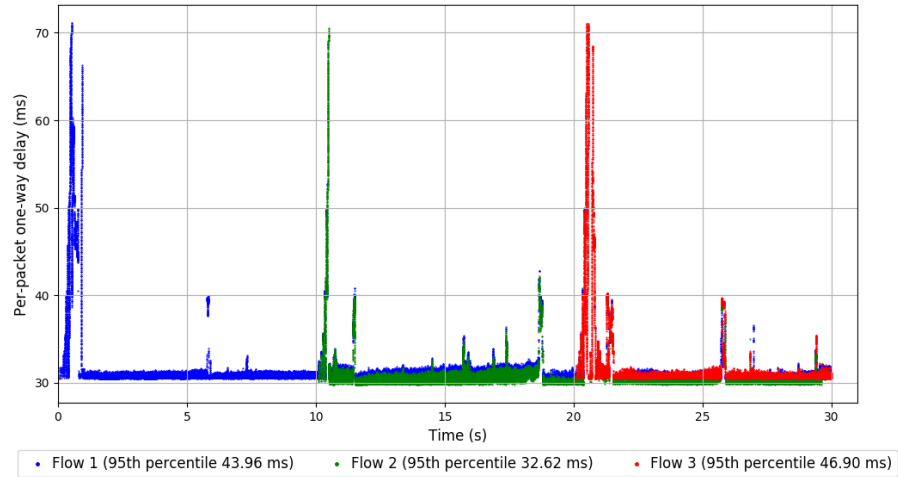
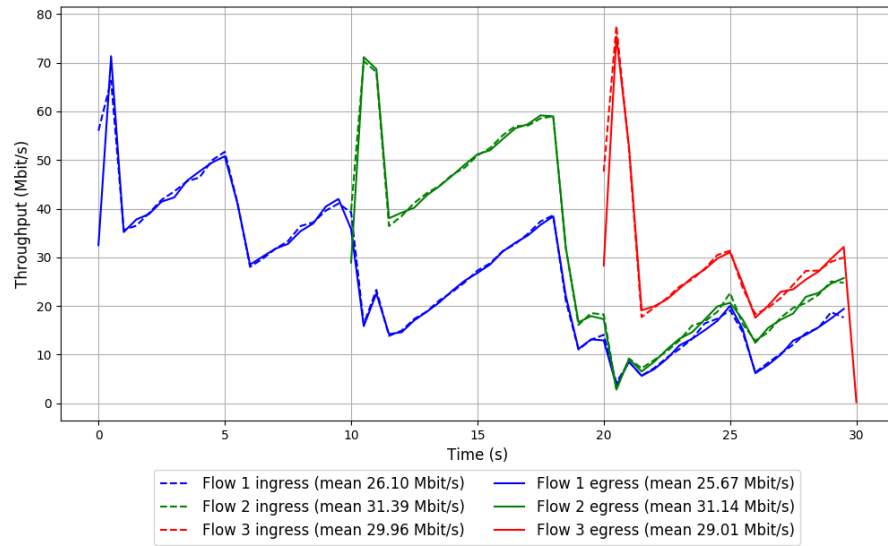


Run 3: Statistics of TCP Vegas

Start at: 2018-02-01 02:34:35
End at: 2018-02-01 02:35:05
Local clock offset: 1.236 ms
Remote clock offset: -2.242 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 39.428 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 25.67 Mbit/s
95th percentile per-packet one-way delay: 43.961 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 32.623 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 46.895 ms
Loss rate: 3.15%

Run 3: Report of TCP Vegas — Data Link

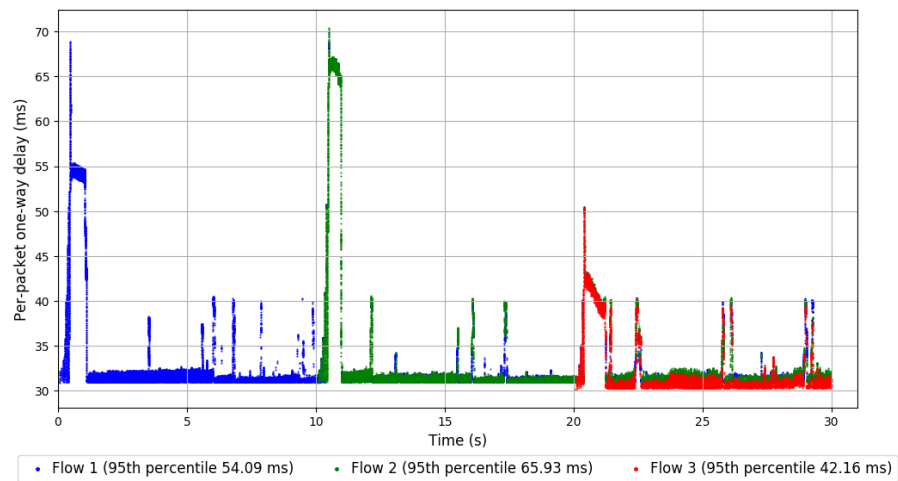
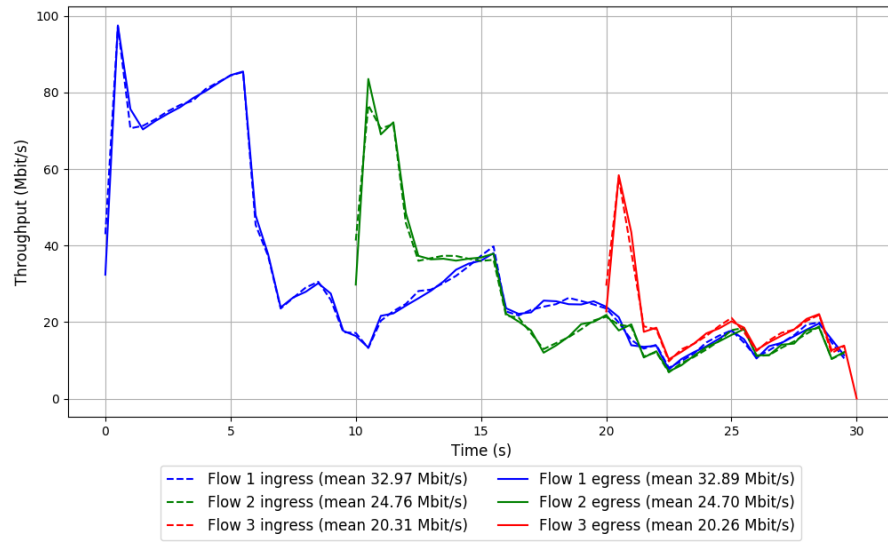


Run 4: Statistics of TCP Vegas

Start at: 2018-02-01 02:59:22
End at: 2018-02-01 02:59:52
Local clock offset: 1.07 ms
Remote clock offset: -1.966 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 54.093 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 65.934 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 42.160 ms
Loss rate: 0.23%

Run 4: Report of TCP Vegas — Data Link

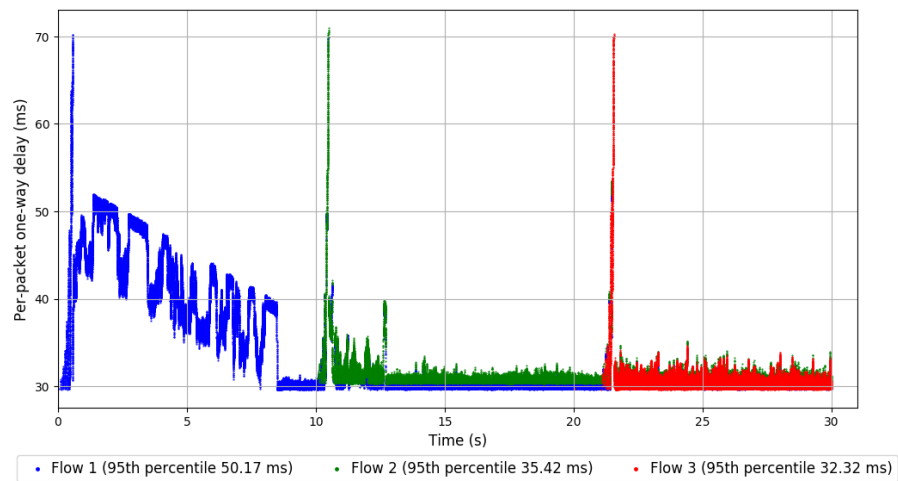
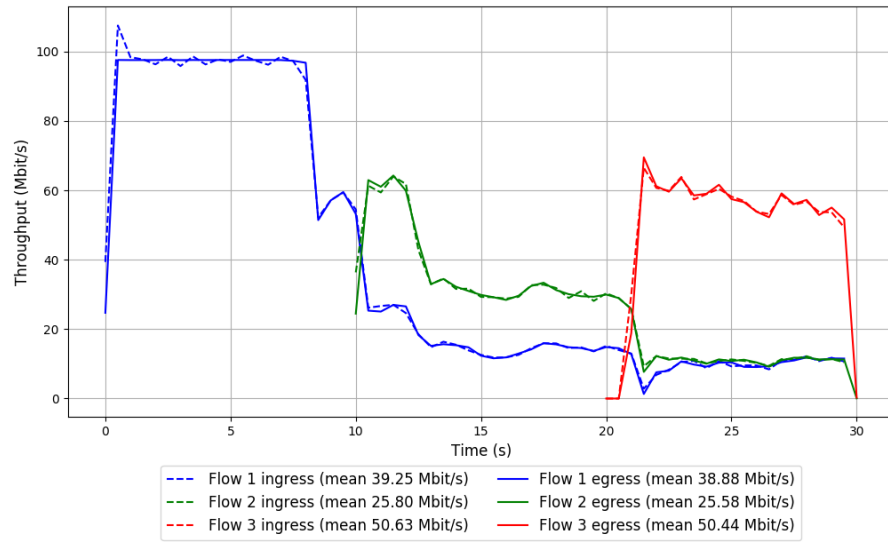


Run 5: Statistics of TCP Vegas

Start at: 2018-02-01 03:28:50
End at: 2018-02-01 03:29:20
Local clock offset: 1.073 ms
Remote clock offset: -3.568 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 49.007 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 50.172 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 35.423 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 32.322 ms
Loss rate: 0.36%

Run 5: Report of TCP Vegas — Data Link

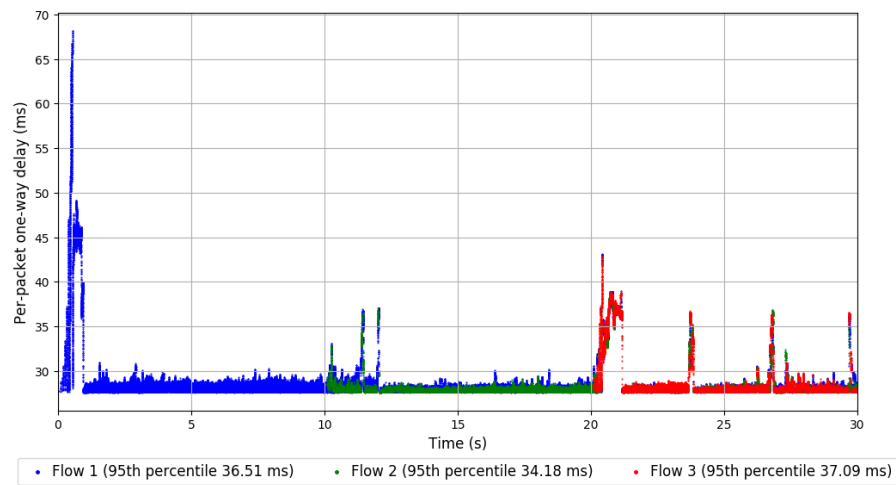
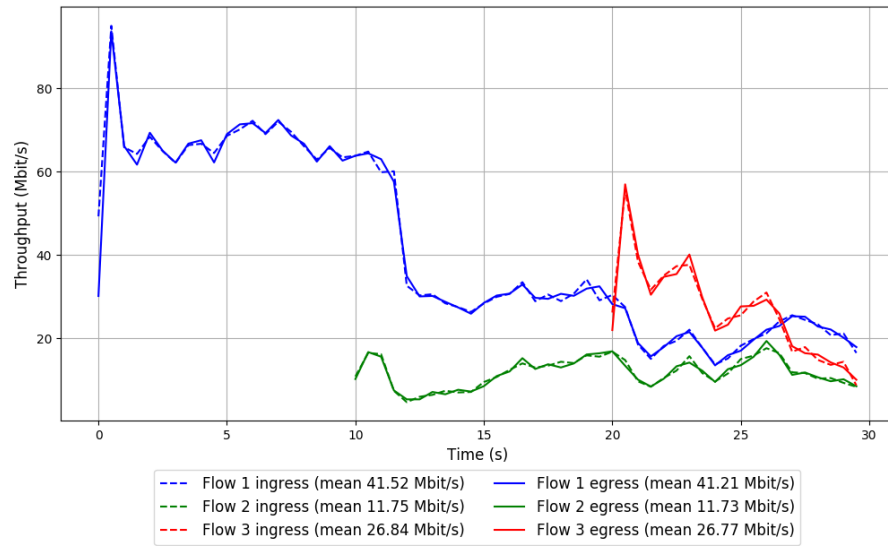


Run 6: Statistics of TCP Vegas

Start at: 2018-02-01 03:59:37
End at: 2018-02-01 04:00:07
Local clock offset: 0.959 ms
Remote clock offset: -6.383 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 36.573 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 36.512 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 34.181 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 37.092 ms
Loss rate: 0.25%

Run 6: Report of TCP Vegas — Data Link

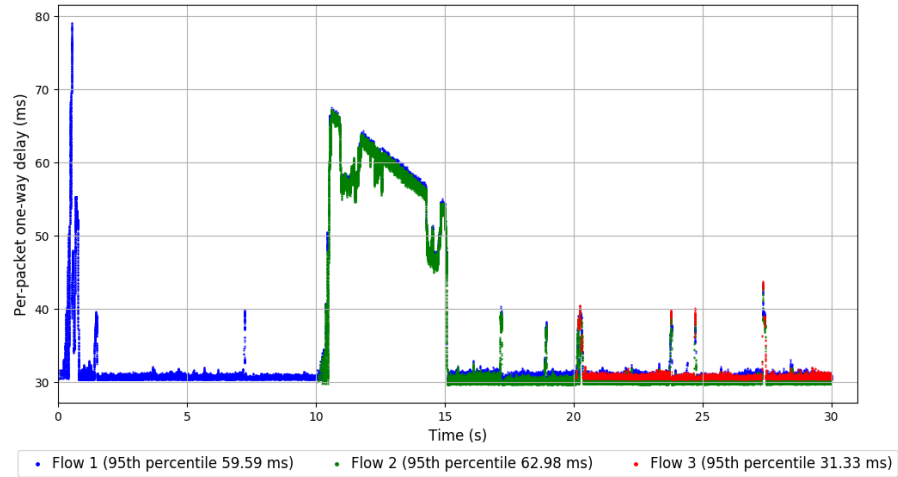
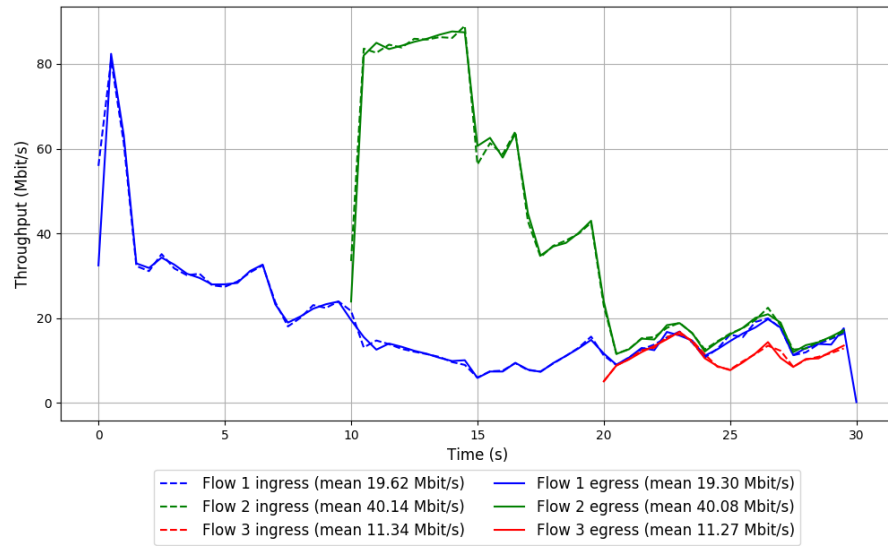


Run 7: Statistics of TCP Vegas

Start at: 2018-02-01 04:28:21
End at: 2018-02-01 04:28:51
Local clock offset: 0.956 ms
Remote clock offset: -4.562 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 62.272 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 59.593 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 62.980 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 31.333 ms
Loss rate: 0.69%

Run 7: Report of TCP Vegas — Data Link

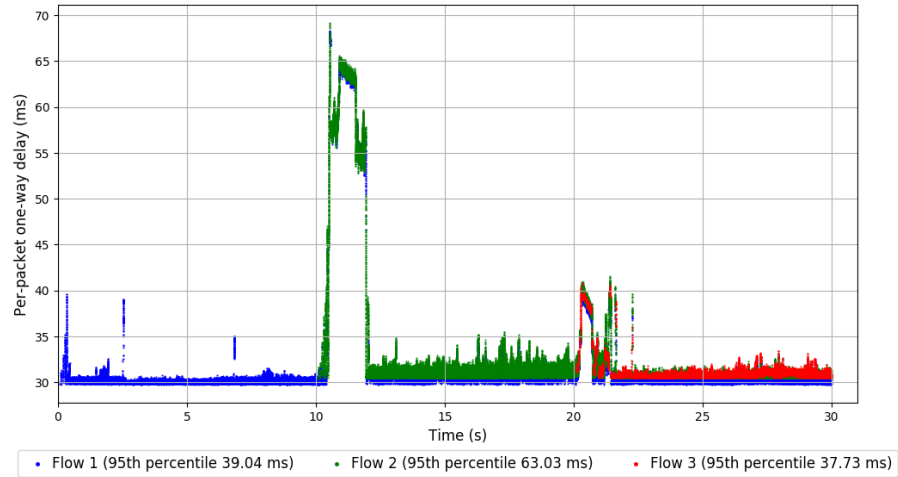
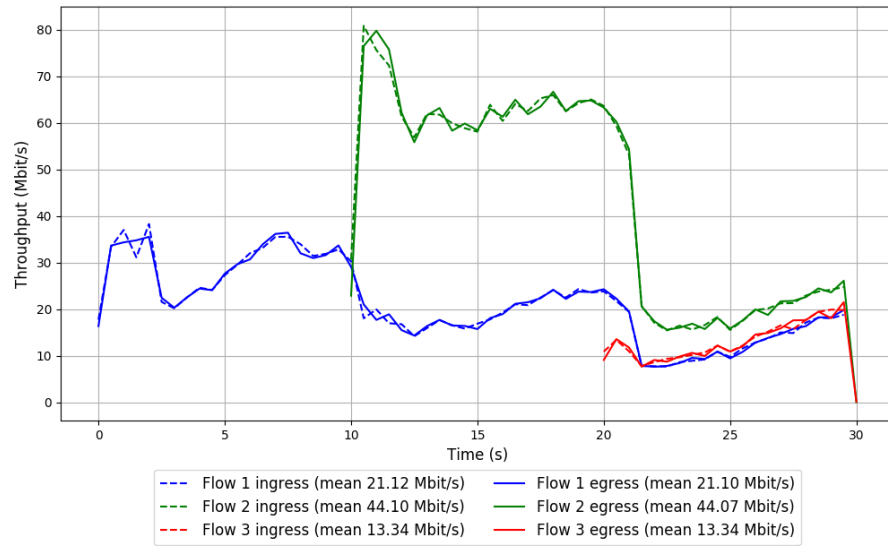


Run 8: Statistics of TCP Vegas

Start at: 2018-02-01 04:56:26
End at: 2018-02-01 04:56:56
Local clock offset: 0.871 ms
Remote clock offset: -4.451 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 58.236 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 39.036 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 63.027 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 37.731 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

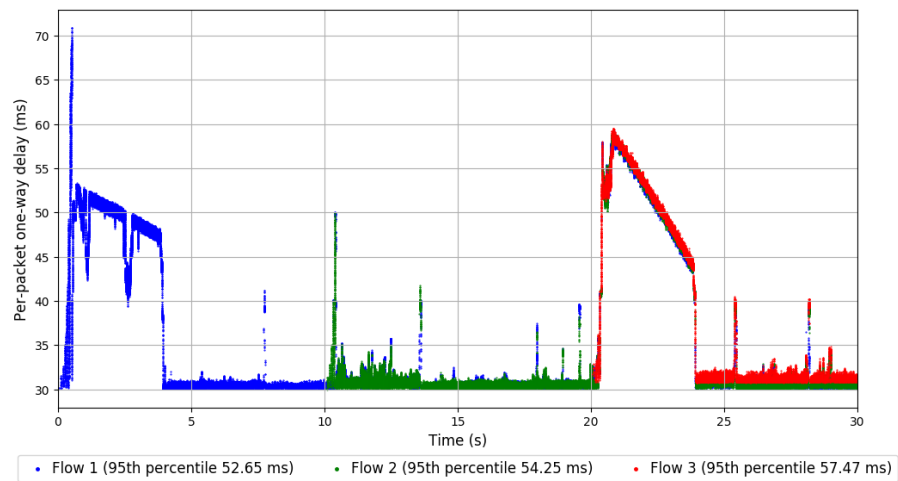
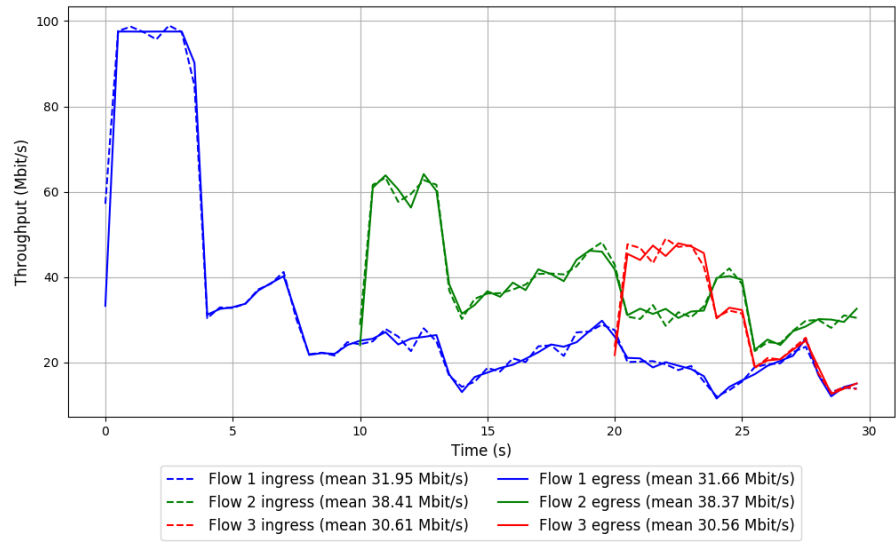


Run 9: Statistics of TCP Vegas

Start at: 2018-02-01 05:24:05
End at: 2018-02-01 05:24:35
Local clock offset: 0.883 ms
Remote clock offset: -3.311 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 54.868 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 52.652 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 54.250 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 57.469 ms
Loss rate: 0.15%

Run 9: Report of TCP Vegas — Data Link

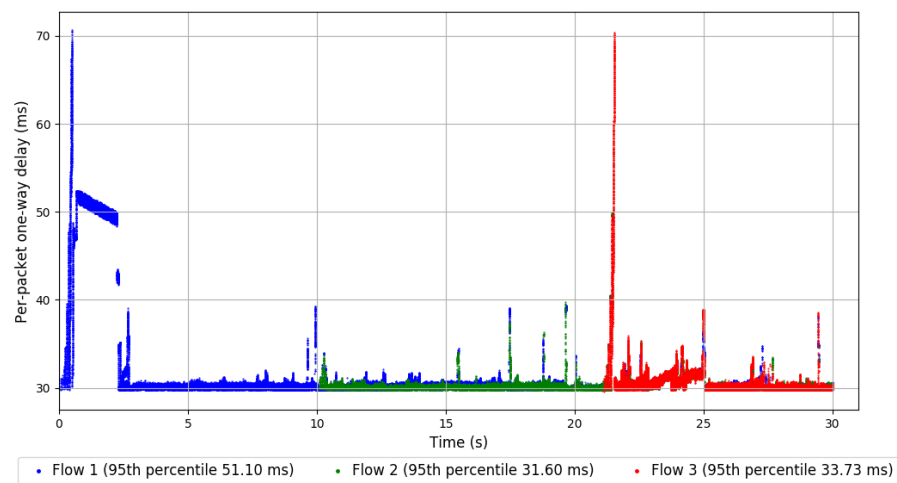
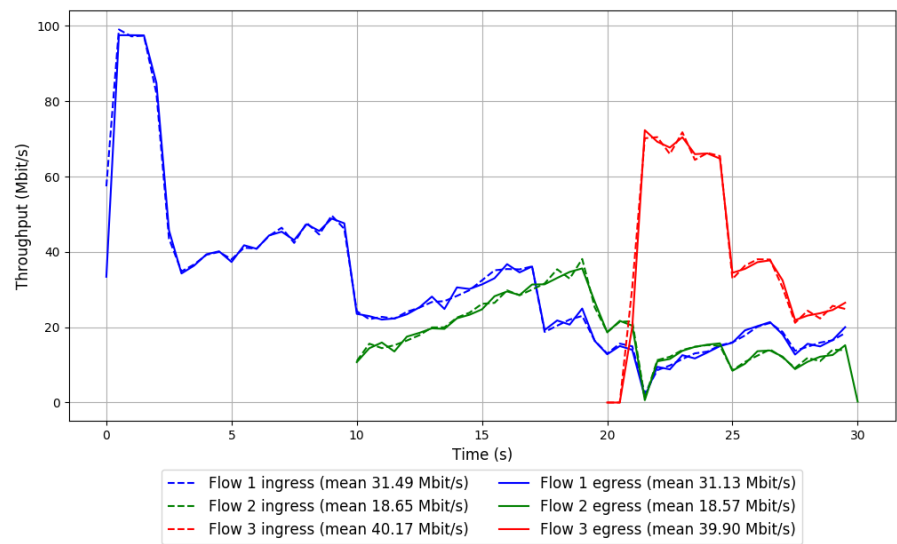


Run 10: Statistics of TCP Vegas

Start at: 2018-02-01 05:52:31
End at: 2018-02-01 05:53:01
Local clock offset: 0.785 ms
Remote clock offset: -2.467 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 50.544 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 51.104 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 31.604 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 33.728 ms
Loss rate: 0.67%

Run 10: Report of TCP Vegas — Data Link

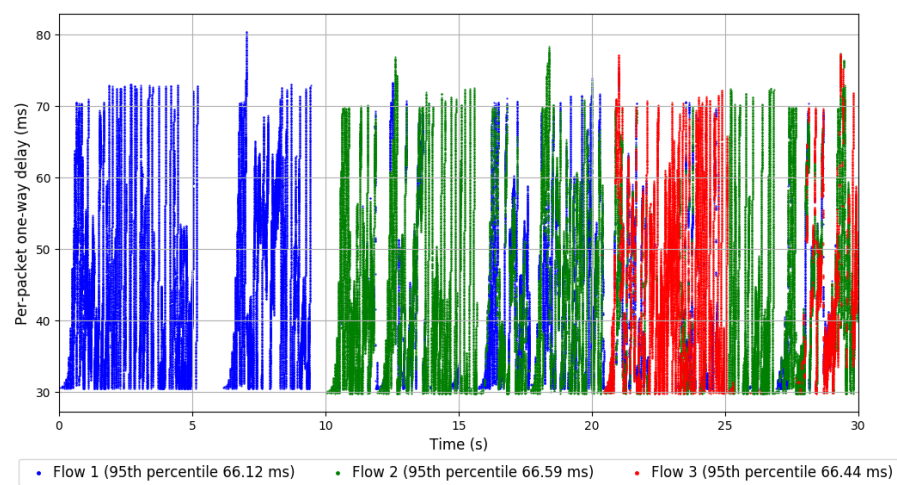
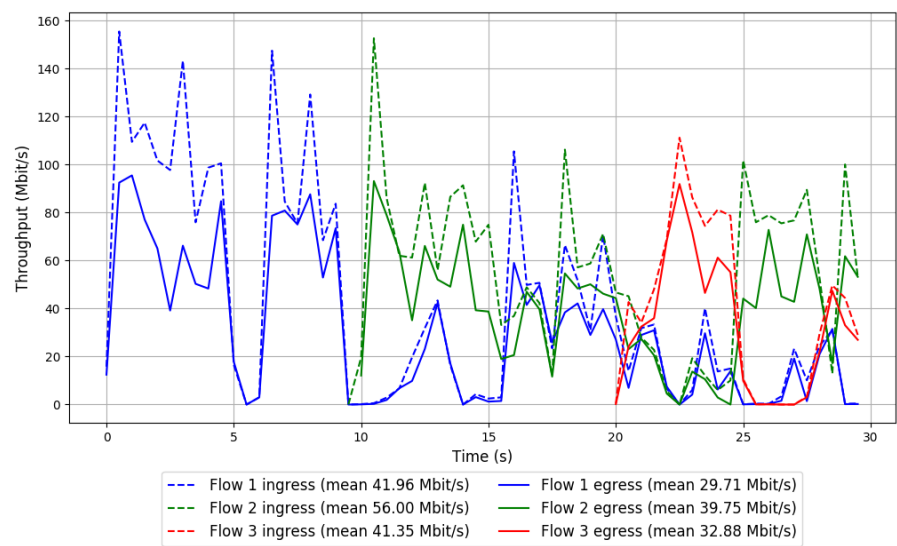


Run 1: Statistics of Verus

Start at: 2018-02-01 01:52:24
End at: 2018-02-01 01:52:54
Local clock offset: 1.41 ms
Remote clock offset: -1.513 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.47 Mbit/s
95th percentile per-packet one-way delay: 66.362 ms
Loss rate: 27.92%
-- Flow 1:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 66.122 ms
Loss rate: 29.32%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 66.588 ms
Loss rate: 28.98%
-- Flow 3:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 66.443 ms
Loss rate: 20.54%

Run 1: Report of Verus — Data Link

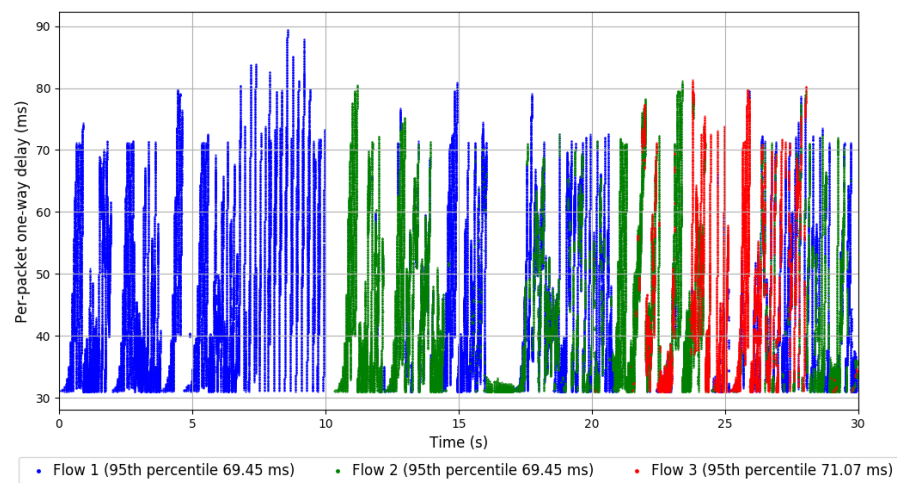
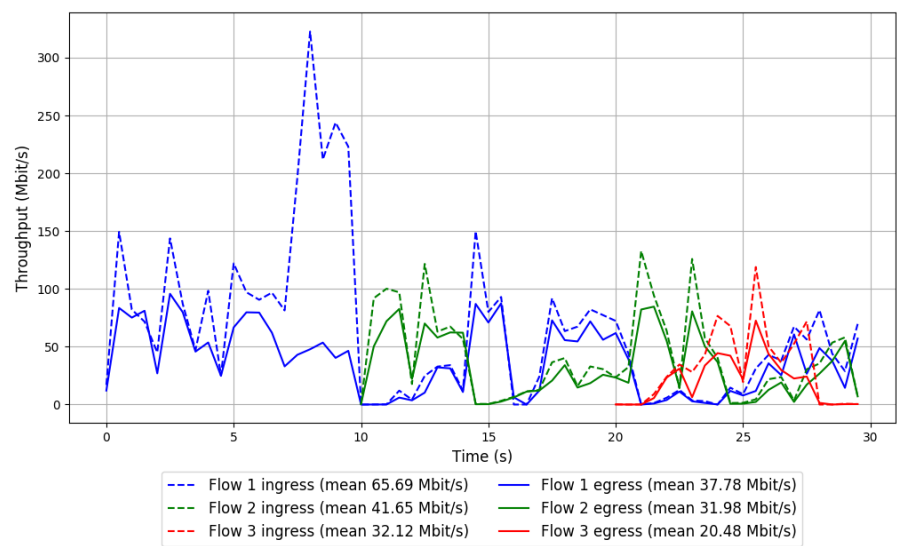


Run 2: Statistics of Verus

Start at: 2018-02-01 02:18:59
End at: 2018-02-01 02:19:29
Local clock offset: 1.213 ms
Remote clock offset: -1.578 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 69.615 ms
Loss rate: 36.77%
-- Flow 1:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 69.455 ms
Loss rate: 42.48%
-- Flow 2:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 69.446 ms
Loss rate: 23.20%
-- Flow 3:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 71.074 ms
Loss rate: 36.35%

Run 2: Report of Verus — Data Link

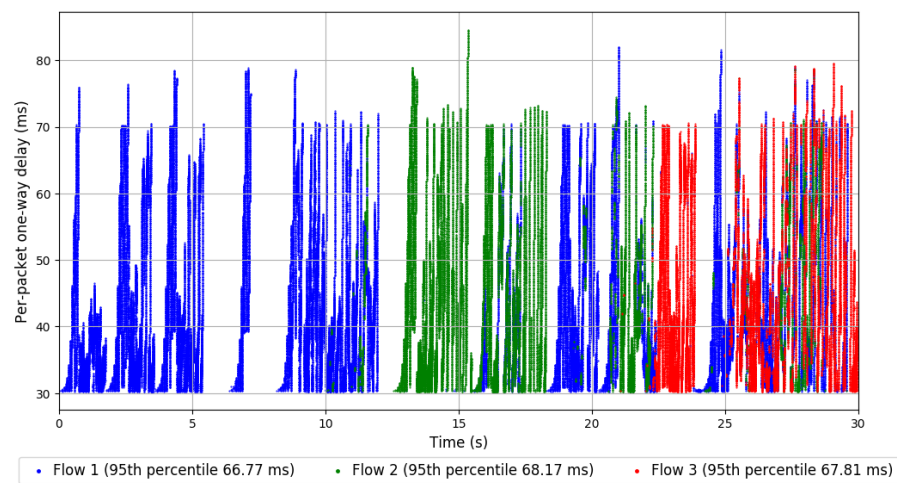
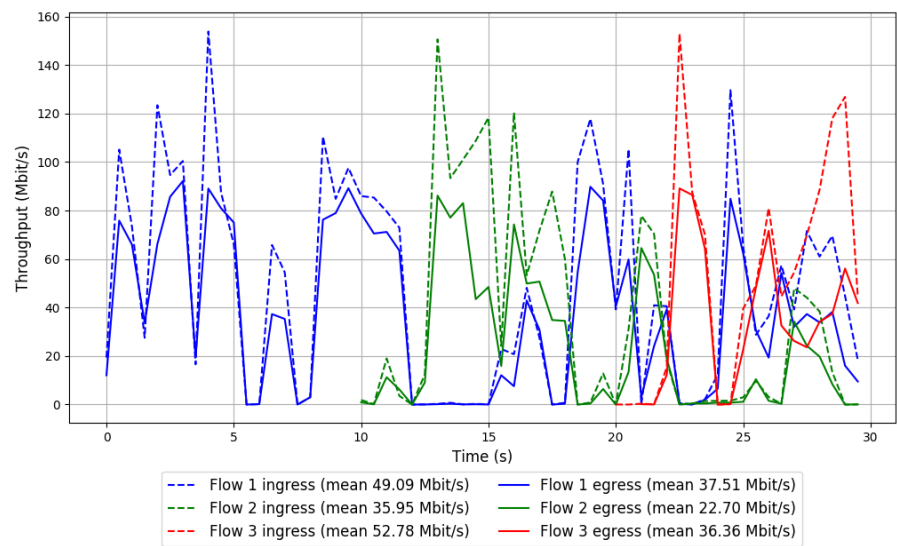


Run 3: Statistics of Verus

Start at: 2018-02-01 02:44:17
End at: 2018-02-01 02:44:47
Local clock offset: 1.218 ms
Remote clock offset: -1.771 ms

Below is generated by plot.py at 2018-02-01 07:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 67.378 ms
Loss rate: 29.87%
-- Flow 1:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 23.59%
-- Flow 2:
Average throughput: 22.70 Mbit/s
95th percentile per-packet one-way delay: 68.175 ms
Loss rate: 36.84%
-- Flow 3:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 67.808 ms
Loss rate: 37.99%

Run 3: Report of Verus — Data Link

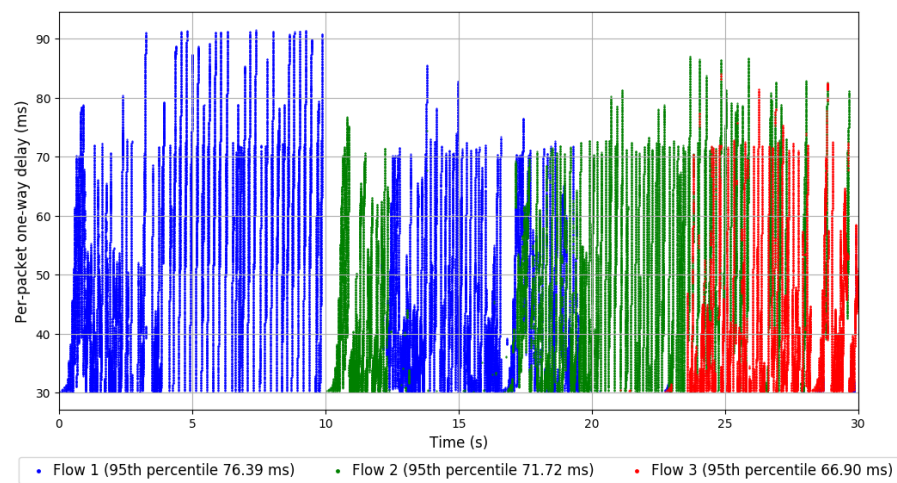
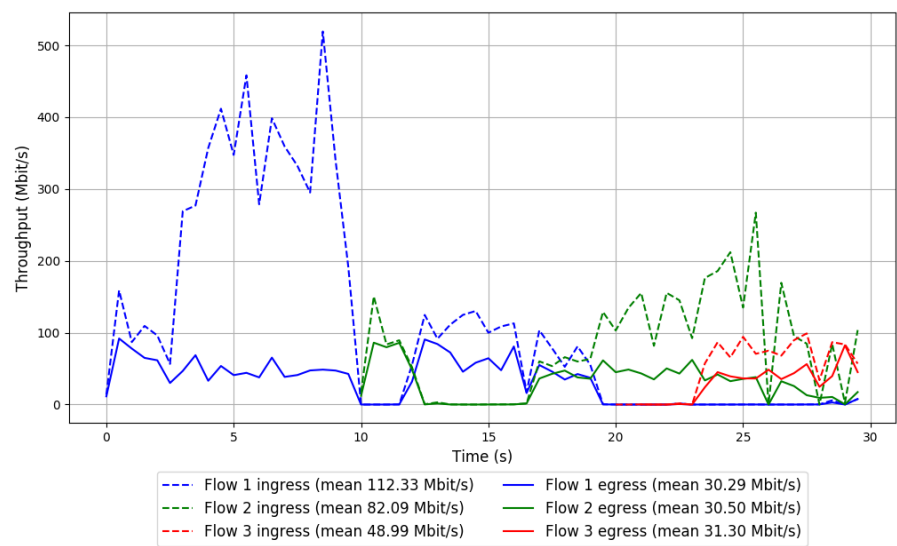


Run 4: Statistics of Verus

Start at: 2018-02-01 03:09:33
End at: 2018-02-01 03:10:03
Local clock offset: 1.155 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2018-02-01 07:03:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 73.003 ms
Loss rate: 67.29%
-- Flow 1:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 76.393 ms
Loss rate: 73.02%
-- Flow 2:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 71.720 ms
Loss rate: 62.79%
-- Flow 3:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 66.903 ms
Loss rate: 42.47%

Run 4: Report of Verus — Data Link

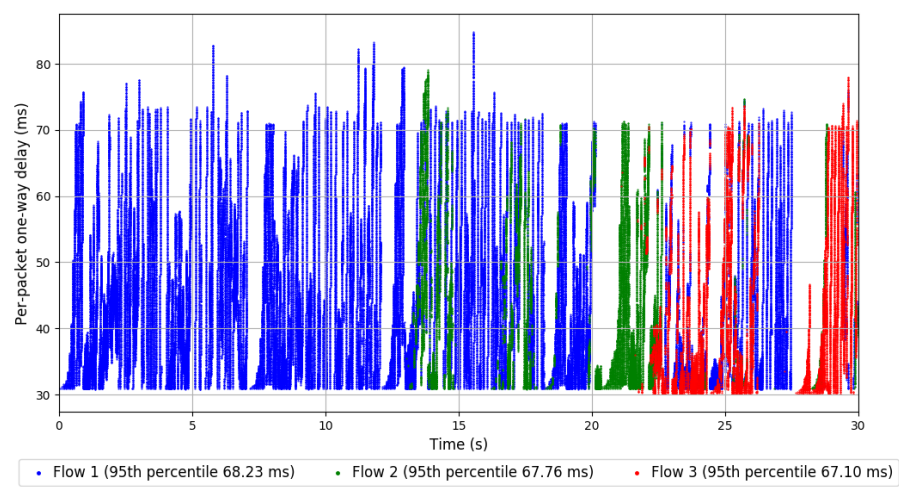
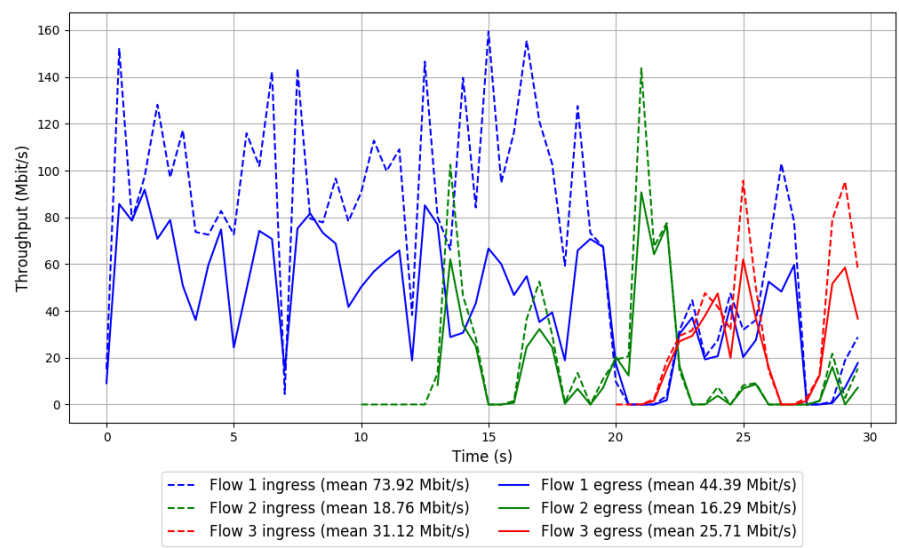


Run 5: Statistics of Verus

Start at: 2018-02-01 03:41:05
End at: 2018-02-01 03:41:35
Local clock offset: 1.028 ms
Remote clock offset: -3.229 ms

Below is generated by plot.py at 2018-02-01 07:03:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.18 Mbit/s
95th percentile per-packet one-way delay: 68.001 ms
Loss rate: 36.65%
-- Flow 1:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 68.233 ms
Loss rate: 39.92%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 67.761 ms
Loss rate: 26.21%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 67.100 ms
Loss rate: 25.76%

Run 5: Report of Verus — Data Link

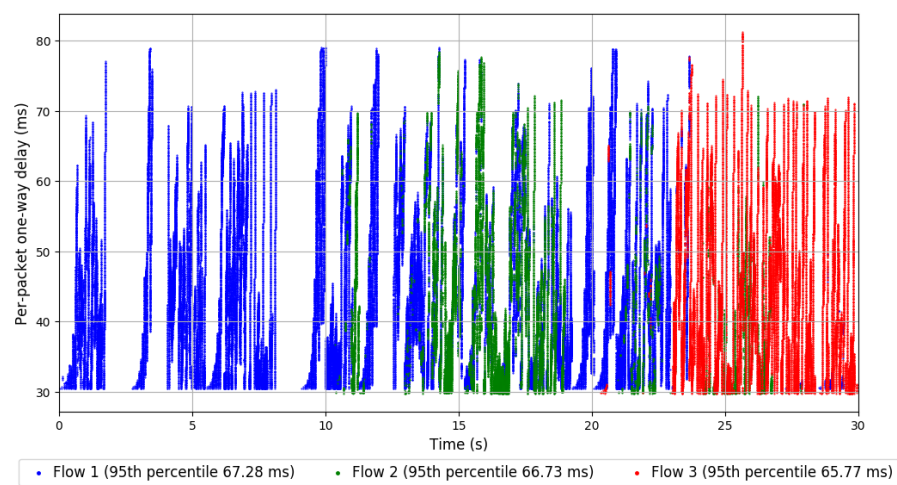
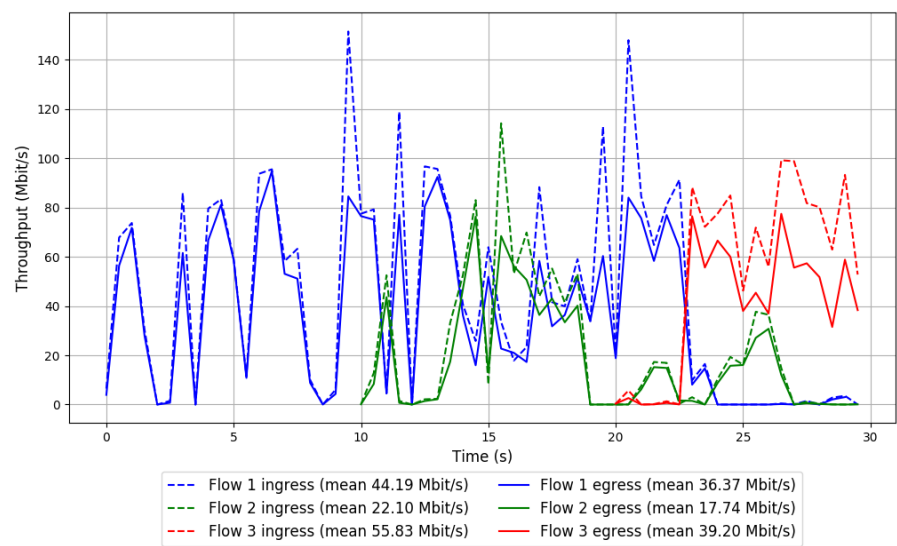


Run 6: Statistics of Verus

Start at: 2018-02-01 04:11:59
End at: 2018-02-01 04:12:29
Local clock offset: 0.97 ms
Remote clock offset: -4.292 ms

Below is generated by plot.py at 2018-02-01 07:03:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 66.888 ms
Loss rate: 21.56%
-- Flow 1:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 67.279 ms
Loss rate: 18.72%
-- Flow 2:
Average throughput: 17.74 Mbit/s
95th percentile per-packet one-way delay: 66.727 ms
Loss rate: 19.98%
-- Flow 3:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 65.765 ms
Loss rate: 29.78%

Run 6: Report of Verus — Data Link

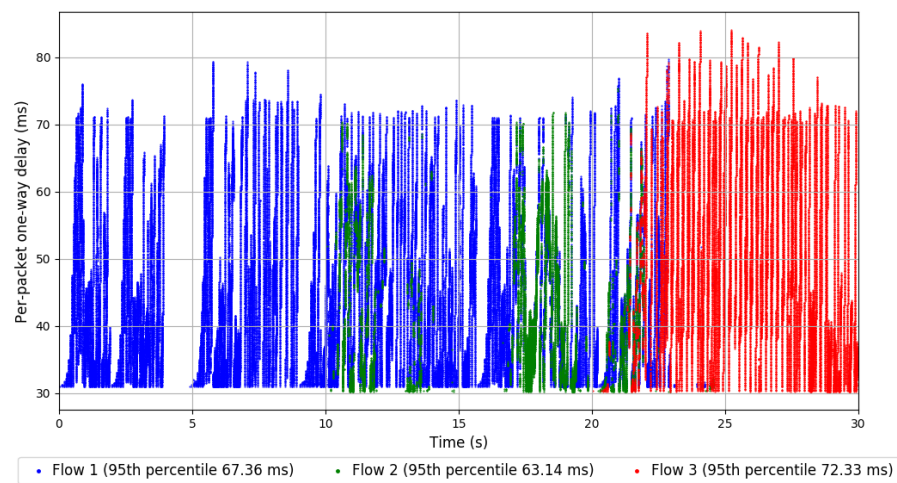
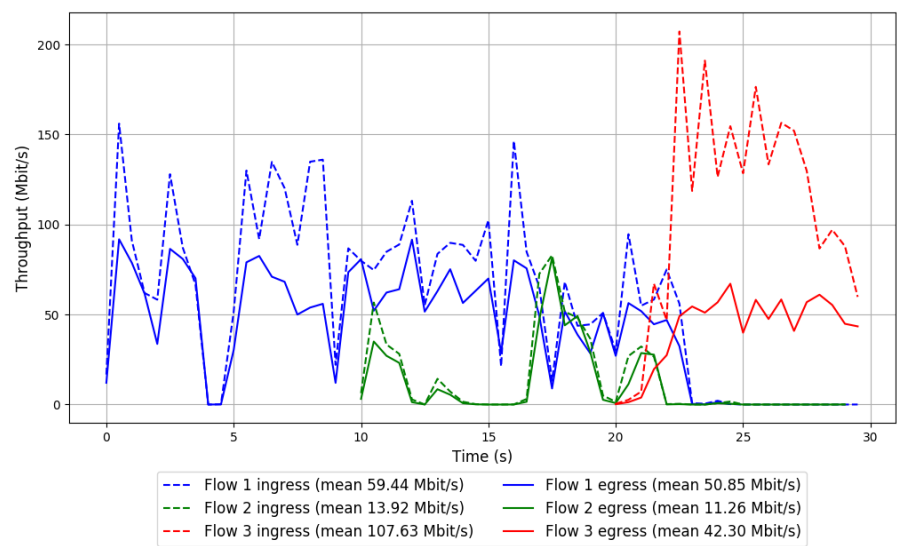


Run 7: Statistics of Verus

Start at: 2018-02-01 04:39:17
End at: 2018-02-01 04:39:47
Local clock offset: 0.958 ms
Remote clock offset: -4.058 ms

Below is generated by plot.py at 2018-02-01 07:03:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 68.575 ms
Loss rate: 39.17%
-- Flow 1:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 67.364 ms
Loss rate: 28.98%
-- Flow 2:
Average throughput: 11.26 Mbit/s
95th percentile per-packet one-way delay: 63.140 ms
Loss rate: 20.58%
-- Flow 3:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 72.333 ms
Loss rate: 60.70%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-01 05:07:05

End at: 2018-02-01 05:07:35

Local clock offset: 0.917 ms

Remote clock offset: -4.34 ms

Below is generated by plot.py at 2018-02-01 07:04:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 75.740 ms

Loss rate: 74.43%

-- Flow 1:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 78.368 ms

Loss rate: 79.06%

-- Flow 2:

Average throughput: 21.52 Mbit/s

95th percentile per-packet one-way delay: 67.894 ms

Loss rate: 52.42%

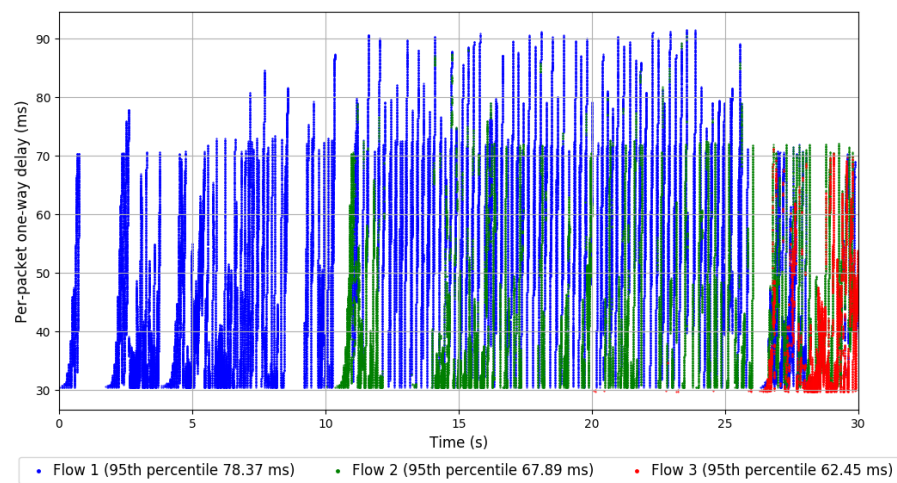
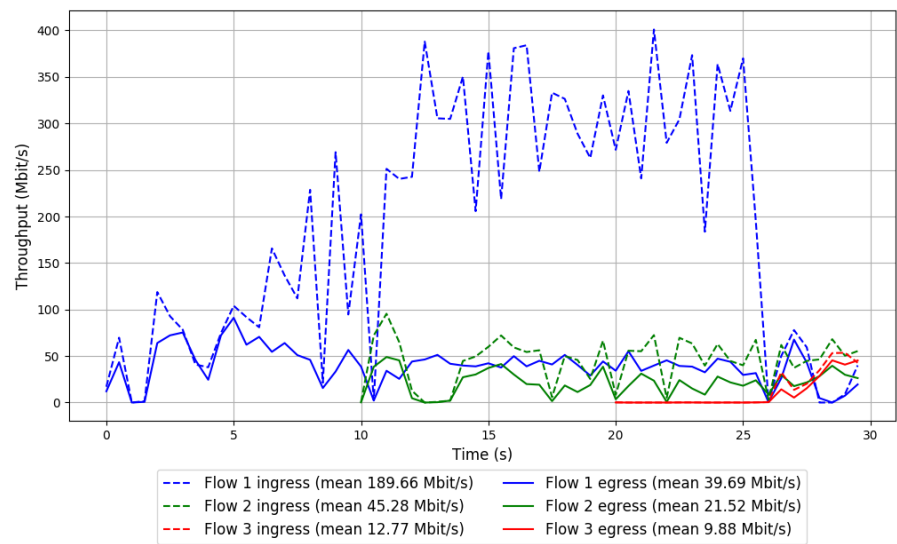
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 62.448 ms

Loss rate: 22.40%

Run 8: Report of Verus — Data Link

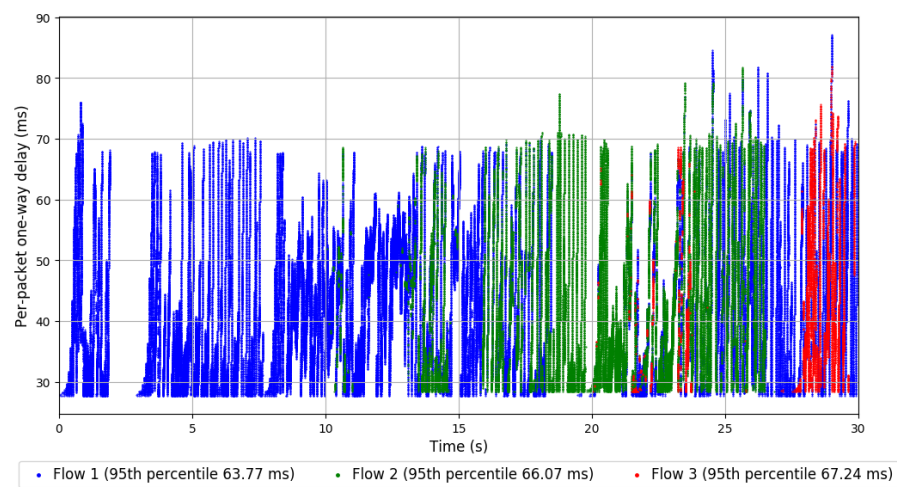
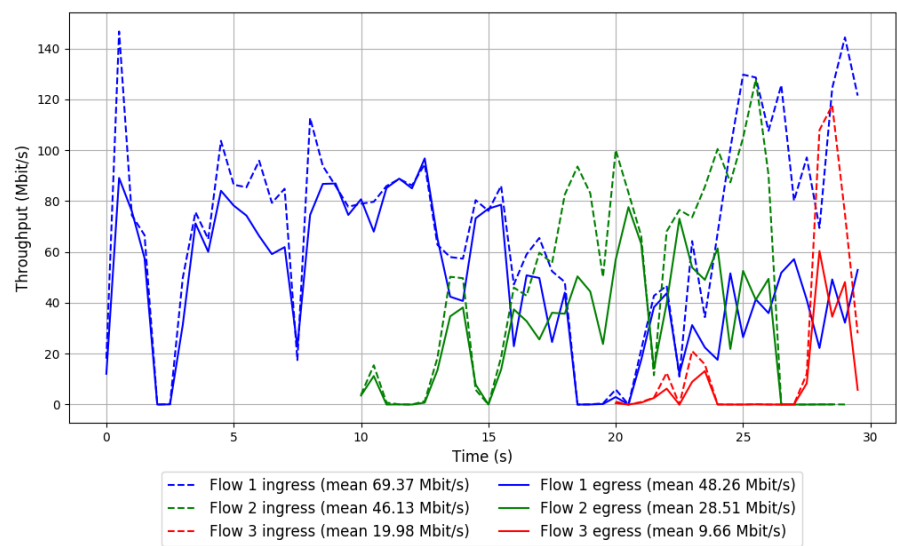


Run 9: Statistics of Verus

Start at: 2018-02-01 05:35:09
End at: 2018-02-01 05:35:39
Local clock offset: 0.885 ms
Remote clock offset: -5.253 ms

Below is generated by plot.py at 2018-02-01 07:04:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 64.714 ms
Loss rate: 34.24%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 63.775 ms
Loss rate: 30.39%
-- Flow 2:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 66.073 ms
Loss rate: 39.33%
-- Flow 3:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 67.237 ms
Loss rate: 52.03%

Run 9: Report of Verus — Data Link

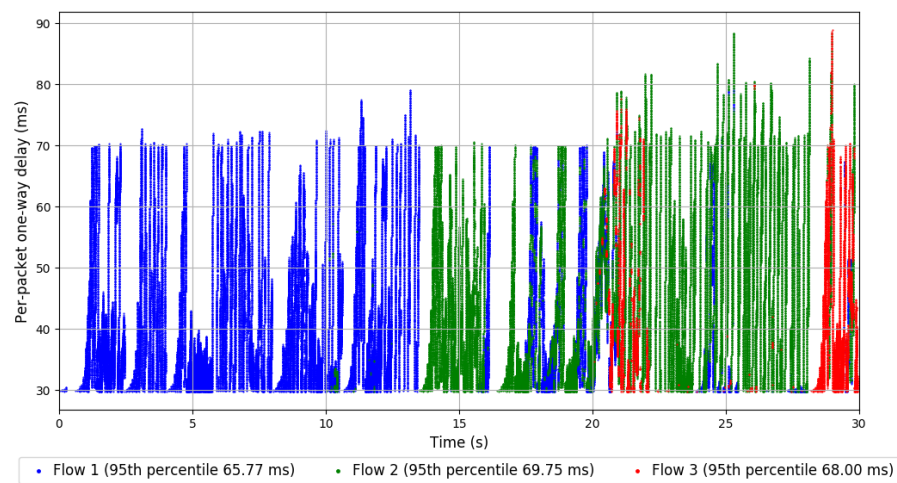
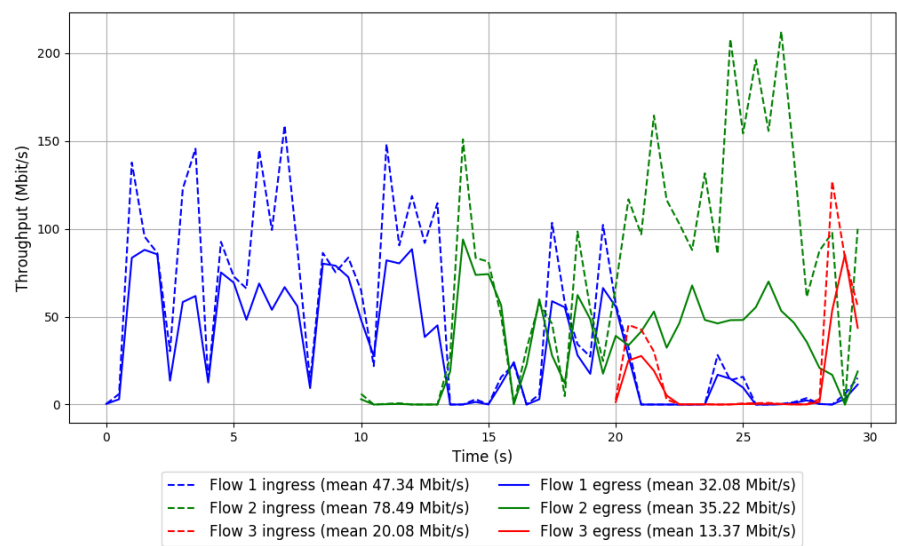


Run 10: Statistics of Verus

Start at: 2018-02-01 06:03:24
End at: 2018-02-01 06:03:54
Local clock offset: 0.773 ms
Remote clock offset: -1.924 ms

Below is generated by plot.py at 2018-02-01 07:04:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 67.670 ms
Loss rate: 43.58%
-- Flow 1:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 65.766 ms
Loss rate: 32.37%
-- Flow 2:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 69.751 ms
Loss rate: 55.06%
-- Flow 3:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 68.000 ms
Loss rate: 33.40%

Run 10: Report of Verus — Data Link

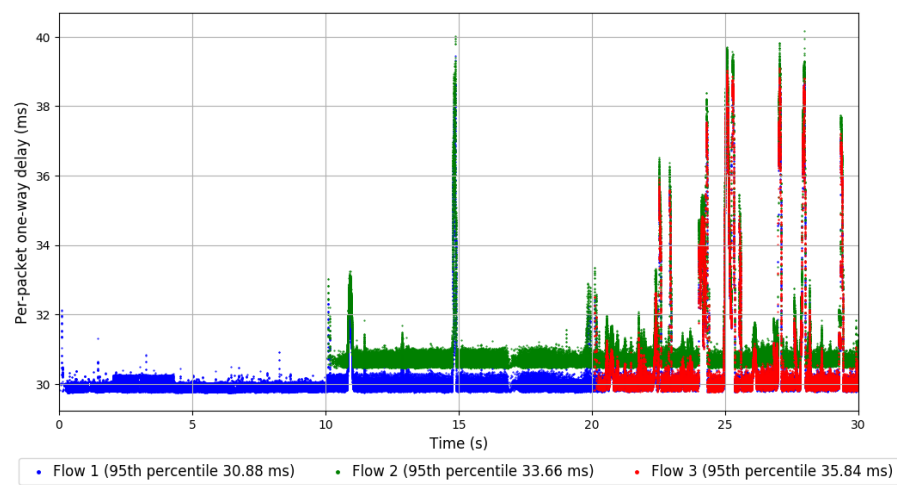
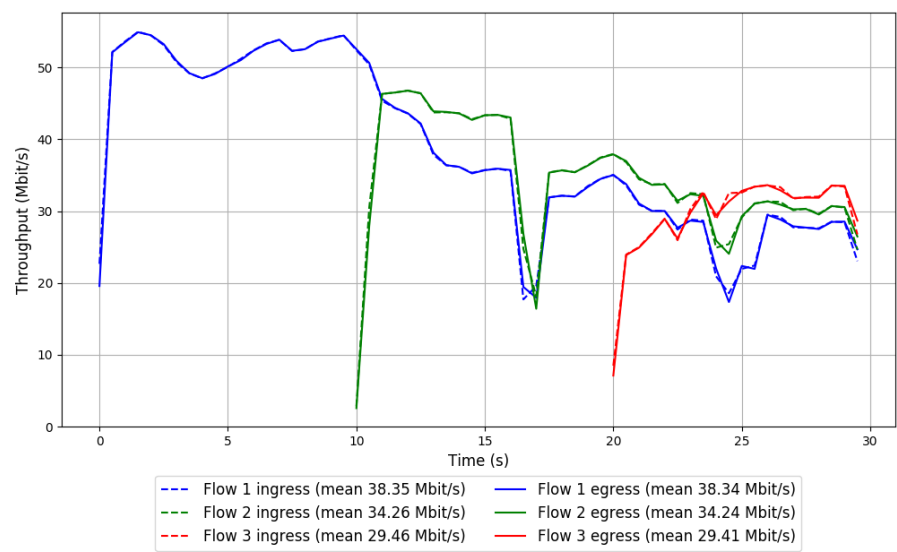


Run 1: Statistics of Copa

Start at: 2018-02-01 01:49:36
End at: 2018-02-01 01:50:06
Local clock offset: 1.42 ms
Remote clock offset: -1.508 ms

Below is generated by plot.py at 2018-02-01 07:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.89 Mbit/s
95th percentile per-packet one-way delay: 32.771 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 30.878 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 33.655 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 35.840 ms
Loss rate: 0.20%

Run 1: Report of Copa — Data Link

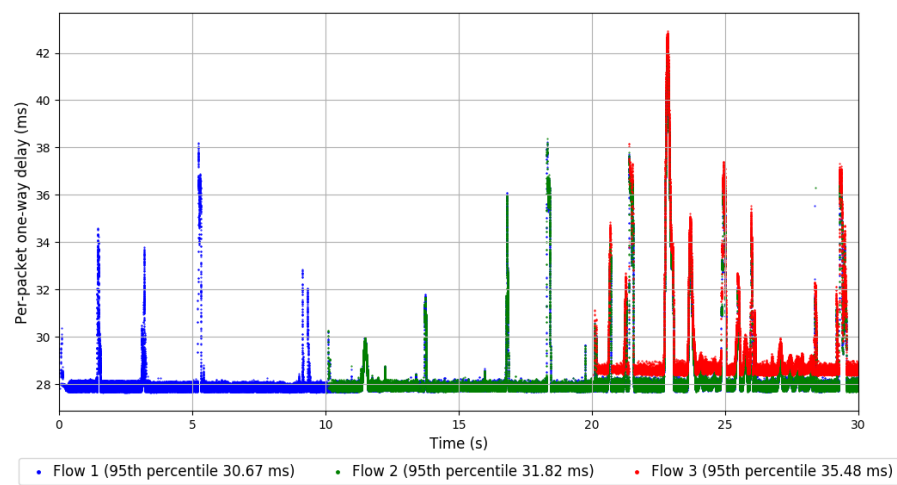
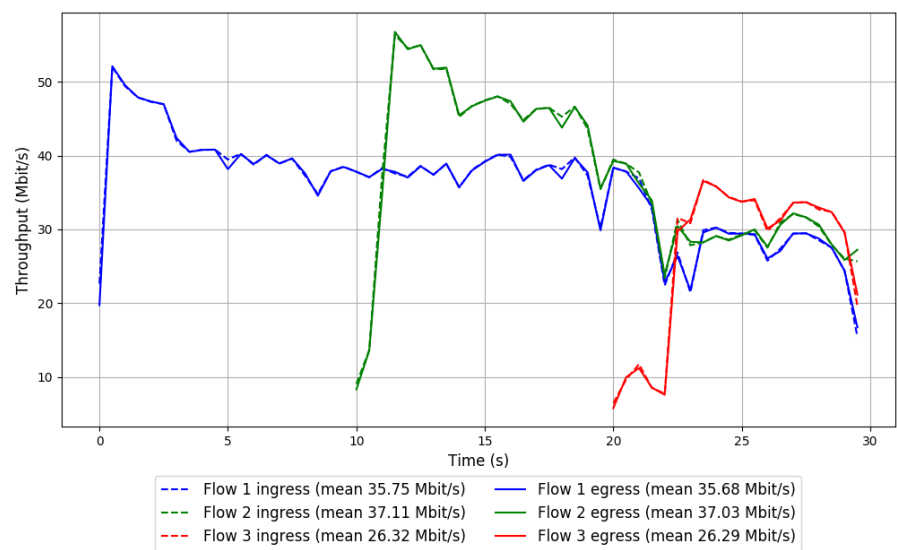


Run 2: Statistics of Copa

Start at: 2018-02-01 02:15:57
End at: 2018-02-01 02:16:27
Local clock offset: 1.305 ms
Remote clock offset: -4.179 ms

Below is generated by plot.py at 2018-02-01 07:04:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.06 Mbit/s
95th percentile per-packet one-way delay: 32.160 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 30.674 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 31.815 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.13%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-01 02:41:33

End at: 2018-02-01 02:42:03

Local clock offset: 1.125 ms

Remote clock offset: -4.41 ms

Below is generated by plot.py at 2018-02-01 07:05:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.04 Mbit/s

95th percentile per-packet one-way delay: 32.305 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 31.554 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 33.356 ms

Loss rate: 0.29%

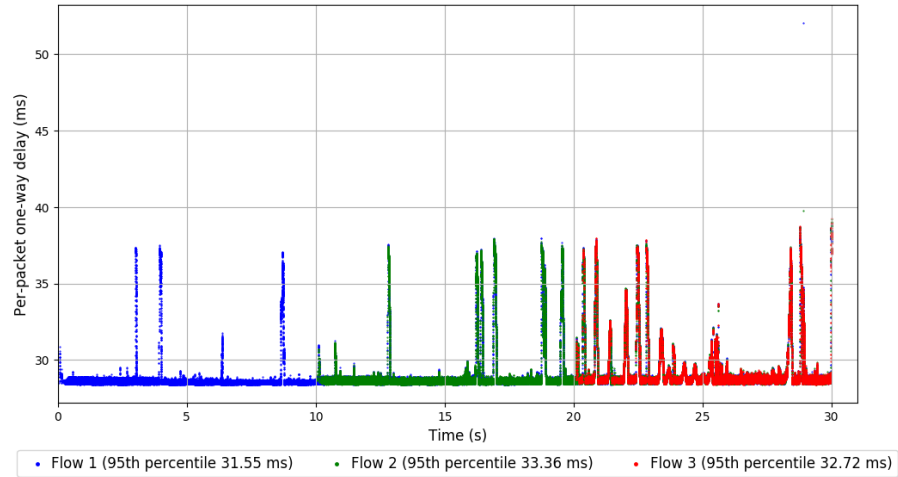
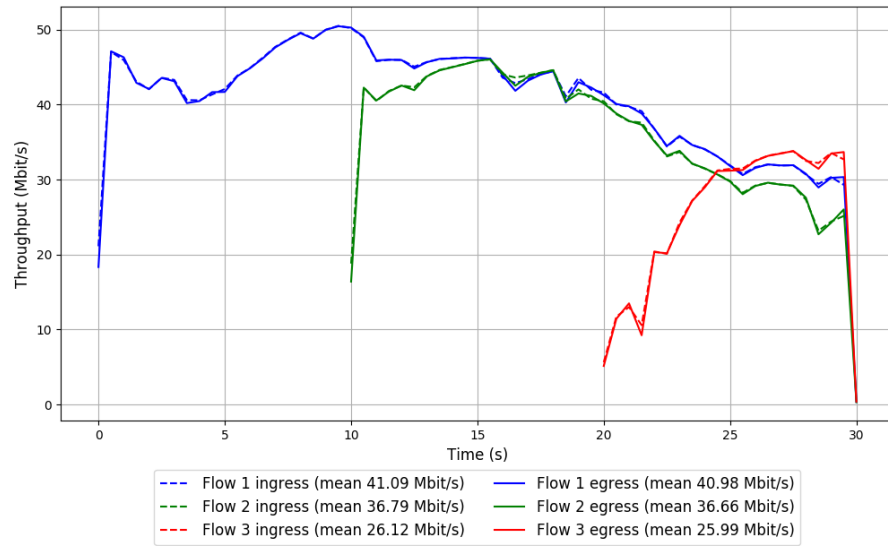
-- Flow 3:

Average throughput: 25.99 Mbit/s

95th percentile per-packet one-way delay: 32.723 ms

Loss rate: 0.41%

Run 3: Report of Copa — Data Link

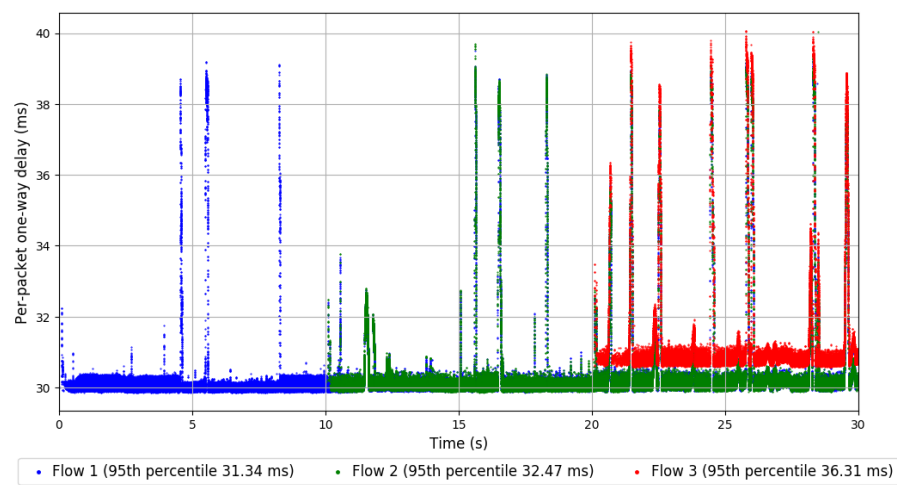
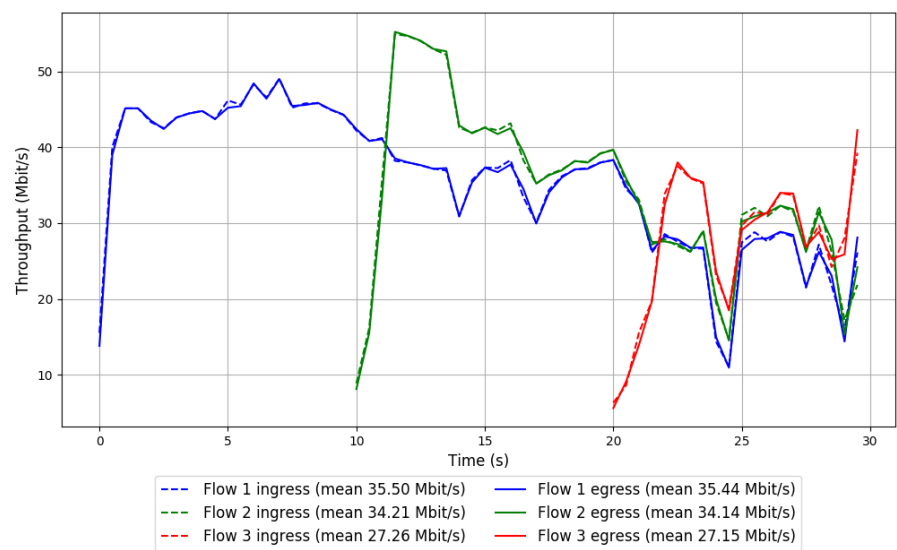


Run 4: Statistics of Copa

Start at: 2018-02-01 03:06:40
End at: 2018-02-01 03:07:10
Local clock offset: 1.153 ms
Remote clock offset: -2.529 ms

Below is generated by plot.py at 2018-02-01 07:05:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.19 Mbit/s
95th percentile per-packet one-way delay: 32.470 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 31.337 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 36.313 ms
Loss rate: 0.39%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-01 03:37:57

End at: 2018-02-01 03:38:27

Local clock offset: 1.038 ms

Remote clock offset: -3.67 ms

Below is generated by plot.py at 2018-02-01 07:05:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.36 Mbit/s

95th percentile per-packet one-way delay: 34.374 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 22.65 Mbit/s

95th percentile per-packet one-way delay: 33.024 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 35.180 ms

Loss rate: 0.24%

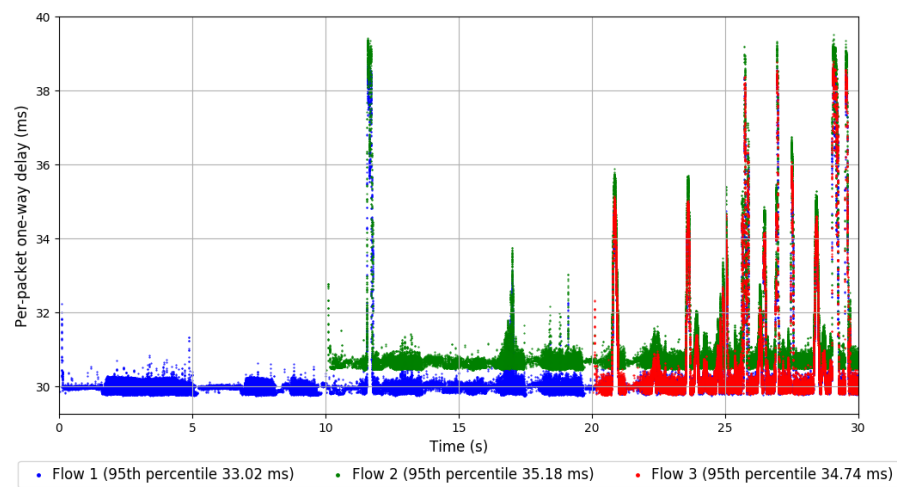
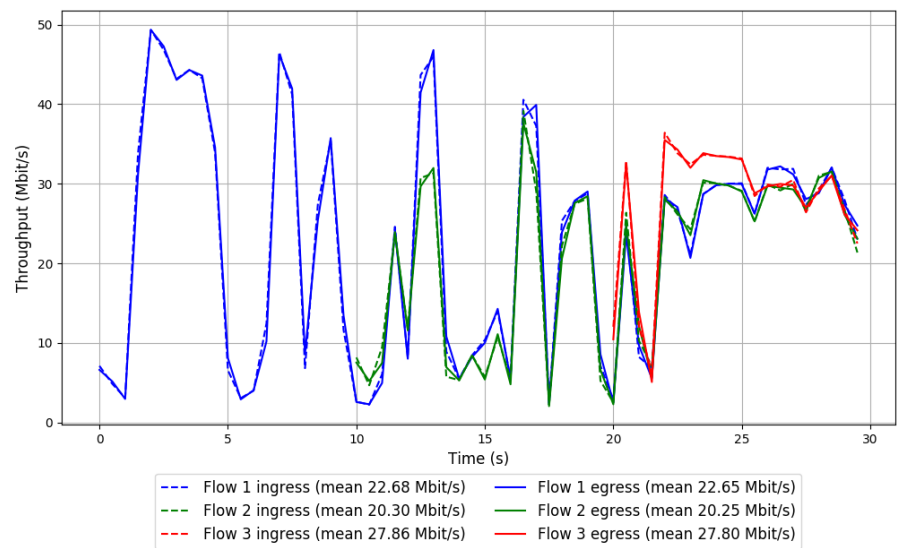
-- Flow 3:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 34.742 ms

Loss rate: 0.21%

Run 5: Report of Copa — Data Link

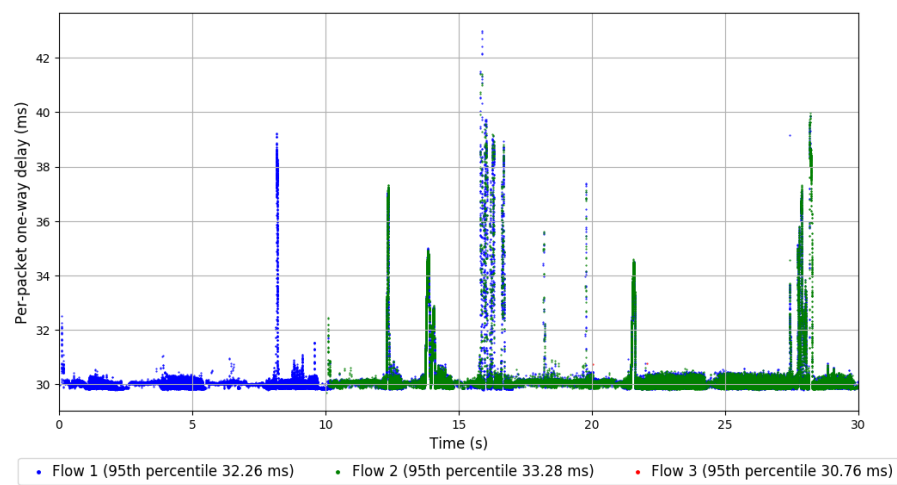
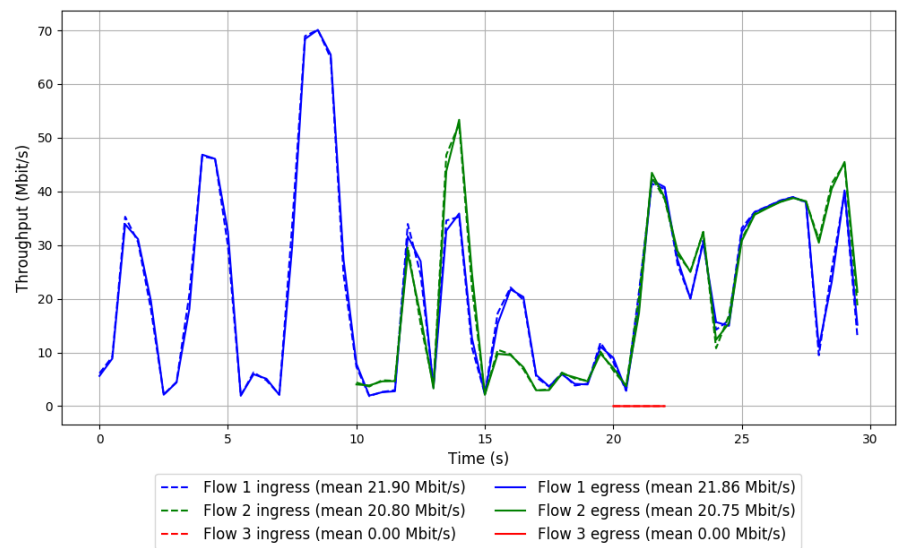


Run 6: Statistics of Copa

Start at: 2018-02-01 04:08:50
End at: 2018-02-01 04:09:20
Local clock offset: 0.936 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2018-02-01 07:05:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 32.636 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 32.255 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 33.284 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.758 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

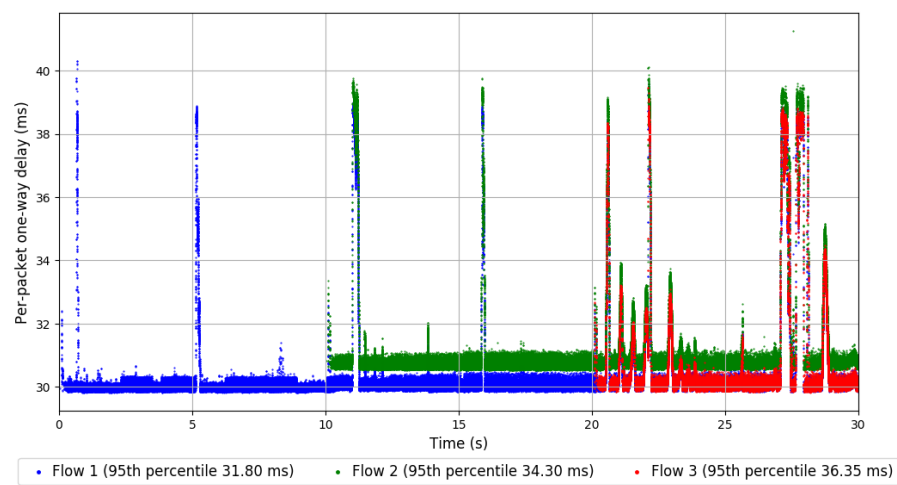
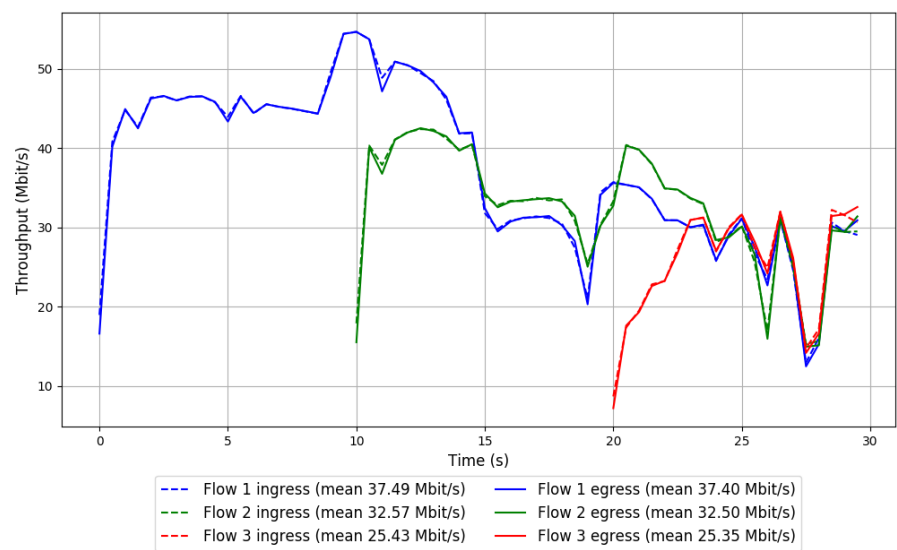


Run 7: Statistics of Copa

Start at: 2018-02-01 04:36:11
End at: 2018-02-01 04:36:41
Local clock offset: 0.886 ms
Remote clock offset: -4.561 ms

Below is generated by plot.py at 2018-02-01 07:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.46 Mbit/s
95th percentile per-packet one-way delay: 33.166 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 31.805 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 34.303 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 36.350 ms
Loss rate: 0.31%

Run 7: Report of Copa — Data Link

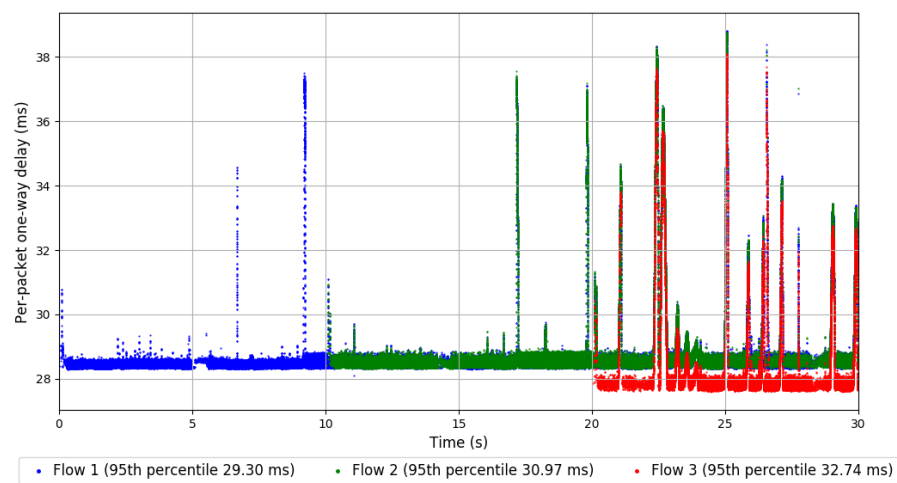
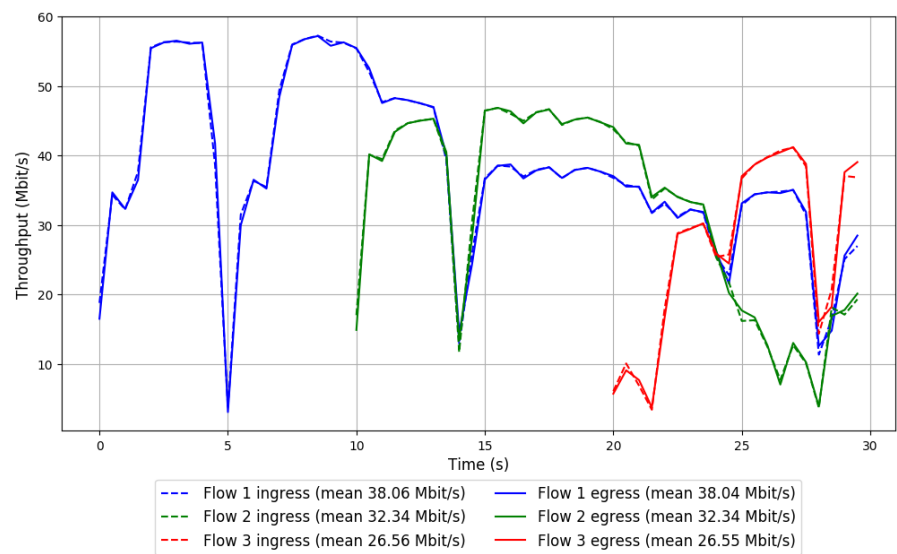


Run 8: Statistics of Copa

Start at: 2018-02-01 05:04:12
End at: 2018-02-01 05:04:42
Local clock offset: 0.914 ms
Remote clock offset: -6.466 ms

Below is generated by plot.py at 2018-02-01 07:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 38.04 Mbit/s
95th percentile per-packet one-way delay: 29.297 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.55 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 0.03%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-01 05:32:11

End at: 2018-02-01 05:32:41

Local clock offset: 0.79 ms

Remote clock offset: -3.35 ms

Below is generated by plot.py at 2018-02-01 07:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.99 Mbit/s

95th percentile per-packet one-way delay: 35.564 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 22.23 Mbit/s

95th percentile per-packet one-way delay: 34.017 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 19.48 Mbit/s

95th percentile per-packet one-way delay: 36.367 ms

Loss rate: 0.18%

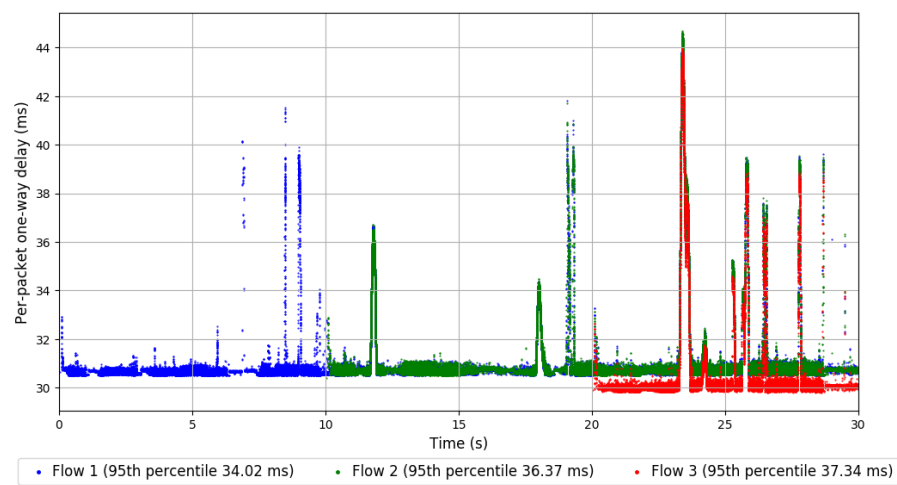
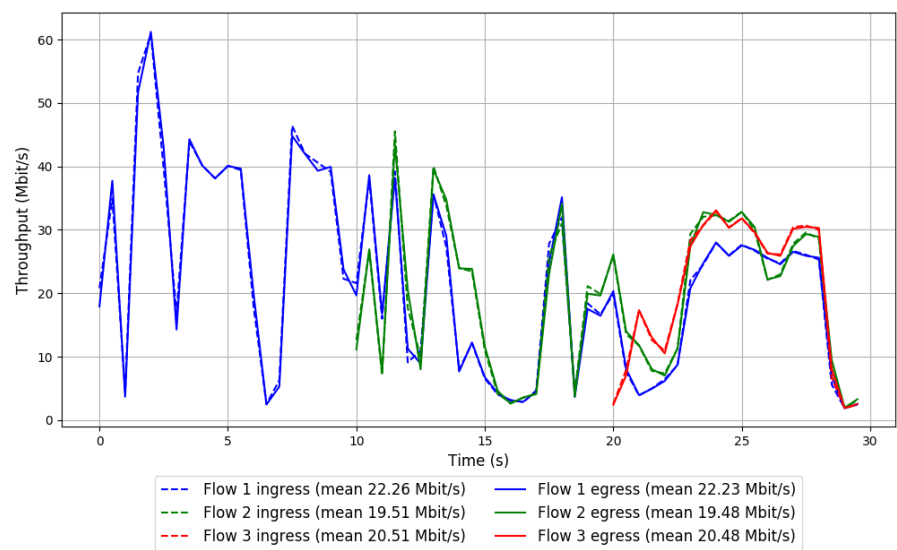
-- Flow 3:

Average throughput: 20.48 Mbit/s

95th percentile per-packet one-way delay: 37.345 ms

Loss rate: 0.13%

Run 9: Report of Copa — Data Link

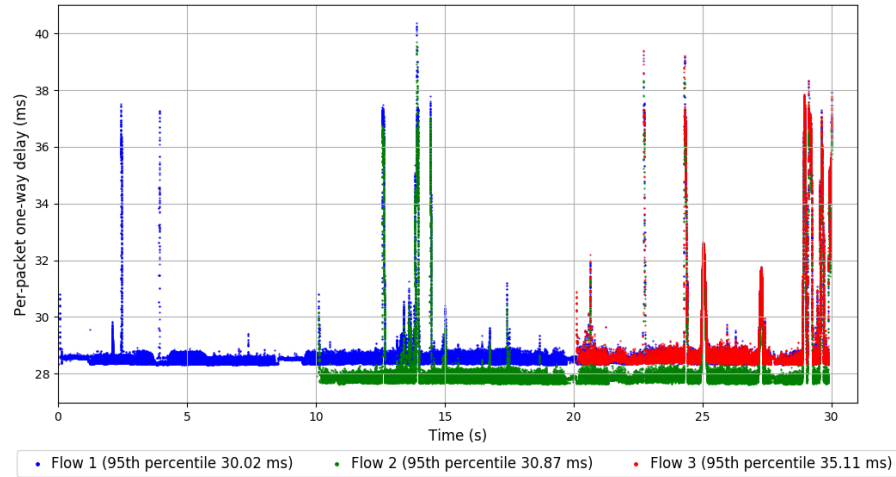
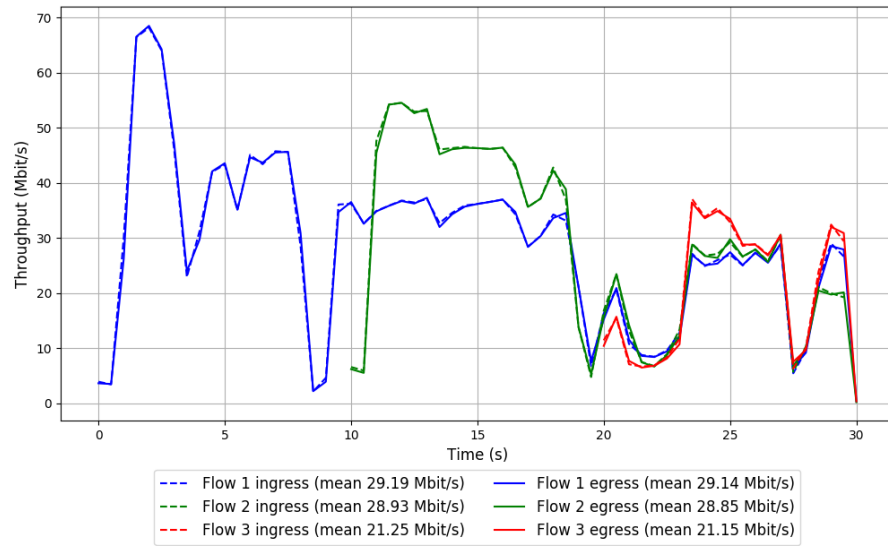


Run 10: Statistics of Copa

Start at: 2018-02-01 06:00:26
End at: 2018-02-01 06:00:56
Local clock offset: 0.873 ms
Remote clock offset: -4.103 ms

Below is generated by plot.py at 2018-02-01 07:06:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 31.413 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 30.021 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.15 Mbit/s
95th percentile per-packet one-way delay: 35.113 ms
Loss rate: 0.38%

Run 10: Report of Copa — Data Link

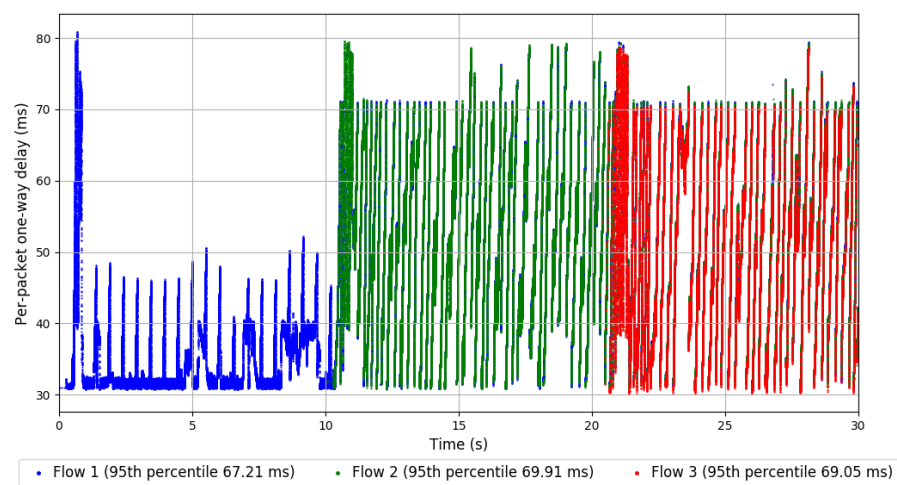
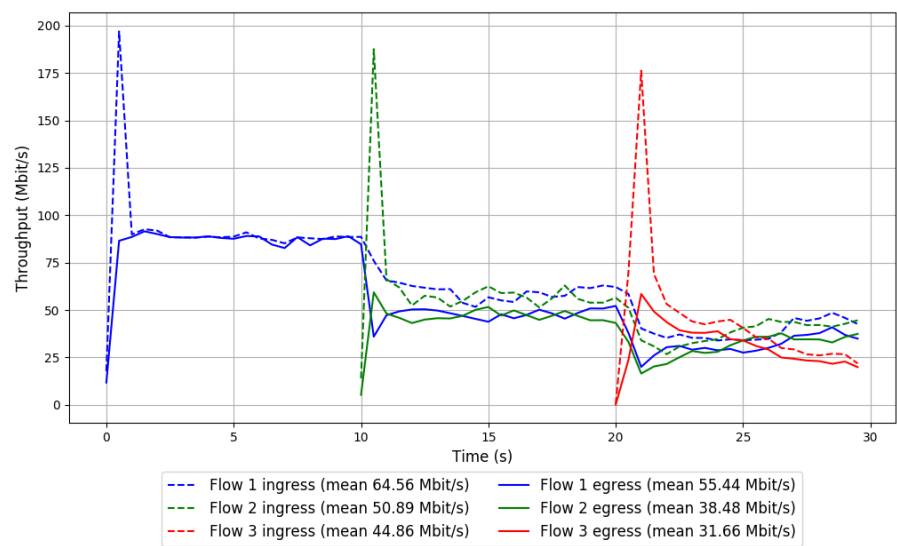


Run 1: Statistics of FillP

Start at: 2018-02-01 02:05:18
End at: 2018-02-01 02:05:48
Local clock offset: 1.26 ms
Remote clock offset: -1.403 ms

Below is generated by plot.py at 2018-02-01 07:07:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 68.583 ms
Loss rate: 19.34%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 67.212 ms
Loss rate: 14.10%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 69.906 ms
Loss rate: 24.36%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 69.051 ms
Loss rate: 30.68%

Run 1: Report of FillP — Data Link

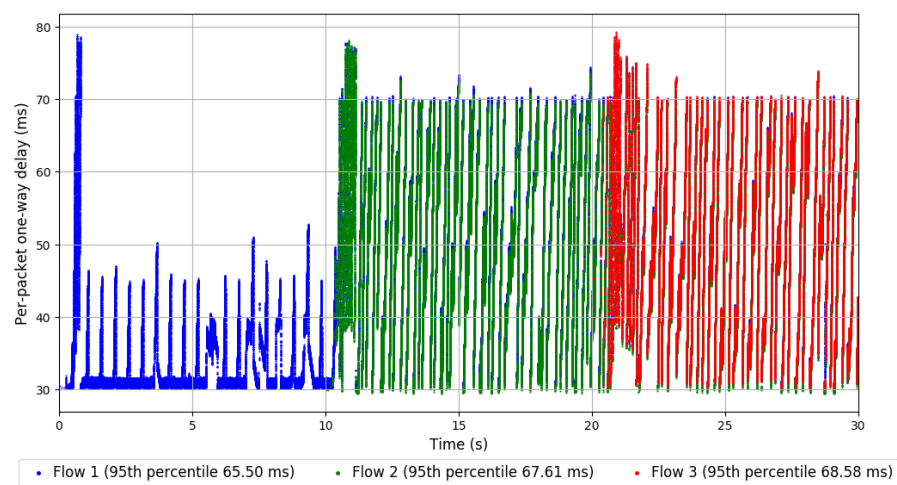
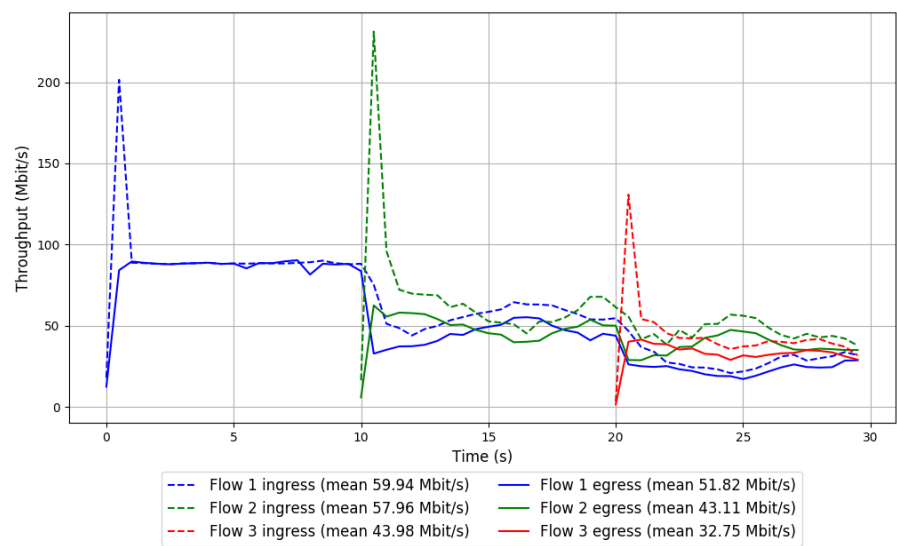


Run 2: Statistics of FillP

Start at: 2018-02-01 02:31:43
End at: 2018-02-01 02:32:14
Local clock offset: 1.256 ms
Remote clock offset: -2.372 ms

Below is generated by plot.py at 2018-02-01 07:07:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 66.918 ms
Loss rate: 19.18%
-- Flow 1:
Average throughput: 51.82 Mbit/s
95th percentile per-packet one-way delay: 65.503 ms
Loss rate: 13.51%
-- Flow 2:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 25.58%
-- Flow 3:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 68.585 ms
Loss rate: 25.56%

Run 2: Report of FillP — Data Link

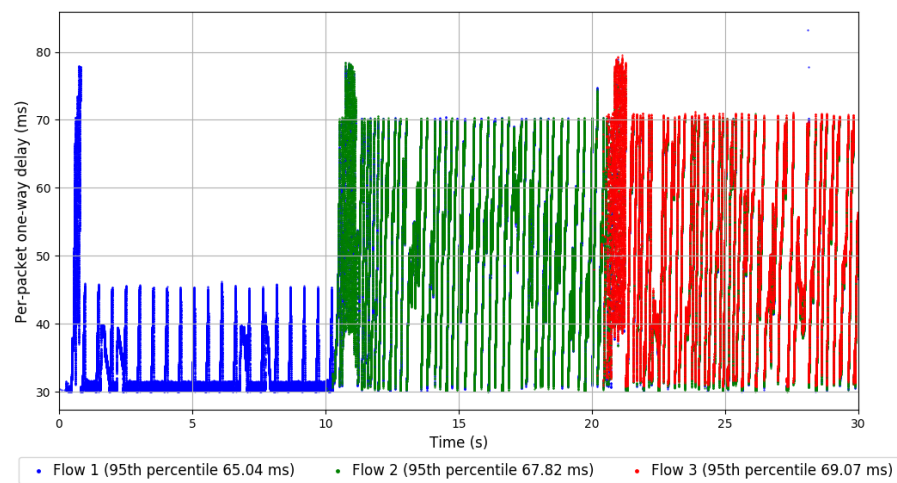
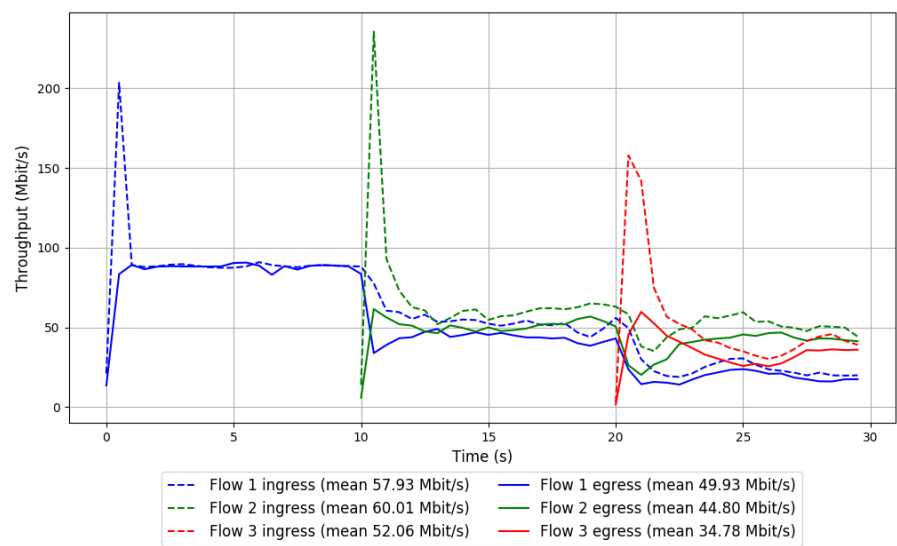


Run 3: Statistics of FillP

Start at: 2018-02-01 02:56:30
End at: 2018-02-01 02:57:00
Local clock offset: 1.101 ms
Remote clock offset: -1.922 ms

Below is generated by plot.py at 2018-02-01 07:07:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 67.107 ms
Loss rate: 20.65%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 13.75%
-- Flow 2:
Average throughput: 44.80 Mbit/s
95th percentile per-packet one-way delay: 67.819 ms
Loss rate: 25.26%
-- Flow 3:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 69.073 ms
Loss rate: 33.15%

Run 3: Report of FillP — Data Link

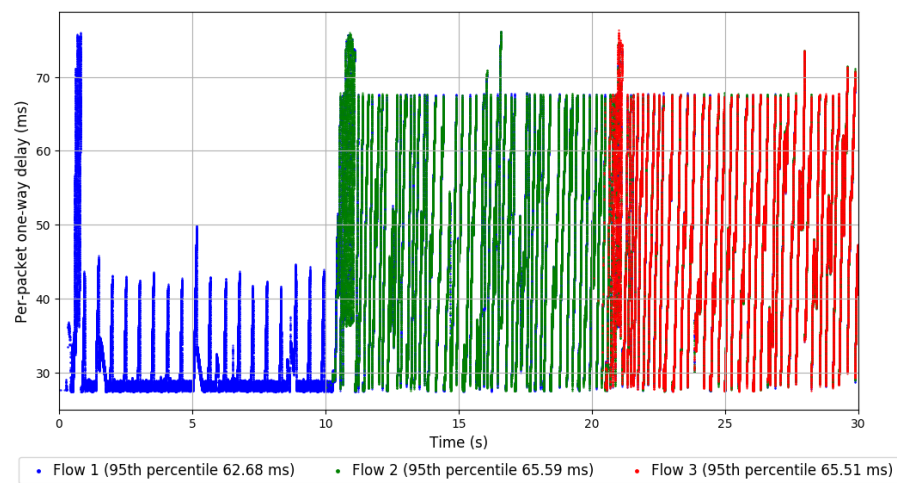
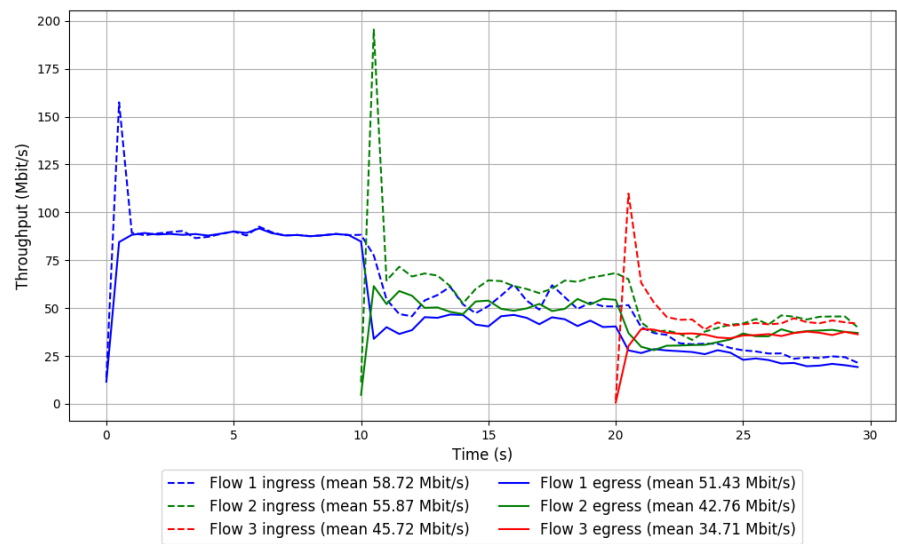


Run 4: Statistics of FillP

Start at: 2018-02-01 03:24:22
End at: 2018-02-01 03:24:52
Local clock offset: 1.109 ms
Remote clock offset: -5.455 ms

Below is generated by plot.py at 2018-02-01 07:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 64.583 ms
Loss rate: 17.67%
-- Flow 1:
Average throughput: 51.43 Mbit/s
95th percentile per-packet one-way delay: 62.680 ms
Loss rate: 12.37%
-- Flow 2:
Average throughput: 42.76 Mbit/s
95th percentile per-packet one-way delay: 65.587 ms
Loss rate: 23.42%
-- Flow 3:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 65.510 ms
Loss rate: 24.10%

Run 4: Report of FillP — Data Link

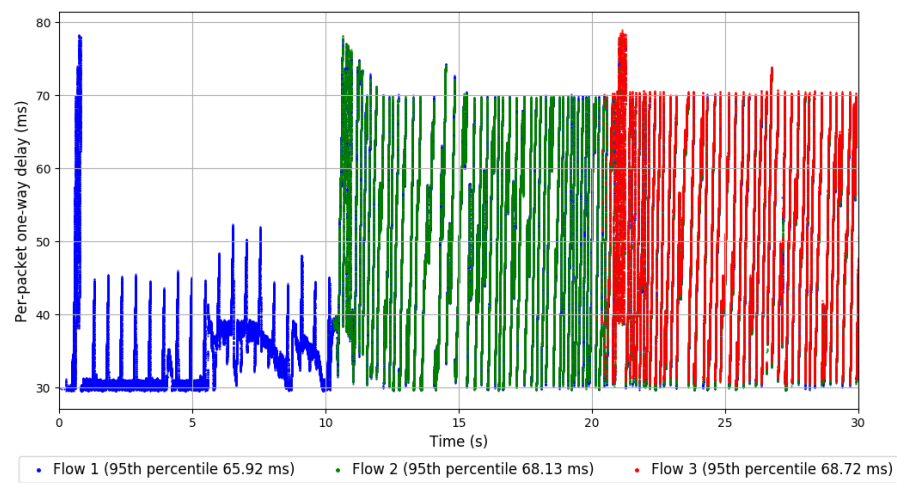
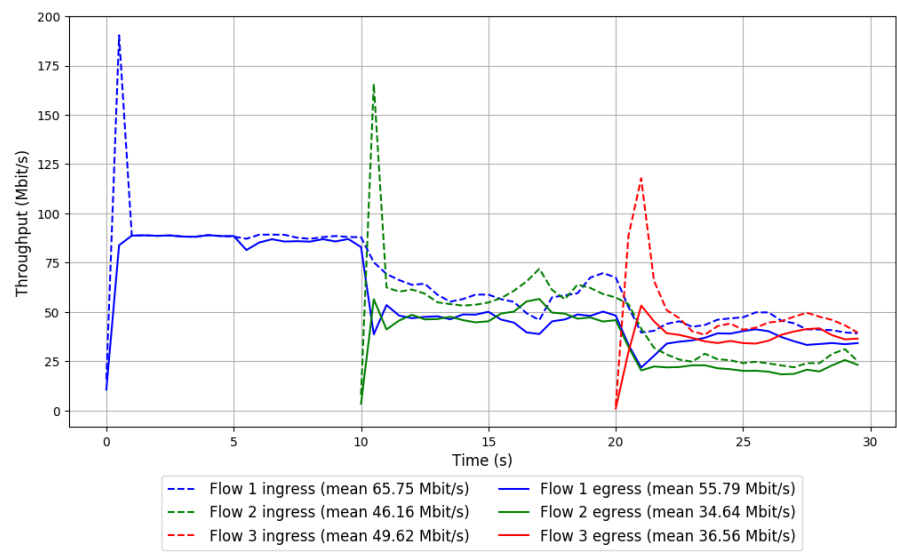


Run 5: Statistics of FillP

Start at: 2018-02-01 03:55:42
End at: 2018-02-01 03:56:12
Local clock offset: 0.896 ms
Remote clock offset: -4.162 ms

Below is generated by plot.py at 2018-02-01 07:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 67.329 ms
Loss rate: 19.42%
-- Flow 1:
Average throughput: 55.79 Mbit/s
95th percentile per-packet one-way delay: 65.920 ms
Loss rate: 15.11%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 68.132 ms
Loss rate: 24.87%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 68.718 ms
Loss rate: 26.46%

Run 5: Report of FillP — Data Link

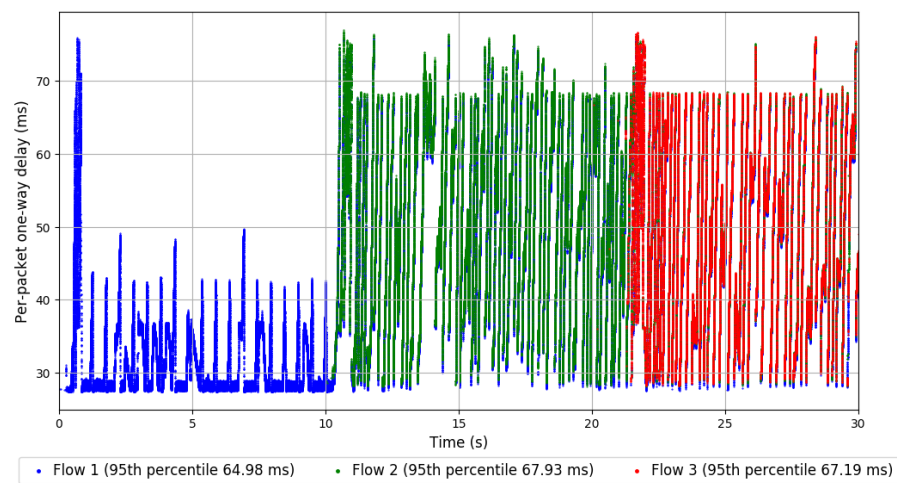
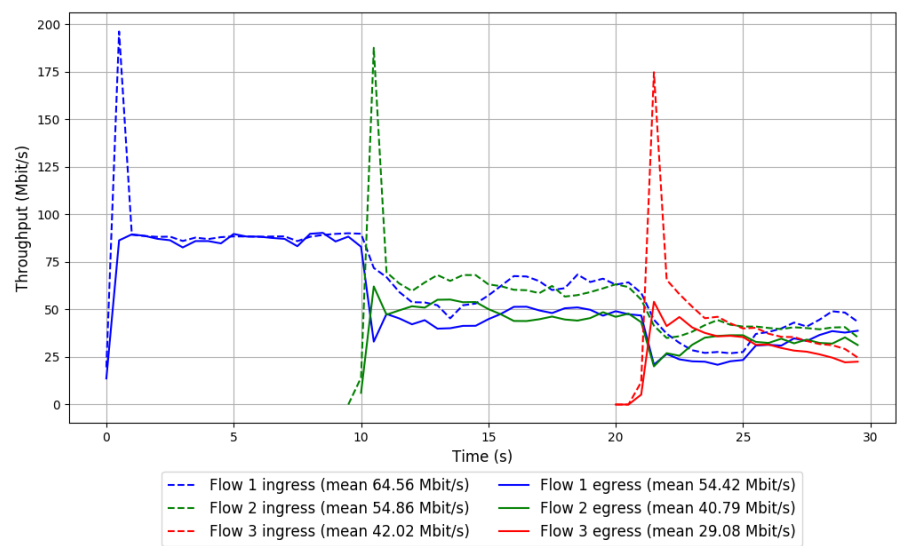


Run 6: Statistics of FillP

Start at: 2018-02-01 04:25:18
End at: 2018-02-01 04:25:48
Local clock offset: 0.973 ms
Remote clock offset: -6.591 ms

Below is generated by plot.py at 2018-02-01 07:08:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 66.581 ms
Loss rate: 20.66%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 64.978 ms
Loss rate: 15.67%
-- Flow 2:
Average throughput: 40.79 Mbit/s
95th percentile per-packet one-way delay: 67.934 ms
Loss rate: 25.58%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 67.193 ms
Loss rate: 30.91%

Run 6: Report of FillP — Data Link

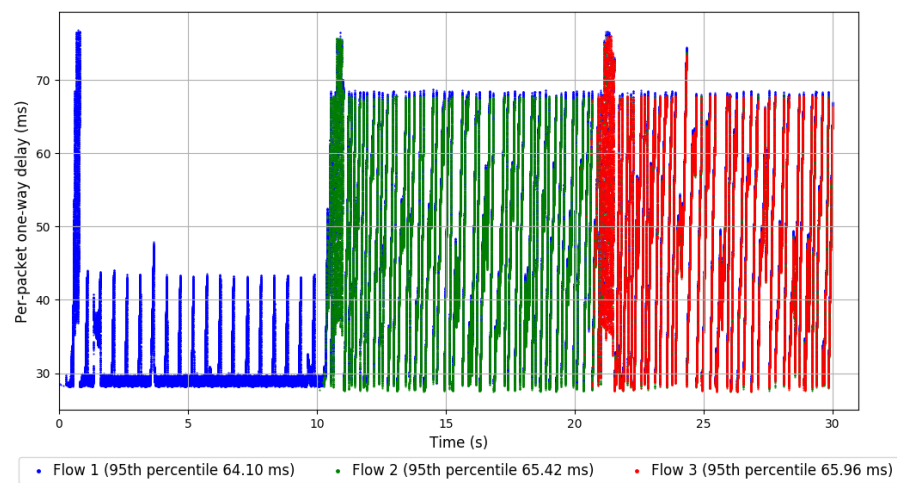
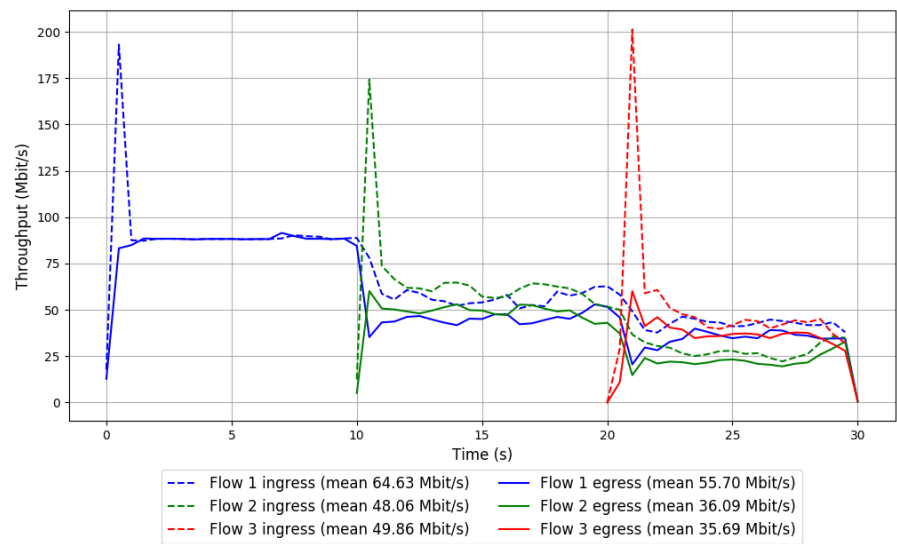


Run 7: Statistics of FillP

Start at: 2018-02-01 04:52:57
End at: 2018-02-01 04:53:27
Local clock offset: 0.874 ms
Remote clock offset: -6.534 ms

Below is generated by plot.py at 2018-02-01 07:08:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 64.953 ms
Loss rate: 19.13%
-- Flow 1:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 64.101 ms
Loss rate: 13.70%
-- Flow 2:
Average throughput: 36.09 Mbit/s
95th percentile per-packet one-way delay: 65.416 ms
Loss rate: 24.77%
-- Flow 3:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 65.957 ms
Loss rate: 29.45%

Run 7: Report of FillP — Data Link

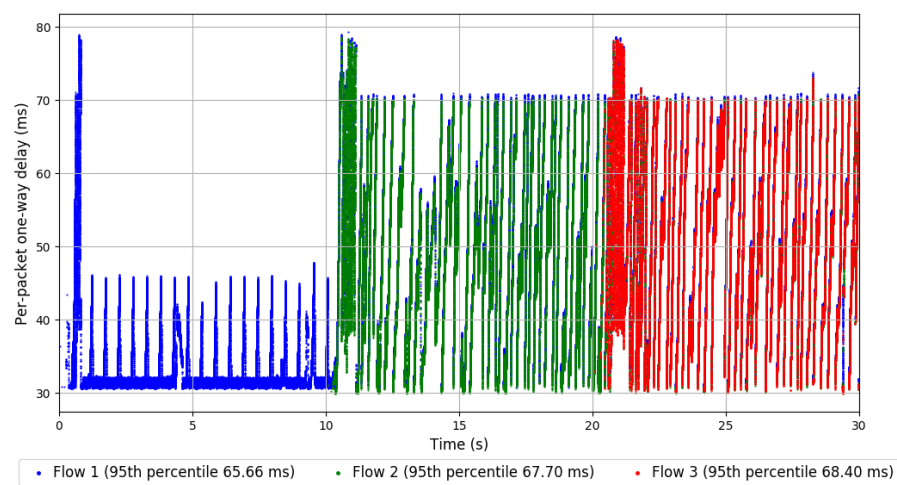
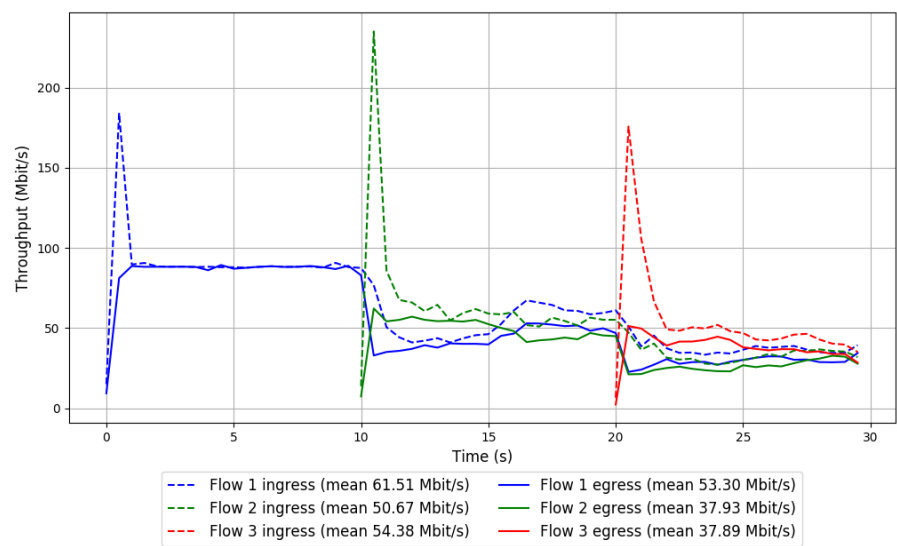


Run 8: Statistics of FillP

Start at: 2018-02-01 05:20:39
End at: 2018-02-01 05:21:09
Local clock offset: 0.886 ms
Remote clock offset: -3.499 ms

Below is generated by plot.py at 2018-02-01 07:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 66.995 ms
Loss rate: 19.58%
-- Flow 1:
Average throughput: 53.30 Mbit/s
95th percentile per-packet one-way delay: 65.660 ms
Loss rate: 13.35%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 67.703 ms
Loss rate: 25.17%
-- Flow 3:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 68.401 ms
Loss rate: 30.34%

Run 8: Report of FillP — Data Link

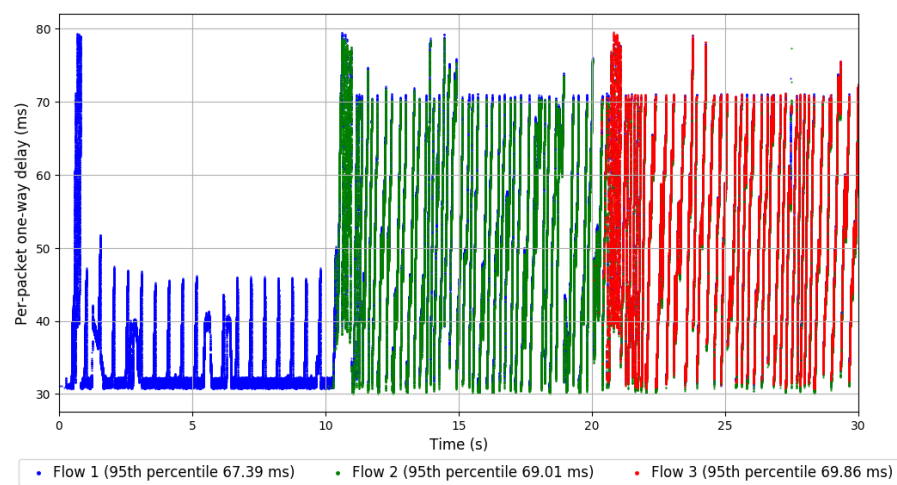
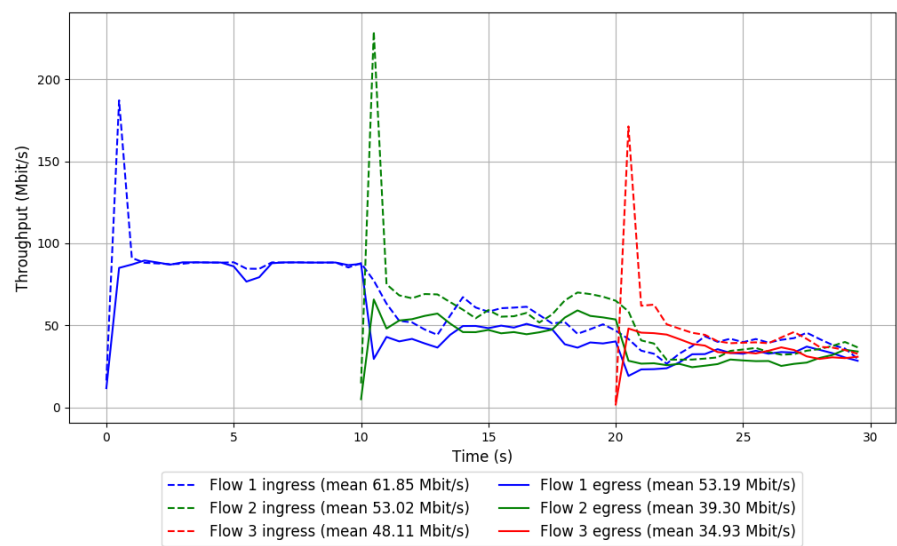


Run 9: Statistics of FillP

Start at: 2018-02-01 05:48:59
End at: 2018-02-01 05:49:29
Local clock offset: 0.87 ms
Remote clock offset: -2.065 ms

Below is generated by plot.py at 2018-02-01 07:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 68.539 ms
Loss rate: 19.57%
-- Flow 1:
Average throughput: 53.19 Mbit/s
95th percentile per-packet one-way delay: 67.390 ms
Loss rate: 13.97%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 69.014 ms
Loss rate: 25.83%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 69.856 ms
Loss rate: 27.42%

Run 9: Report of FillP — Data Link

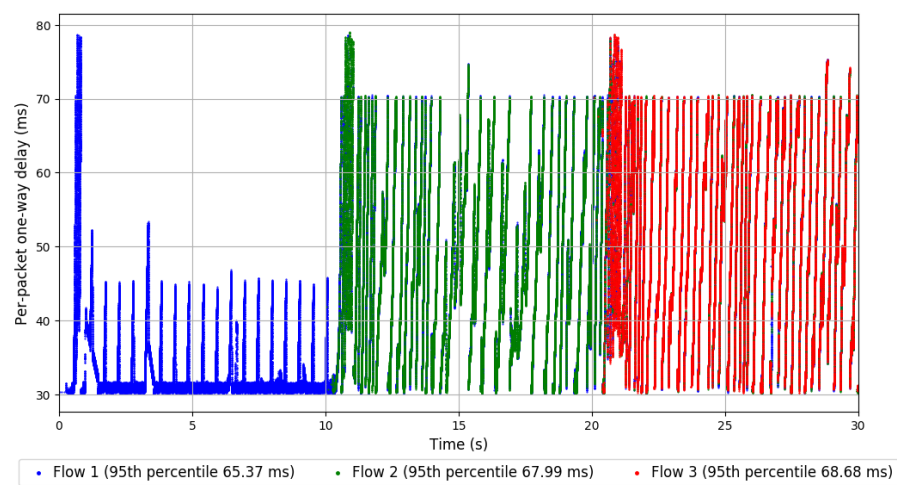
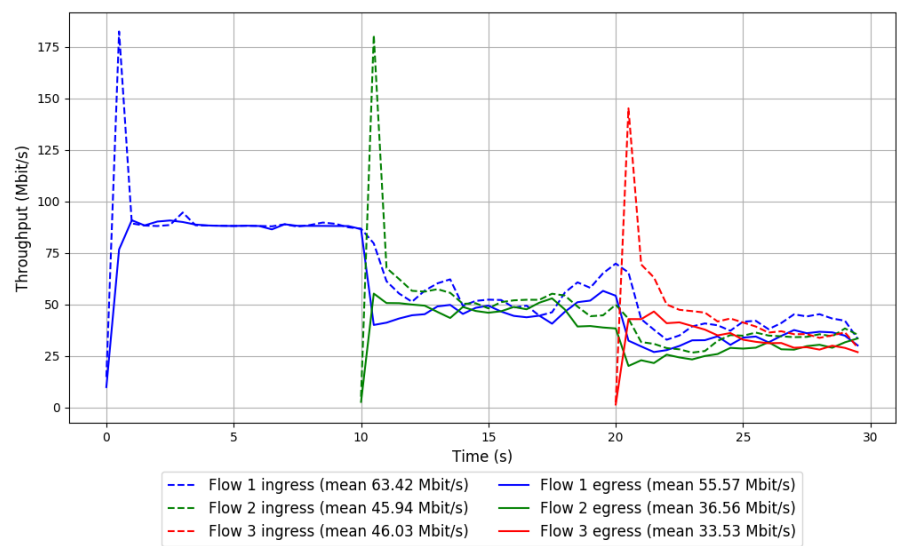


Run 10: Statistics of FillP

Start at: 2018-02-01 06:17:56
End at: 2018-02-01 06:18:26
Local clock offset: 0.918 ms
Remote clock offset: -1.655 ms

Below is generated by plot.py at 2018-02-01 07:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 67.027 ms
Loss rate: 16.75%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 65.374 ms
Loss rate: 12.39%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 67.987 ms
Loss rate: 20.46%
-- Flow 3:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 68.680 ms
Loss rate: 27.45%

Run 10: Report of FillP — Data Link

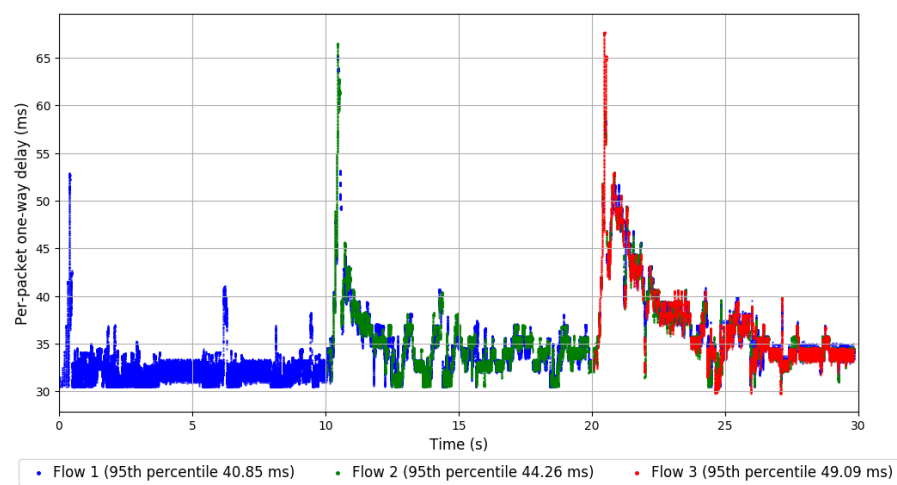
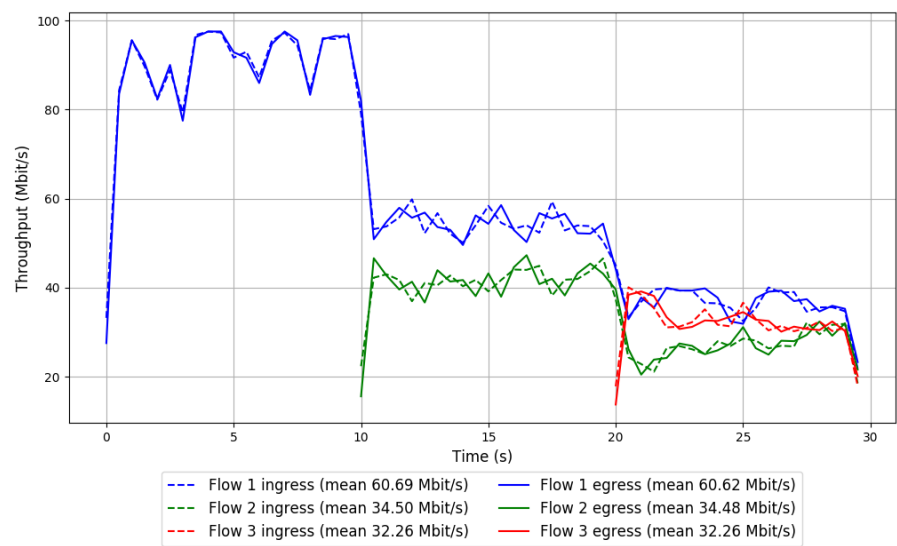


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-01 01:46:32
End at: 2018-02-01 01:47:02
Local clock offset: 1.441 ms
Remote clock offset: -1.418 ms

Below is generated by plot.py at 2018-02-01 07:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 43.236 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 40.846 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 44.260 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 49.087 ms
Loss rate: 0.00%

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

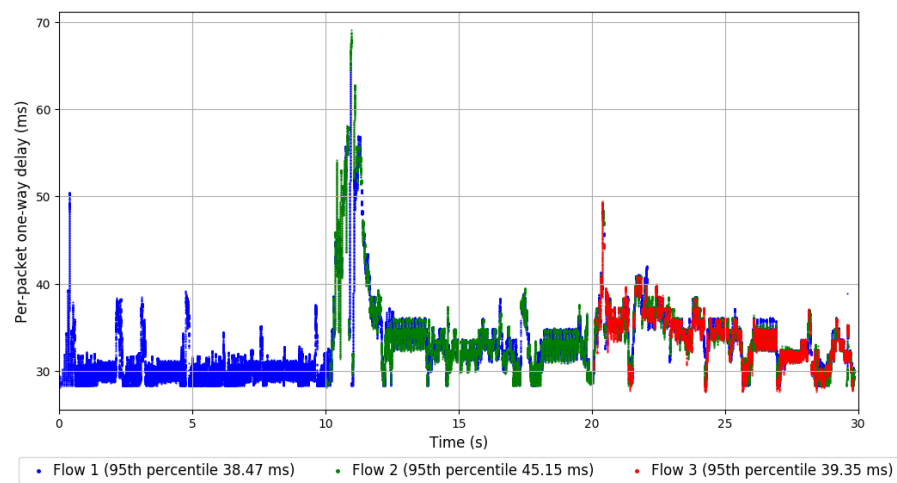
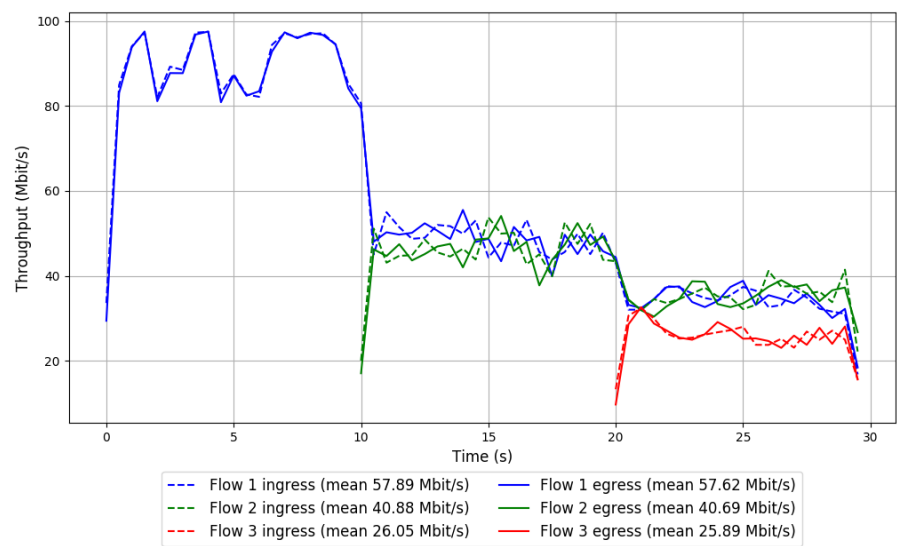


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-01 02:12:55
End at: 2018-02-01 02:13:25
Local clock offset: 1.304 ms
Remote clock offset: -4.182 ms

Below is generated by plot.py at 2018-02-01 07:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 39.629 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 38.469 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 45.146 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 39.348 ms
Loss rate: 0.65%

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

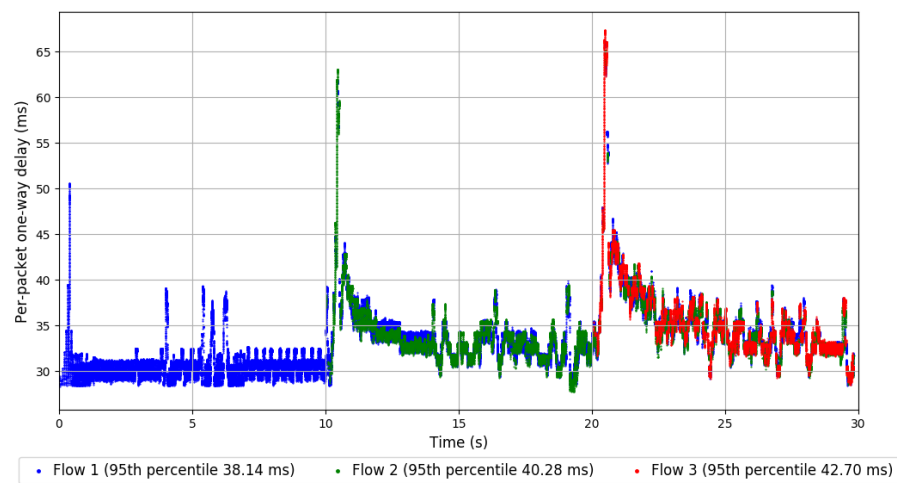
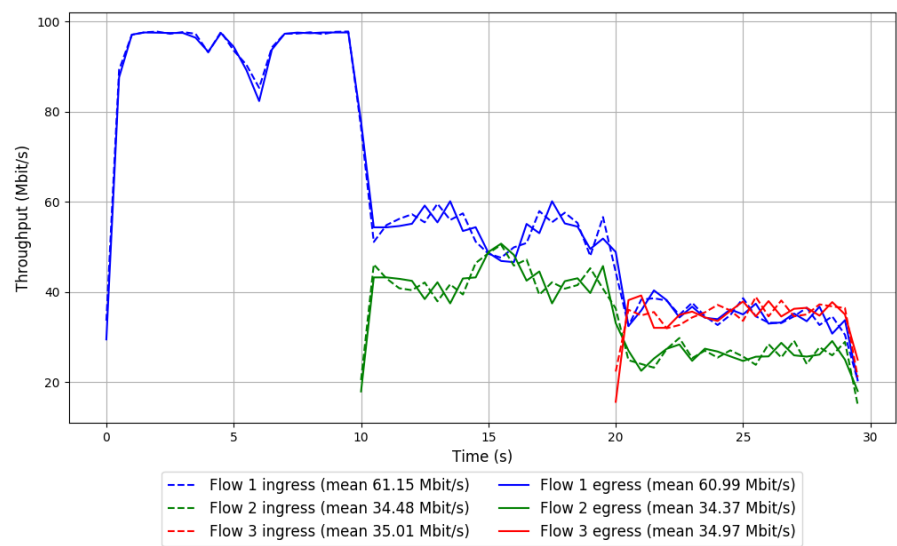


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-01 02:38:41
End at: 2018-02-01 02:39:12
Local clock offset: 1.132 ms
Remote clock offset: -4.443 ms

Below is generated by plot.py at 2018-02-01 07:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 39.546 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 38.144 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 40.277 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 42.700 ms
Loss rate: 0.14%

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

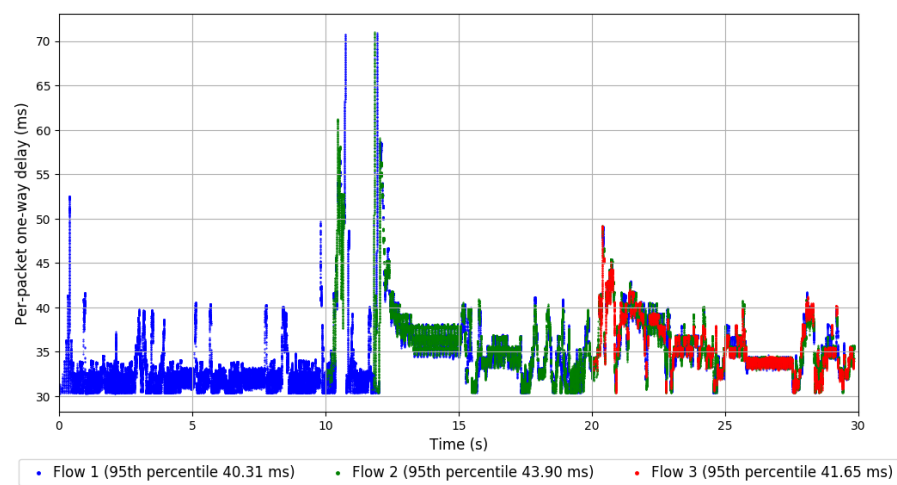
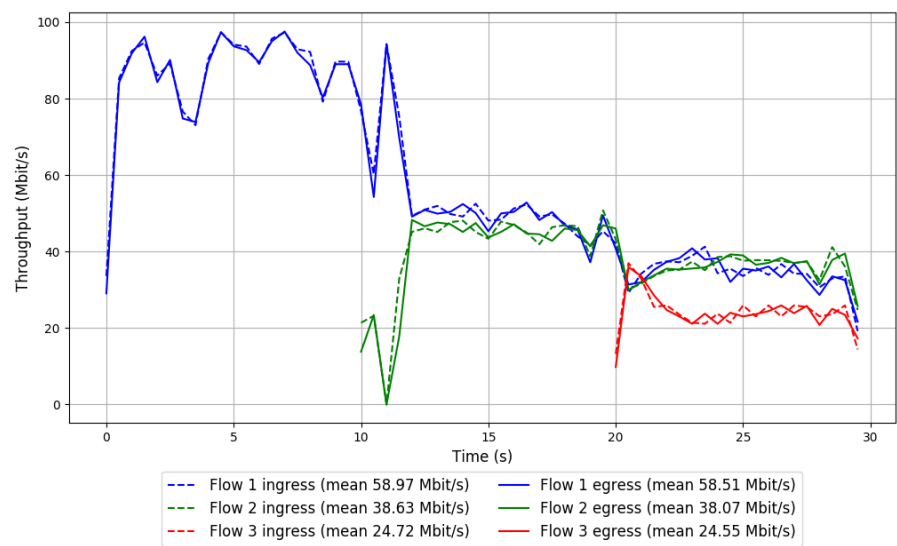


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-01 03:03:32
End at: 2018-02-01 03:04:02
Local clock offset: 1.173 ms
Remote clock offset: -2.601 ms

Below is generated by plot.py at 2018-02-01 07:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 41.339 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 40.307 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 43.902 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 41.646 ms
Loss rate: 0.68%

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

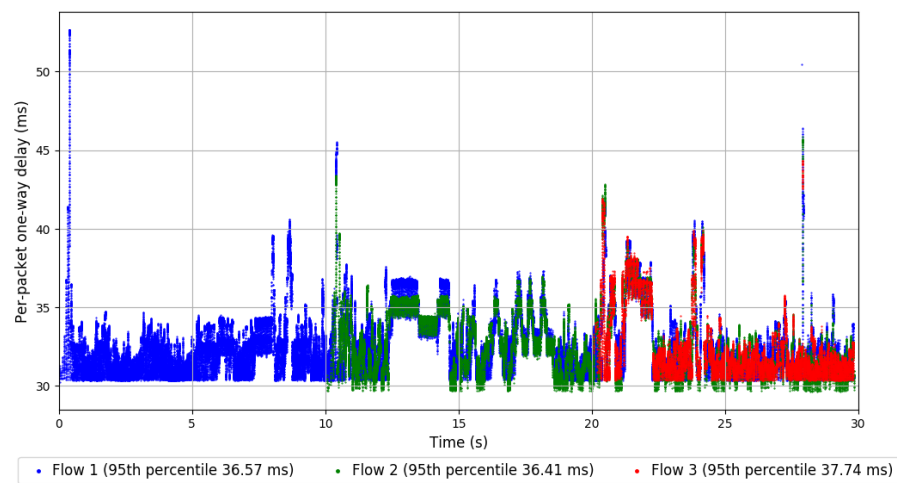
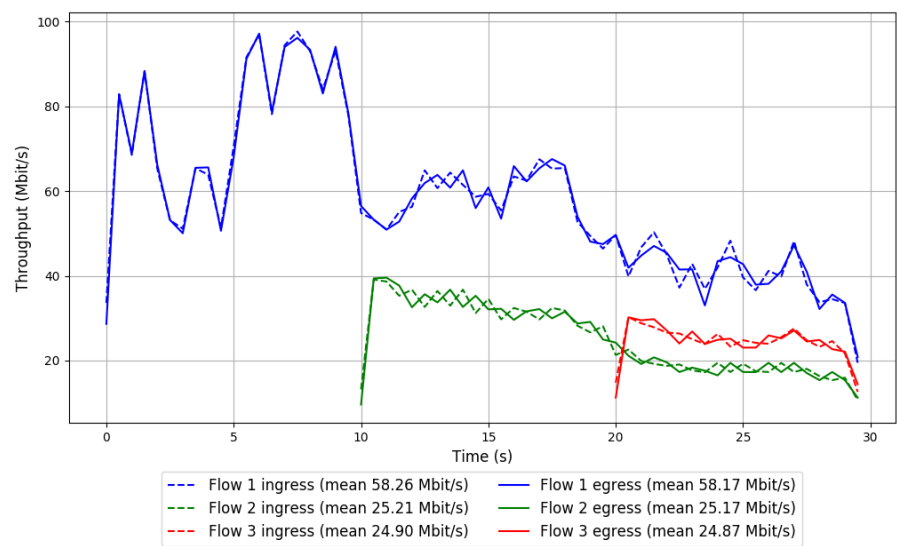


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-01 03:34:10
End at: 2018-02-01 03:34:40
Local clock offset: 1.055 ms
Remote clock offset: -3.789 ms

Below is generated by plot.py at 2018-02-01 07:10:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 36.596 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 36.574 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 36.405 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 37.736 ms
Loss rate: 0.10%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-01 04:04:32

End at: 2018-02-01 04:05:02

Local clock offset: 0.85 ms

Remote clock offset: -6.3 ms

Below is generated by plot.py at 2018-02-01 07:10:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.22 Mbit/s

95th percentile per-packet one-way delay: 36.187 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 35.388 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 35.830 ms

Loss rate: 0.11%

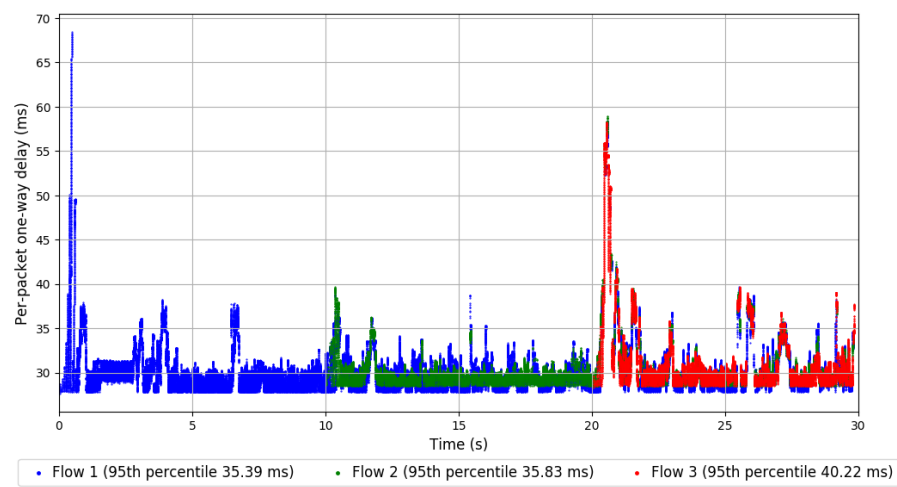
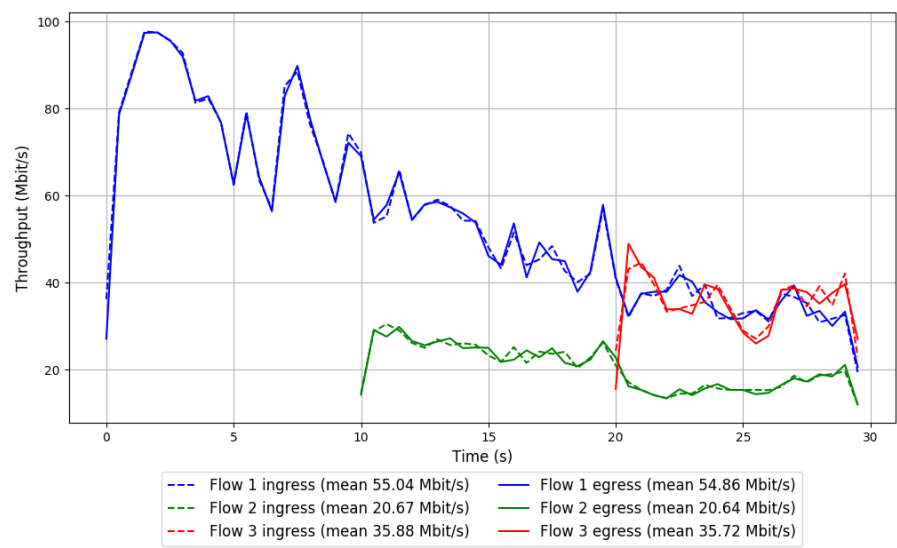
-- Flow 3:

Average throughput: 35.72 Mbit/s

95th percentile per-packet one-way delay: 40.215 ms

Loss rate: 0.35%

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

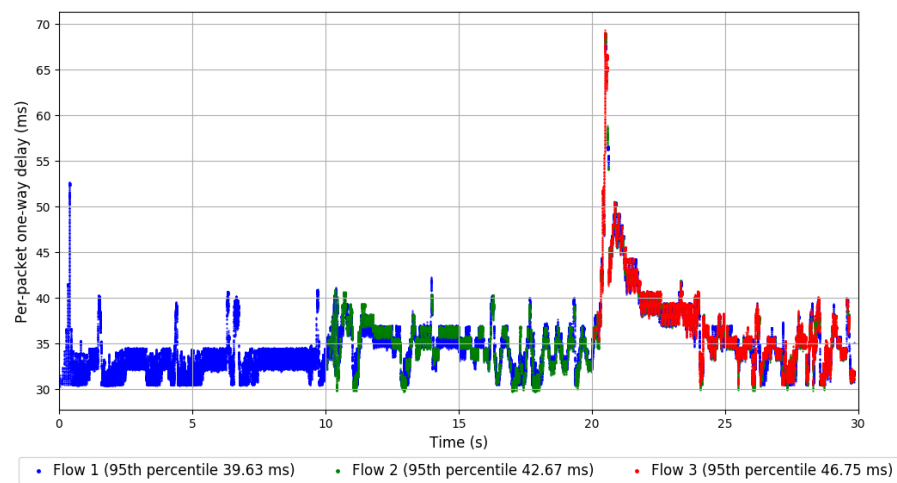
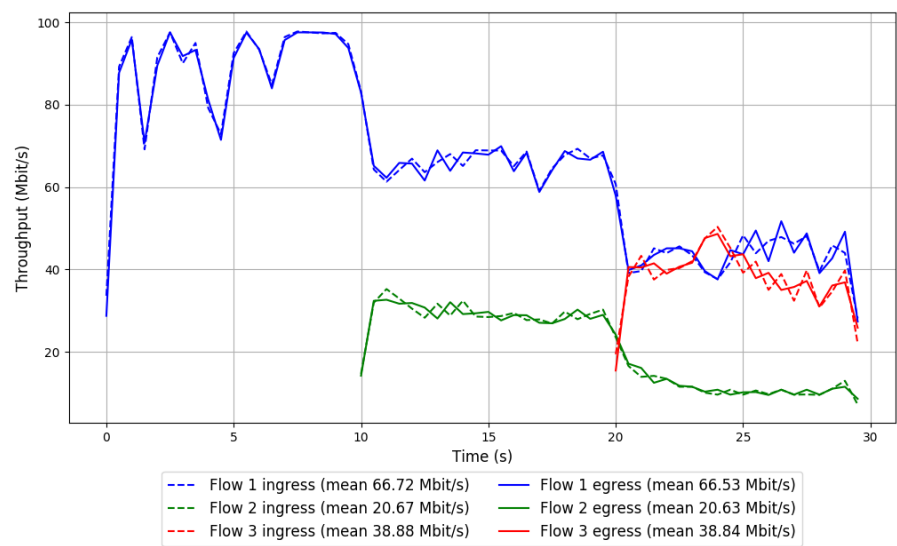


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-01 04:33:12
End at: 2018-02-01 04:33:42
Local clock offset: 0.986 ms
Remote clock offset: -4.563 ms

Below is generated by plot.py at 2018-02-01 07:10:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 41.533 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 39.627 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 42.674 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 46.753 ms
Loss rate: 0.13%

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

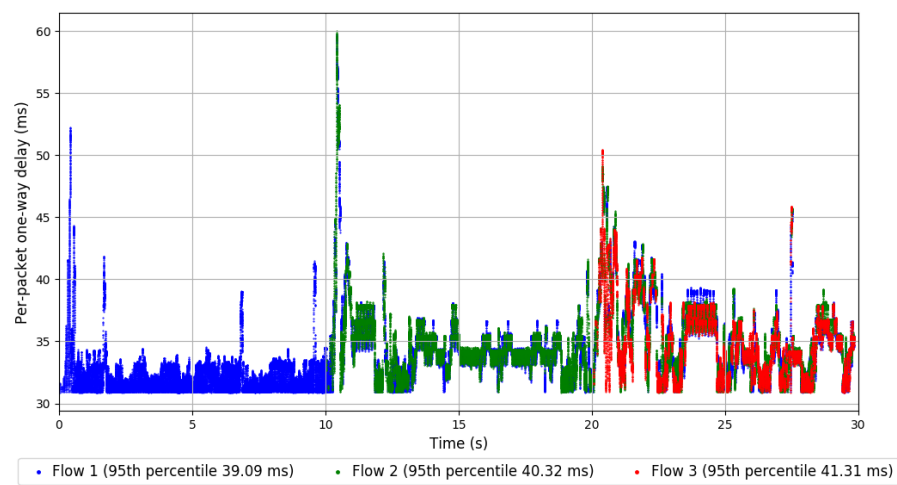
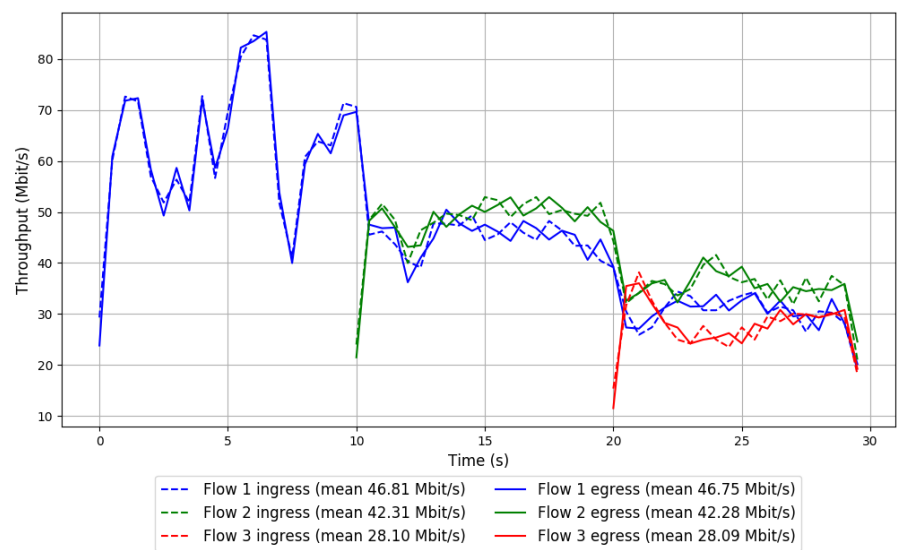


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-01 05:00:56
End at: 2018-02-01 05:01:26
Local clock offset: 0.945 ms
Remote clock offset: -3.885 ms

Below is generated by plot.py at 2018-02-01 07:10:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 39.087 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 40.319 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 41.309 ms
Loss rate: 0.00%

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

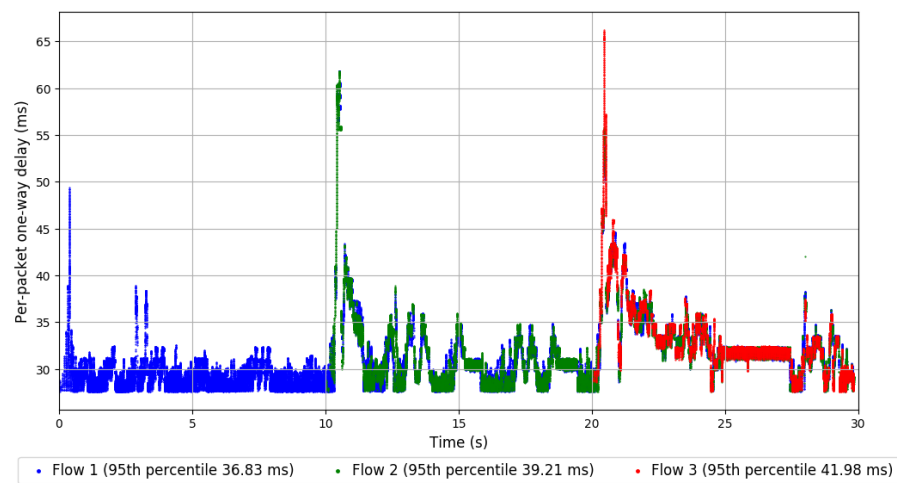
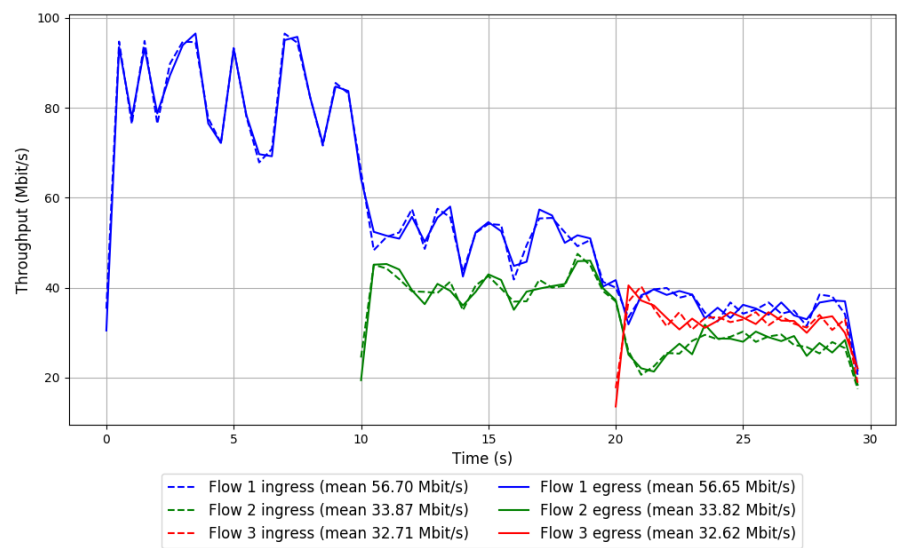


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-01 05:28:47
End at: 2018-02-01 05:29:17
Local clock offset: 0.865 ms
Remote clock offset: -5.647 ms

Below is generated by plot.py at 2018-02-01 07:10:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: 38.168 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 36.831 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 39.210 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 41.979 ms
Loss rate: 0.27%

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

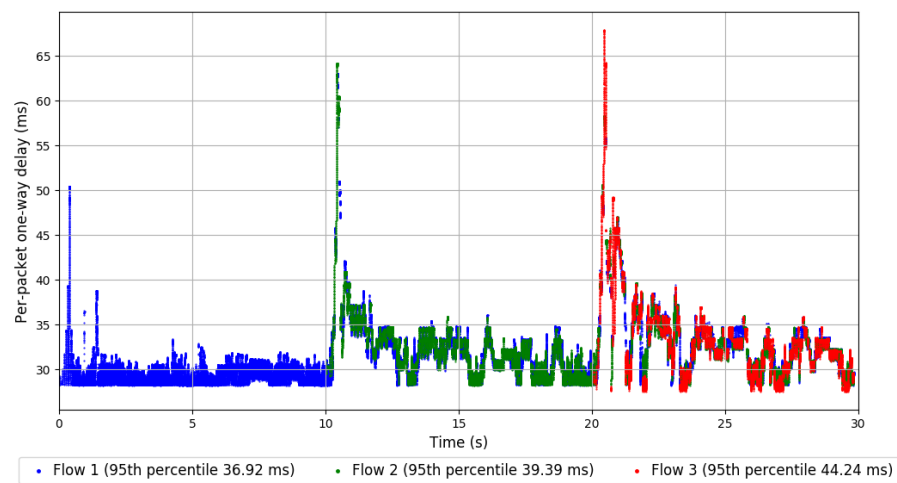
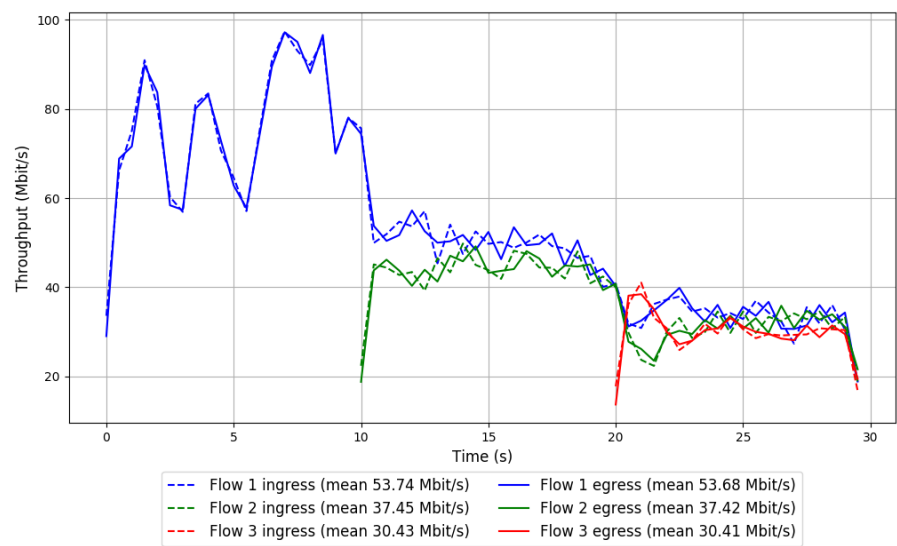


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-01 05:57:10
End at: 2018-02-01 05:57:40
Local clock offset: 0.882 ms
Remote clock offset: -4.334 ms

Below is generated by plot.py at 2018-02-01 07:10:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.47 Mbit/s
95th percentile per-packet one-way delay: 38.249 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 36.922 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 39.388 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 44.238 ms
Loss rate: 0.06%

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

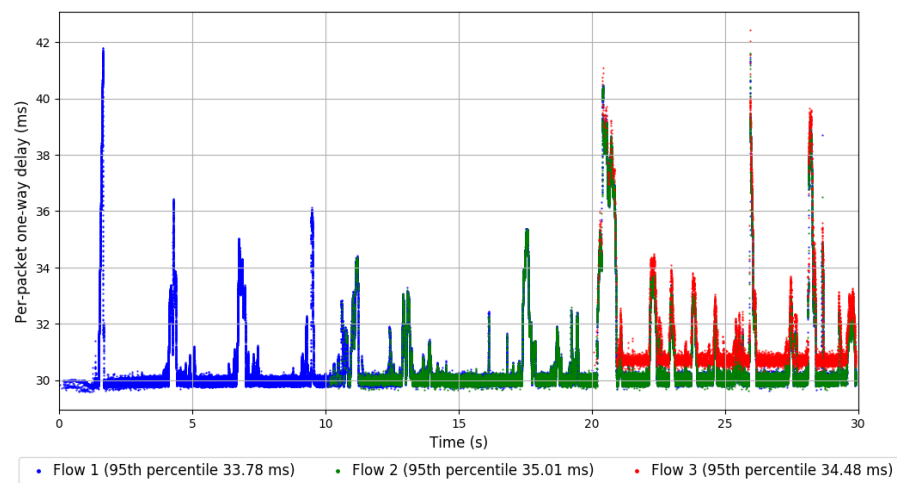
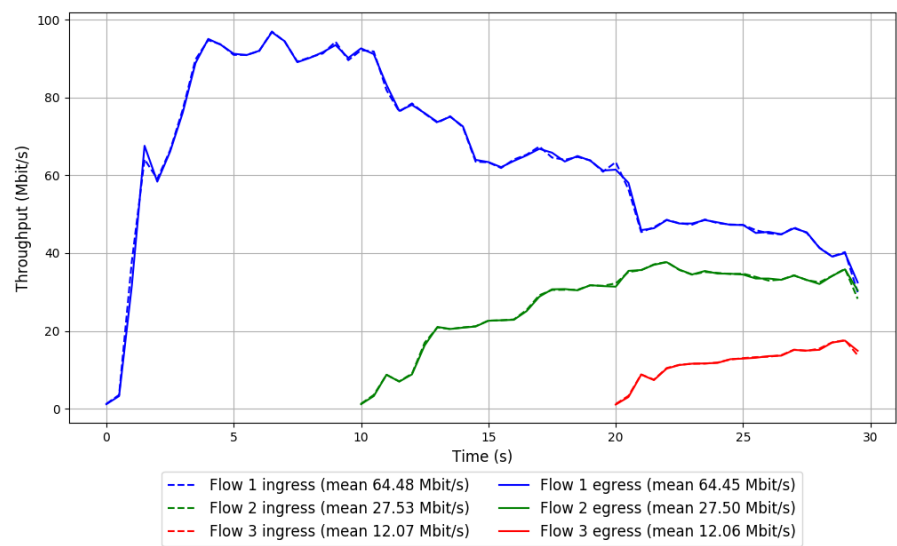


Run 1: Statistics of Vivace-latency

Start at: 2018-02-01 01:59:22
End at: 2018-02-01 01:59:52
Local clock offset: 1.398 ms
Remote clock offset: -1.722 ms

Below is generated by plot.py at 2018-02-01 07:11:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 34.038 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 33.784 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 35.008 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 34.479 ms
Loss rate: 0.14%

Run 1: Report of Vivace-latency — Data Link

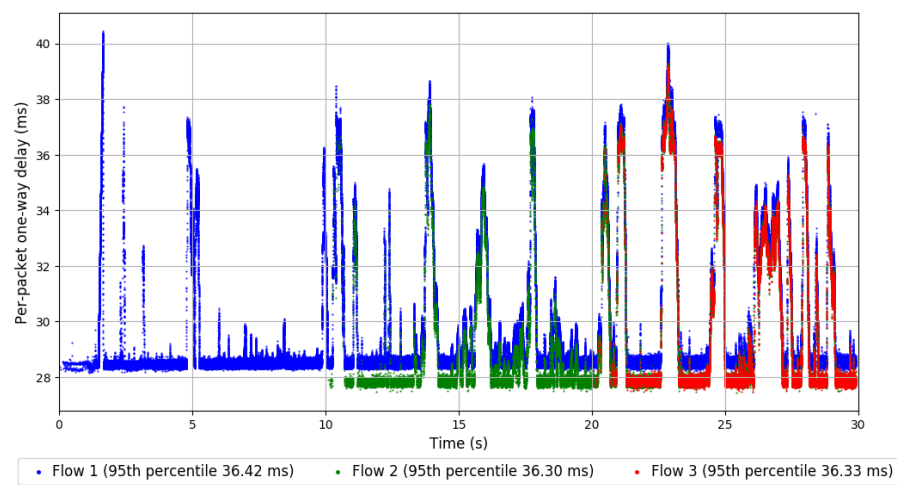
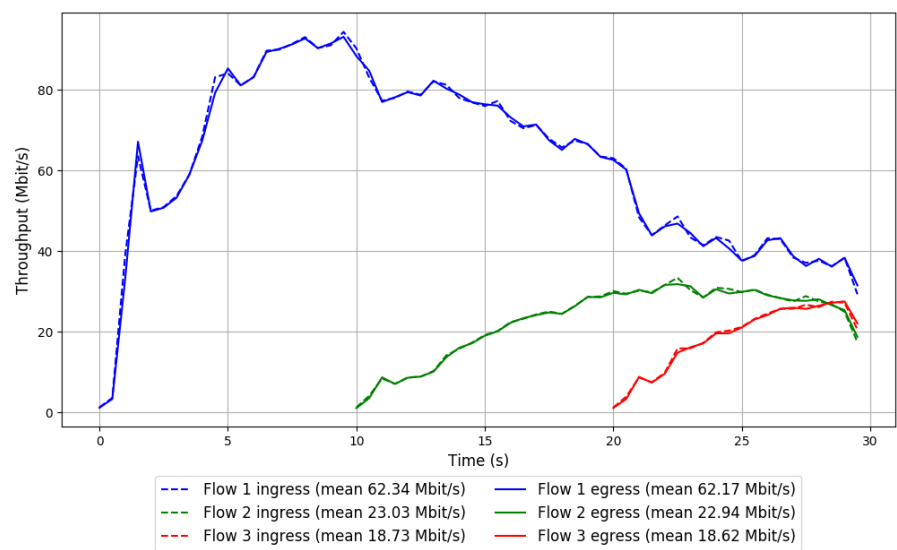


Run 2: Statistics of Vivace-latency

Start at: 2018-02-01 02:25:56
End at: 2018-02-01 02:26:26
Local clock offset: 1.262 ms
Remote clock offset: -4.382 ms

Below is generated by plot.py at 2018-02-01 07:11:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 36.338 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 36.422 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 36.305 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 36.327 ms
Loss rate: 0.61%

Run 2: Report of Vivace-latency — Data Link

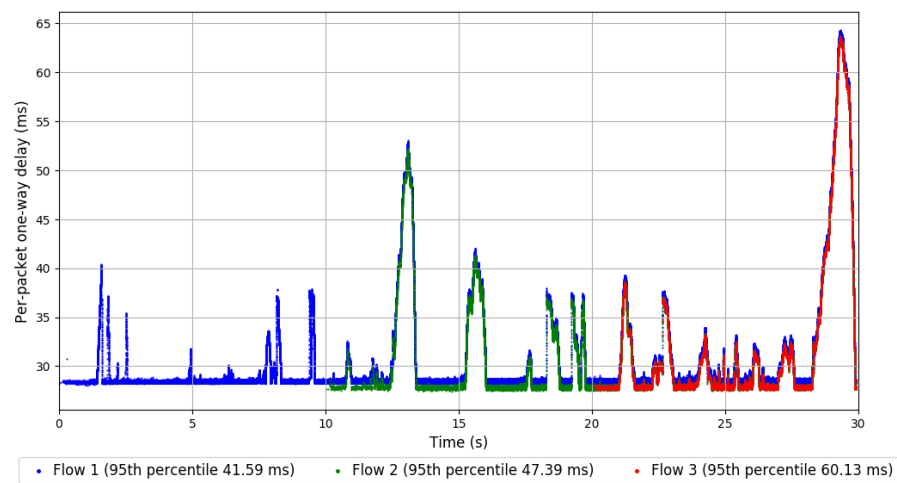
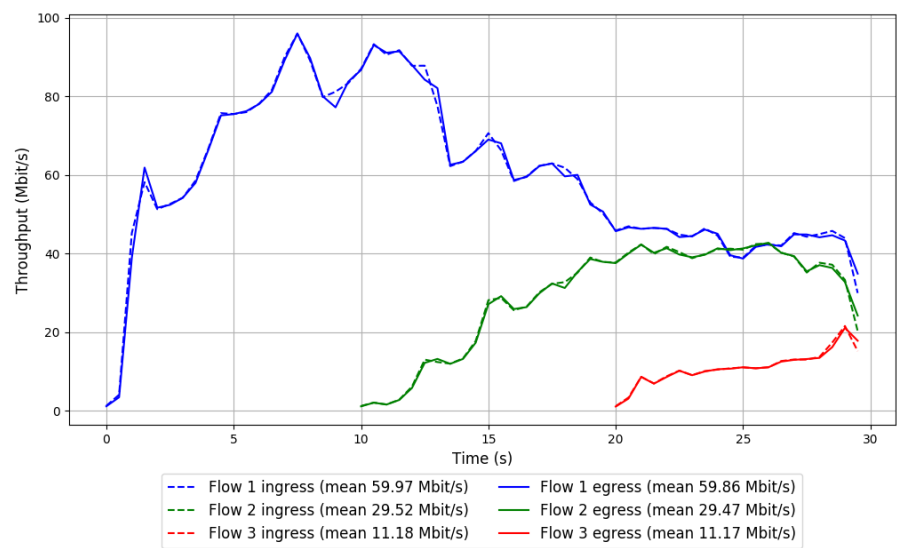


Run 3: Statistics of Vivace-latency

Start at: 2018-02-01 02:51:00
End at: 2018-02-01 02:51:30
Local clock offset: 1.195 ms
Remote clock offset: -4.475 ms

Below is generated by plot.py at 2018-02-01 07:11:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 45.083 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: 41.591 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 47.387 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 60.130 ms
Loss rate: 0.04%

Run 3: Report of Vivace-latency — Data Link

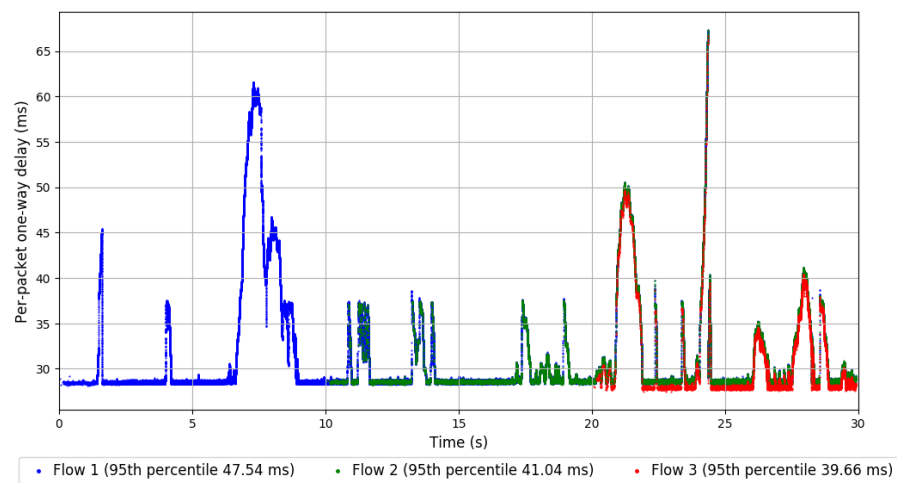
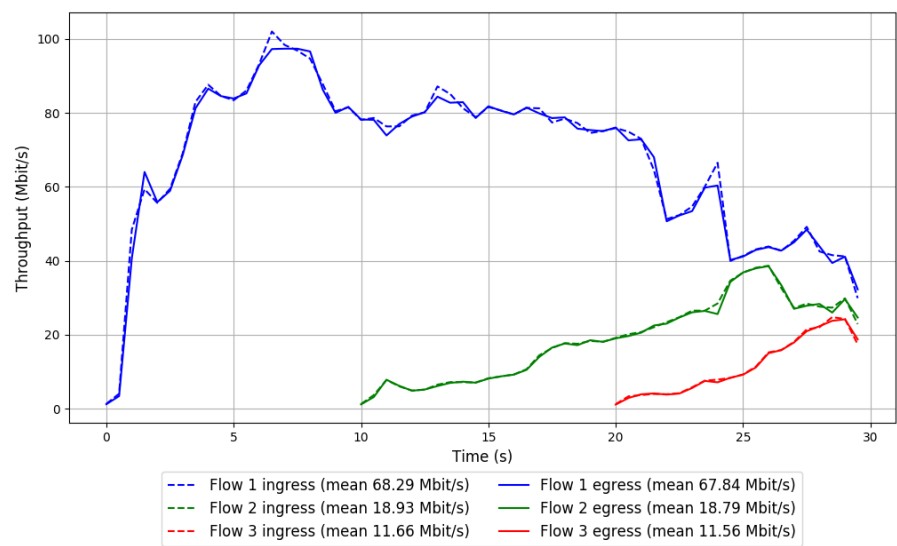


Run 4: Statistics of Vivace-latency

Start at: 2018-02-01 03:16:40
End at: 2018-02-01 03:17:10
Local clock offset: 1.124 ms
Remote clock offset: -5.154 ms

```
# Below is generated by plot.py at 2018-02-01 07:11:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 46.530 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 47.543 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 18.79 Mbit/s
95th percentile per-packet one-way delay: 41.040 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 39.665 ms
Loss rate: 0.86%
```


Run 4: Report of Vivace-latency — Data Link

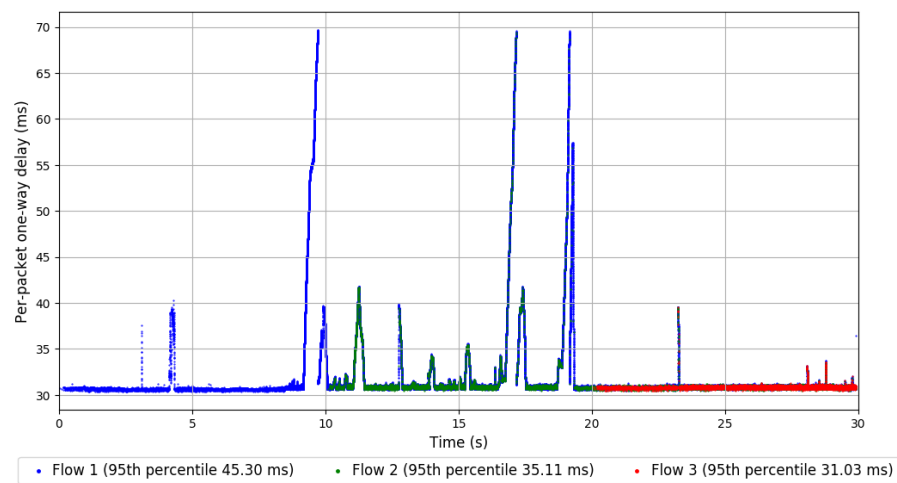
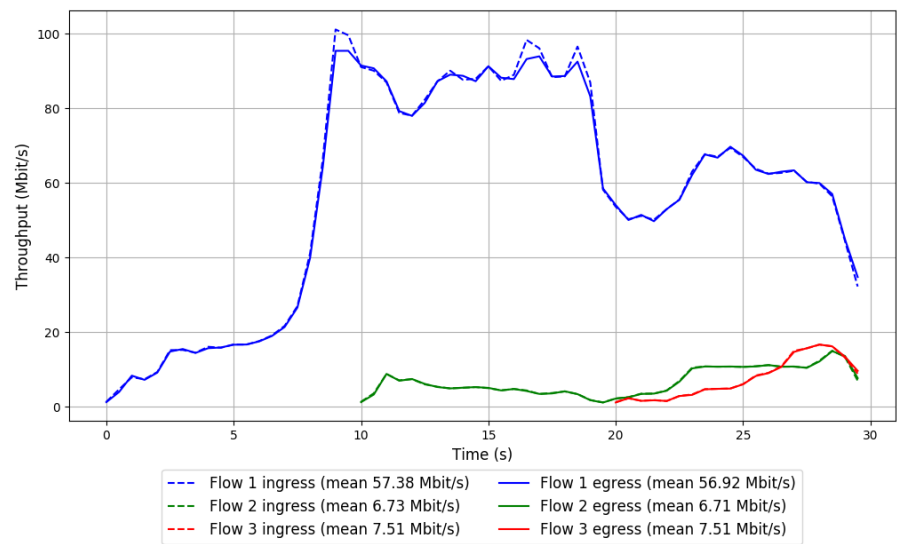


Run 5: Statistics of Vivace-latency

Start at: 2018-02-01 03:48:44
End at: 2018-02-01 03:49:14
Local clock offset: 0.977 ms
Remote clock offset: -3.701 ms

Below is generated by plot.py at 2018-02-01 07:11:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.86 Mbit/s
95th percentile per-packet one-way delay: 42.801 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 45.296 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 35.111 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

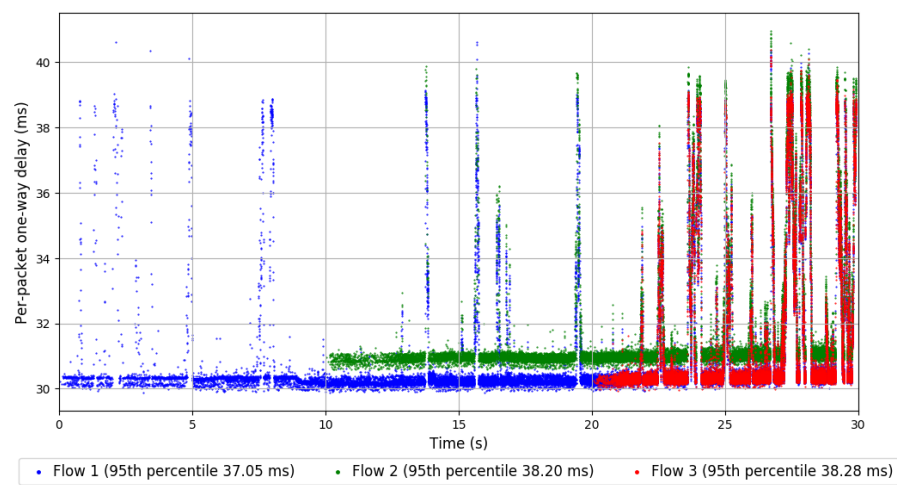
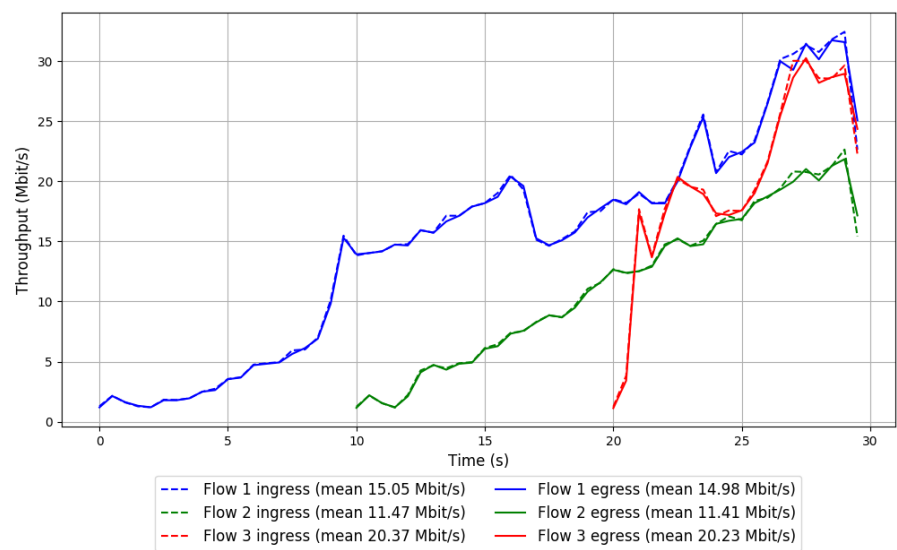


Run 6: Statistics of Vivace-latency

Start at: 2018-02-01 04:19:25
End at: 2018-02-01 04:19:55
Local clock offset: 0.987 ms
Remote clock offset: -4.011 ms

Below is generated by plot.py at 2018-02-01 07:11:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.24 Mbit/s
95th percentile per-packet one-way delay: 37.809 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 37.055 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 38.196 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 38.277 ms
Loss rate: 0.57%

Run 6: Report of Vivace-latency — Data Link

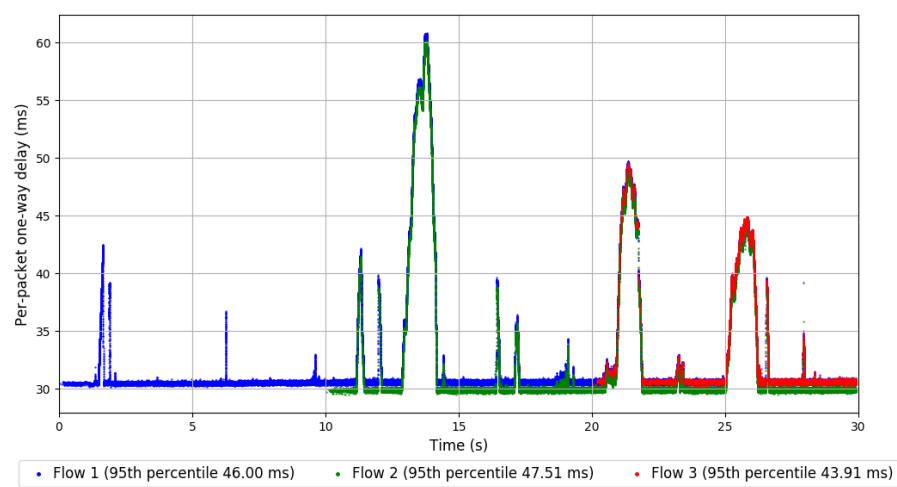
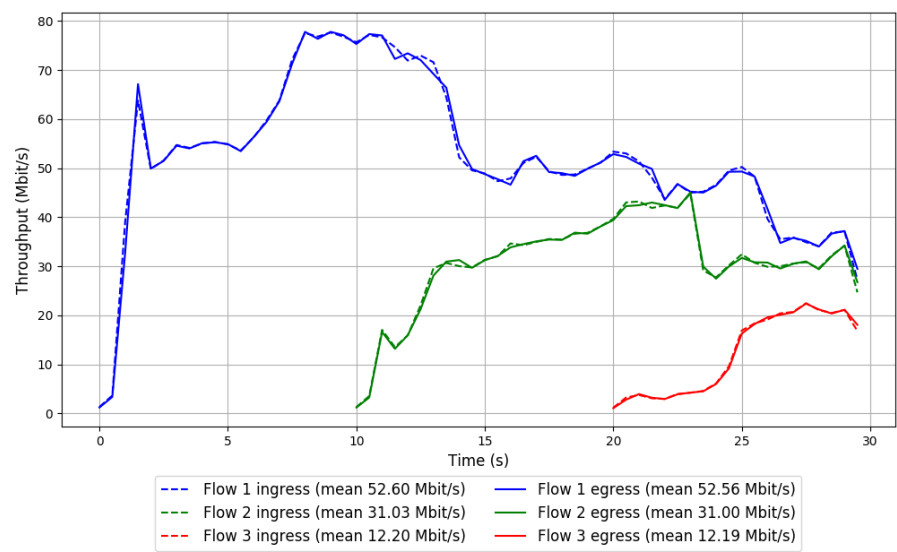


Run 7: Statistics of Vivace-latency

Start at: 2018-02-01 04:46:40
End at: 2018-02-01 04:47:10
Local clock offset: 0.991 ms
Remote clock offset: -4.559 ms

Below is generated by plot.py at 2018-02-01 07:12:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 46.322 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 52.56 Mbit/s
95th percentile per-packet one-way delay: 45.996 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 47.508 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 43.913 ms
Loss rate: 0.14%

Run 7: Report of Vivace-latency — Data Link

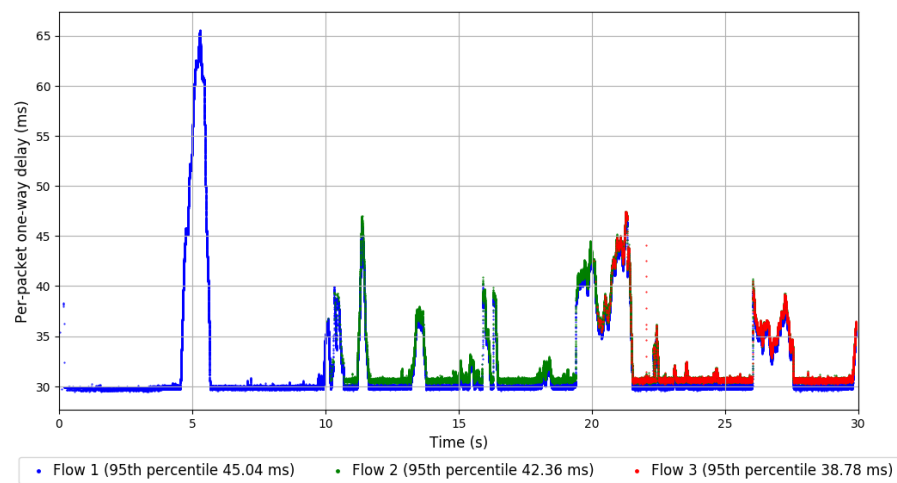
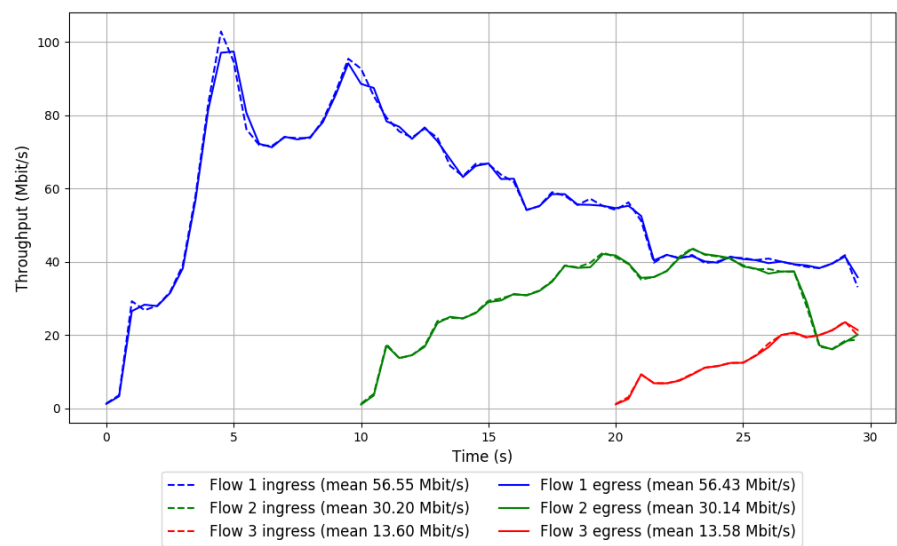


Run 8: Statistics of Vivace-latency

Start at: 2018-02-01 05:14:28
End at: 2018-02-01 05:14:58
Local clock offset: 0.888 ms
Remote clock offset: -4.186 ms

Below is generated by plot.py at 2018-02-01 07:12:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 43.564 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 45.036 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 42.359 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 38.785 ms
Loss rate: 0.17%

Run 8: Report of Vivace-latency — Data Link

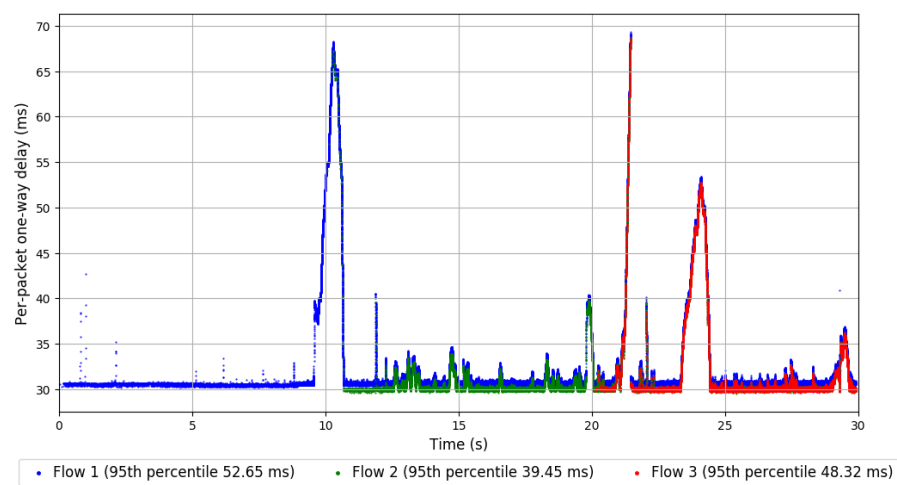
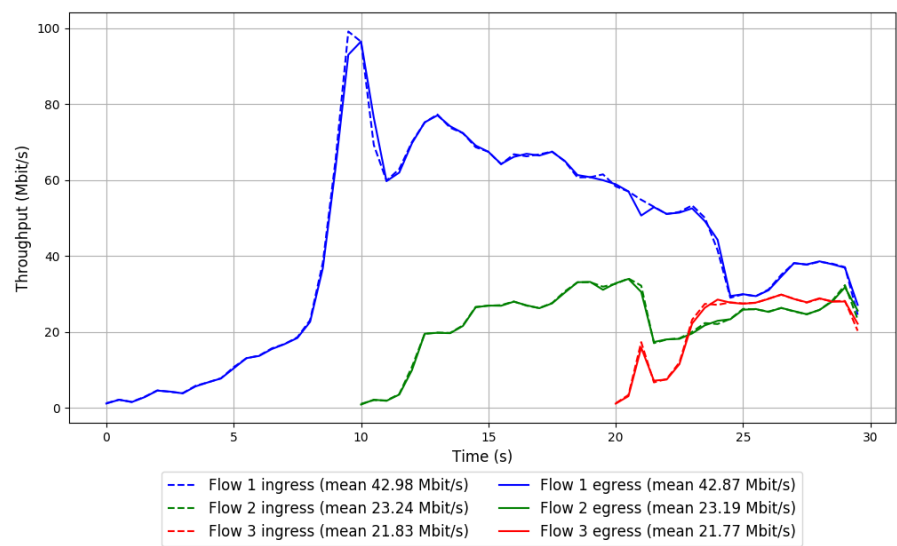


Run 9: Statistics of Vivace-latency

Start at: 2018-02-01 05:42:38
End at: 2018-02-01 05:43:08
Local clock offset: 0.794 ms
Remote clock offset: -2.958 ms

Below is generated by plot.py at 2018-02-01 07:12:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.45 Mbit/s
95th percentile per-packet one-way delay: 49.523 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 52.652 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 39.451 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 21.77 Mbit/s
95th percentile per-packet one-way delay: 48.322 ms
Loss rate: 0.25%

Run 9: Report of Vivace-latency — Data Link

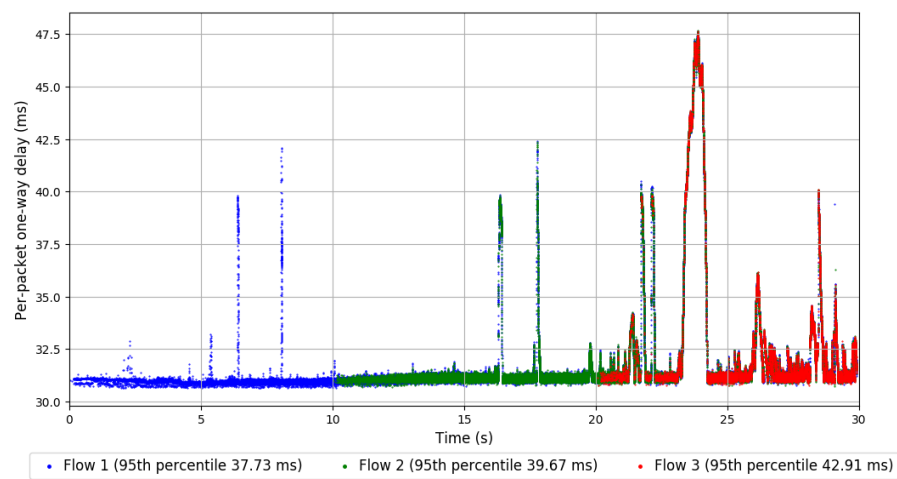
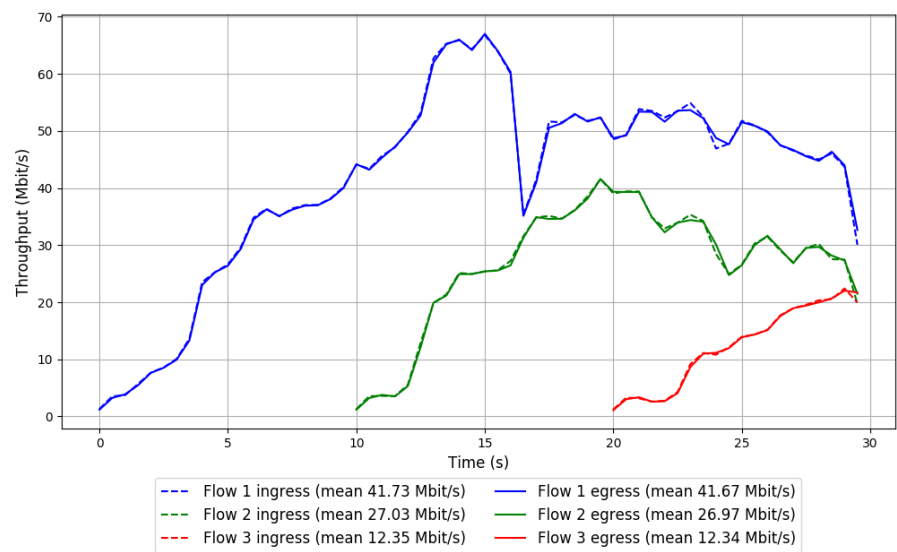


Run 10: Statistics of Vivace-latency

Start at: 2018-02-01 06:11:03
End at: 2018-02-01 06:11:33
Local clock offset: 0.883 ms
Remote clock offset: -1.283 ms

Below is generated by plot.py at 2018-02-01 07:12:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 38.975 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 37.731 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 39.667 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 42.915 ms
Loss rate: 0.08%

Run 10: Report of Vivace-latency — Data Link

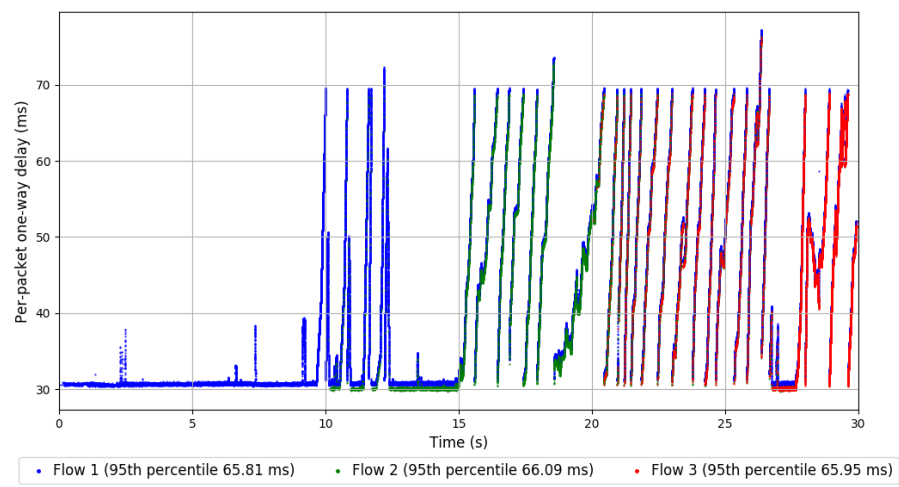
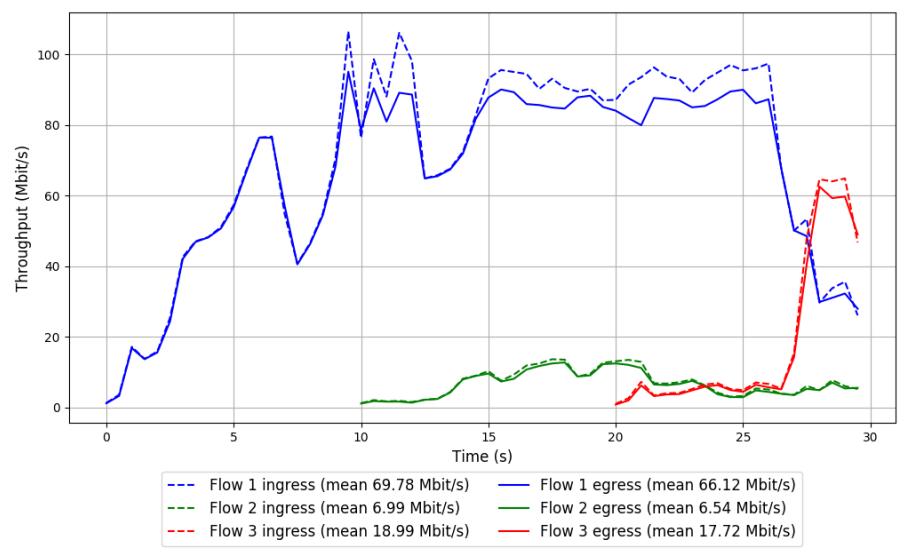


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-01 01:56:28
End at: 2018-02-01 01:56:58
Local clock offset: 1.33 ms
Remote clock offset: -1.664 ms

# Below is generated by plot.py at 2018-02-01 07:12:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 65.846 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 65.813 ms
Loss rate: 5.18%
-- Flow 2:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 66.090 ms
Loss rate: 6.40%
-- Flow 3:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 65.951 ms
Loss rate: 6.70%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-01 02:23:05

End at: 2018-02-01 02:23:35

Local clock offset: 1.173 ms

Remote clock offset: -1.67 ms

Below is generated by plot.py at 2018-02-01 07:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.09 Mbit/s

95th percentile per-packet one-way delay: 63.774 ms

Loss rate: 4.65%

-- Flow 1:

Average throughput: 53.24 Mbit/s

95th percentile per-packet one-way delay: 63.053 ms

Loss rate: 4.30%

-- Flow 2:

Average throughput: 31.21 Mbit/s

95th percentile per-packet one-way delay: 65.000 ms

Loss rate: 5.26%

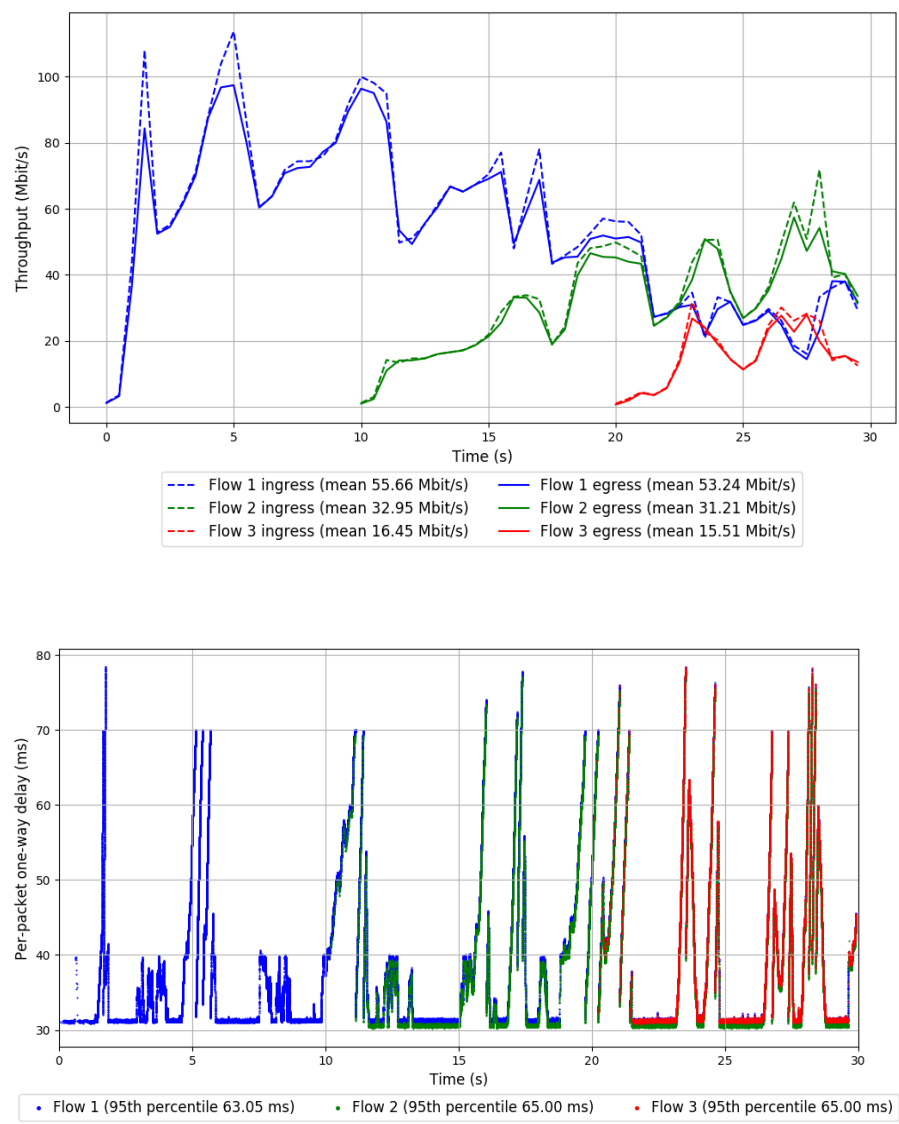
-- Flow 3:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 65.001 ms

Loss rate: 5.85%

Run 2: Report of Vivace-loss — Data Link

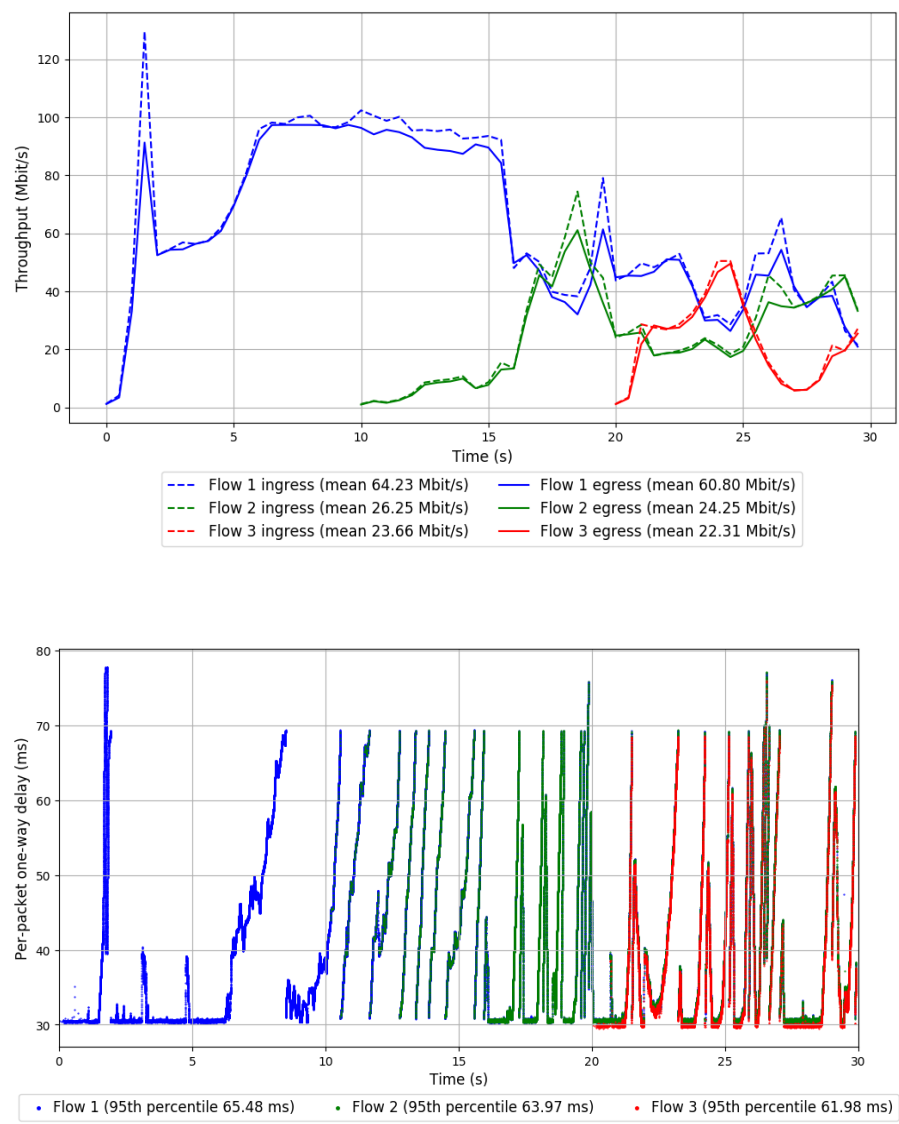


Run 3: Statistics of Vivace-loss

Start at: 2018-02-01 02:48:17
End at: 2018-02-01 02:48:47
Local clock offset: 1.216 ms
Remote clock offset: -2.403 ms

Below is generated by plot.py at 2018-02-01 07:12:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.28 Mbit/s
95th percentile per-packet one-way delay: 64.984 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 60.80 Mbit/s
95th percentile per-packet one-way delay: 65.485 ms
Loss rate: 5.31%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 63.974 ms
Loss rate: 7.64%
-- Flow 3:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 61.978 ms
Loss rate: 5.62%

Run 3: Report of Vivace-loss — Data Link

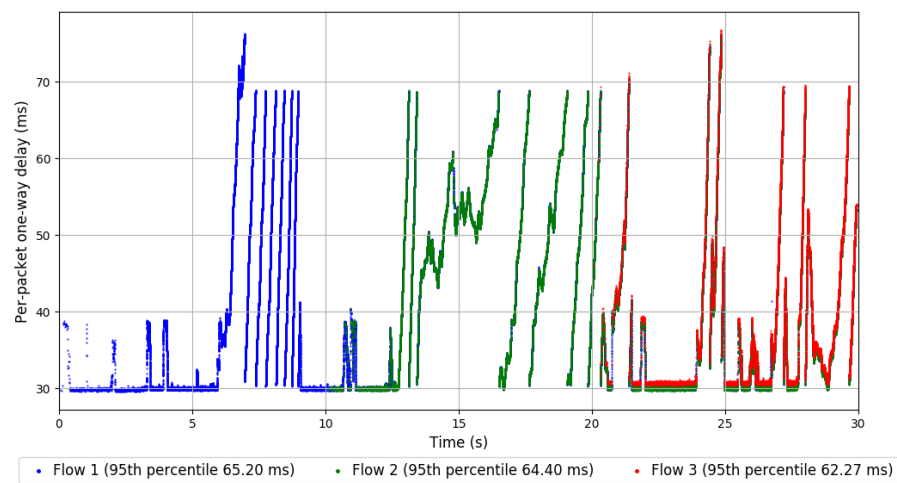
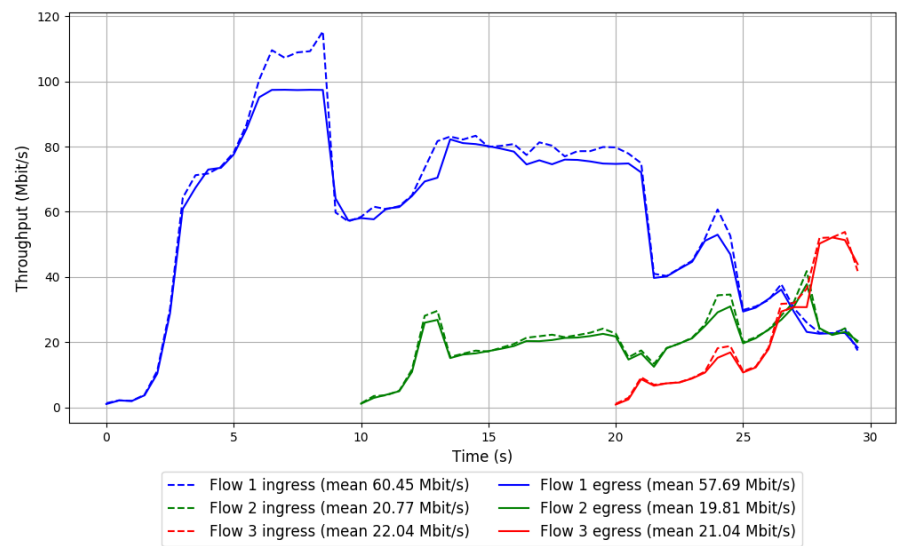


Run 4: Statistics of Vivace-loss

Start at: 2018-02-01 03:13:47
End at: 2018-02-01 03:14:17
Local clock offset: 1.058 ms
Remote clock offset: -2.983 ms

Below is generated by plot.py at 2018-02-01 07:13:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 64.887 ms
Loss rate: 4.49%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 65.197 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 19.81 Mbit/s
95th percentile per-packet one-way delay: 64.403 ms
Loss rate: 4.50%
-- Flow 3:
Average throughput: 21.04 Mbit/s
95th percentile per-packet one-way delay: 62.267 ms
Loss rate: 4.47%

Run 4: Report of Vivace-loss — Data Link

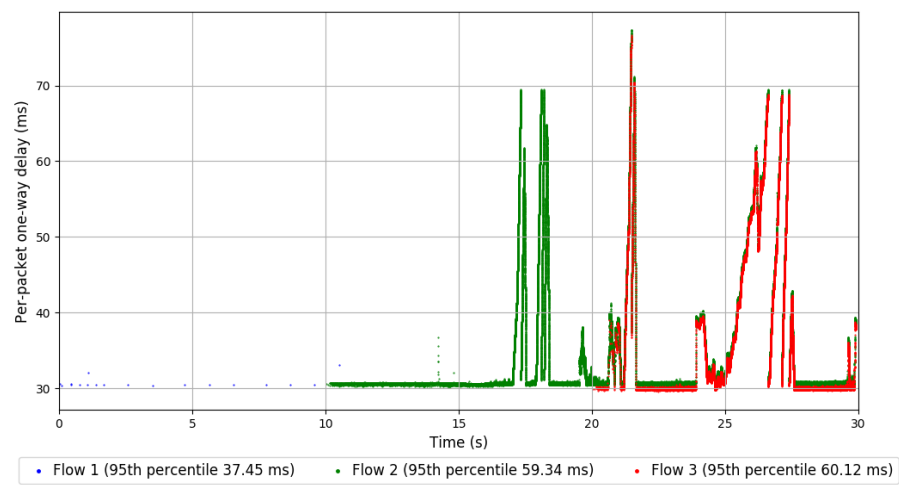
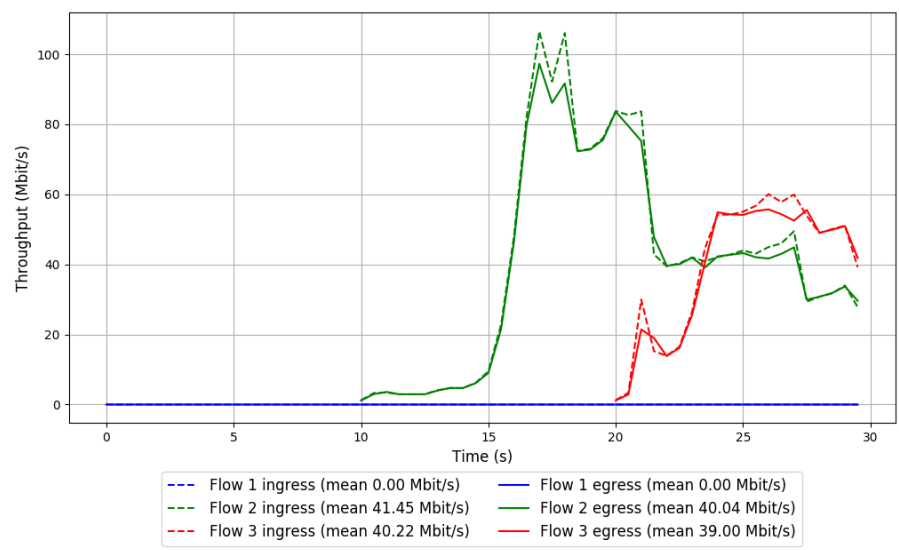


Run 5: Statistics of Vivace-loss

Start at: 2018-02-01 03:45:38
End at: 2018-02-01 03:46:08
Local clock offset: 0.915 ms
Remote clock offset: -3.782 ms

Below is generated by plot.py at 2018-02-01 07:13:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 59.570 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 37.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 59.341 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 60.120 ms
Loss rate: 2.98%

Run 5: Report of Vivace-loss — Data Link

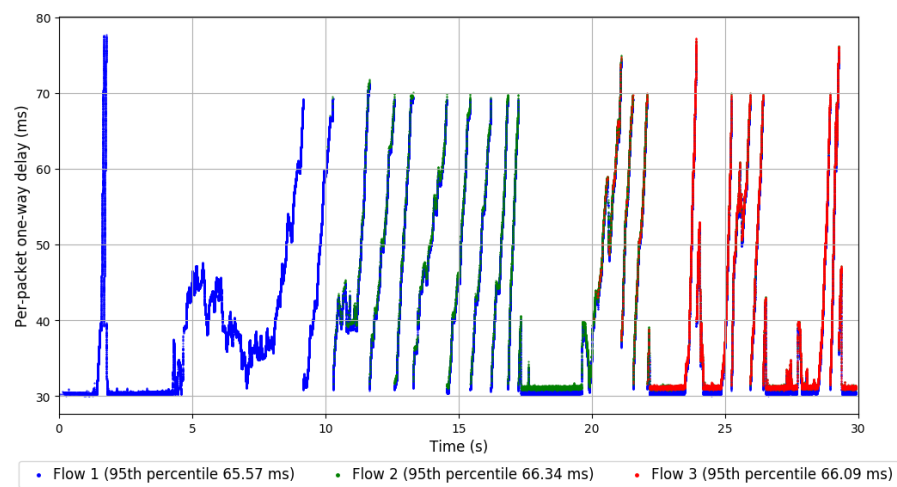
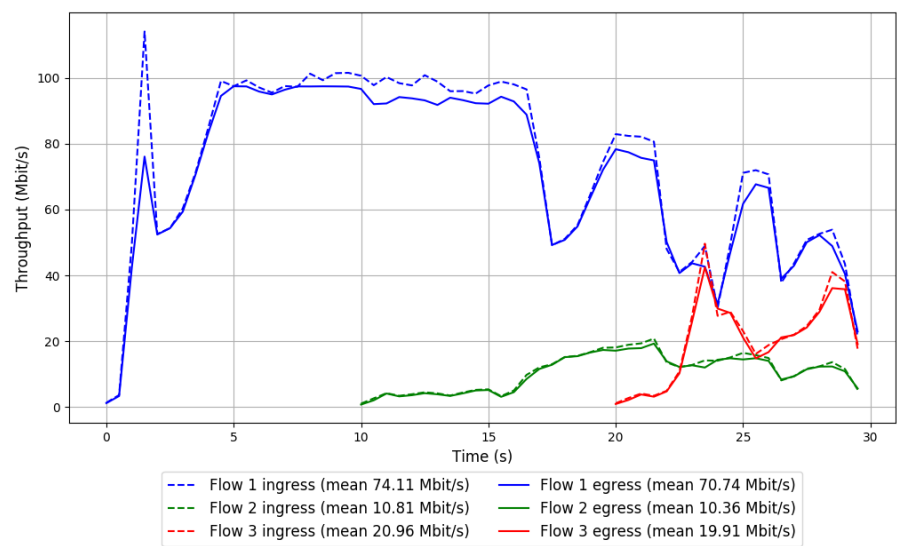


Run 6: Statistics of Vivace-loss

Start at: 2018-02-01 04:16:28
End at: 2018-02-01 04:16:58
Local clock offset: 0.989 ms
Remote clock offset: -3.865 ms

Below is generated by plot.py at 2018-02-01 07:13:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 65.703 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 65.570 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 66.345 ms
Loss rate: 4.39%
-- Flow 3:
Average throughput: 19.91 Mbit/s
95th percentile per-packet one-way delay: 66.092 ms
Loss rate: 5.08%

Run 6: Report of Vivace-loss — Data Link

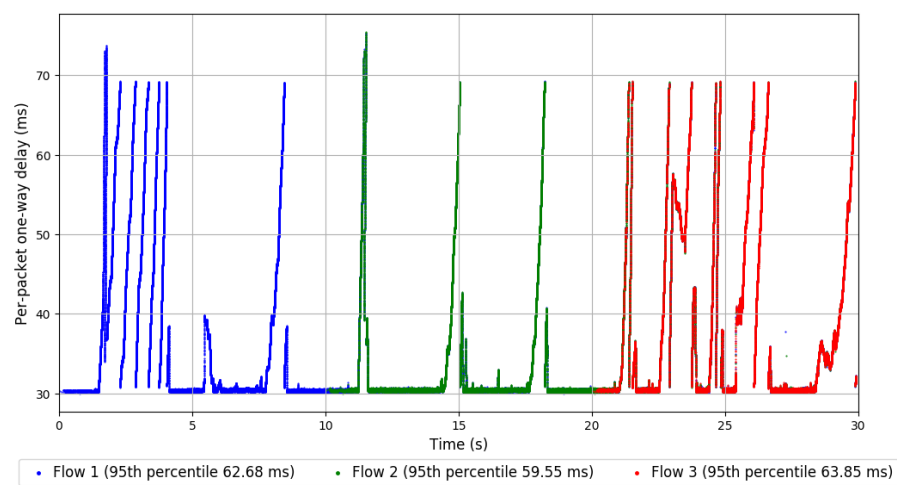
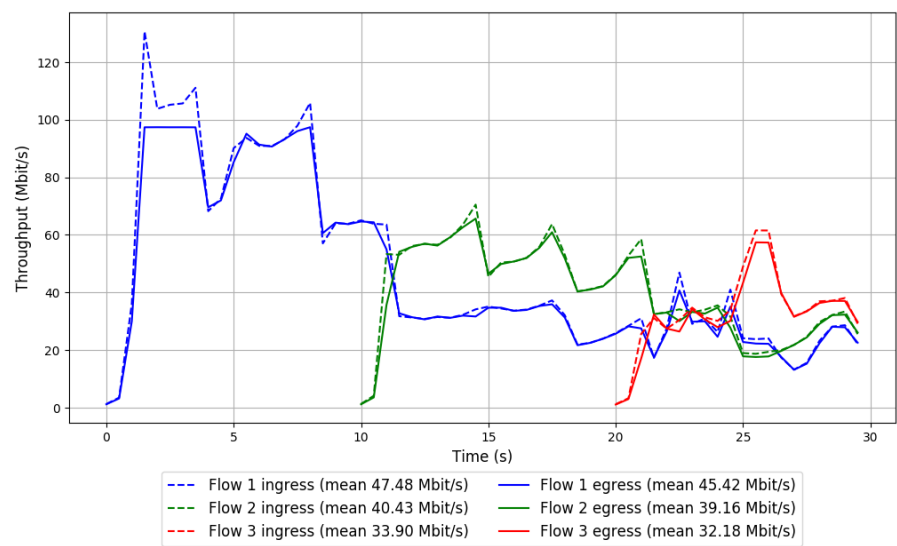


Run 7: Statistics of Vivace-loss

Start at: 2018-02-01 04:43:37
End at: 2018-02-01 04:44:07
Local clock offset: 0.975 ms
Remote clock offset: -4.024 ms

Below is generated by plot.py at 2018-02-01 07:13:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 62.280 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 62.683 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 59.552 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 63.847 ms
Loss rate: 5.05%

Run 7: Report of Vivace-loss — Data Link

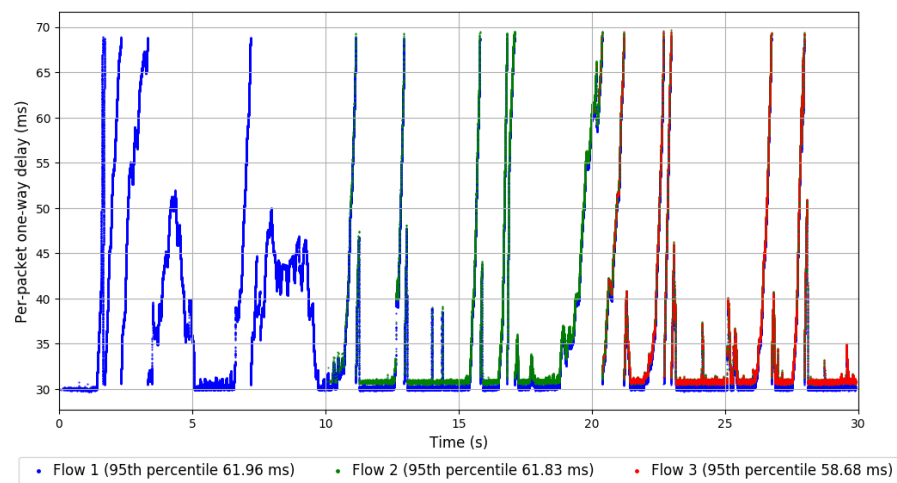
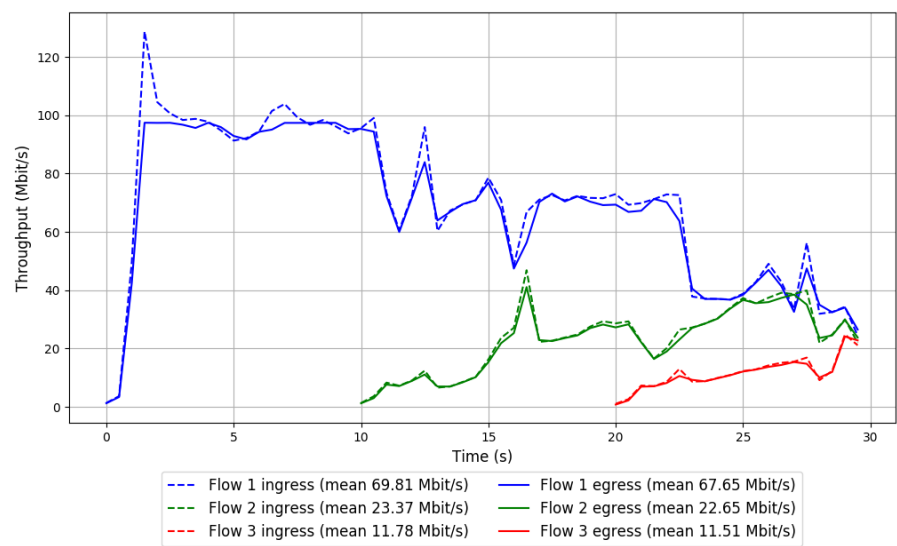


Run 8: Statistics of Vivace-loss

Start at: 2018-02-01 05:11:25
End at: 2018-02-01 05:11:55
Local clock offset: 0.908 ms
Remote clock offset: -4.071 ms

Below is generated by plot.py at 2018-02-01 07:13:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 61.814 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 67.65 Mbit/s
95th percentile per-packet one-way delay: 61.958 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 61.829 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 58.681 ms
Loss rate: 2.53%

Run 8: Report of Vivace-loss — Data Link

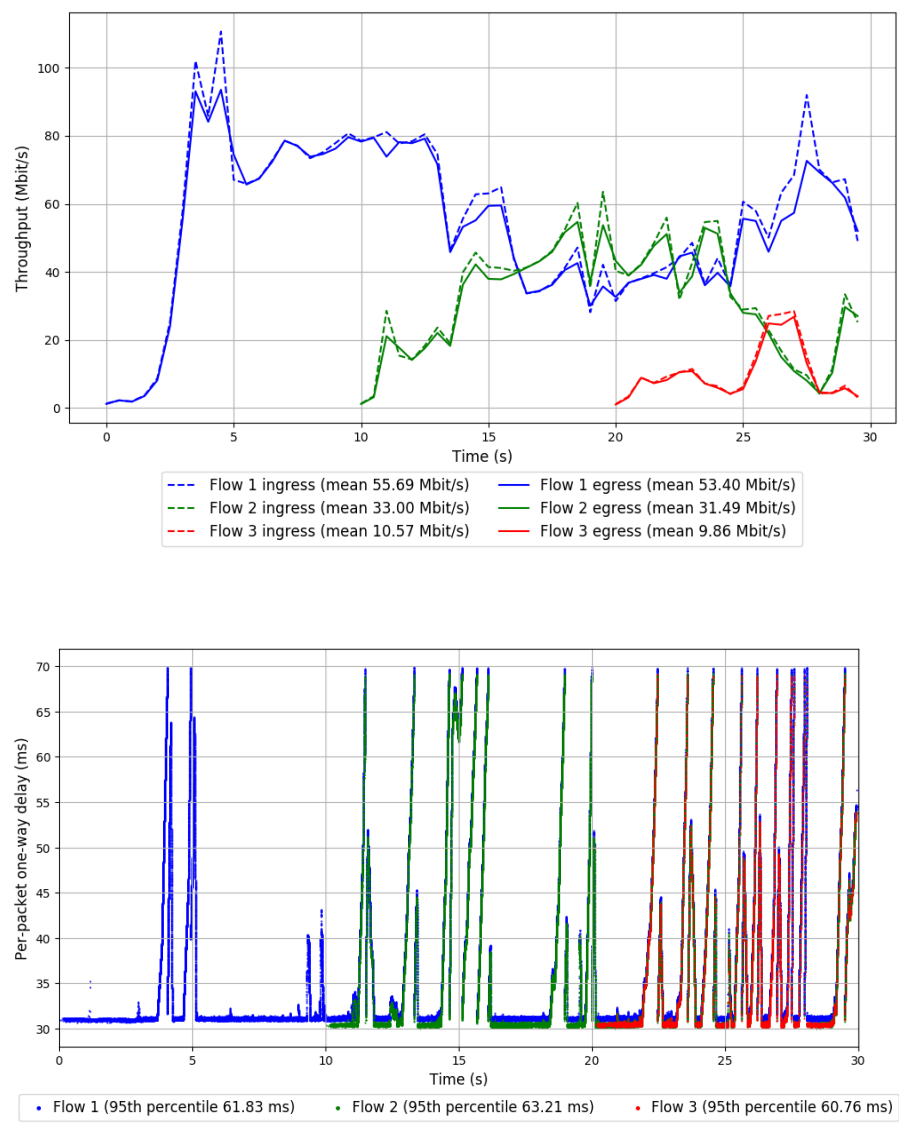


Run 9: Statistics of Vivace-loss

Start at: 2018-02-01 05:39:40
End at: 2018-02-01 05:40:10
Local clock offset: 0.8 ms
Remote clock offset: -2.638 ms

Below is generated by plot.py at 2018-02-01 07:13:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.60 Mbit/s
95th percentile per-packet one-way delay: 62.362 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 61.834 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 63.214 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 60.762 ms
Loss rate: 6.66%

Run 9: Report of Vivace-loss — Data Link

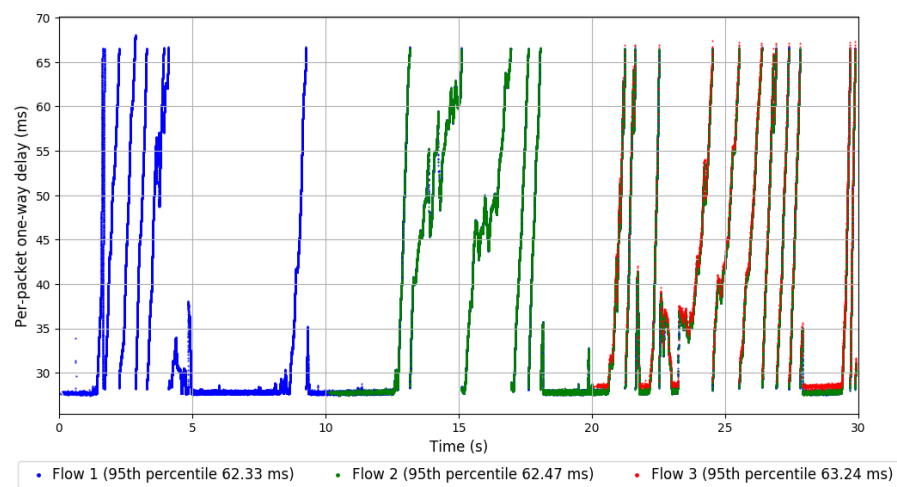
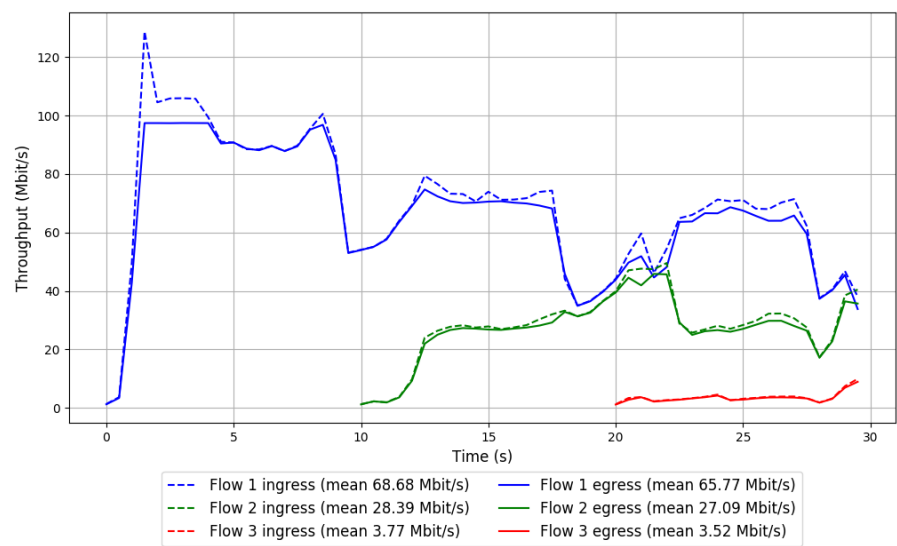


Run 10: Statistics of Vivace-loss

Start at: 2018-02-01 06:07:57
End at: 2018-02-01 06:08:27
Local clock offset: 0.87 ms
Remote clock offset: -3.891 ms

Below is generated by plot.py at 2018-02-01 07:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.95 Mbit/s
95th percentile per-packet one-way delay: 62.357 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 62.325 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 62.468 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 63.238 ms
Loss rate: 6.41%

Run 10: Report of Vivace-loss — Data Link

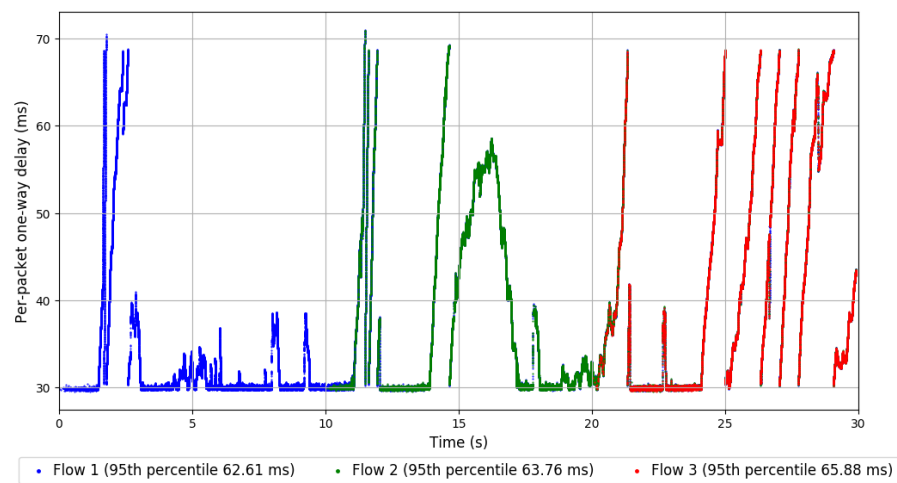
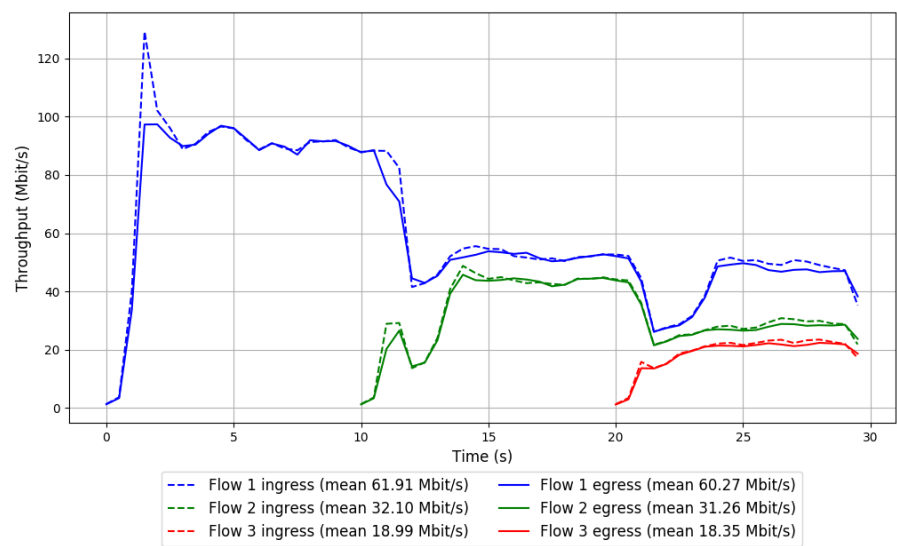


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-01 01:45:04
End at: 2018-02-01 01:45:34
Local clock offset: 1.462 ms
Remote clock offset: -1.384 ms

Below is generated by plot.py at 2018-02-01 07:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 63.447 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 62.610 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 63.759 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 65.881 ms
Loss rate: 3.27%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-01 02:11:25

End at: 2018-02-01 02:11:55

Local clock offset: 1.235 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2018-02-01 07:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.50 Mbit/s

95th percentile per-packet one-way delay: 55.190 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 43.19 Mbit/s

95th percentile per-packet one-way delay: 51.654 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 30.54 Mbit/s

95th percentile per-packet one-way delay: 57.988 ms

Loss rate: 1.46%

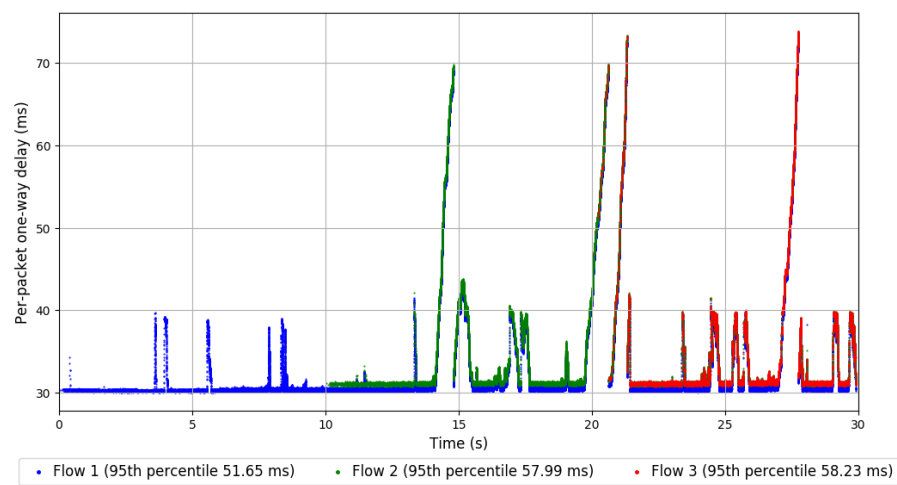
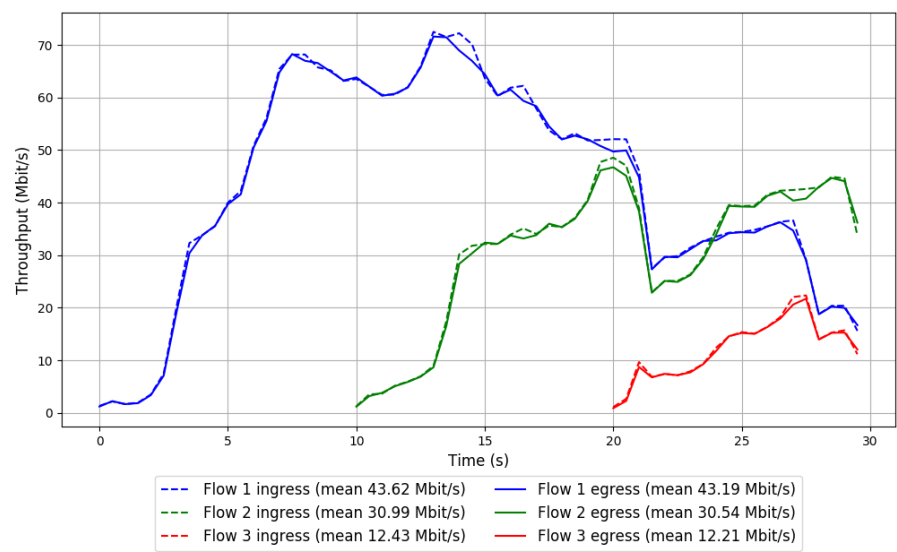
-- Flow 3:

Average throughput: 12.21 Mbit/s

95th percentile per-packet one-way delay: 58.225 ms

Loss rate: 1.90%

Run 2: Report of Vivace-LTE — Data Link

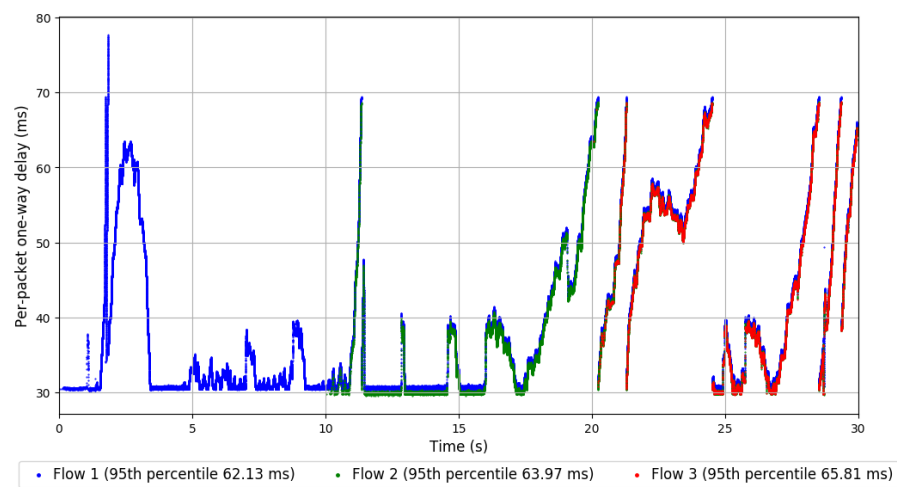
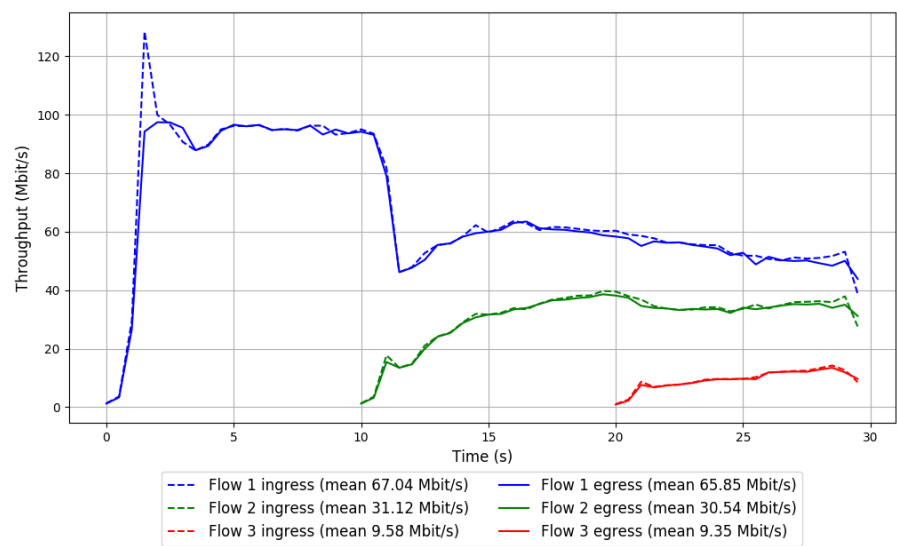


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-01 02:37:17
End at: 2018-02-01 02:37:47
Local clock offset: 1.151 ms
Remote clock offset: -2.376 ms

Below is generated by plot.py at 2018-02-01 07:14:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 62.722 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 62.126 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 63.966 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 65.811 ms
Loss rate: 2.38%

Run 3: Report of Vivace-LTE — Data Link

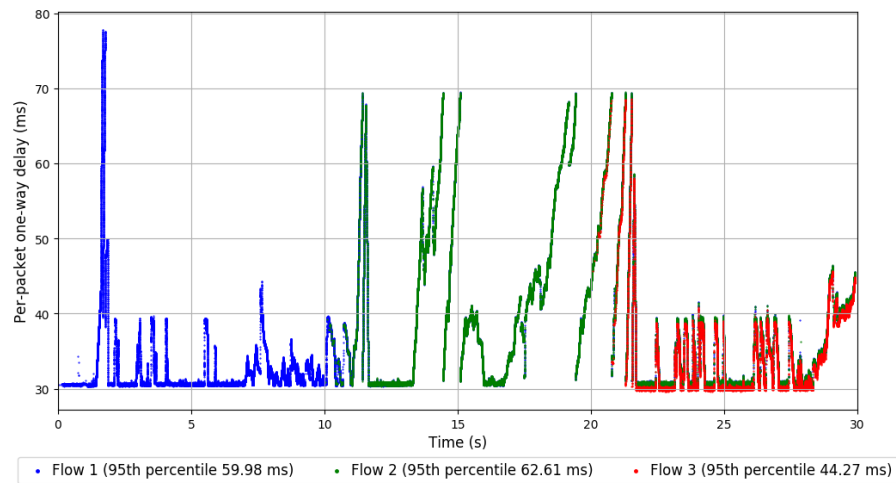
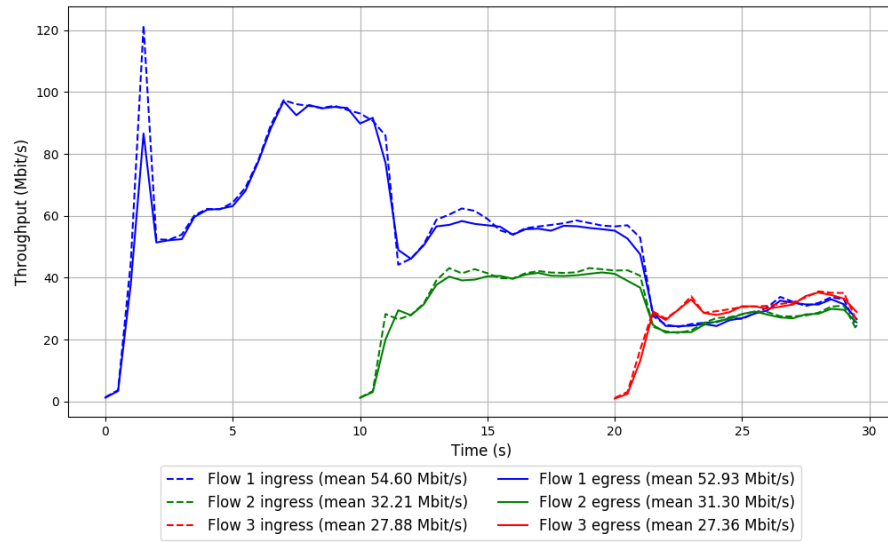


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-01 03:02:04
End at: 2018-02-01 03:02:34
Local clock offset: 1.185 ms
Remote clock offset: -2.453 ms

Below is generated by plot.py at 2018-02-01 07:14:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: 60.317 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 52.93 Mbit/s
95th percentile per-packet one-way delay: 59.981 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 62.611 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 44.268 ms
Loss rate: 1.90%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-02-01 03:32:08

End at: 2018-02-01 03:32:38

Local clock offset: 1.061 ms

Remote clock offset: -3.49 ms

Below is generated by plot.py at 2018-02-01 07:14:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.70 Mbit/s

95th percentile per-packet one-way delay: 43.426 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 43.185 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 25.59 Mbit/s

95th percentile per-packet one-way delay: 39.434 ms

Loss rate: 0.81%

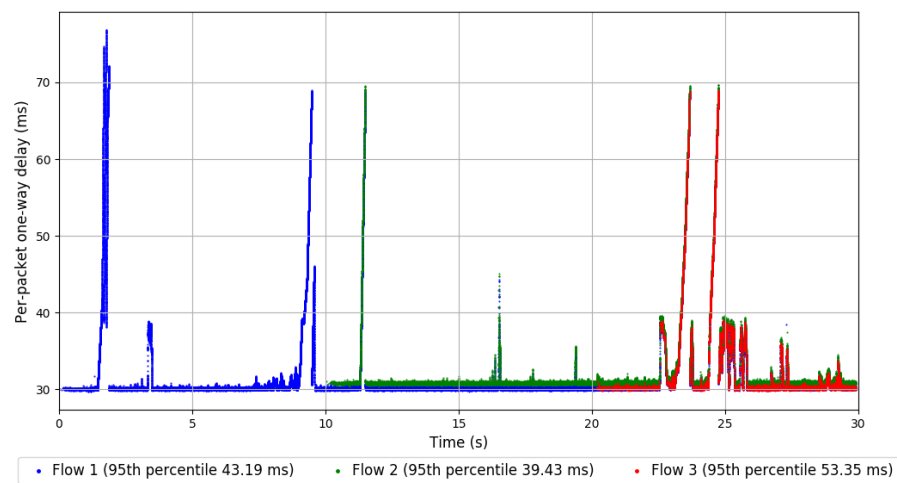
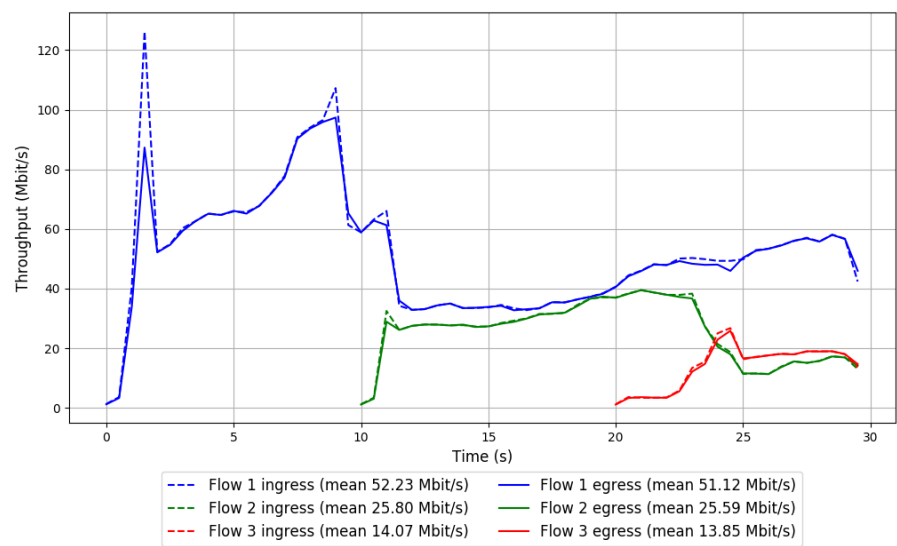
-- Flow 3:

Average throughput: 13.85 Mbit/s

95th percentile per-packet one-way delay: 53.351 ms

Loss rate: 1.57%

Run 5: Report of Vivace-LTE — Data Link

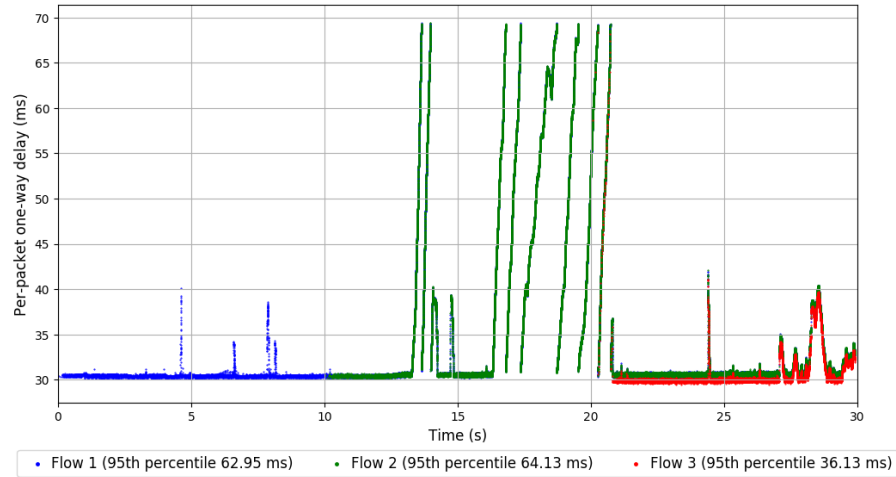
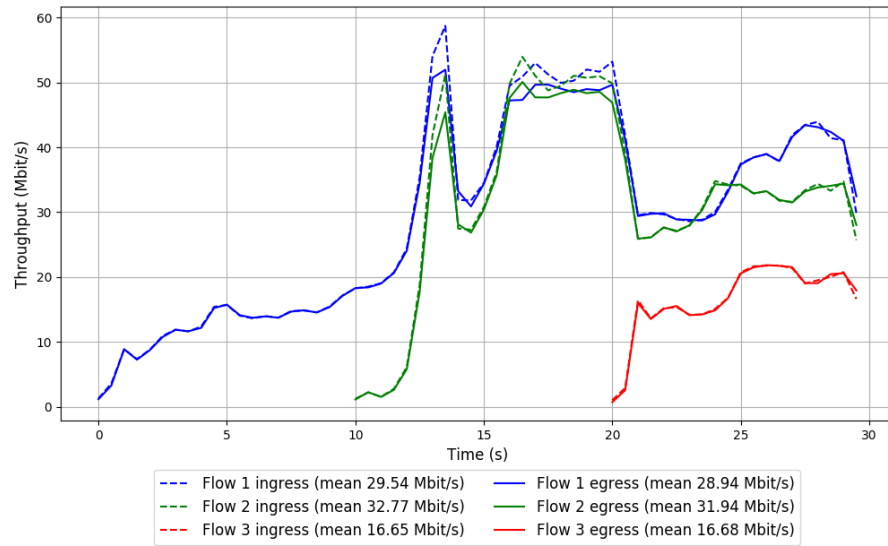


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-01 04:02:43
End at: 2018-02-01 04:03:13
Local clock offset: 0.959 ms
Remote clock offset: -4.329 ms

Below is generated by plot.py at 2018-02-01 07:14:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 63.076 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 62.953 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 36.132 ms
Loss rate: 0.11%

Run 6: Report of Vivace-LTE — Data Link

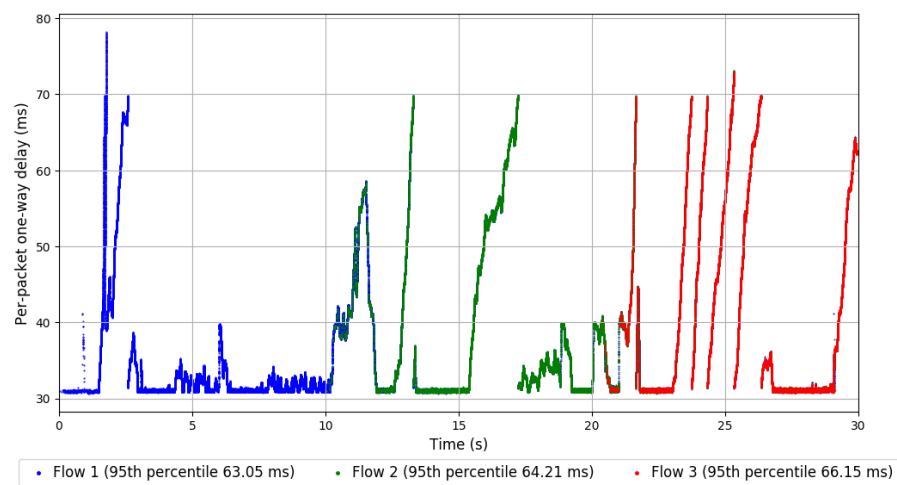
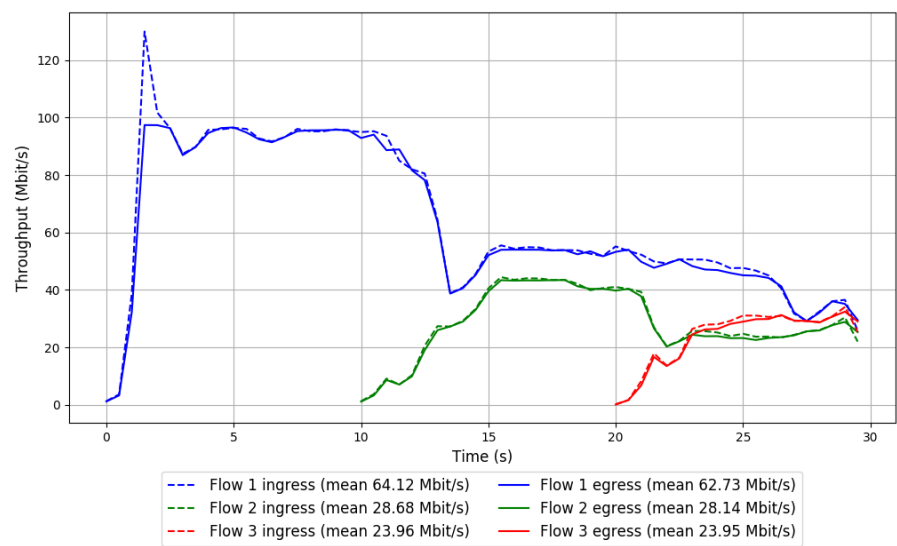


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-01 04:31:17
End at: 2018-02-01 04:31:47
Local clock offset: 0.97 ms
Remote clock offset: -4.143 ms

Below is generated by plot.py at 2018-02-01 07:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 63.762 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 63.051 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 64.207 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 66.153 ms
Loss rate: 2.42%

Run 7: Report of Vivace-LTE — Data Link

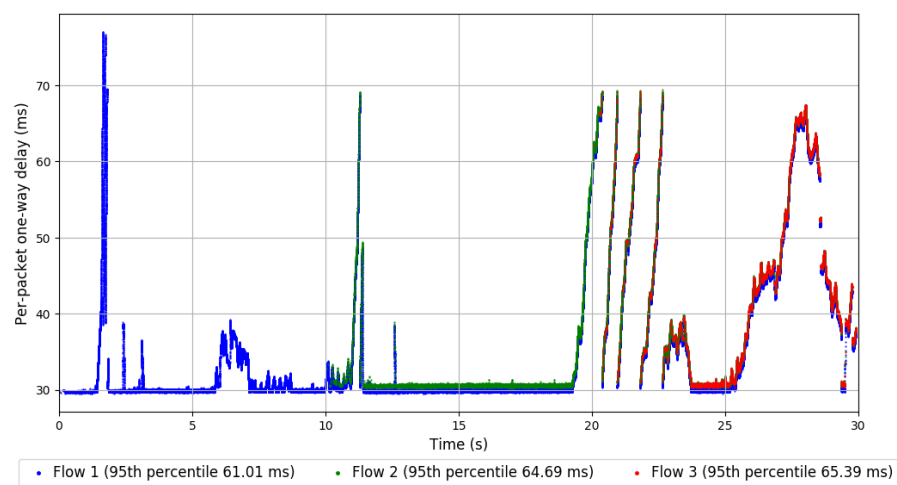
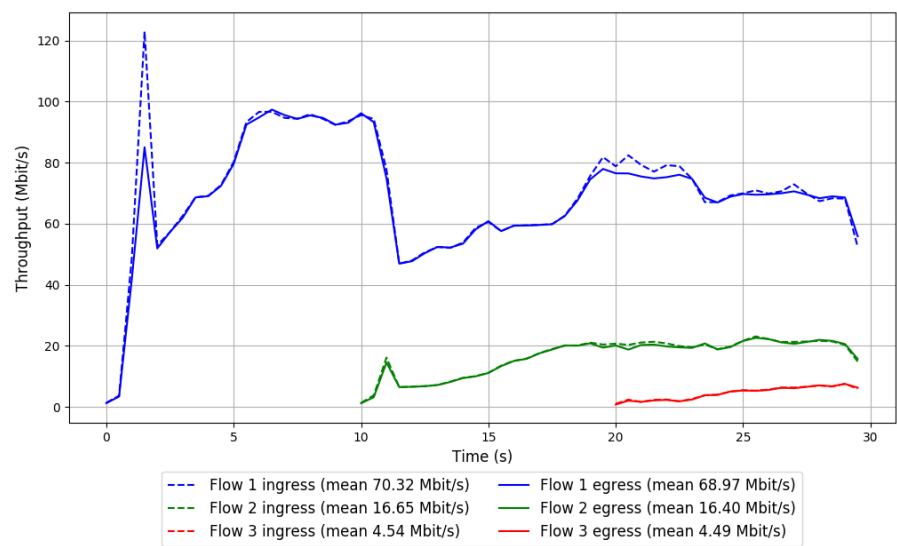


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-01 04:59:21
End at: 2018-02-01 04:59:51
Local clock offset: 0.976 ms
Remote clock offset: -4.418 ms

Below is generated by plot.py at 2018-02-01 07:15:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 61.696 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 61.014 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 64.692 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 65.386 ms
Loss rate: 1.39%

Run 8: Report of Vivace-LTE — Data Link

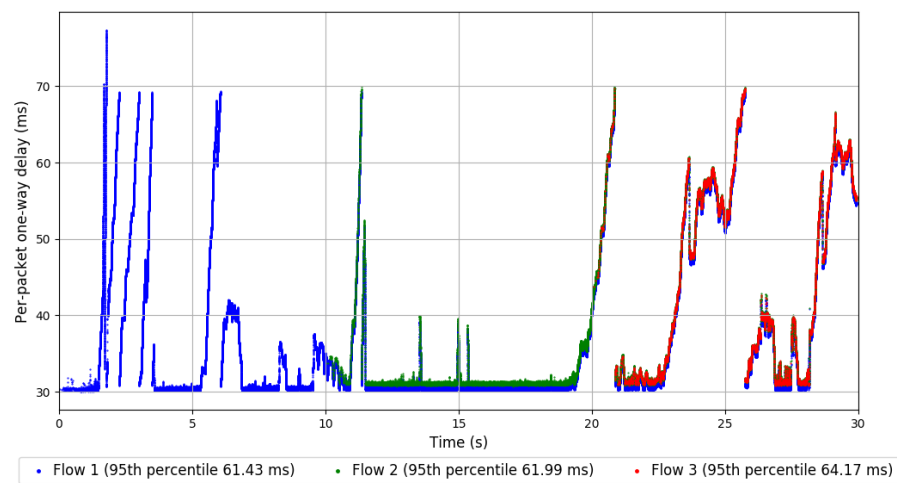
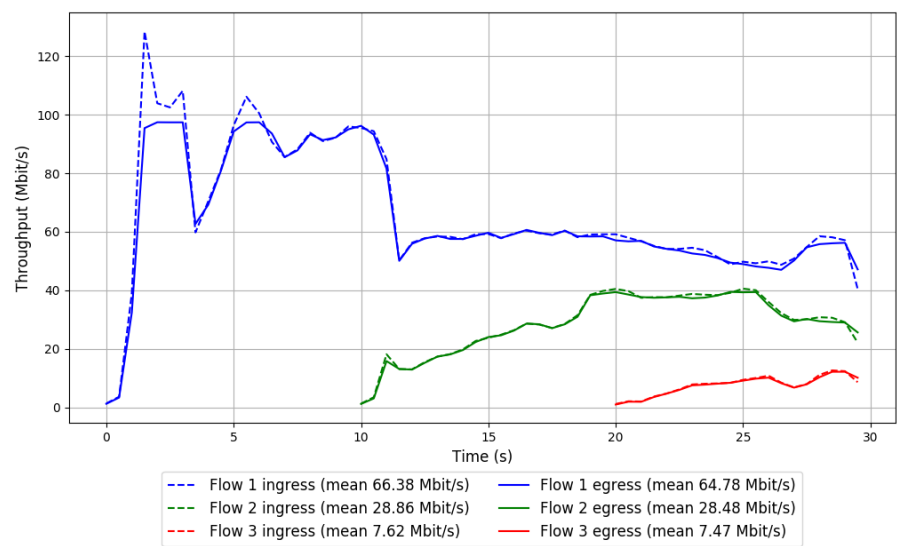


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-01 05:27:04
End at: 2018-02-01 05:27:34
Local clock offset: 0.89 ms
Remote clock offset: -3.118 ms

Below is generated by plot.py at 2018-02-01 07:15:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 61.718 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 61.426 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 61.995 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 64.171 ms
Loss rate: 1.95%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-01 05:55:31
End at: 2018-02-01 05:56:01
Local clock offset: 0.804 ms
Remote clock offset: -1.667 ms

Below is generated by plot.py at 2018-02-01 07:15:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 56.217 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 50.814 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 59.062 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 64.922 ms
Loss rate: 1.89%

Run 10: Report of Vivace-LTE — Data Link

