

Pantheon Report

Generated at 2018-01-10 07:01:40 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

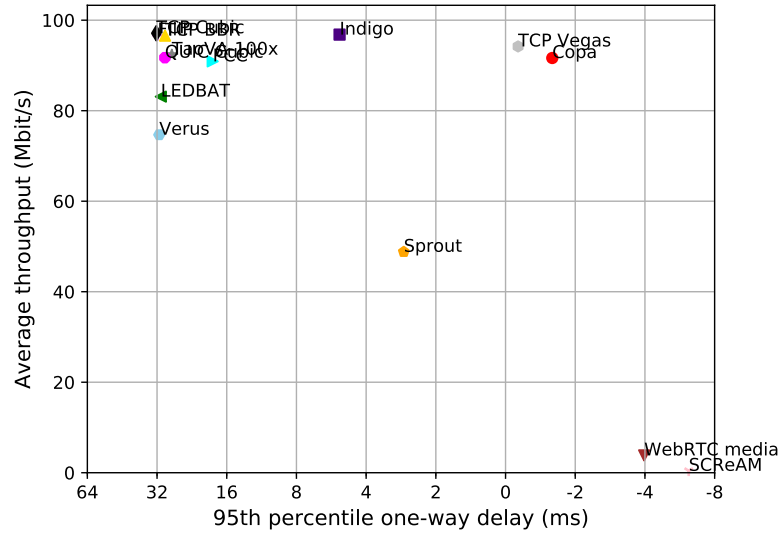
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

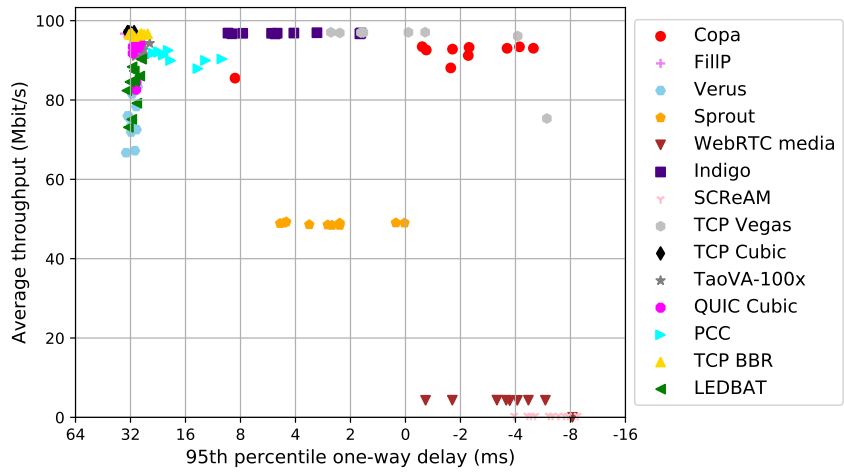
Git summary:

```
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



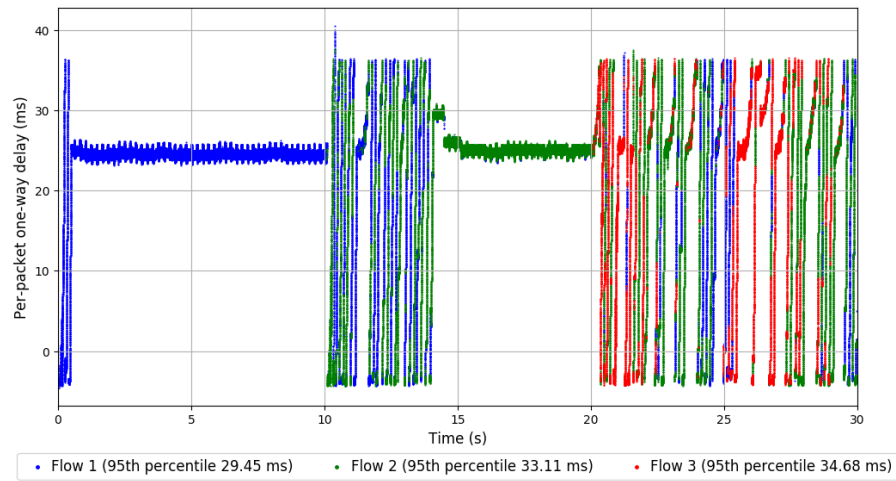
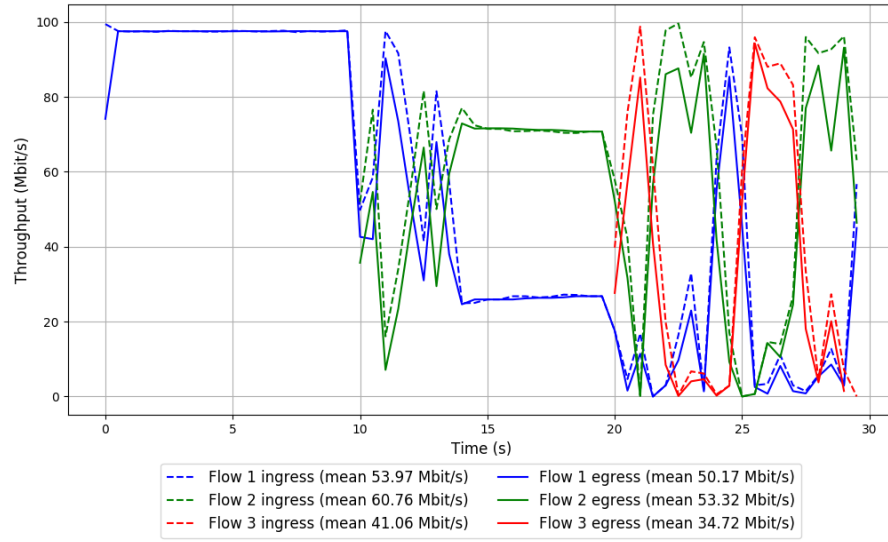
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.99	47.19	25.08	26.90	30.52	31.96	5.48	11.00	19.53
TCP Cubic	4	71.47	30.51	16.18	32.07	32.41	32.31	0.74	0.90	0.90
LEDBAT	10	51.58	35.84	24.23	30.58	31.00	31.27	0.35	0.49	0.88
PCC	9	78.97	12.99	10.06	17.79	20.19	21.04	1.08	1.16	0.73
QUIC Cubic	10	62.46	33.81	20.85	29.44	29.79	29.92	1.83	2.22	2.22
SCReAM	10	0.21	0.21	0.22	-6.20	-6.18	-6.18	0.00	0.00	0.00
WebRTC media	9	2.07	1.31	0.45	-4.29	-4.12	-2.92	0.03	0.00	0.04
Sprout	10	24.59	24.46	24.10	2.44	2.69	3.41	0.00	0.01	0.00
TaoVA-100x	9	58.62	40.43	28.57	25.40	28.81	30.08	8.13	16.28	20.82
TCP Vegas	8	54.97	40.42	39.32	588.03	-3.63	-4.24	0.13	0.00	0.00
Verus	10	46.10	32.81	21.12	30.64	31.86	31.82	31.63	40.43	42.54
Copa	10	58.96	38.30	28.54	-2.07	-0.72	-0.34	0.00	0.00	0.00
FillP	10	51.87	41.71	49.43	31.71	31.93	32.27	30.03	33.43	37.59
Indigo	10	61.78	34.34	37.40	3.84	6.58	11.39	0.02	0.03	0.04

Run 1: Statistics of TCP BBR

Start at: 2018-01-10 02:49:54
End at: 2018-01-10 02:50:24
Local clock offset: 1.982 ms
Remote clock offset: -15.335 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 32.567 ms
Loss rate: 10.44%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 29.452 ms
Loss rate: 7.01%
-- Flow 2:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 12.35%
-- Flow 3:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 34.680 ms
Loss rate: 18.46%

Run 1: Report of TCP BBR — Data Link

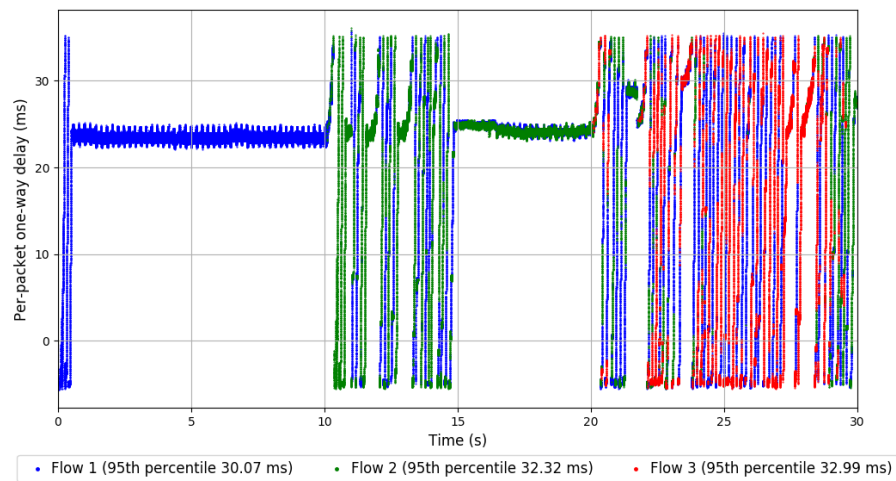
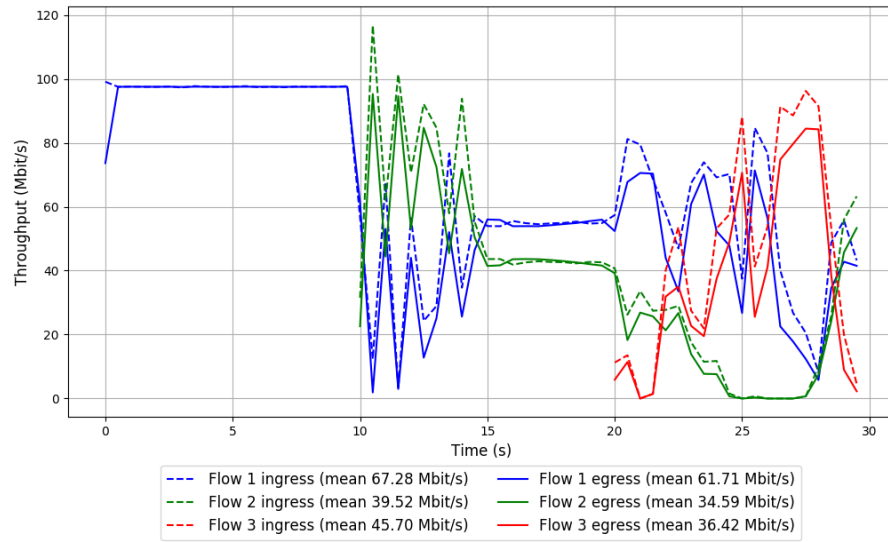


Run 2: Statistics of TCP BBR

Start at: 2018-01-10 03:08:05
End at: 2018-01-10 03:08:35
Local clock offset: 2.73 ms
Remote clock offset: -14.83 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.80 Mbit/s
95th percentile per-packet one-way delay: 31.599 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 61.71 Mbit/s
95th percentile per-packet one-way delay: 30.073 ms
Loss rate: 8.18%
-- Flow 2:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 32.320 ms
Loss rate: 12.44%
-- Flow 3:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 32.990 ms
Loss rate: 20.29%

Run 2: Report of TCP BBR — Data Link

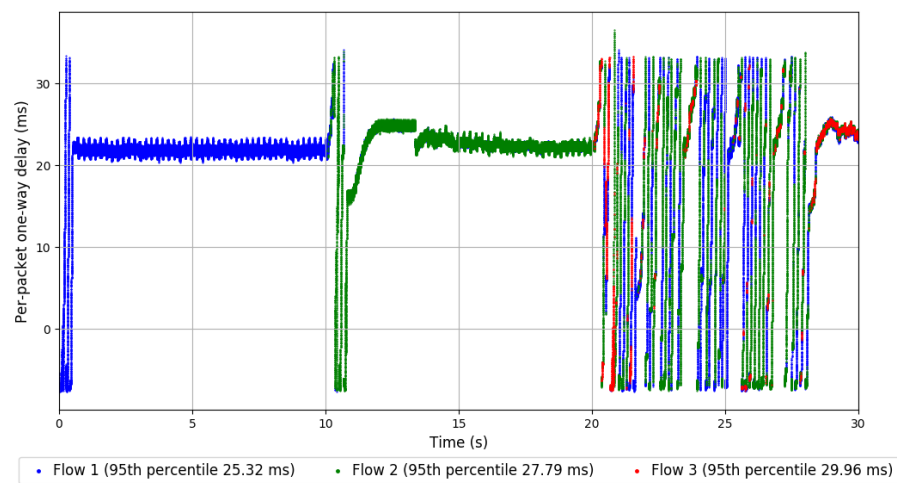
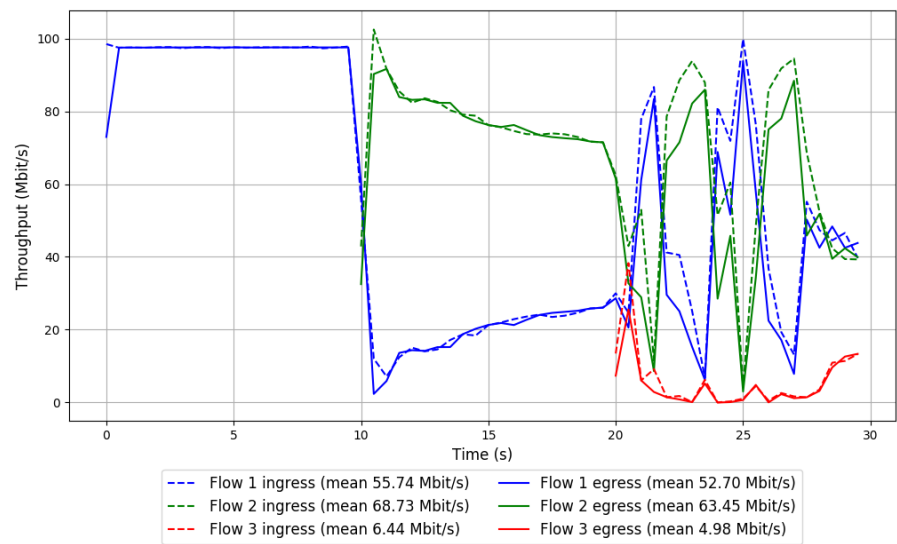


Run 3: Statistics of TCP BBR

Start at: 2018-01-10 03:25:52
End at: 2018-01-10 03:26:22
Local clock offset: 5.129 ms
Remote clock offset: -15.35 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 26.997 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 52.70 Mbit/s
95th percentile per-packet one-way delay: 25.319 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 27.794 ms
Loss rate: 7.68%
-- Flow 3:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 29.965 ms
Loss rate: 22.67%

Run 3: Report of TCP BBR — Data Link

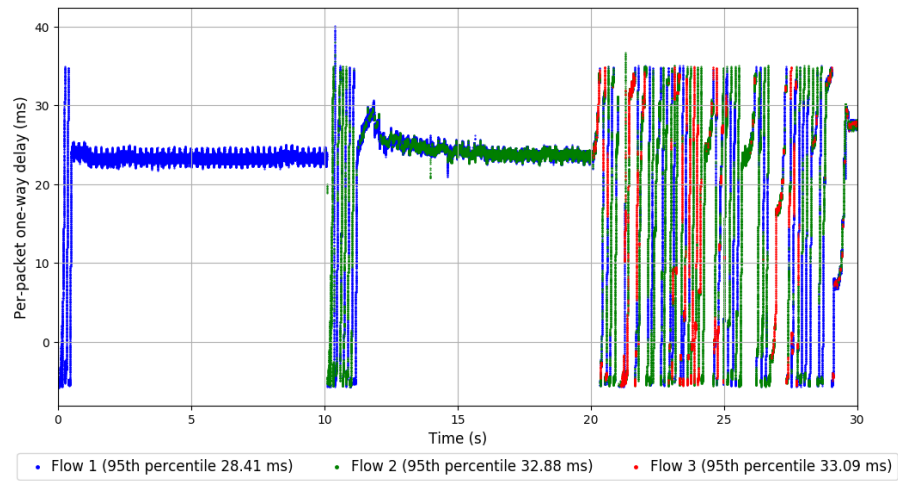
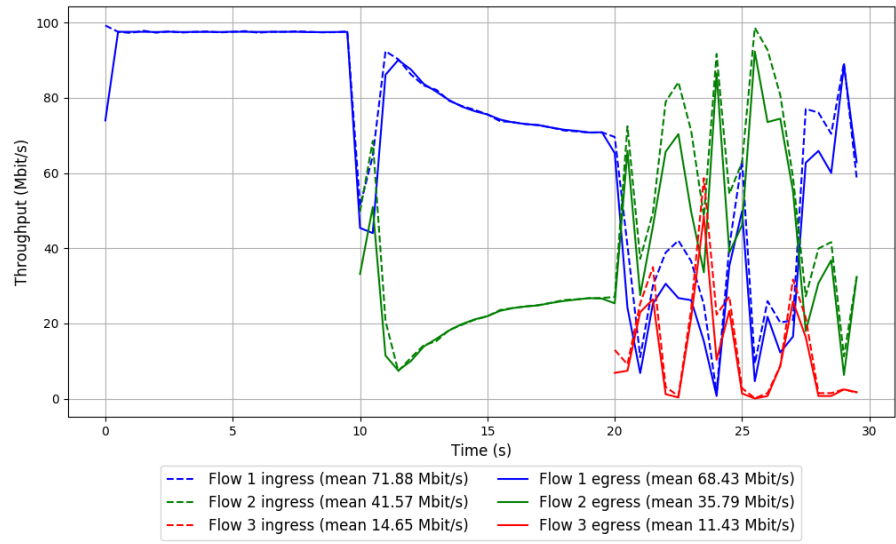


Run 4: Statistics of TCP BBR

Start at: 2018-01-10 03:43:48
End at: 2018-01-10 03:44:18
Local clock offset: 1.248 ms
Remote clock offset: -16.723 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.476 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 28.406 ms
Loss rate: 4.70%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 32.876 ms
Loss rate: 13.91%
-- Flow 3:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 33.092 ms
Loss rate: 21.94%

Run 4: Report of TCP BBR — Data Link

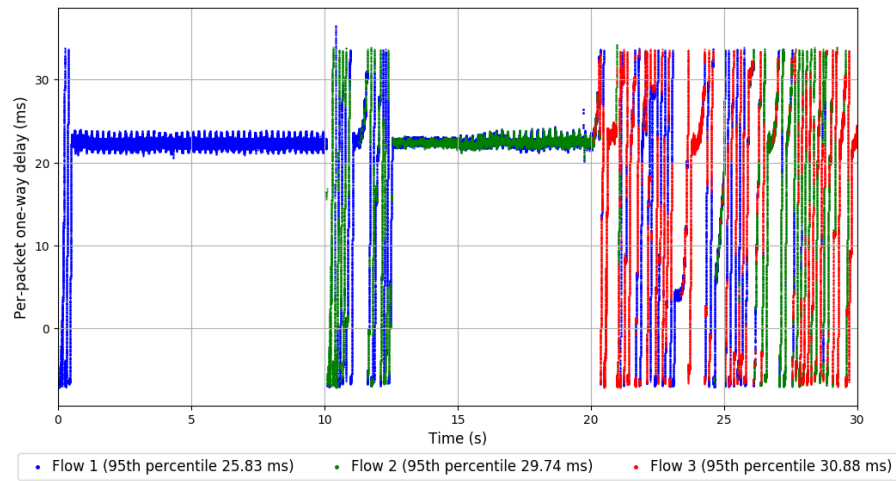
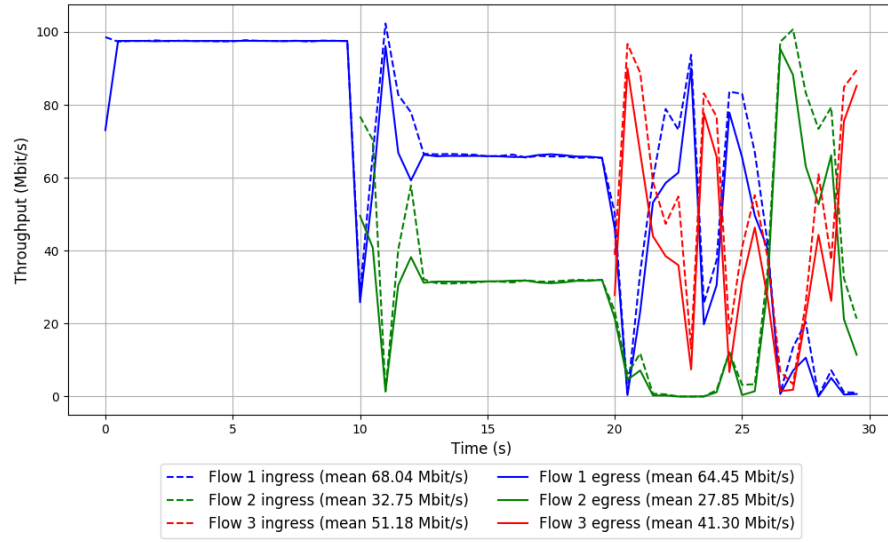


Run 5: Statistics of TCP BBR

Start at: 2018-01-10 04:02:10
End at: 2018-01-10 04:02:40
Local clock offset: 3.492 ms
Remote clock offset: -15.208 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 28.239 ms
Loss rate: 9.42%
-- Flow 1:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 25.834 ms
Loss rate: 5.18%
-- Flow 2:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 29.736 ms
Loss rate: 14.94%
-- Flow 3:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 19.30%

Run 5: Report of TCP BBR — Data Link

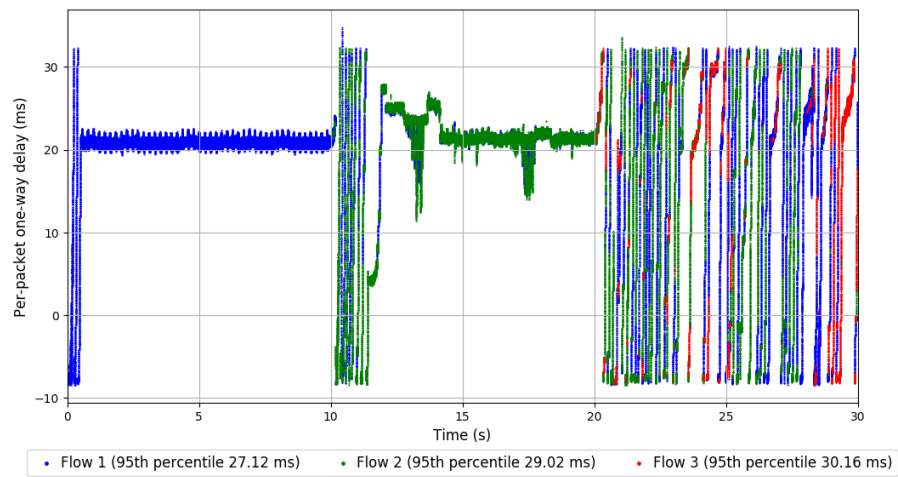
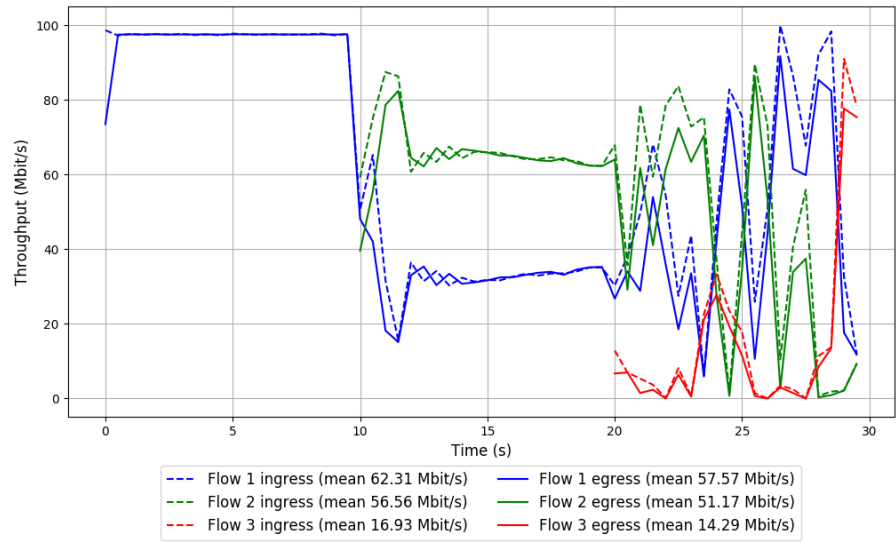


Run 6: Statistics of TCP BBR

Start at: 2018-01-10 04:20:24
End at: 2018-01-10 04:20:54
Local clock offset: 5.872 ms
Remote clock offset: -14.132 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 28.685 ms
Loss rate: 8.69%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 27.119 ms
Loss rate: 7.51%
-- Flow 2:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 29.015 ms
Loss rate: 9.59%
-- Flow 3:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 30.157 ms
Loss rate: 15.65%

Run 6: Report of TCP BBR — Data Link

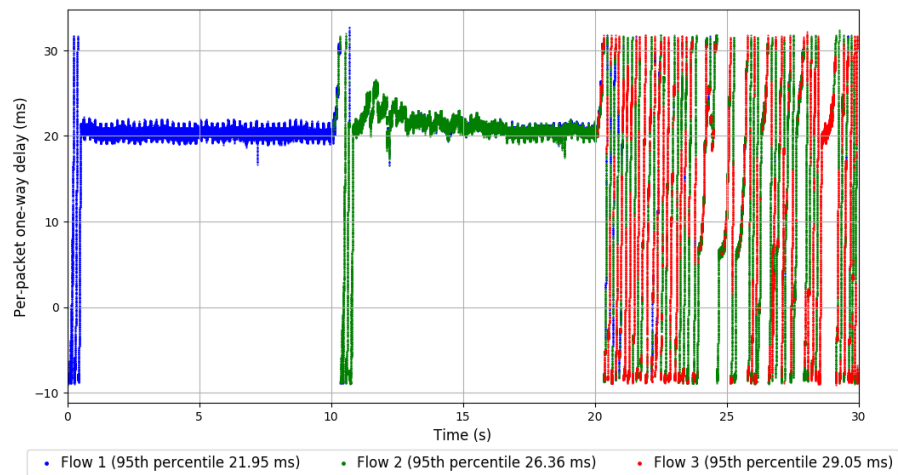
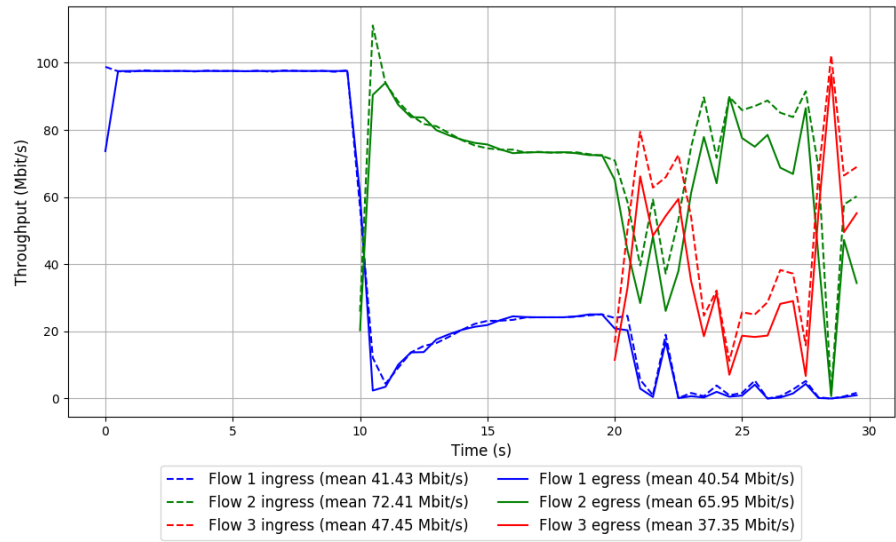


Run 7: Statistics of TCP BBR

Start at: 2018-01-10 04:38:40
End at: 2018-01-10 04:39:10
Local clock offset: 4.779 ms
Remote clock offset: -17.021 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 25.792 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 21.954 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 26.360 ms
Loss rate: 9.05%
-- Flow 3:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 29.048 ms
Loss rate: 21.52%

Run 7: Report of TCP BBR — Data Link

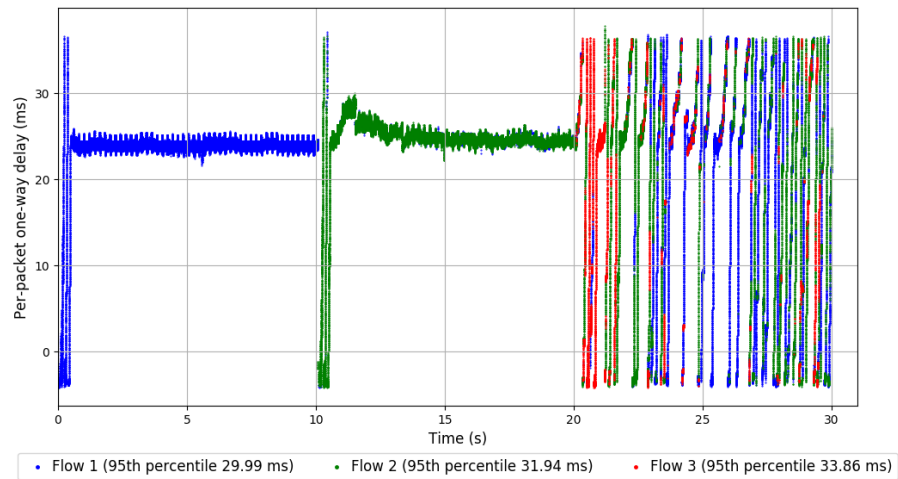
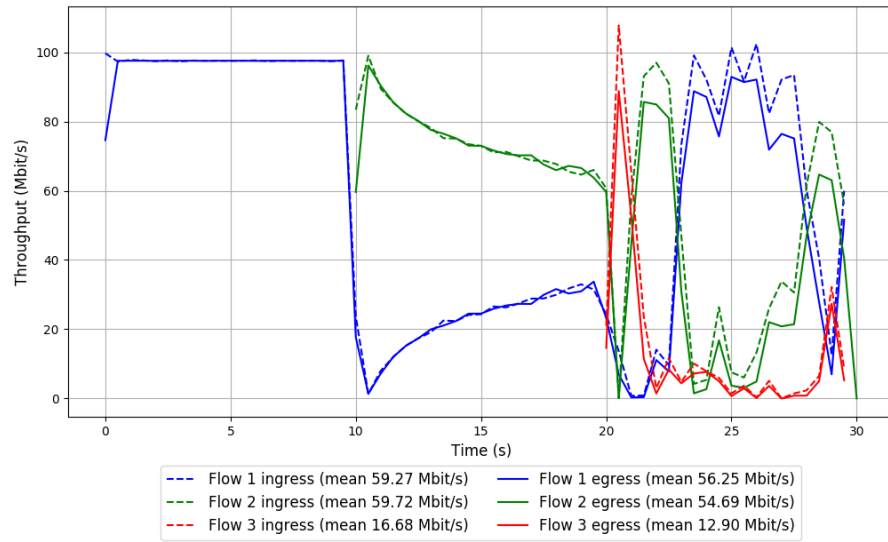


Run 8: Statistics of TCP BBR

Start at: 2018-01-10 04:56:44
End at: 2018-01-10 04:57:14
Local clock offset: 2.748 ms
Remote clock offset: -13.964 ms

Below is generated by plot.py at 2018-01-10 06:23:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 31.374 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 29.991 ms
Loss rate: 5.04%
-- Flow 2:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 31.940 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 33.860 ms
Loss rate: 23.13%

Run 8: Report of TCP BBR — Data Link

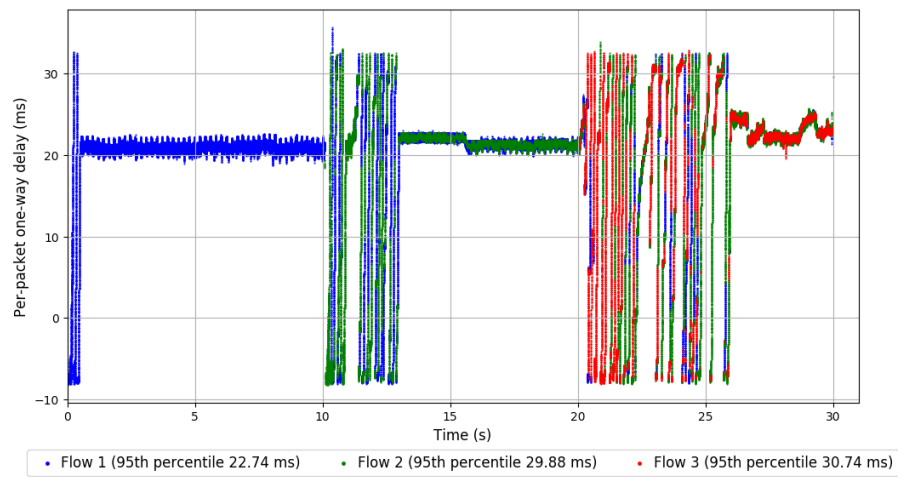
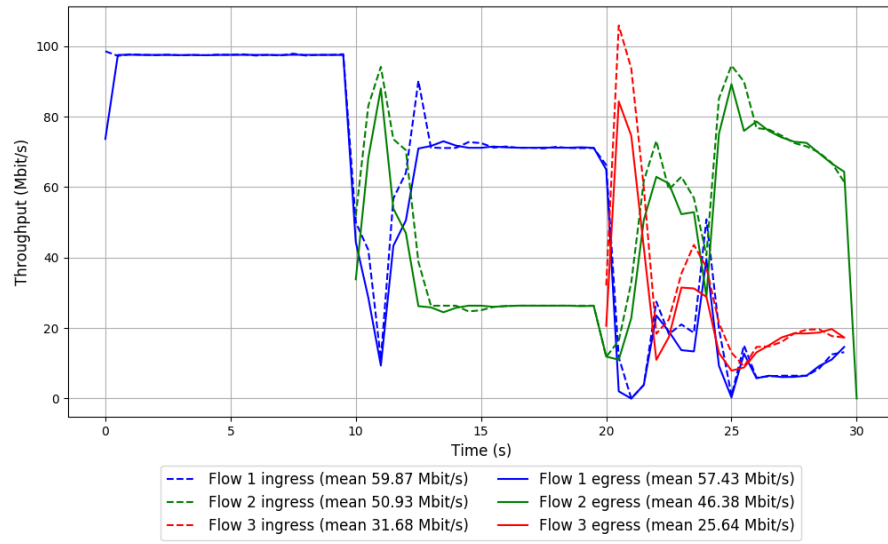


Run 9: Statistics of TCP BBR

Start at: 2018-01-10 05:15:03
End at: 2018-01-10 05:15:33
Local clock offset: 6.46 ms
Remote clock offset: -13.668 ms

Below is generated by plot.py at 2018-01-10 06:25:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 27.924 ms
Loss rate: 7.10%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 22.738 ms
Loss rate: 3.99%
-- Flow 2:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 29.881 ms
Loss rate: 8.89%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 30.738 ms
Loss rate: 19.03%

Run 9: Report of TCP BBR — Data Link

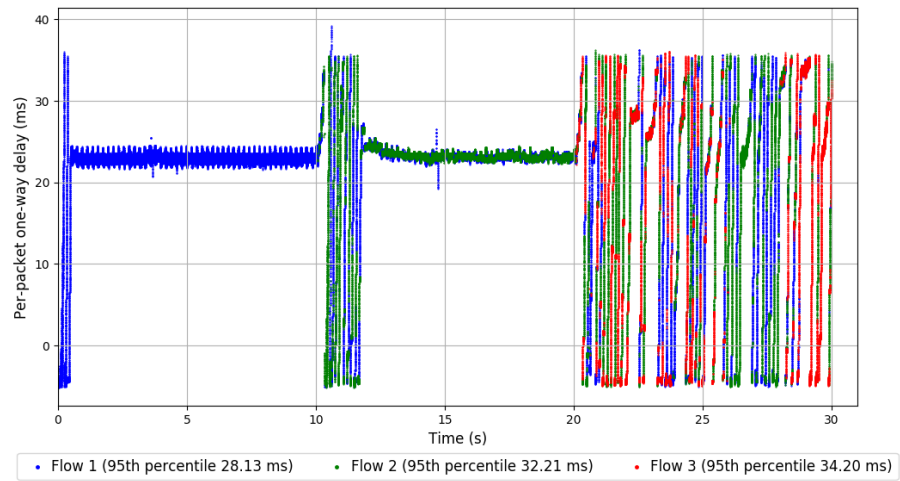
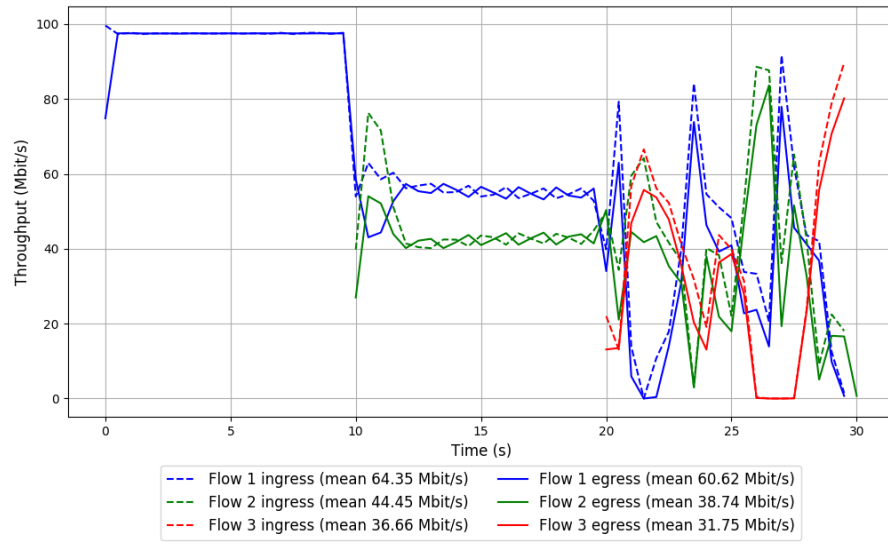


Run 10: Statistics of TCP BBR

Start at: 2018-01-10 05:33:29
End at: 2018-01-10 05:33:59
Local clock offset: 4.167 ms
Remote clock offset: -13.632 ms

Below is generated by plot.py at 2018-01-10 06:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 31.819 ms
Loss rate: 8.57%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 28.128 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 32.206 ms
Loss rate: 12.78%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 34.203 ms
Loss rate: 13.30%

Run 10: Report of TCP BBR — Data Link

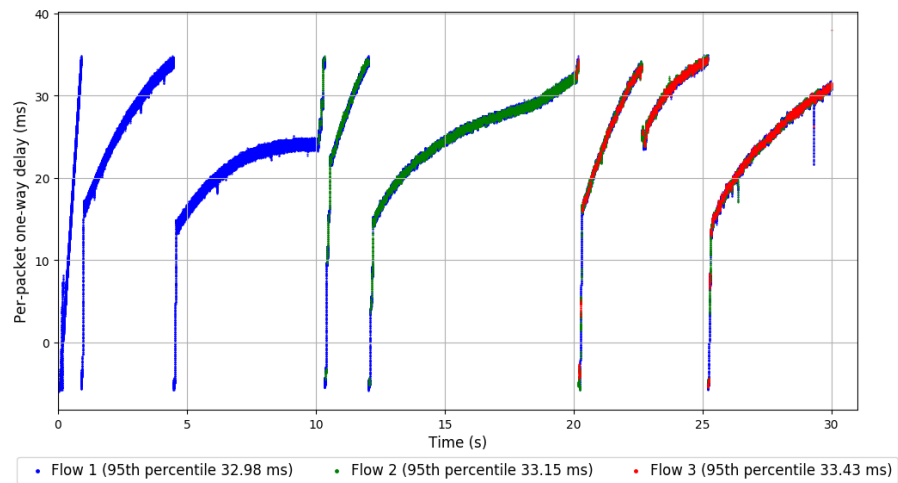
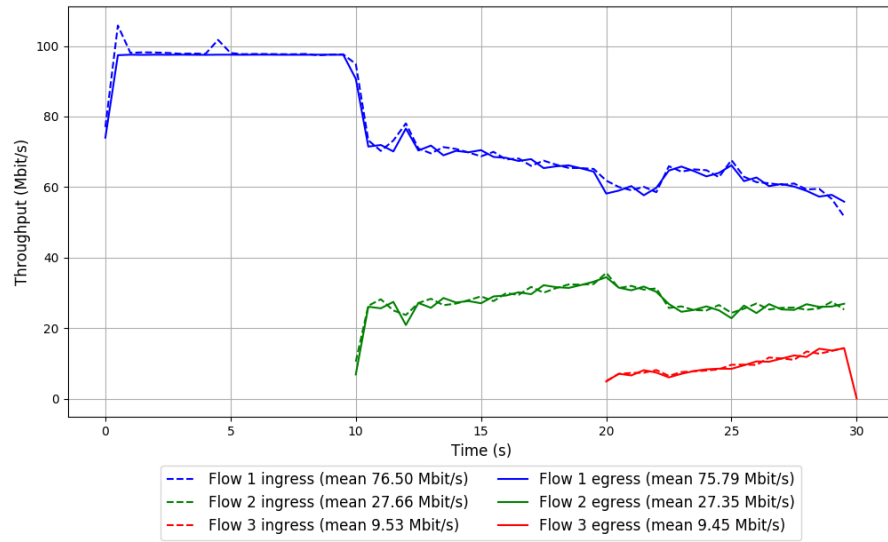


Run 1: Statistics of TCP Cubic

Start at: 2018-01-10 02:39:14
End at: 2018-01-10 02:39:44
Local clock offset: 1.295 ms
Remote clock offset: -16.889 ms

Below is generated by plot.py at 2018-01-10 06:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 33.047 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 32.975 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 33.146 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 33.426 ms
Loss rate: 0.78%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

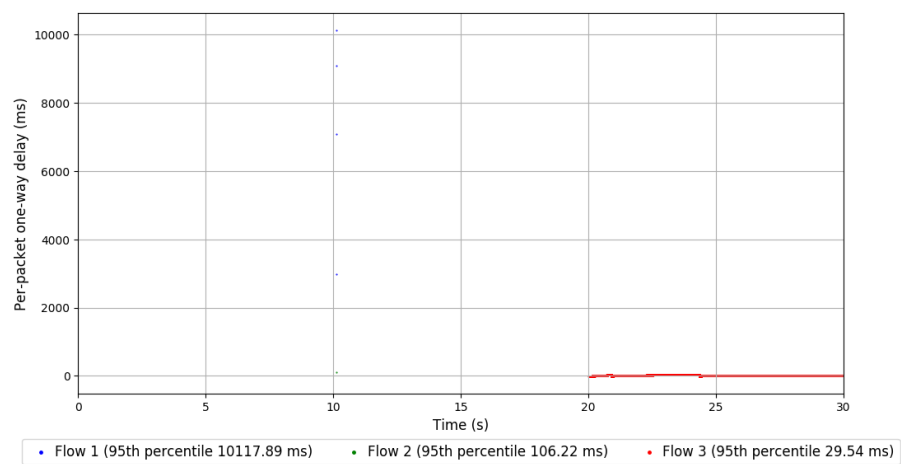
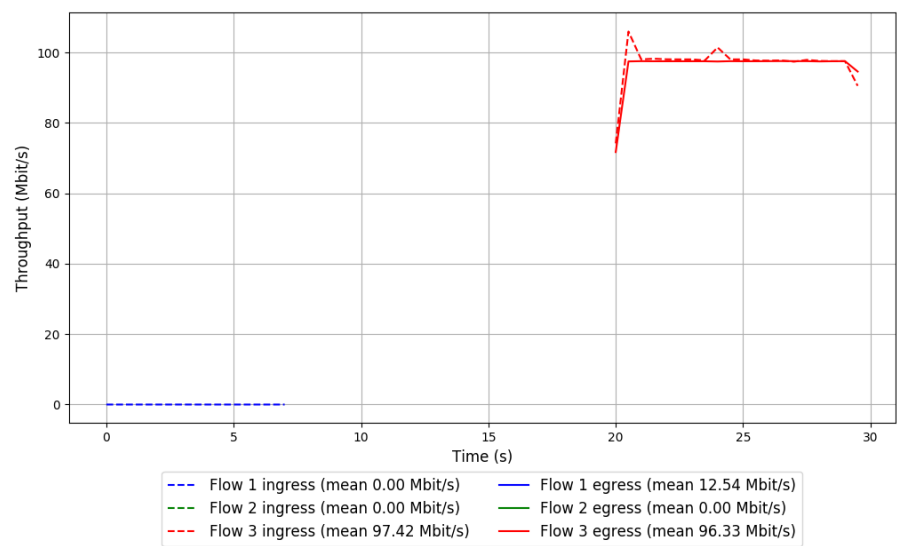
Start at: 2018-01-10 02:57:07

End at: 2018-01-10 02:57:37

Local clock offset: 5.154 ms

Remote clock offset: -16.415 ms

Run 2: Report of TCP Cubic — Data Link

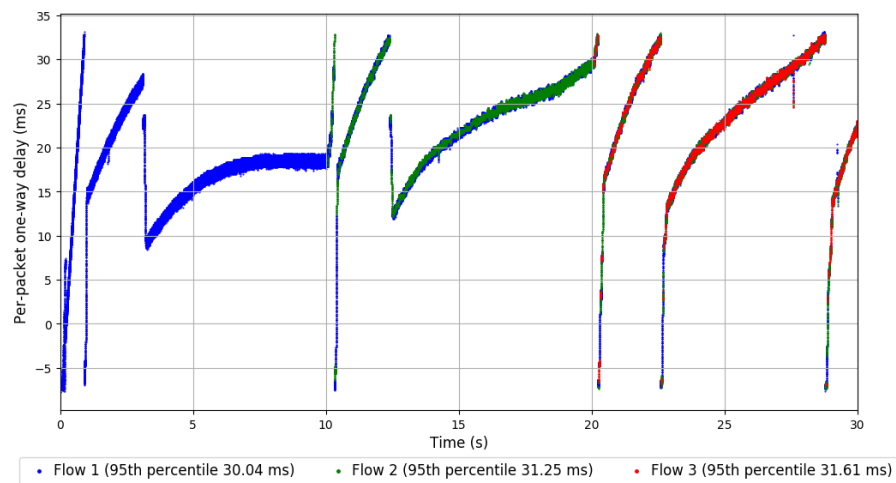
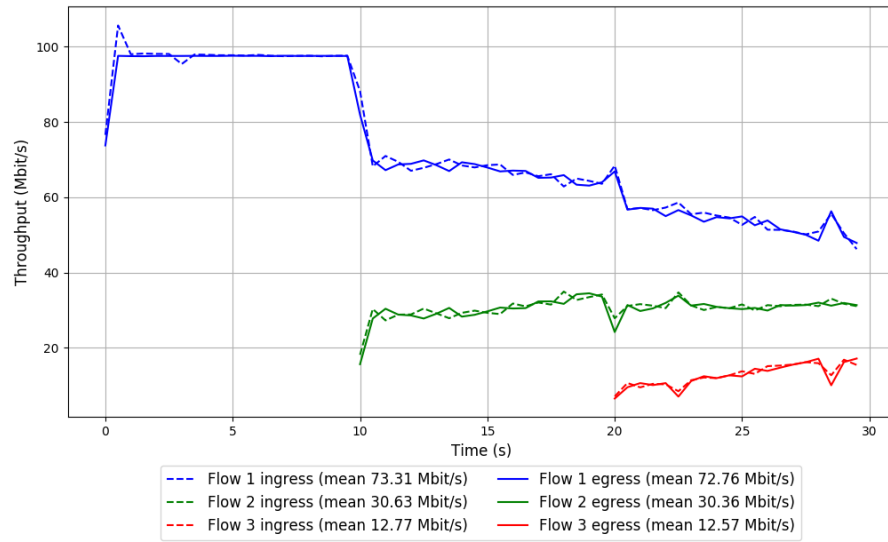


Run 3: Statistics of TCP Cubic

Start at: 2018-01-10 03:15:12
End at: 2018-01-10 03:15:42
Local clock offset: 3.883 ms
Remote clock offset: -16.157 ms

Below is generated by plot.py at 2018-01-10 06:25:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 30.582 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 30.039 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 31.245 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 31.614 ms
Loss rate: 1.62%

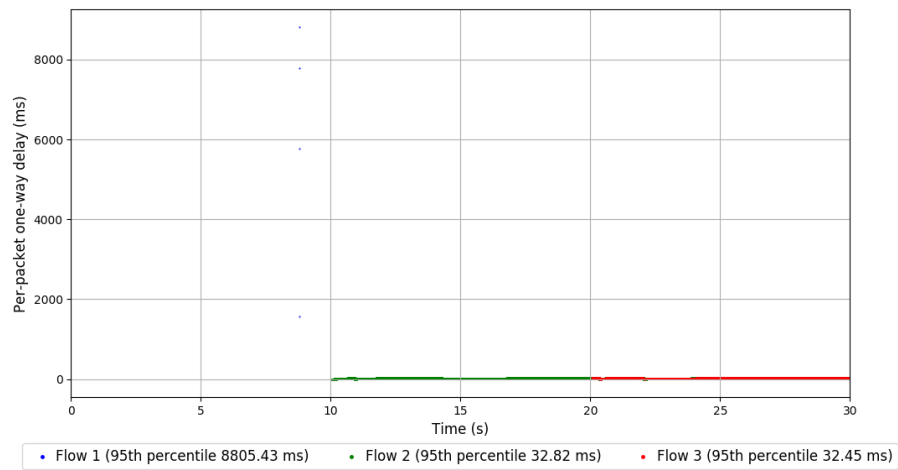
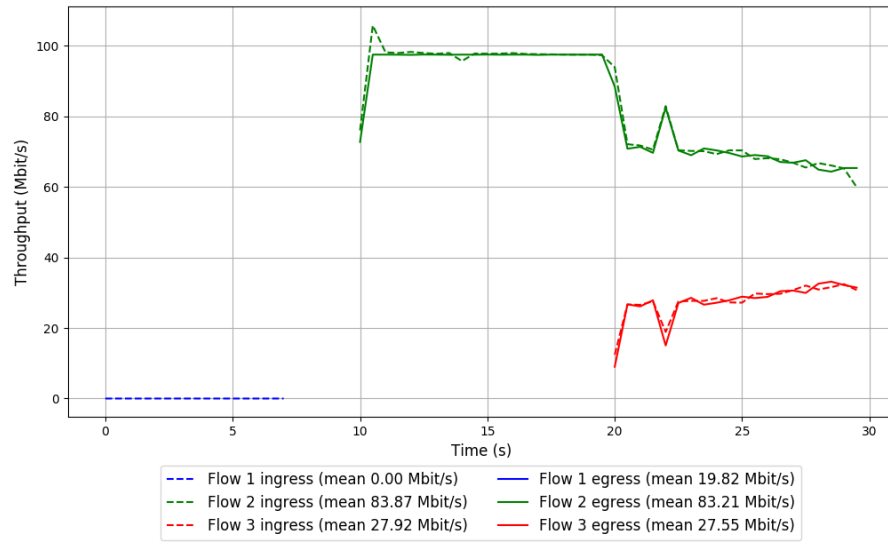
Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-01-10 03:33:05
End at: 2018-01-10 03:33:35
Local clock offset: 2.071 ms
Remote clock offset: -15.856 ms

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

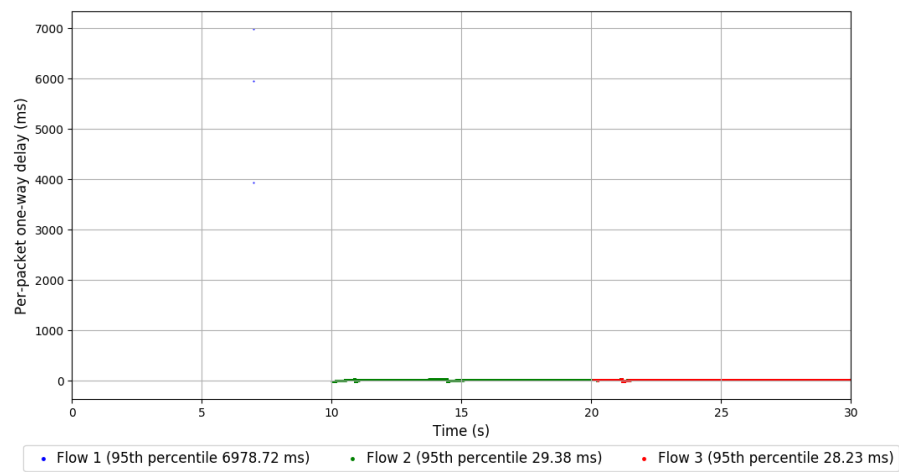
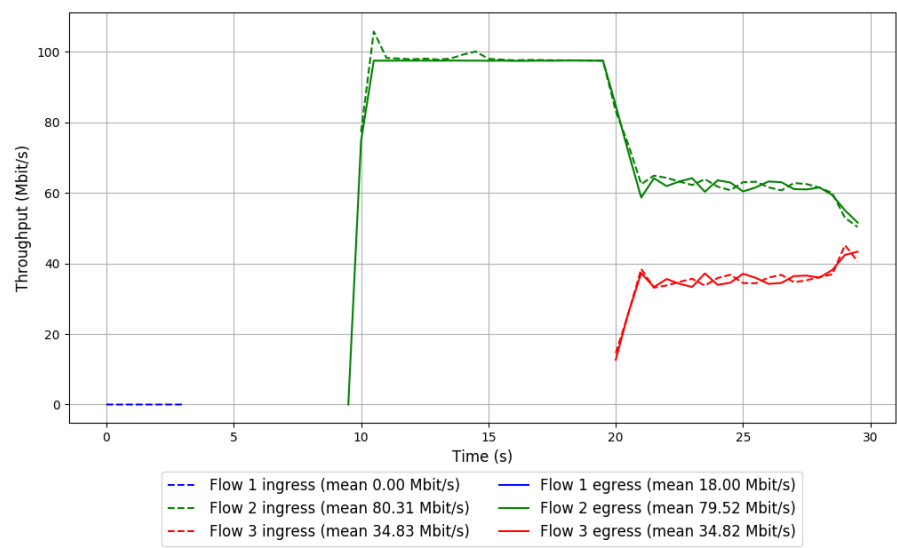
Start at: 2018-01-10 03:51:10

End at: 2018-01-10 03:51:40

Local clock offset: 3.979 ms

Remote clock offset: -16.561 ms

Run 5: Report of TCP Cubic — Data Link

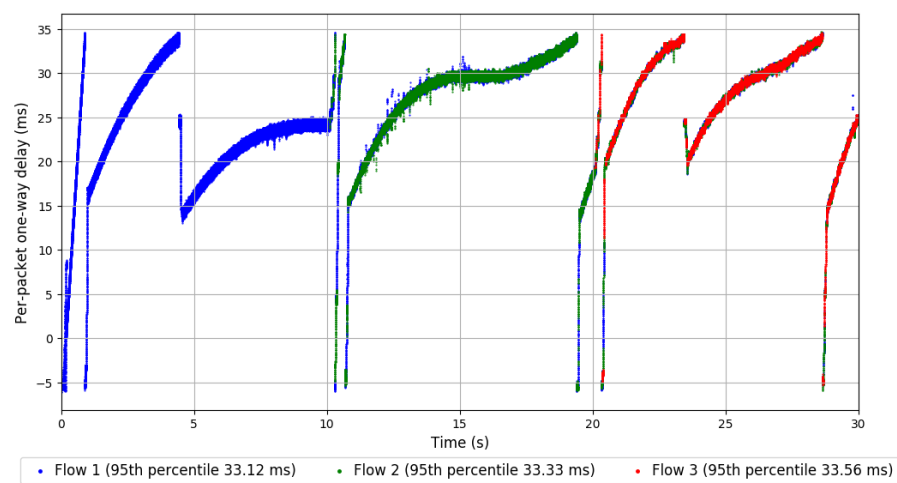
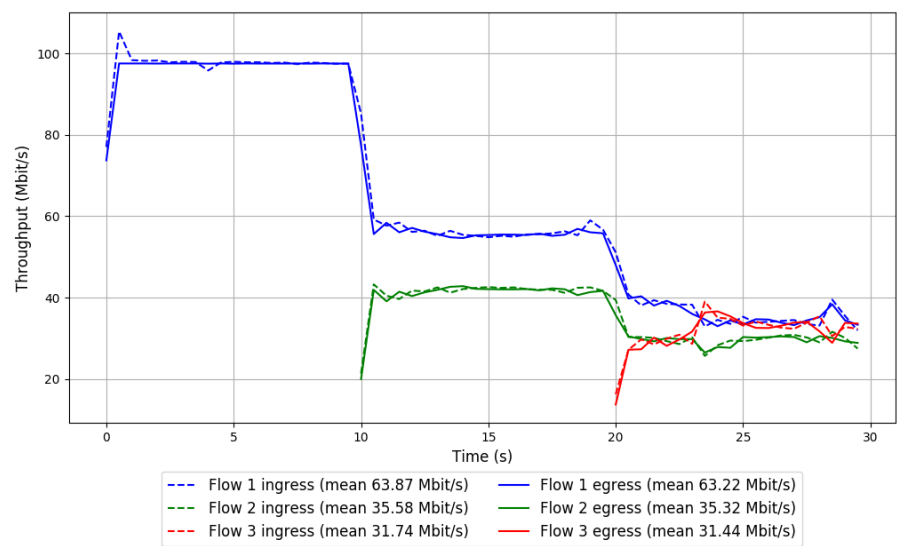


Run 6: Statistics of TCP Cubic

Start at: 2018-01-10 04:09:25
End at: 2018-01-10 04:09:55
Local clock offset: 5.015 ms
Remote clock offset: -12.452 ms

Below is generated by plot.py at 2018-01-10 06:25:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 33.200 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 33.117 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 33.332 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 33.564 ms
Loss rate: 1.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

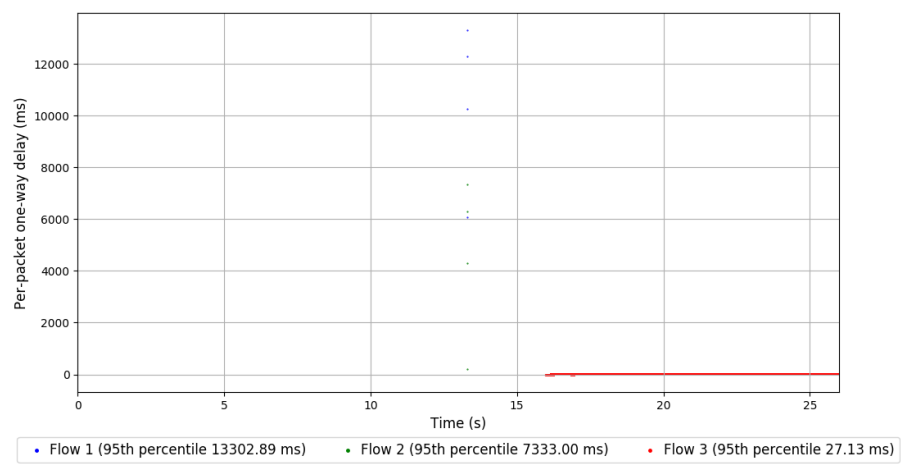
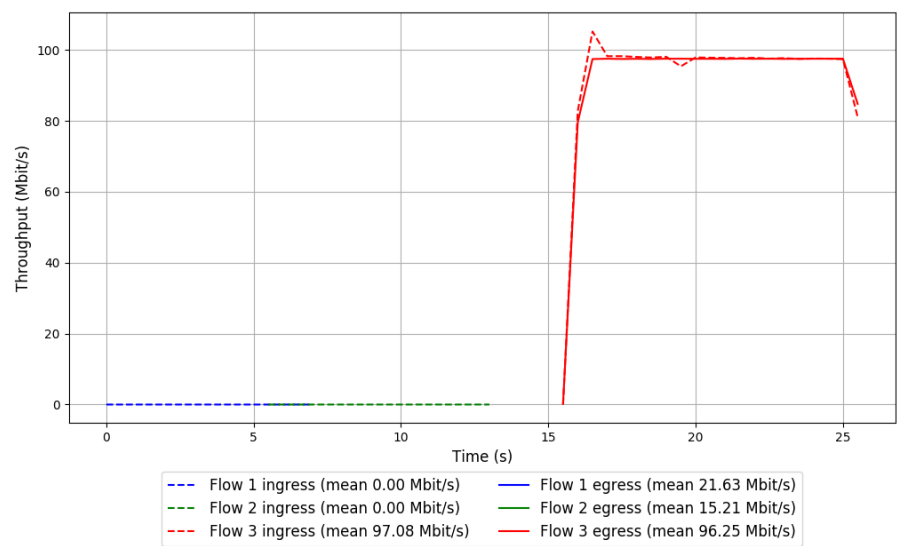
Start at: 2018-01-10 04:27:39

End at: 2018-01-10 04:28:09

Local clock offset: 5.87 ms

Remote clock offset: -15.157 ms

Run 7: Report of TCP Cubic — Data Link

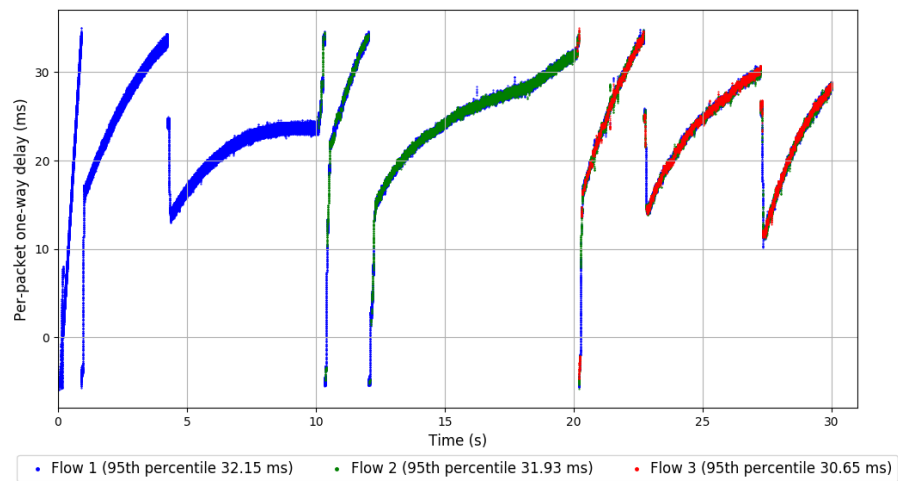
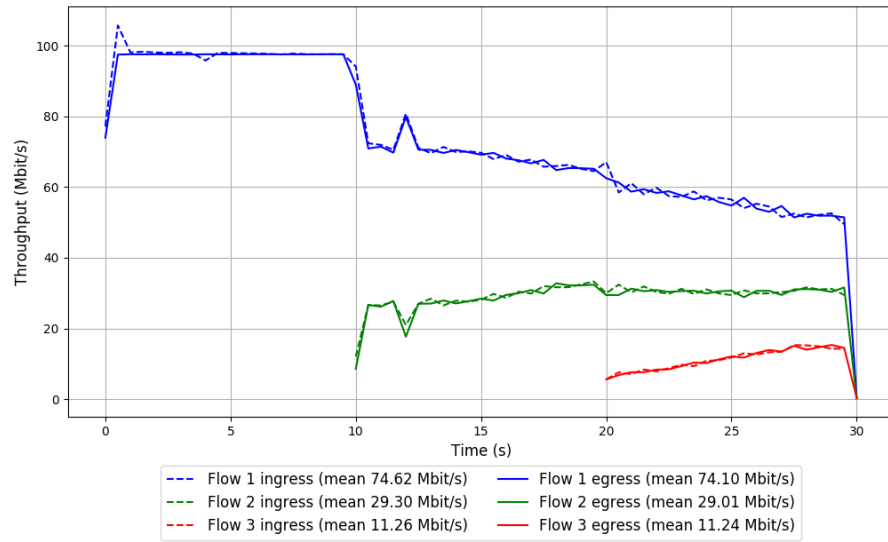


Run 8: Statistics of TCP Cubic

Start at: 2018-01-10 04:46:06
End at: 2018-01-10 04:46:36
Local clock offset: 5.271 ms
Remote clock offset: -13.303 ms

Below is generated by plot.py at 2018-01-10 06:27:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.118 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 32.152 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 31.926 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 30.651 ms
Loss rate: 0.19%

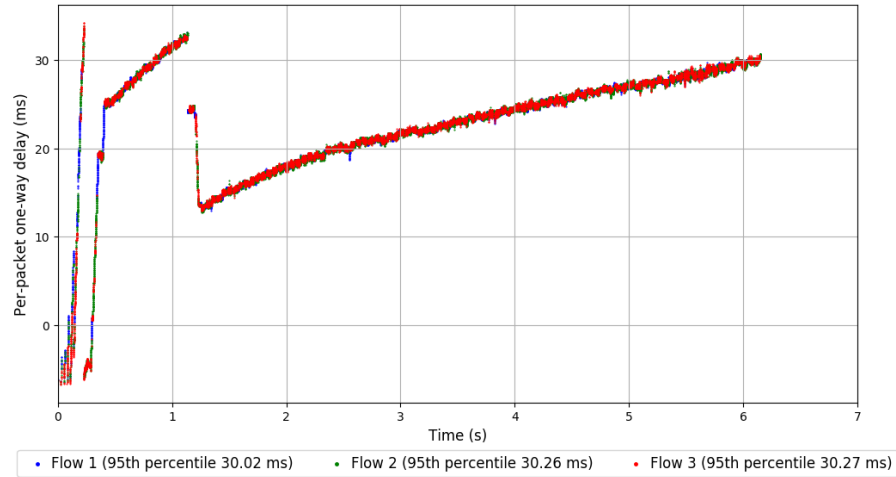
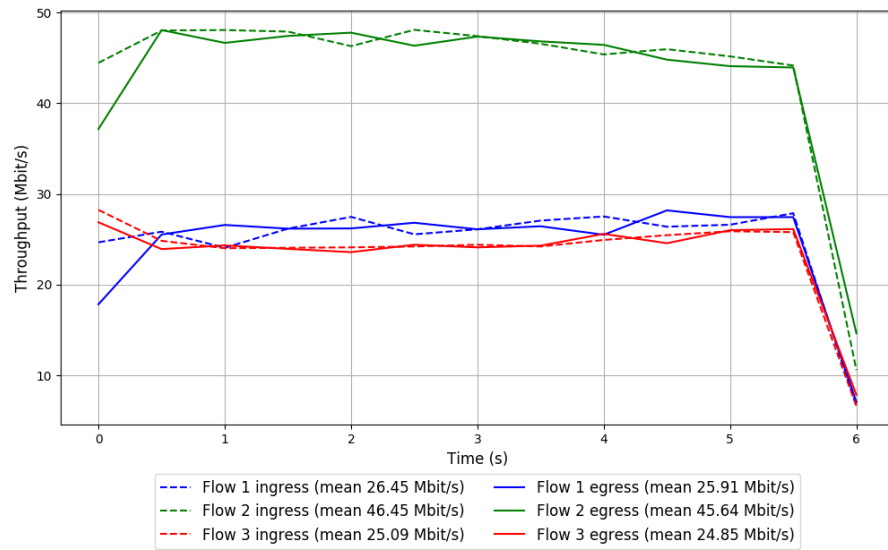
Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-01-10 05:04:11
End at: 2018-01-10 05:04:41
Local clock offset: 6.948 ms
Remote clock offset: -12.025 ms

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

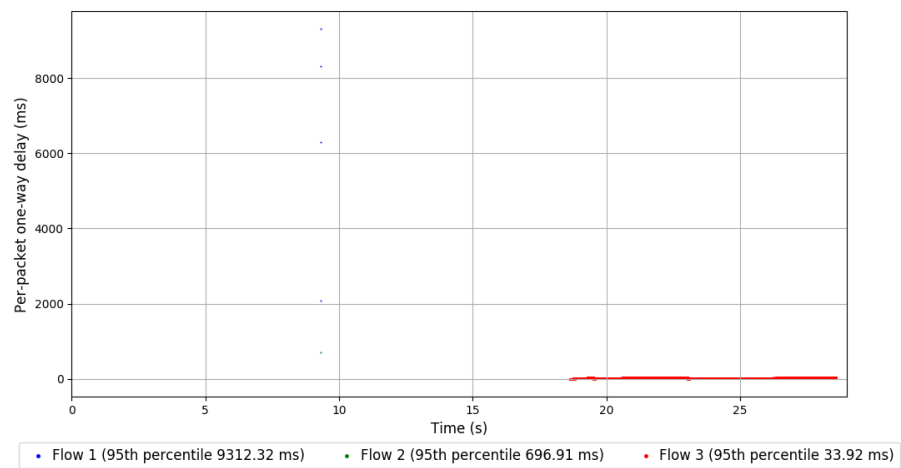
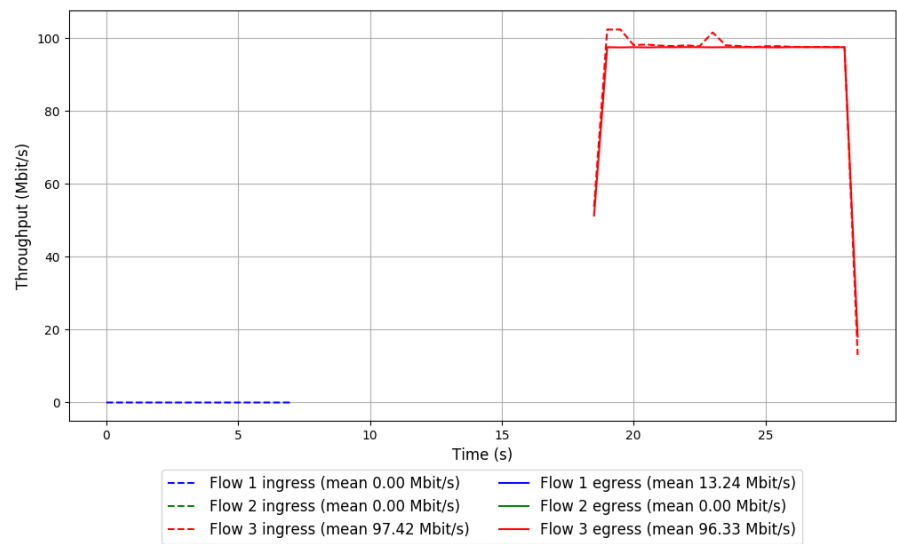
Start at: 2018-01-10 05:22:29

End at: 2018-01-10 05:22:59

Local clock offset: 3.094 ms

Remote clock offset: -13.612 ms

Run 10: Report of TCP Cubic — Data Link

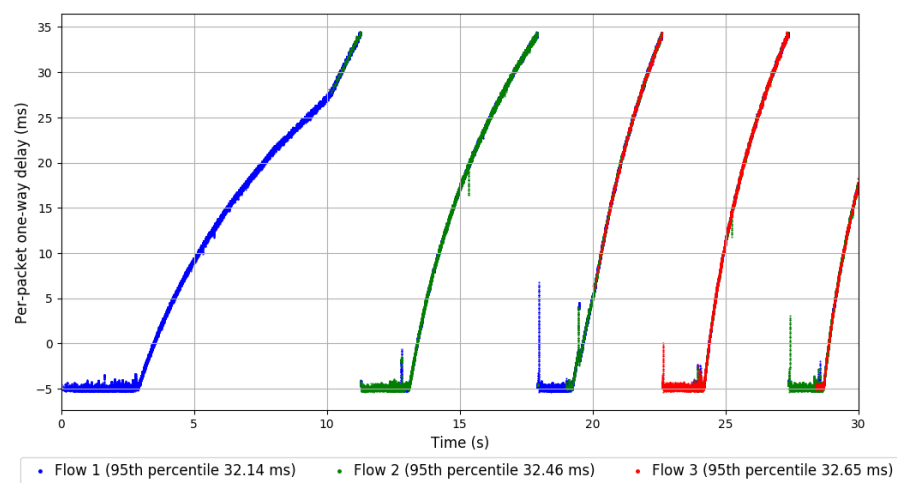
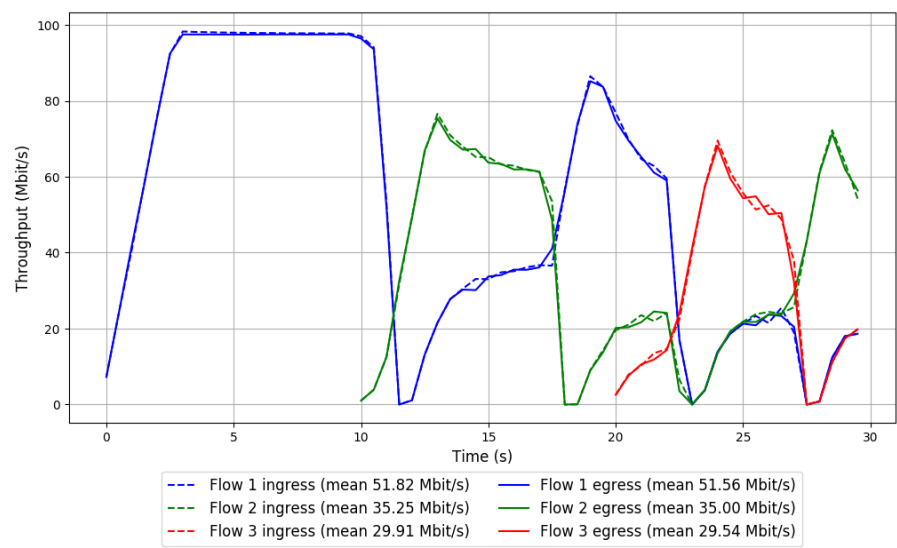


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-10 02:42:45
End at: 2018-01-10 02:43:15
Local clock offset: 2.149 ms
Remote clock offset: -15.779 ms

# Below is generated by plot.py at 2018-01-10 06:28:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 32.244 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 32.142 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 32.456 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 32.654 ms
Loss rate: 1.13%
```

Run 1: Report of LEDBAT — Data Link

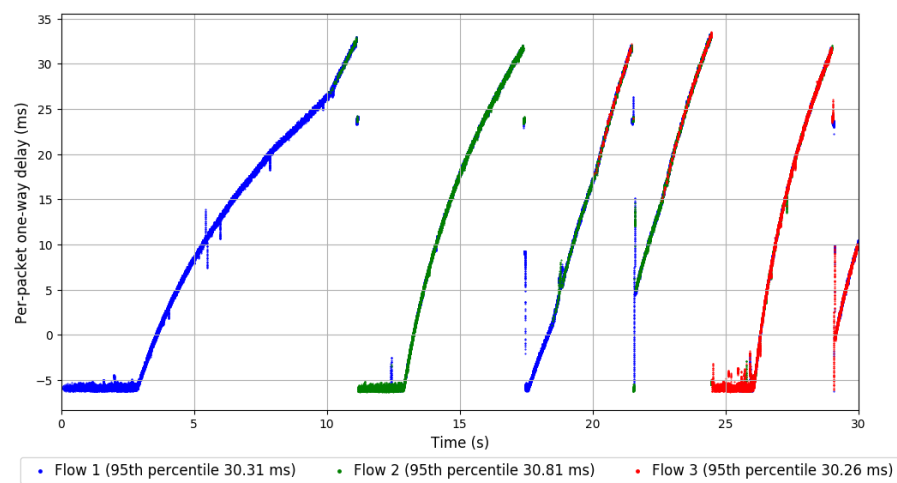
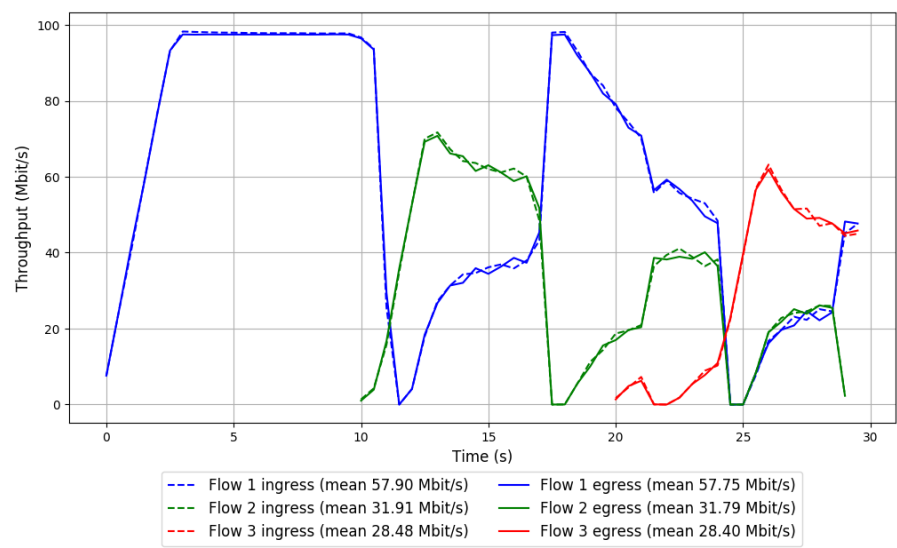


Run 2: Statistics of LEDBAT

Start at: 2018-01-10 03:00:33
End at: 2018-01-10 03:01:03
Local clock offset: 2.699 ms
Remote clock offset: -15.84 ms

Below is generated by plot.py at 2018-01-10 06:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 30.523 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 30.313 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 30.807 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 30.262 ms
Loss rate: 0.34%

Run 2: Report of LEDBAT — Data Link

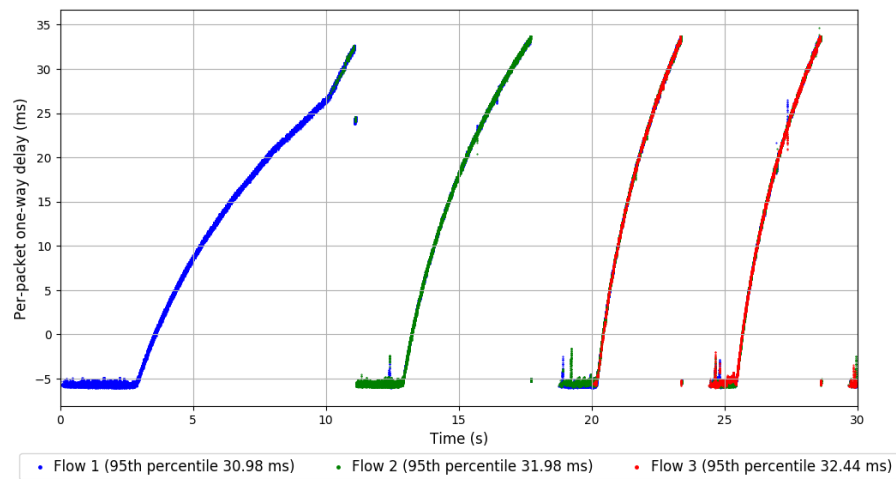
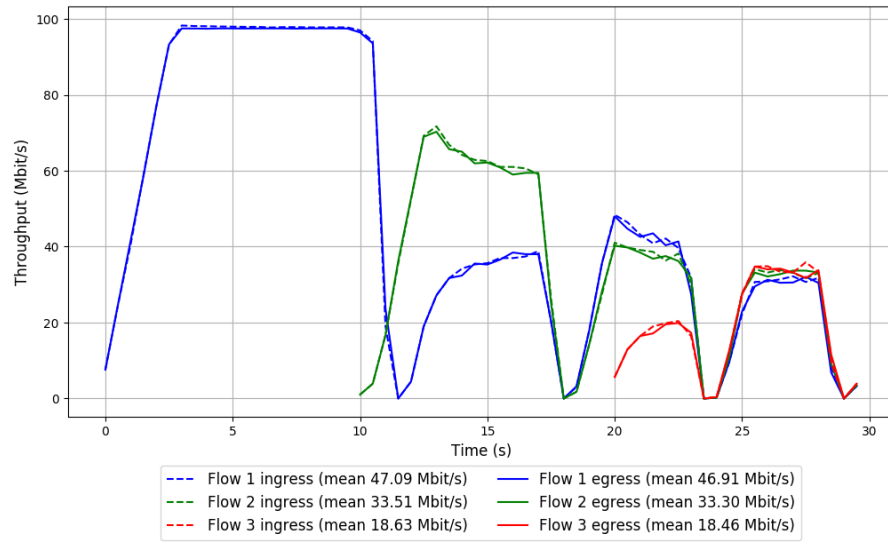


Run 3: Statistics of LEDBAT

Start at: 2018-01-10 03:18:43
End at: 2018-01-10 03:19:13
Local clock offset: 3.186 ms
Remote clock offset: -15.382 ms

Below is generated by plot.py at 2018-01-10 06:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 31.497 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 30.983 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 31.978 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 32.443 ms
Loss rate: 0.90%

Run 3: Report of LEDBAT — Data Link

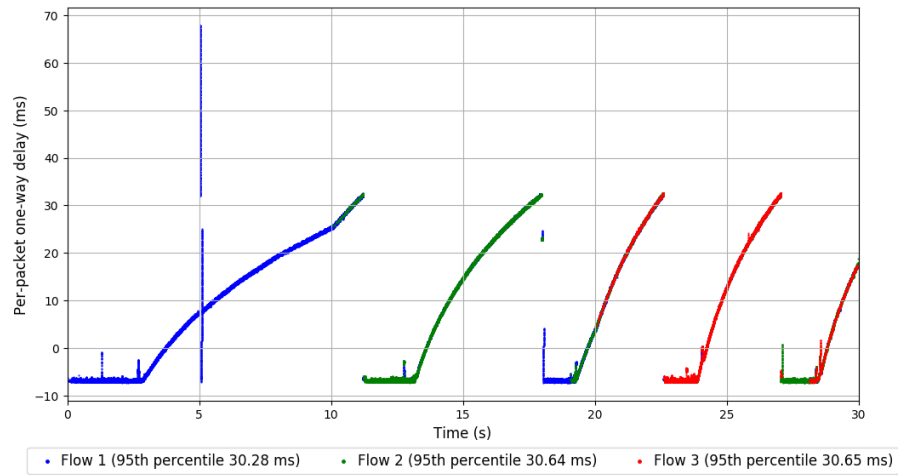
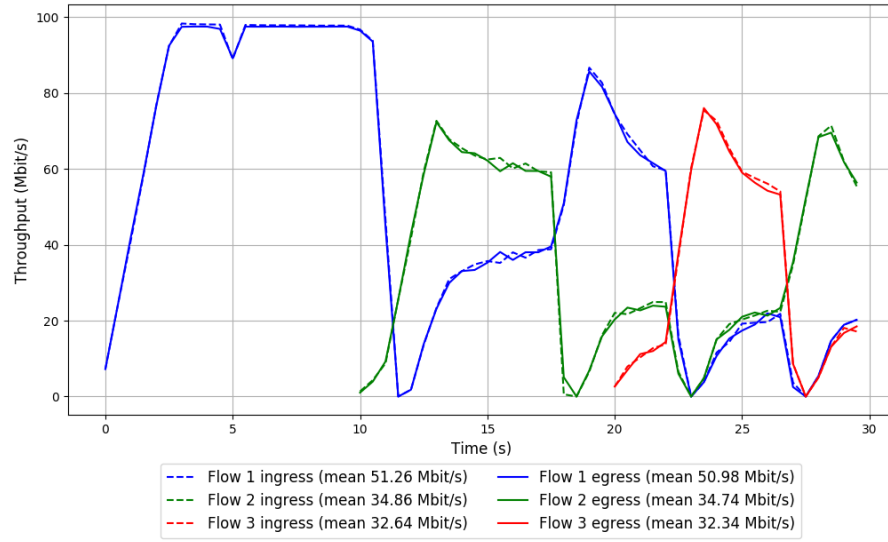


Run 4: Statistics of LEDBAT

Start at: 2018-01-10 03:36:36
End at: 2018-01-10 03:37:06
Local clock offset: 4.918 ms
Remote clock offset: -14.853 ms

Below is generated by plot.py at 2018-01-10 06:28:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 30.423 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 30.283 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 30.645 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.80%

Run 4: Report of LEDBAT — Data Link

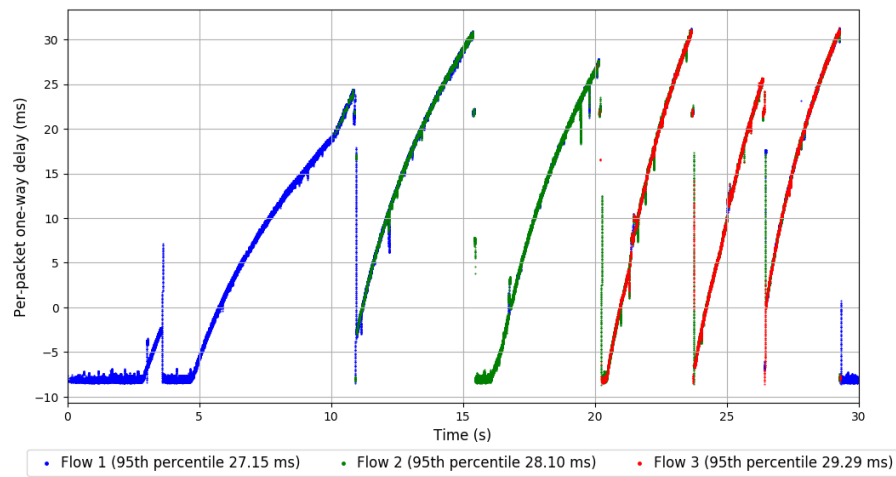
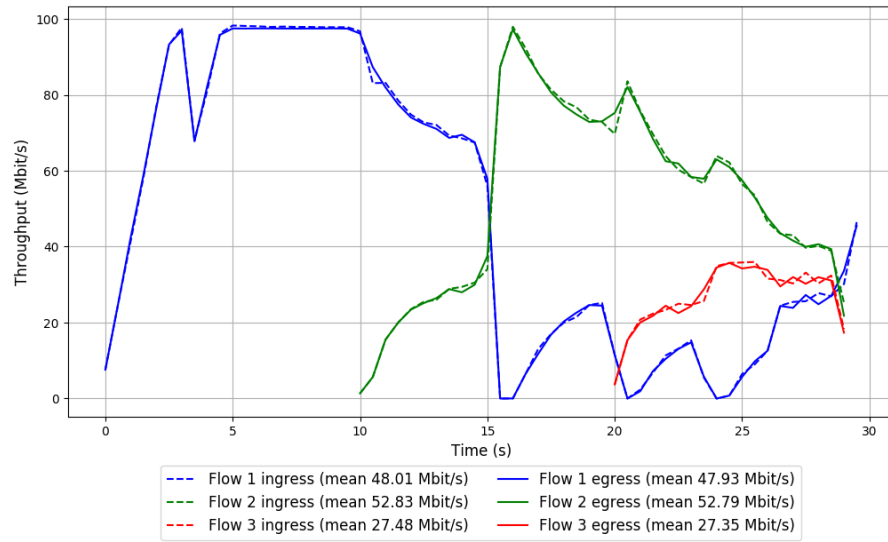


Run 5: Statistics of LEDBAT

Start at: 2018-01-10 03:54:40
End at: 2018-01-10 03:55:10
Local clock offset: 4.575 ms
Remote clock offset: -15.706 ms

Below is generated by plot.py at 2018-01-10 06:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 27.869 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 47.93 Mbit/s
95th percentile per-packet one-way delay: 27.146 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 28.099 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 29.292 ms
Loss rate: 0.87%

Run 5: Report of LEDBAT — Data Link

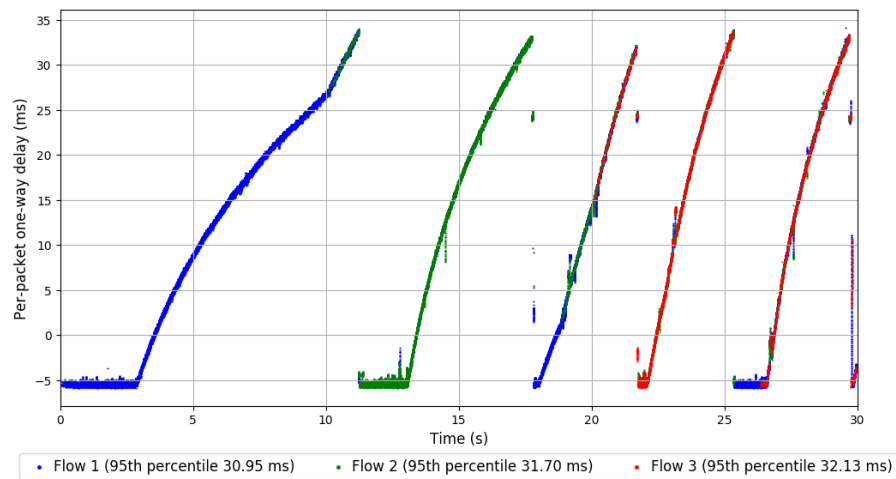
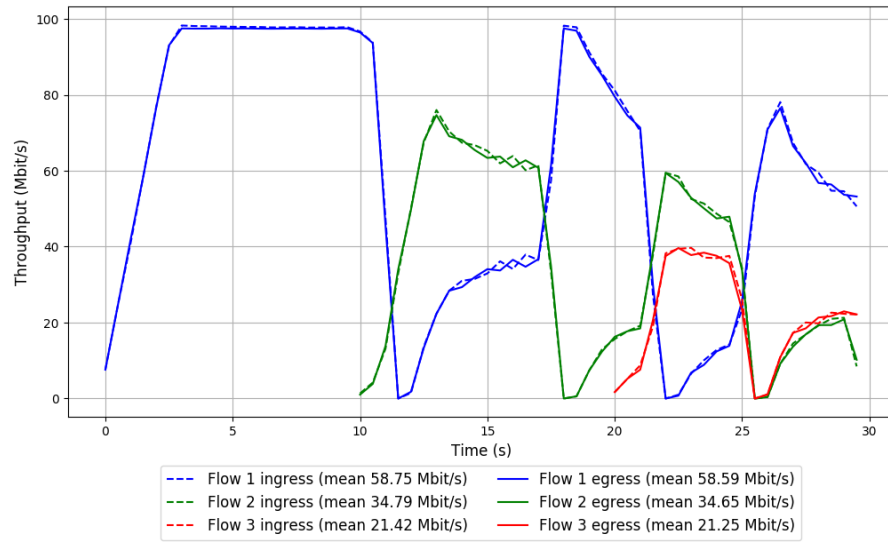


Run 6: Statistics of LEDBAT

Start at: 2018-01-10 04:13:04
End at: 2018-01-10 04:13:34
Local clock offset: 4.594 ms
Remote clock offset: -12.48 ms

Below is generated by plot.py at 2018-01-10 06:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.37 Mbit/s
95th percentile per-packet one-way delay: 31.375 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 58.59 Mbit/s
95th percentile per-packet one-way delay: 30.949 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 31.702 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 32.126 ms
Loss rate: 1.17%

Run 6: Report of LEDBAT — Data Link

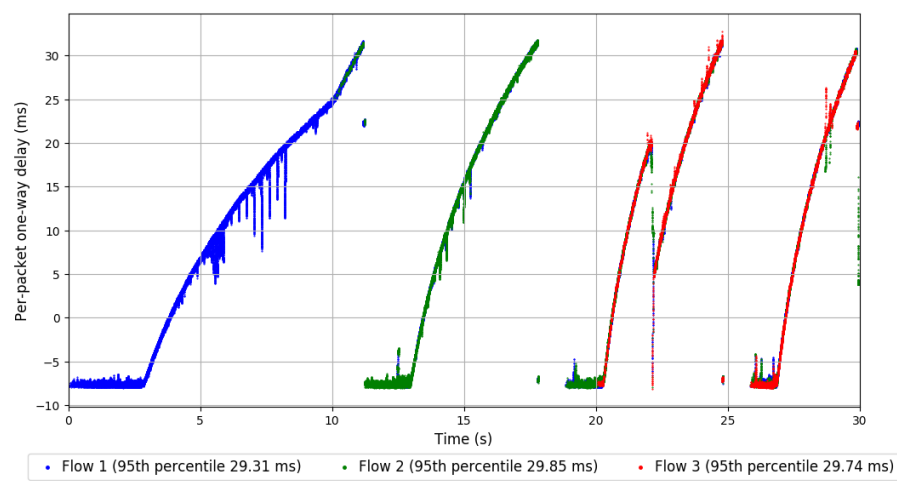
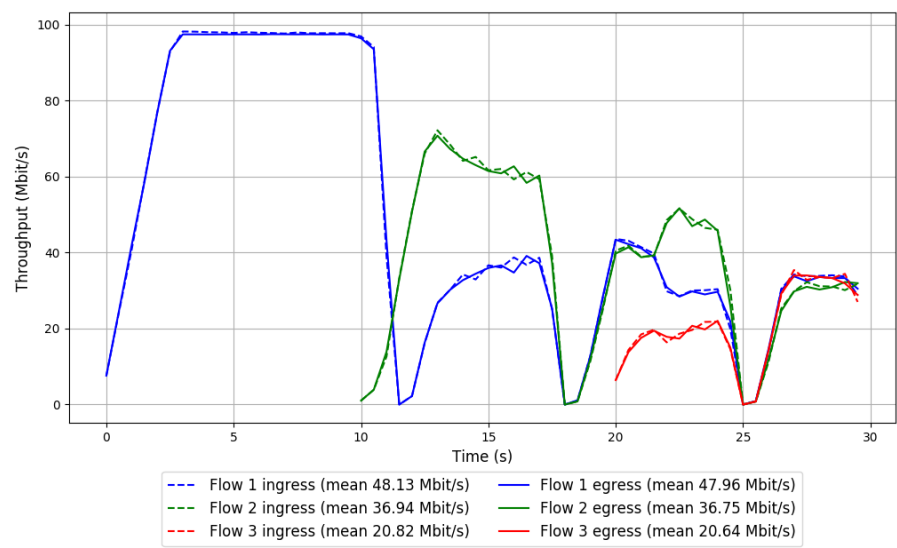


Run 7: Statistics of LEDBAT

Start at: 2018-01-10 04:31:08
End at: 2018-01-10 04:31:38
Local clock offset: 7.064 ms
Remote clock offset: -13.186 ms

Below is generated by plot.py at 2018-01-10 06:28:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 29.571 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 29.309 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 29.848 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 20.64 Mbit/s
95th percentile per-packet one-way delay: 29.736 ms
Loss rate: 0.61%

Run 7: Report of LEDBAT — Data Link

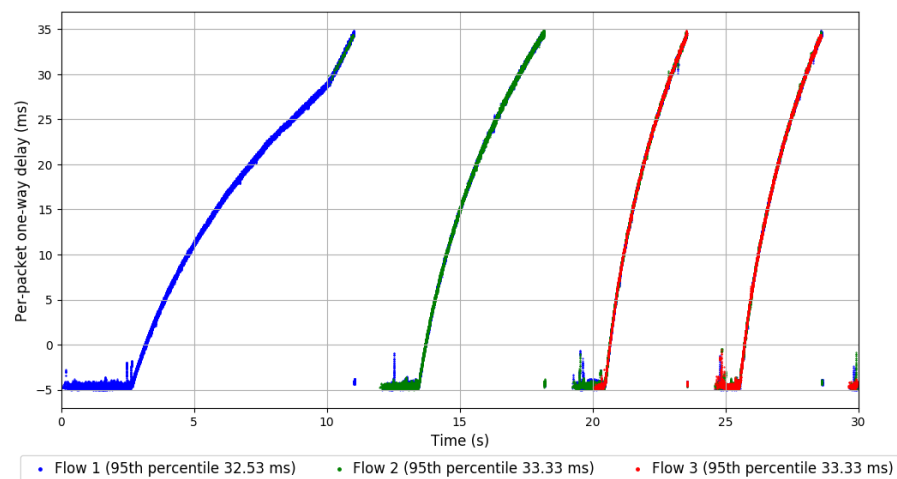
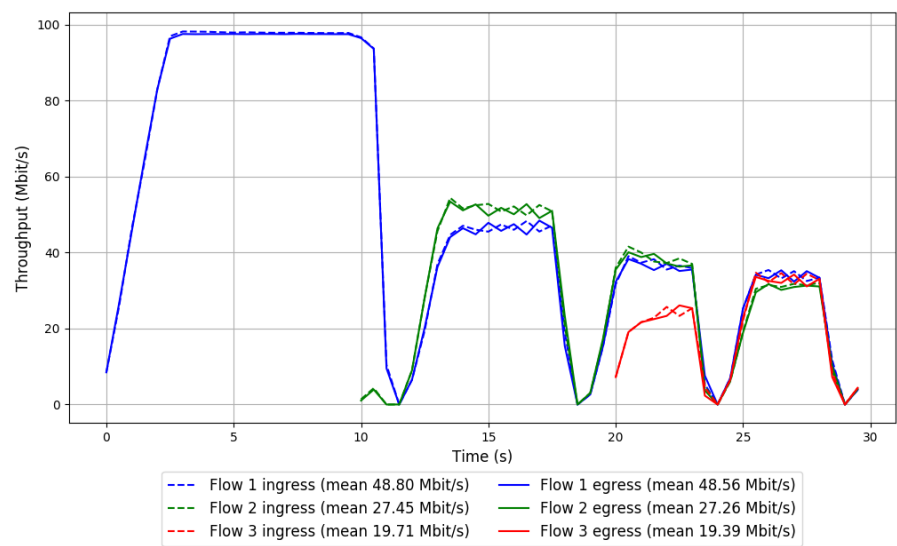


Run 8: Statistics of LEDBAT

Start at: 2018-01-10 04:49:37
End at: 2018-01-10 04:50:07
Local clock offset: 3.68 ms
Remote clock offset: -13.943 ms

Below is generated by plot.py at 2018-01-10 06:29:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 32.883 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 32.531 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 33.330 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 33.327 ms
Loss rate: 1.64%

Run 8: Report of LEDBAT — Data Link

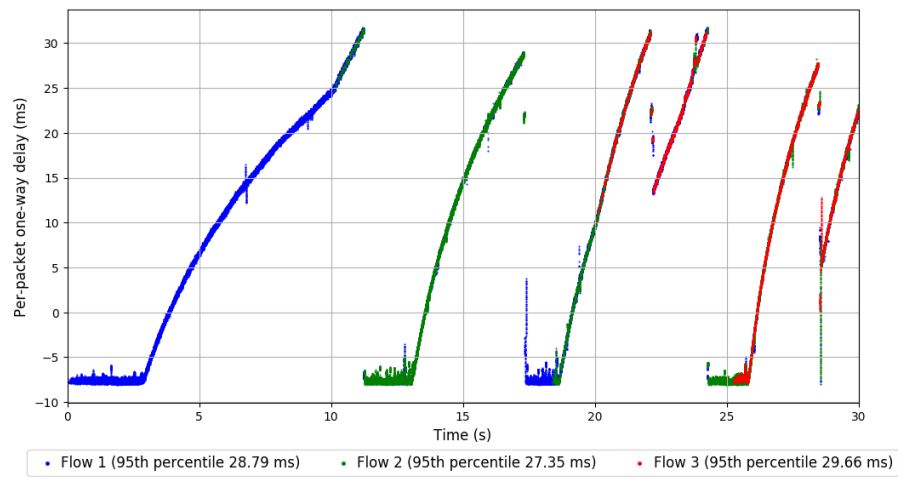
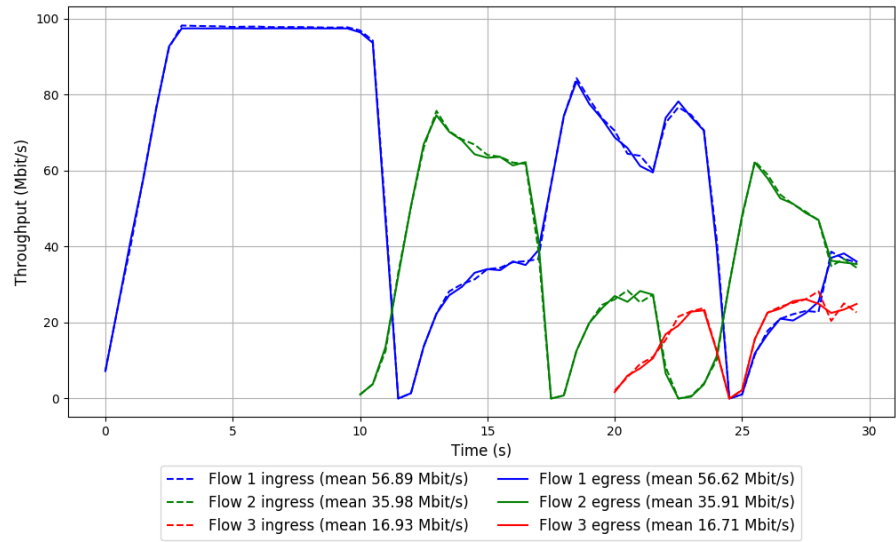


Run 9: Statistics of LEDBAT

Start at: 2018-01-10 05:07:41
End at: 2018-01-10 05:08:11
Local clock offset: 6.808 ms
Remote clock offset: -13.294 ms

Below is generated by plot.py at 2018-01-10 06:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 28.470 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 28.792 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 27.347 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 29.657 ms
Loss rate: 1.14%

Run 9: Report of LEDBAT — Data Link

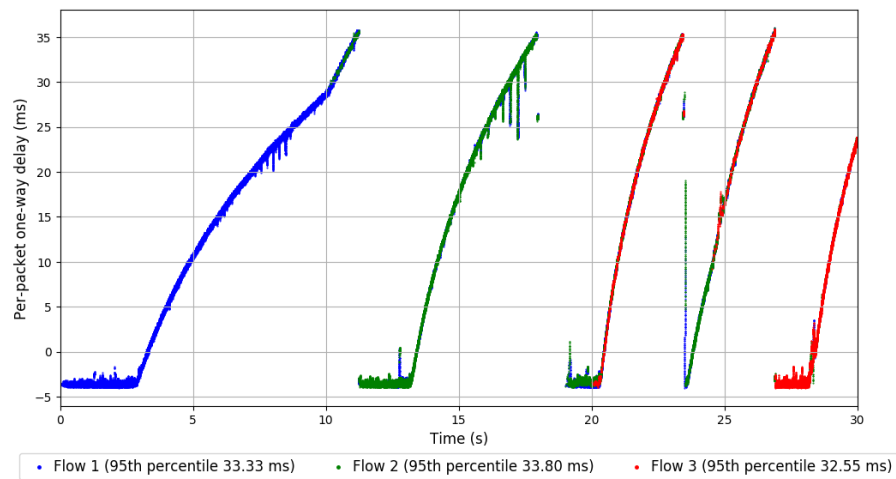
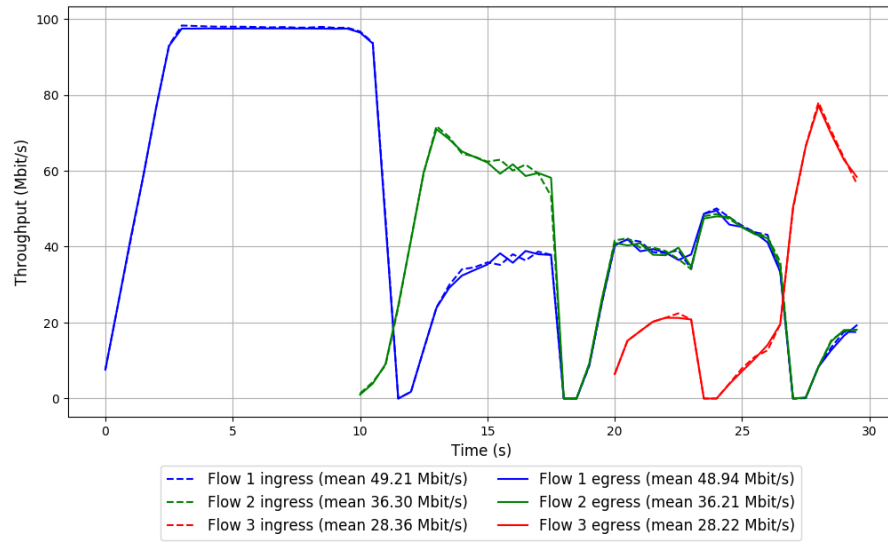


Run 10: Statistics of LEDBAT

Start at: 2018-01-10 05:26:01
End at: 2018-01-10 05:26:31
Local clock offset: 3.371 ms
Remote clock offset: -12.486 ms

Below is generated by plot.py at 2018-01-10 06:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 33.516 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 33.334 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 33.797 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 32.555 ms
Loss rate: 0.21%

Run 10: Report of LEDBAT — Data Link

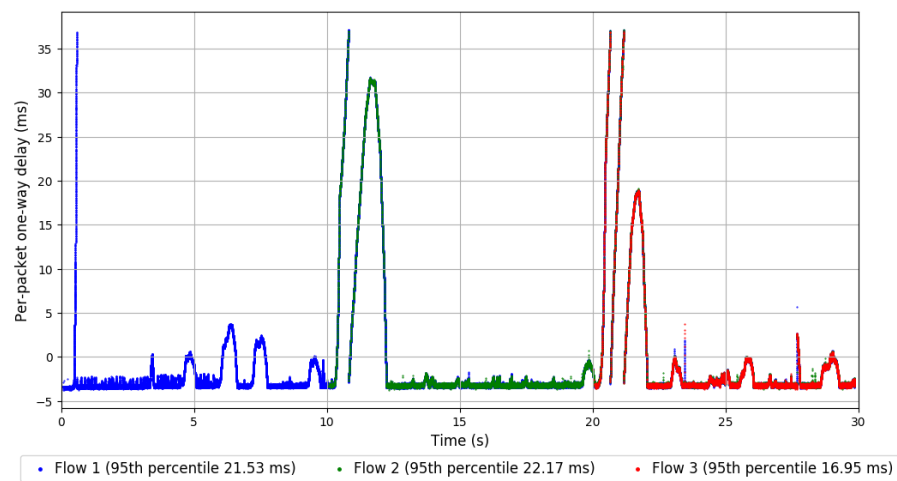
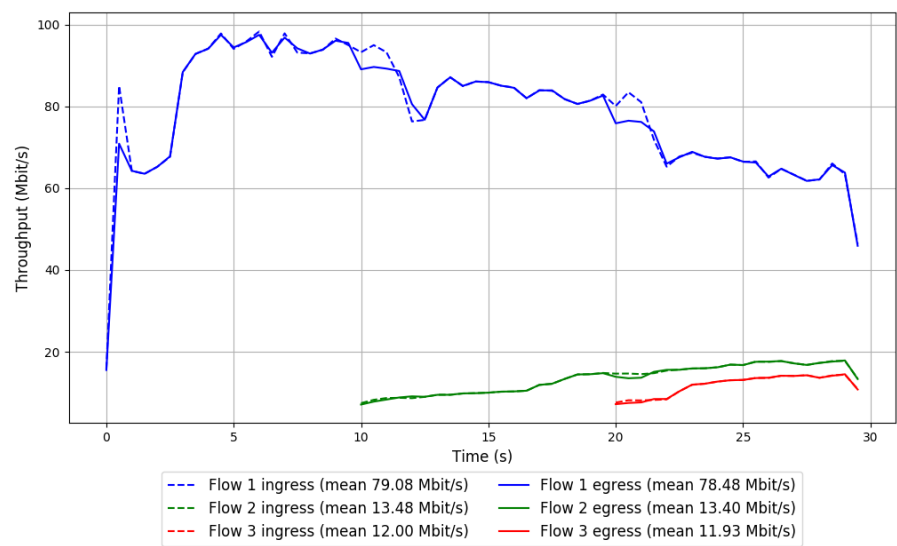


Run 1: Statistics of PCC

Start at: 2018-01-10 02:46:15
End at: 2018-01-10 02:46:45
Local clock offset: 2.436 ms
Remote clock offset: -13.866 ms

Below is generated by plot.py at 2018-01-10 06:30:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 21.148 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 78.48 Mbit/s
95th percentile per-packet one-way delay: 21.533 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 22.171 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 16.951 ms
Loss rate: 0.54%

Run 1: Report of PCC — Data Link

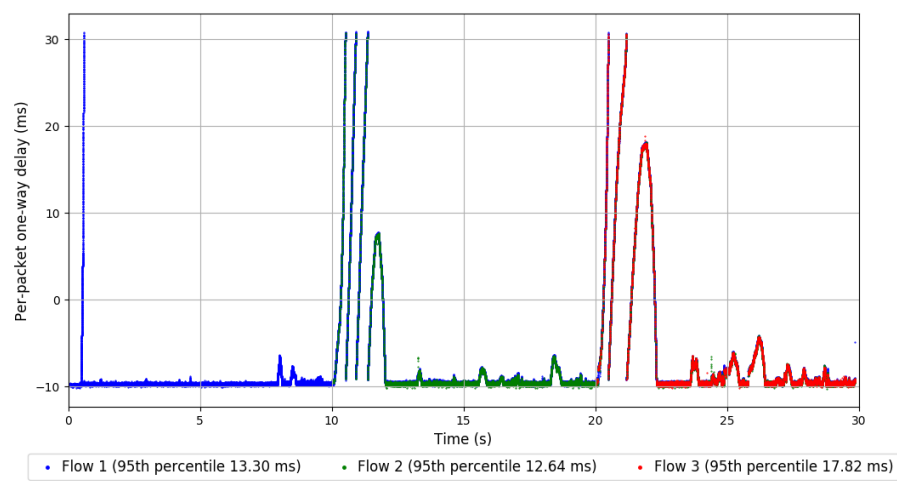
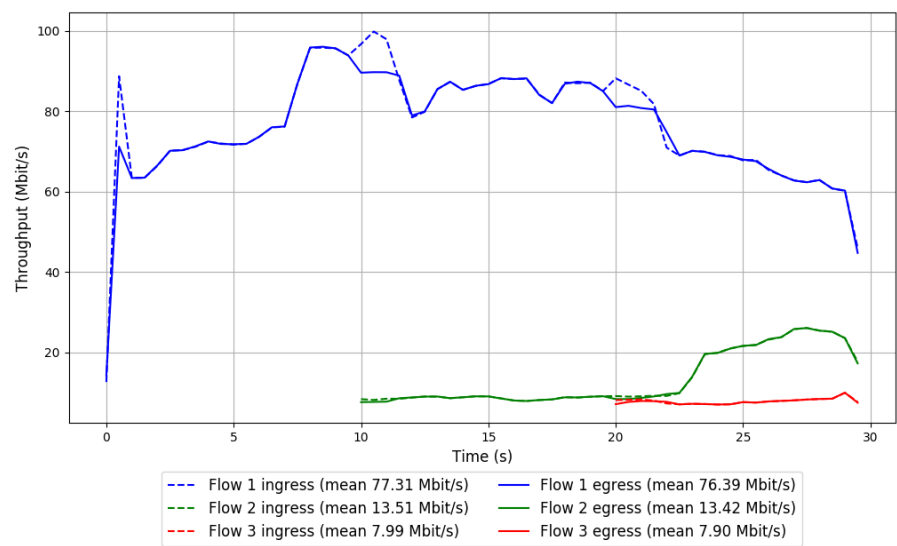


Run 2: Statistics of PCC

Start at: 2018-01-10 03:04:13
End at: 2018-01-10 03:04:43
Local clock offset: 5.814 ms
Remote clock offset: -16.129 ms

Below is generated by plot.py at 2018-01-10 06:30:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.92 Mbit/s
95th percentile per-packet one-way delay: 13.687 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 13.304 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 12.640 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 17.822 ms
Loss rate: 1.15%

Run 2: Report of PCC — Data Link

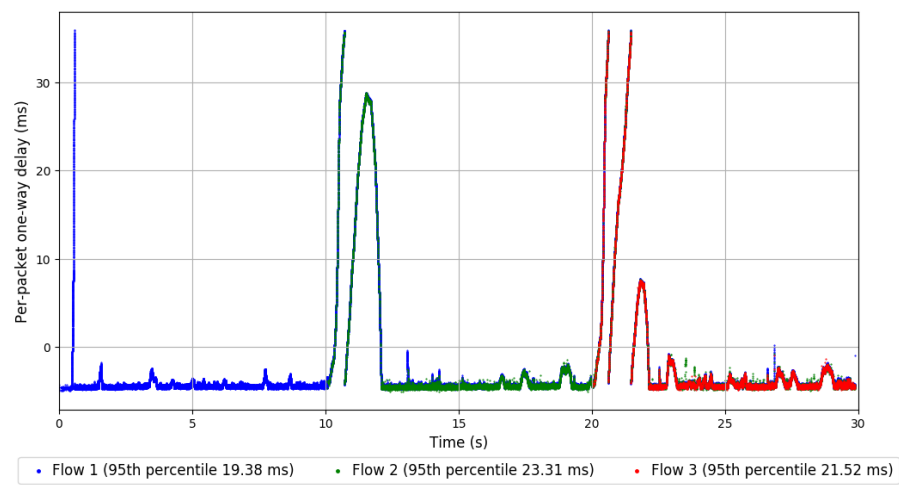
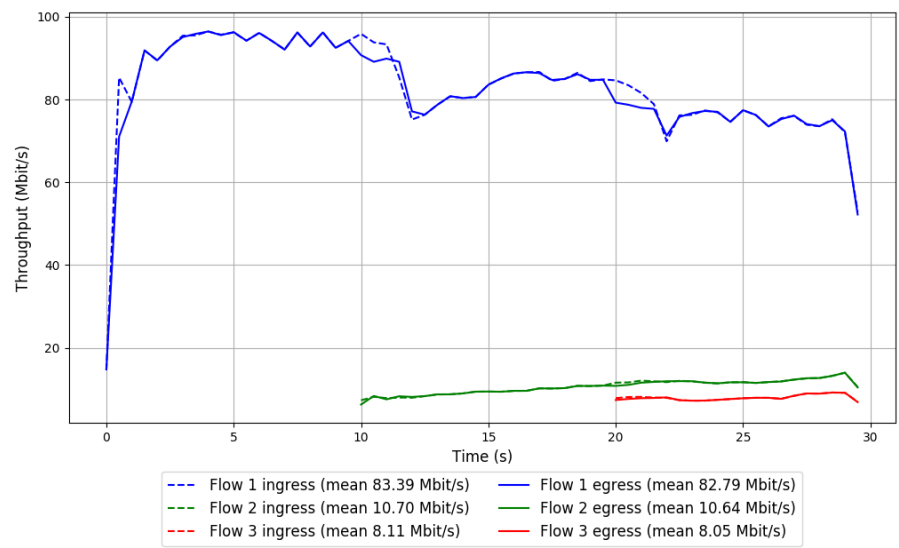


Run 3: Statistics of PCC

Start at: 2018-01-10 03:22:13
End at: 2018-01-10 03:22:43
Local clock offset: 3.547 ms
Remote clock offset: -13.95 ms

Below is generated by plot.py at 2018-01-10 06:31:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 19.905 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 82.79 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 23.308 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 21.525 ms
Loss rate: 0.80%

Run 3: Report of PCC — Data Link

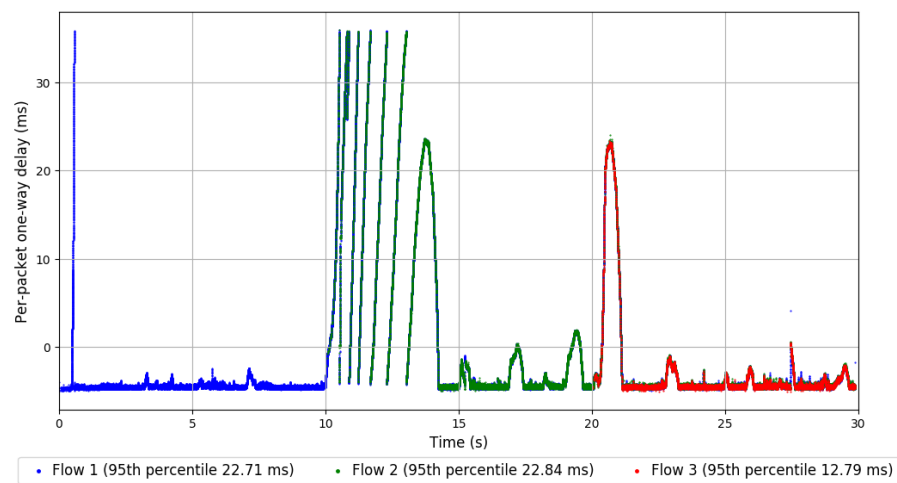
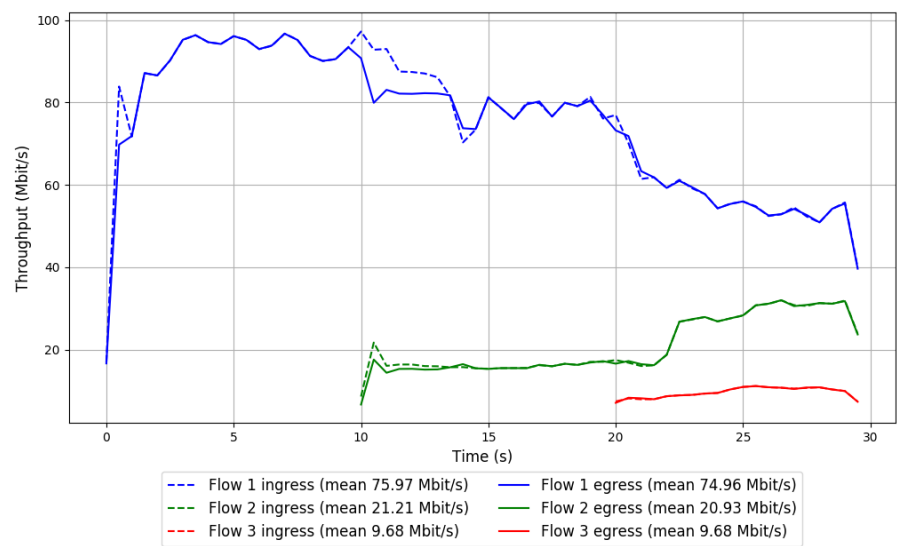


Run 4: Statistics of PCC

Start at: 2018-01-10 03:40:10
End at: 2018-01-10 03:40:40
Local clock offset: 1.828 ms
Remote clock offset: -15.396 ms

Below is generated by plot.py at 2018-01-10 06:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 22.618 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 22.709 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 22.841 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 12.789 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

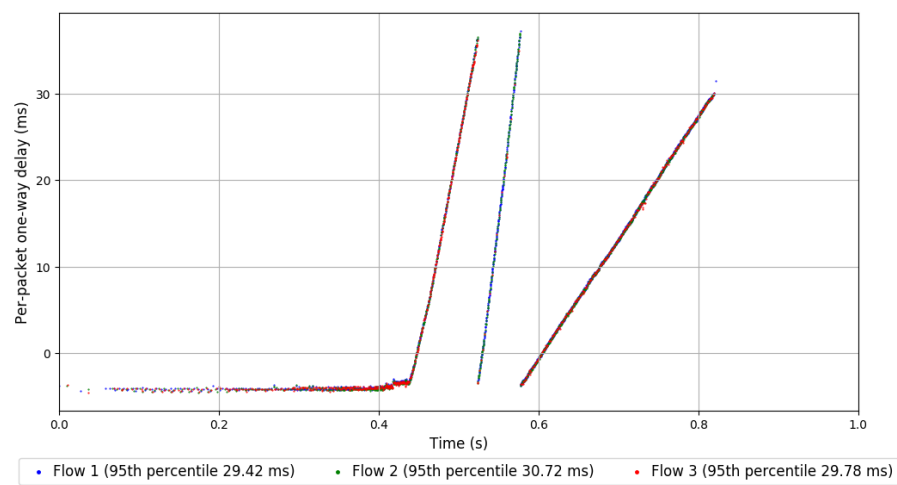
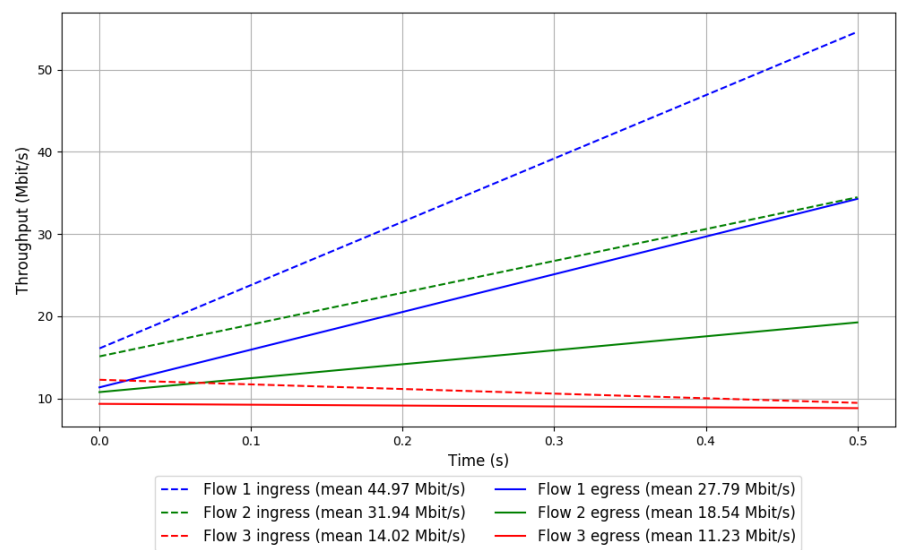
Start at: 2018-01-10 03:58:31

End at: 2018-01-10 03:59:01

Local clock offset: 1.901 ms

Remote clock offset: -14.143 ms

Run 5: Report of PCC — Data Link

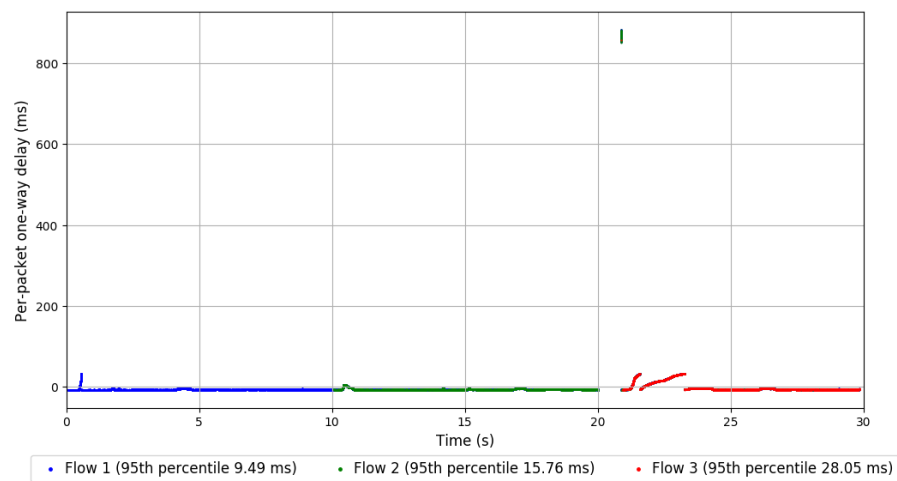
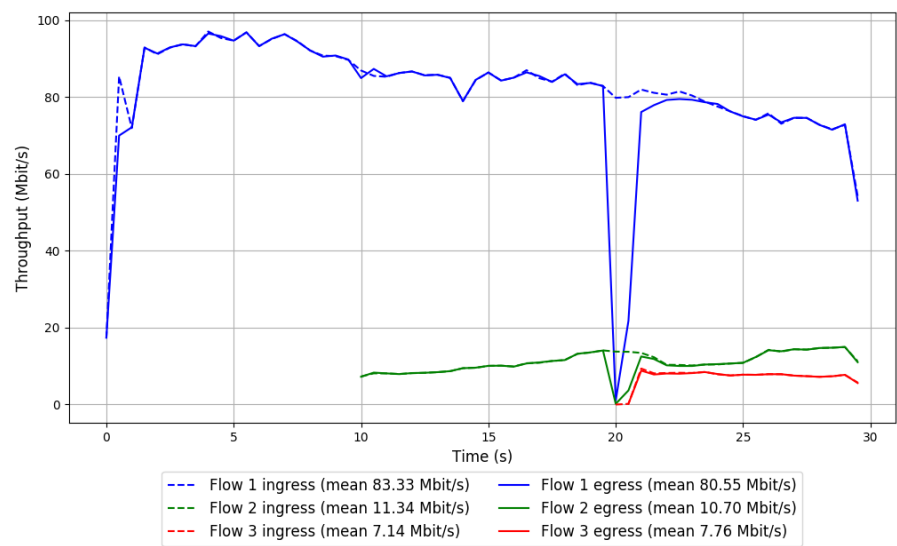


Run 6: Statistics of PCC

Start at: 2018-01-10 04:16:41
End at: 2018-01-10 04:17:11
Local clock offset: 5.734 ms
Remote clock offset: -13.156 ms

Below is generated by plot.py at 2018-01-10 06:31:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 12.429 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 80.55 Mbit/s
95th percentile per-packet one-way delay: 9.492 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 15.763 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 28.054 ms
Loss rate: 0.91%

Run 6: Report of PCC — Data Link

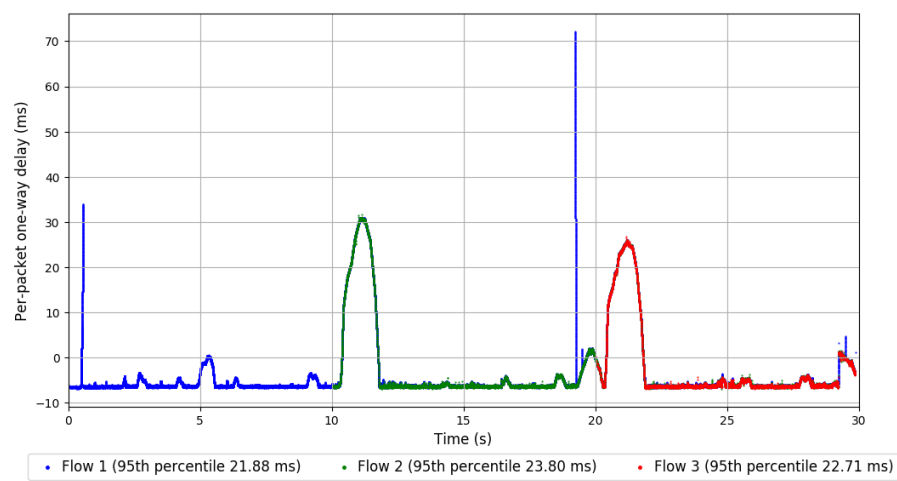
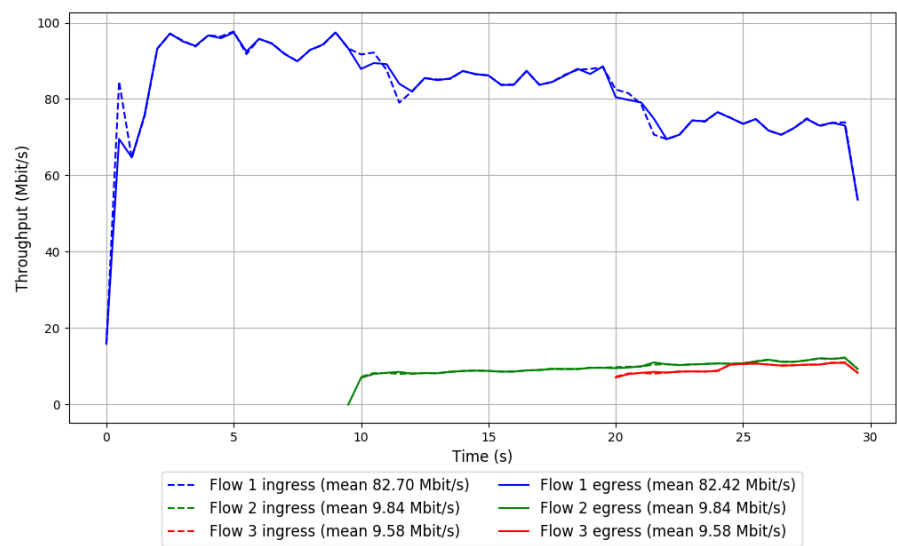


Run 7: Statistics of PCC

Start at: 2018-01-10 04:34:44
End at: 2018-01-10 04:35:14
Local clock offset: 3.992 ms
Remote clock offset: -15.241 ms

Below is generated by plot.py at 2018-01-10 06:32:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 22.253 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 21.878 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 9.84 Mbit/s
95th percentile per-packet one-way delay: 23.796 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 22.711 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

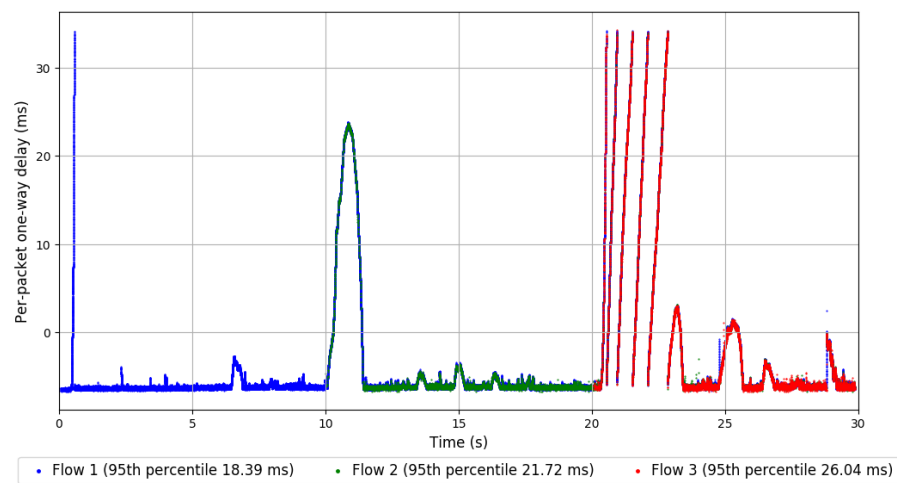
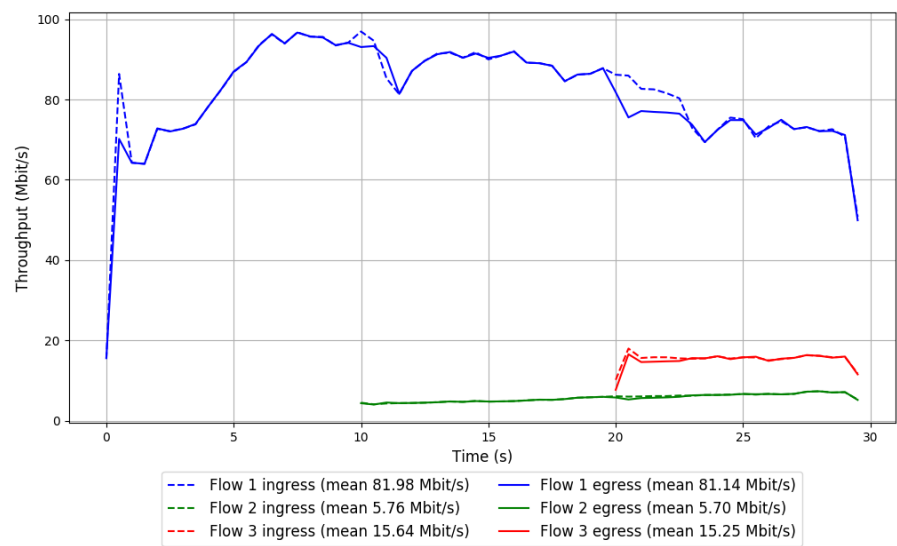


Run 8: Statistics of PCC

Start at: 2018-01-10 04:53:04
End at: 2018-01-10 04:53:34
Local clock offset: 4.633 ms
Remote clock offset: -14.523 ms

Below is generated by plot.py at 2018-01-10 06:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 18.388 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 21.719 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 26.042 ms
Loss rate: 2.52%

Run 8: Report of PCC — Data Link

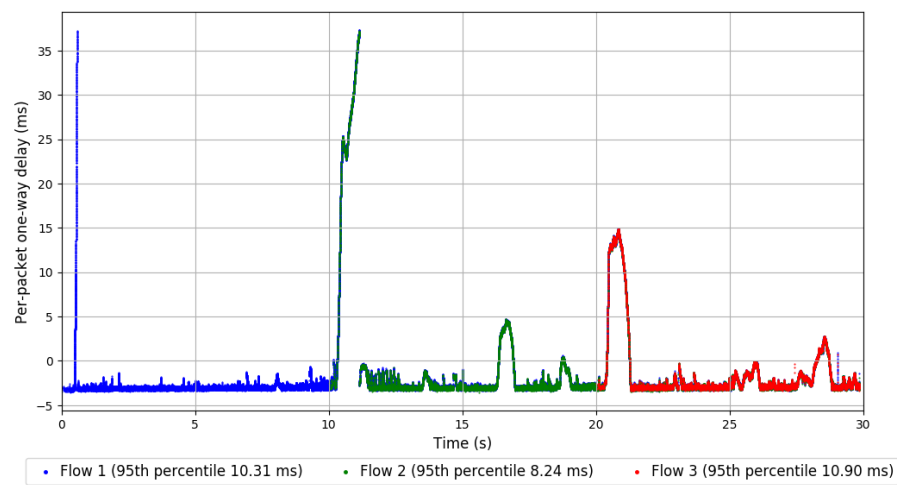
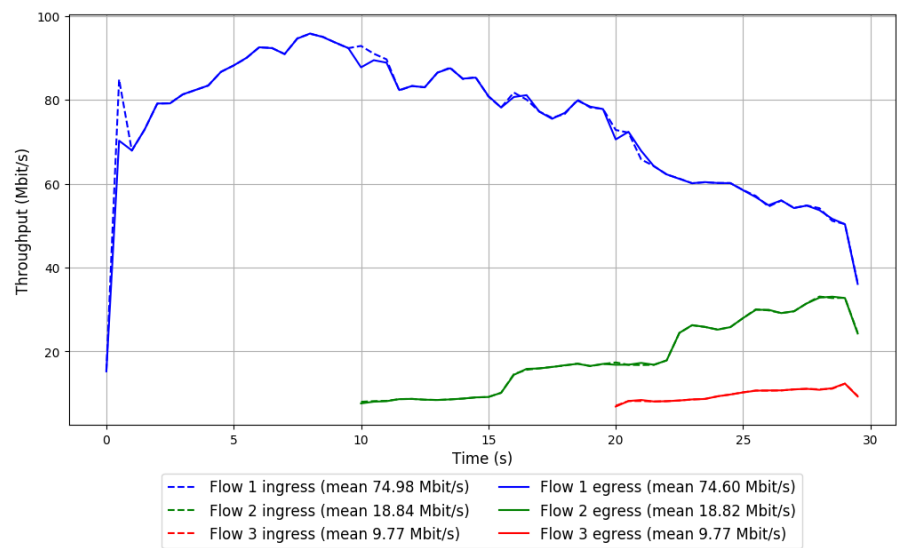


Run 9: Statistics of PCC

Start at: 2018-01-10 05:11:17
End at: 2018-01-10 05:11:47
Local clock offset: 3.392 ms
Remote clock offset: -11.937 ms

Below is generated by plot.py at 2018-01-10 06:33:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 10.109 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 10.312 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 8.237 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 10.905 ms
Loss rate: 0.01%

Run 9: Report of PCC — Data Link

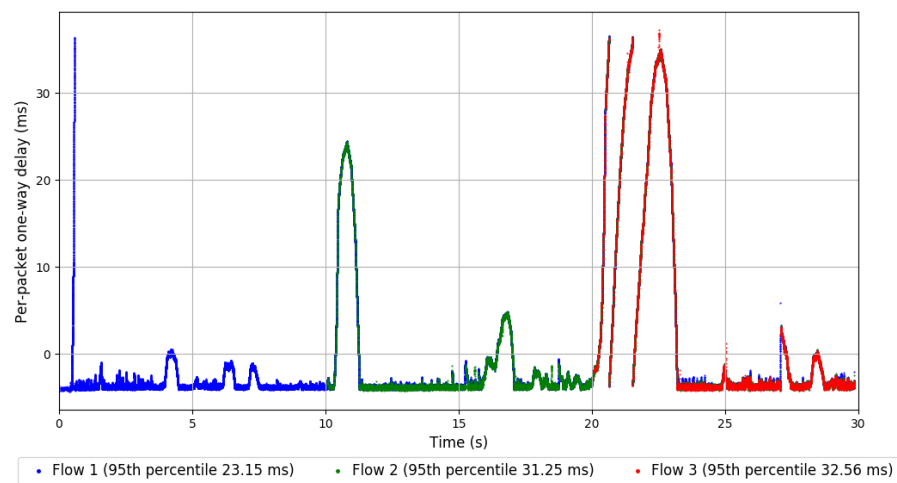
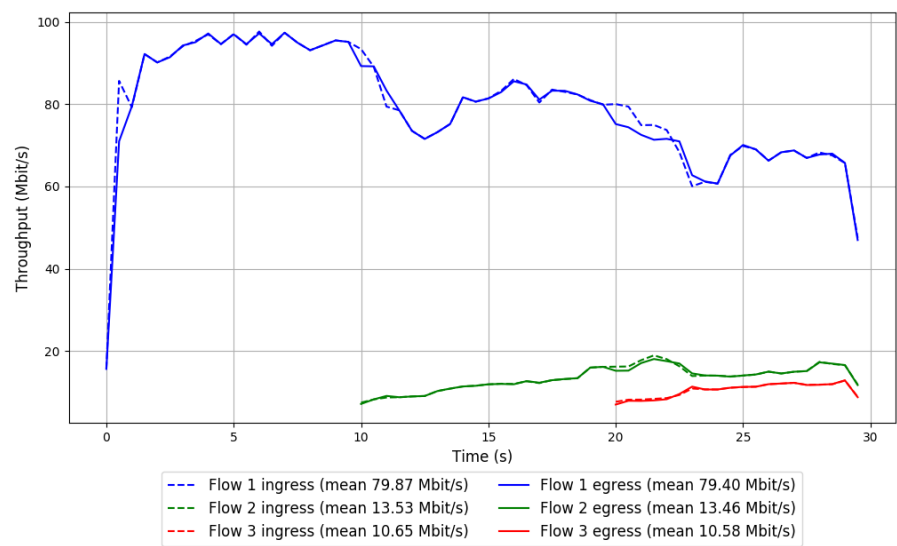


Run 10: Statistics of PCC

Start at: 2018-01-10 05:29:42
End at: 2018-01-10 05:30:12
Local clock offset: 4.033 ms
Remote clock offset: -12.481 ms

Below is generated by plot.py at 2018-01-10 06:33:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 24.088 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 23.149 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 31.253 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 10.58 Mbit/s
95th percentile per-packet one-way delay: 32.561 ms
Loss rate: 0.63%

Run 10: Report of PCC — Data Link

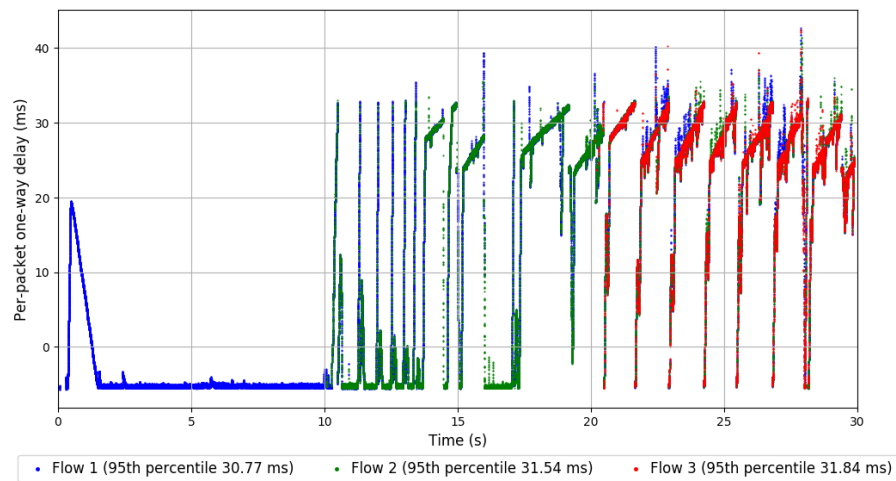
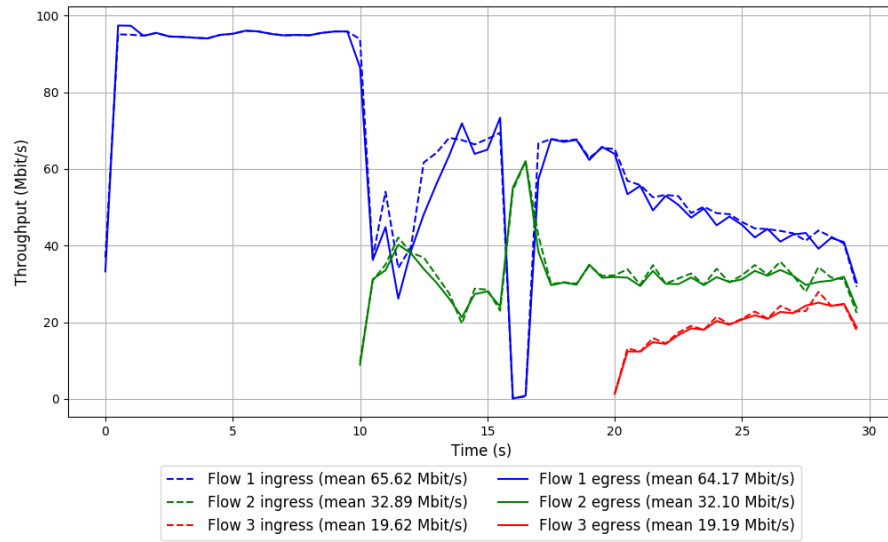


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-10 02:35:24
End at: 2018-01-10 02:35:54
Local clock offset: 2.251 ms
Remote clock offset: -15.287 ms

Below is generated by plot.py at 2018-01-10 06:33:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 31.115 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 30.770 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 31.542 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 19.19 Mbit/s
95th percentile per-packet one-way delay: 31.845 ms
Loss rate: 2.19%

Run 1: Report of QUIC Cubic — Data Link

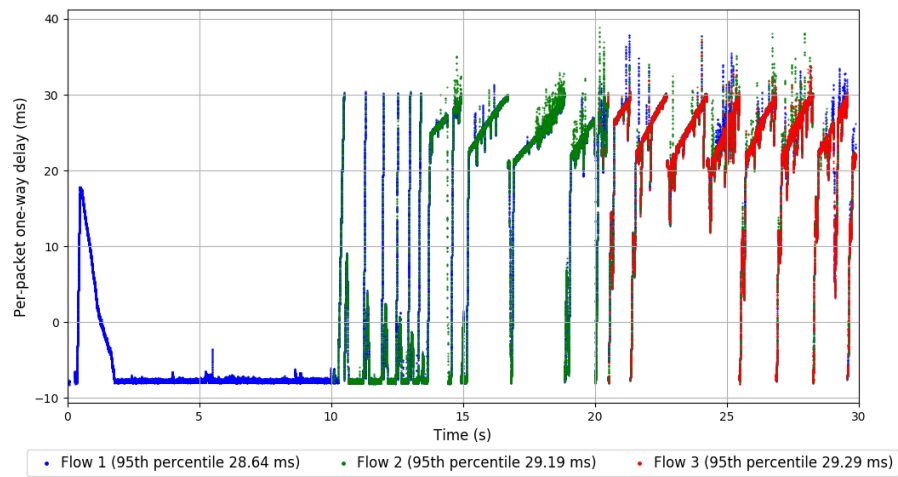
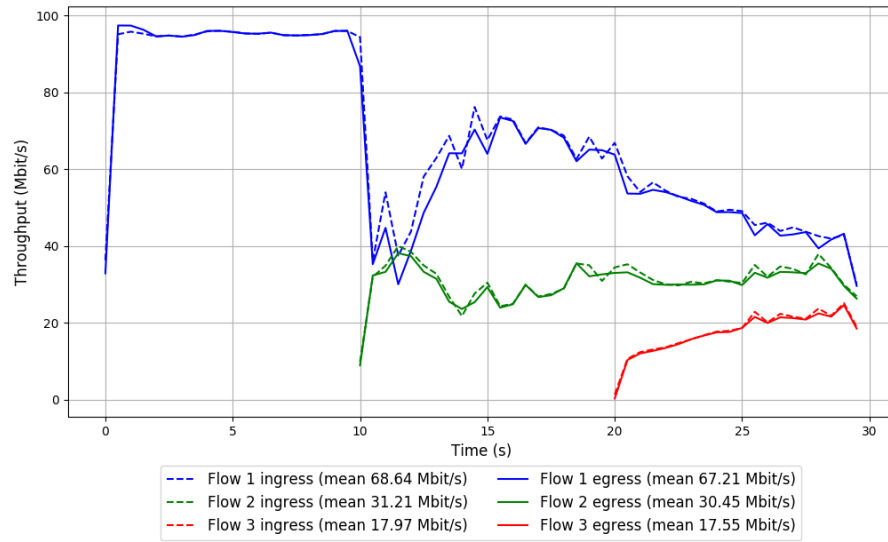


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-10 02:53:25
End at: 2018-01-10 02:53:55
Local clock offset: 4.274 ms
Remote clock offset: -16.665 ms

Below is generated by plot.py at 2018-01-10 06:33:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 28.856 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 28.637 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 29.194 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 29.286 ms
Loss rate: 2.39%

Run 2: Report of QUIC Cubic — Data Link

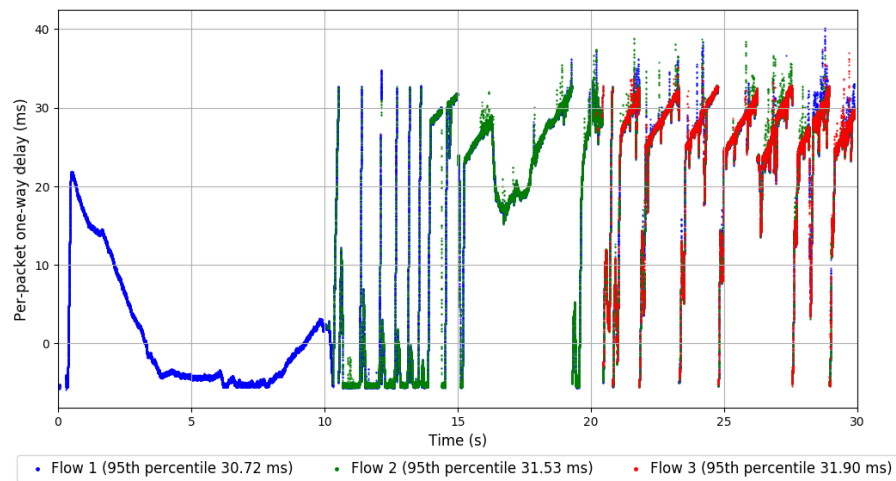
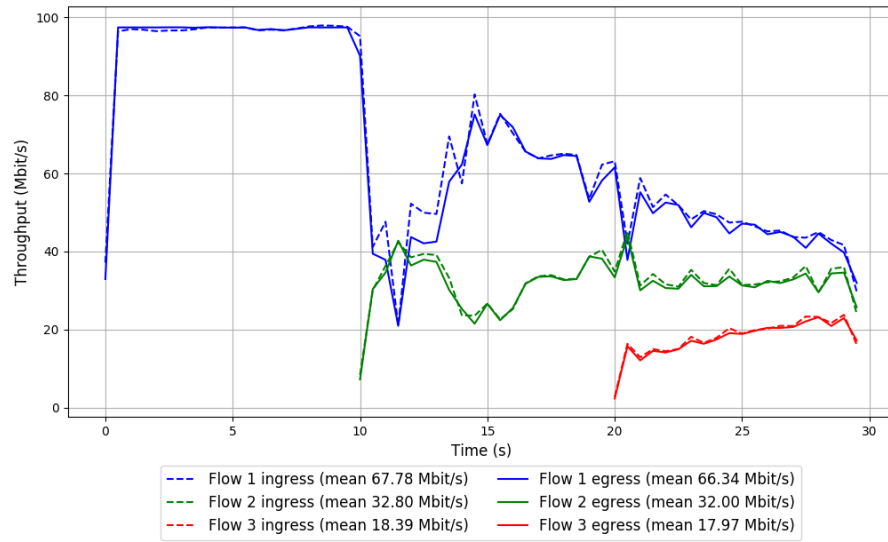


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-10 03:11:37
End at: 2018-01-10 03:12:07
Local clock offset: 4.389 ms
Remote clock offset: -13.487 ms

Below is generated by plot.py at 2018-01-10 06:33:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.065 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 66.34 Mbit/s
95th percentile per-packet one-way delay: 30.717 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 31.532 ms
Loss rate: 2.31%
-- Flow 3:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 31.901 ms
Loss rate: 2.30%

Run 3: Report of QUIC Cubic — Data Link

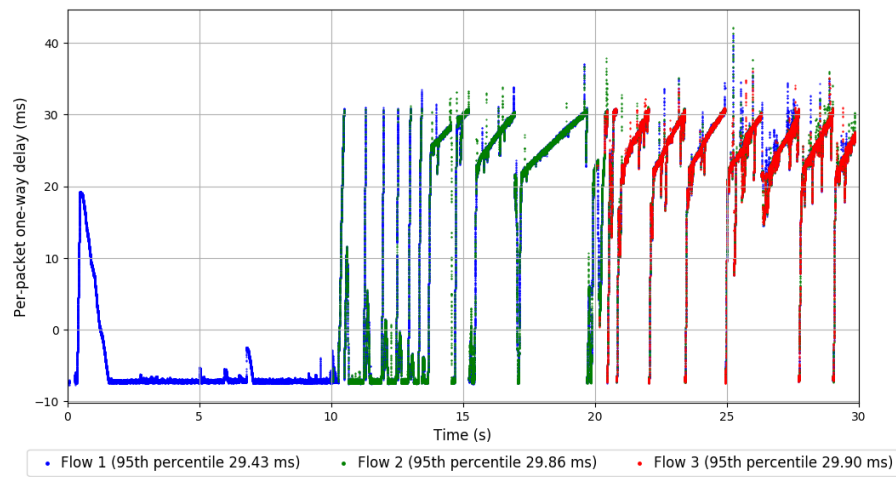
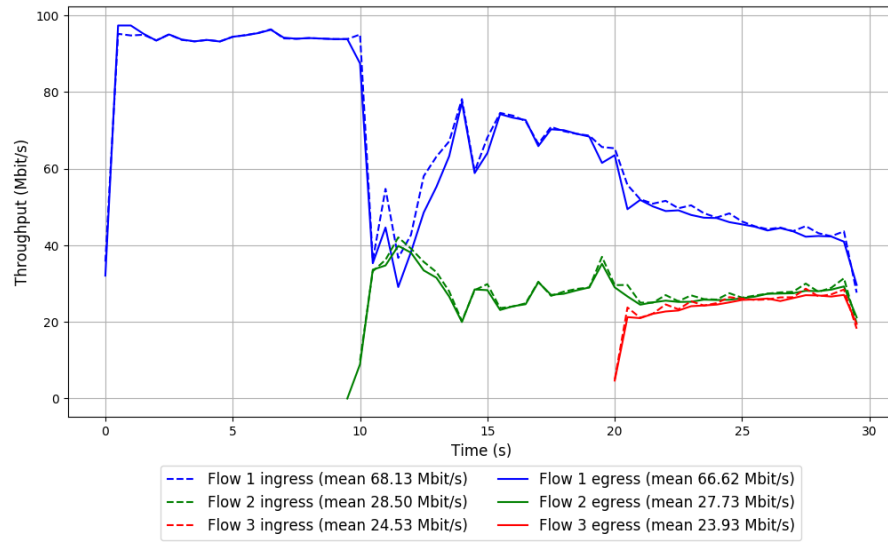


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-10 03:29:24
End at: 2018-01-10 03:29:54
Local clock offset: 5.825 ms
Remote clock offset: -14.676 ms

Below is generated by plot.py at 2018-01-10 06:33:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 29.593 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 29.435 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 29.856 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 29.902 ms
Loss rate: 2.39%

Run 4: Report of QUIC Cubic — Data Link

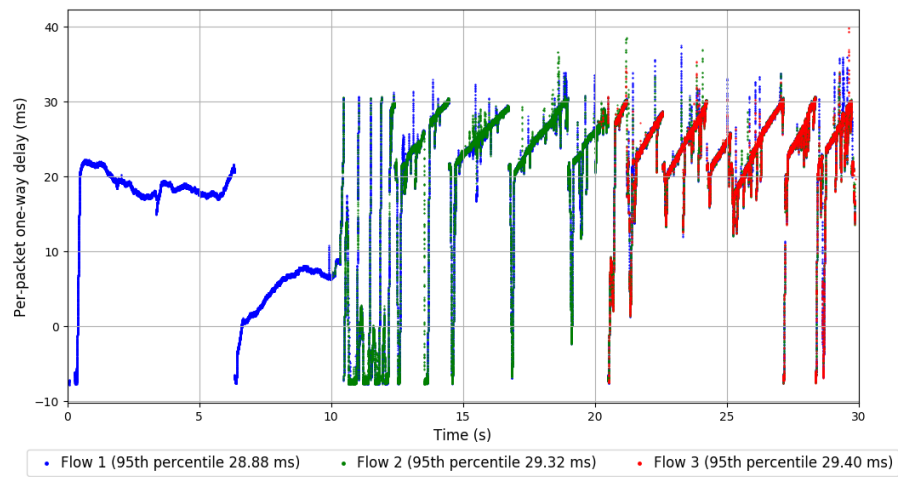
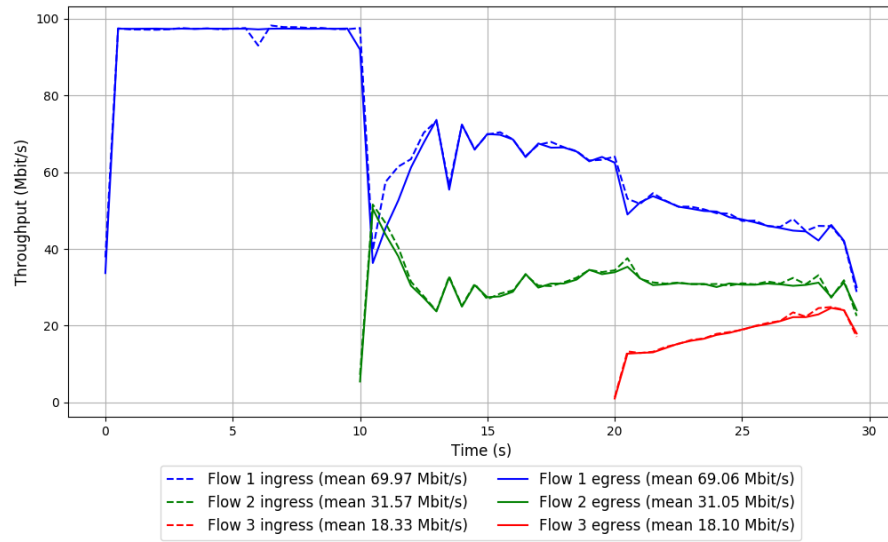


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-10 03:47:23
End at: 2018-01-10 03:47:53
Local clock offset: 3.486 ms
Remote clock offset: -16.363 ms

Below is generated by plot.py at 2018-01-10 06:35:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 29.026 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 69.06 Mbit/s
95th percentile per-packet one-way delay: 28.882 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 29.318 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 18.10 Mbit/s
95th percentile per-packet one-way delay: 29.400 ms
Loss rate: 1.33%

Run 5: Report of QUIC Cubic — Data Link

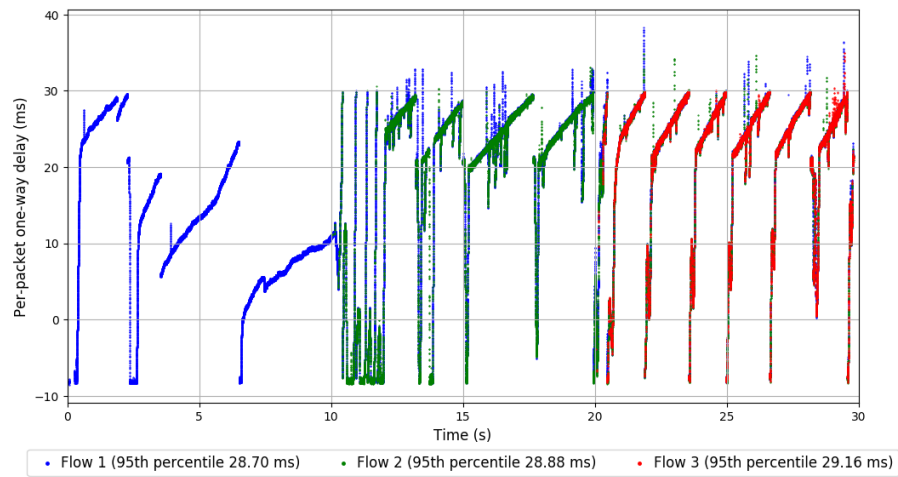
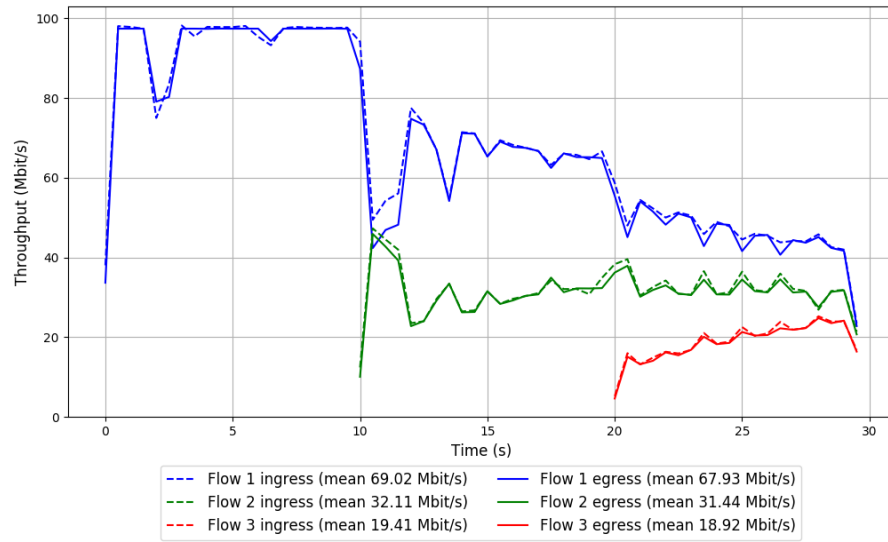


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-10 04:05:43
End at: 2018-01-10 04:06:13
Local clock offset: 4.703 ms
Remote clock offset: -15.206 ms

Below is generated by plot.py at 2018-01-10 06:35:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 28.772 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 67.93 Mbit/s
95th percentile per-packet one-way delay: 28.696 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 28.877 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 18.92 Mbit/s
95th percentile per-packet one-way delay: 29.159 ms
Loss rate: 2.26%

Run 6: Report of QUIC Cubic — Data Link

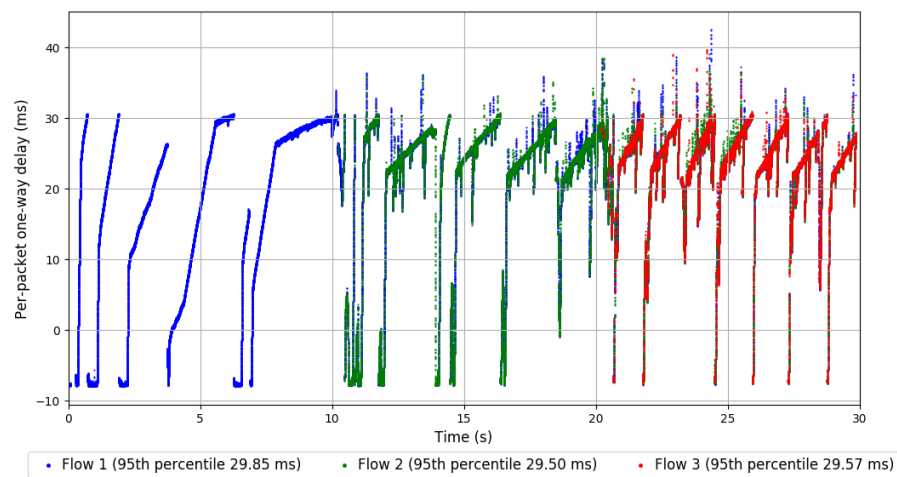
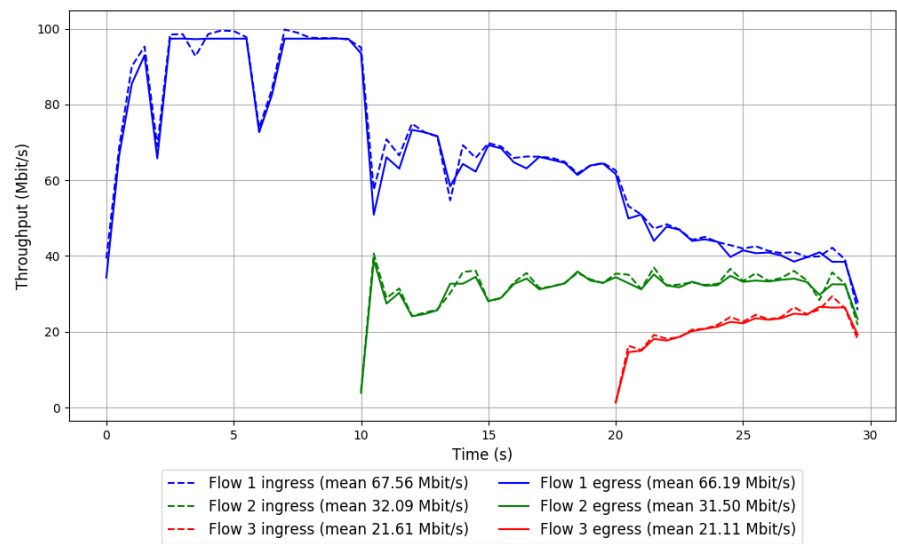


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-10 04:24:01
End at: 2018-01-10 04:24:31
Local clock offset: 3.626 ms
Remote clock offset: -15.972 ms

Below is generated by plot.py at 2018-01-10 06:36:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 29.784 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 66.19 Mbit/s
95th percentile per-packet one-way delay: 29.846 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 29.496 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 29.571 ms
Loss rate: 2.34%

Run 7: Report of QUIC Cubic — Data Link

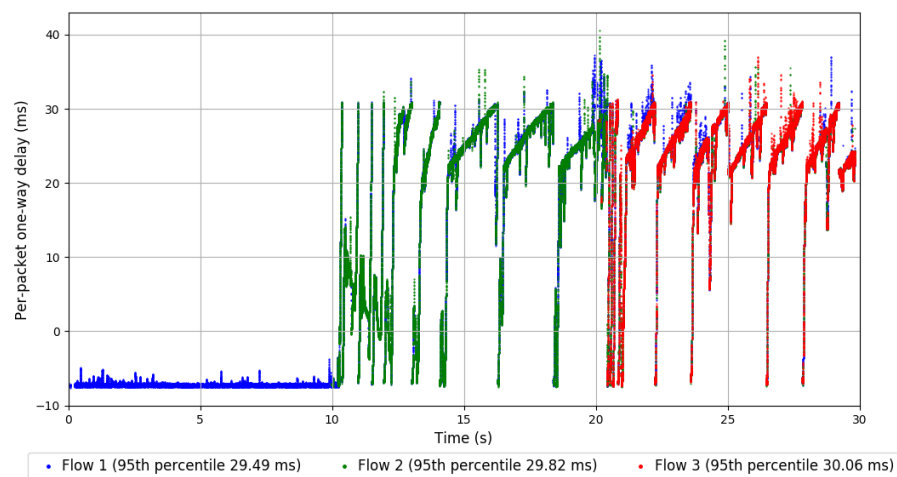
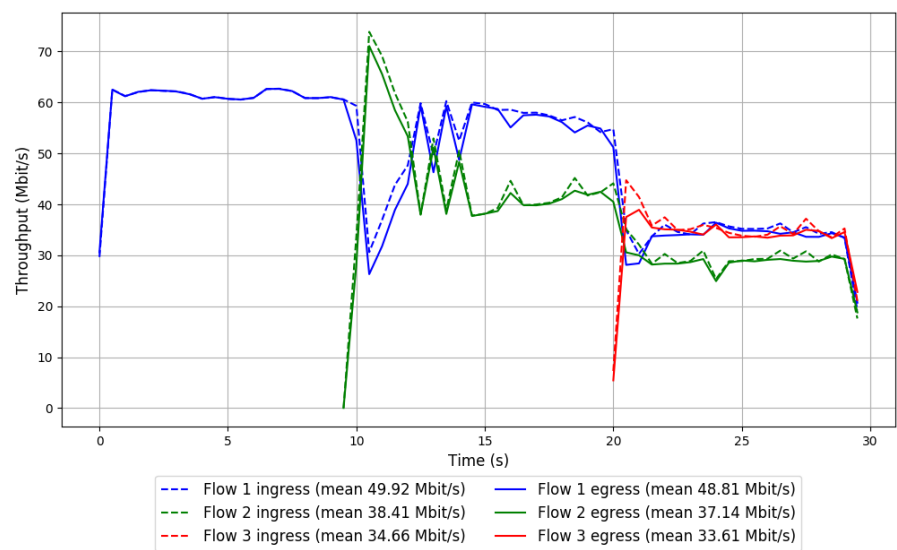


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-10 04:42:17
End at: 2018-01-10 04:42:47
Local clock offset: 6.804 ms
Remote clock offset: -13.458 ms

Below is generated by plot.py at 2018-01-10 06:36:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 29.719 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 29.493 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 29.816 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 30.062 ms
Loss rate: 3.11%

Run 8: Report of QUIC Cubic — Data Link

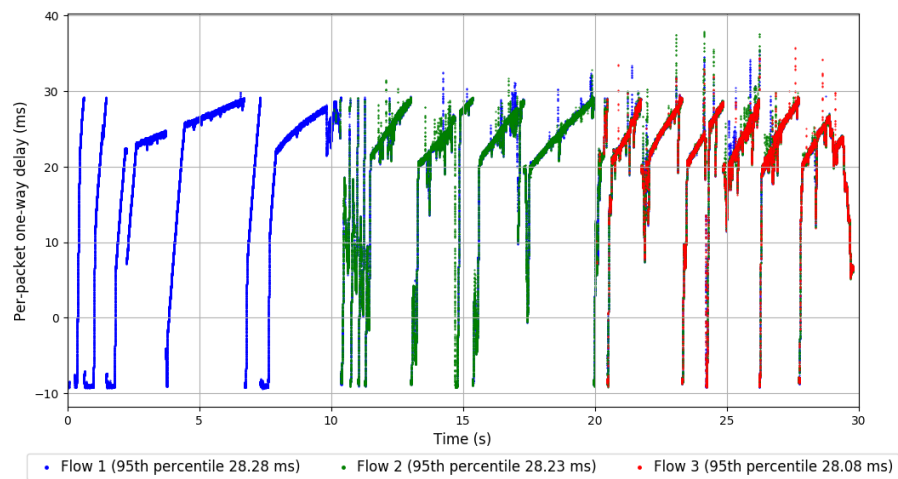
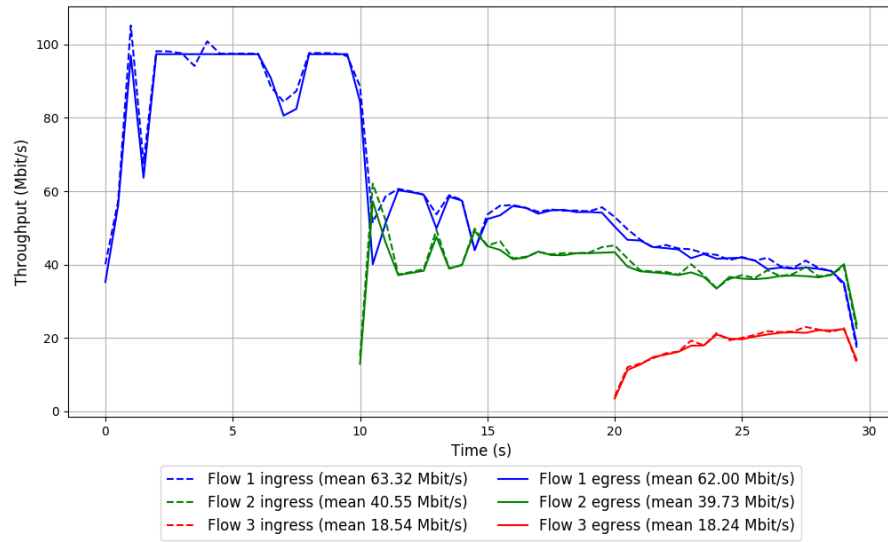


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-10 05:00:19
End at: 2018-01-10 05:00:49
Local clock offset: 7.105 ms
Remote clock offset: -14.519 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 28.258 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 28.279 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 28.235 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 28.077 ms
Loss rate: 1.65%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-10 05:18:46

End at: 2018-01-10 05:19:16

Local clock offset: 3.344 ms

Remote clock offset: -16.115 ms

Below is generated by plot.py at 2018-01-10 06:36:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 29.840 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 29.635 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 44.96 Mbit/s

95th percentile per-packet one-way delay: 29.987 ms

Loss rate: 2.15%

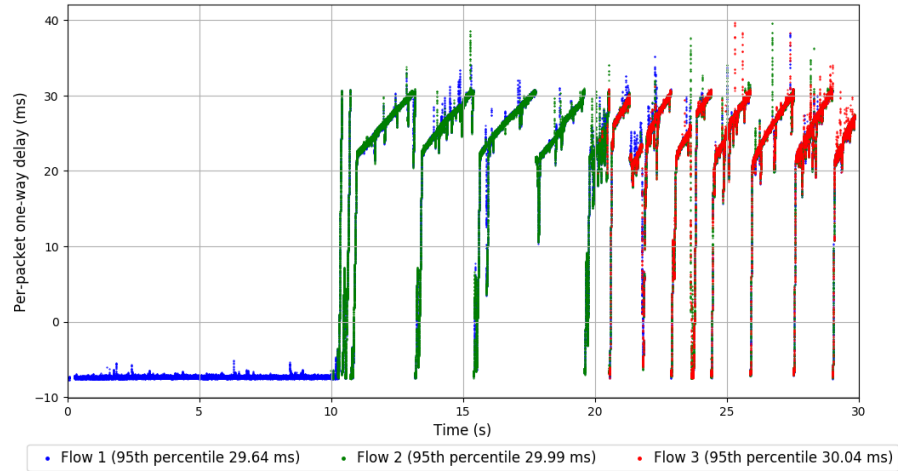
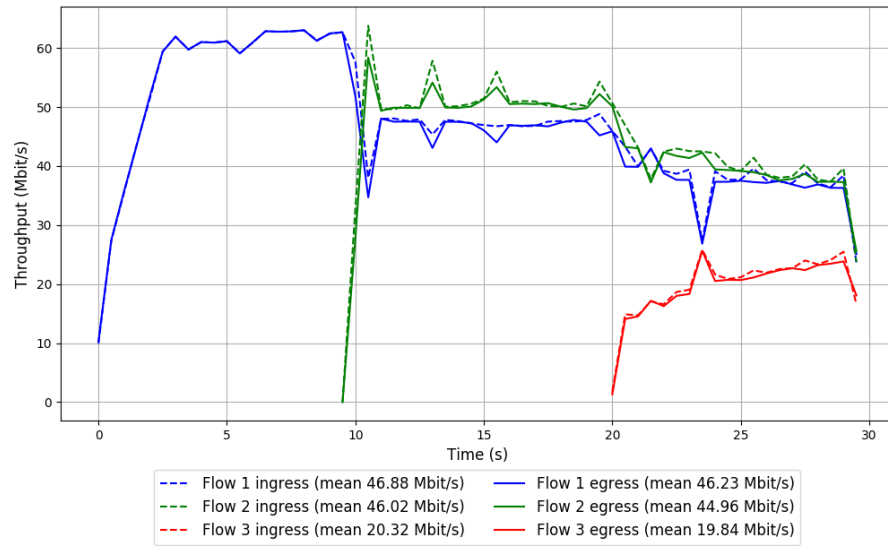
-- Flow 3:

Average throughput: 19.84 Mbit/s

95th percentile per-packet one-way delay: 30.040 ms

Loss rate: 2.27%

Run 10: Report of QUIC Cubic — Data Link

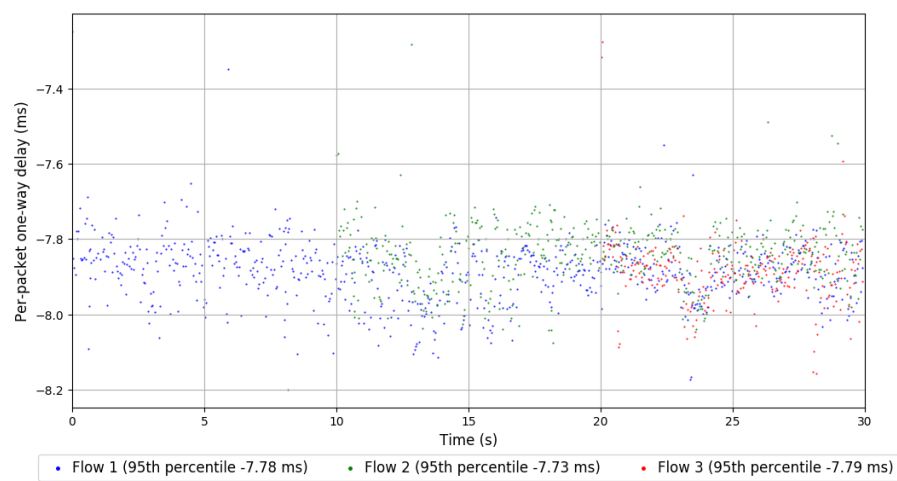
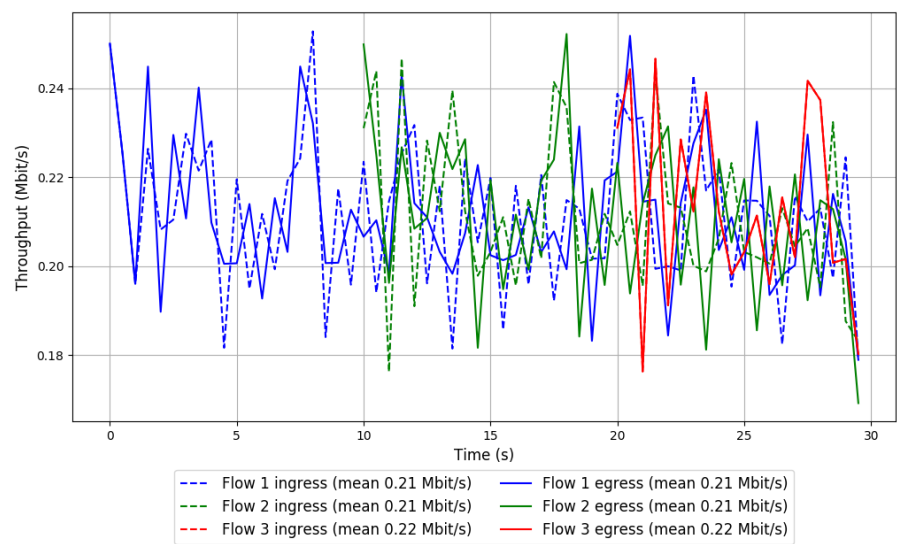


```
Run 1: Statistics of SCReAM

Start at: 2018-01-10 02:41:40
End at: 2018-01-10 02:42:10
Local clock offset: 3.652 ms
Remote clock offset: -16.846 ms

# Below is generated by plot.py at 2018-01-10 06:36:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -7.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.731 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.793 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

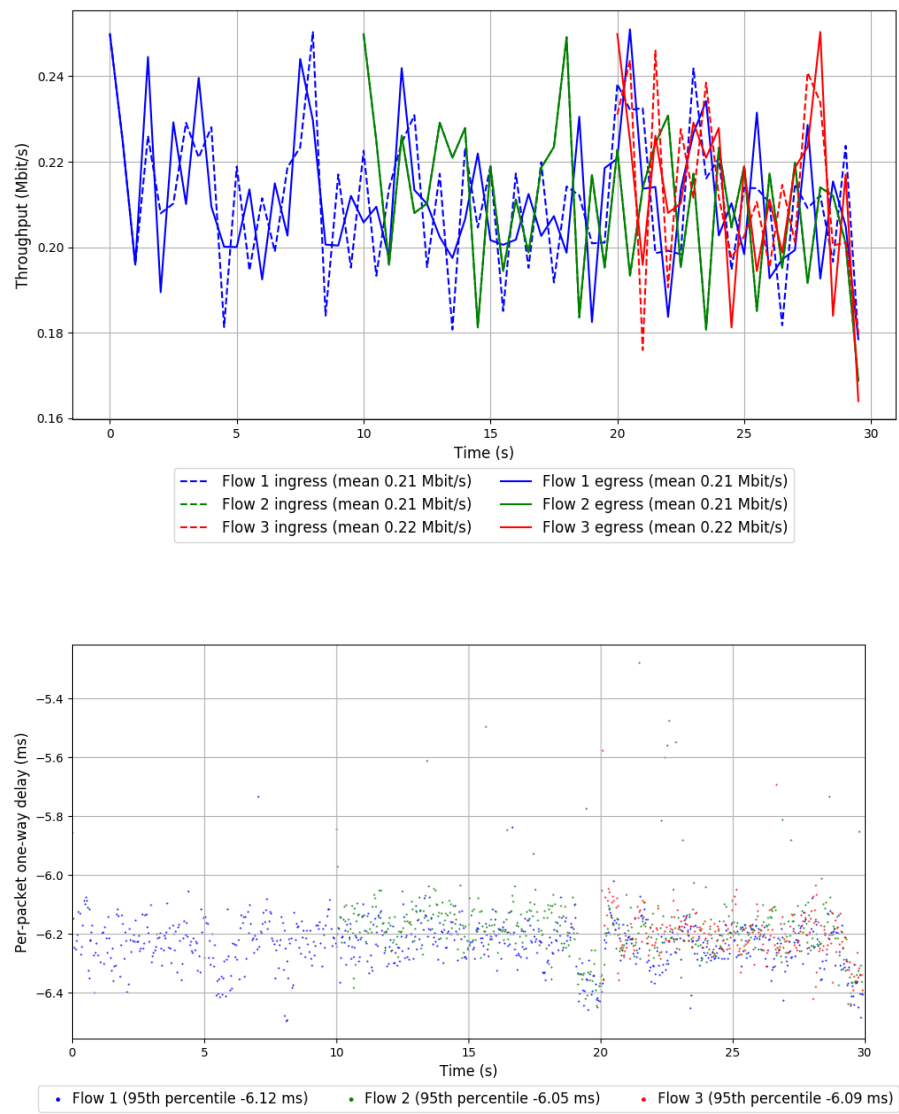


Run 2: Statistics of SReAM

Start at: 2018-01-10 02:59:27
End at: 2018-01-10 02:59:57
Local clock offset: 3.338 ms
Remote clock offset: -15.348 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -6.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.086 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

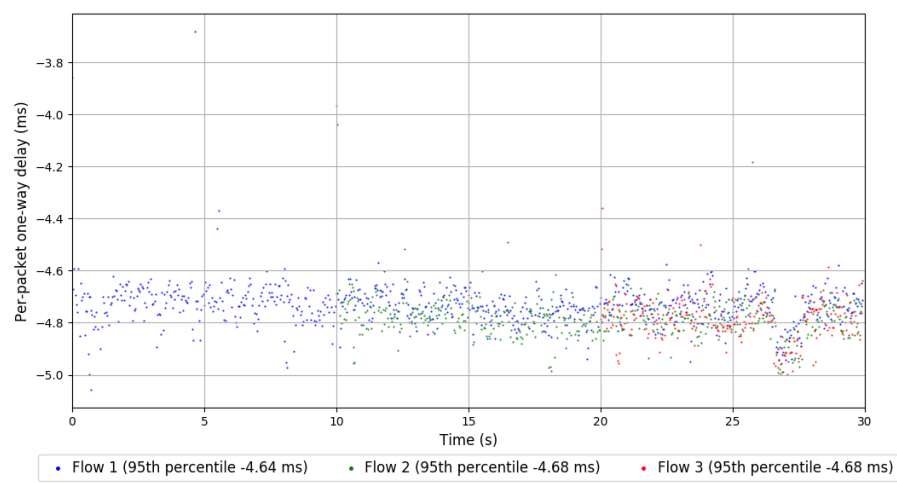
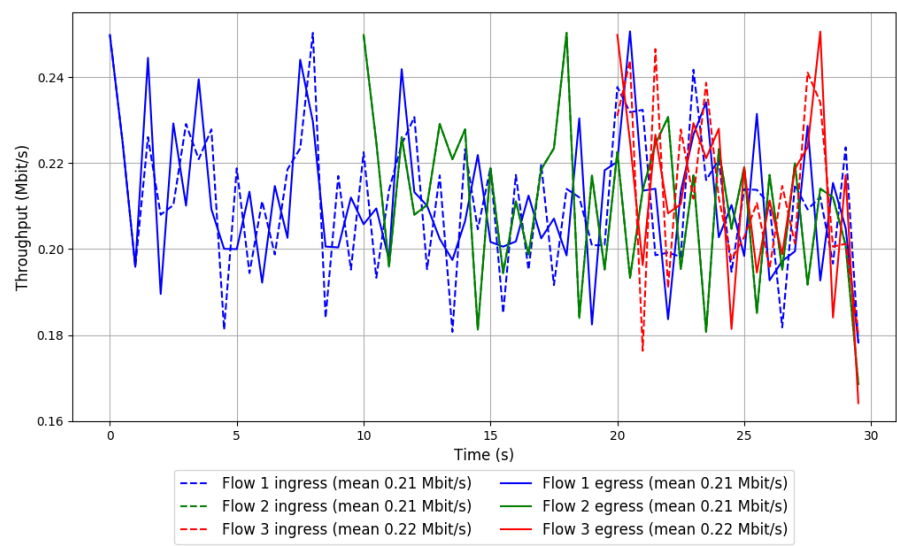


Run 3: Statistics of SReAM

Start at: 2018-01-10 03:17:37
End at: 2018-01-10 03:18:07
Local clock offset: 2.412 ms
Remote clock offset: -14.961 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -4.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.640 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.681 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -4.677 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

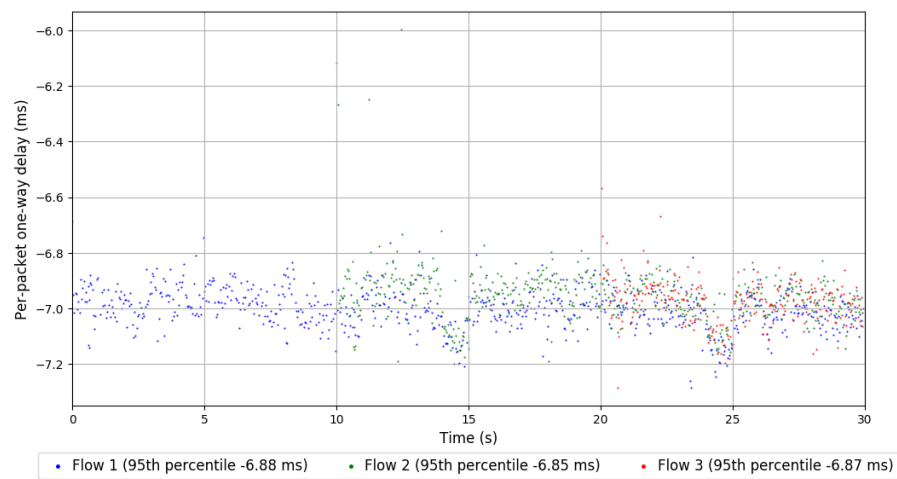
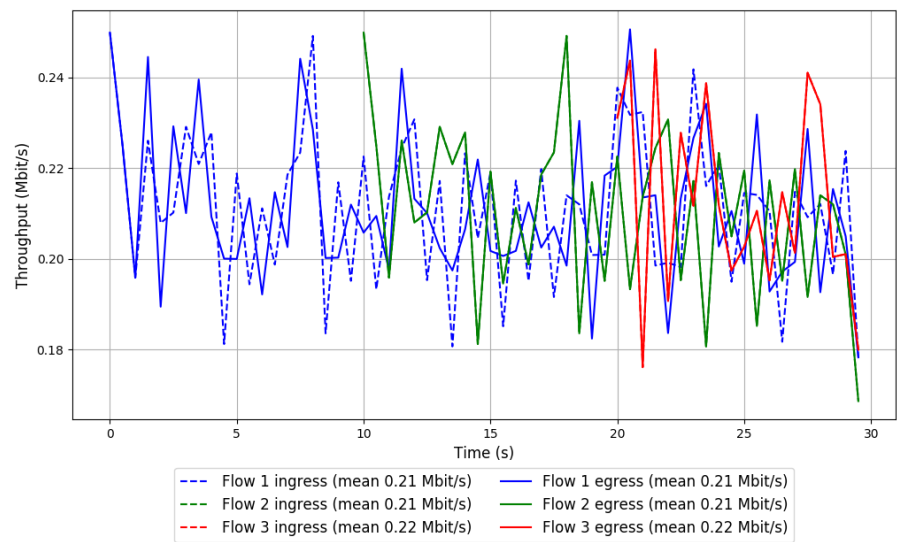


Run 4: Statistics of SReAM

Start at: 2018-01-10 03:35:31
End at: 2018-01-10 03:36:01
Local clock offset: 5.007 ms
Remote clock offset: -14.774 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -6.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.865 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

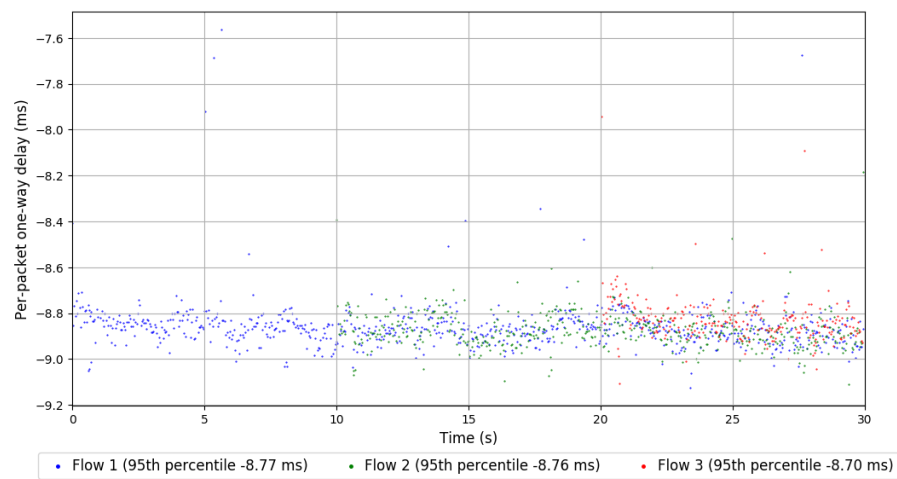
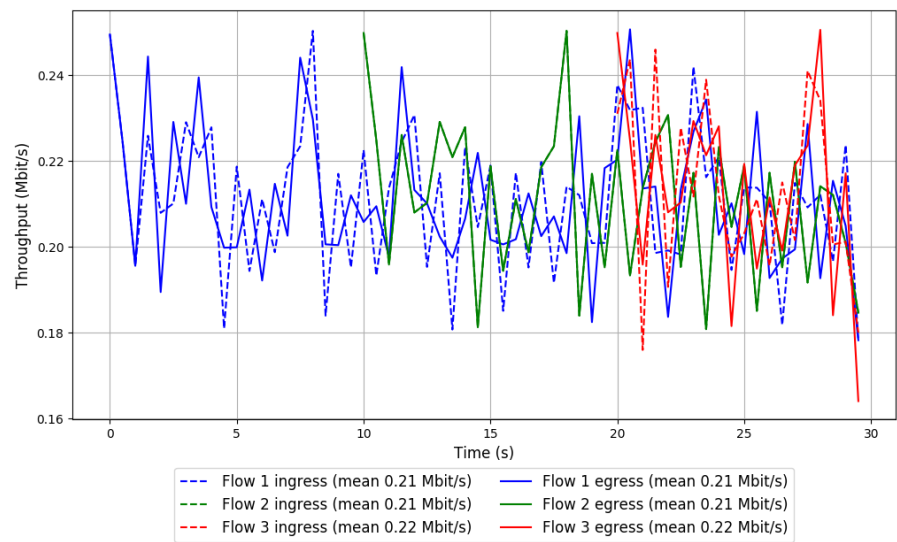


Run 5: Statistics of SReAM

Start at: 2018-01-10 03:53:35
End at: 2018-01-10 03:54:05
Local clock offset: 4.51 ms
Remote clock offset: -16.326 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -8.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -8.702 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

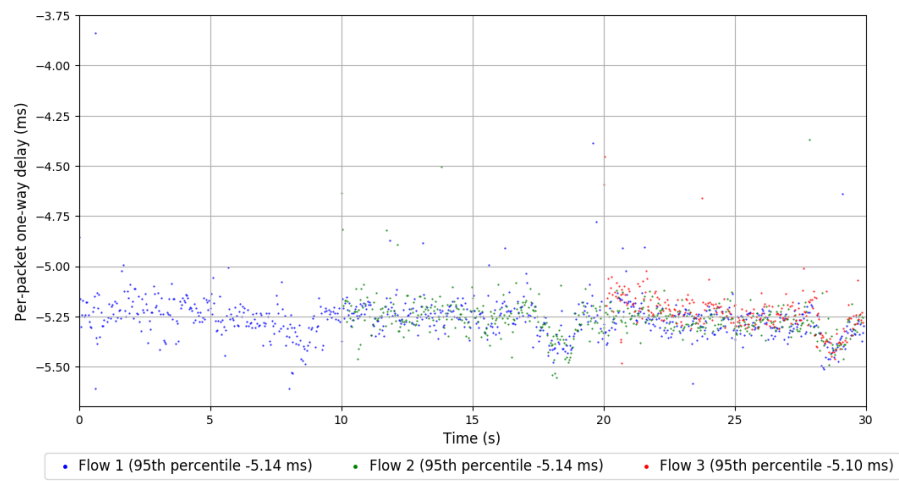
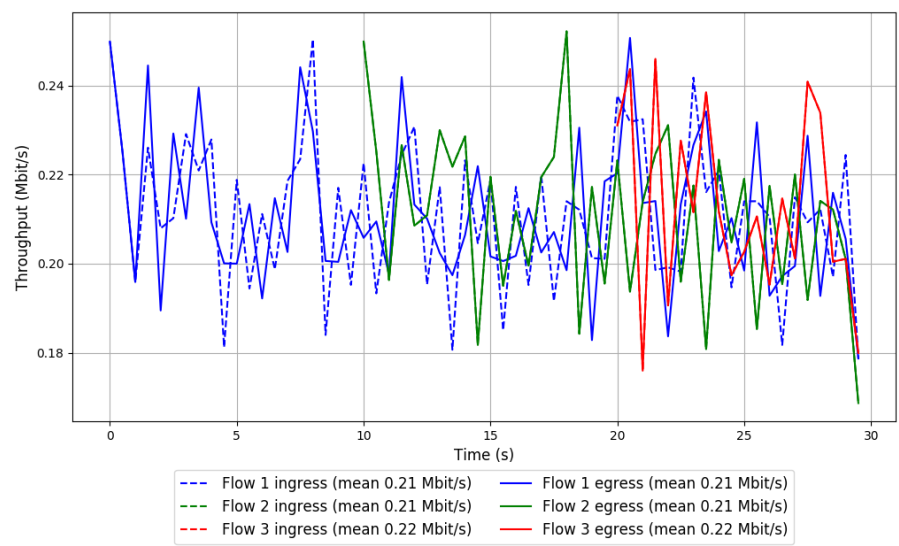


Run 6: Statistics of SReAM

Start at: 2018-01-10 04:11:58
End at: 2018-01-10 04:12:28
Local clock offset: 4.118 ms
Remote clock offset: -12.547 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -5.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -5.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -5.097 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

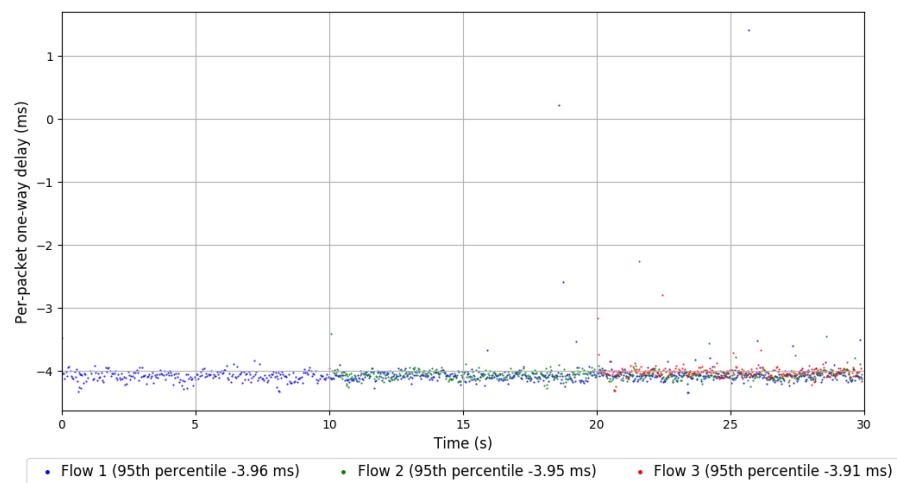
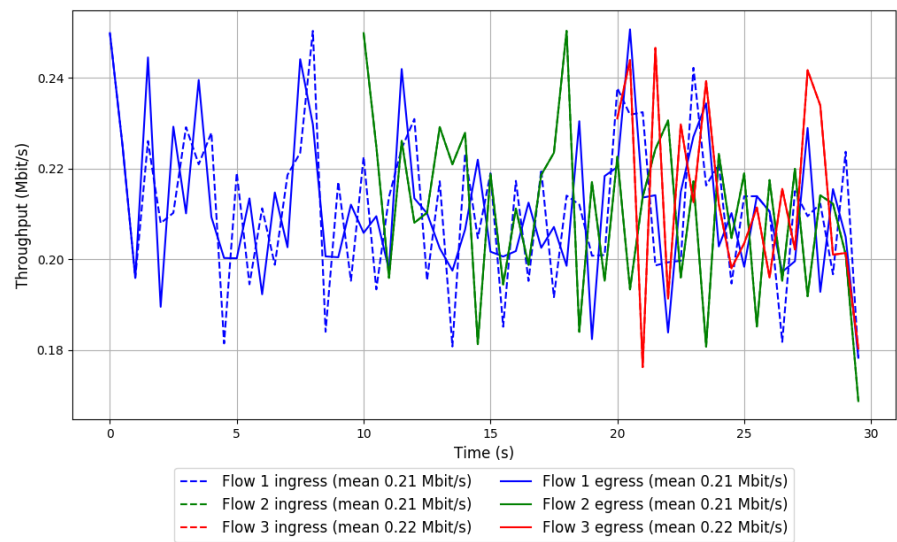


Run 7: Statistics of SReAM

Start at: 2018-01-10 04:30:02
End at: 2018-01-10 04:30:32
Local clock offset: 3.409 ms
Remote clock offset: -12.972 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -3.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -3.912 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

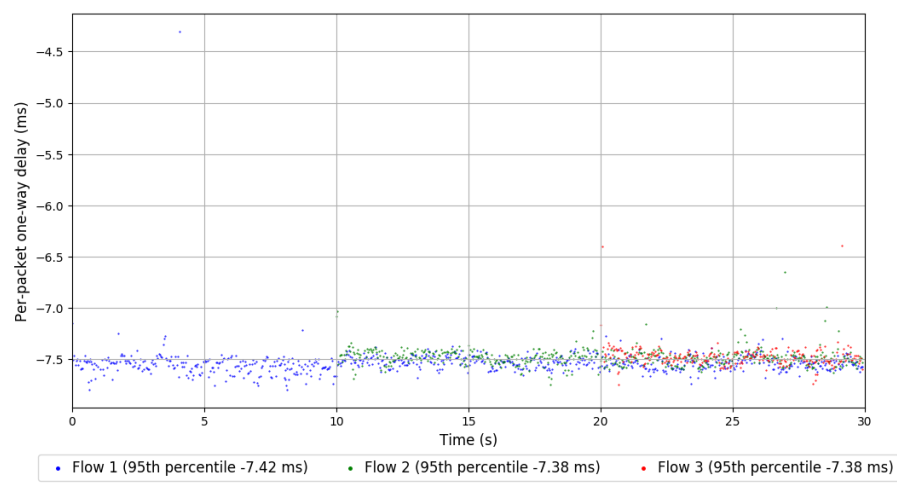
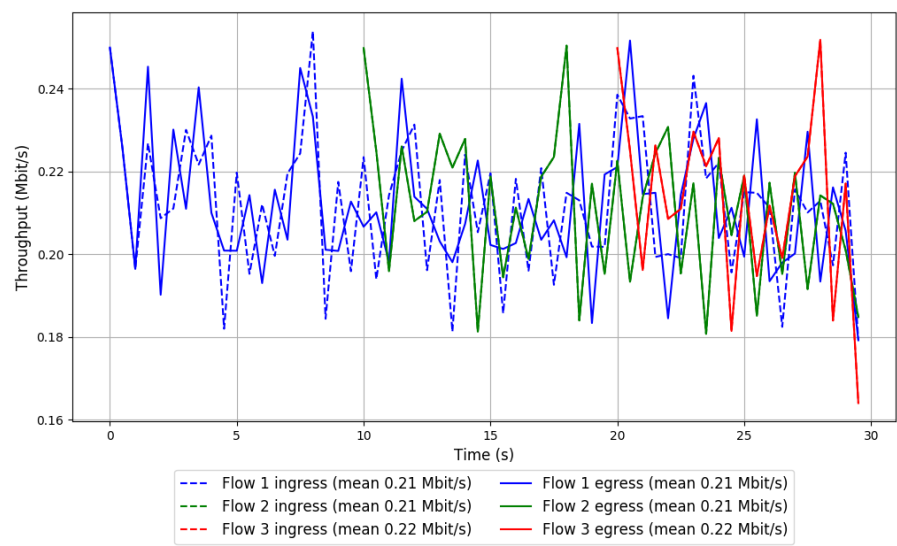


Run 8: Statistics of SReAM

Start at: 2018-01-10 04:48:32
End at: 2018-01-10 04:49:02
Local clock offset: 6.369 ms
Remote clock offset: -13.945 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -7.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -7.377 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

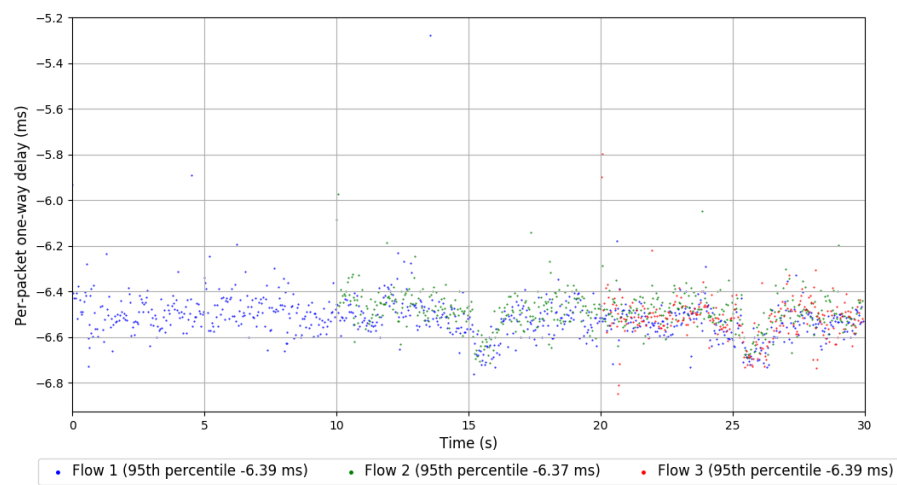
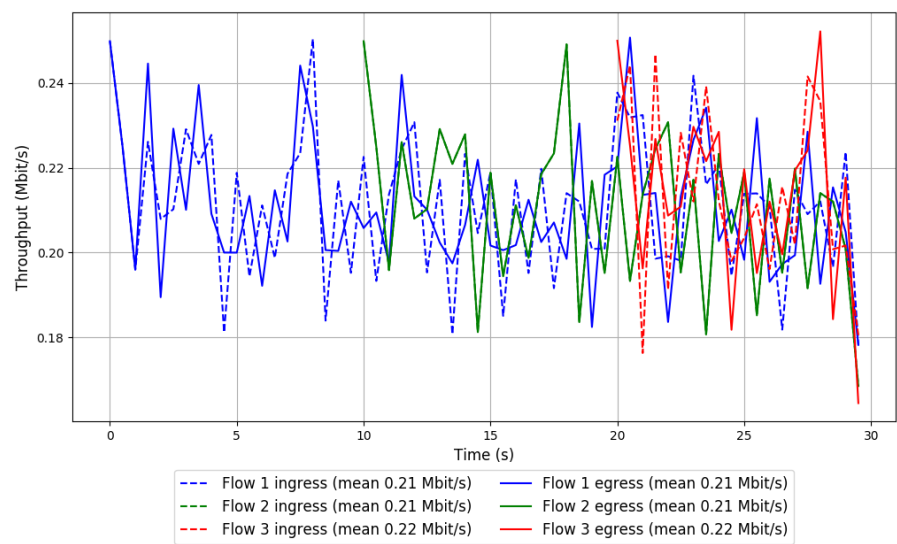


Run 9: Statistics of SReAM

Start at: 2018-01-10 05:06:35
End at: 2018-01-10 05:07:05
Local clock offset: 4.602 ms
Remote clock offset: -14.134 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -6.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.372 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -6.386 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

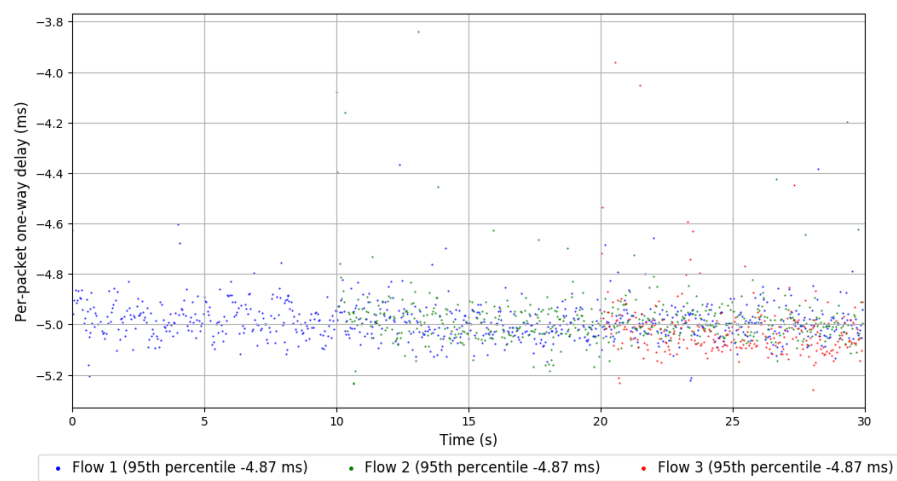
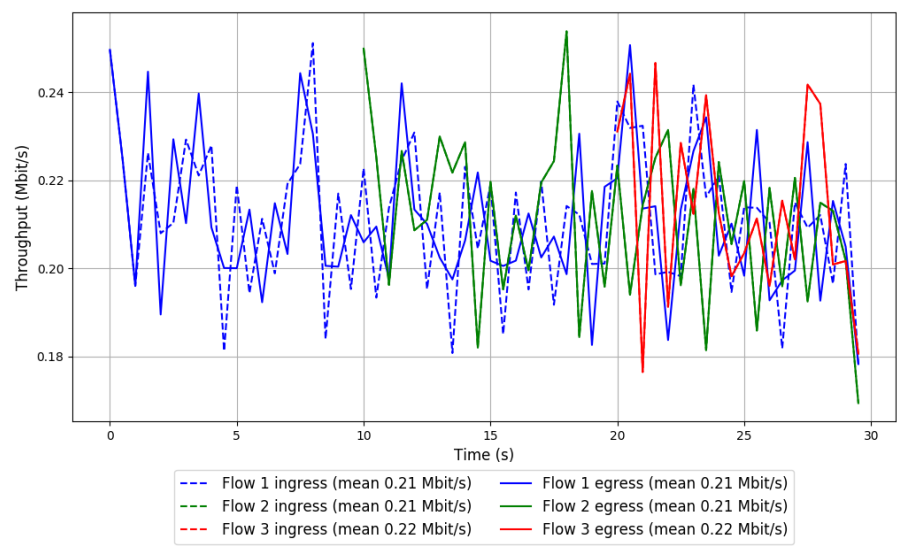


Run 10: Statistics of SReAM

Start at: 2018-01-10 05:24:56
End at: 2018-01-10 05:25:26
Local clock offset: 2.778 ms
Remote clock offset: -14.247 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: -4.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -4.871 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

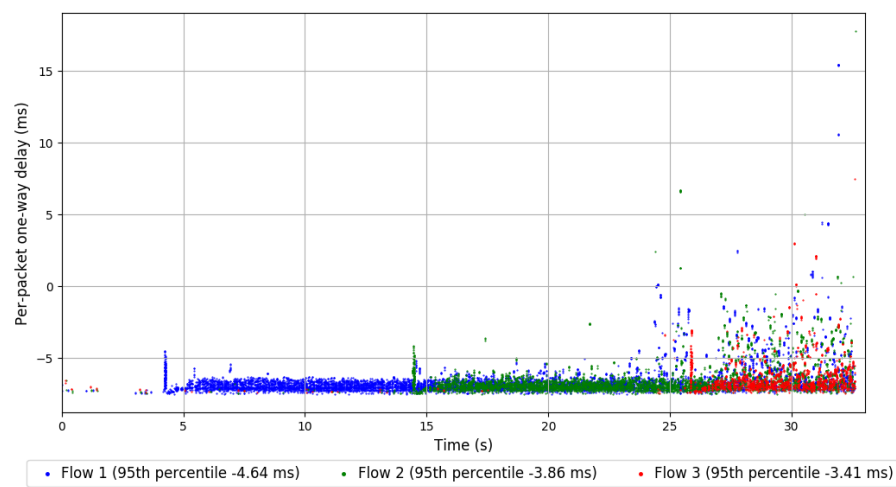
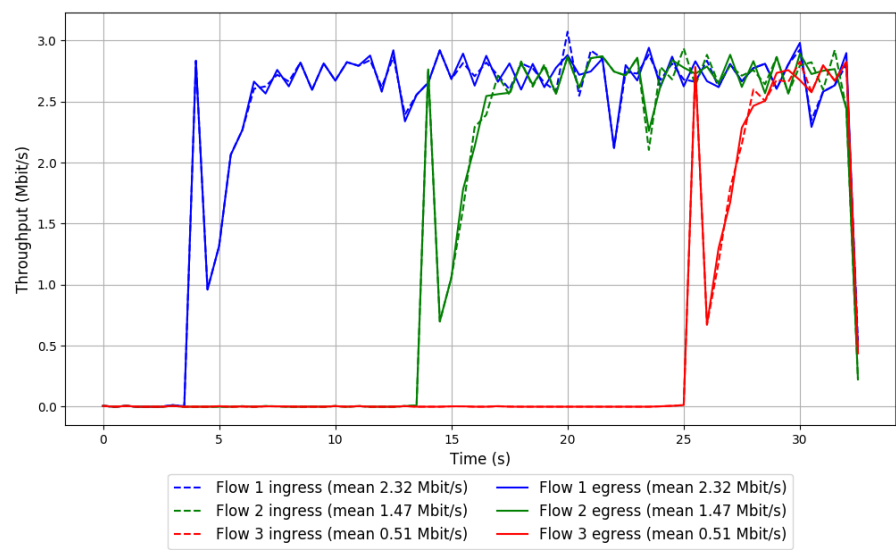


Run 1: Statistics of WebRTC media

Start at: 2018-01-10 02:52:19
End at: 2018-01-10 02:52:49
Local clock offset: 4.434 ms
Remote clock offset: -15.704 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: -4.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -3.858 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: -3.412 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

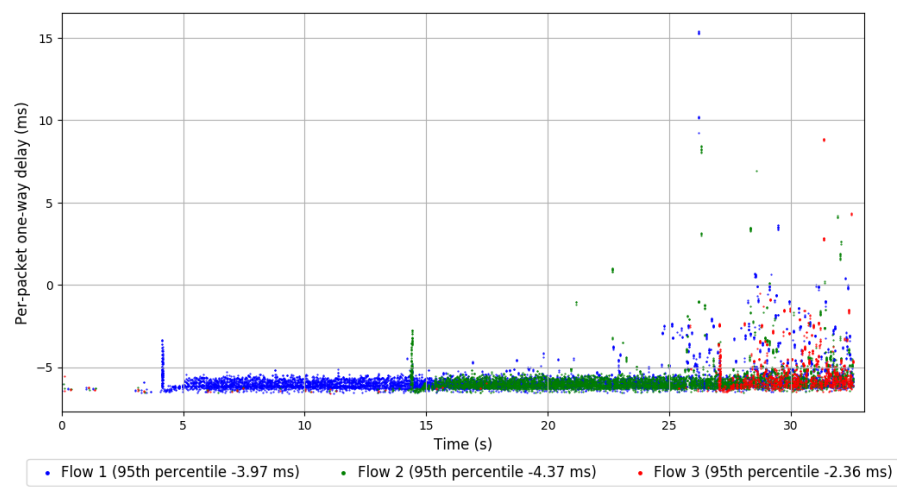
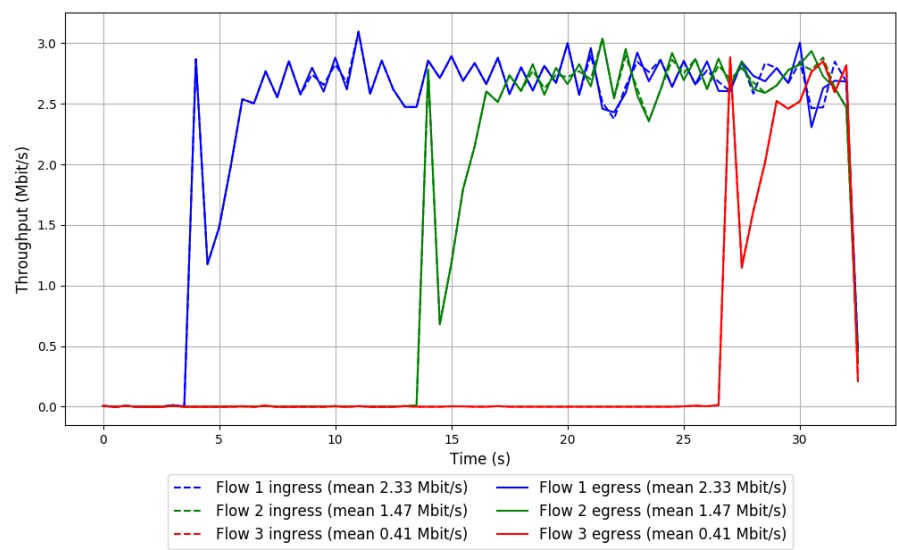


Run 2: Statistics of WebRTC media

Start at: 2018-01-10 03:10:31
End at: 2018-01-10 03:11:01
Local clock offset: 3.345 ms
Remote clock offset: -15.155 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: -3.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -4.372 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: -2.364 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

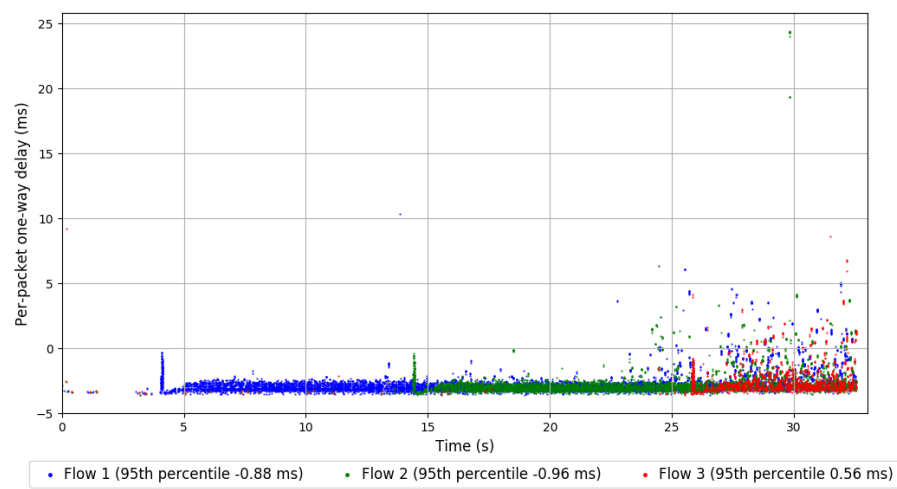
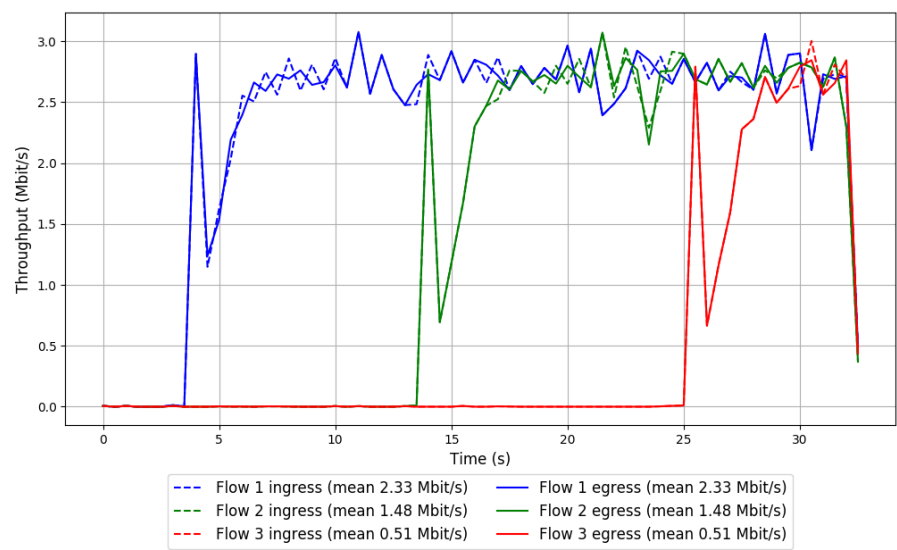


Run 3: Statistics of WebRTC media

Start at: 2018-01-10 03:28:18
End at: 2018-01-10 03:28:48
Local clock offset: 0.975 ms
Remote clock offset: -15.363 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: -0.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -0.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -0.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 0.563 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

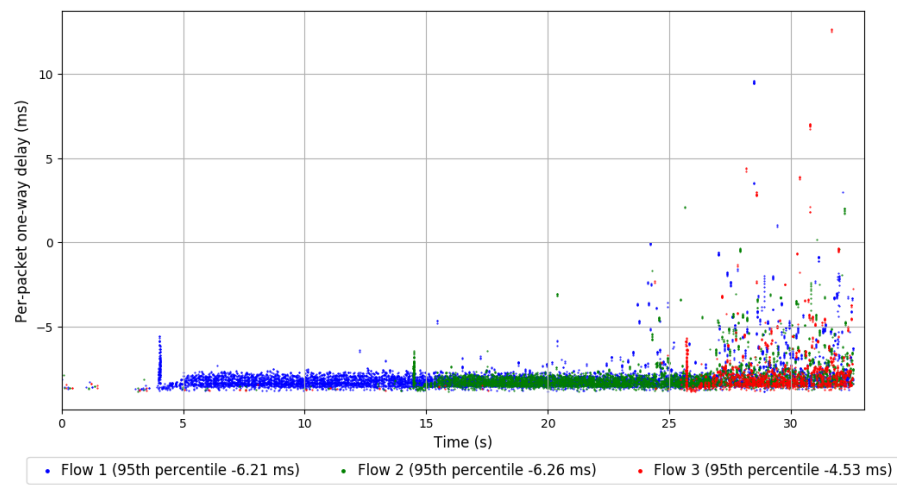
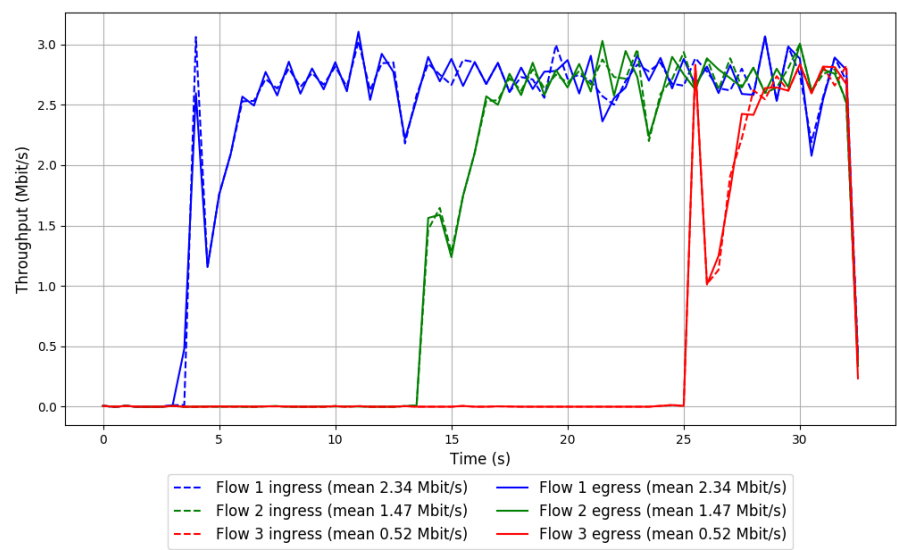


Run 4: Statistics of WebRTC media

Start at: 2018-01-10 03:46:17
End at: 2018-01-10 03:46:47
Local clock offset: 4.052 ms
Remote clock offset: -16.693 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -5.832 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -6.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -6.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: -4.525 ms
Loss rate: 0.40%

Run 4: Report of WebRTC media — Data Link

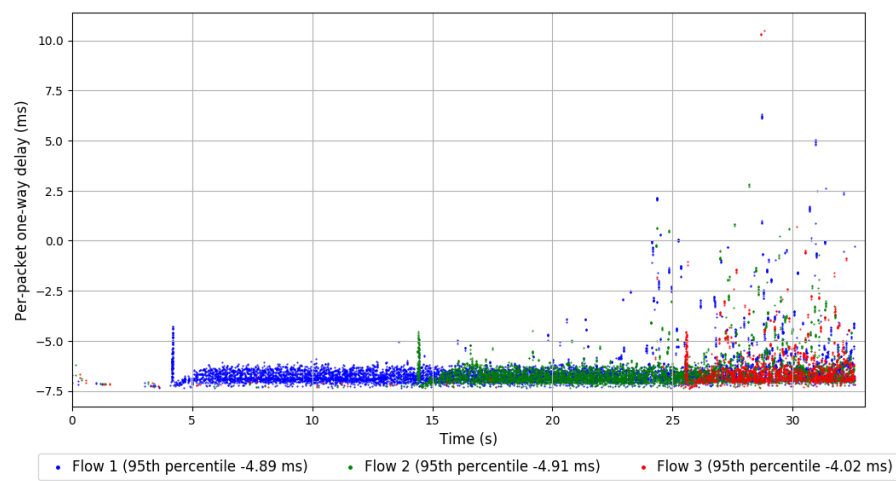
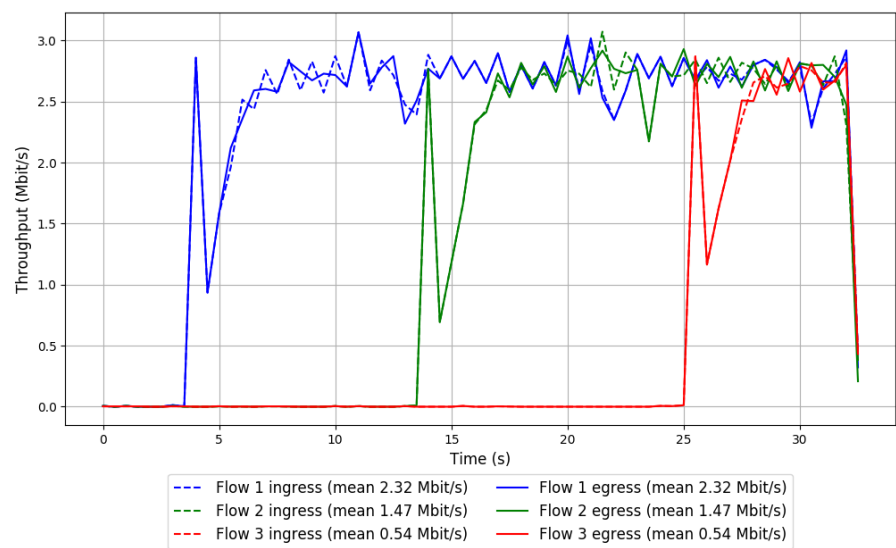


Run 5: Statistics of WebRTC media

Start at: 2018-01-10 04:04:37
End at: 2018-01-10 04:05:07
Local clock offset: 1.526 ms
Remote clock offset: -17.121 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -4.709 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.890 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -4.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -4.016 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

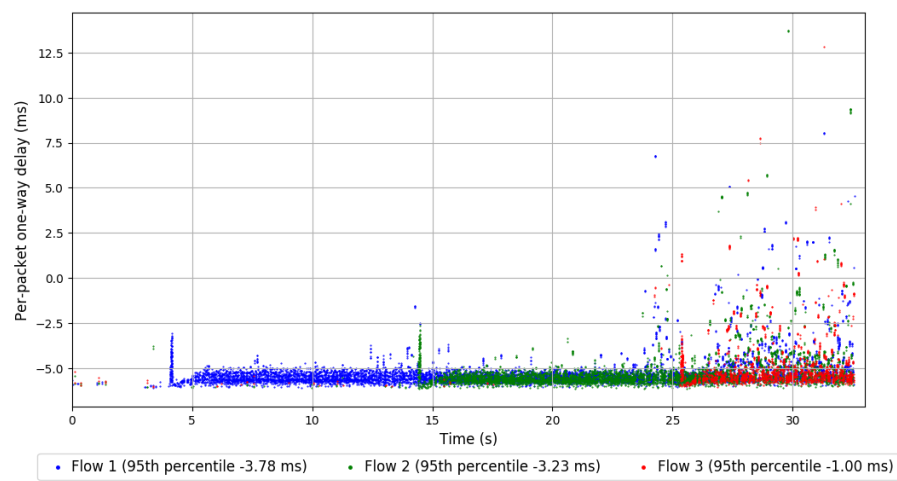
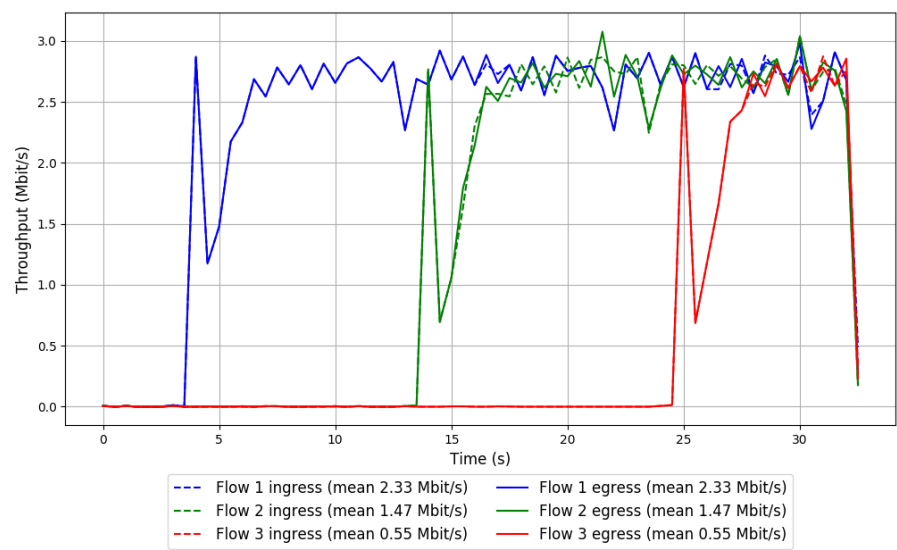


Run 6: Statistics of WebRTC media

Start at: 2018-01-10 04:22:55
End at: 2018-01-10 04:23:25
Local clock offset: 2.903 ms
Remote clock offset: -14.712 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: -3.166 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.776 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -3.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: -0.998 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

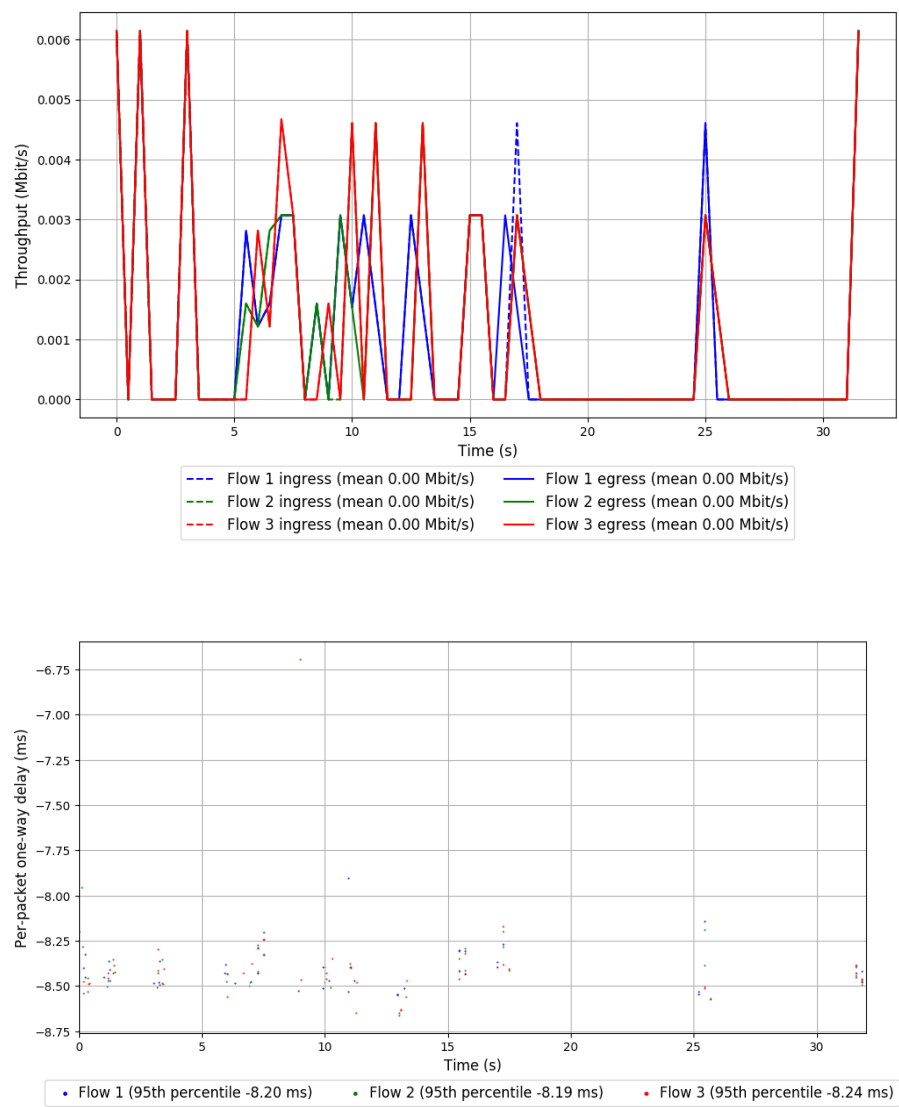


Run 7: Statistics of WebRTC media

Start at: 2018-01-10 04:41:11
End at: 2018-01-10 04:41:41
Local clock offset: 6.727 ms
Remote clock offset: -14.499 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: -8.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: -8.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: -8.189 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: -8.243 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

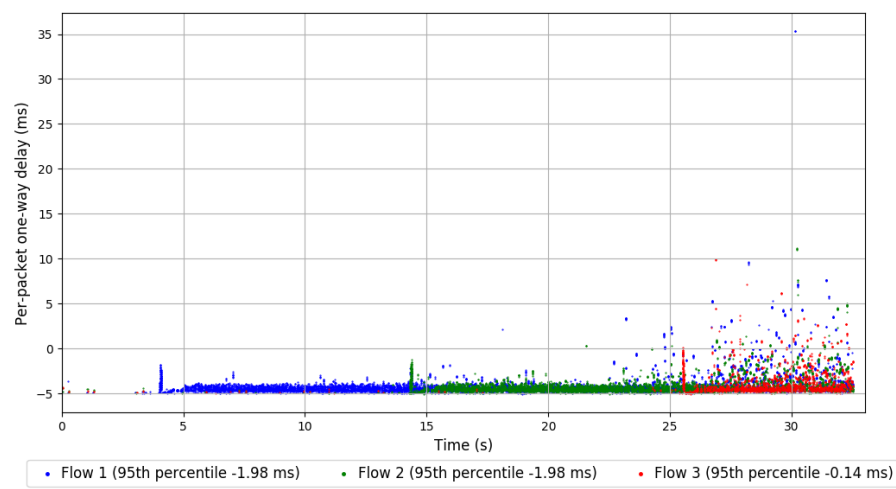
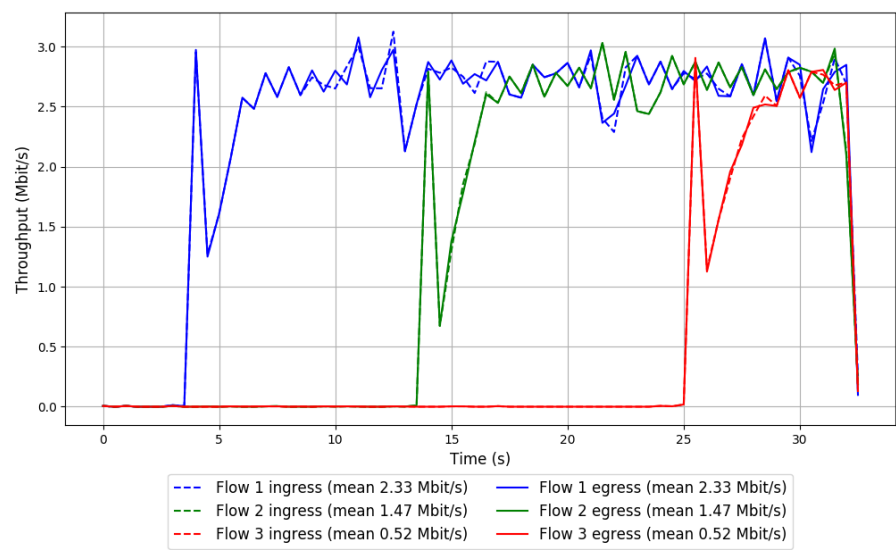


Run 8: Statistics of WebRTC media

Start at: 2018-01-10 04:59:12
End at: 2018-01-10 04:59:42
Local clock offset: 3.621 ms
Remote clock offset: -13.573 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -1.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -1.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -1.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: -0.135 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

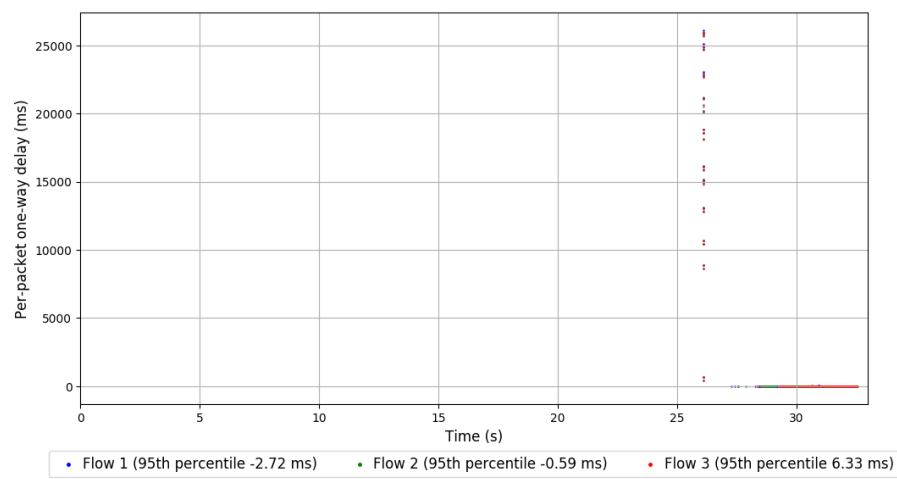
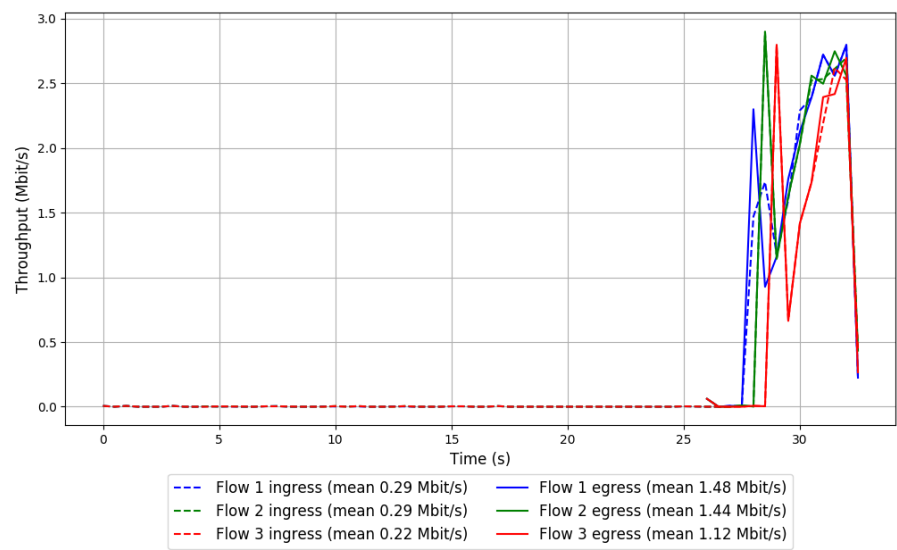
Start at: 2018-01-10 05:17:40

End at: 2018-01-10 05:18:10

Local clock offset: 6.891 ms

Remote clock offset: -13.141 ms

Run 9: Report of WebRTC media — Data Link

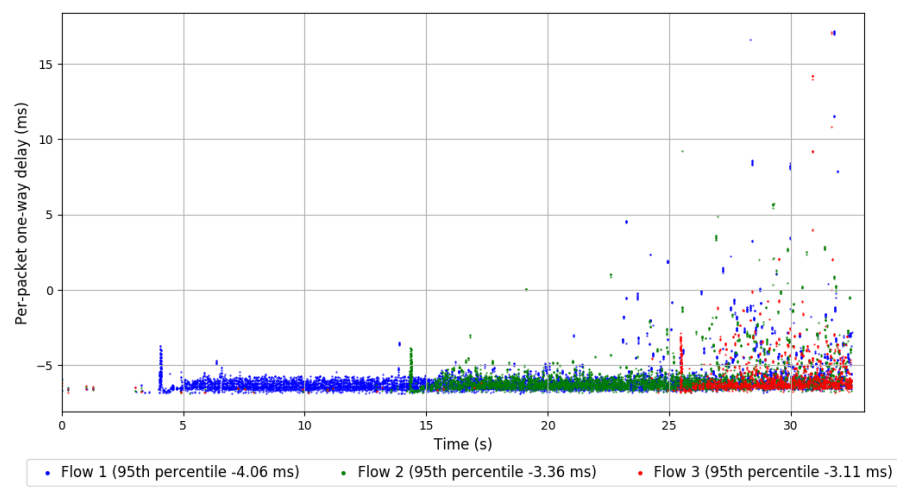
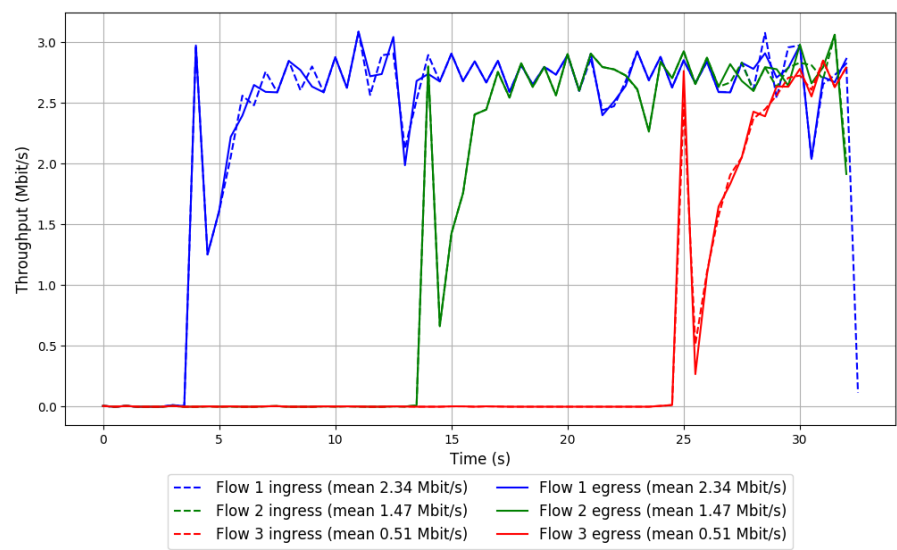


Run 10: Statistics of WebRTC media

Start at: 2018-01-10 05:36:02
End at: 2018-01-10 05:36:32
Local clock offset: 3.933 ms
Remote clock offset: -15.613 ms

Below is generated by plot.py at 2018-01-10 06:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: -3.559 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.060 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: -3.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: -3.110 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

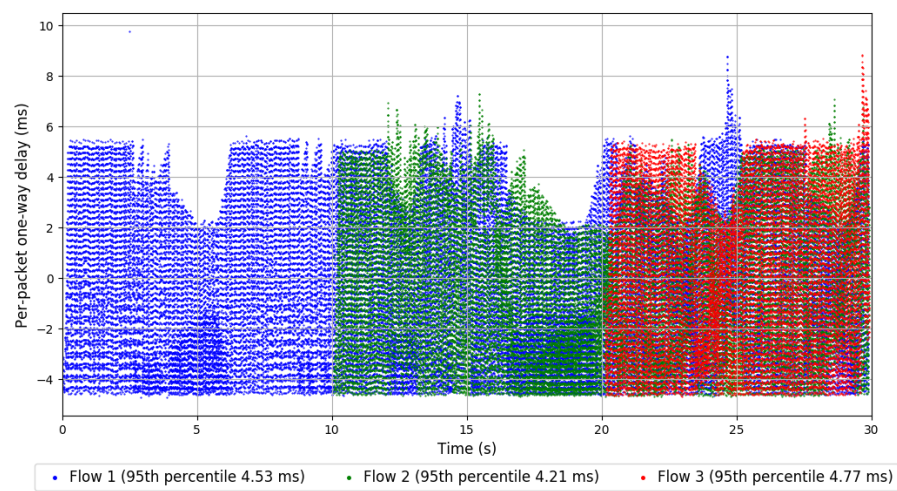
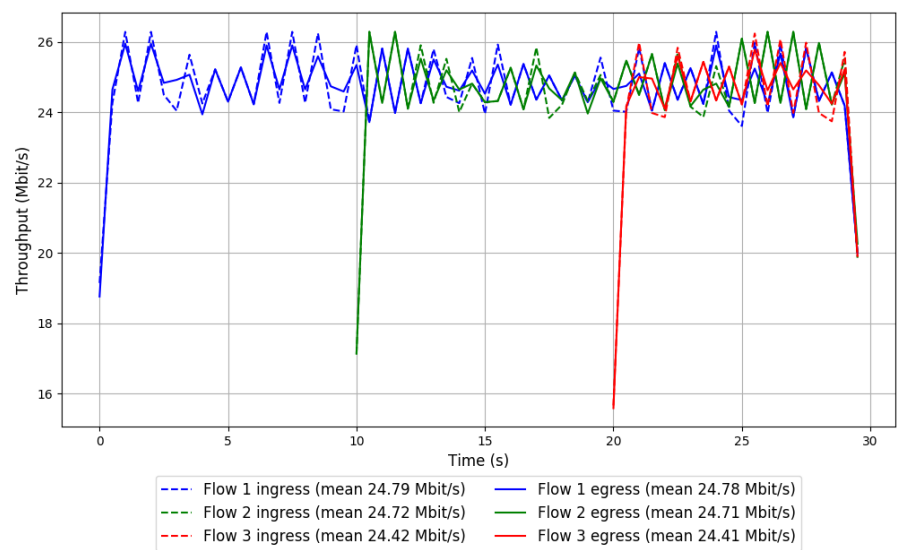


Run 1: Statistics of Sprout

Start at: 2018-01-10 02:45:08
End at: 2018-01-10 02:45:38
Local clock offset: 1.687 ms
Remote clock offset: -15.668 ms

Below is generated by plot.py at 2018-01-10 06:36:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.27 Mbit/s
95th percentile per-packet one-way delay: 4.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 4.532 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 4.211 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 4.767 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

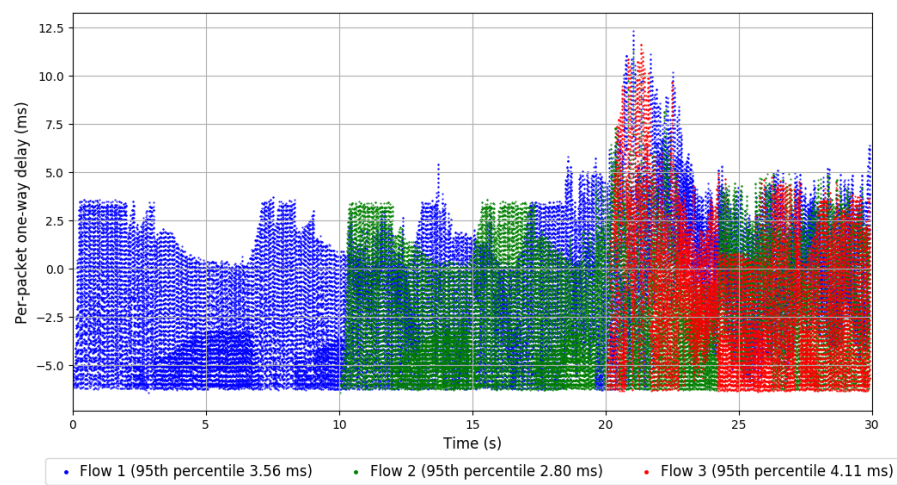
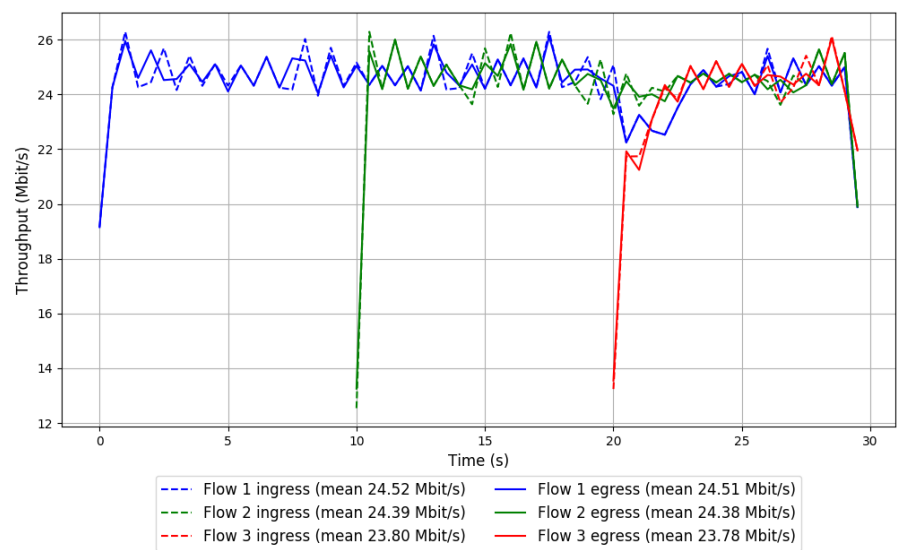


Run 2: Statistics of Sprout

Start at: 2018-01-10 03:03:05
End at: 2018-01-10 03:03:35
Local clock offset: 1.976 ms
Remote clock offset: -16.414 ms

Below is generated by plot.py at 2018-01-10 06:36:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 3.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 3.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 2.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 4.109 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

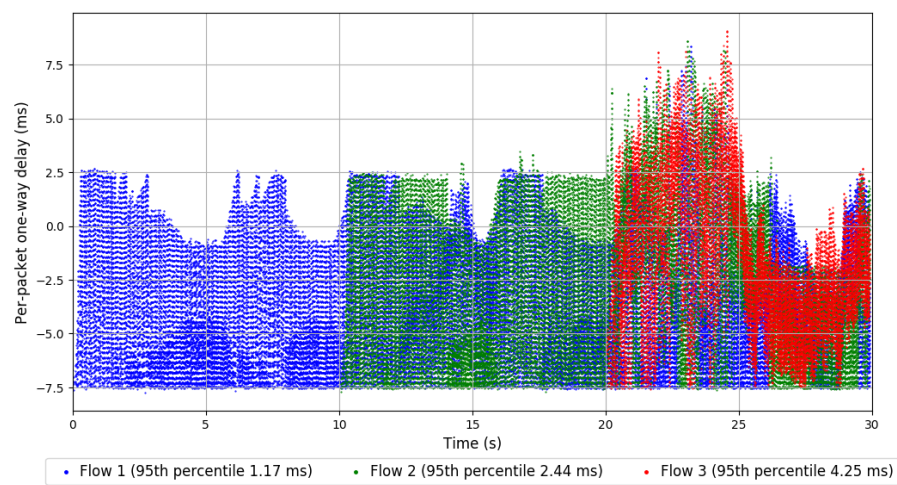
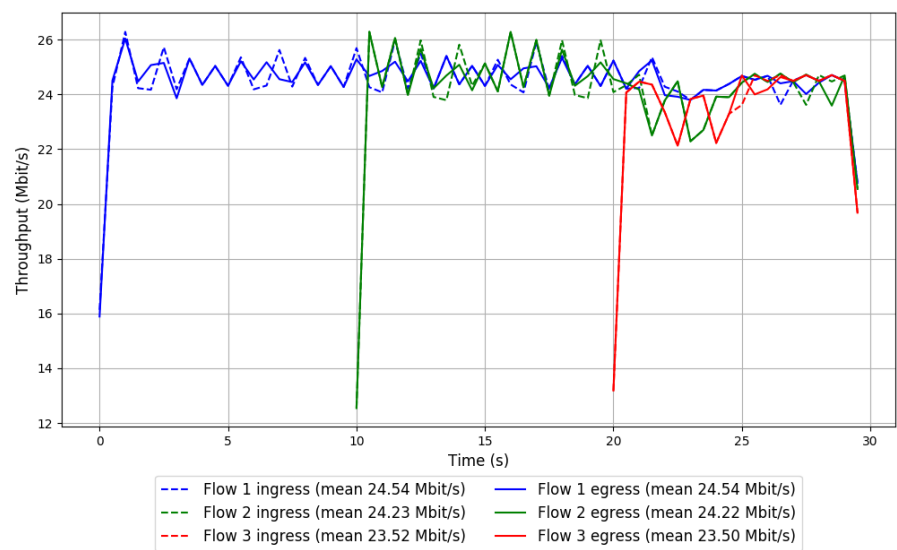


Run 3: Statistics of Sprout

Start at: 2018-01-10 03:21:05
End at: 2018-01-10 03:21:35
Local clock offset: 5.077 ms
Remote clock offset: -15.181 ms

```
# Below is generated by plot.py at 2018-01-10 06:36:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 2.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 4.252 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

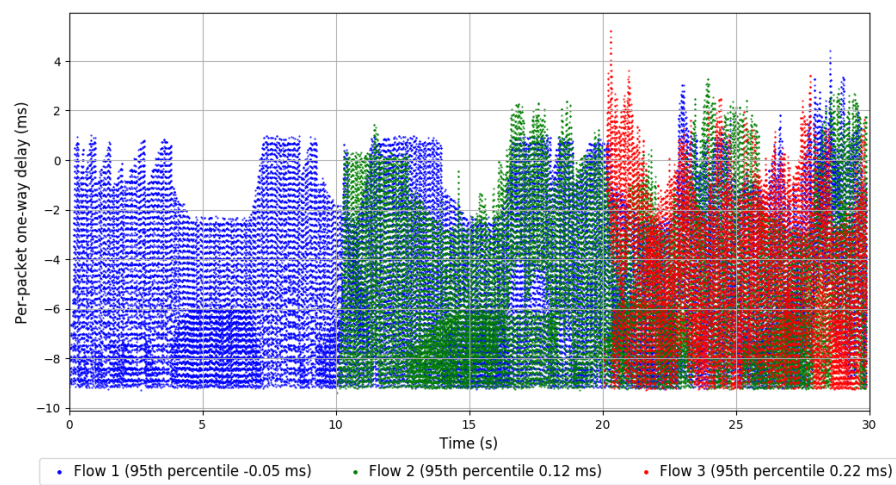
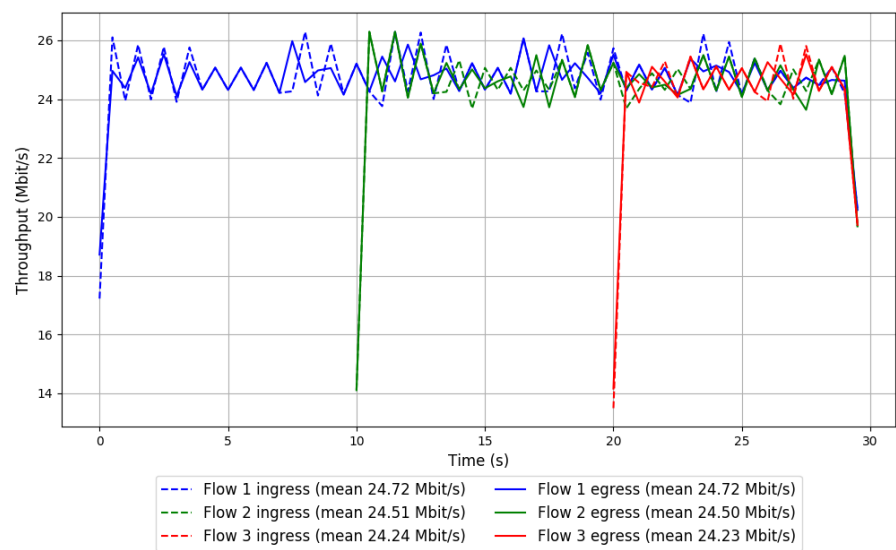


Run 4: Statistics of Sprout

Start at: 2018-01-10 03:39:02
End at: 2018-01-10 03:39:32
Local clock offset: 5.185 ms
Remote clock offset: -16.52 ms

```
# Below is generated by plot.py at 2018-01-10 06:37:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 0.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: -0.051 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 0.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 0.220 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

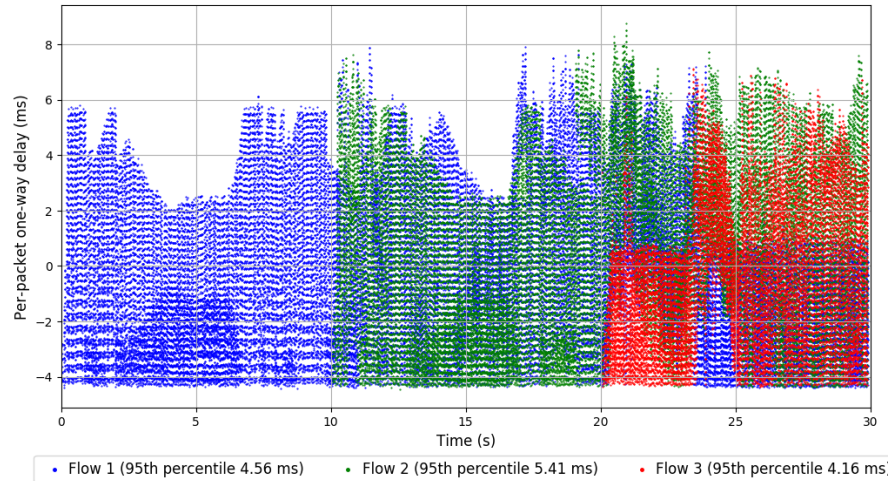
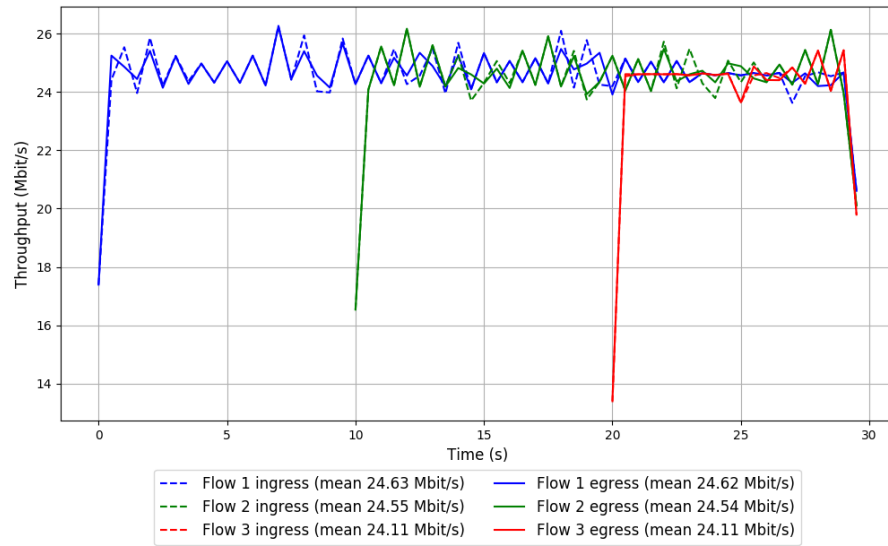


Run 5: Statistics of Sprout

Start at: 2018-01-10 03:57:19
End at: 2018-01-10 03:57:49
Local clock offset: 1.736 ms
Remote clock offset: -14.409 ms

Below is generated by plot.py at 2018-01-10 06:37:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 4.854 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 4.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 5.408 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 4.161 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

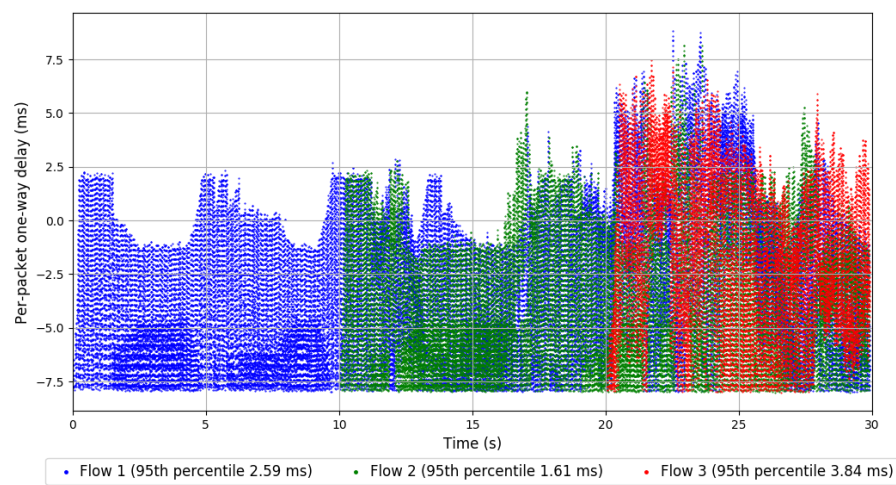
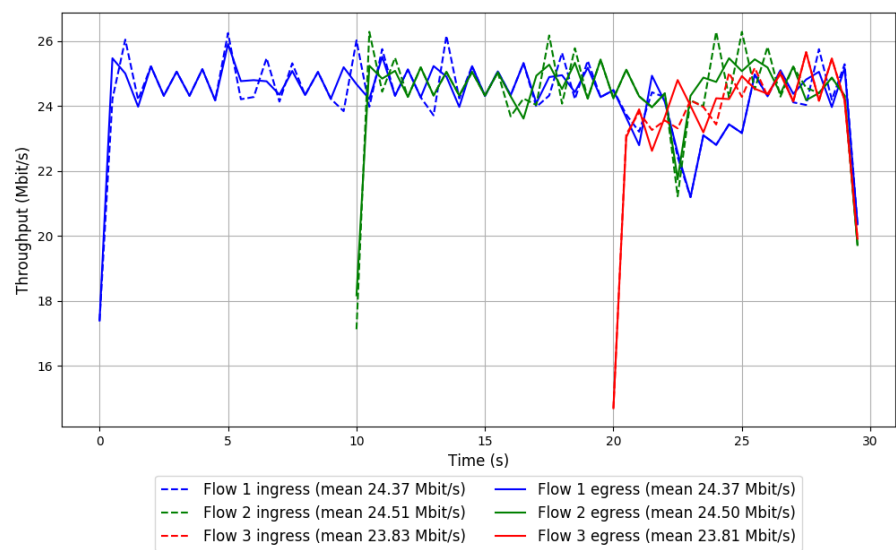


Run 6: Statistics of Sprout

Start at: 2018-01-10 04:15:32
End at: 2018-01-10 04:16:02
Local clock offset: 5.231 ms
Remote clock offset: -13.952 ms

Below is generated by plot.py at 2018-01-10 06:37:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 2.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 2.594 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 1.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

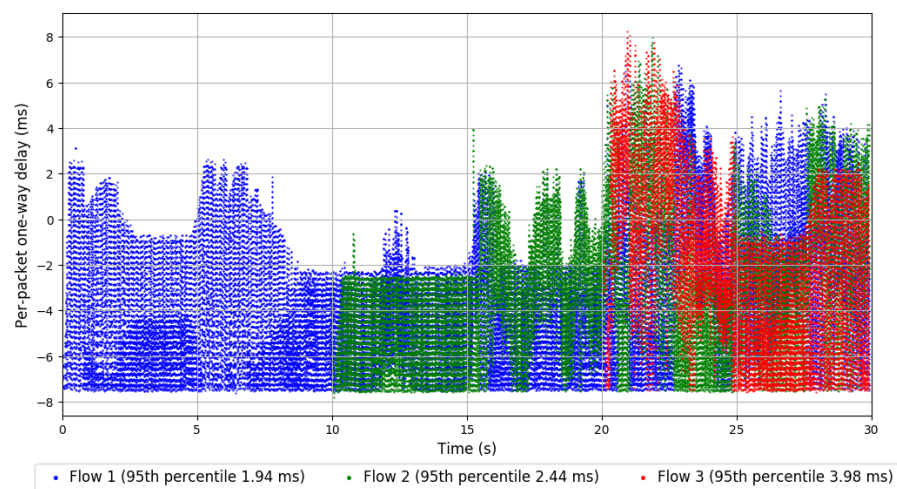
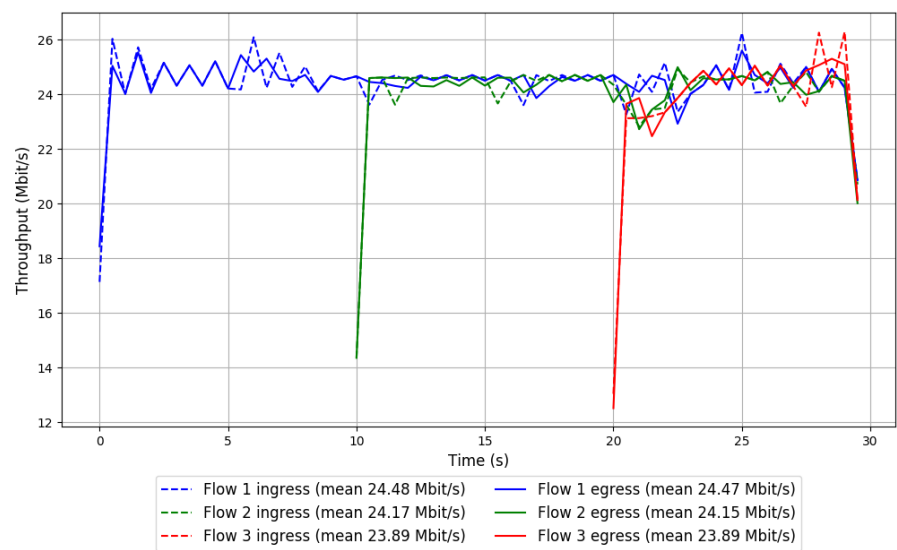


Run 7: Statistics of Sprout

Start at: 2018-01-10 04:33:34
End at: 2018-01-10 04:34:04
Local clock offset: 6.517 ms
Remote clock offset: -13.528 ms

Below is generated by plot.py at 2018-01-10 06:37:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 2.527 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 1.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 2.437 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 3.984 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

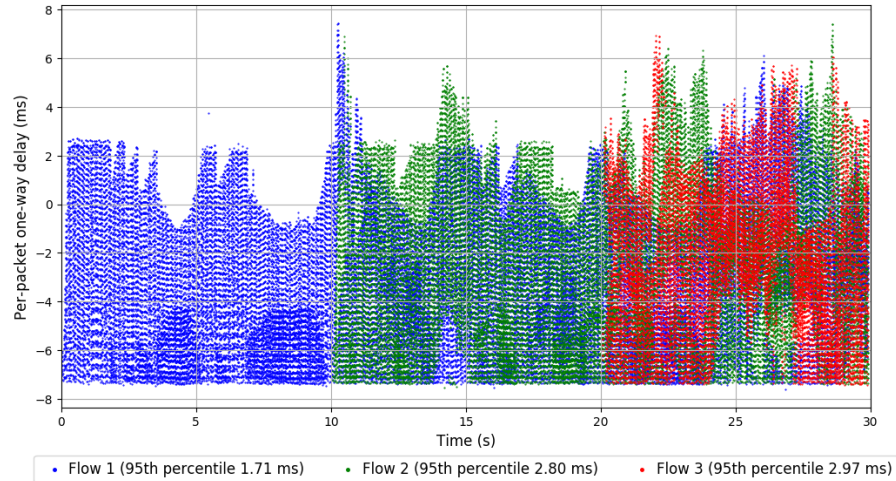
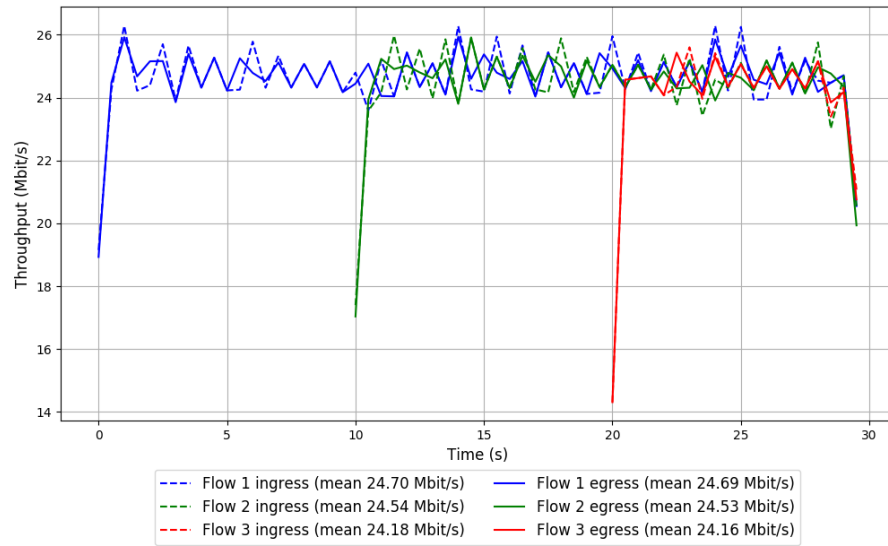


Run 8: Statistics of Sprout

Start at: 2018-01-10 04:51:56
End at: 2018-01-10 04:52:26
Local clock offset: 6.76 ms
Remote clock offset: -13.253 ms

```
# Below is generated by plot.py at 2018-01-10 06:37:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.710 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 2.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 2.971 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

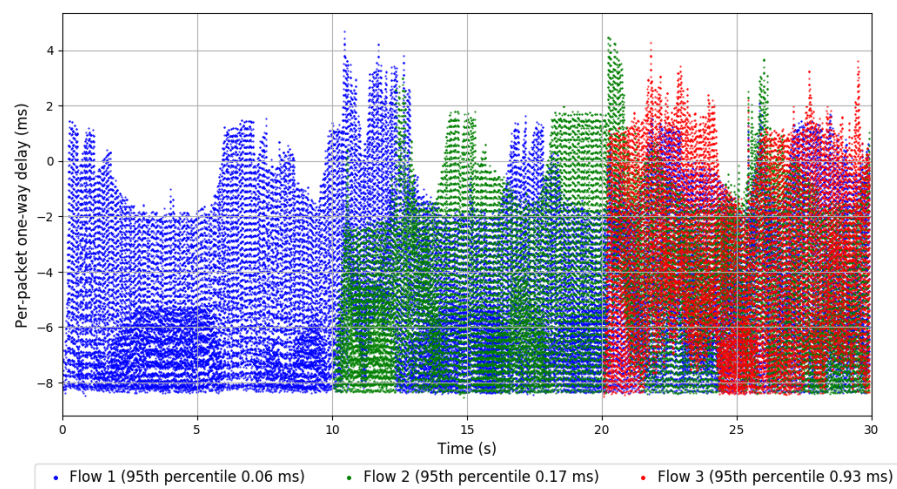
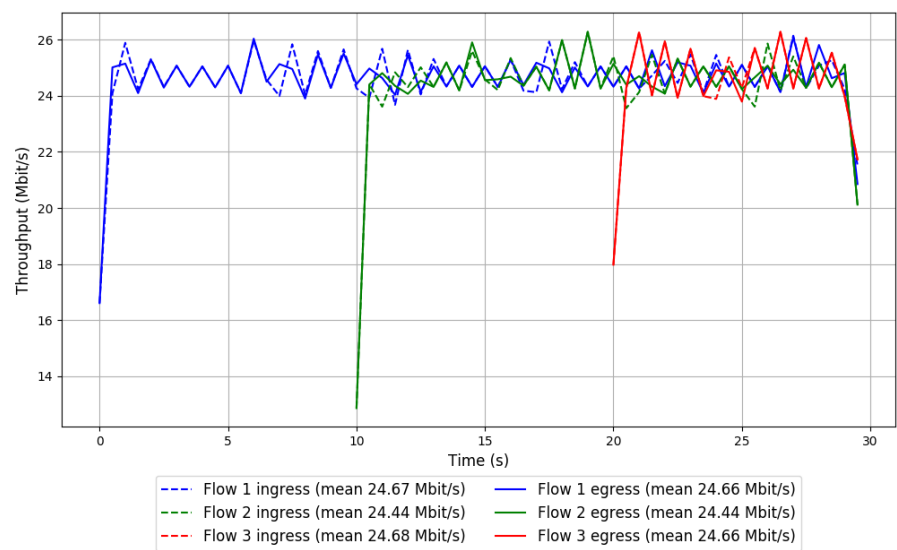


Run 9: Statistics of Sprout

Start at: 2018-01-10 05:10:08
End at: 2018-01-10 05:10:38
Local clock offset: 5.868 ms
Remote clock offset: -14.559 ms

Below is generated by plot.py at 2018-01-10 06:38:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.05 Mbit/s
95th percentile per-packet one-way delay: 0.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 0.055 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 0.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

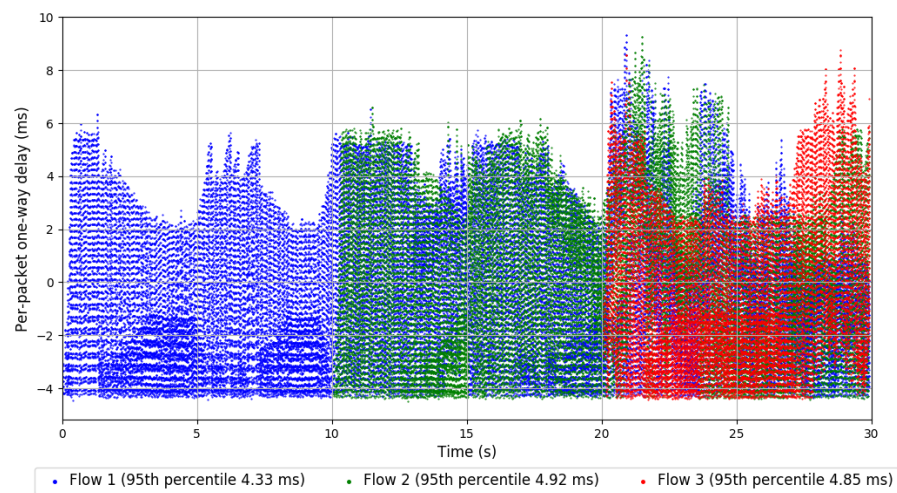
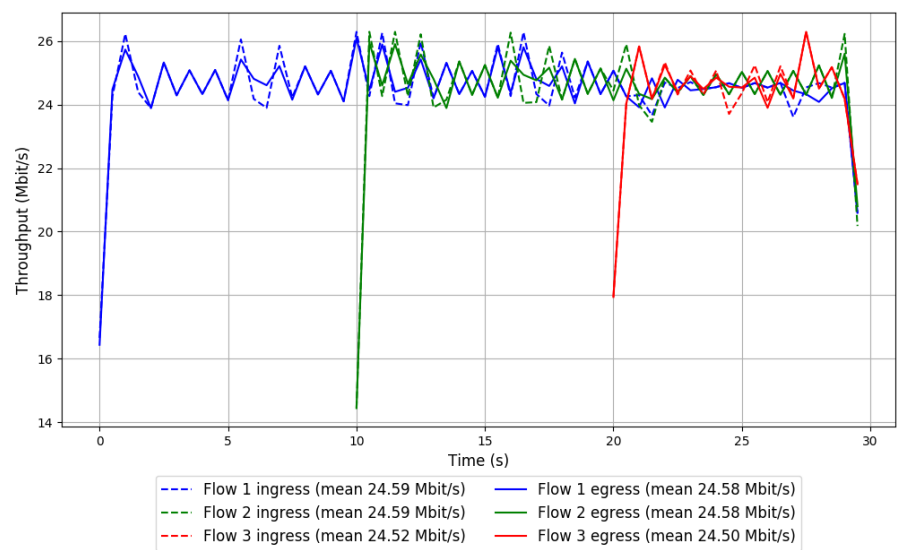


Run 10: Statistics of Sprout

Start at: 2018-01-10 05:28:33
End at: 2018-01-10 05:29:03
Local clock offset: 2.963 ms
Remote clock offset: -13.594 ms

Below is generated by plot.py at 2018-01-10 06:38:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 4.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 4.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 4.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 4.850 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

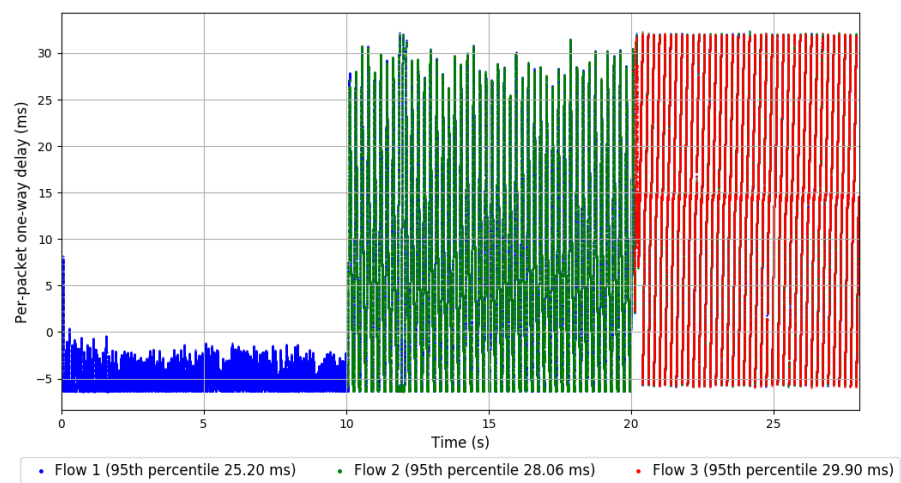
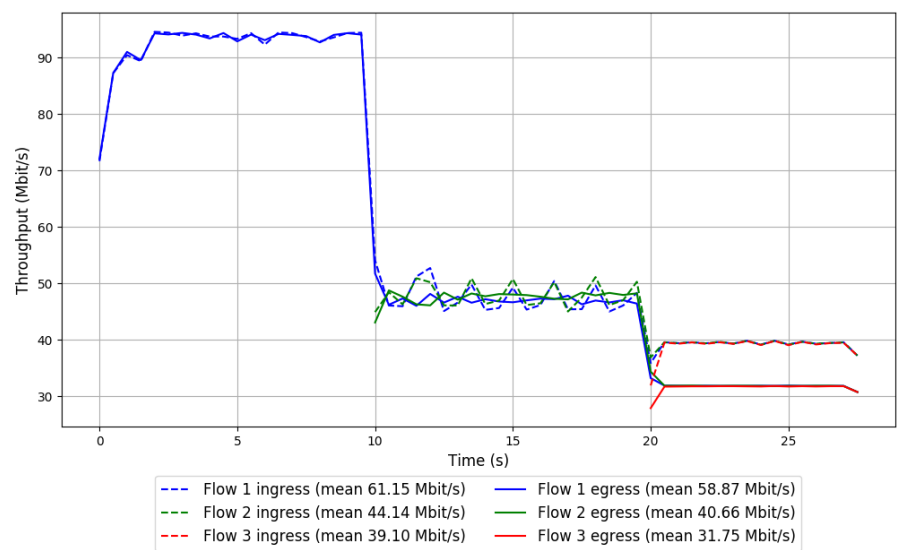


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-10 02:36:39
End at: 2018-01-10 02:37:09
Local clock offset: 3.826 ms
Remote clock offset: -14.688 ms

# Below is generated by plot.py at 2018-01-10 06:41:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 27.216 ms
Loss rate: 6.51%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 25.200 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 28.056 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 29.903 ms
Loss rate: 18.94%
```

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

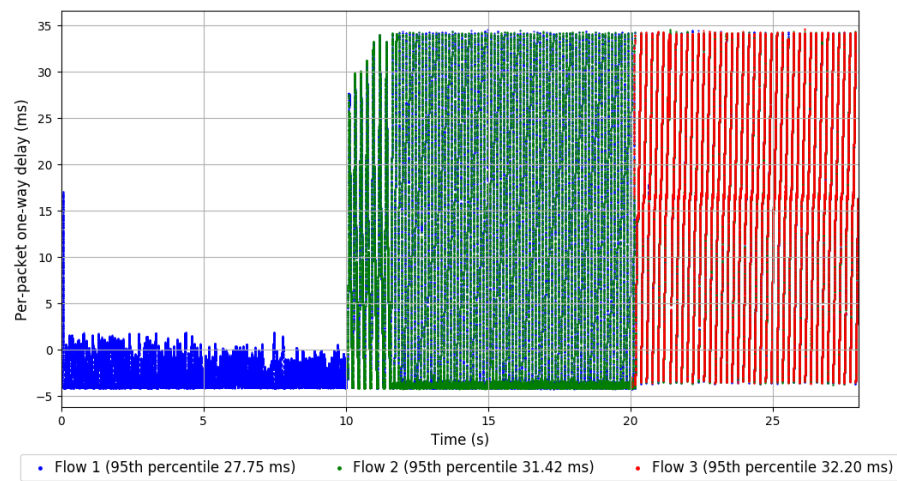
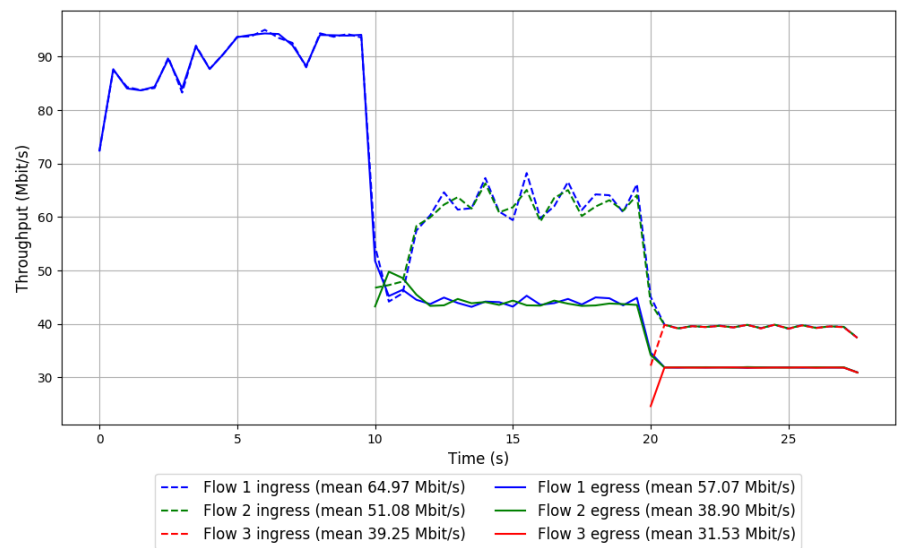


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-10 02:54:38
End at: 2018-01-10 02:55:08
Local clock offset: 2.683 ms
Remote clock offset: -14.193 ms

Below is generated by plot.py at 2018-01-10 06:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 16.37%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 27.748 ms
Loss rate: 12.11%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 31.421 ms
Loss rate: 23.77%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 32.202 ms
Loss rate: 19.48%

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

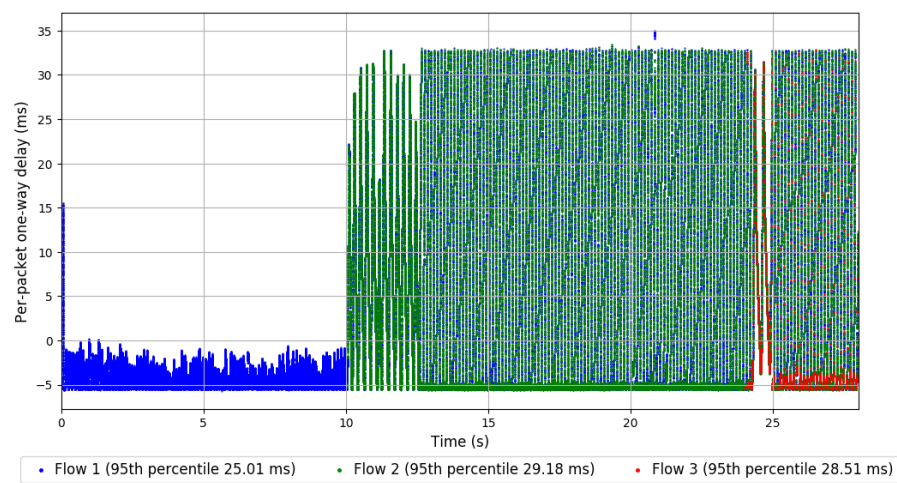
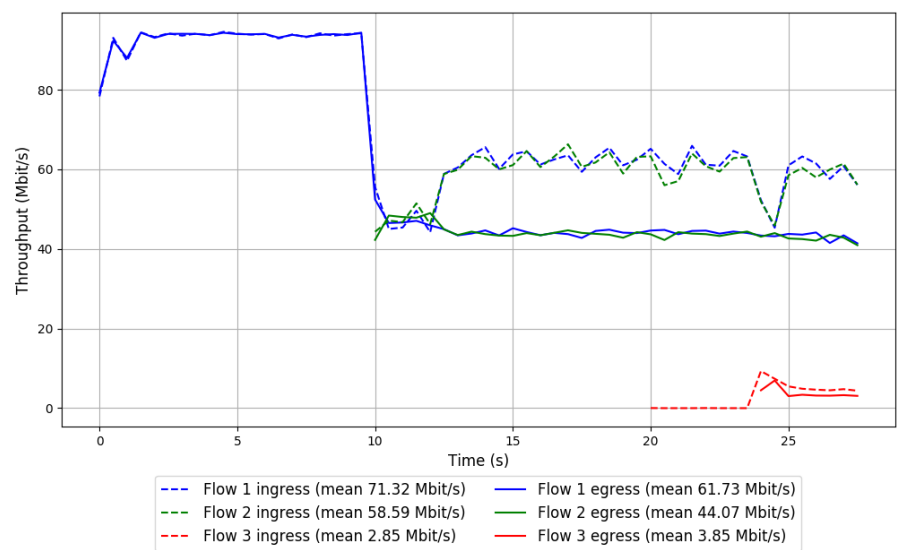


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-10 03:12:48
End at: 2018-01-10 03:13:18
Local clock offset: 2.821 ms
Remote clock offset: -15.027 ms

Below is generated by plot.py at 2018-01-10 06:41:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 27.141 ms
Loss rate: 17.42%
-- Flow 1:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 25.010 ms
Loss rate: 13.40%
-- Flow 2:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 29.184 ms
Loss rate: 24.71%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 28.507 ms
Loss rate: 32.80%

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

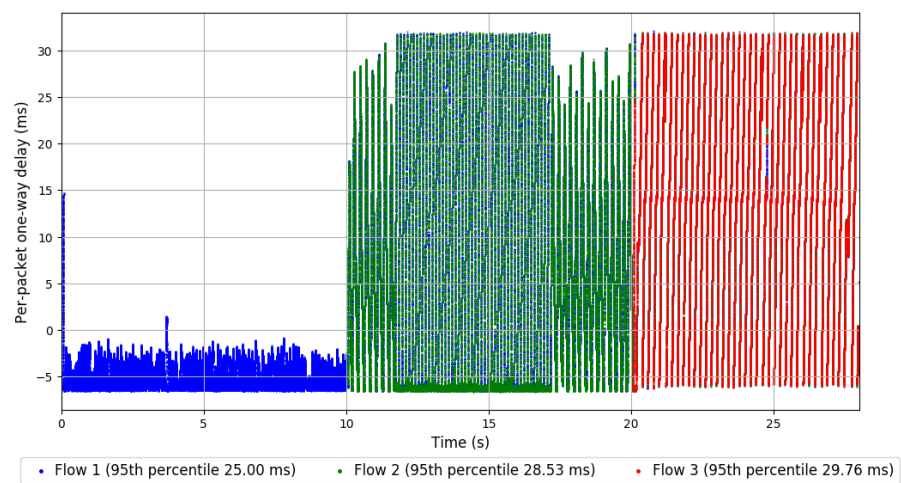
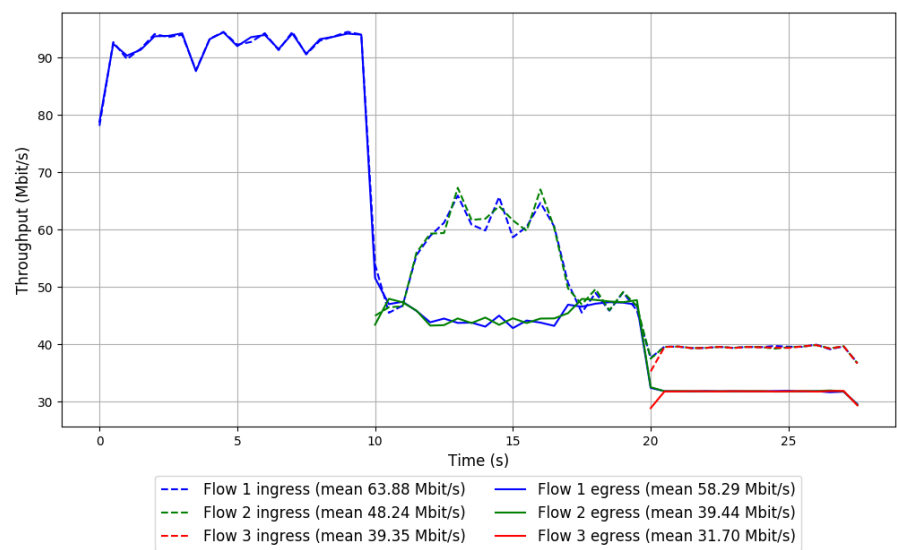


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-10 03:30:37
End at: 2018-01-10 03:31:07
Local clock offset: 3.321 ms
Remote clock offset: -16.239 ms

Below is generated by plot.py at 2018-01-10 06:42:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 27.347 ms
Loss rate: 12.64%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 24.998 ms
Loss rate: 8.74%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 28.534 ms
Loss rate: 18.22%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 19.40%

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

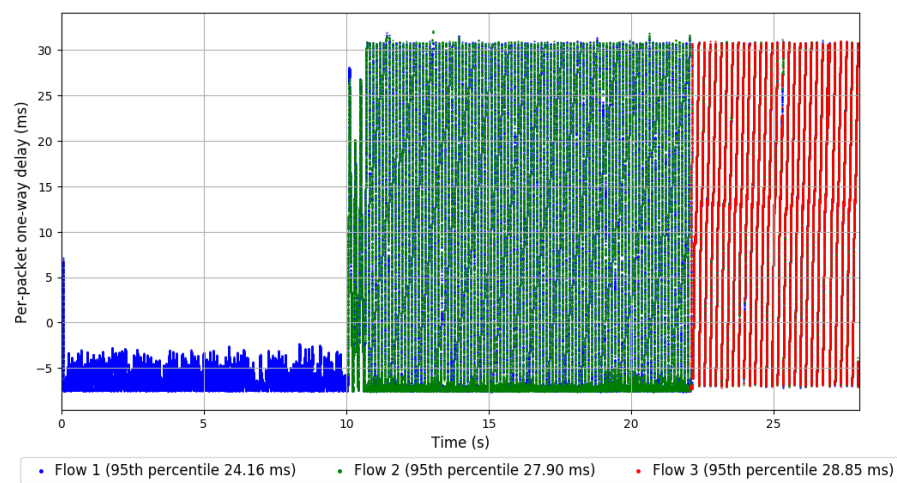
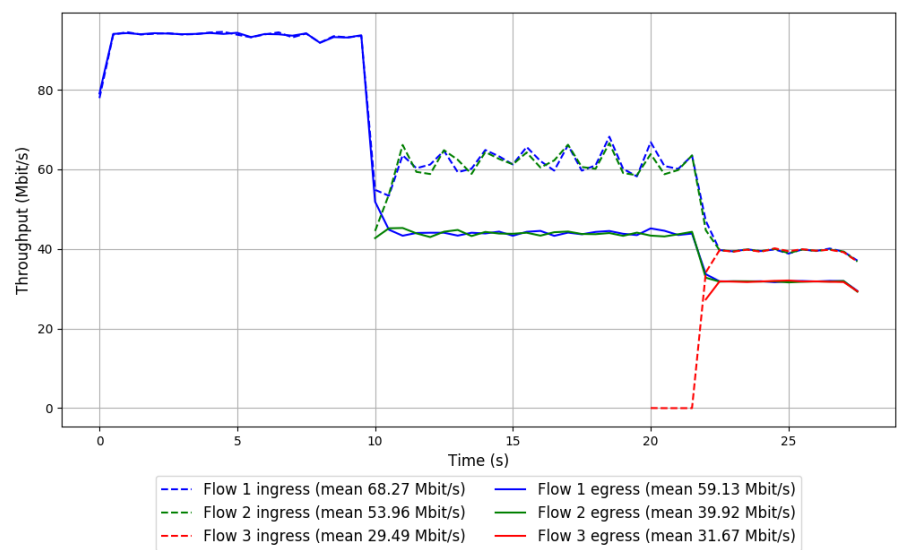


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-10 03:48:37
End at: 2018-01-10 03:49:07
Local clock offset: 5.825 ms
Remote clock offset: -13.74 ms

Below is generated by plot.py at 2018-01-10 06:42:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 26.499 ms
Loss rate: 17.80%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 24.156 ms
Loss rate: 13.39%
-- Flow 2:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 27.898 ms
Loss rate: 26.02%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 28.848 ms
Loss rate: 19.72%

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

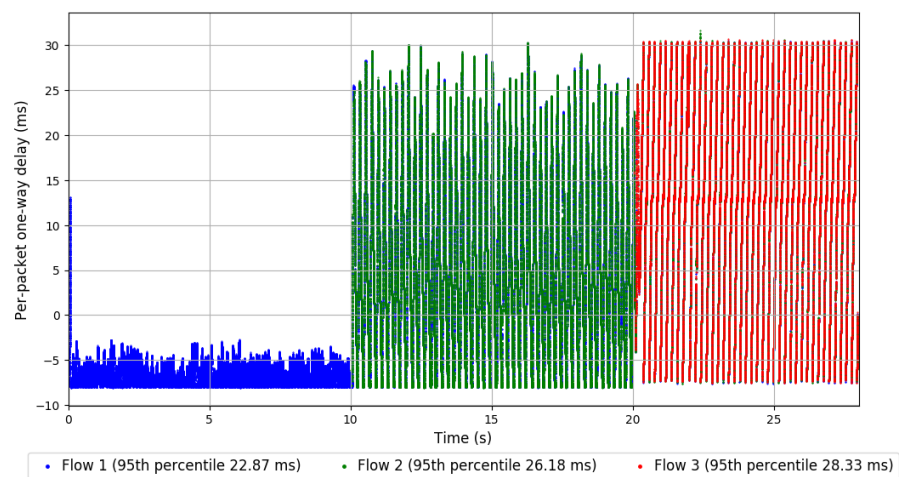
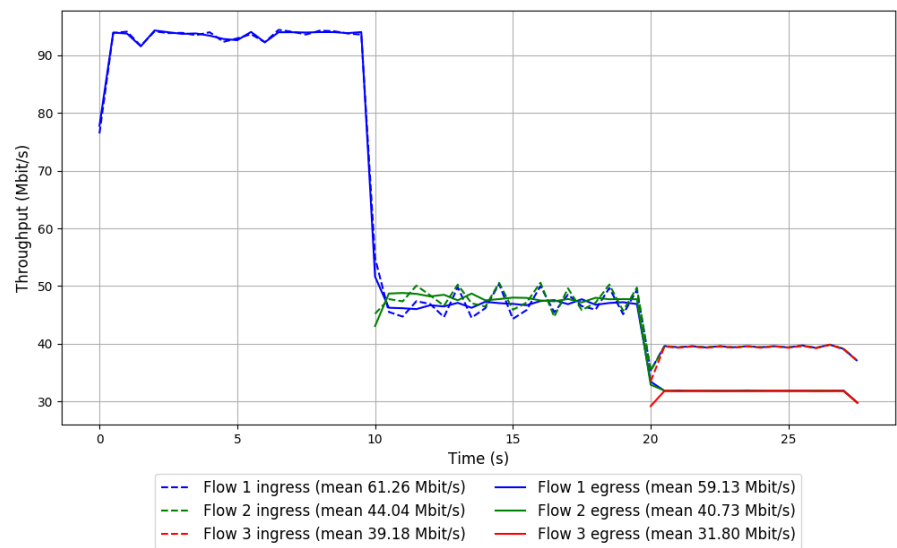


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-10 04:06:58
End at: 2018-01-10 04:07:28
Local clock offset: 5.709 ms
Remote clock offset: -13.776 ms

Below is generated by plot.py at 2018-01-10 06:42:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 25.121 ms
Loss rate: 6.31%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 22.869 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 26.177 ms
Loss rate: 7.49%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 28.331 ms
Loss rate: 19.00%

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

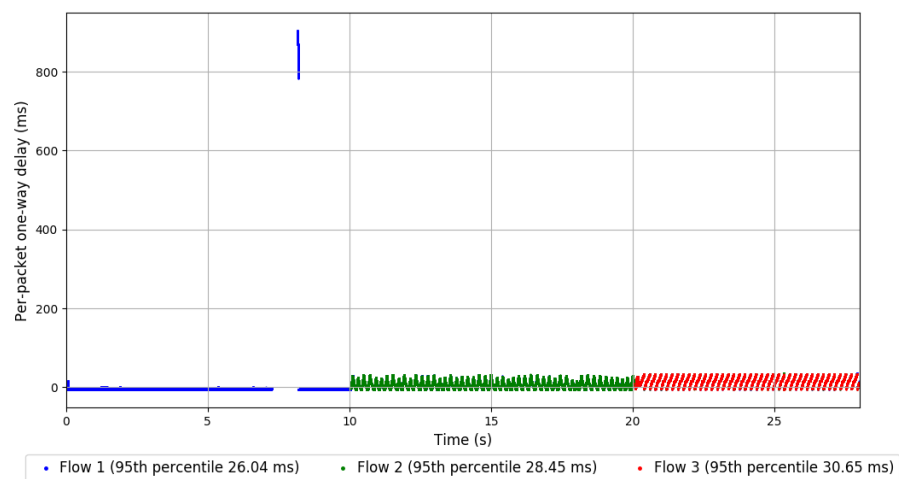
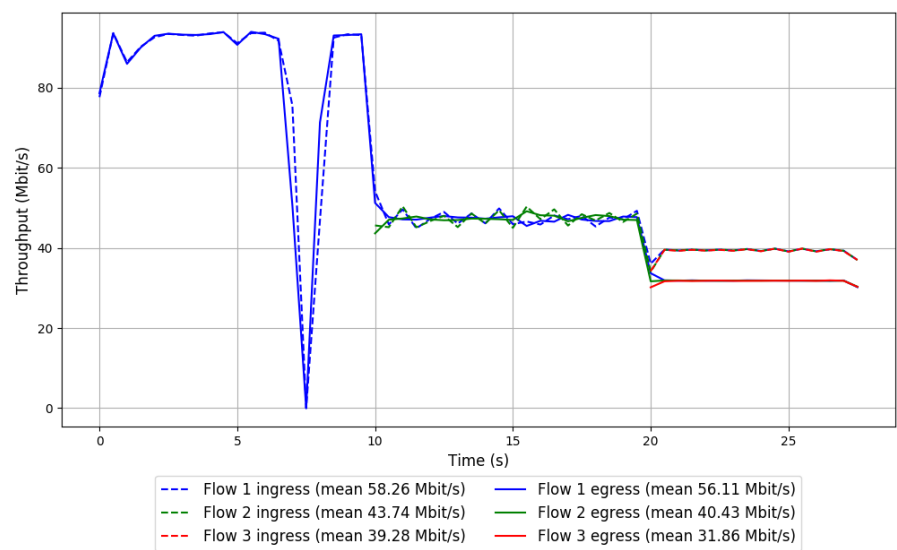


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-10 04:25:13
End at: 2018-01-10 04:25:43
Local clock offset: 4.01 ms
Remote clock offset: -13.507 ms

Below is generated by plot.py at 2018-01-10 06:42:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 27.887 ms
Loss rate: 6.47%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 26.038 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 28.449 ms
Loss rate: 7.49%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 30.652 ms
Loss rate: 18.86%

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

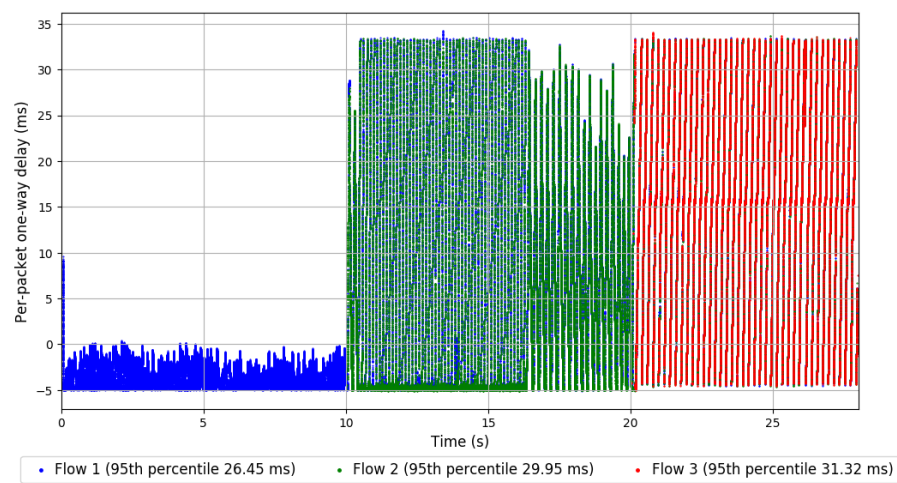
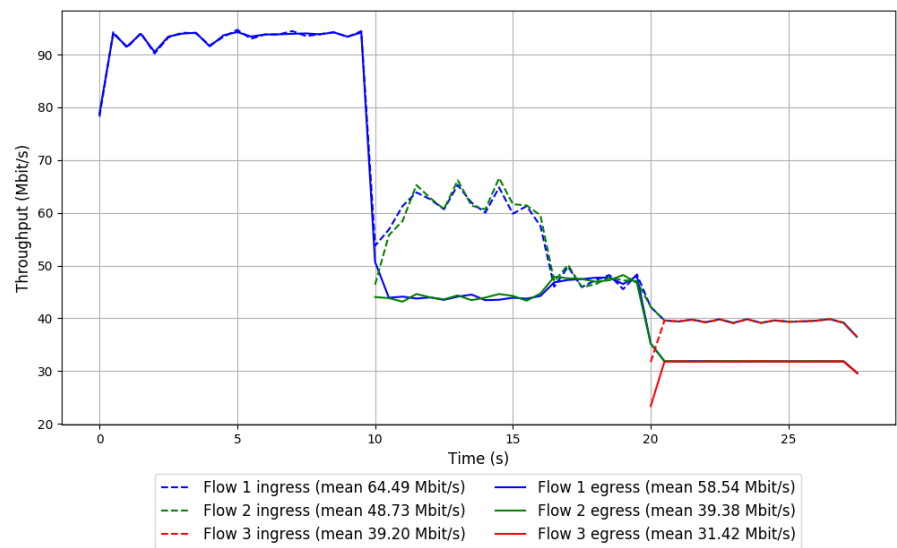


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-10 04:43:32
End at: 2018-01-10 04:44:02
Local clock offset: 4.261 ms
Remote clock offset: -13.55 ms

Below is generated by plot.py at 2018-01-10 06:42:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 28.756 ms
Loss rate: 13.21%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 26.455 ms
Loss rate: 9.20%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 29.952 ms
Loss rate: 19.16%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 19.72%

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

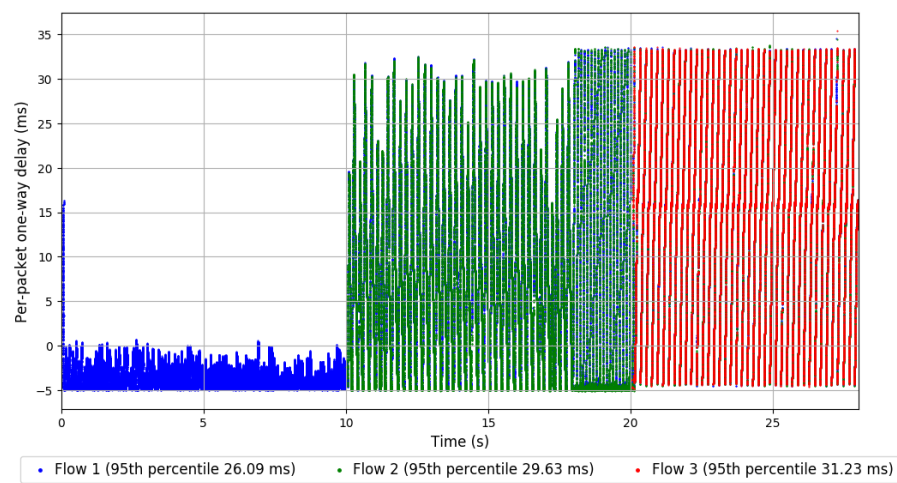
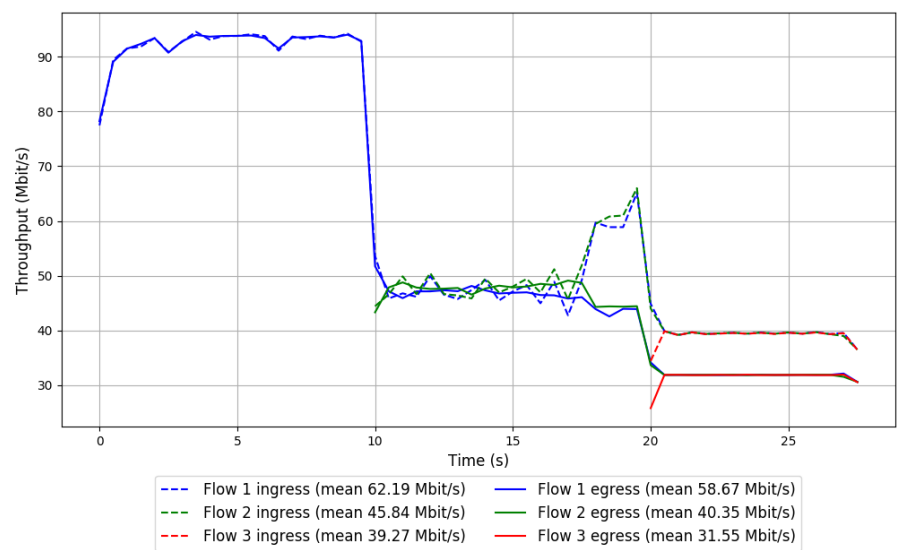


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-10 05:01:36
End at: 2018-01-10 05:02:06
Local clock offset: 4.48 ms
Remote clock offset: -12.877 ms

Below is generated by plot.py at 2018-01-10 06:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 28.533 ms
Loss rate: 8.90%
-- Flow 1:
Average throughput: 58.67 Mbit/s
95th percentile per-packet one-way delay: 26.093 ms
Loss rate: 5.59%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 29.627 ms
Loss rate: 11.89%
-- Flow 3:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 31.233 ms
Loss rate: 19.45%

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



Run 10: Statistics of TaoVA-100x

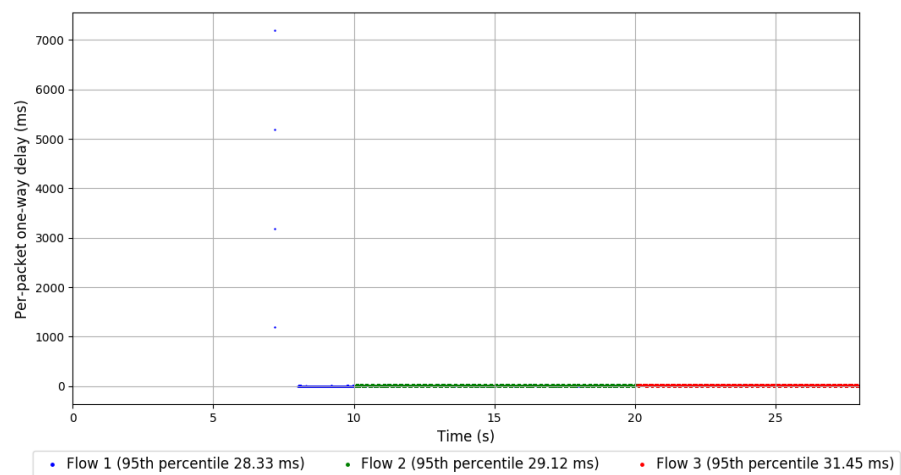
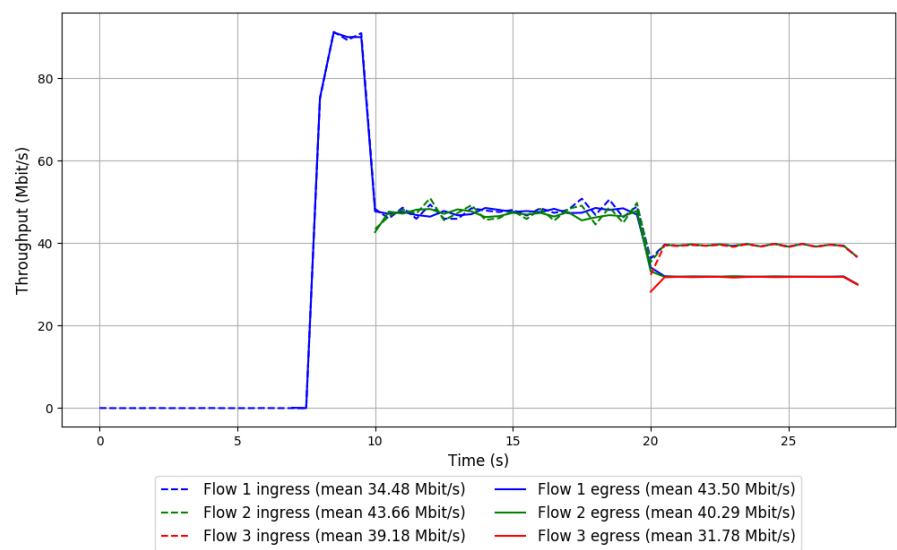
Start at: 2018-01-10 05:19:58

End at: 2018-01-10 05:20:28

Local clock offset: 2.273 ms

Remote clock offset: -14.463 ms

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

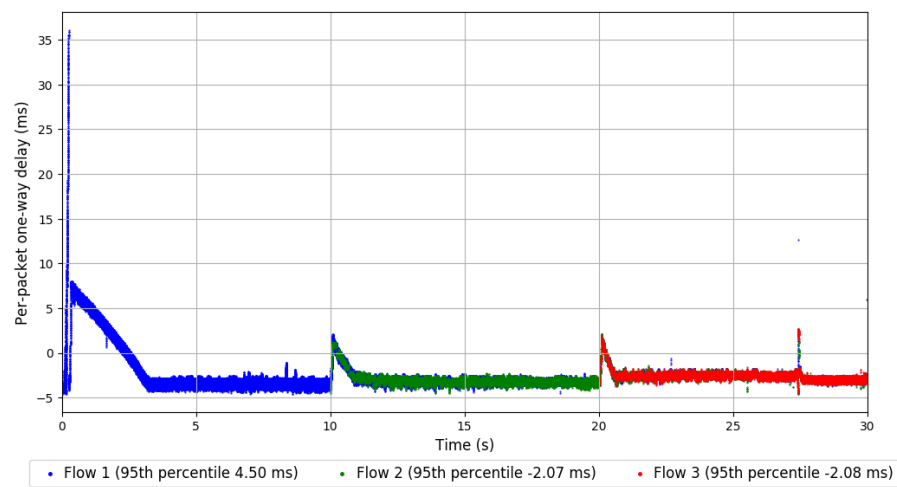
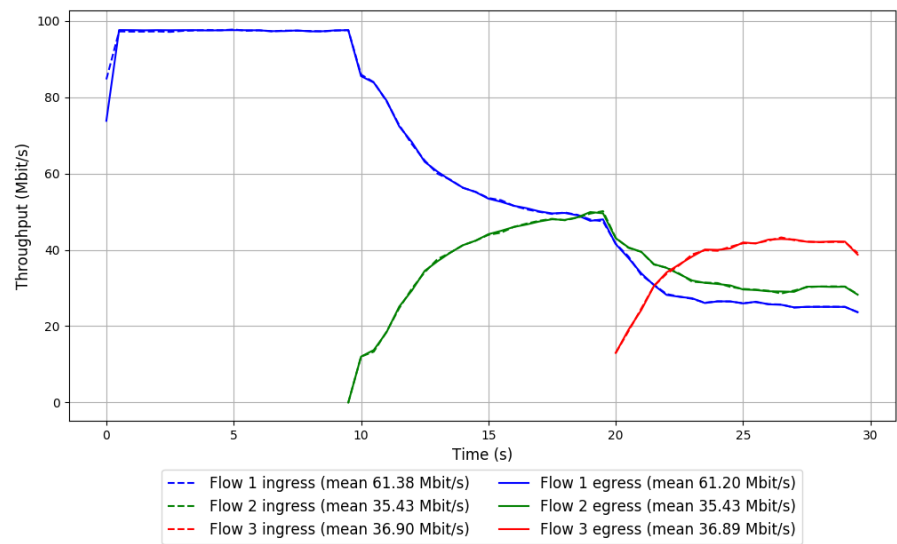


Run 1: Statistics of TCP Vegas

Start at: 2018-01-10 02:43:57
End at: 2018-01-10 02:44:27
Local clock offset: 2.984 ms
Remote clock offset: -14.311 ms

Below is generated by plot.py at 2018-01-10 06:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 2.560 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 4.498 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: -2.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: -2.079 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

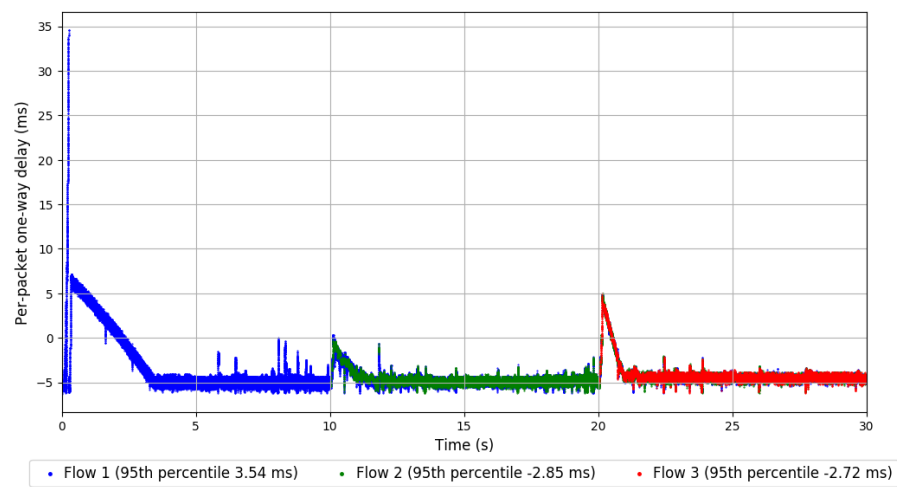
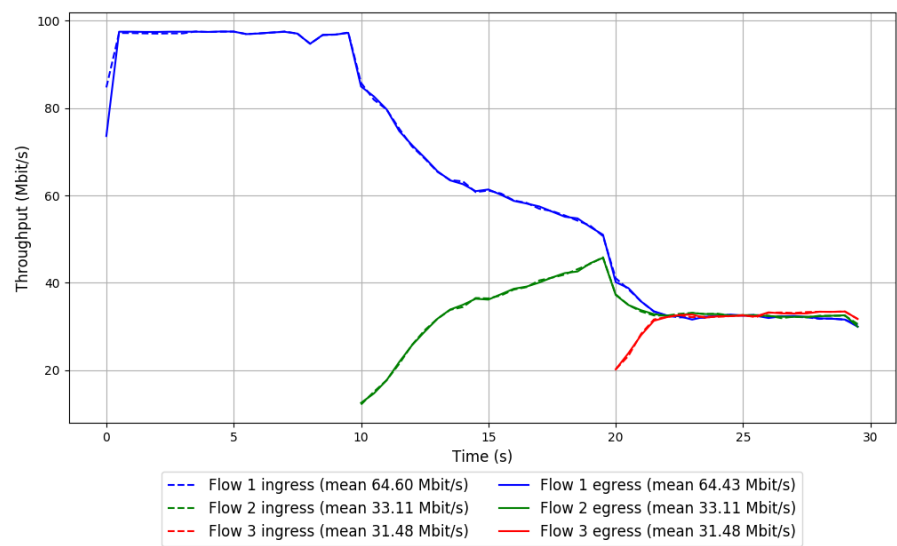


Run 2: Statistics of TCP Vegas

Start at: 2018-01-10 03:01:50
End at: 2018-01-10 03:02:20
Local clock offset: 3.957 ms
Remote clock offset: -14.423 ms

Below is generated by plot.py at 2018-01-10 06:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 3.545 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: -2.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: -2.718 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

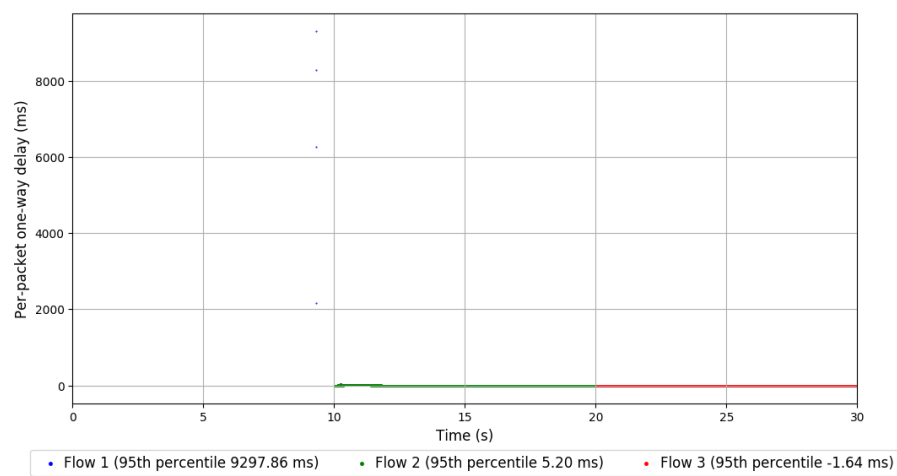
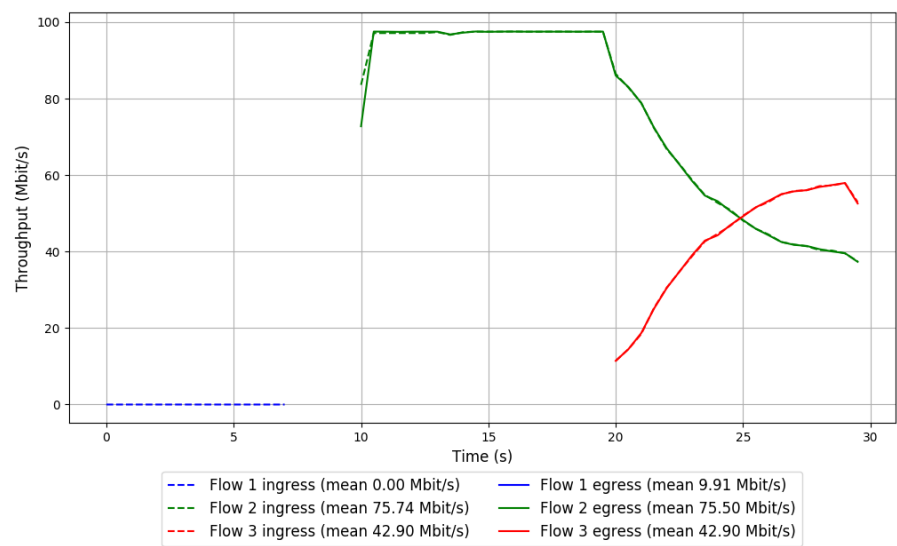
Start at: 2018-01-10 03:19:55

End at: 2018-01-10 03:20:25

Local clock offset: 2.399 ms

Remote clock offset: -14.138 ms

Run 3: Report of TCP Vegas — Data Link

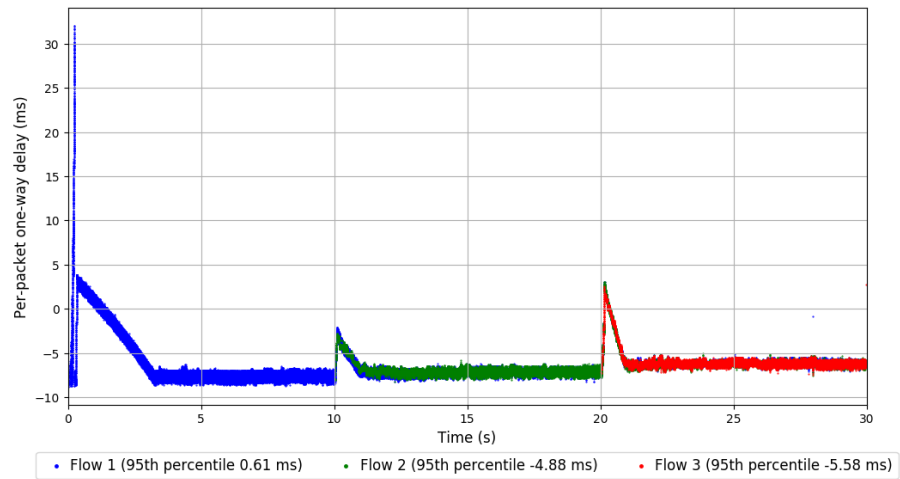
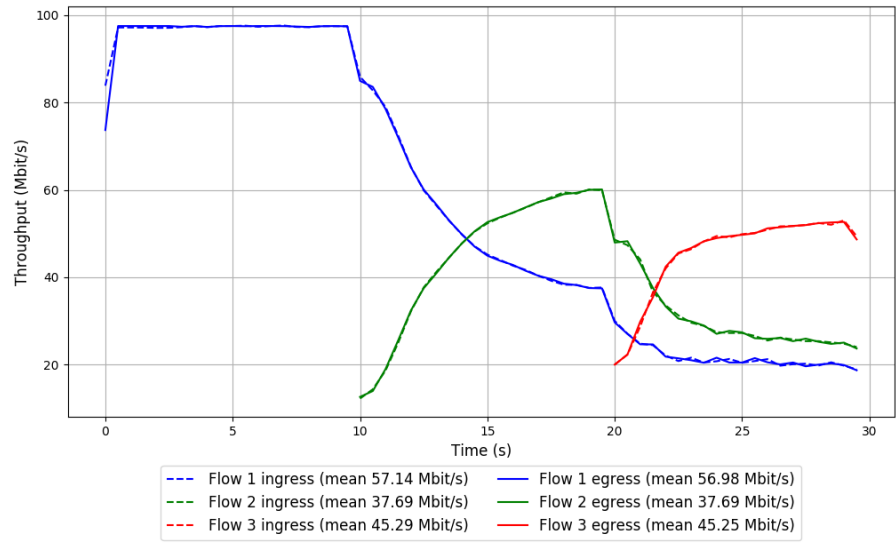


Run 4: Statistics of TCP Vegas

Start at: 2018-01-10 03:37:51
End at: 2018-01-10 03:38:21
Local clock offset: 5.704 ms
Remote clock offset: -15.66 ms

Below is generated by plot.py at 2018-01-10 06:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: -0.716 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 0.610 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: -4.883 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: -5.580 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

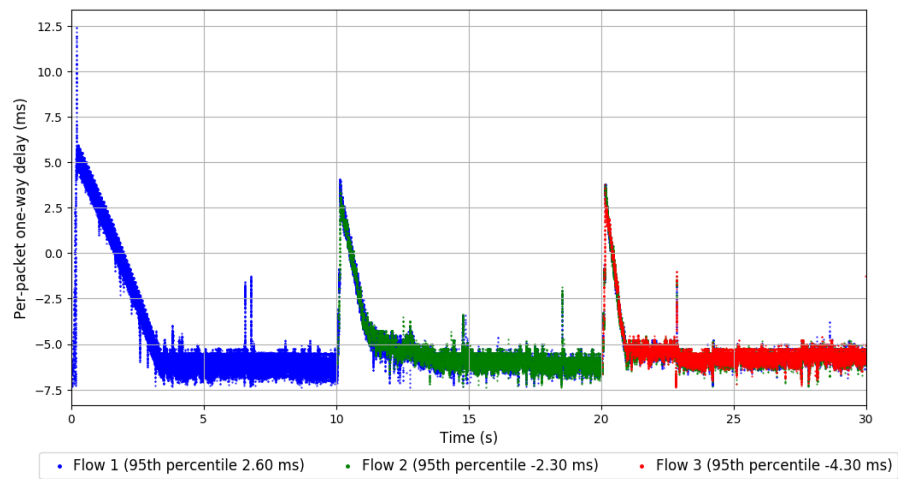
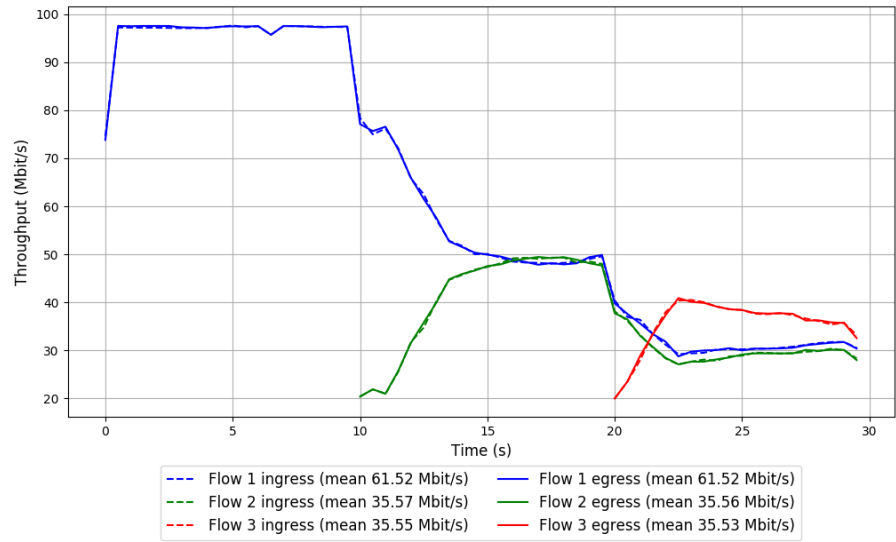


Run 5: Statistics of TCP Vegas

Start at: 2018-01-10 03:55:59
End at: 2018-01-10 03:56:29
Local clock offset: 4.087 ms
Remote clock offset: -15.021 ms

Below is generated by plot.py at 2018-01-10 06:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 1.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.52 Mbit/s
95th percentile per-packet one-way delay: 2.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.56 Mbit/s
95th percentile per-packet one-way delay: -2.296 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: -4.304 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

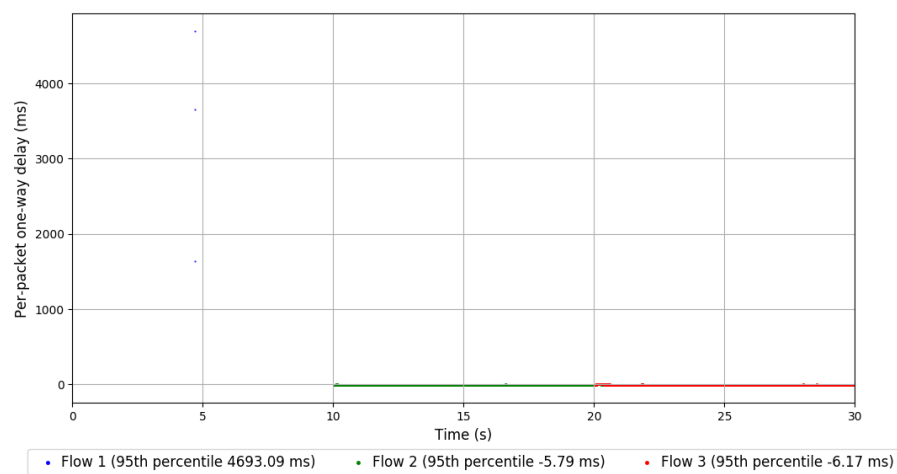
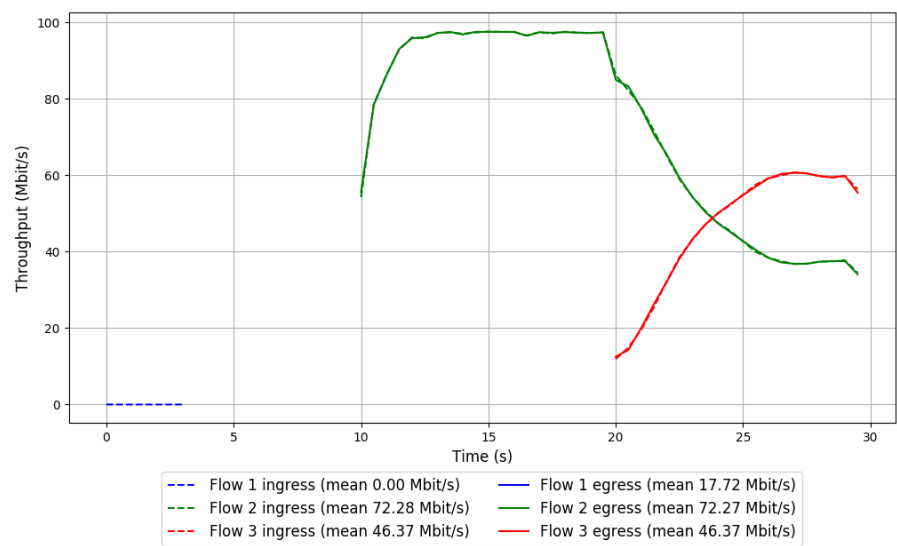


Run 6: Statistics of TCP Vegas

Start at: 2018-01-10 04:14:21
End at: 2018-01-10 04:14:51
Local clock offset: 6.509 ms
Remote clock offset: -13.146 ms

Below is generated by plot.py at 2018-01-10 06:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: -5.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 4693.092 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: -5.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: -6.173 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

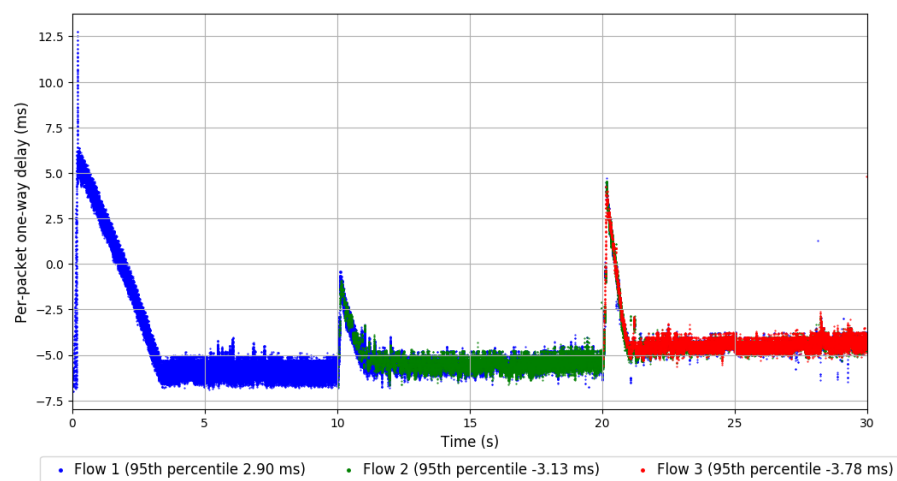
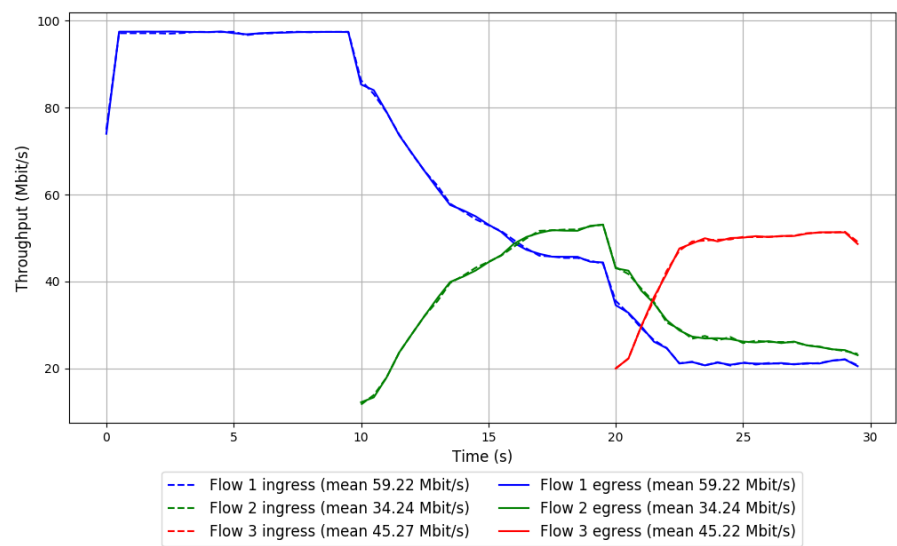


Run 7: Statistics of TCP Vegas

Start at: 2018-01-10 04:32:21
End at: 2018-01-10 04:32:52
Local clock offset: 5.553 ms
Remote clock offset: -13.681 ms

Below is generated by plot.py at 2018-01-10 06:46:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 1.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 2.895 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: -3.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: -3.776 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

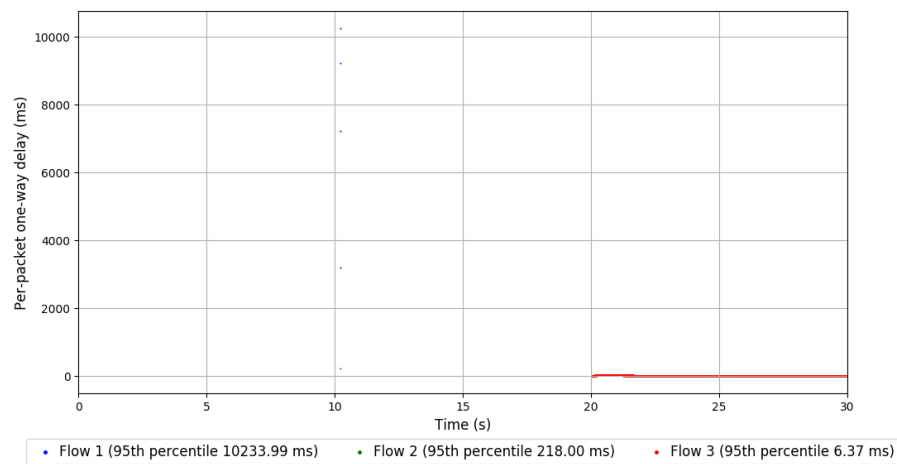
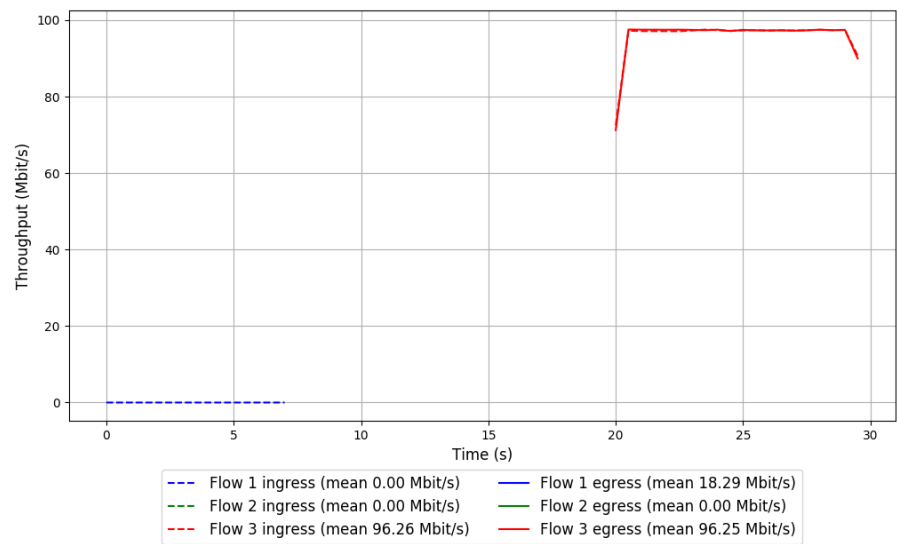
Start at: 2018-01-10 04:50:49

End at: 2018-01-10 04:51:19

Local clock offset: 3.551 ms

Remote clock offset: -13.439 ms

Run 8: Report of TCP Vegas — Data Link

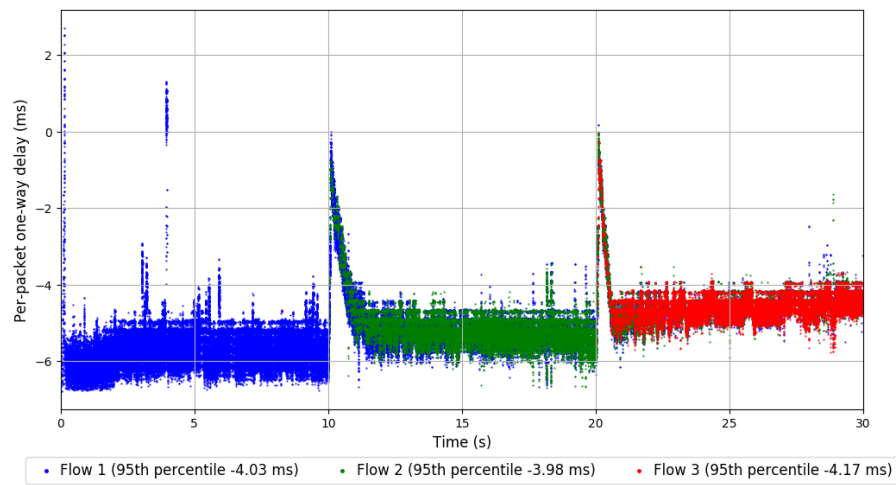
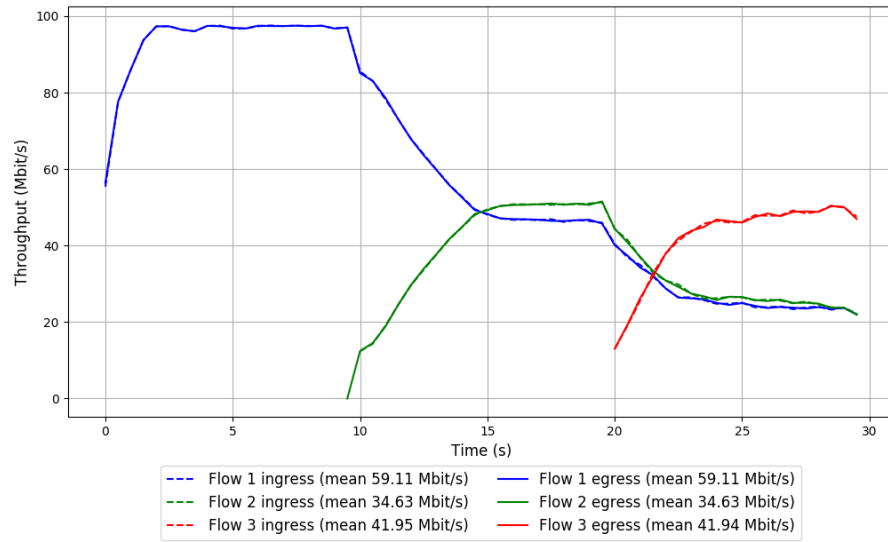


Run 9: Statistics of TCP Vegas

Start at: 2018-01-10 05:08:54
End at: 2018-01-10 05:09:24
Local clock offset: 4.172 ms
Remote clock offset: -14.591 ms

Below is generated by plot.py at 2018-01-10 06:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: -4.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: -4.031 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: -3.985 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: -4.166 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

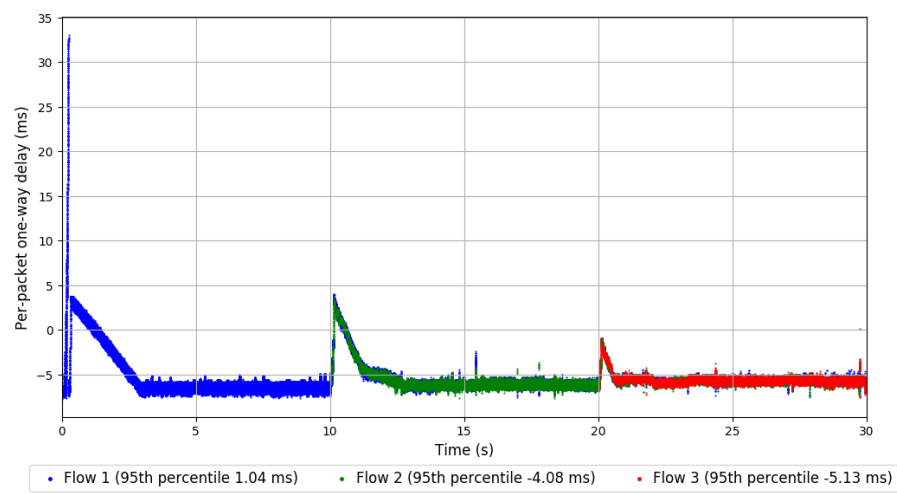
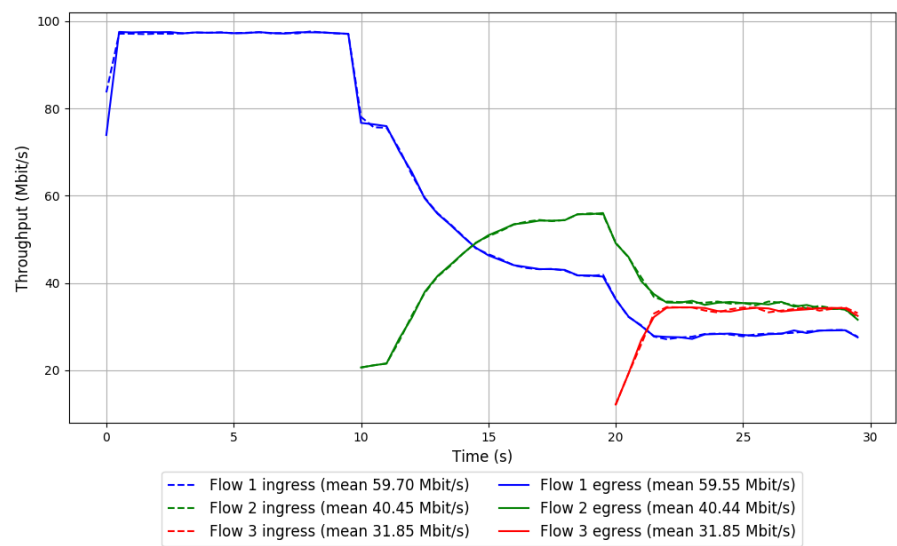


Run 10: Statistics of TCP Vegas

Start at: 2018-01-10 05:27:16
End at: 2018-01-10 05:27:46
Local clock offset: 5.987 ms
Remote clock offset: -13.672 ms

Below is generated by plot.py at 2018-01-10 06:47:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: -0.107 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: -4.075 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: -5.129 ms
Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link

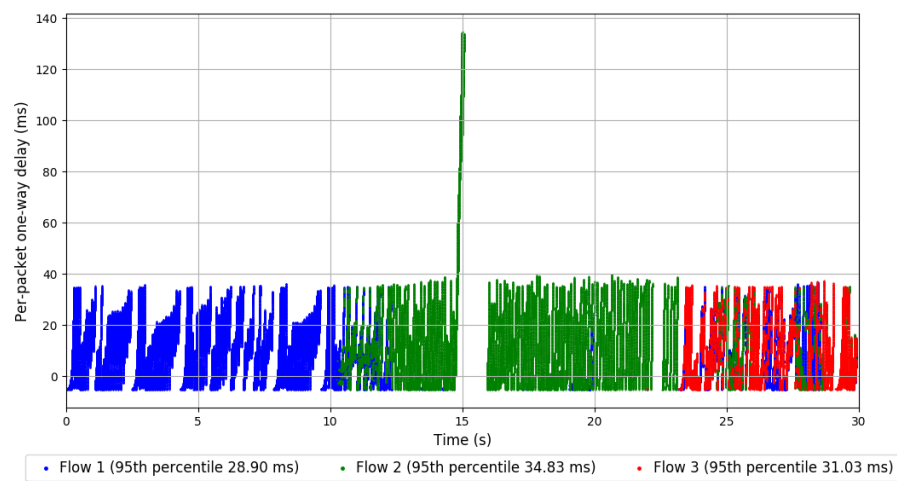
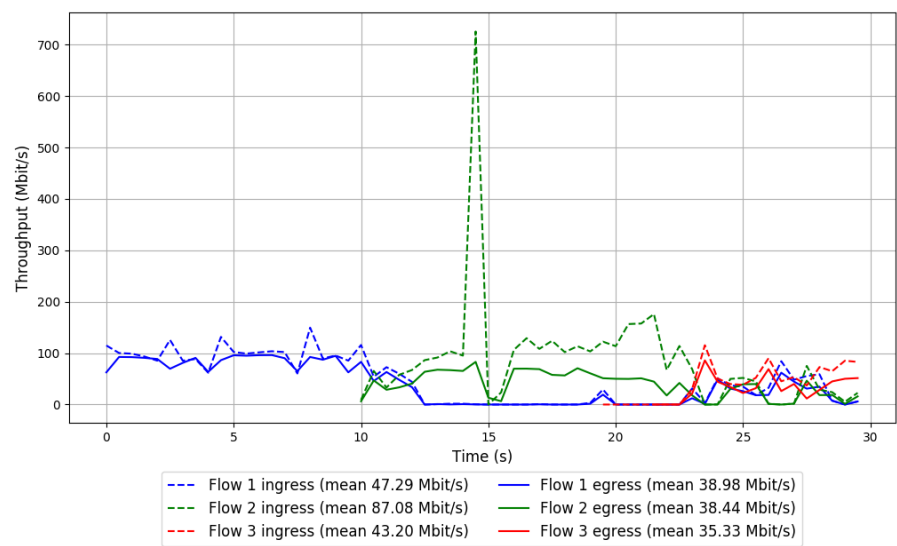


Run 1: Statistics of Verus

Start at: 2018-01-10 02:48:41
End at: 2018-01-10 02:49:11
Local clock offset: 1.268 ms
Remote clock offset: -17.001 ms

Below is generated by plot.py at 2018-01-10 06:47:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 31.662 ms
Loss rate: 38.03%
-- Flow 1:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 28.904 ms
Loss rate: 17.53%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 34.831 ms
Loss rate: 55.82%
-- Flow 3:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 31.033 ms
Loss rate: 34.53%

Run 1: Report of Verus — Data Link

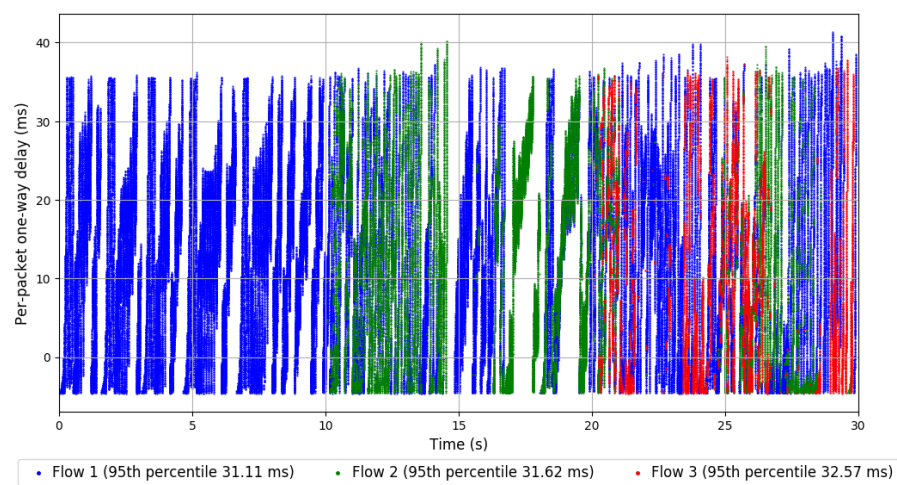
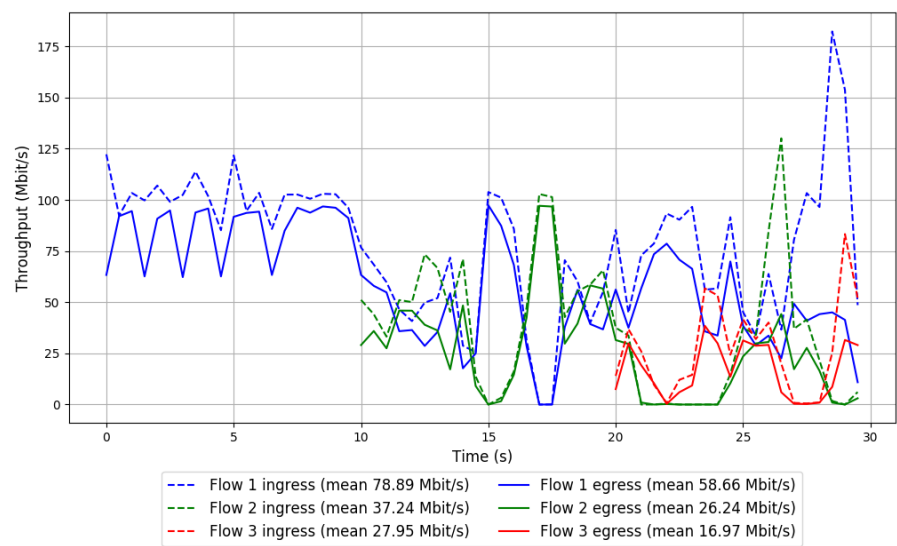


Run 2: Statistics of Verus

Start at: 2018-01-10 03:06:43
End at: 2018-01-10 03:07:13
Local clock offset: 1.966 ms
Remote clock offset: -14.53 ms

Below is generated by plot.py at 2018-01-10 06:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.53 Mbit/s
95th percentile per-packet one-way delay: 31.351 ms
Loss rate: 27.61%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 31.107 ms
Loss rate: 25.62%
-- Flow 2:
Average throughput: 26.24 Mbit/s
95th percentile per-packet one-way delay: 31.616 ms
Loss rate: 29.64%
-- Flow 3:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 32.574 ms
Loss rate: 39.30%

Run 2: Report of Verus — Data Link

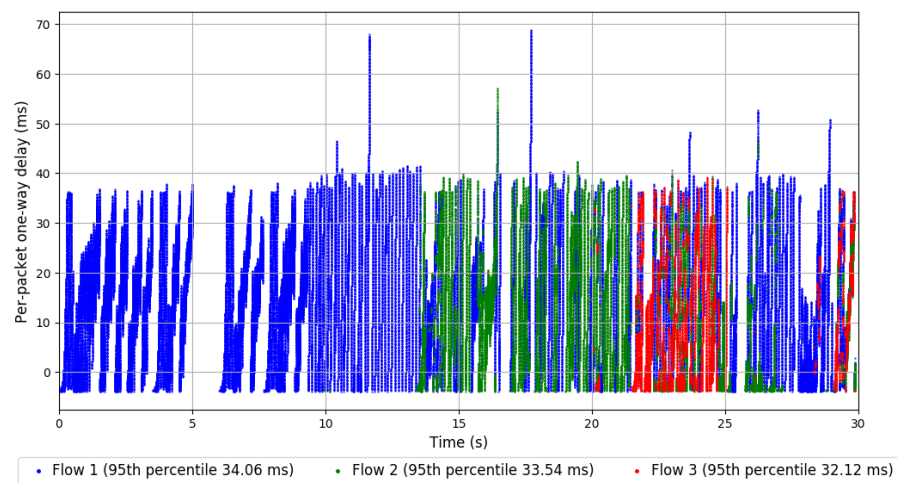
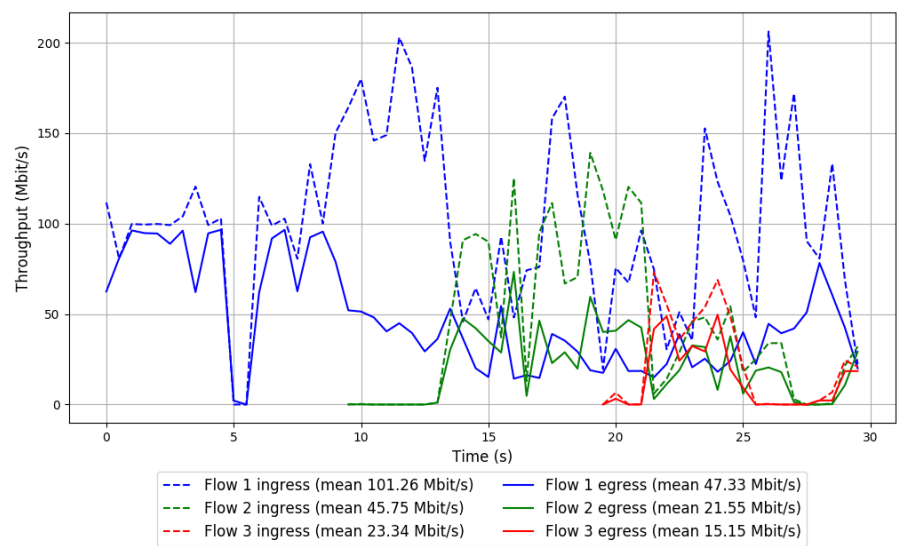


Run 3: Statistics of Verus

Start at: 2018-01-10 03:24:38
End at: 2018-01-10 03:25:08
Local clock offset: 1.057 ms
Remote clock offset: -15.703 ms

Below is generated by plot.py at 2018-01-10 06:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.72 Mbit/s
95th percentile per-packet one-way delay: 33.838 ms
Loss rate: 52.17%
-- Flow 1:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 34.062 ms
Loss rate: 53.25%
-- Flow 2:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 33.536 ms
Loss rate: 52.89%
-- Flow 3:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 35.29%

Run 3: Report of Verus — Data Link

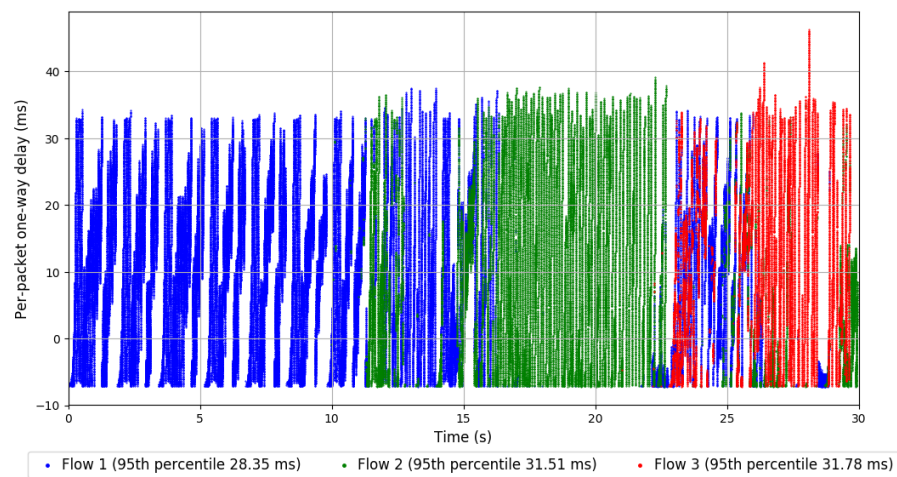
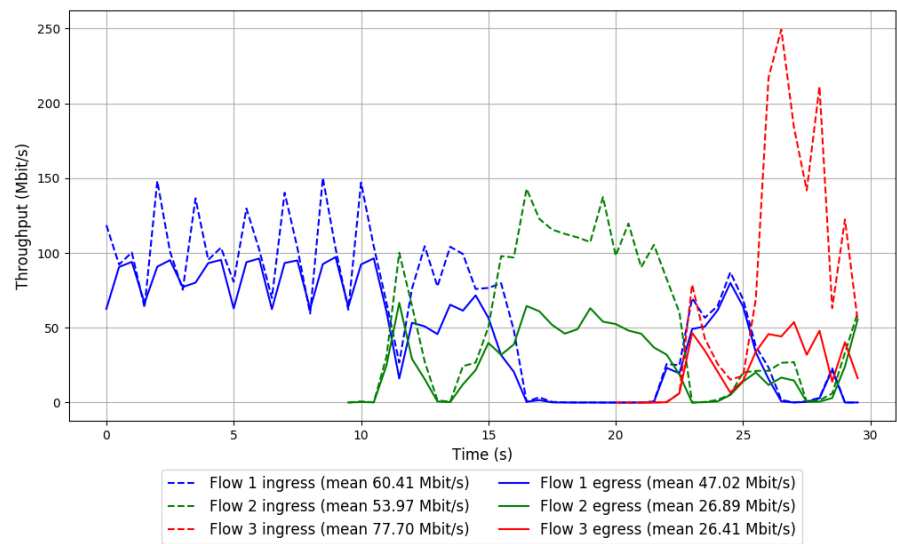


Run 4: Statistics of Verus

Start at: 2018-01-10 03:42:34
End at: 2018-01-10 03:43:04
Local clock offset: 4.328 ms
Remote clock offset: -15.134 ms

Below is generated by plot.py at 2018-01-10 06:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 29.670 ms
Loss rate: 40.21%
-- Flow 1:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 28.352 ms
Loss rate: 22.15%
-- Flow 2:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 31.508 ms
Loss rate: 50.15%
-- Flow 3:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 69.50%

Run 4: Report of Verus — Data Link

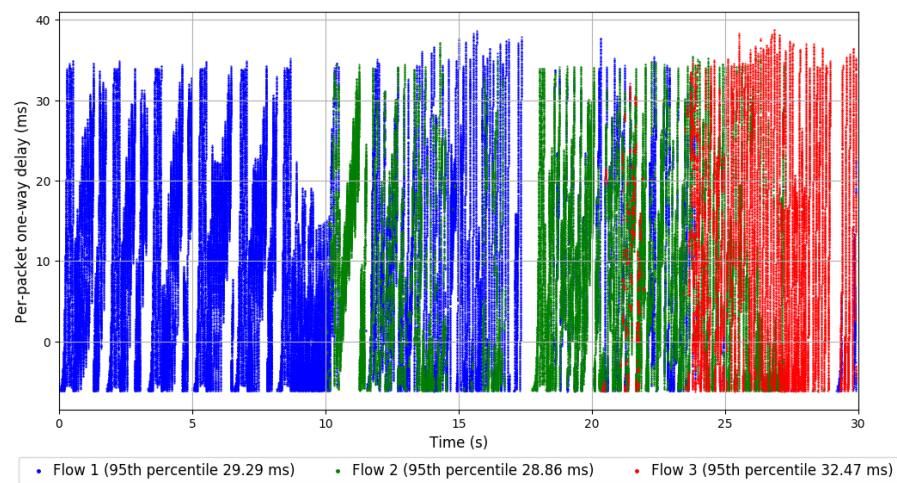
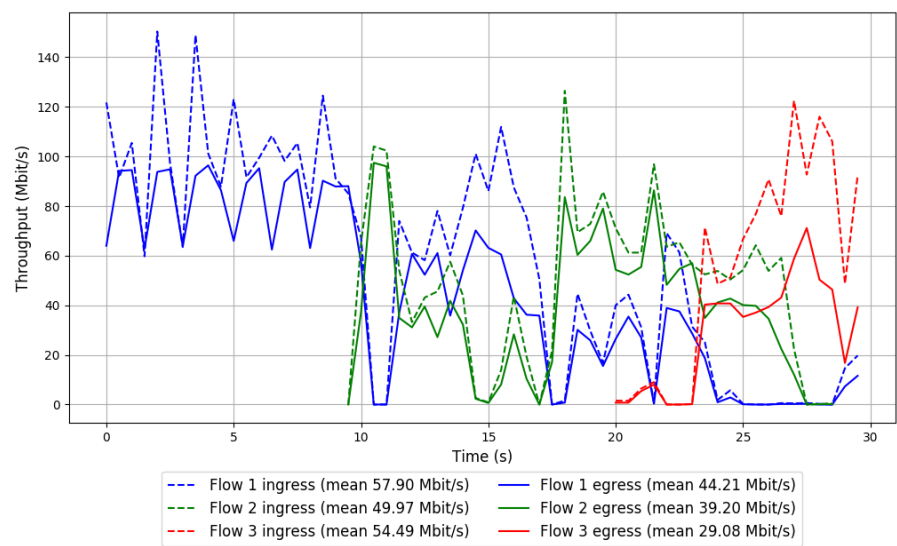


Run 5: Statistics of Verus

Start at: 2018-01-10 04:00:57
End at: 2018-01-10 04:01:27
Local clock offset: 2.948 ms
Remote clock offset: -14.856 ms

Below is generated by plot.py at 2018-01-10 06:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 29.711 ms
Loss rate: 27.13%
-- Flow 1:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 29.287 ms
Loss rate: 23.64%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 28.862 ms
Loss rate: 22.34%
-- Flow 3:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 32.467 ms
Loss rate: 46.77%

Run 5: Report of Verus — Data Link

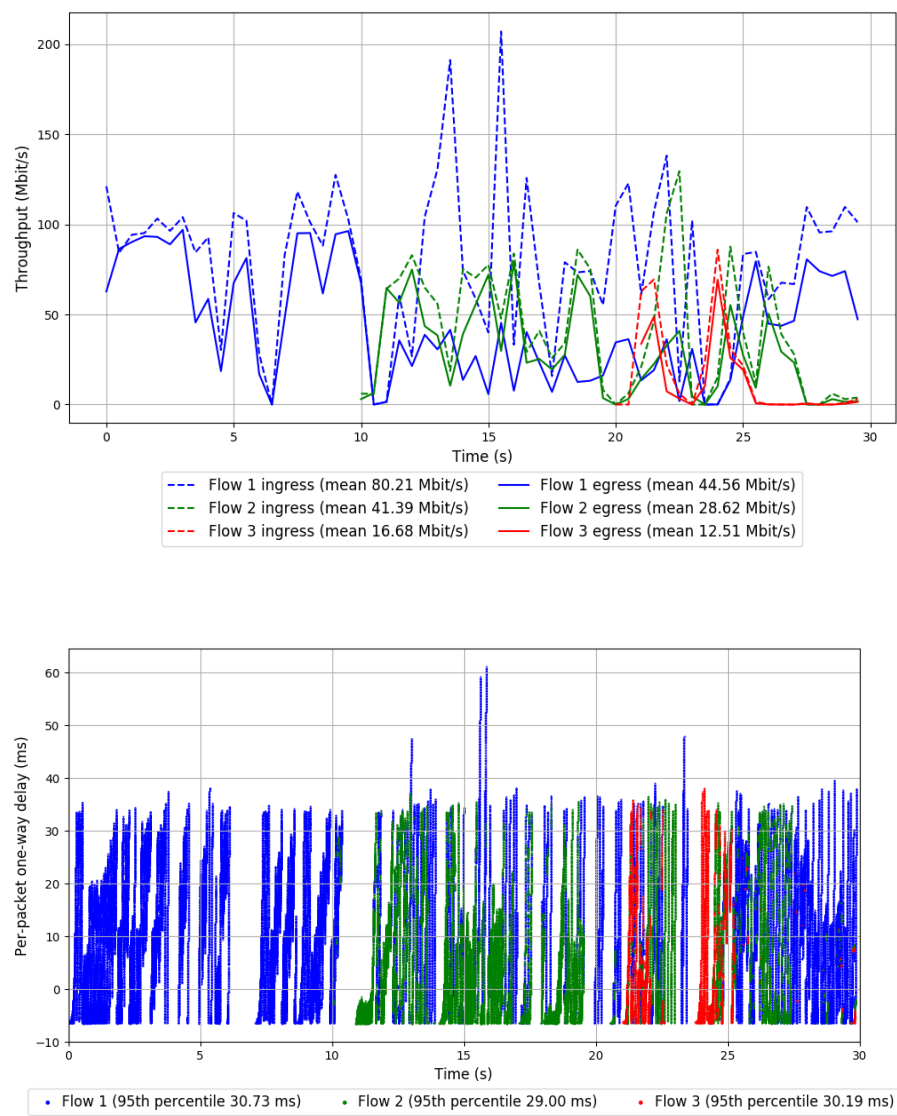


Run 6: Statistics of Verus

Start at: 2018-01-10 04:19:10
End at: 2018-01-10 04:19:40
Local clock offset: 4.058 ms
Remote clock offset: -13.85 ms

Below is generated by plot.py at 2018-01-10 06:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 30.284 ms
Loss rate: 40.60%
-- Flow 1:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 30.728 ms
Loss rate: 44.43%
-- Flow 2:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 29.000 ms
Loss rate: 30.98%
-- Flow 3:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 30.188 ms
Loss rate: 32.81%

Run 6: Report of Verus — Data Link

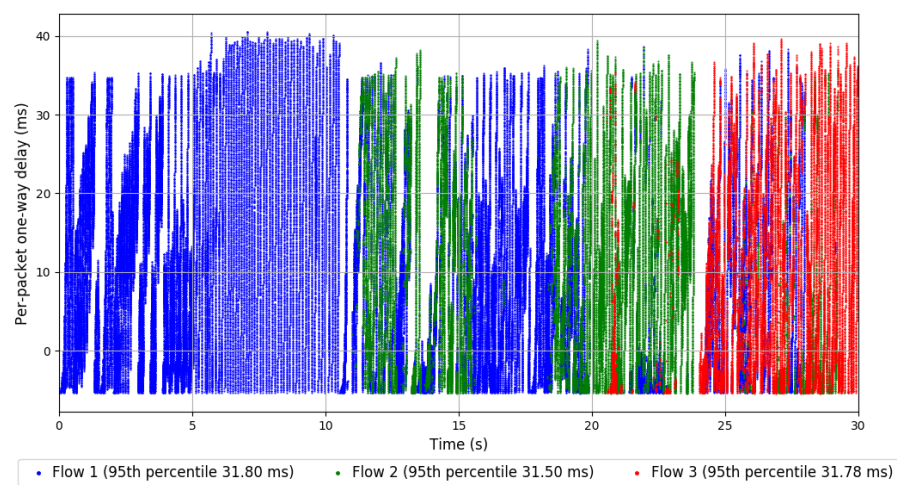
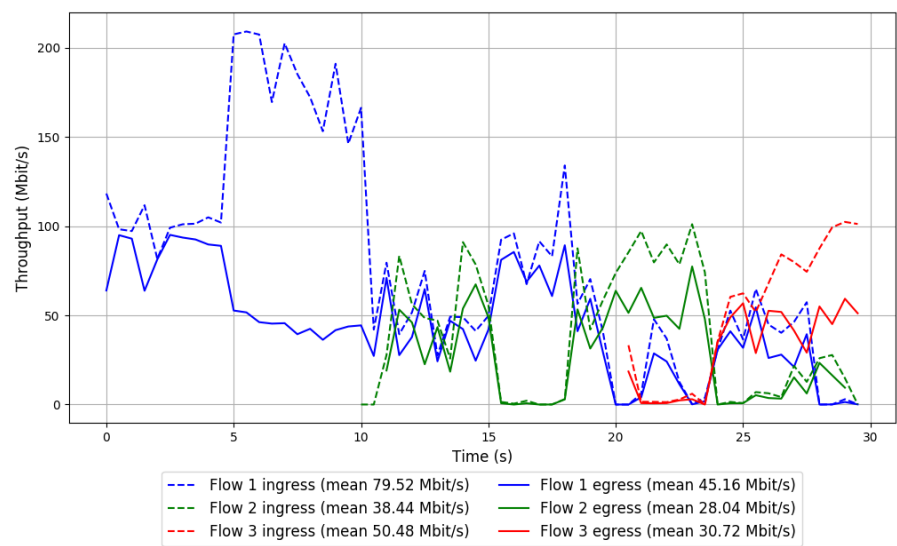


Run 7: Statistics of Verus

Start at: 2018-01-10 04:37:25
End at: 2018-01-10 04:37:55
Local clock offset: 4.829 ms
Remote clock offset: -13.324 ms

Below is generated by plot.py at 2018-01-10 06:49:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 31.733 ms
Loss rate: 40.23%
-- Flow 1:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 31.801 ms
Loss rate: 43.27%
-- Flow 2:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 31.45%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 31.779 ms
Loss rate: 39.05%

Run 7: Report of Verus — Data Link

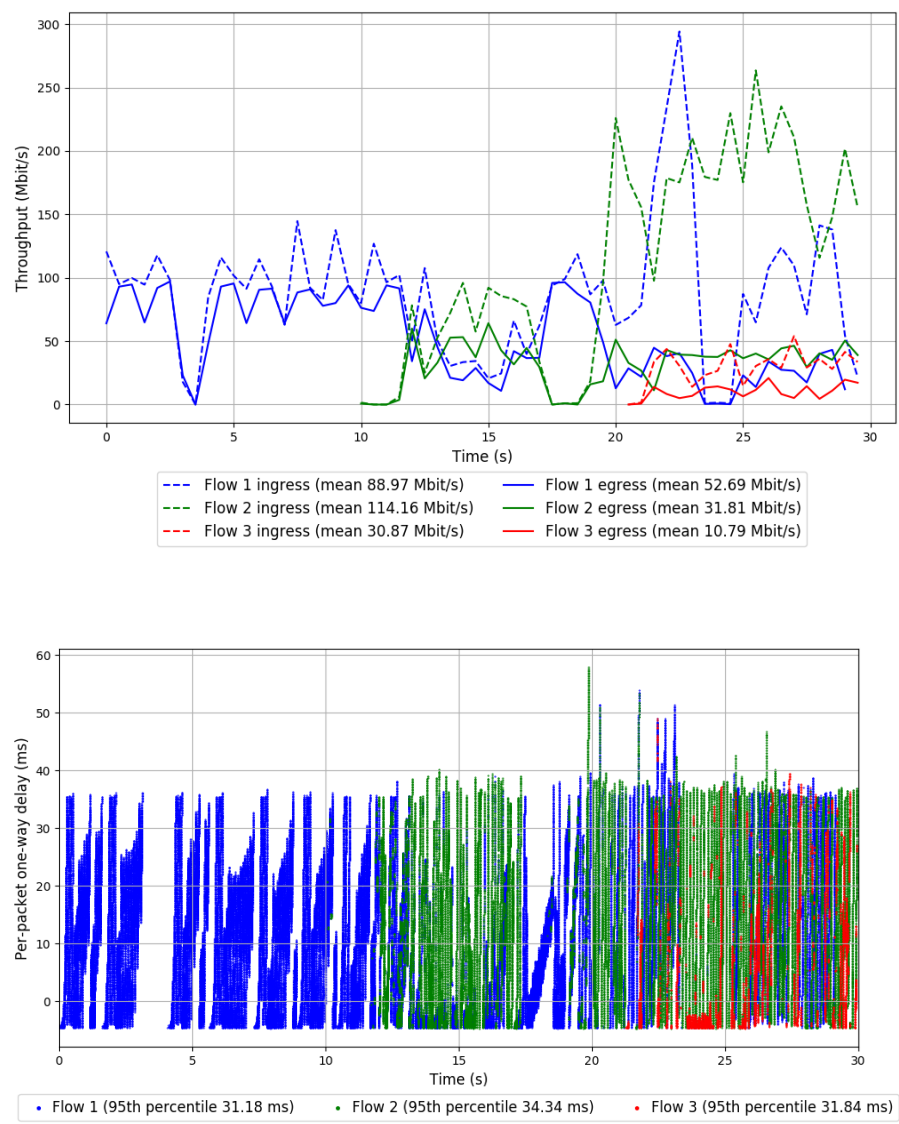


Run 8: Statistics of Verus

Start at: 2018-01-10 04:55:30
End at: 2018-01-10 04:56:00
Local clock offset: 3.048 ms
Remote clock offset: -14.149 ms

Below is generated by plot.py at 2018-01-10 06:50:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 56.45%
-- Flow 1:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 31.177 ms
Loss rate: 42.15%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 34.342 ms
Loss rate: 72.10%
-- Flow 3:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 31.840 ms
Loss rate: 65.02%

Run 8: Report of Verus — Data Link

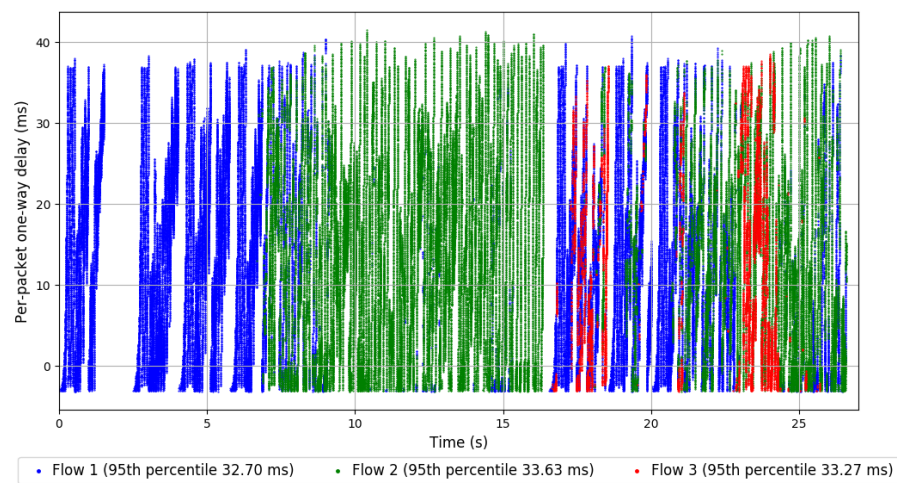
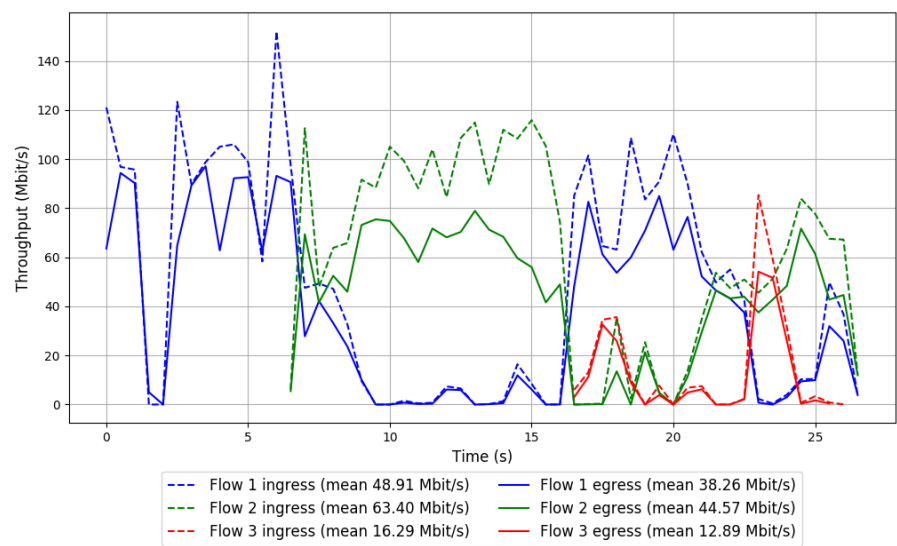


Run 9: Statistics of Verus

Start at: 2018-01-10 05:13:50
End at: 2018-01-10 05:14:20
Local clock offset: 3.909 ms
Remote clock offset: -11.157 ms

Below is generated by plot.py at 2018-01-10 06:50:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.00 Mbit/s
95th percentile per-packet one-way delay: 33.155 ms
Loss rate: 25.55%
-- Flow 1:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 32.702 ms
Loss rate: 21.74%
-- Flow 2:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 33.626 ms
Loss rate: 29.70%
-- Flow 3:
Average throughput: 12.89 Mbit/s
95th percentile per-packet one-way delay: 33.272 ms
Loss rate: 23.74%

Run 9: Report of Verus — Data Link

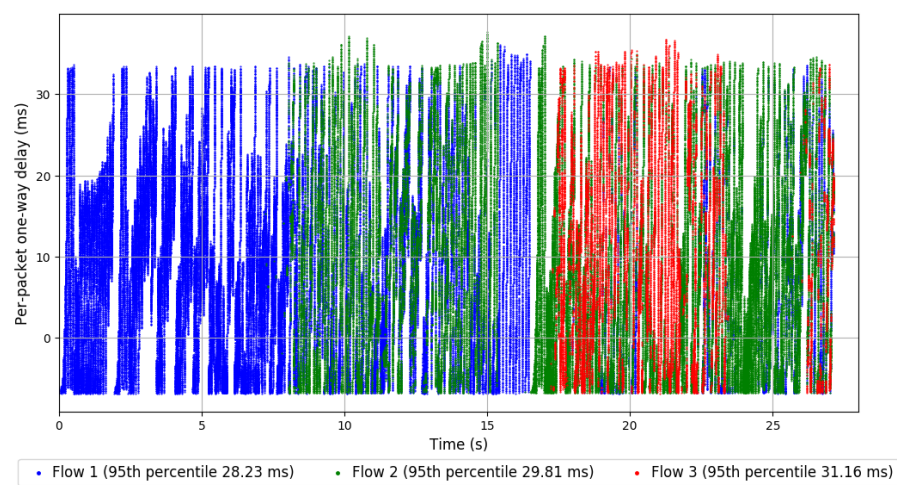
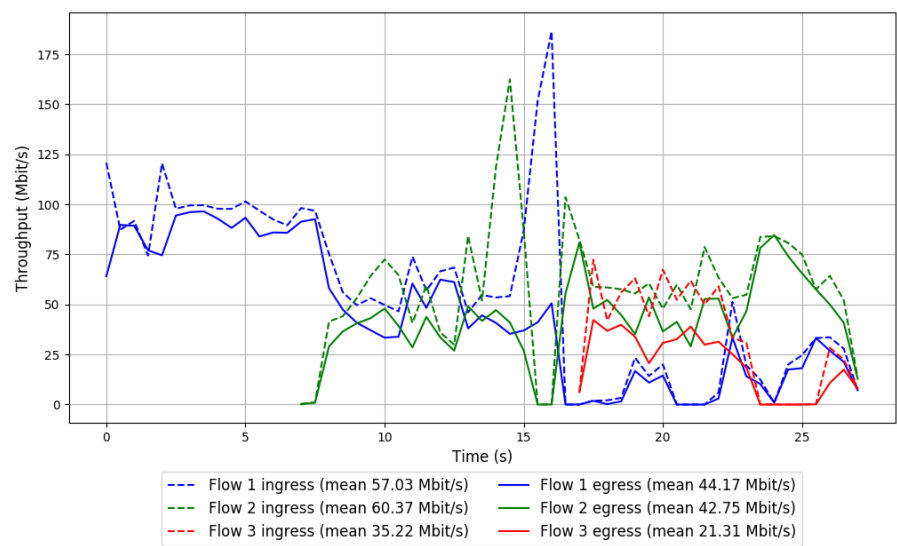


Run 10: Statistics of Verus

Start at: 2018-01-10 05:32:14
End at: 2018-01-10 05:32:44
Local clock offset: 6.426 ms
Remote clock offset: -12.958 ms

Below is generated by plot.py at 2018-01-10 06:50:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 29.209 ms
Loss rate: 27.00%
-- Flow 1:
Average throughput: 44.17 Mbit/s
95th percentile per-packet one-way delay: 28.232 ms
Loss rate: 22.50%
-- Flow 2:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 29.809 ms
Loss rate: 29.19%
-- Flow 3:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 39.40%

Run 10: Report of Verus — Data Link

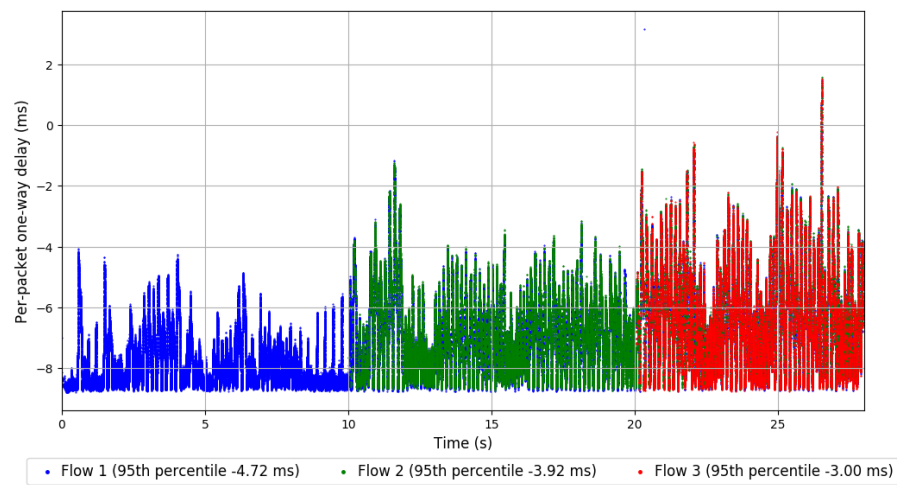
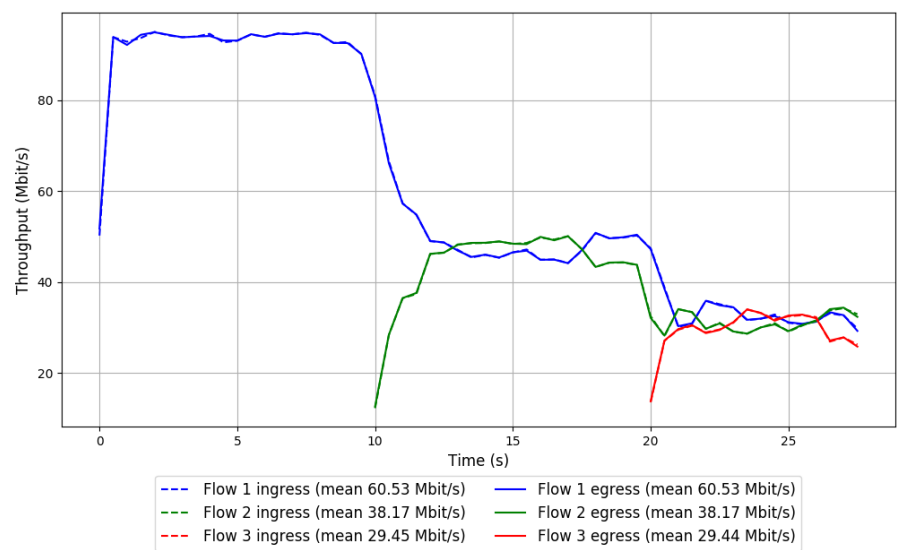


Run 1: Statistics of Copa

Start at: 2018-01-10 02:47:26
End at: 2018-01-10 02:47:56
Local clock offset: 5.125 ms
Remote clock offset: -16.471 ms

Below is generated by plot.py at 2018-01-10 06:51:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: -4.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: -4.722 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: -3.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: -3.005 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

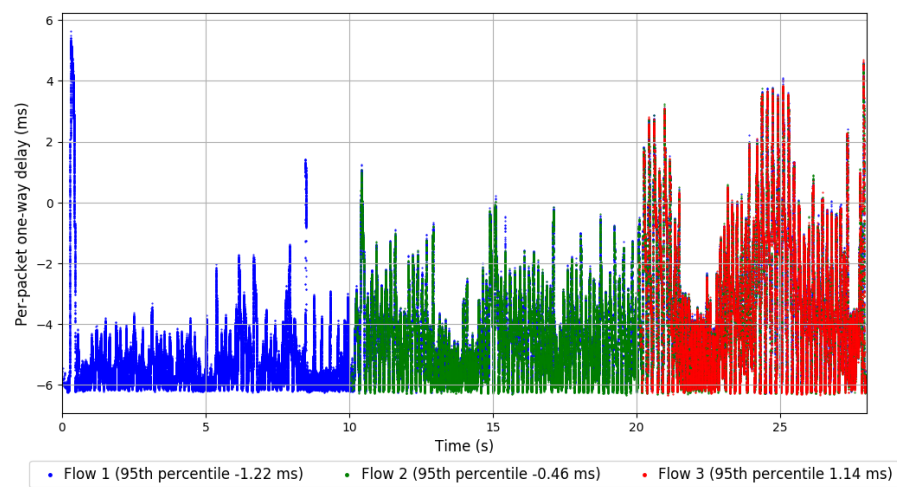
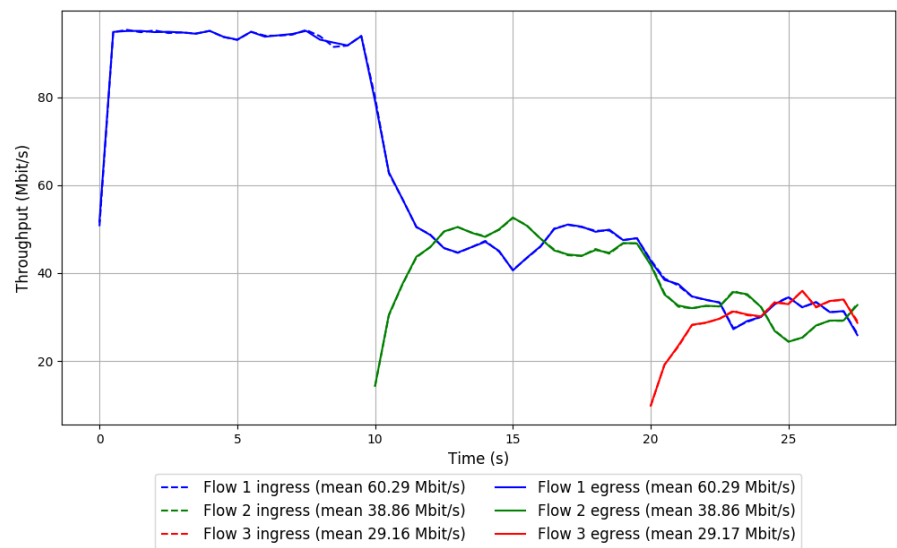


Run 2: Statistics of Copa

Start at: 2018-01-10 03:05:24
End at: 2018-01-10 03:05:54
Local clock offset: 4.485 ms
Remote clock offset: -13.722 ms

Below is generated by plot.py at 2018-01-10 06:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: -0.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: -1.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: -0.463 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

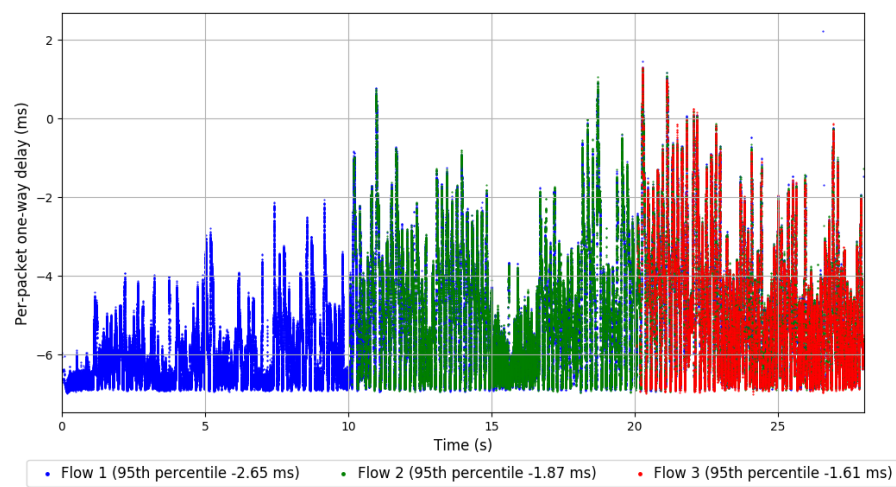
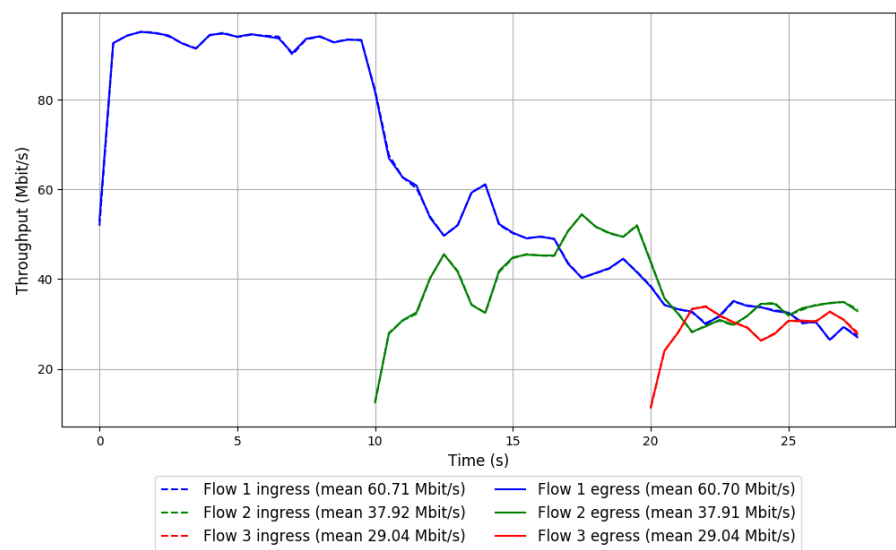


Run 3: Statistics of Copa

Start at: 2018-01-10 03:23:23
End at: 2018-01-10 03:23:53
Local clock offset: 4.217 ms
Remote clock offset: -15.552 ms

Below is generated by plot.py at 2018-01-10 06:52:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: -2.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.70 Mbit/s
95th percentile per-packet one-way delay: -2.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: -1.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: -1.612 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

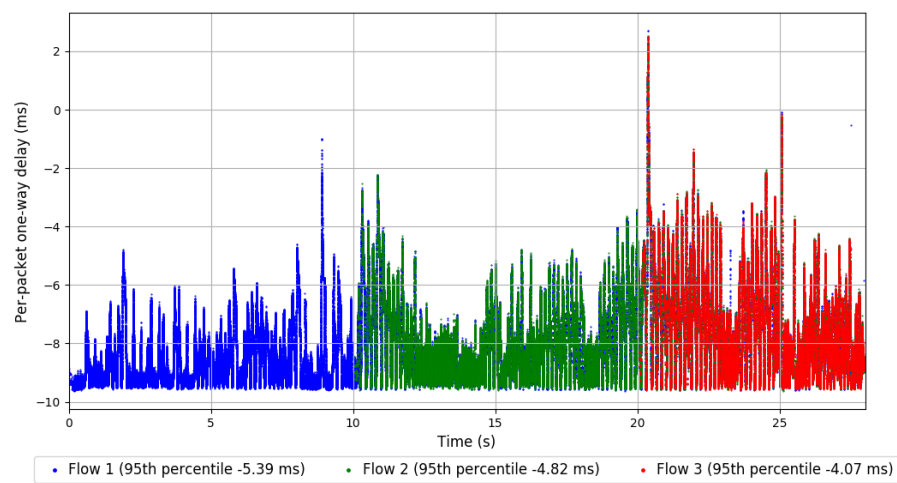
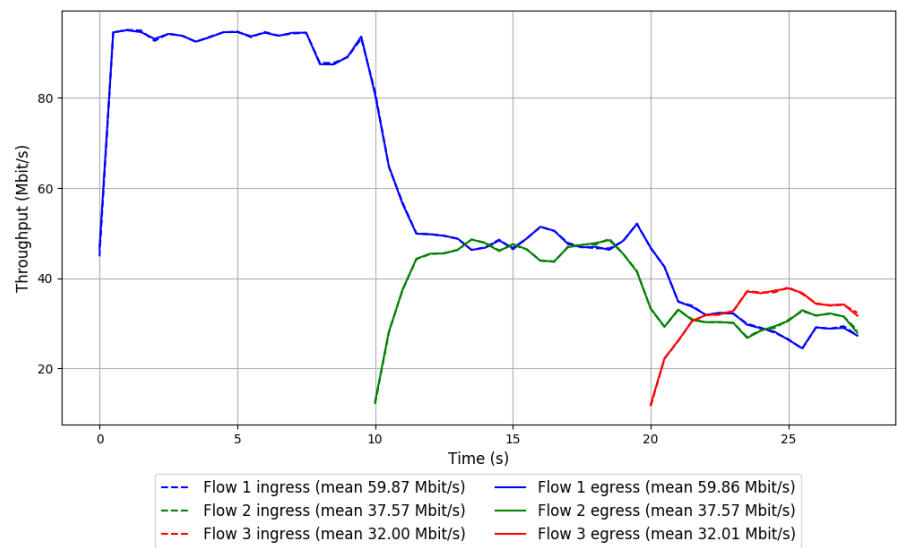


Run 4: Statistics of Copa

Start at: 2018-01-10 03:41:20
End at: 2018-01-10 03:41:50
Local clock offset: 4.982 ms
Remote clock offset: -16.97 ms

Below is generated by plot.py at 2018-01-10 06:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: -5.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: -5.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: -4.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: -4.073 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

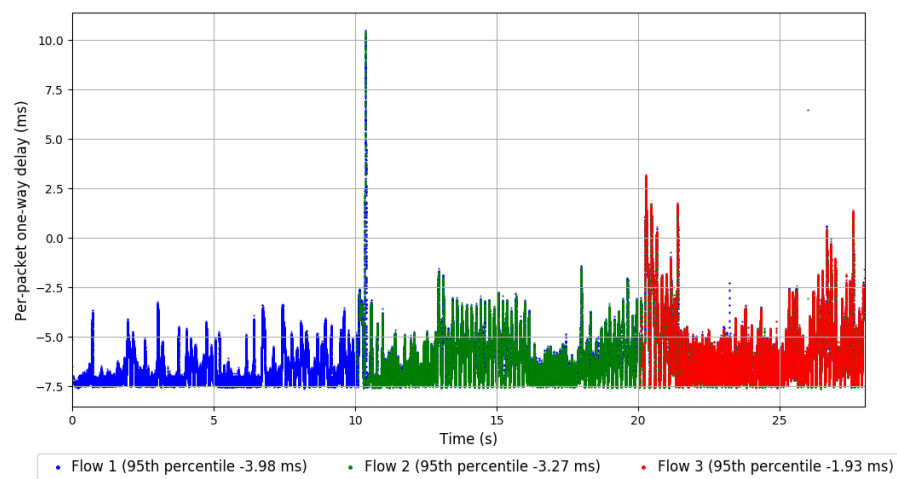
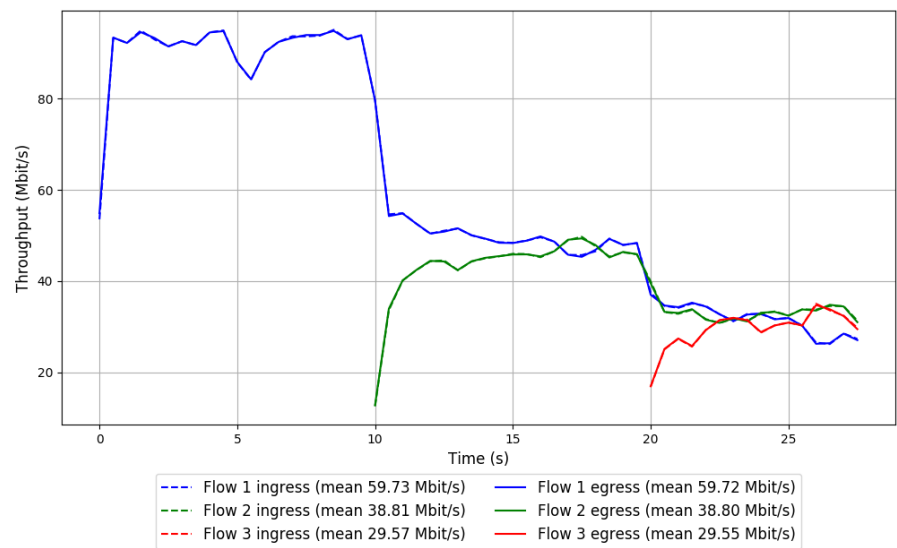


Run 5: Statistics of Copa

Start at: 2018-01-10 03:59:37
End at: 2018-01-10 04:00:07
Local clock offset: 5.023 ms
Remote clock offset: -14.265 ms

Below is generated by plot.py at 2018-01-10 06:53:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: -3.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: -3.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: -3.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: -1.934 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

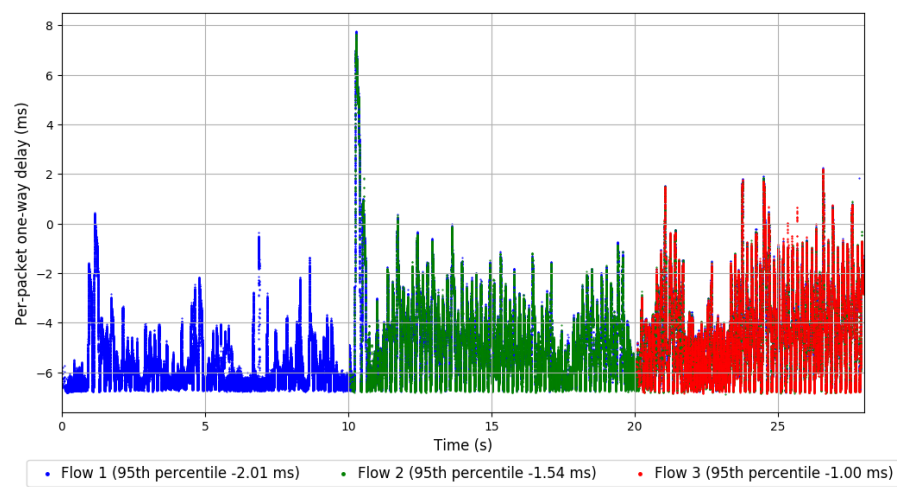
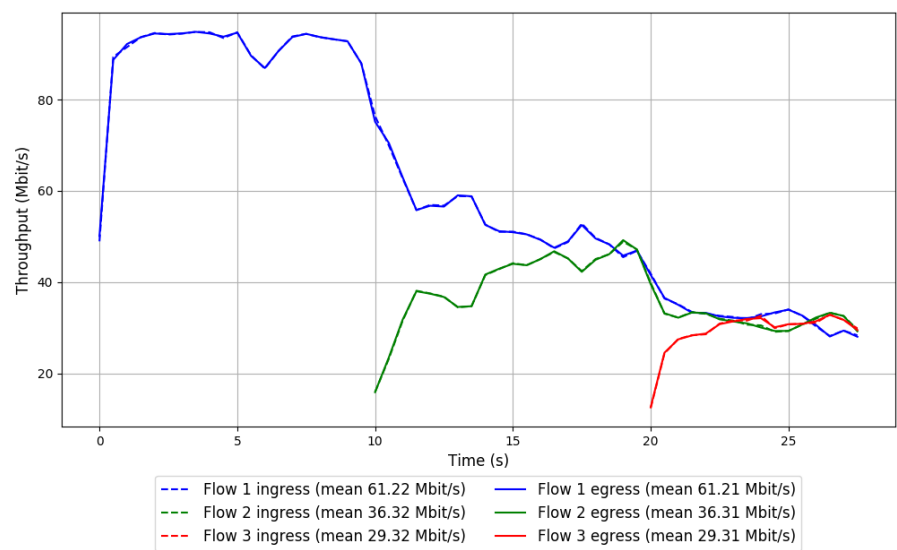


Run 6: Statistics of Copa

Start at: 2018-01-10 04:17:53
End at: 2018-01-10 04:18:23
Local clock offset: 5.71 ms
Remote clock offset: -12.459 ms

Below is generated by plot.py at 2018-01-10 06:54:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: -1.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.21 Mbit/s
95th percentile per-packet one-way delay: -2.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: -1.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: -1.003 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

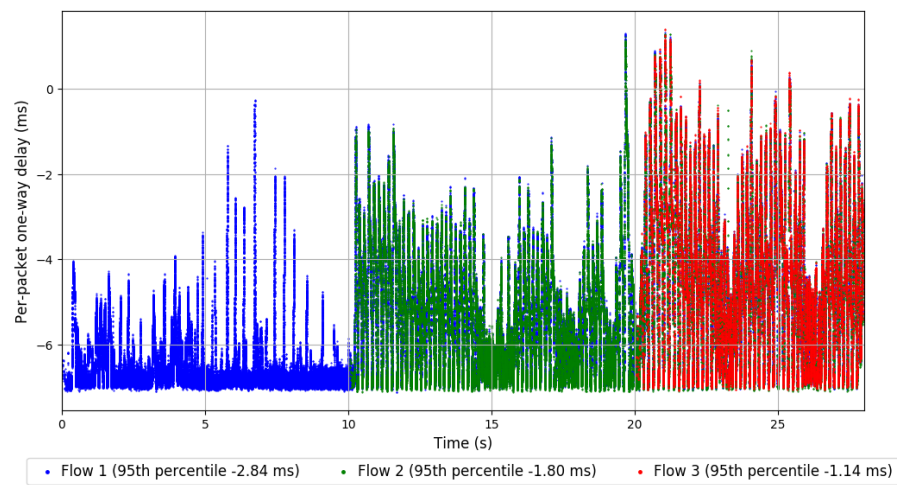
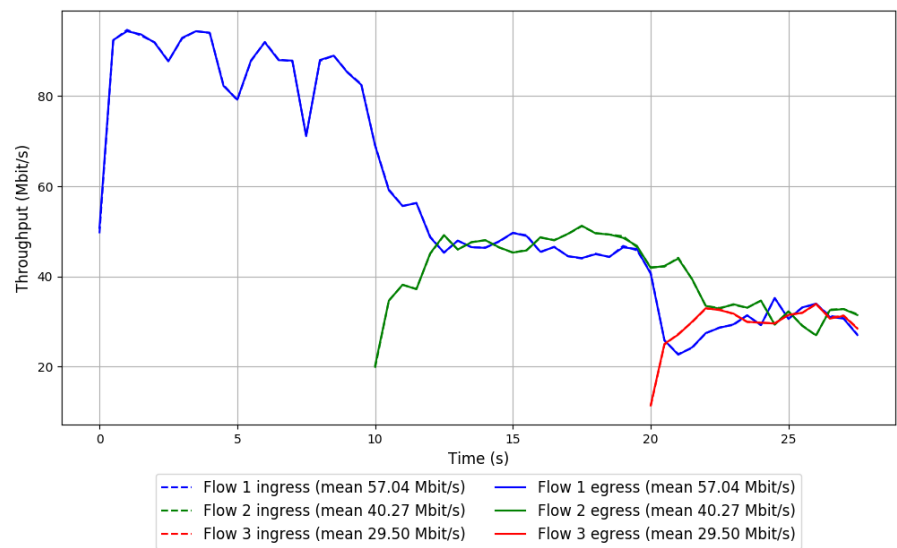


Run 7: Statistics of Copa

Start at: 2018-01-10 04:36:00
End at: 2018-01-10 04:36:30
Local clock offset: 6.57 ms
Remote clock offset: -13.184 ms

Below is generated by plot.py at 2018-01-10 06:54:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: -2.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: -2.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: -1.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: -1.137 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

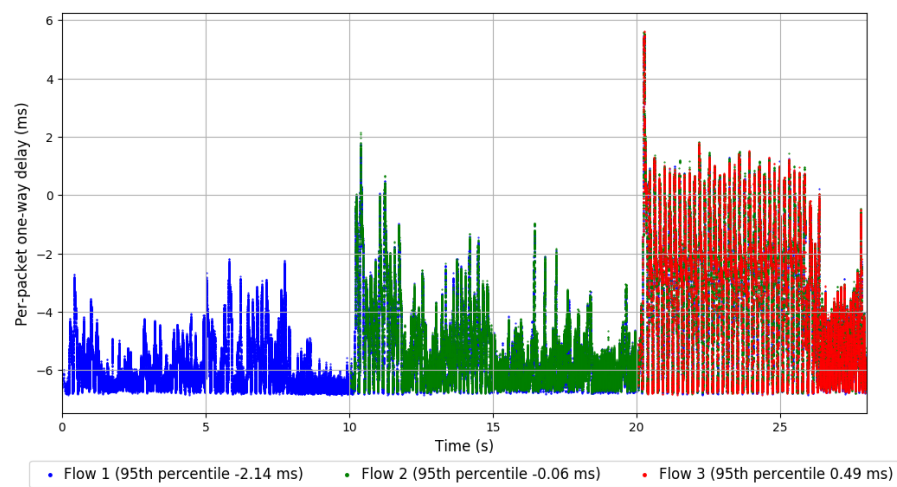
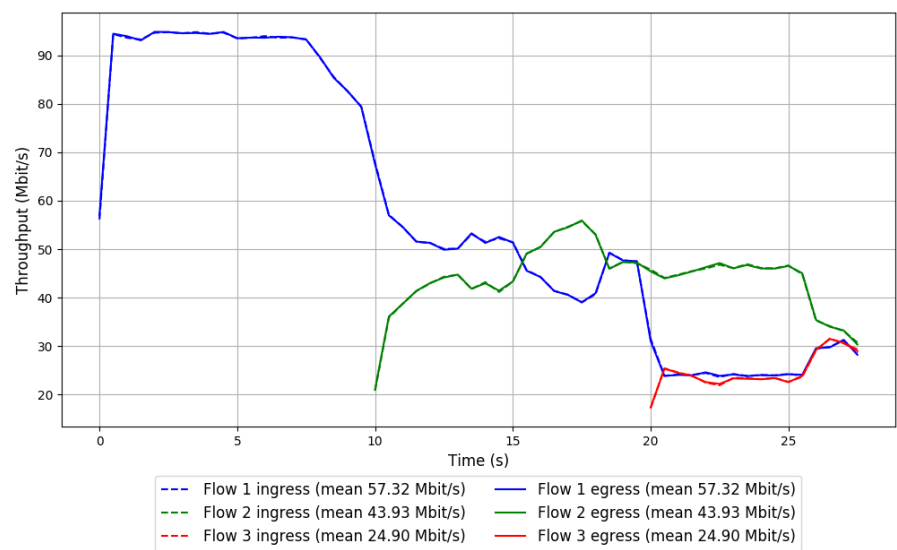


Run 8: Statistics of Copa

Start at: 2018-01-10 04:54:13
End at: 2018-01-10 04:54:43
Local clock offset: 6.051 ms
Remote clock offset: -13.31 ms

Below is generated by plot.py at 2018-01-10 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: -0.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: -2.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: -0.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 0.492 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

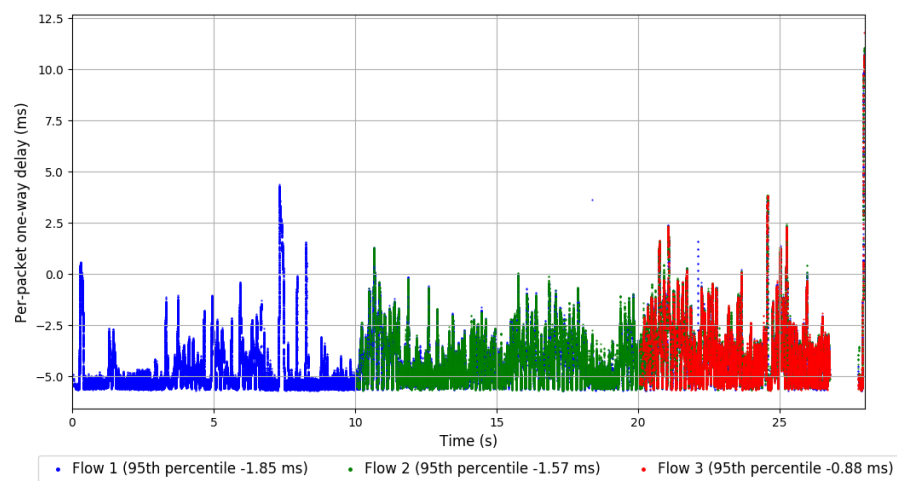
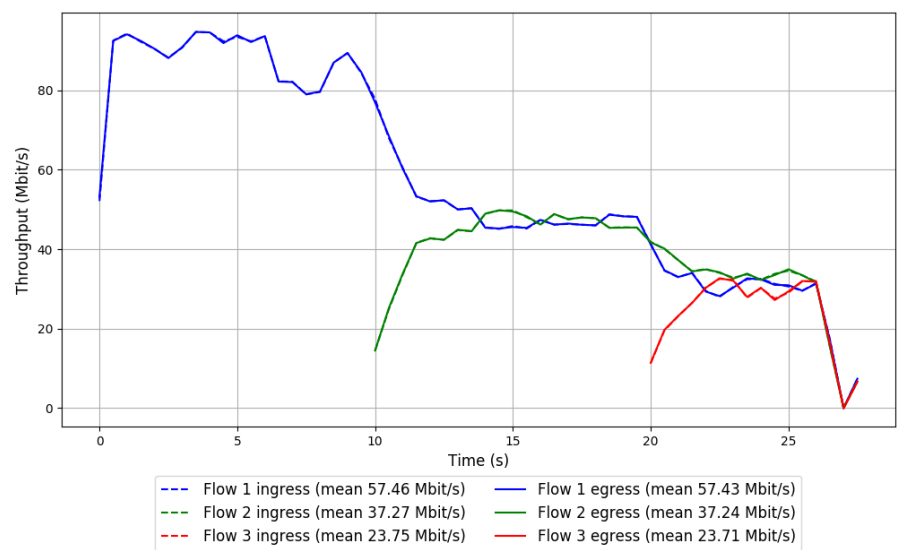


Run 9: Statistics of Copa

Start at: 2018-01-10 05:12:30
End at: 2018-01-10 05:13:00
Local clock offset: 3.363 ms
Remote clock offset: -14.288 ms

Below is generated by plot.py at 2018-01-10 06:56:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: -1.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: -1.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: -1.575 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: -0.882 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

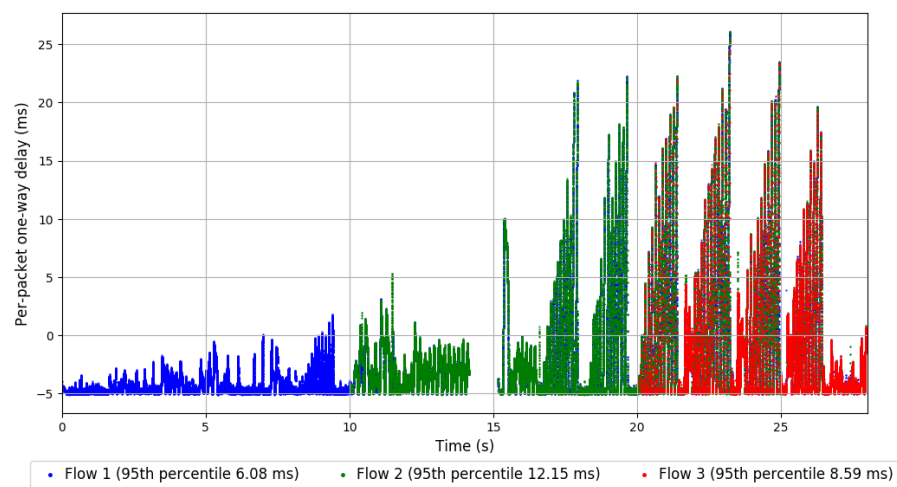
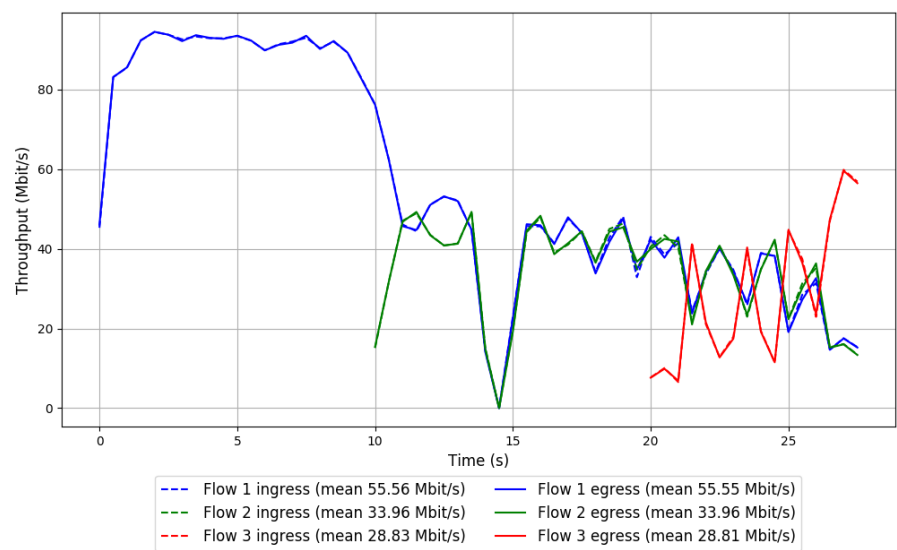


Run 10: Statistics of Copa

Start at: 2018-01-10 05:30:54
End at: 2018-01-10 05:31:24
Local clock offset: 4.016 ms
Remote clock offset: -13.565 ms

Below is generated by plot.py at 2018-01-10 06:56:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.51 Mbit/s
95th percentile per-packet one-way delay: 8.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 6.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 12.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 8.589 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

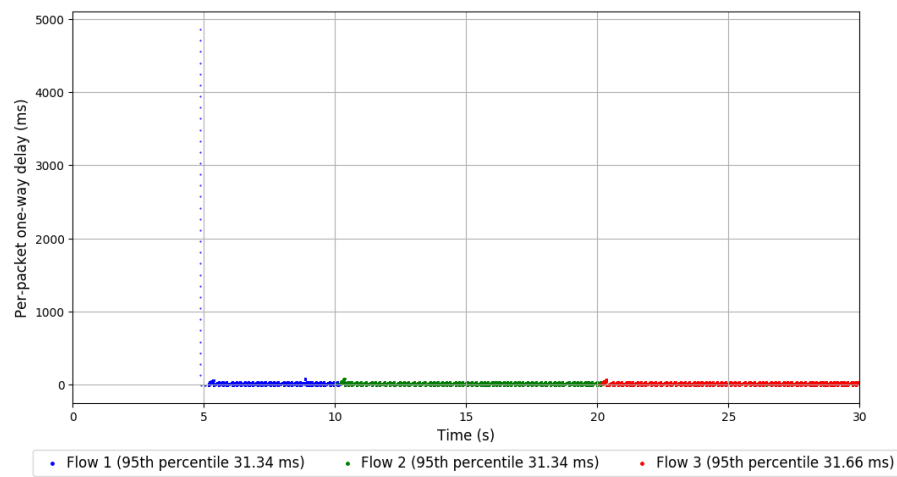
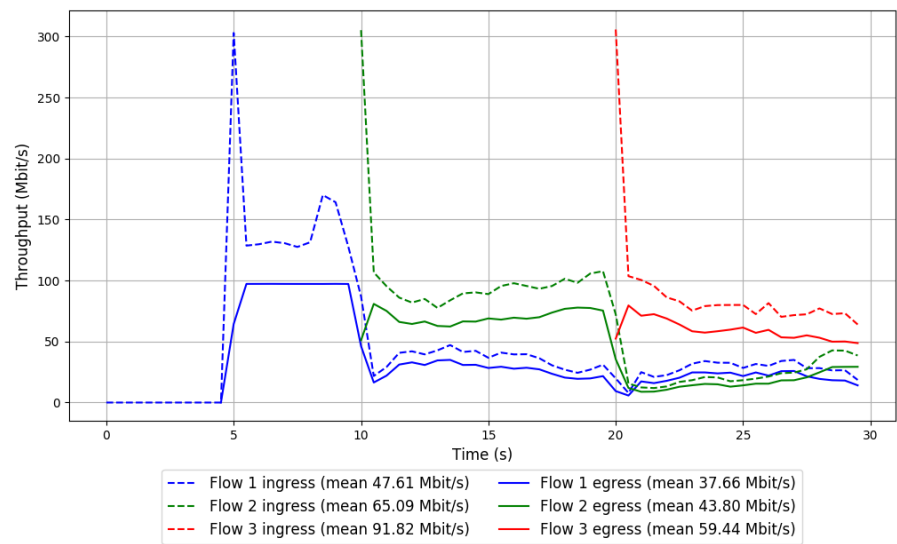


Run 1: Statistics of FillP

Start at: 2018-01-10 02:38:01
End at: 2018-01-10 02:38:31
Local clock offset: 4.575 ms
Remote clock offset: -15.193 ms

Below is generated by plot.py at 2018-01-10 06:56:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 31.424 ms
Loss rate: 33.66%
-- Flow 1:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 33.65%
-- Flow 2:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 32.65%
-- Flow 3:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 31.659 ms
Loss rate: 35.09%

Run 1: Report of FillP — Data Link

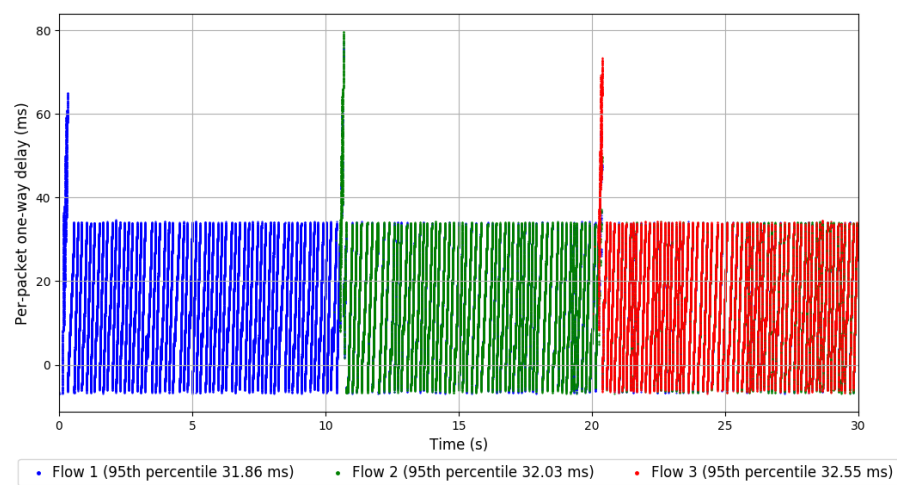
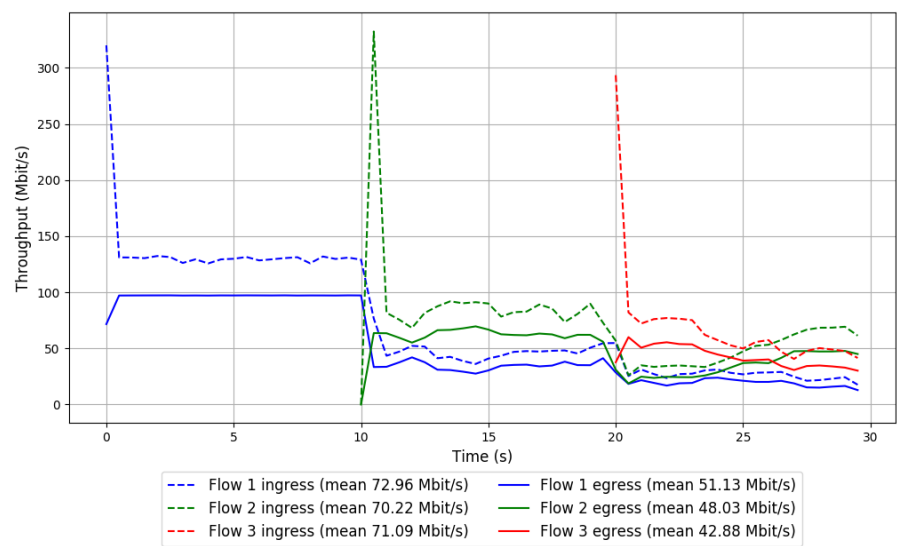


Run 2: Statistics of FillP

Start at: 2018-01-10 02:55:56
End at: 2018-01-10 02:56:26
Local clock offset: 3.233 ms
Remote clock offset: -16.212 ms

Below is generated by plot.py at 2018-01-10 06:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 32.007 ms
Loss rate: 32.44%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 31.858 ms
Loss rate: 29.91%
-- Flow 2:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 32.026 ms
Loss rate: 32.70%
-- Flow 3:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 32.547 ms
Loss rate: 39.78%

Run 2: Report of FillP — Data Link

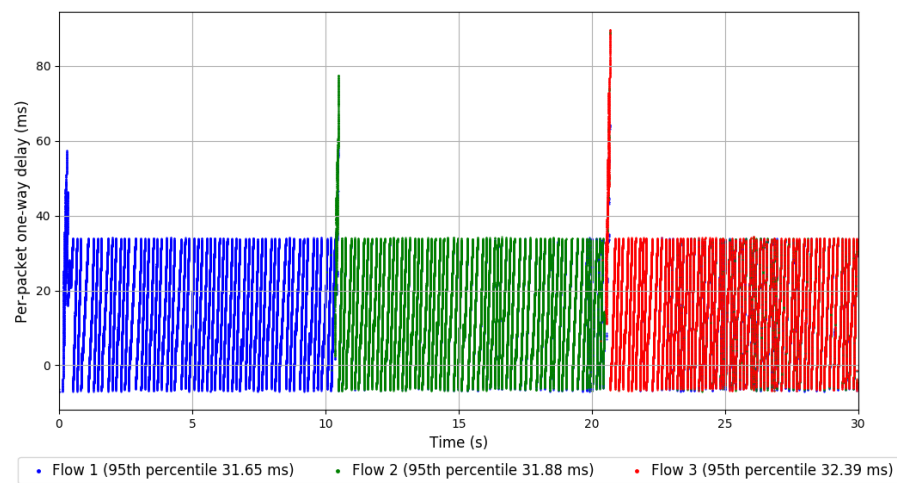
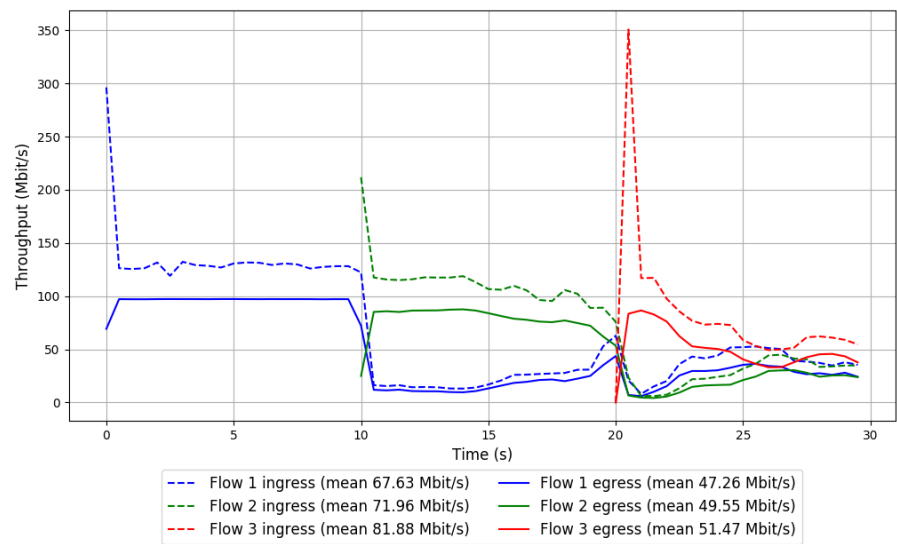


Run 3: Statistics of FillP

Start at: 2018-01-10 03:14:02
End at: 2018-01-10 03:14:32
Local clock offset: 3.605 ms
Remote clock offset: -15.674 ms

Below is generated by plot.py at 2018-01-10 06:57:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 31.845 ms
Loss rate: 32.20%
-- Flow 1:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 31.648 ms
Loss rate: 30.12%
-- Flow 2:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 31.882 ms
Loss rate: 31.23%
-- Flow 3:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 32.390 ms
Loss rate: 39.12%

Run 3: Report of FillP — Data Link

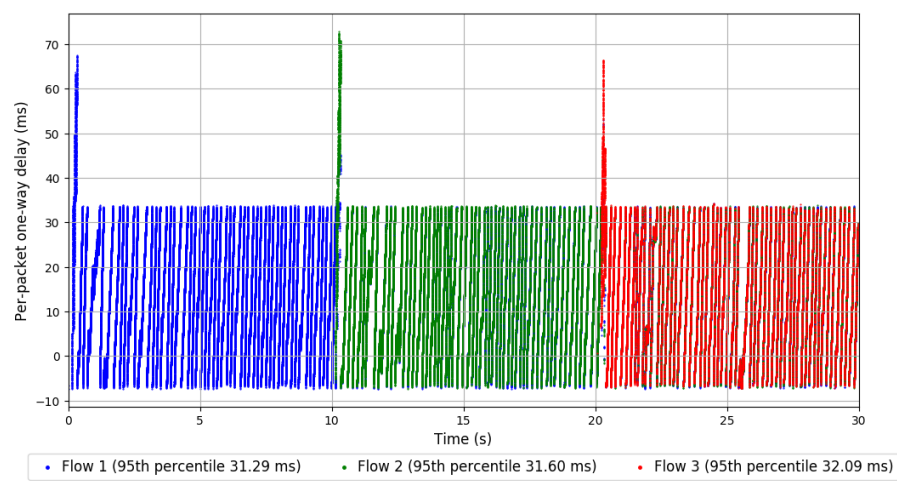
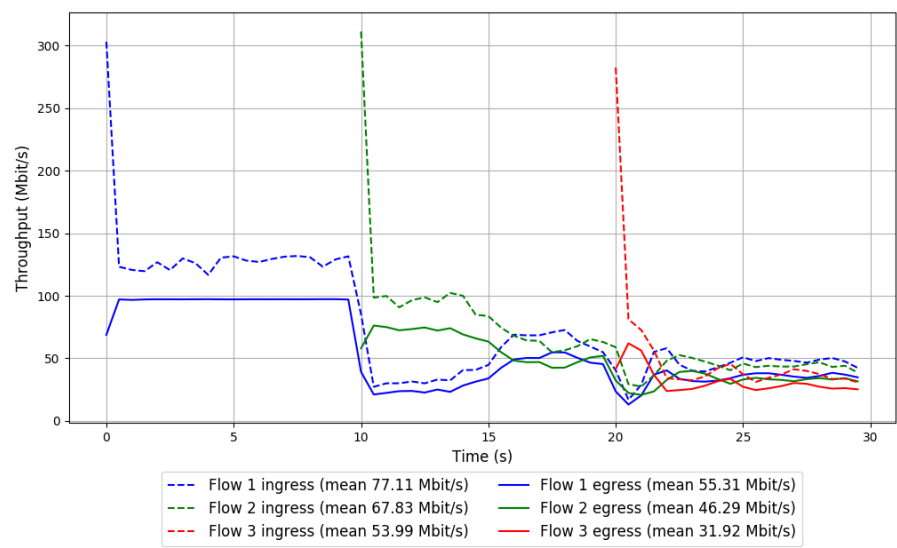


Run 4: Statistics of FillP

Start at: 2018-01-10 03:31:54
End at: 2018-01-10 03:32:24
Local clock offset: 3.144 ms
Remote clock offset: -17.071 ms

Below is generated by plot.py at 2018-01-10 06:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 31.470 ms
Loss rate: 30.93%
-- Flow 1:
Average throughput: 55.31 Mbit/s
95th percentile per-packet one-way delay: 31.286 ms
Loss rate: 28.19%
-- Flow 2:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 31.600 ms
Loss rate: 31.65%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 32.095 ms
Loss rate: 40.89%

Run 4: Report of FillP — Data Link

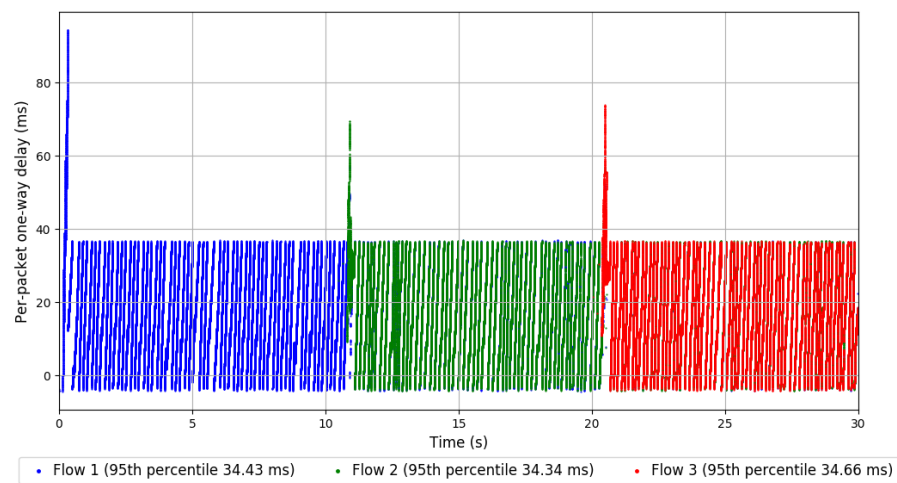
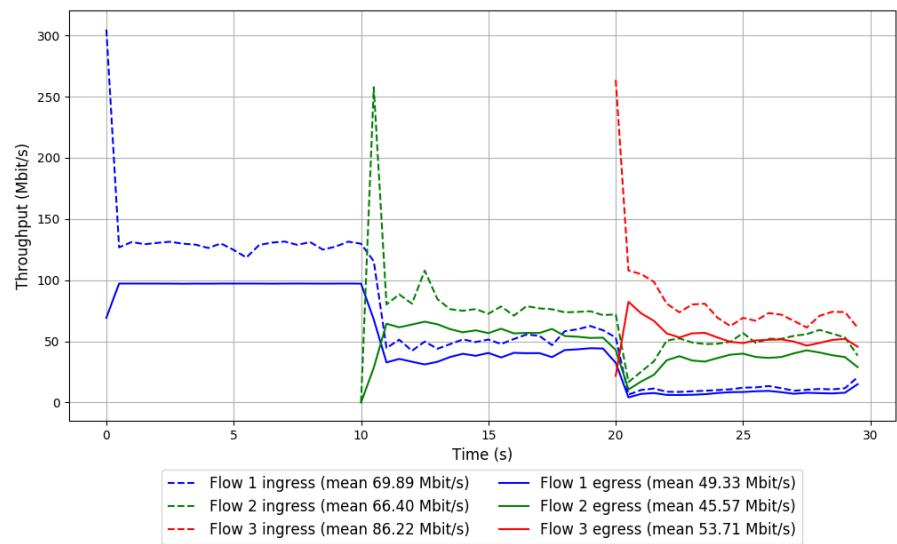


Run 5: Statistics of FillP

Start at: 2018-01-10 03:49:57
End at: 2018-01-10 03:50:27
Local clock offset: 2.694 ms
Remote clock offset: -13.681 ms

Below is generated by plot.py at 2018-01-10 06:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 34.448 ms
Loss rate: 32.15%
-- Flow 1:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 34.431 ms
Loss rate: 29.35%
-- Flow 2:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 34.336 ms
Loss rate: 32.97%
-- Flow 3:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 34.662 ms
Loss rate: 37.72%

Run 5: Report of FillP — Data Link

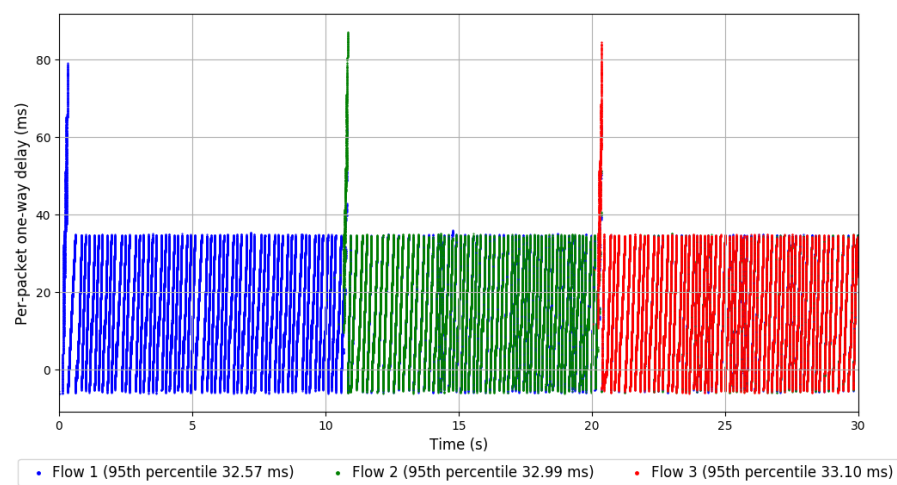
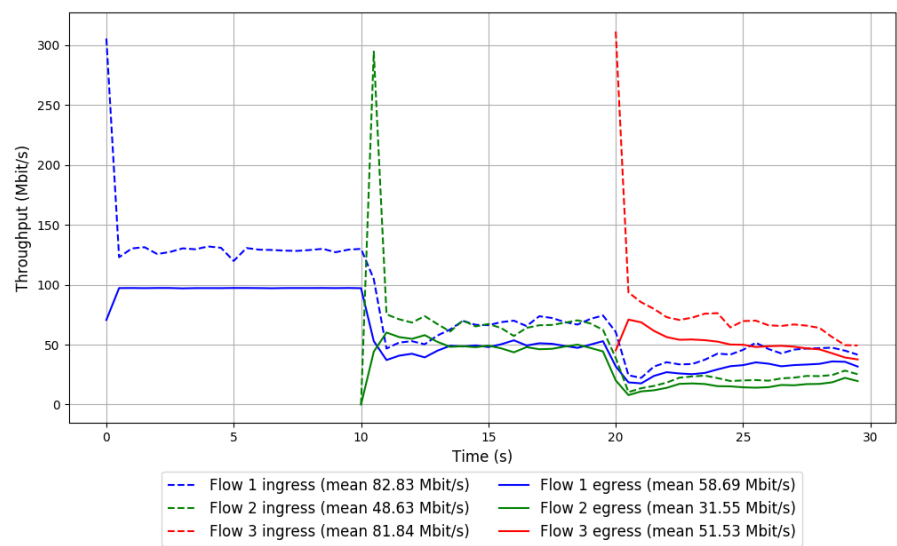


Run 6: Statistics of FillP

Start at: 2018-01-10 04:08:14
End at: 2018-01-10 04:08:44
Local clock offset: 3.592 ms
Remote clock offset: -13.983 ms

Below is generated by plot.py at 2018-01-10 06:57:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 32.754 ms
Loss rate: 31.99%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 32.571 ms
Loss rate: 29.10%
-- Flow 2:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 32.989 ms
Loss rate: 35.14%
-- Flow 3:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 33.096 ms
Loss rate: 37.04%

Run 6: Report of FillP — Data Link

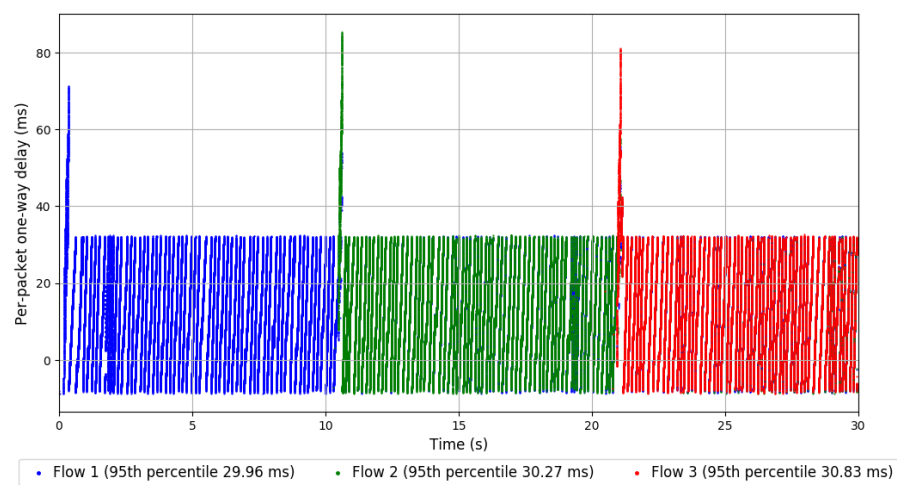
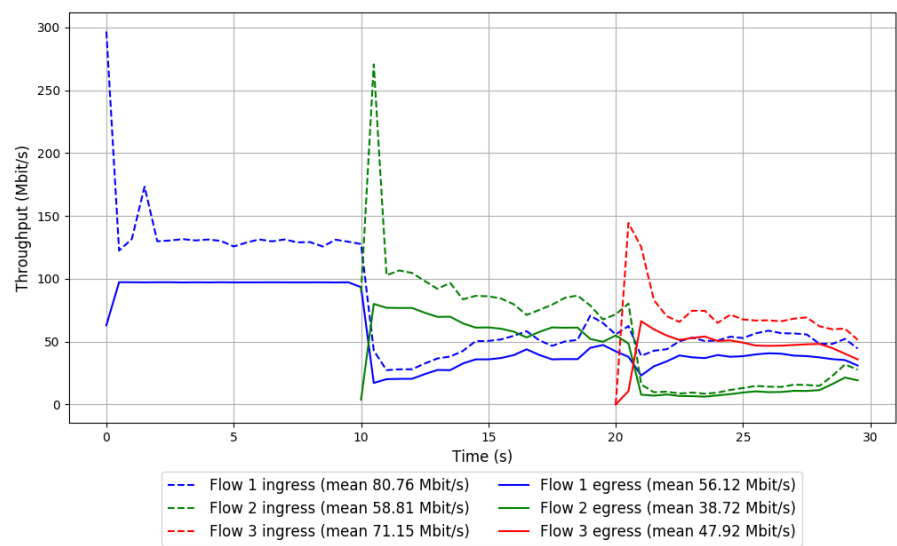


Run 7: Statistics of FillP

Start at: 2018-01-10 04:26:28
End at: 2018-01-10 04:26:58
Local clock offset: 5.223 ms
Remote clock offset: -15.498 ms

Below is generated by plot.py at 2018-01-10 06:58:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 30.178 ms
Loss rate: 32.66%
-- Flow 1:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 29.961 ms
Loss rate: 30.51%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 30.272 ms
Loss rate: 35.15%
-- Flow 3:
Average throughput: 47.92 Mbit/s
95th percentile per-packet one-way delay: 30.832 ms
Loss rate: 35.90%

Run 7: Report of FillP — Data Link

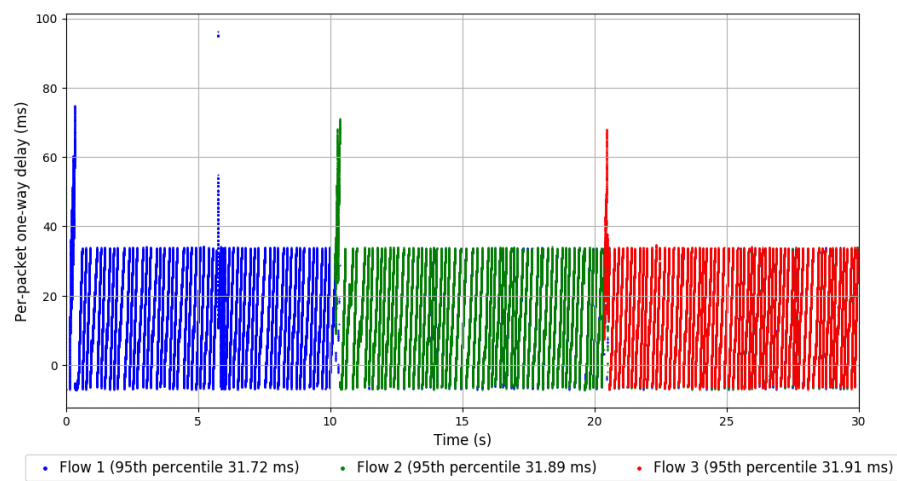
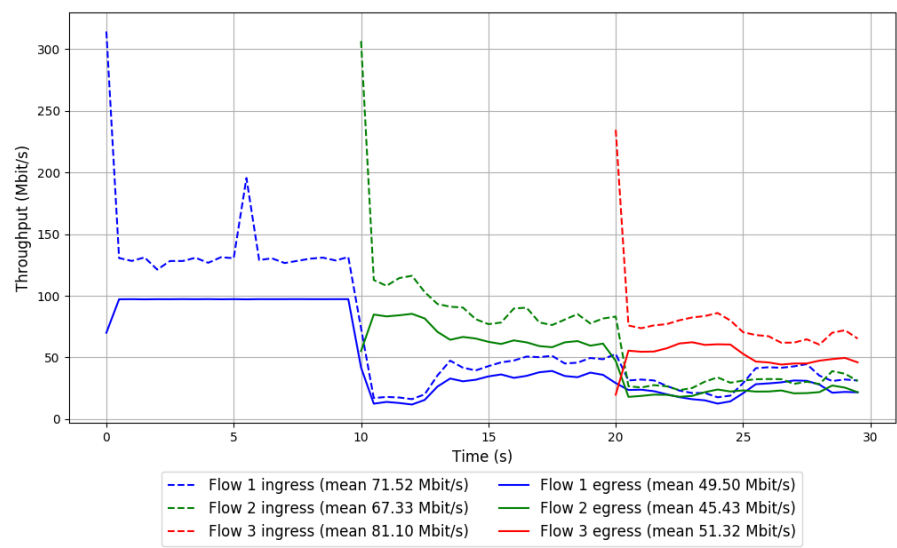


Run 8: Statistics of FillP

Start at: 2018-01-10 04:44:51
End at: 2018-01-10 04:45:21
Local clock offset: 4.093 ms
Remote clock offset: -15.703 ms

Below is generated by plot.py at 2018-01-10 06:59:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 31.805 ms
Loss rate: 32.43%
-- Flow 1:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 31.718 ms
Loss rate: 30.75%
-- Flow 2:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 31.885 ms
Loss rate: 32.50%
-- Flow 3:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 31.909 ms
Loss rate: 36.79%

Run 8: Report of FillP — Data Link

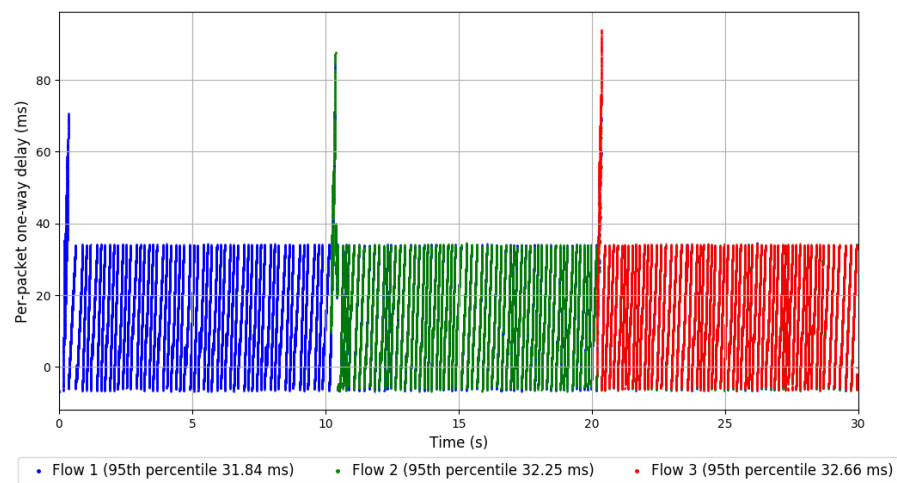
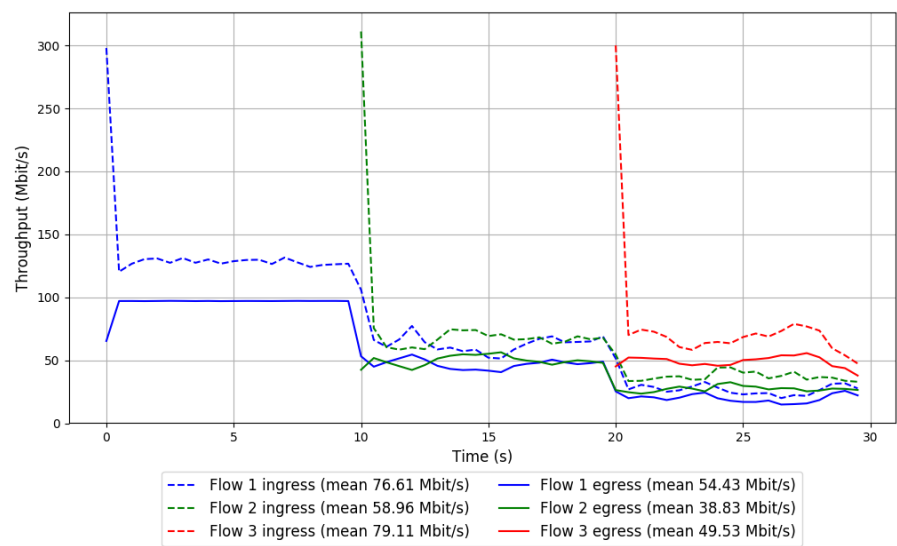


Run 9: Statistics of FillP

Start at: 2018-01-10 05:02:56
End at: 2018-01-10 05:03:26
Local clock offset: 4.373 ms
Remote clock offset: -14.746 ms

Below is generated by plot.py at 2018-01-10 06:59:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 32.081 ms
Loss rate: 31.96%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 31.836 ms
Loss rate: 28.94%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 32.247 ms
Loss rate: 34.20%
-- Flow 3:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 32.658 ms
Loss rate: 37.45%

Run 9: Report of FillP — Data Link

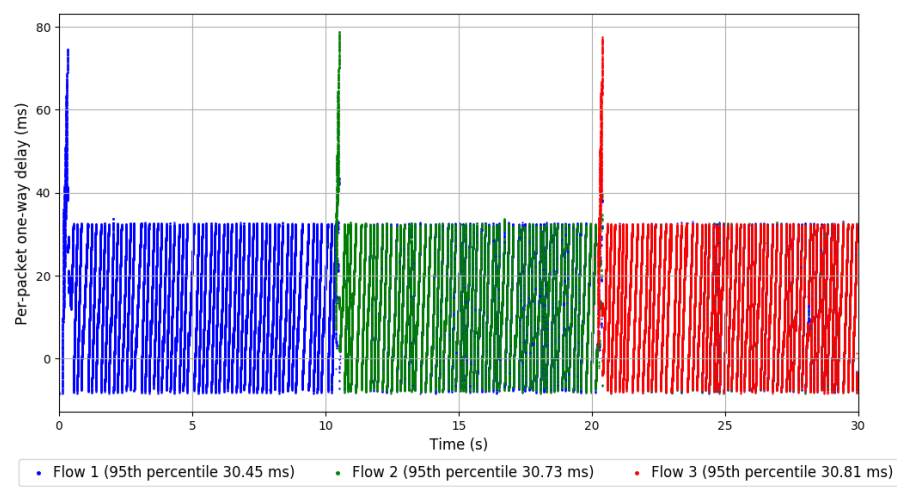
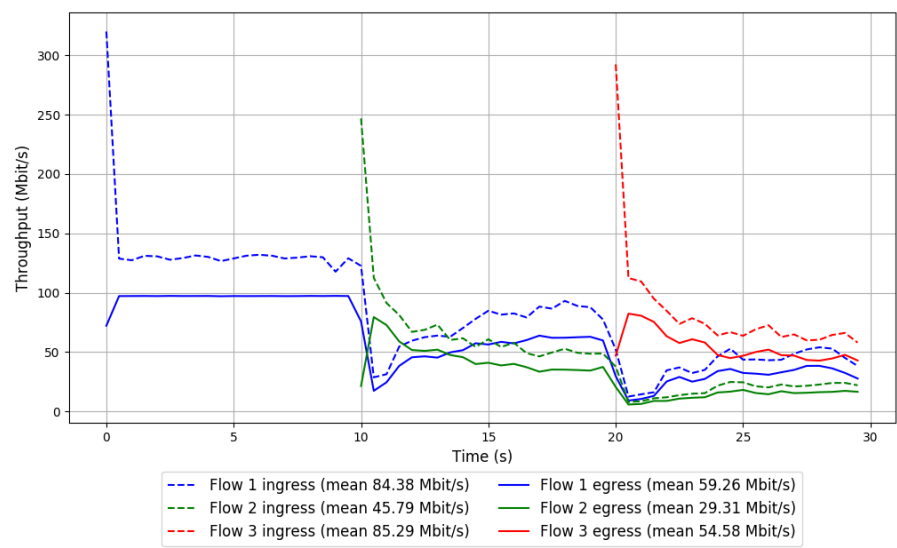


Run 10: Statistics of FillP

Start at: 2018-01-10 05:21:14
End at: 2018-01-10 05:21:44
Local clock offset: 5.67 ms
Remote clock offset: -14.595 ms

Below is generated by plot.py at 2018-01-10 07:00:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 30.579 ms
Loss rate: 32.35%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 30.455 ms
Loss rate: 29.76%
-- Flow 2:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 30.735 ms
Loss rate: 36.08%
-- Flow 3:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 30.812 ms
Loss rate: 36.08%

Run 10: Report of FillP — Data Link

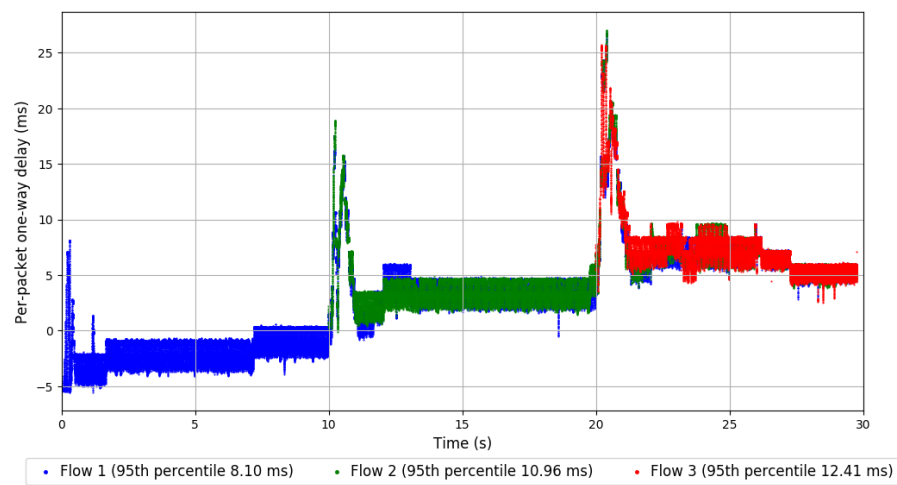
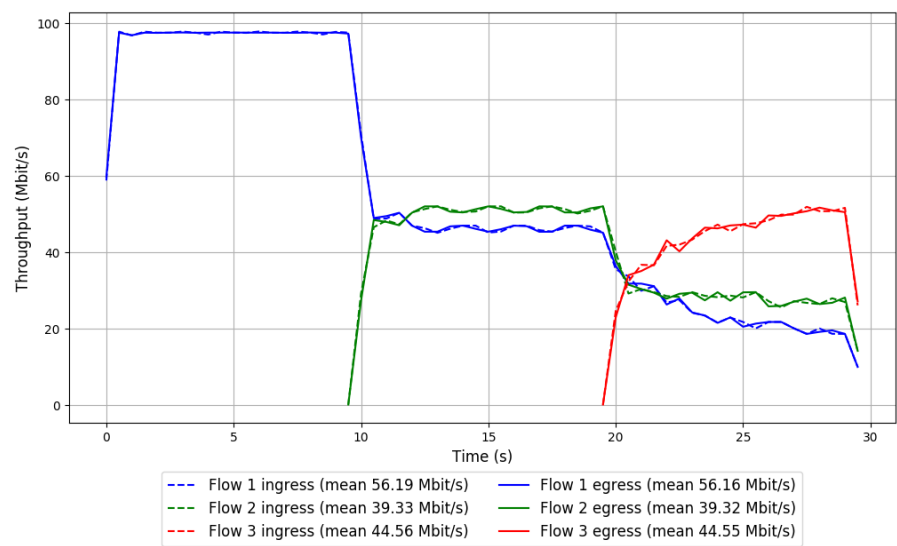


```
Run 1: Statistics of Indigo

Start at: 2018-01-10 02:40:27
End at: 2018-01-10 02:40:57
Local clock offset: 3.084 ms
Remote clock offset: -14.877 ms

# Below is generated by plot.py at 2018-01-10 07:00:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 9.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 8.101 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 10.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 12.411 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

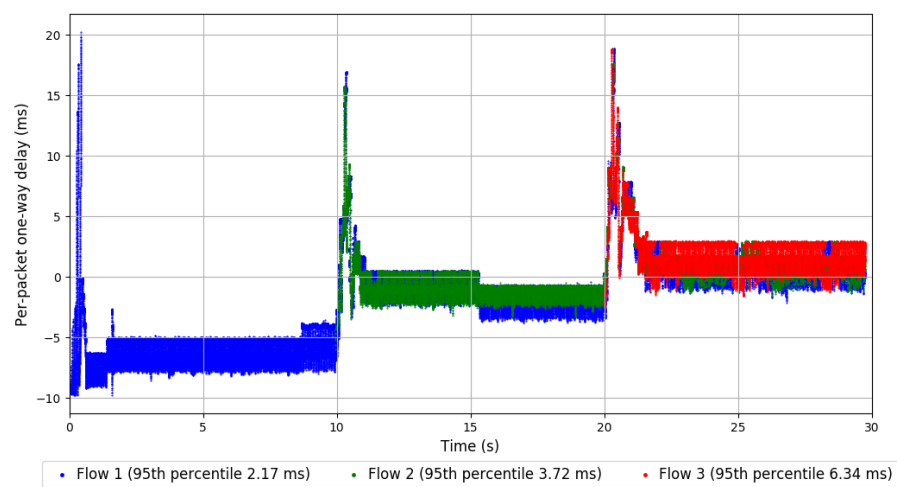
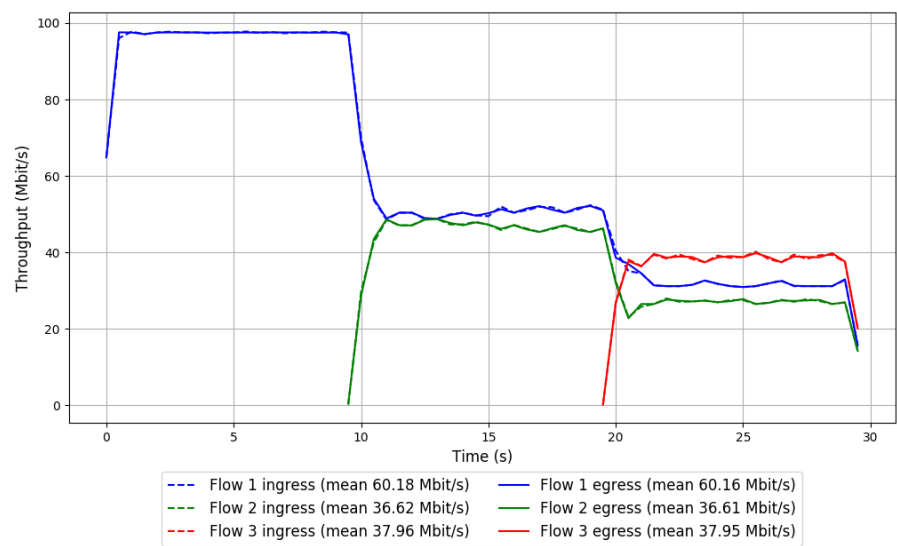


Run 2: Statistics of Indigo

Start at: 2018-01-10 02:58:14
End at: 2018-01-10 02:58:44
Local clock offset: 5.075 ms
Remote clock offset: -17.172 ms

Below is generated by plot.py at 2018-01-10 07:00:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 3.052 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.16 Mbit/s
95th percentile per-packet one-way delay: 2.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 3.717 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 6.343 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

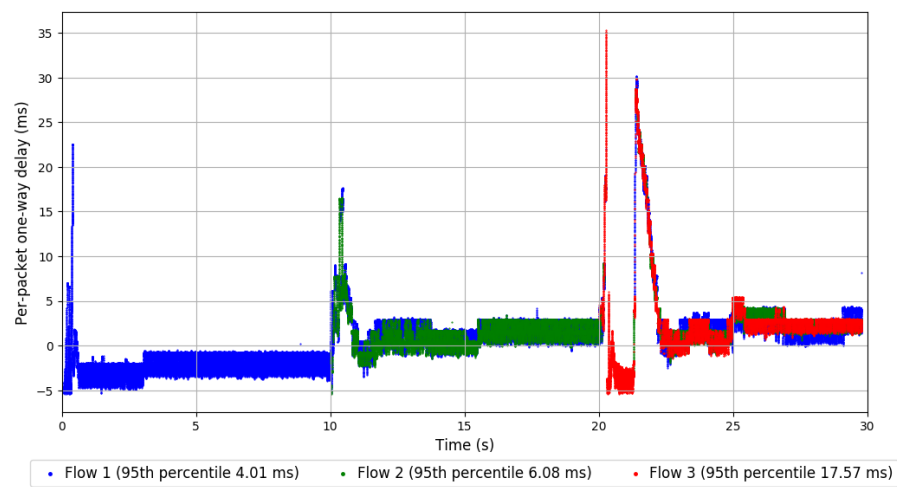
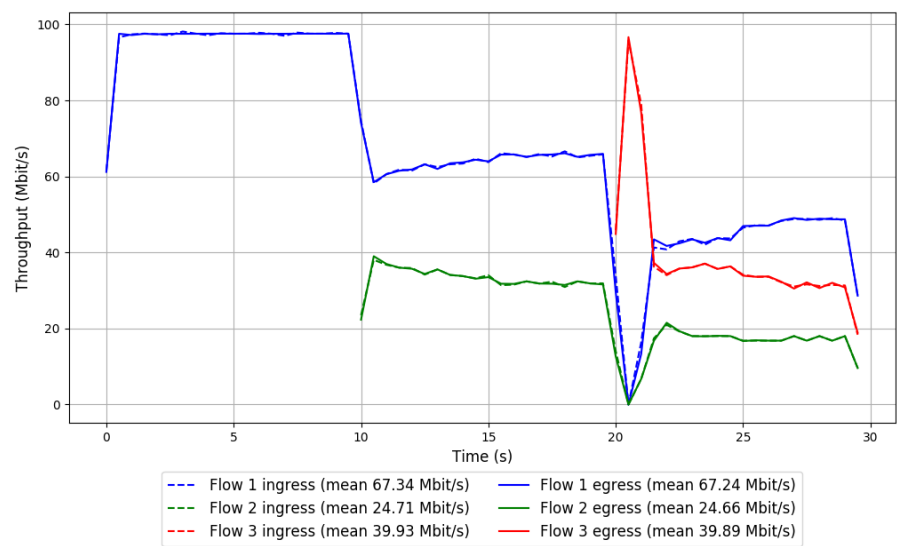


Run 3: Statistics of Indigo

Start at: 2018-01-10 03:16:23
End at: 2018-01-10 03:16:53
Local clock offset: 2.459 ms
Remote clock offset: -15.31 ms

Below is generated by plot.py at 2018-01-10 07:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 5.165 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 67.24 Mbit/s
95th percentile per-packet one-way delay: 4.008 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 6.083 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 17.570 ms
Loss rate: 0.12%

Run 3: Report of Indigo — Data Link

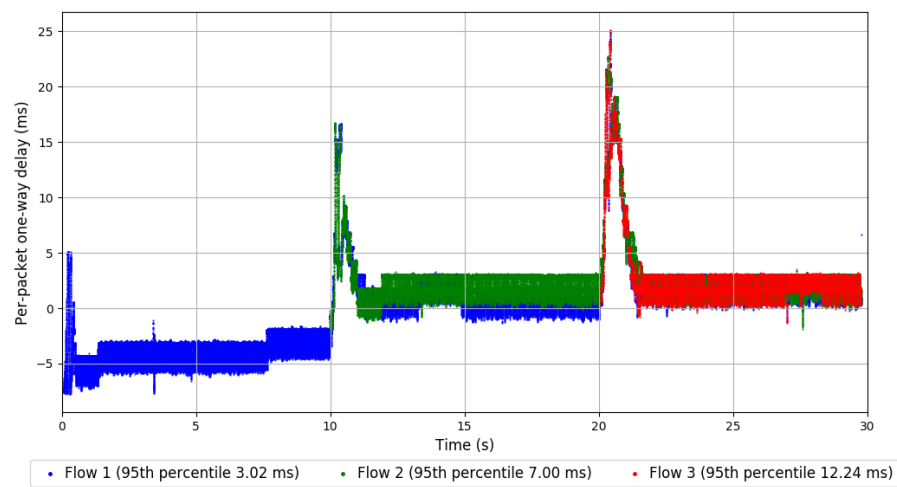
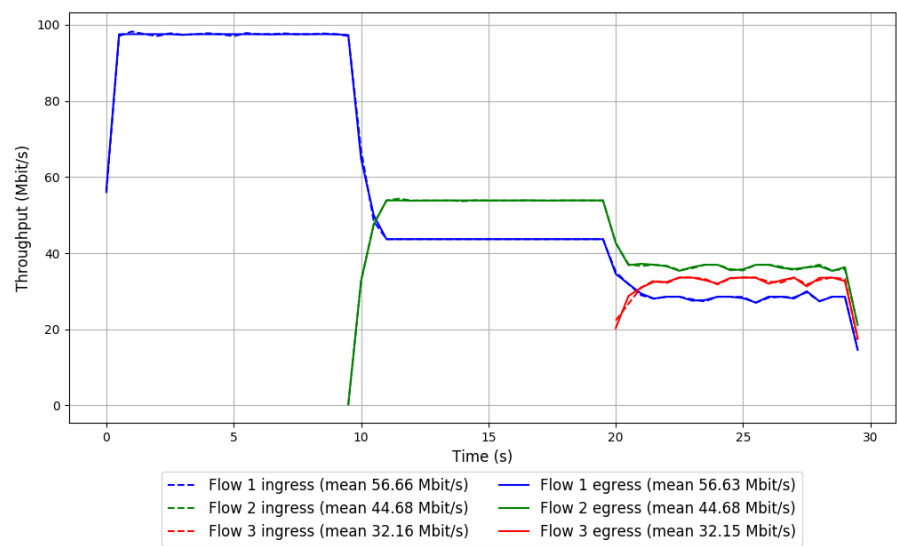


Run 4: Statistics of Indigo

Start at: 2018-01-10 03:34:14
End at: 2018-01-10 03:34:44
Local clock offset: 5.0 ms
Remote clock offset: -15.502 ms

Below is generated by plot.py at 2018-01-10 07:00:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 5.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 3.024 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 7.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 12.243 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

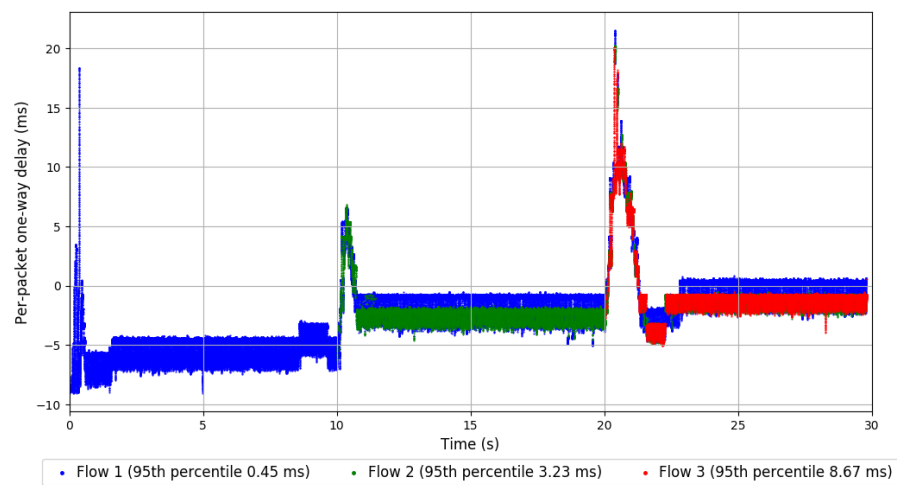
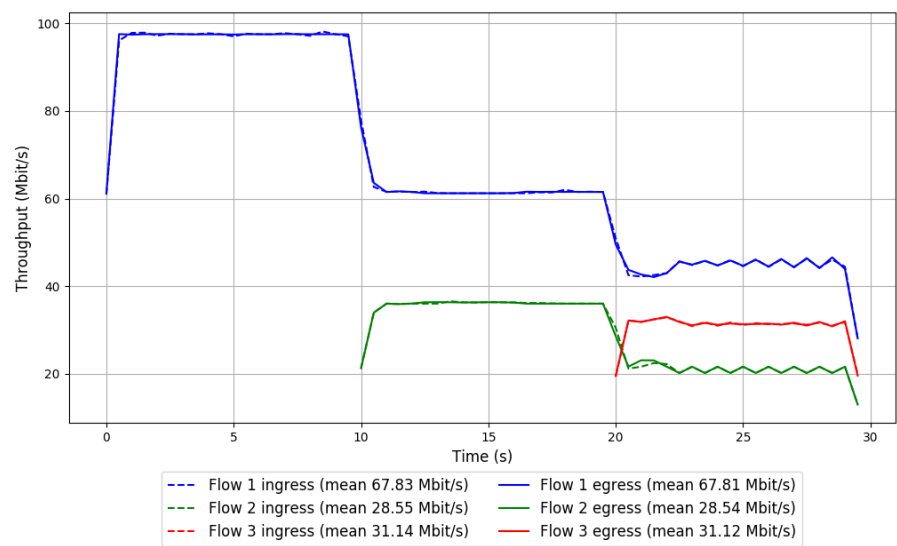


Run 5: Statistics of Indigo

Start at: 2018-01-10 03:52:20
End at: 2018-01-10 03:52:50
Local clock offset: 5.626 ms
Remote clock offset: -15.367 ms

Below is generated by plot.py at 2018-01-10 07:00:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 1.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 0.448 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 8.667 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

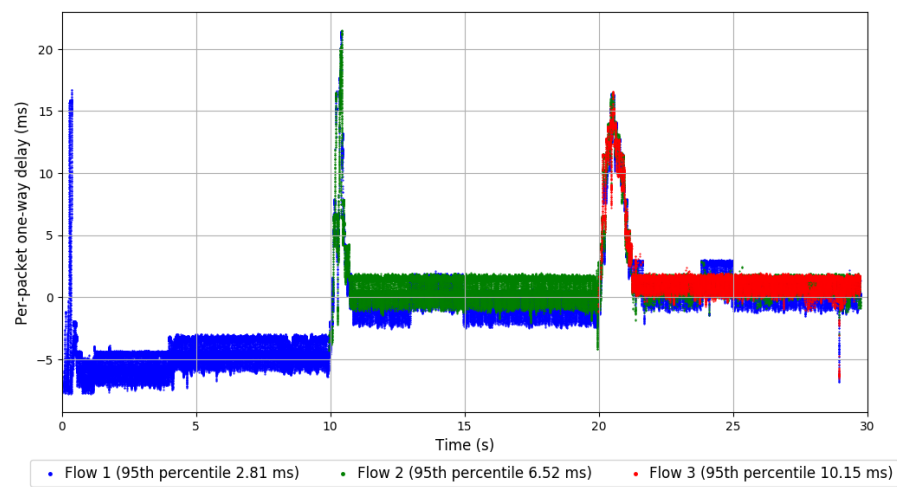
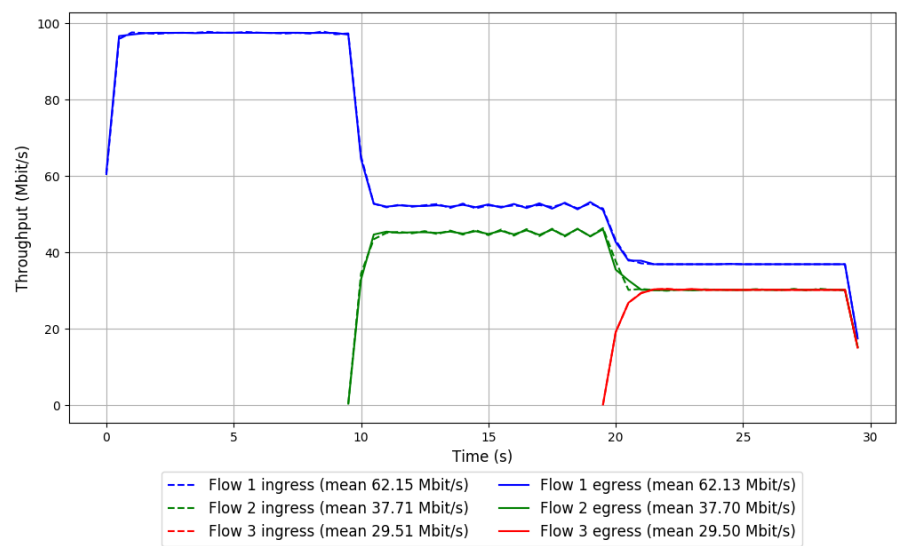


Run 6: Statistics of Indigo

Start at: 2018-01-10 04:10:39
End at: 2018-01-10 04:11:09
Local clock offset: 4.504 ms
Remote clock offset: -14.645 ms

Below is generated by plot.py at 2018-01-10 07:01:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 4.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 2.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 6.521 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 10.149 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

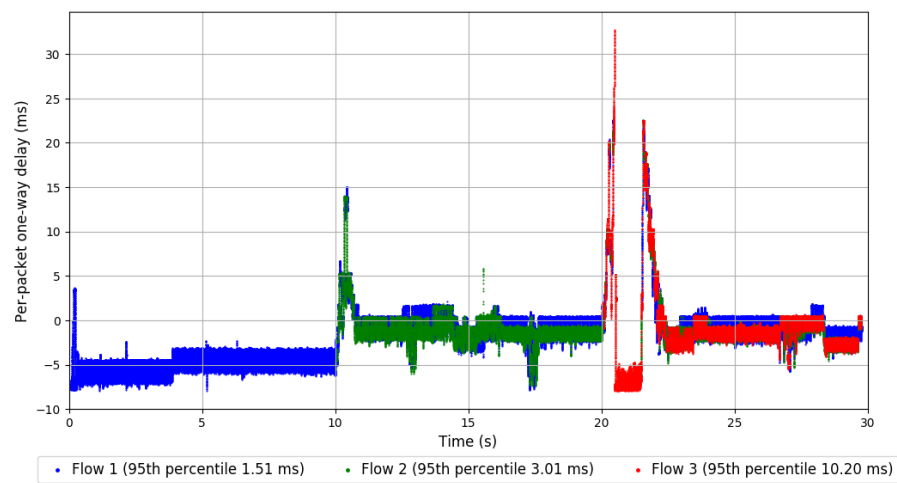
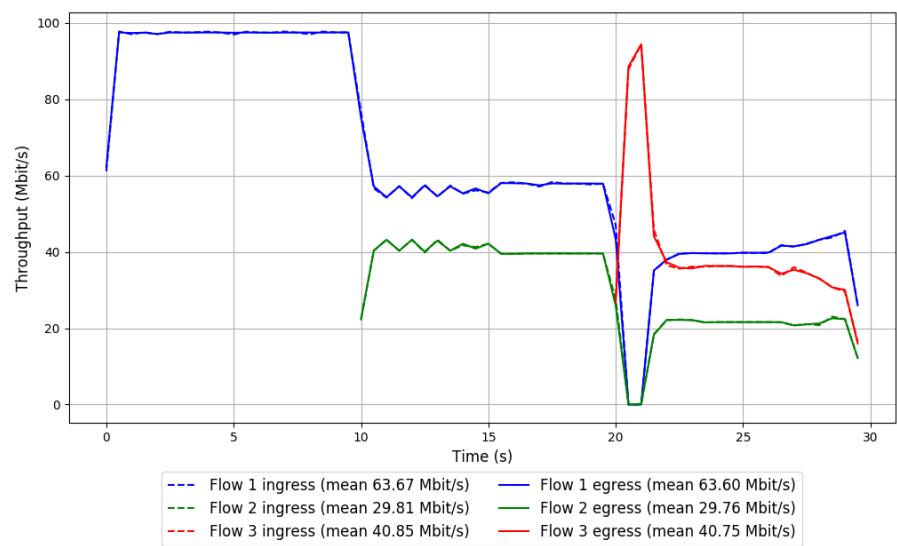


Run 7: Statistics of Indigo

Start at: 2018-01-10 04:28:47
End at: 2018-01-10 04:29:17
Local clock offset: 5.421 ms
Remote clock offset: -14.628 ms

Below is generated by plot.py at 2018-01-10 07:01:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 1.657 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 1.507 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 3.011 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 10.196 ms
Loss rate: 0.25%

Run 7: Report of Indigo — Data Link

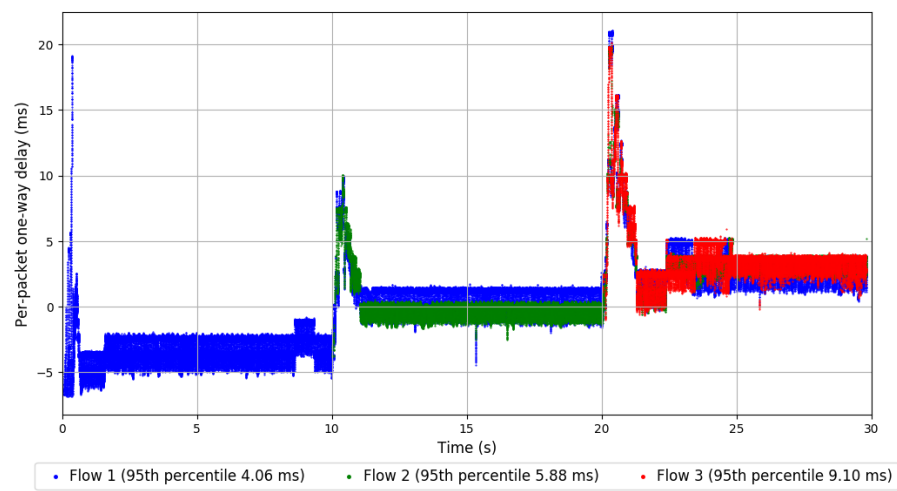
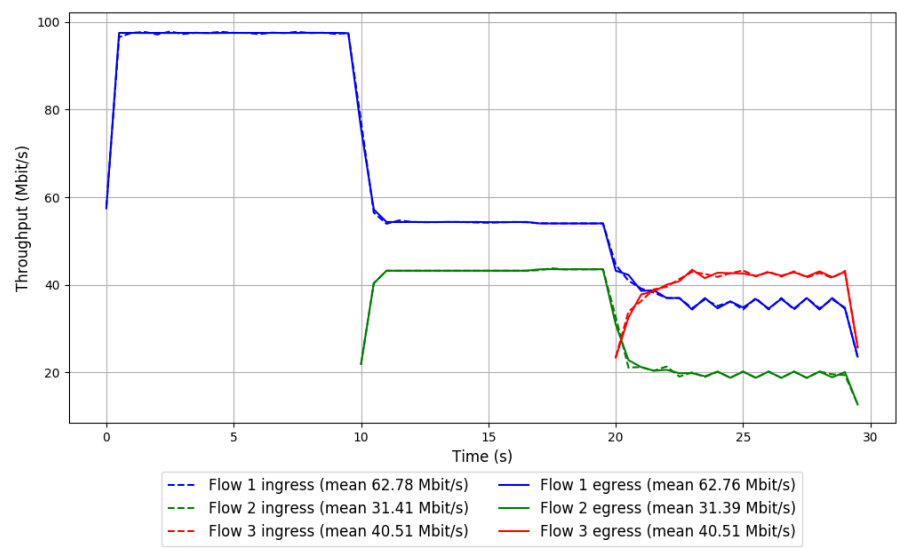


Run 8: Statistics of Indigo

Start at: 2018-01-10 04:47:18
End at: 2018-01-10 04:47:48
Local clock offset: 3.825 ms
Remote clock offset: -15.719 ms

Below is generated by plot.py at 2018-01-10 07:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 5.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.76 Mbit/s
95th percentile per-packet one-way delay: 4.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 5.876 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 9.103 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

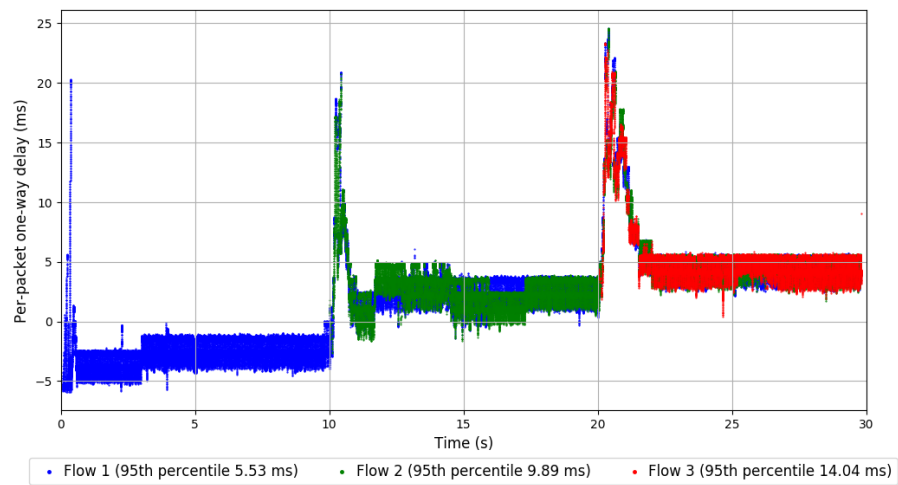
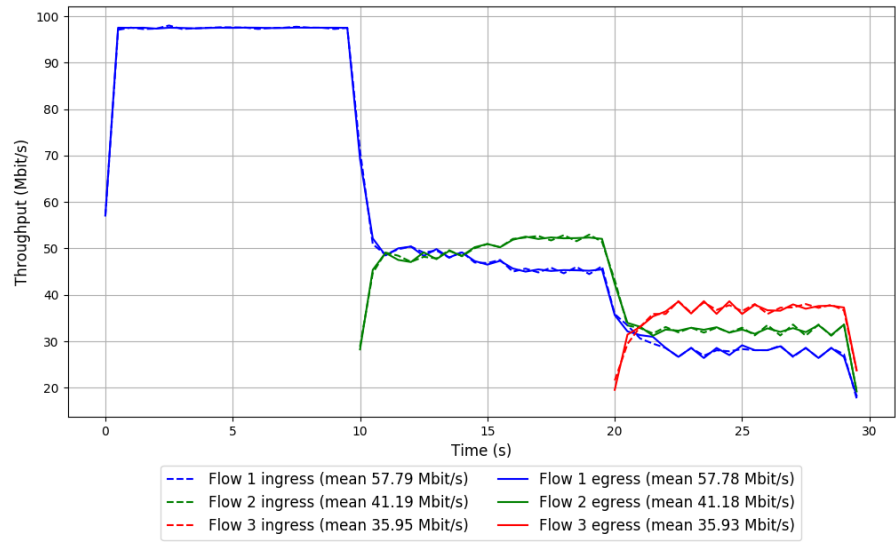


Run 9: Statistics of Indigo

Start at: 2018-01-10 05:05:19
End at: 2018-01-10 05:05:49
Local clock offset: 4.305 ms
Remote clock offset: -13.747 ms

Below is generated by plot.py at 2018-01-10 07:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 7.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 5.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 9.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 14.040 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-10 05:23:39
End at: 2018-01-10 05:24:09
Local clock offset: 2.867 ms
Remote clock offset: -13.005 ms

Below is generated by plot.py at 2018-01-10 07:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 8.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 6.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 9.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 13.177 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

