

Pantheon Report

Generated at 2018-01-26 18:54:21 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

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

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

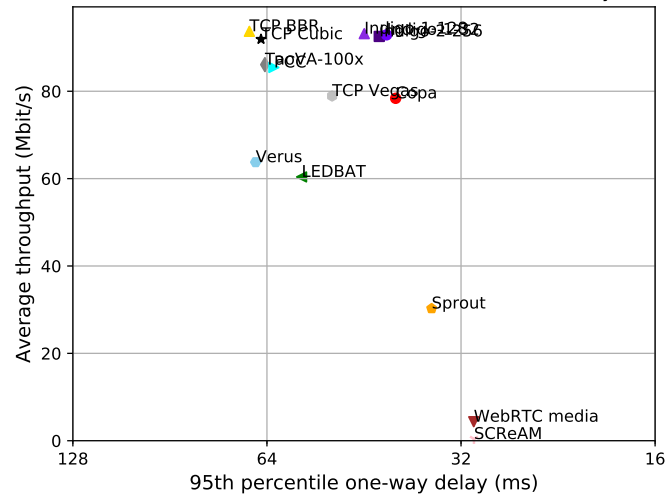
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

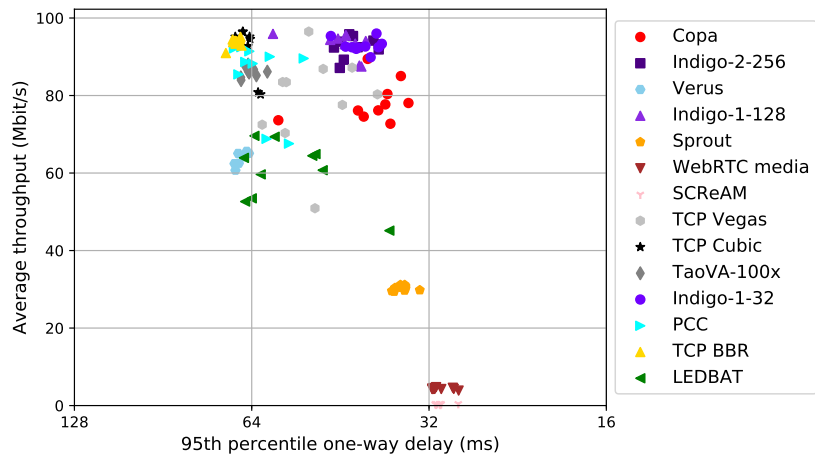
Git summary:

```
branch: master @ f23294ec38436c9f802847d477a41b7343ec76e6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	73.14	22.02	19.09	67.94	68.21	68.27	24.33	29.30	31.51
TCP Cubic	10	59.28	31.21	35.78	65.33	64.22	61.10	0.68	0.62	0.60
LEDBAT	10	36.44	26.21	19.66	55.04	57.09	56.72	0.14	0.24	0.16
PCC	10	70.91	18.02	7.75	61.53	64.01	65.87	3.91	5.41	6.93
QUIC Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCReAM	8	81.79	0.22	0.22	318.34	30.41	30.30	0.00	0.00	0.00
WebRTC media	10	2.34	1.44	0.59	30.39	30.40	30.70	0.02	0.00	0.02
Sprout	10	15.37	15.11	14.71	34.93	35.85	36.18	0.03	0.08	0.06
TaoVA-100x	10	53.53	37.77	30.48	62.24	65.02	65.68	13.71	25.10	18.41
TCP Vegas	10	46.83	31.28	33.94	49.57	44.17	44.05	0.59	0.30	0.47
Verus	10	42.68	21.11	23.49	66.79	65.69	66.73	39.60	35.26	38.31
Copa	10	50.70	33.82	21.06	41.13	38.23	39.44	0.27	0.11	0.13
Indigo-2-256	10	62.44	31.30	28.45	40.74	45.09	46.93	0.25	0.29	0.43
Indigo-1-32	10	59.61	33.90	33.22	40.06	43.14	45.42	0.17	0.20	0.12
Indigo-1-128	10	70.81	22.43	22.85	43.69	48.37	52.15	0.56	0.85	1.53

Run 1: Statistics of TCP BBR

Start at: 2018-01-26 14:22:44

End at: 2018-01-26 14:23:14

Local clock offset: 1.727 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-01-26 18:34:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 66.617 ms

Loss rate: 23.69%

-- Flow 1:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 66.625 ms

Loss rate: 23.32%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 67.029 ms

Loss rate: 38.81%

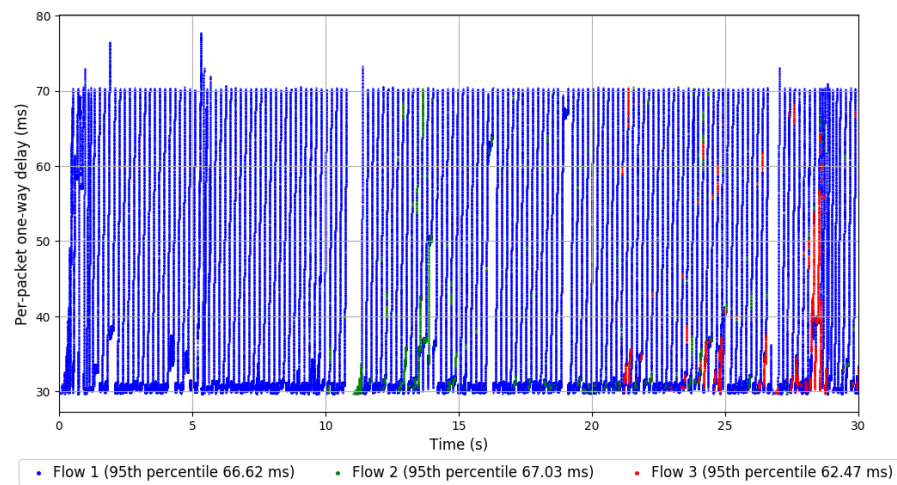
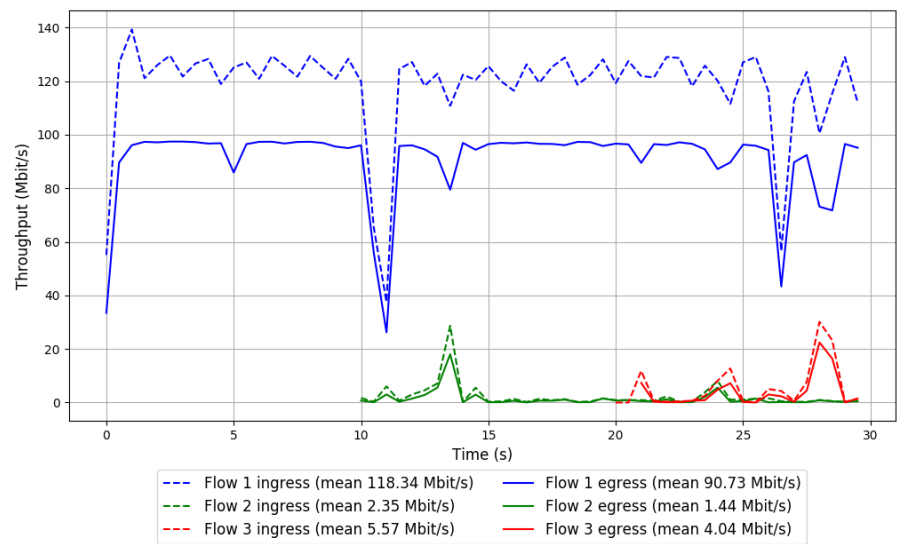
-- Flow 3:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 62.474 ms

Loss rate: 34.80%

Run 1: Report of TCP BBR — Data Link

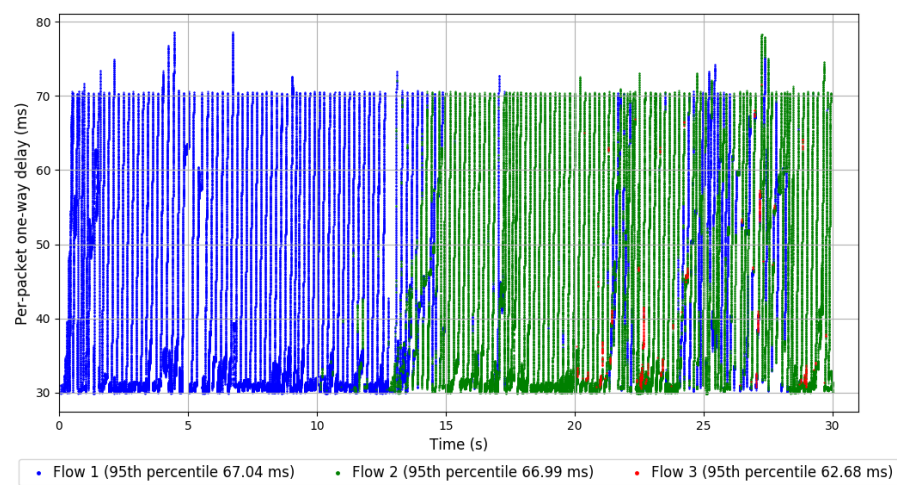
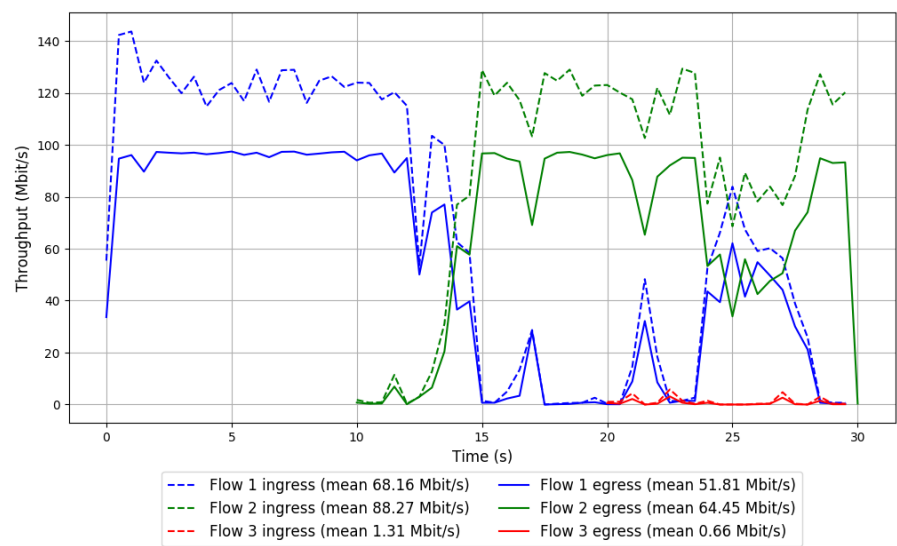


Run 2: Statistics of TCP BBR

Start at: 2018-01-26 14:45:07
End at: 2018-01-26 14:45:37
Local clock offset: 1.607 ms
Remote clock offset: -1.559 ms

Below is generated by plot.py at 2018-01-26 18:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 67.002 ms
Loss rate: 25.59%
-- Flow 1:
Average throughput: 51.81 Mbit/s
95th percentile per-packet one-way delay: 67.043 ms
Loss rate: 24.12%
-- Flow 2:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 66.988 ms
Loss rate: 27.12%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 62.676 ms
Loss rate: 49.76%

Run 2: Report of TCP BBR — Data Link

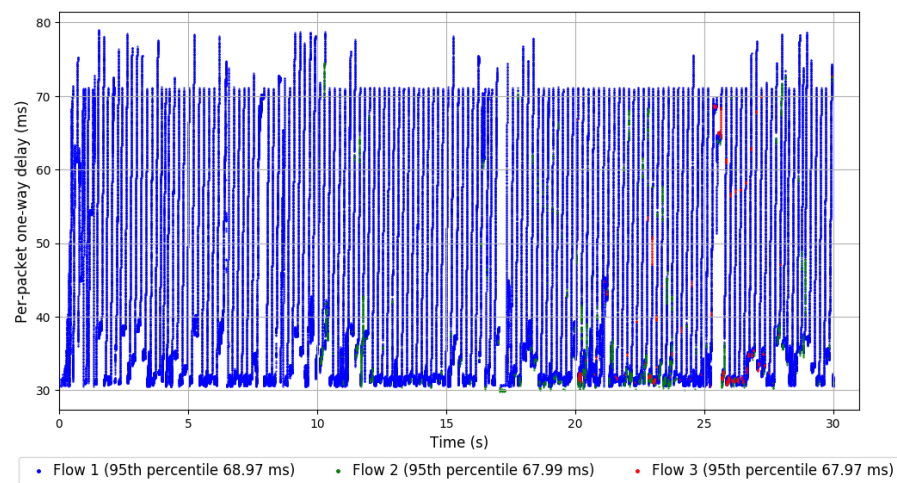
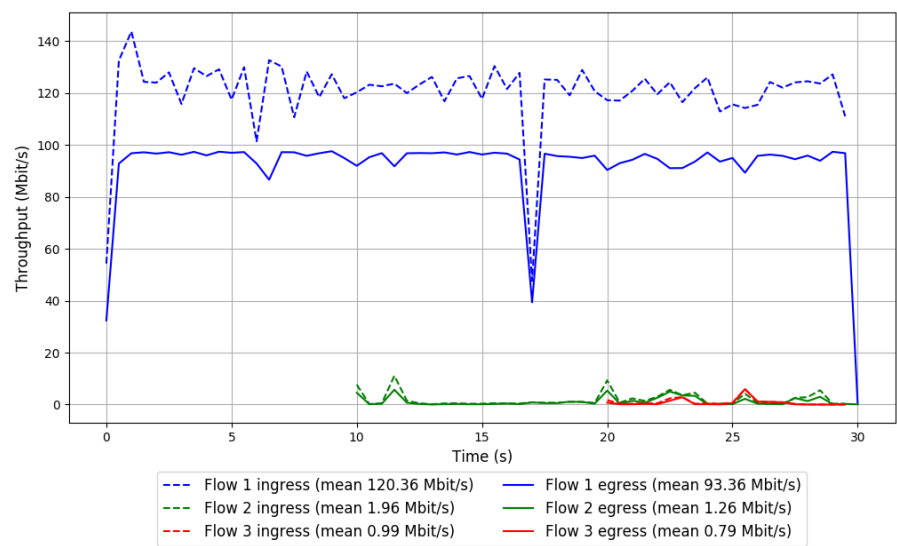


Run 3: Statistics of TCP BBR

Start at: 2018-01-26 15:09:03
End at: 2018-01-26 15:09:33
Local clock offset: 1.514 ms
Remote clock offset: -2.112 ms

Below is generated by plot.py at 2018-01-26 18:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 68.959 ms
Loss rate: 22.57%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 68.968 ms
Loss rate: 22.43%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 67.993 ms
Loss rate: 35.91%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 67.970 ms
Loss rate: 20.36%

Run 3: Report of TCP BBR — Data Link

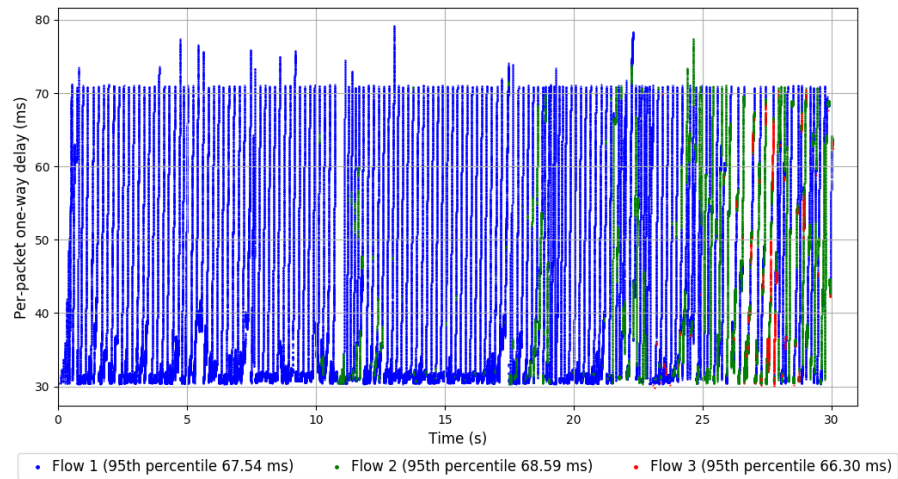
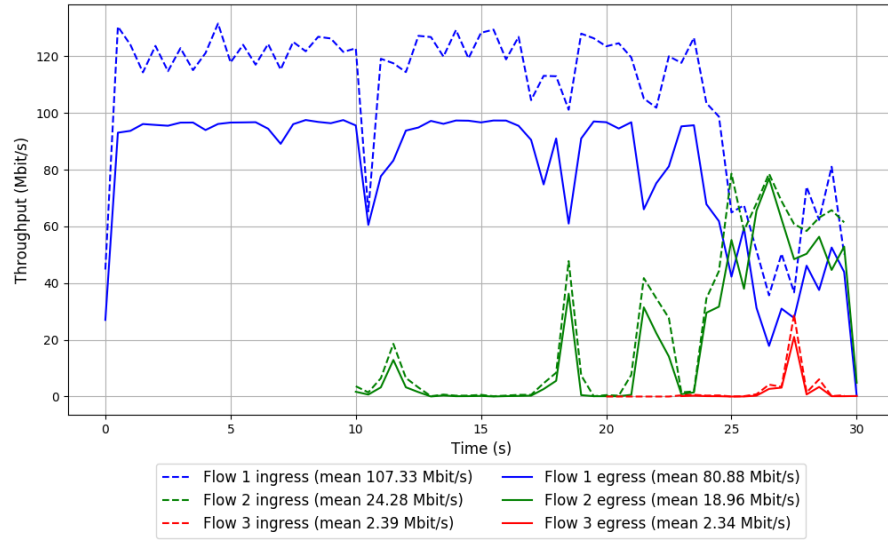


Run 4: Statistics of TCP BBR

Start at: 2018-01-26 15:33:07
End at: 2018-01-26 15:33:37
Local clock offset: 1.367 ms
Remote clock offset: -2.977 ms

Below is generated by plot.py at 2018-01-26 18:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 67.875 ms
Loss rate: 24.25%
-- Flow 1:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 67.542 ms
Loss rate: 24.57%
-- Flow 2:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 68.593 ms
Loss rate: 21.77%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 66.296 ms
Loss rate: 31.49%

Run 4: Report of TCP BBR — Data Link

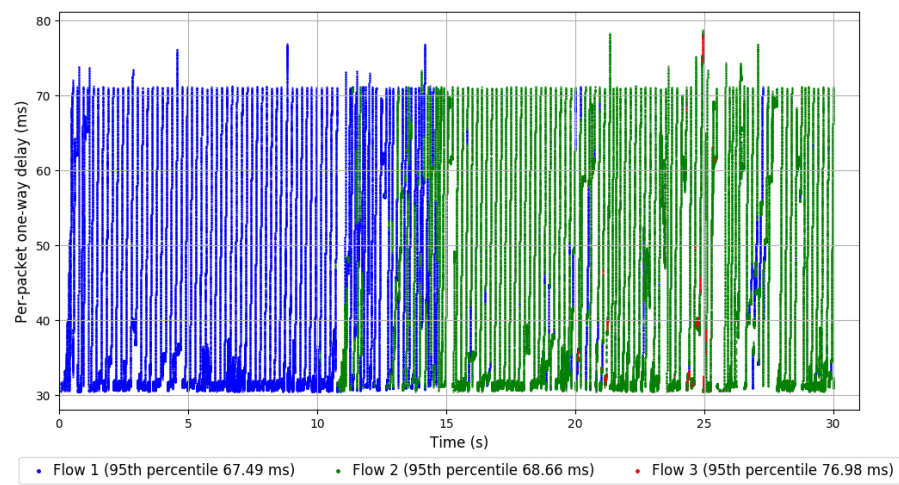
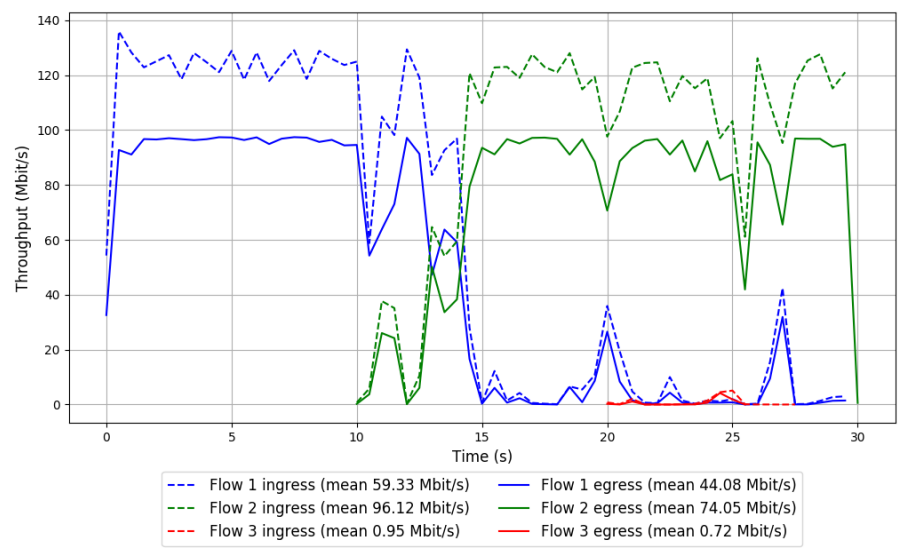


Run 5: Statistics of TCP BBR

Start at: 2018-01-26 15:56:44
End at: 2018-01-26 15:57:14
Local clock offset: 1.135 ms
Remote clock offset: -2.319 ms

Below is generated by plot.py at 2018-01-26 18:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 68.206 ms
Loss rate: 24.39%
-- Flow 1:
Average throughput: 44.08 Mbit/s
95th percentile per-packet one-way delay: 67.487 ms
Loss rate: 25.84%
-- Flow 2:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 68.658 ms
Loss rate: 22.97%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 76.981 ms
Loss rate: 43.66%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-01-26 16:19:39

End at: 2018-01-26 16:20:09

Local clock offset: 0.86 ms

Remote clock offset: -1.71 ms

Below is generated by plot.py at 2018-01-26 18:34:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 68.302 ms

Loss rate: 24.66%

-- Flow 1:

Average throughput: 80.13 Mbit/s

95th percentile per-packet one-way delay: 68.076 ms

Loss rate: 23.99%

-- Flow 2:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 70.115 ms

Loss rate: 31.45%

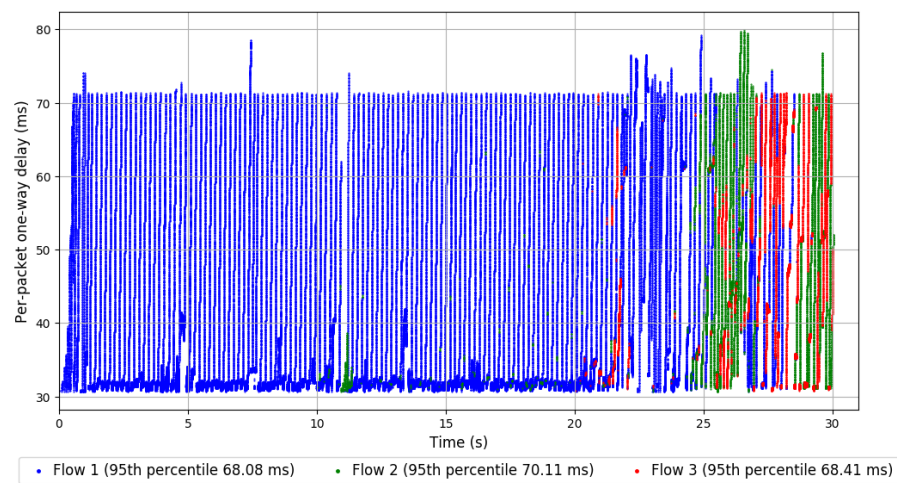
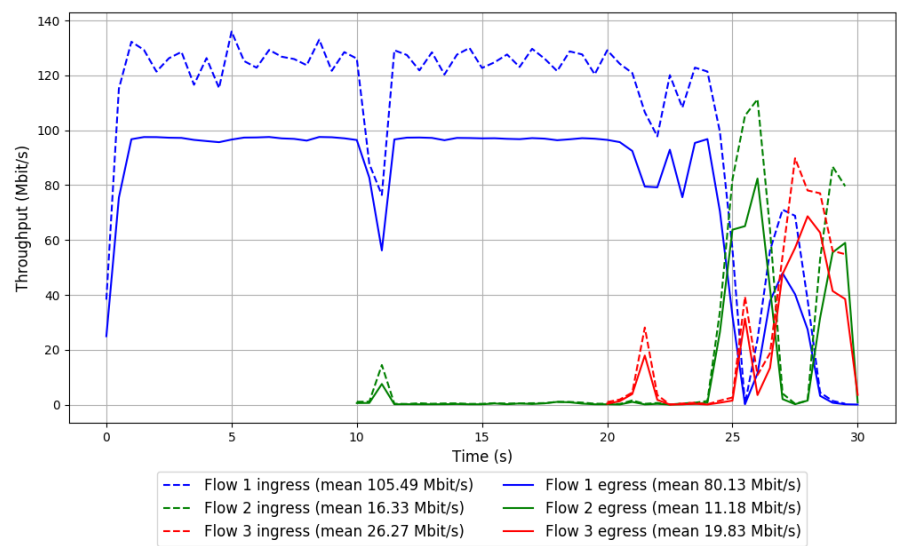
-- Flow 3:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 68.408 ms

Loss rate: 24.37%

Run 6: Report of TCP BBR — Data Link

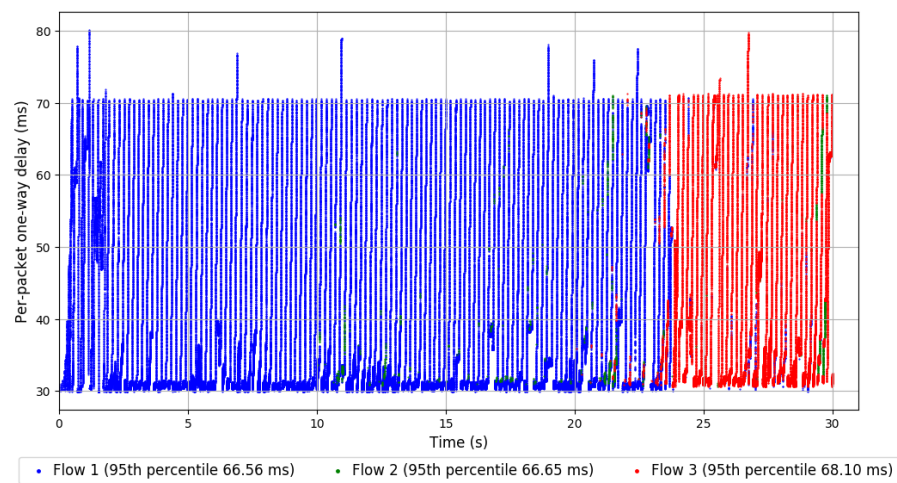
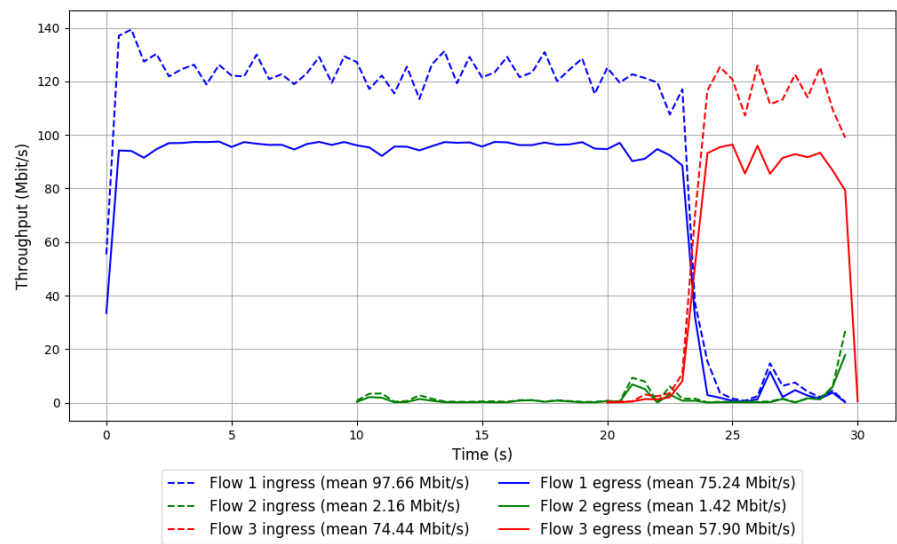


Run 7: Statistics of TCP BBR

Start at: 2018-01-26 16:43:09
End at: 2018-01-26 16:43:39
Local clock offset: 0.742 ms
Remote clock offset: -2.027 ms

Below is generated by plot.py at 2018-01-26 18:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 66.876 ms
Loss rate: 23.06%
-- Flow 1:
Average throughput: 75.24 Mbit/s
95th percentile per-packet one-way delay: 66.564 ms
Loss rate: 23.10%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 66.646 ms
Loss rate: 34.10%
-- Flow 3:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 68.103 ms
Loss rate: 22.26%

Run 7: Report of TCP BBR — Data Link

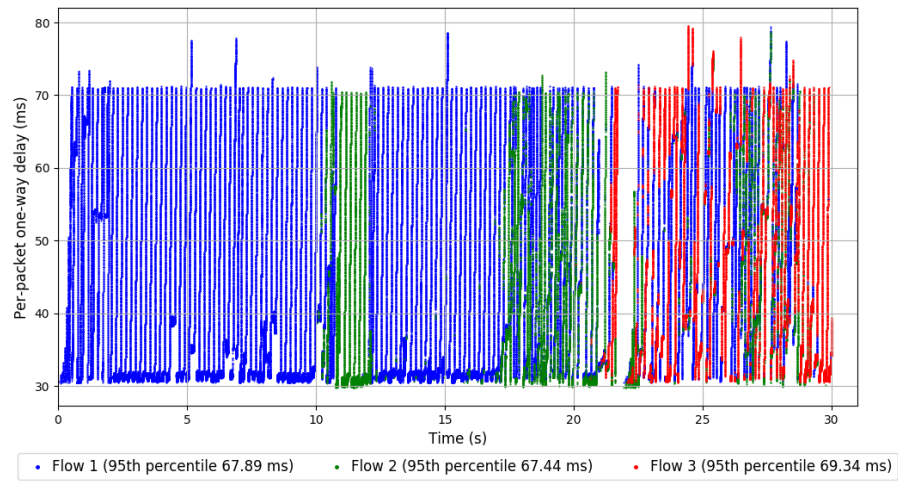
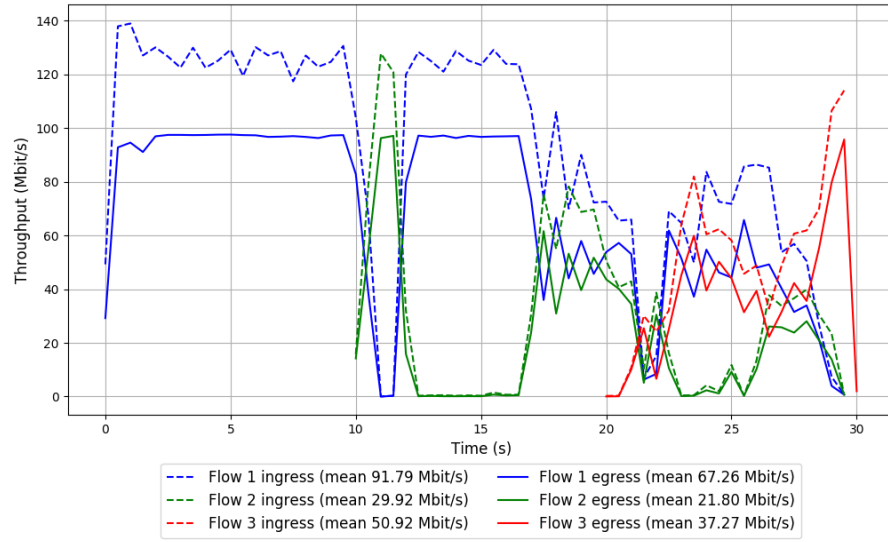


Run 8: Statistics of TCP BBR

Start at: 2018-01-26 17:06:30
End at: 2018-01-26 17:07:00
Local clock offset: 0.895 ms
Remote clock offset: -2.318 ms

Below is generated by plot.py at 2018-01-26 18:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 26.80%
-- Flow 1:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: 67.893 ms
Loss rate: 26.71%
-- Flow 2:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 67.437 ms
Loss rate: 27.16%
-- Flow 3:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 69.340 ms
Loss rate: 26.86%

Run 8: Report of TCP BBR — Data Link

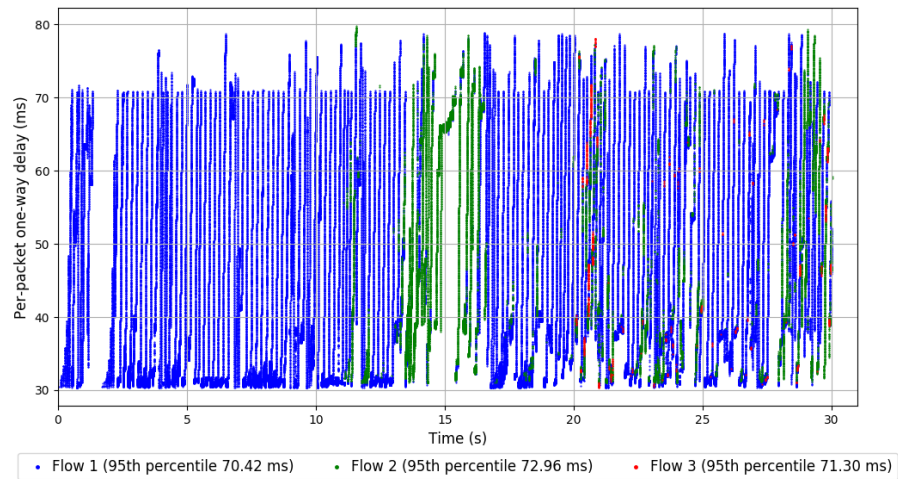
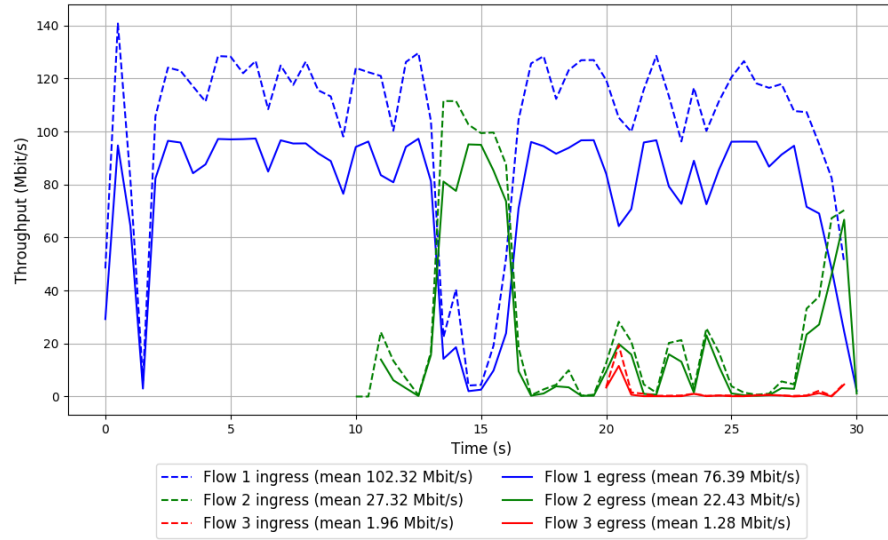


Run 9: Statistics of TCP BBR

Start at: 2018-01-26 17:29:56
End at: 2018-01-26 17:30:26
Local clock offset: 0.775 ms
Remote clock offset: -1.976 ms

Below is generated by plot.py at 2018-01-26 18:35:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 70.813 ms
Loss rate: 24.86%
-- Flow 1:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 70.417 ms
Loss rate: 25.31%
-- Flow 2:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 72.959 ms
Loss rate: 22.04%
-- Flow 3:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 71.300 ms
Loss rate: 34.40%

Run 9: Report of TCP BBR — Data Link

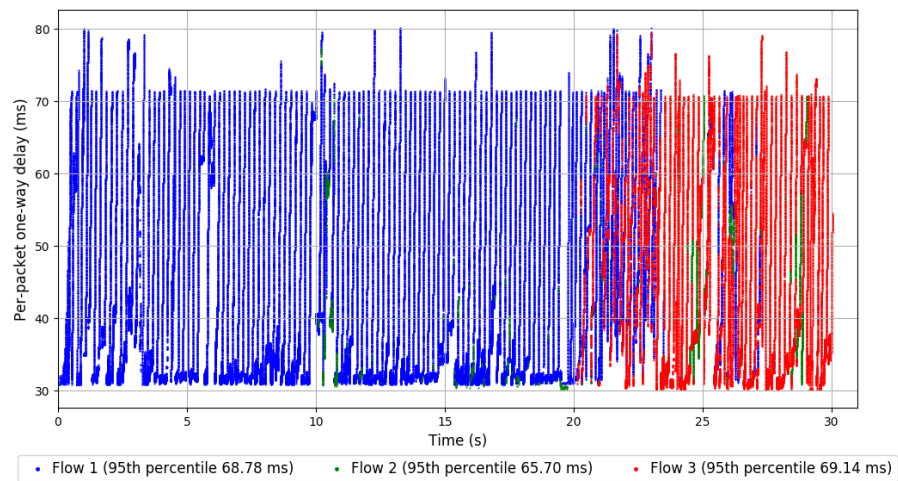
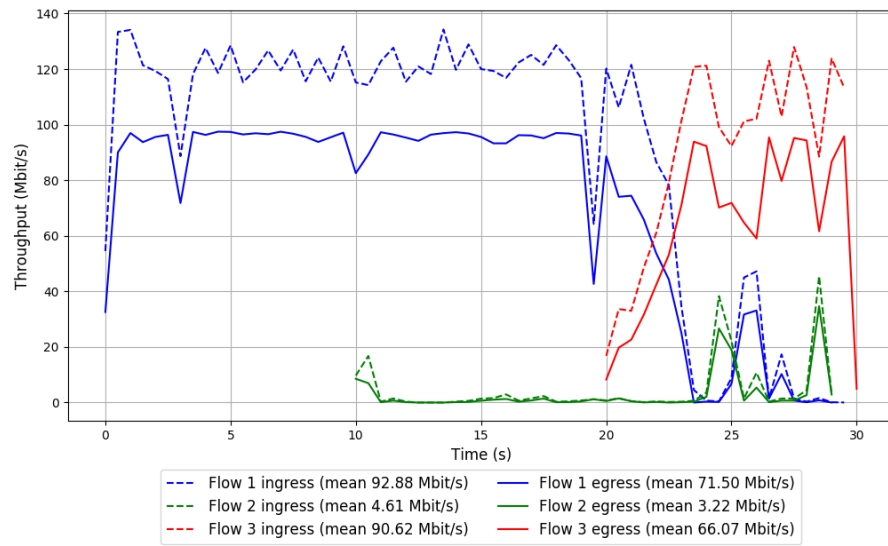


Run 10: Statistics of TCP BBR

Start at: 2018-01-26 17:54:06
End at: 2018-01-26 17:54:36
Local clock offset: 0.908 ms
Remote clock offset: -2.544 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 68.824 ms
Loss rate: 24.89%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 68.780 ms
Loss rate: 23.95%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 65.701 ms
Loss rate: 31.62%
-- Flow 3:
Average throughput: 66.07 Mbit/s
95th percentile per-packet one-way delay: 69.138 ms
Loss rate: 27.10%

Run 10: Report of TCP BBR — Data Link

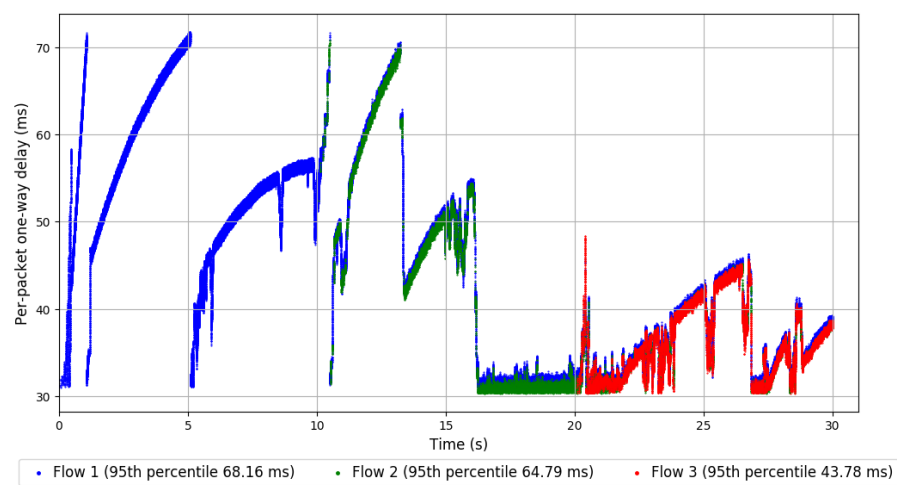
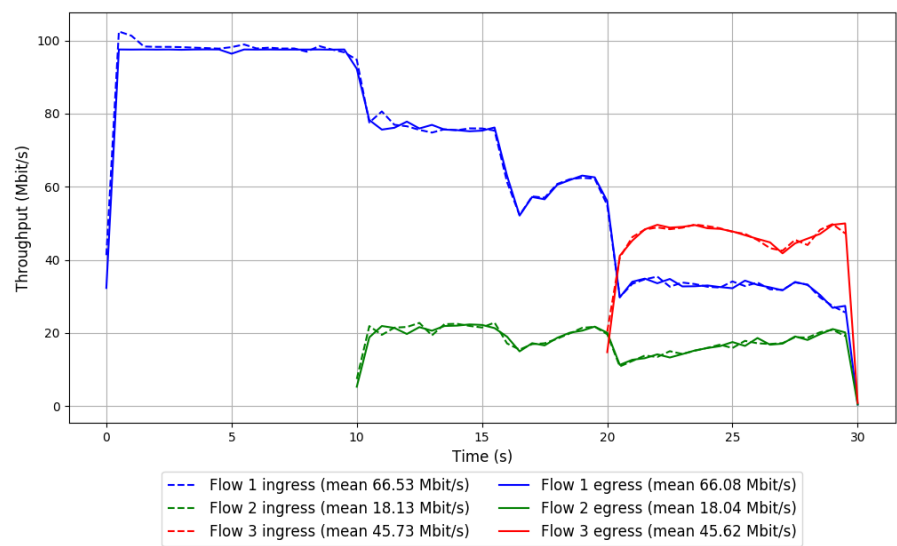


Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 14:15:41
End at: 2018-01-26 14:16:11
Local clock offset: 1.679 ms
Remote clock offset: -0.489 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 67.290 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 68.160 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 64.789 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 43.779 ms
Loss rate: 0.17%

Run 1: Report of TCP Cubic — Data Link

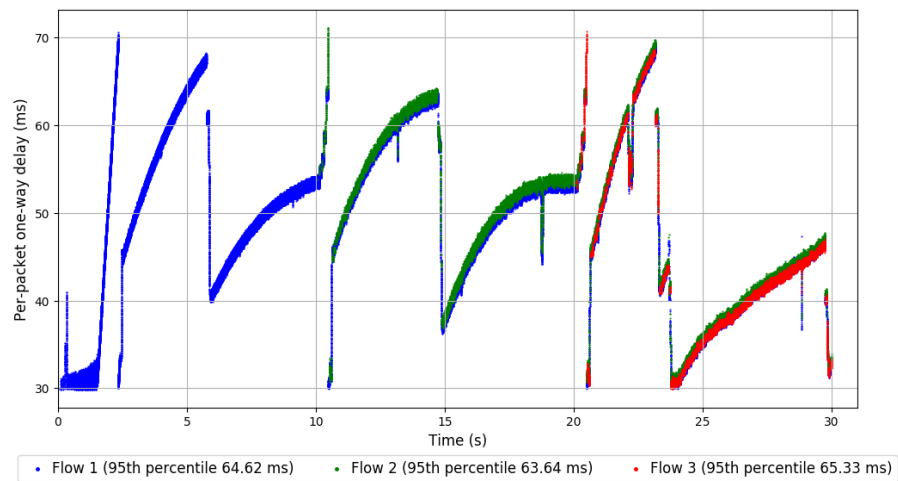
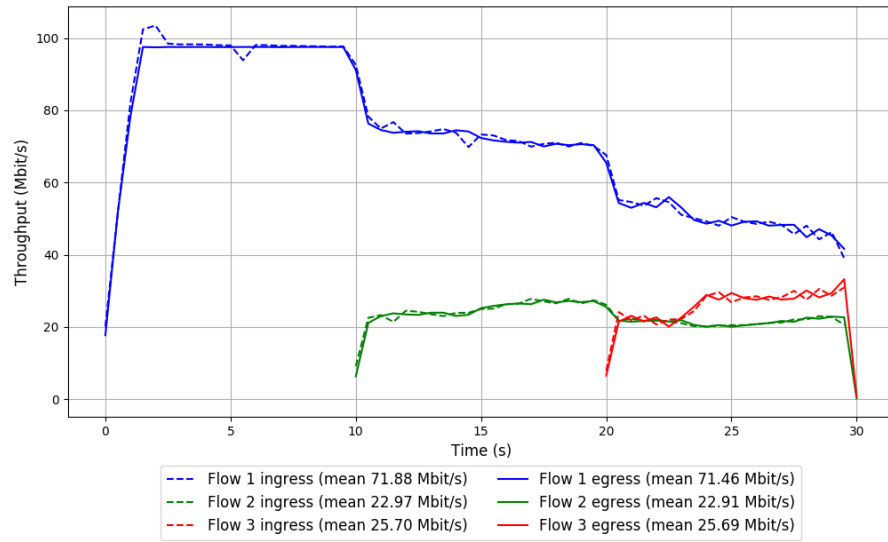


Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 14:37:54
End at: 2018-01-26 14:38:24
Local clock offset: 1.637 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 64.546 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 64.619 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 63.643 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 65.329 ms
Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

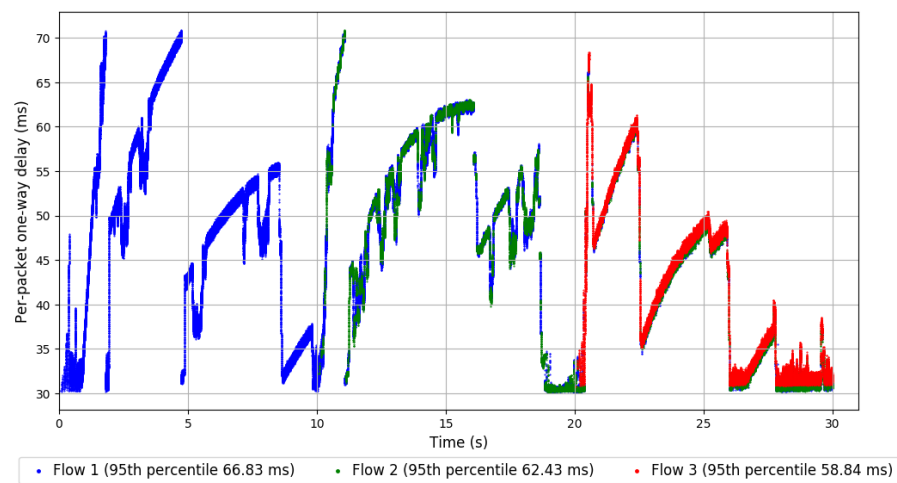
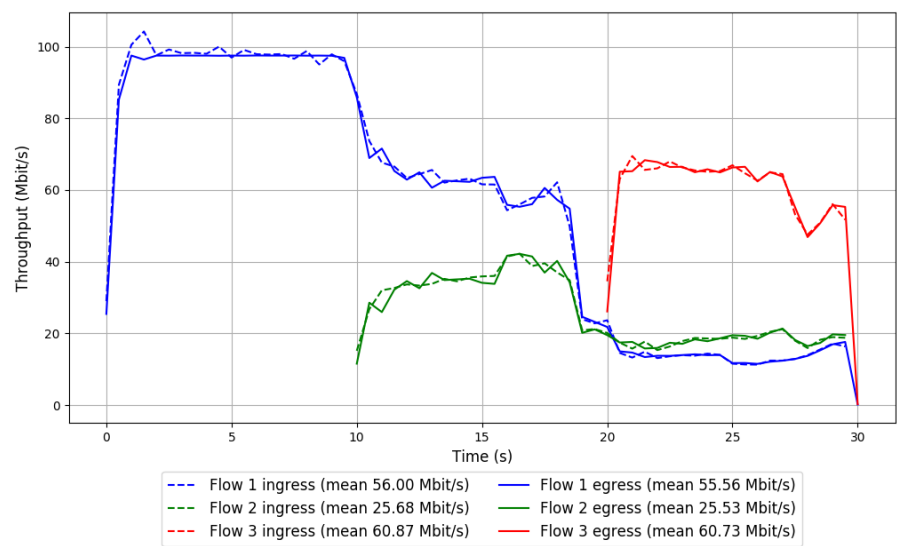


Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 15:01:38
End at: 2018-01-26 15:02:08
Local clock offset: 1.579 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 64.990 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 66.834 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 62.434 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 58.841 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

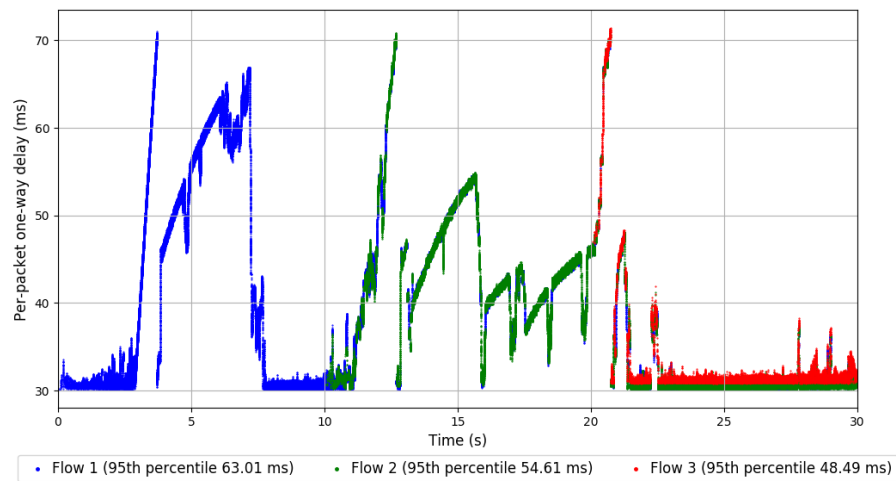
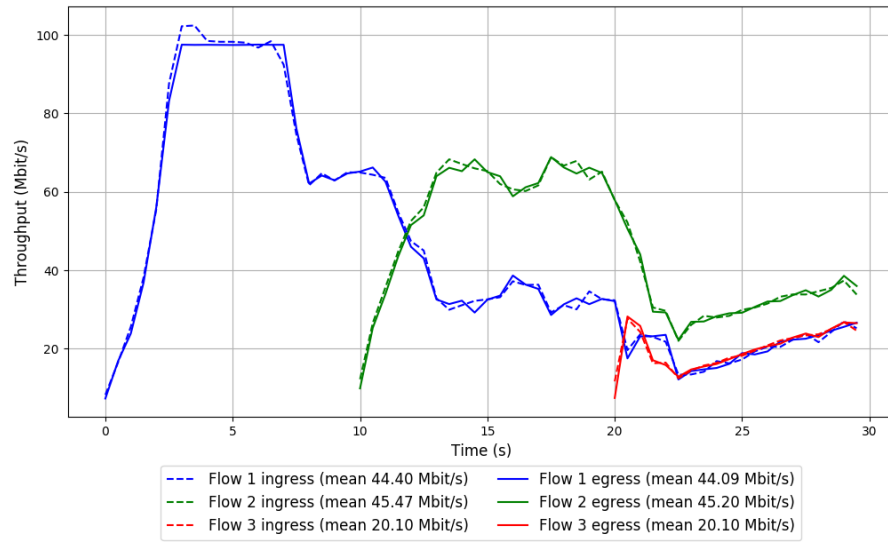


Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 15:25:38
End at: 2018-01-26 15:26:08
Local clock offset: 1.384 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 62.427 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 44.09 Mbit/s
95th percentile per-packet one-way delay: 63.014 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 54.611 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 20.10 Mbit/s
95th percentile per-packet one-way delay: 48.487 ms
Loss rate: 0.17%

Run 4: Report of TCP Cubic — Data Link

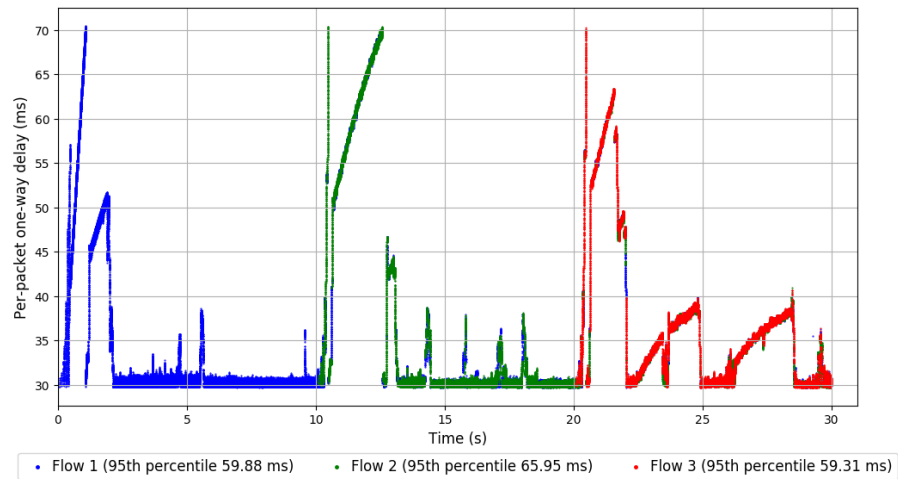
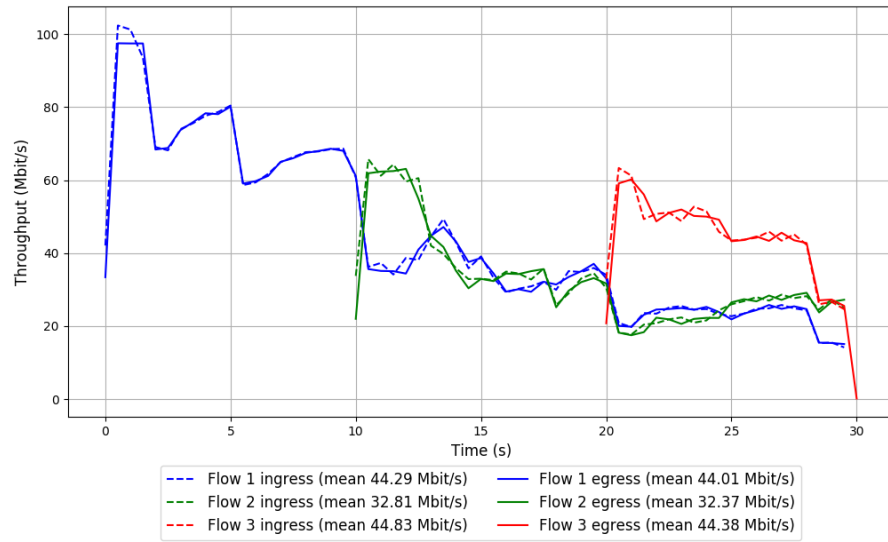


Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 15:49:32
End at: 2018-01-26 15:50:02
Local clock offset: 1.17 ms
Remote clock offset: -2.546 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 61.823 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 59.884 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 65.947 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 59.315 ms
Loss rate: 1.01%

Run 5: Report of TCP Cubic — Data Link

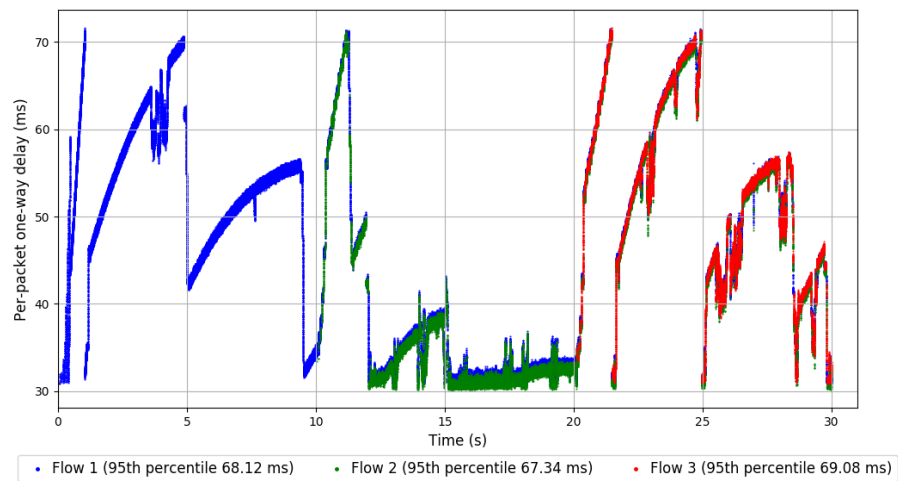
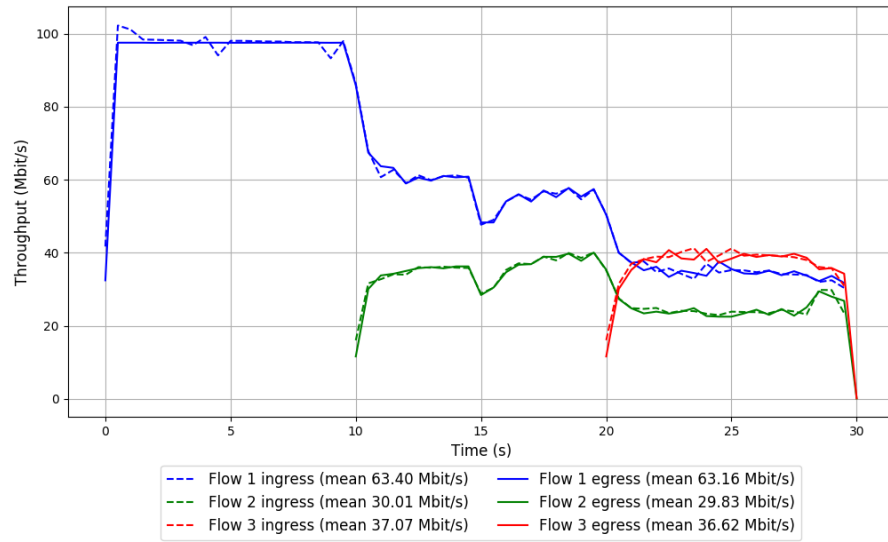


Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 16:12:19
End at: 2018-01-26 16:12:49
Local clock offset: 0.991 ms
Remote clock offset: -1.569 ms

Below is generated by plot.py at 2018-01-26 18:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 68.238 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 68.125 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 67.341 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 69.085 ms
Loss rate: 1.21%

Run 6: Report of TCP Cubic — Data Link

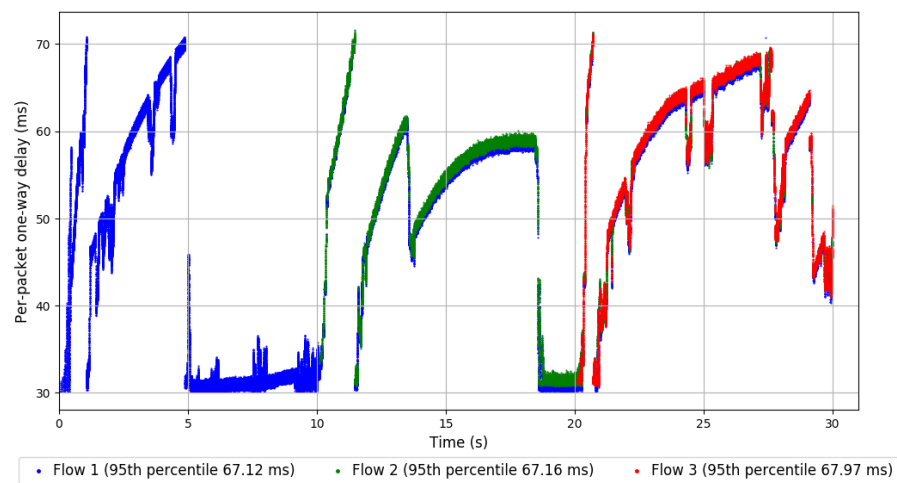
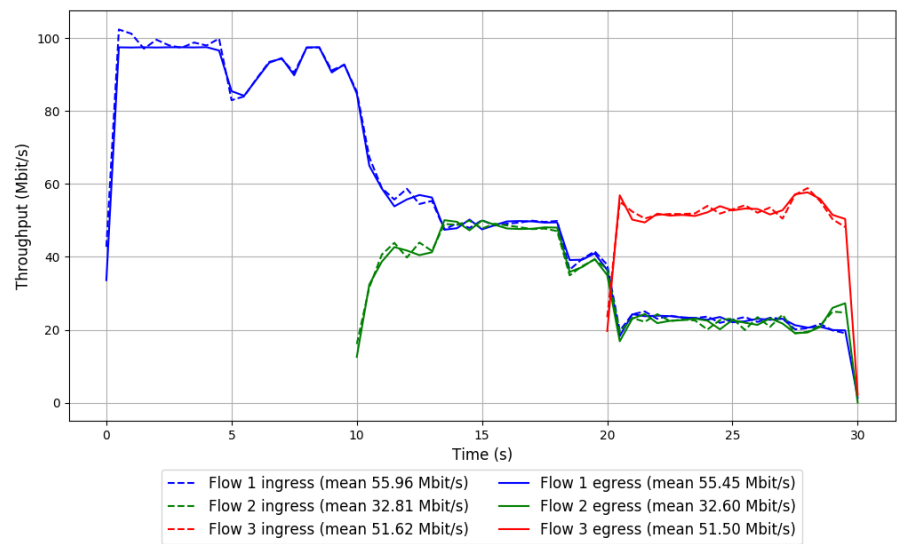


Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 16:35:38
End at: 2018-01-26 16:36:08
Local clock offset: 0.847 ms
Remote clock offset: -1.648 ms

Below is generated by plot.py at 2018-01-26 18:37:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.27 Mbit/s
95th percentile per-packet one-way delay: 67.479 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 67.121 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 67.156 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 51.50 Mbit/s
95th percentile per-packet one-way delay: 67.969 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link

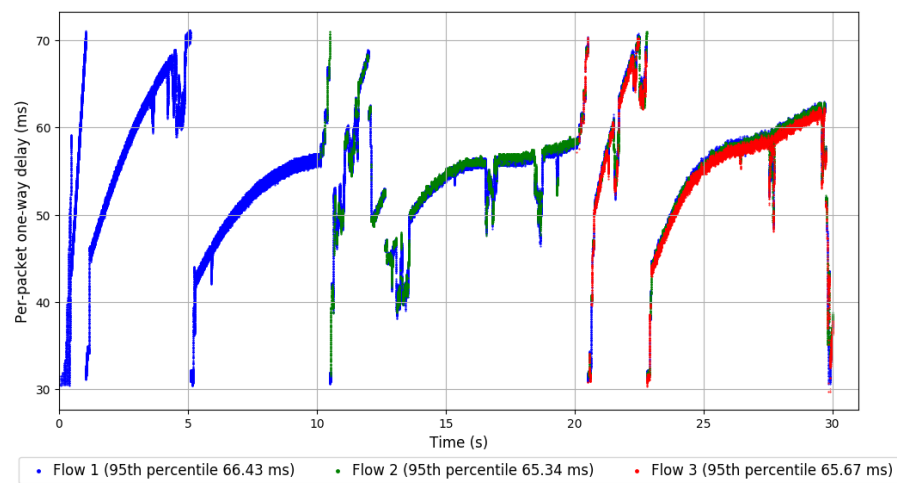
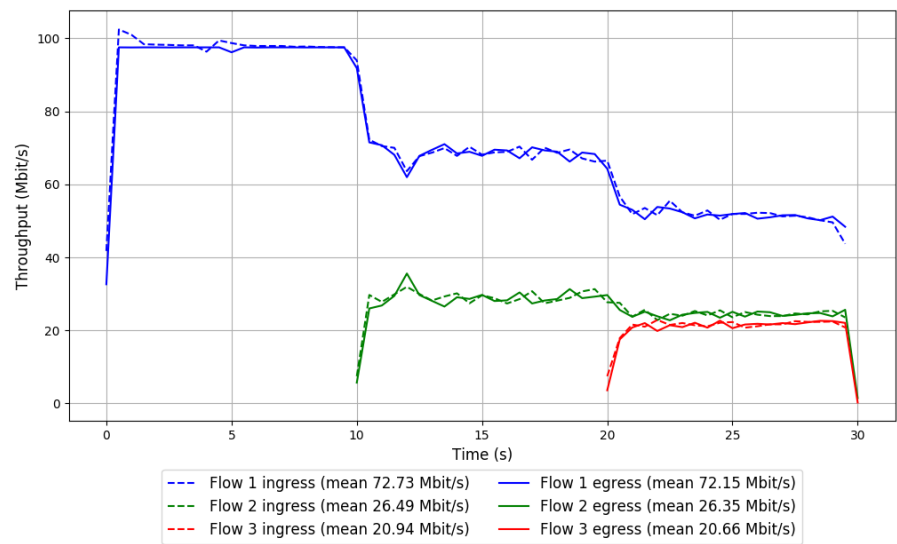


Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 16:59:24
End at: 2018-01-26 16:59:54
Local clock offset: 0.818 ms
Remote clock offset: -2.331 ms

Below is generated by plot.py at 2018-01-26 18:37:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 66.248 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 66.427 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 65.339 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 20.66 Mbit/s
95th percentile per-packet one-way delay: 65.669 ms
Loss rate: 1.50%

Run 8: Report of TCP Cubic — Data Link

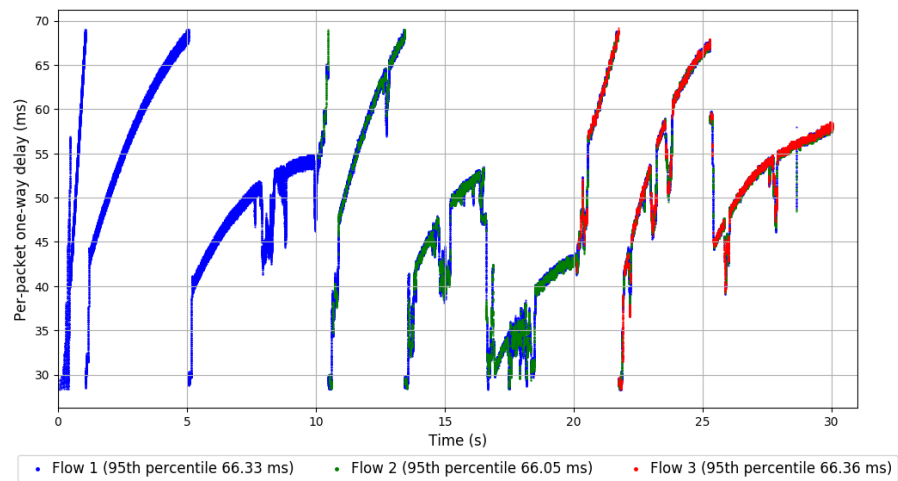
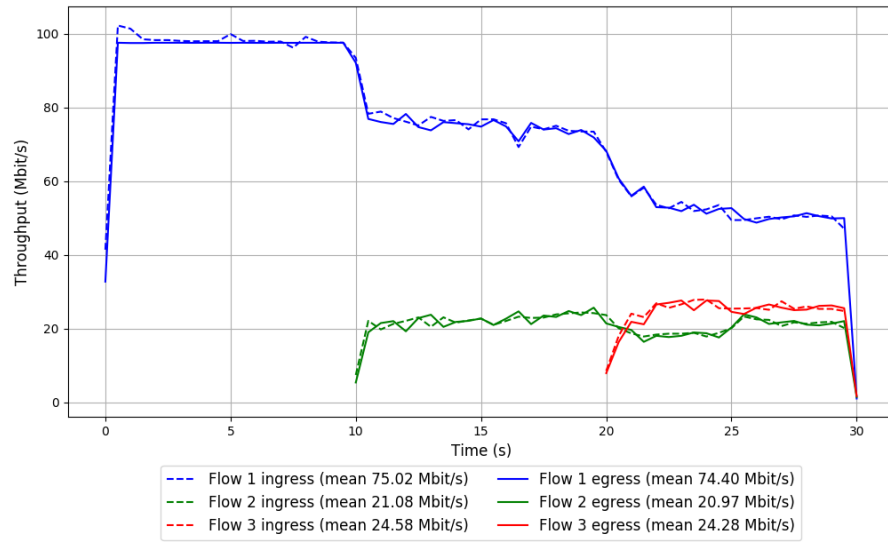


Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 17:22:44
End at: 2018-01-26 17:23:14
Local clock offset: 0.797 ms
Remote clock offset: -4.529 ms

Below is generated by plot.py at 2018-01-26 18:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 66.307 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 66.328 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 66.051 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 66.361 ms
Loss rate: 1.04%

Run 9: Report of TCP Cubic — Data Link

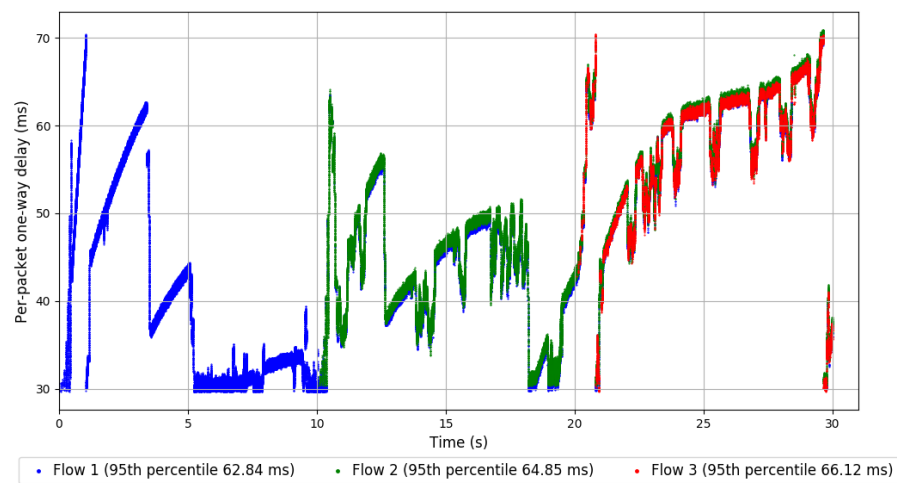
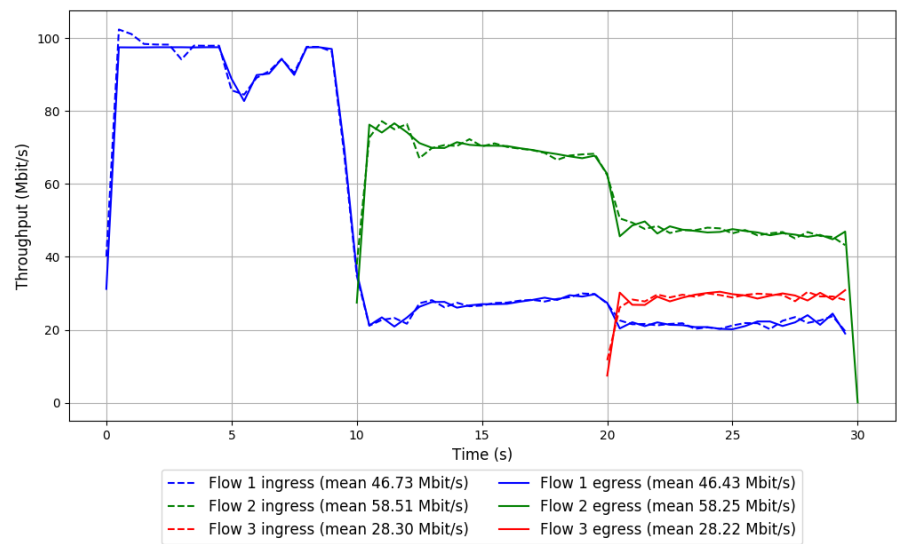


Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 17:46:47
End at: 2018-01-26 17:47:17
Local clock offset: 0.896 ms
Remote clock offset: -2.895 ms

Below is generated by plot.py at 2018-01-26 18:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 64.397 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 62.837 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 64.851 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 66.118 ms
Loss rate: 0.35%

Run 10: Report of TCP Cubic — Data Link

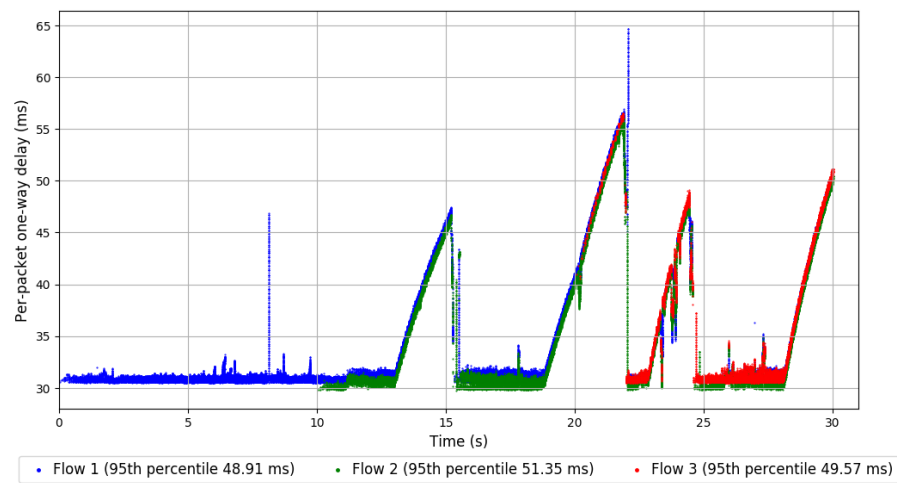
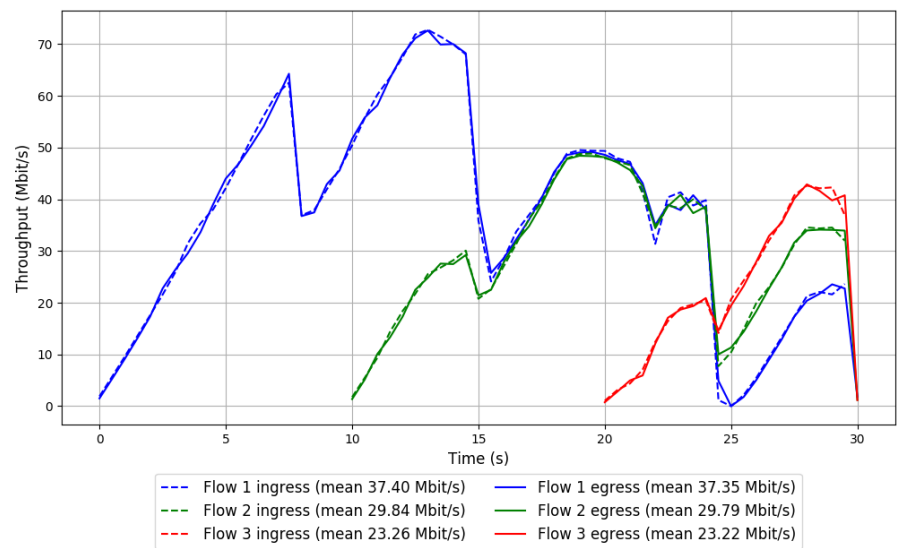


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 14:28:12
End at: 2018-01-26 14:28:42
Local clock offset: 1.669 ms
Remote clock offset: -1.317 ms

# Below is generated by plot.py at 2018-01-26 18:37:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 49.885 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 48.915 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 51.354 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 49.568 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

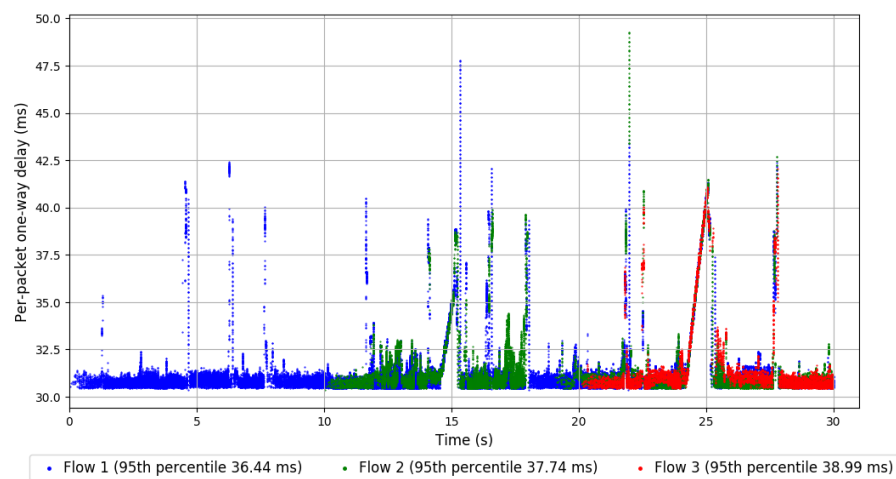
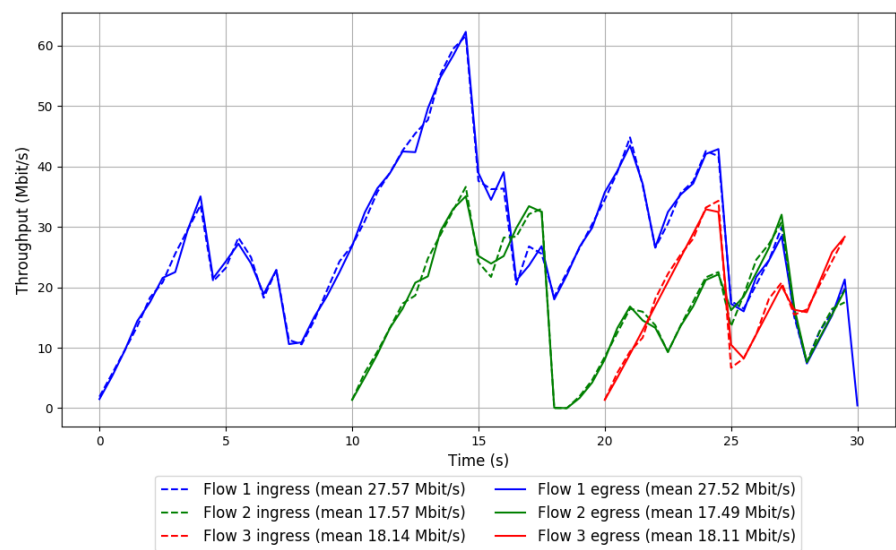


Run 2: Statistics of LEDBAT

Start at: 2018-01-26 14:50:59
End at: 2018-01-26 14:51:29
Local clock offset: 1.646 ms
Remote clock offset: -1.667 ms

Below is generated by plot.py at 2018-01-26 18:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 37.373 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 36.444 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 37.741 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 38.993 ms
Loss rate: 0.16%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-01-26 15:14:41

End at: 2018-01-26 15:15:11

Local clock offset: 1.377 ms

Remote clock offset: -2.14 ms

Below is generated by plot.py at 2018-01-26 18:37:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.59 Mbit/s

95th percentile per-packet one-way delay: 63.335 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 43.80 Mbit/s

95th percentile per-packet one-way delay: 59.129 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 27.70 Mbit/s

95th percentile per-packet one-way delay: 59.001 ms

Loss rate: 0.07%

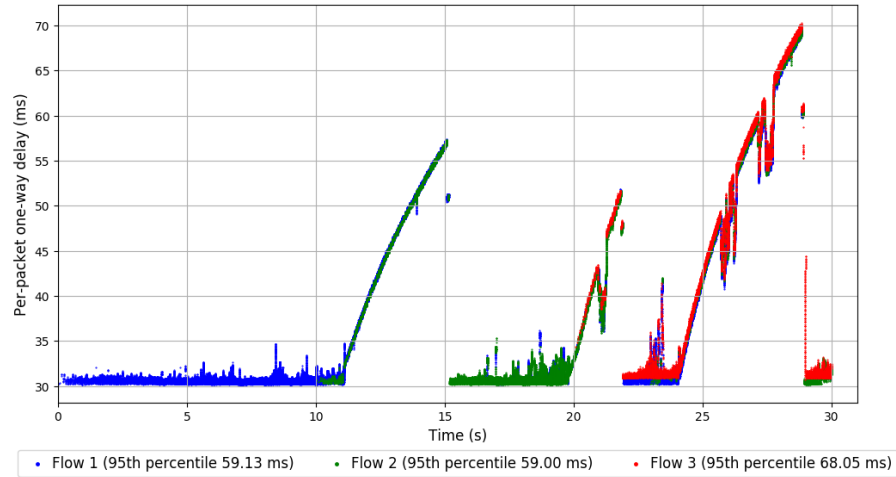
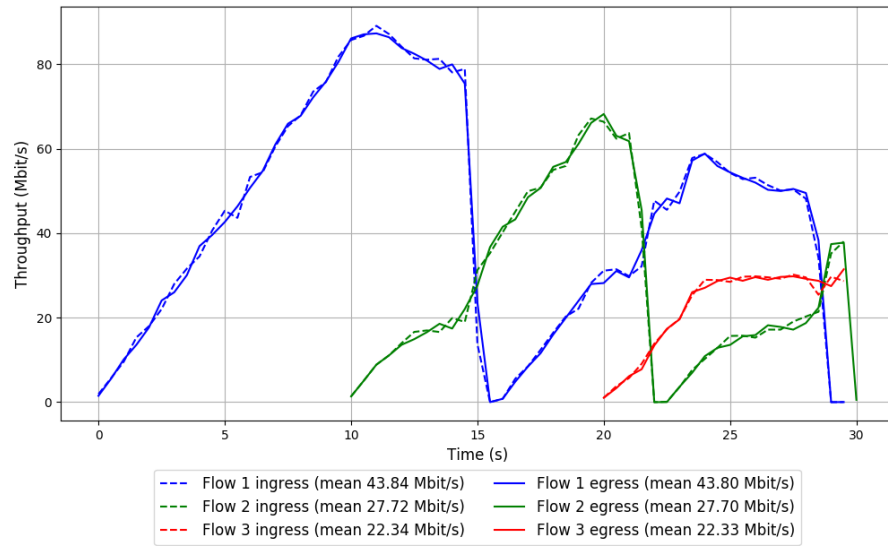
-- Flow 3:

Average throughput: 22.33 Mbit/s

95th percentile per-packet one-way delay: 68.047 ms

Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

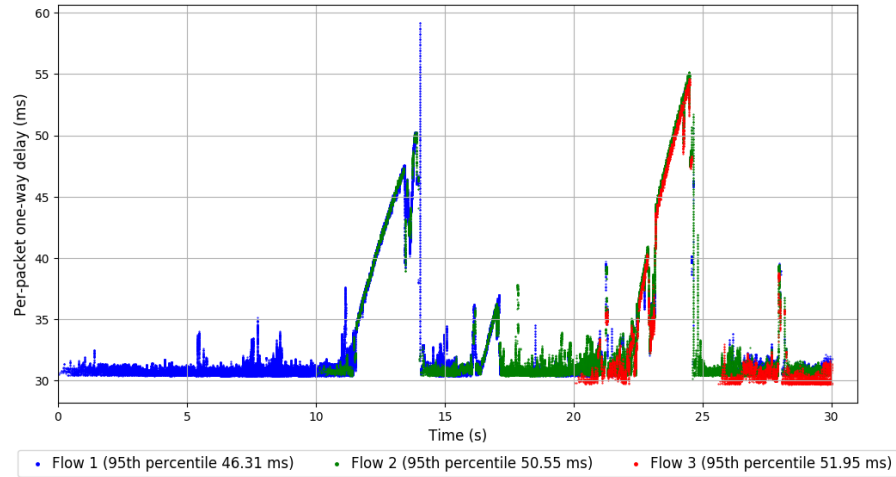
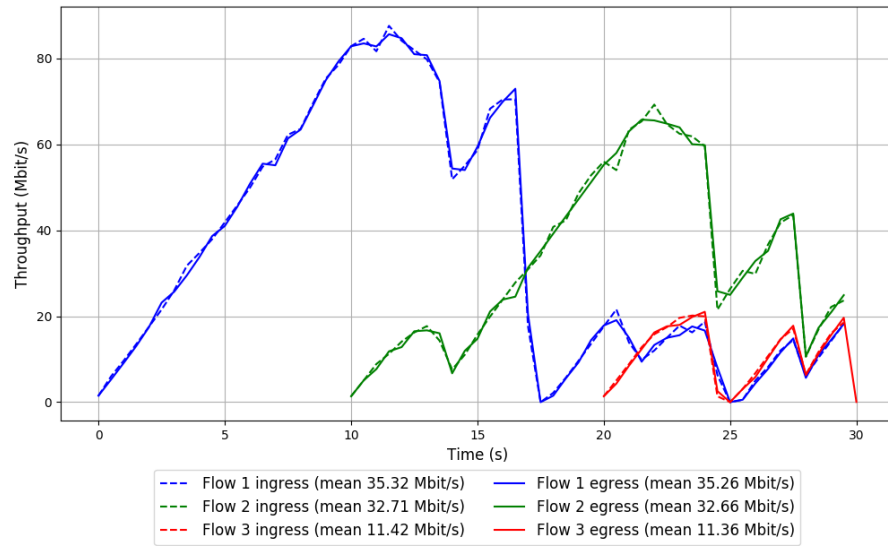


Run 4: Statistics of LEDBAT

Start at: 2018-01-26 15:39:03
End at: 2018-01-26 15:39:33
Local clock offset: 1.304 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2018-01-26 18:37:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 48.505 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 46.313 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 51.955 ms
Loss rate: 0.55%

Run 4: Report of LEDBAT — Data Link

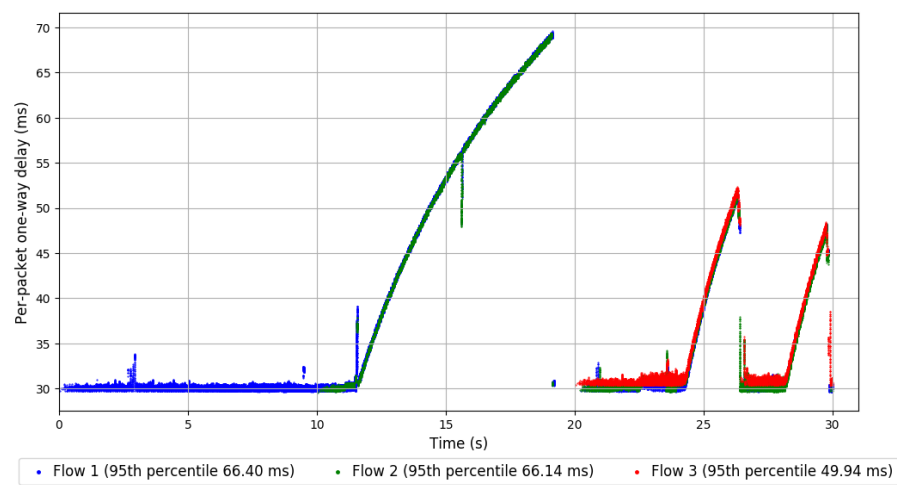
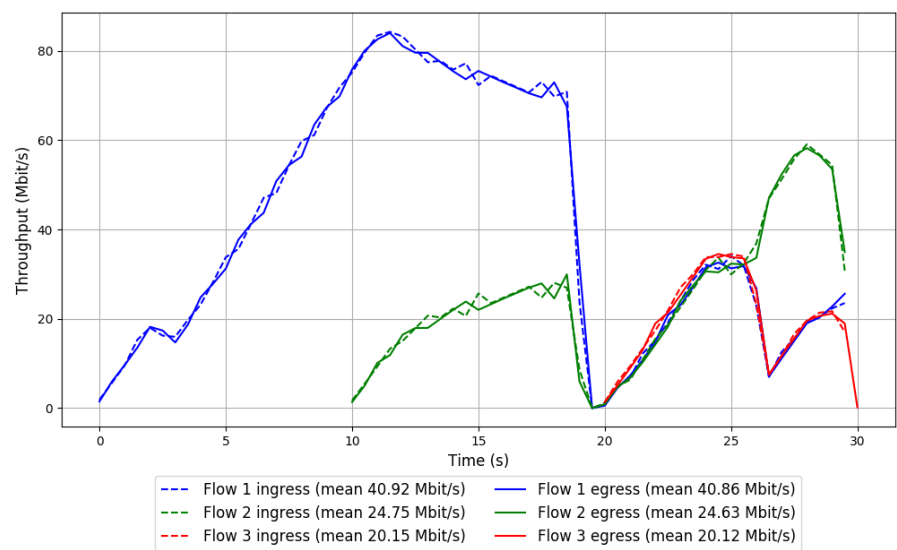


Run 5: Statistics of LEDBAT

Start at: 2018-01-26 16:02:16
End at: 2018-01-26 16:02:46
Local clock offset: 1.071 ms
Remote clock offset: -2.296 ms

Below is generated by plot.py at 2018-01-26 18:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 65.982 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 66.404 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 66.143 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 49.942 ms
Loss rate: 0.16%

Run 5: Report of LEDBAT — Data Link

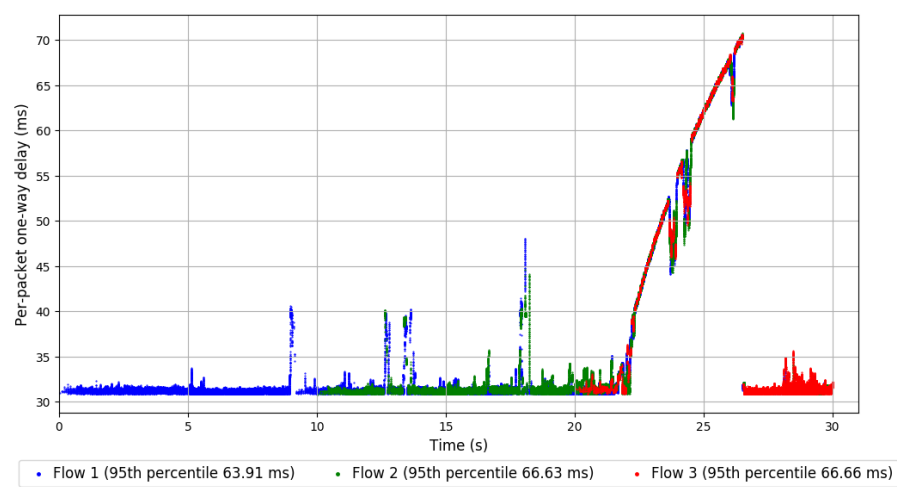
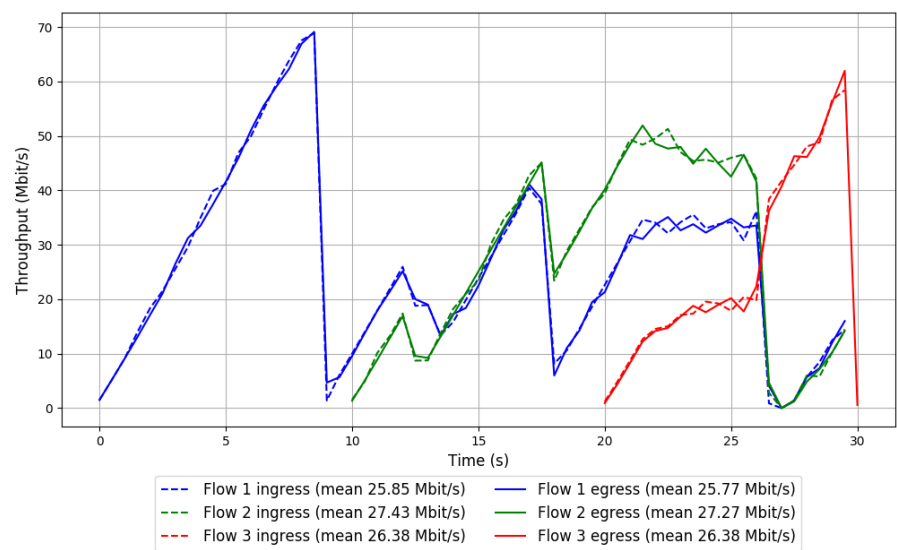


Run 6: Statistics of LEDBAT

Start at: 2018-01-26 16:25:15
End at: 2018-01-26 16:25:45
Local clock offset: 0.839 ms
Remote clock offset: -1.615 ms

Below is generated by plot.py at 2018-01-26 18:37:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 65.675 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 63.908 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 66.630 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 66.662 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

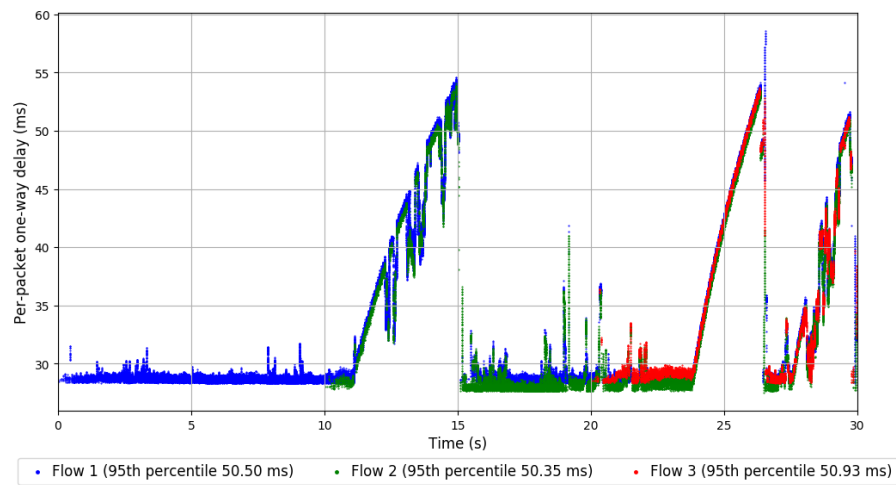
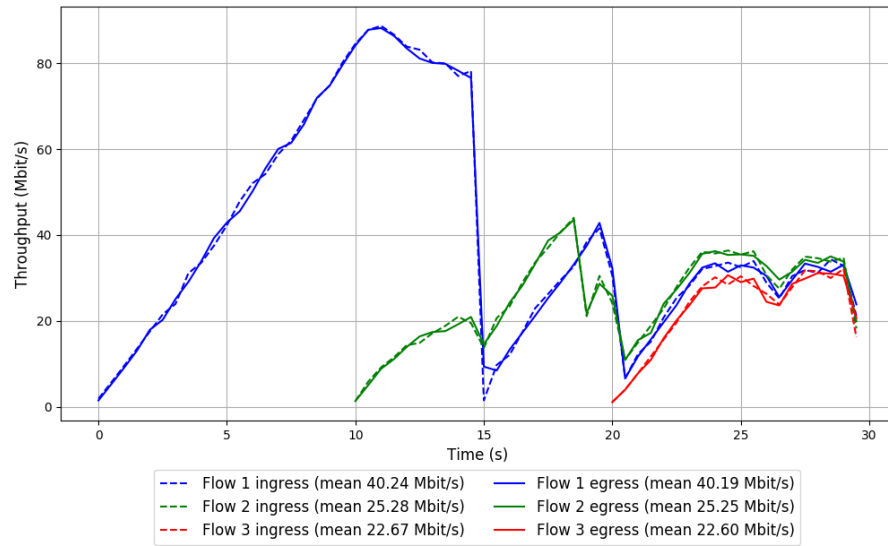


Run 7: Statistics of LEDBAT

Start at: 2018-01-26 16:49:00
End at: 2018-01-26 16:49:30
Local clock offset: 0.804 ms
Remote clock offset: -4.286 ms

Below is generated by plot.py at 2018-01-26 18:37:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.45 Mbit/s
95th percentile per-packet one-way delay: 50.512 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 40.19 Mbit/s
95th percentile per-packet one-way delay: 50.496 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 50.349 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 50.927 ms
Loss rate: 0.19%

Run 7: Report of LEDBAT — Data Link

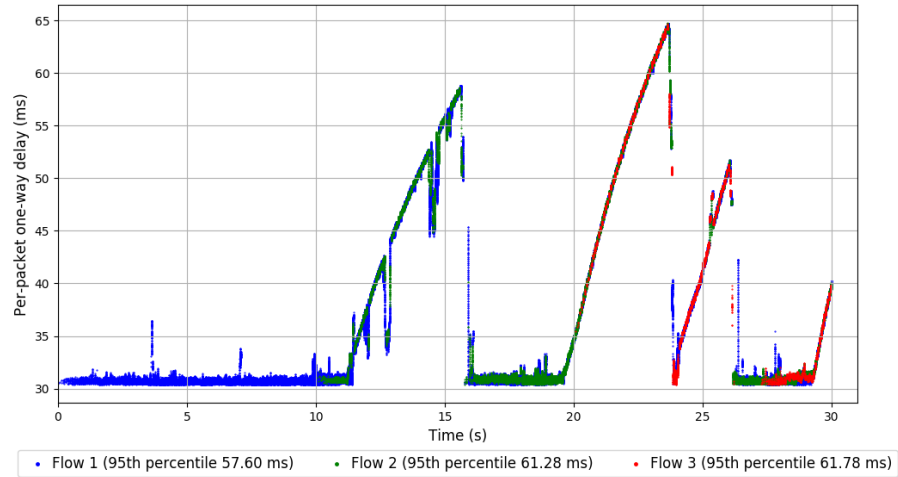
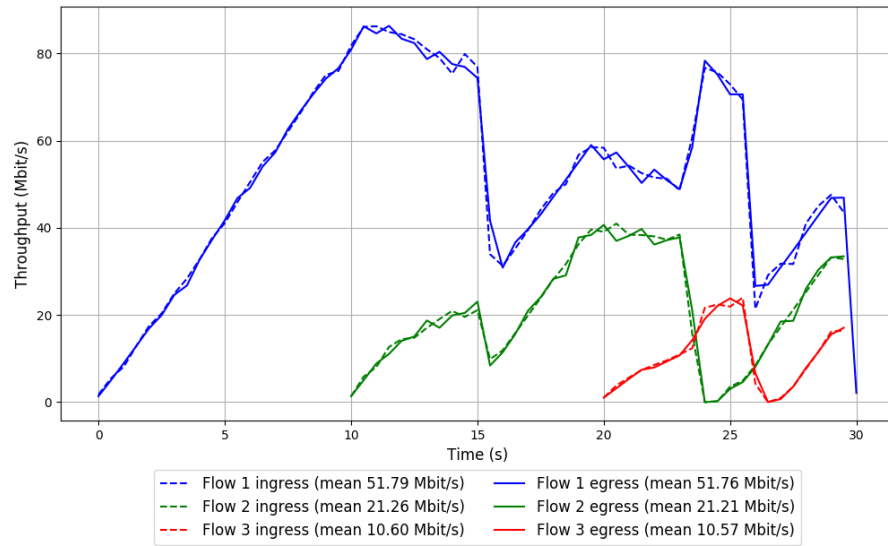


Run 8: Statistics of LEDBAT

Start at: 2018-01-26 17:12:09
End at: 2018-01-26 17:12:39
Local clock offset: 0.835 ms
Remote clock offset: -2.463 ms

Below is generated by plot.py at 2018-01-26 18:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 58.527 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 57.597 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 61.277 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 61.780 ms
Loss rate: 0.21%

Run 8: Report of LEDBAT — Data Link

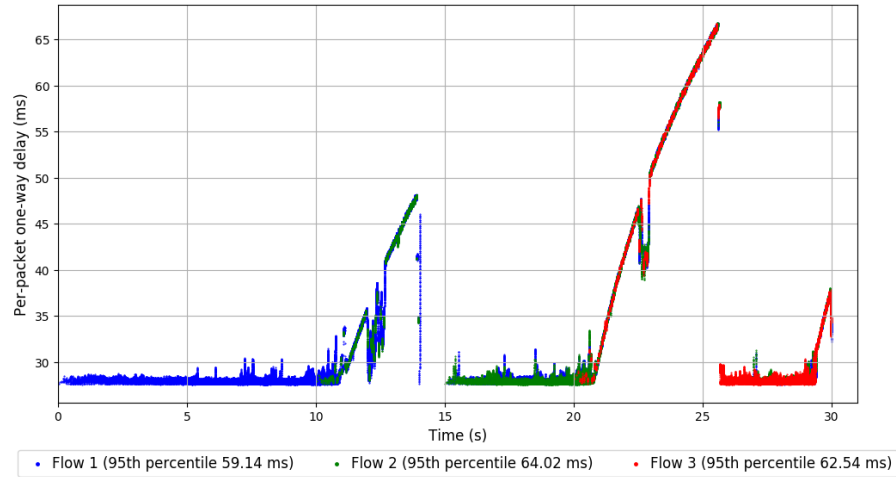
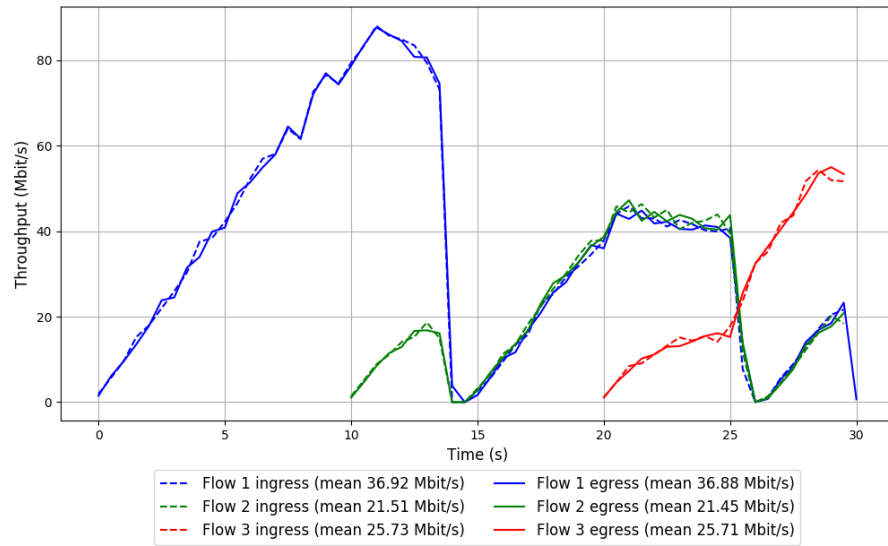


Run 9: Statistics of LEDBAT

Start at: 2018-01-26 17:35:43
End at: 2018-01-26 17:36:13
Local clock offset: 0.88 ms
Remote clock offset: -4.691 ms

Below is generated by plot.py at 2018-01-26 18:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.66 Mbit/s
95th percentile per-packet one-way delay: 61.807 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 59.136 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 64.015 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 25.71 Mbit/s
95th percentile per-packet one-way delay: 62.538 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-26 18:00:02

End at: 2018-01-26 18:00:32

Local clock offset: 0.933 ms

Remote clock offset: -3.12 ms

Below is generated by plot.py at 2018-01-26 18:38:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 63.995 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 24.99 Mbit/s

95th percentile per-packet one-way delay: 62.093 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 34.70 Mbit/s

95th percentile per-packet one-way delay: 63.828 ms

Loss rate: 0.06%

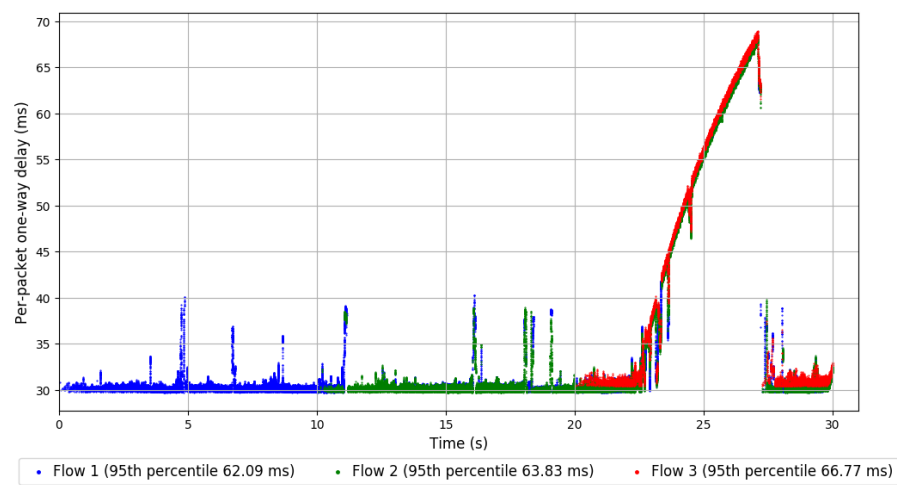
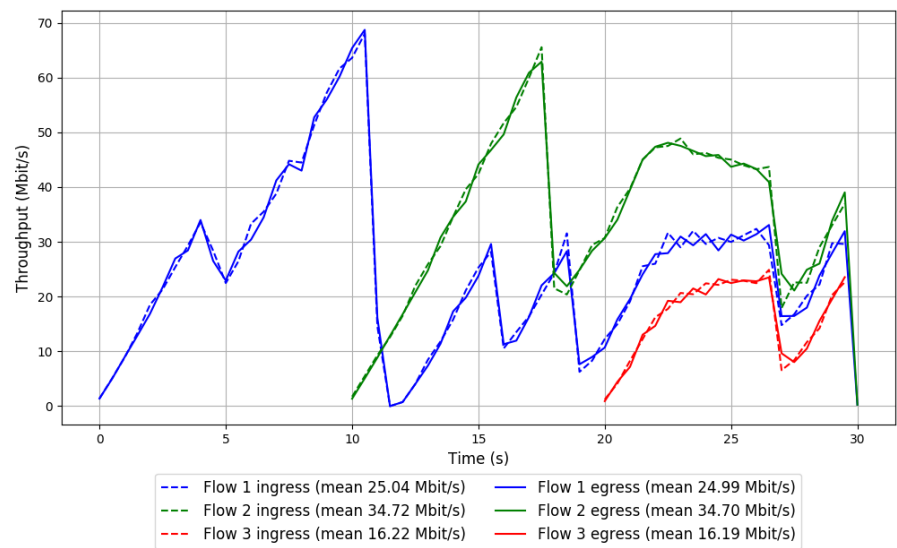
-- Flow 3:

Average throughput: 16.19 Mbit/s

95th percentile per-packet one-way delay: 66.769 ms

Loss rate: 0.16%

Run 10: Report of LEDBAT — Data Link

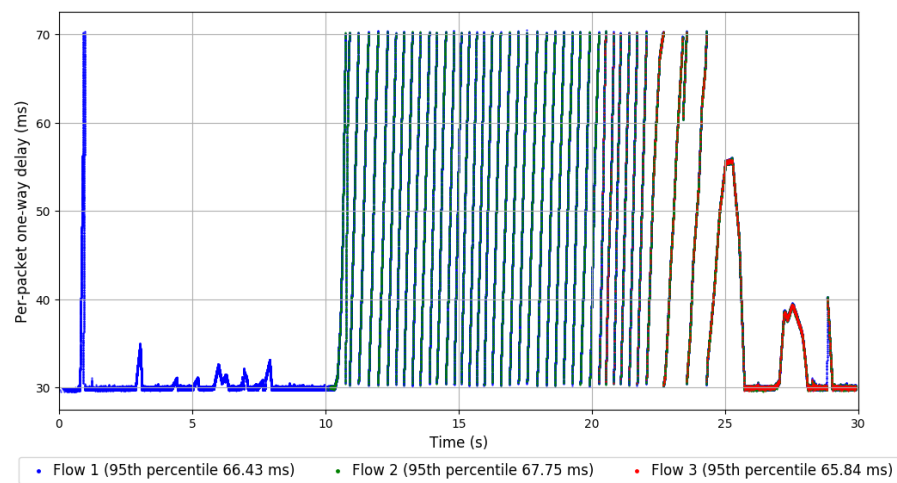
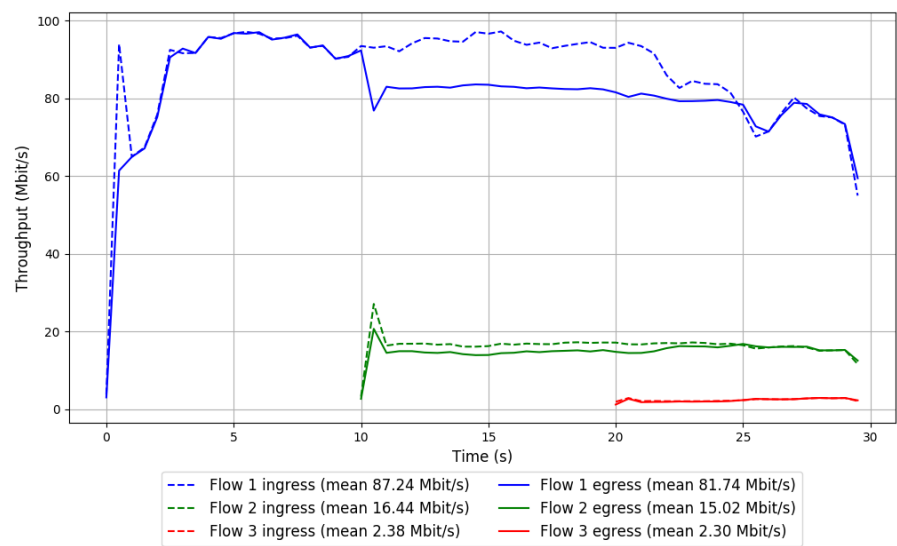


Run 1: Statistics of PCC

Start at: 2018-01-26 14:18:27
End at: 2018-01-26 14:18:57
Local clock offset: 1.743 ms
Remote clock offset: -1.108 ms

Below is generated by plot.py at 2018-01-26 18:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 66.647 ms
Loss rate: 6.54%
-- Flow 1:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 6.30%
-- Flow 2:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 67.749 ms
Loss rate: 8.68%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 65.842 ms
Loss rate: 3.90%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-01-26 14:40:35

End at: 2018-01-26 14:41:05

Local clock offset: 1.595 ms

Remote clock offset: -1.58 ms

Below is generated by plot.py at 2018-01-26 18:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.45 Mbit/s

95th percentile per-packet one-way delay: 67.422 ms

Loss rate: 5.80%

-- Flow 1:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: 66.834 ms

Loss rate: 5.01%

-- Flow 2:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 68.027 ms

Loss rate: 7.11%

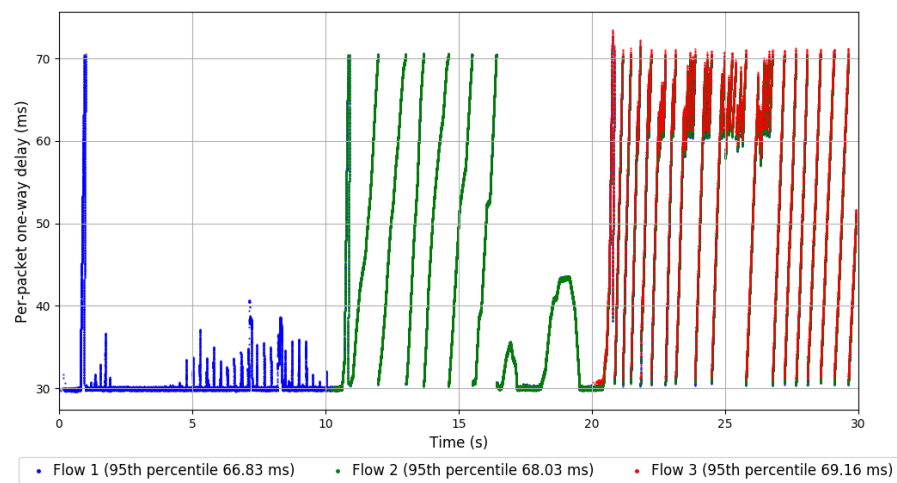
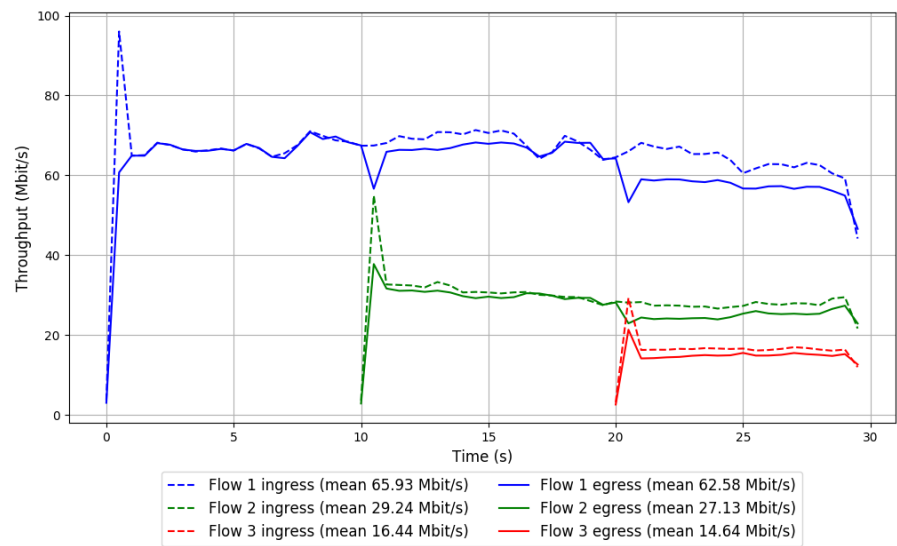
-- Flow 3:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 69.159 ms

Loss rate: 10.75%

Run 2: Report of PCC — Data Link

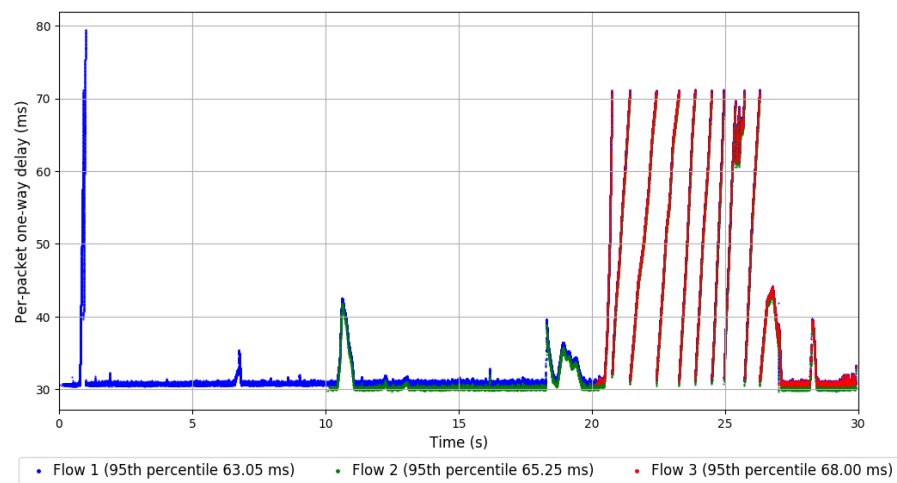
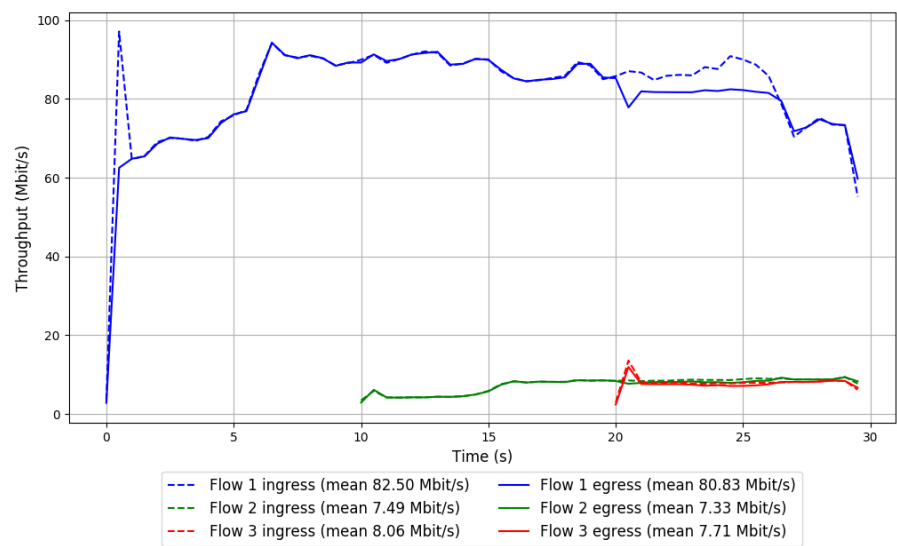


Run 3: Statistics of PCC

Start at: 2018-01-26 15:04:28
End at: 2018-01-26 15:04:58
Local clock offset: 1.462 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-01-26 18:38:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 63.762 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 63.051 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 65.246 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 67.996 ms
Loss rate: 4.39%

Run 3: Report of PCC — Data Link

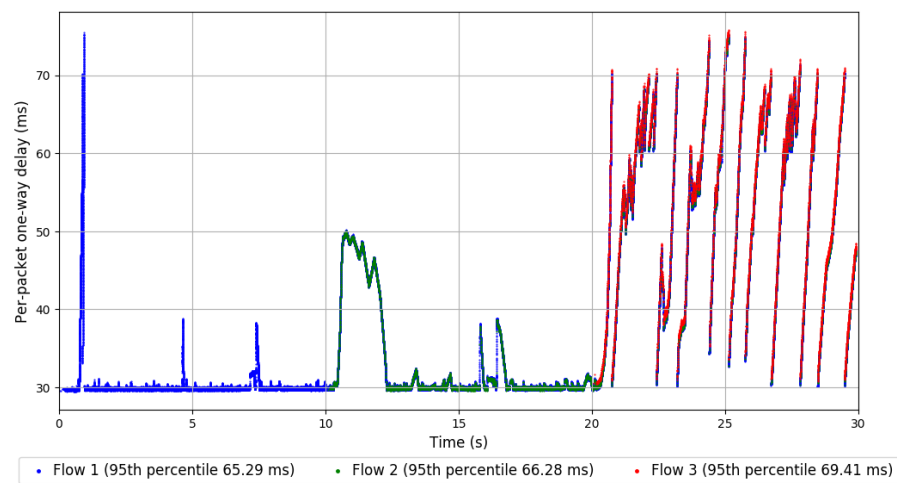
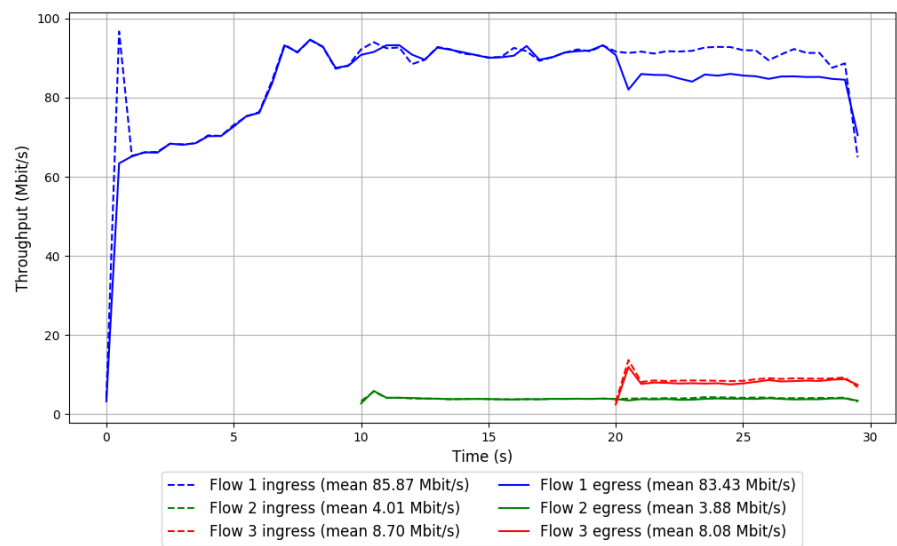


Run 4: Statistics of PCC

Start at: 2018-01-26 15:28:33
End at: 2018-01-26 15:29:03
Local clock offset: 1.389 ms
Remote clock offset: -3.067 ms

Below is generated by plot.py at 2018-01-26 18:39:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 65.631 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 65.294 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 66.281 ms
Loss rate: 3.26%
-- Flow 3:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 69.410 ms
Loss rate: 6.92%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-01-26 15:52:18

End at: 2018-01-26 15:52:48

Local clock offset: 1.152 ms

Remote clock offset: -4.54 ms

Below is generated by plot.py at 2018-01-26 18:39:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 64.591 ms

Loss rate: 9.22%

-- Flow 1:

Average throughput: 79.35 Mbit/s

95th percentile per-packet one-way delay: 64.026 ms

Loss rate: 8.18%

-- Flow 2:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 66.342 ms

Loss rate: 12.23%

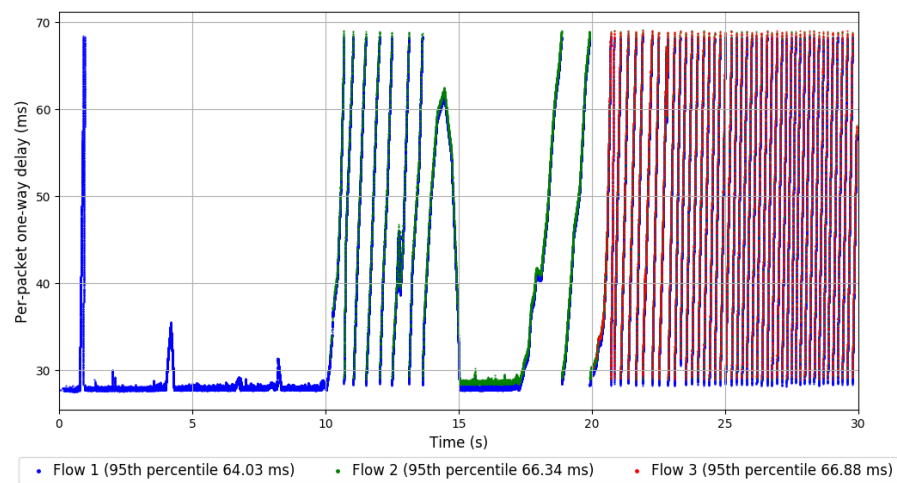
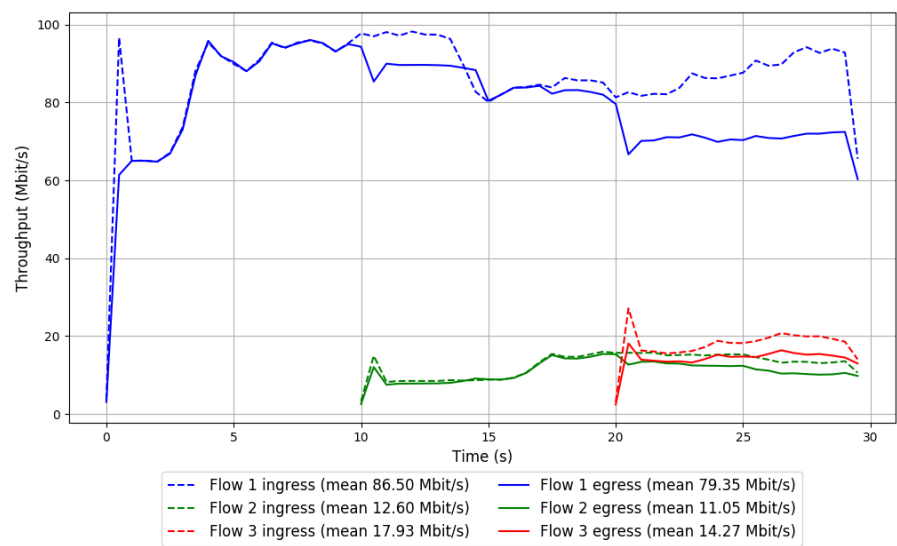
-- Flow 3:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 66.883 ms

Loss rate: 20.19%

Run 5: Report of PCC — Data Link

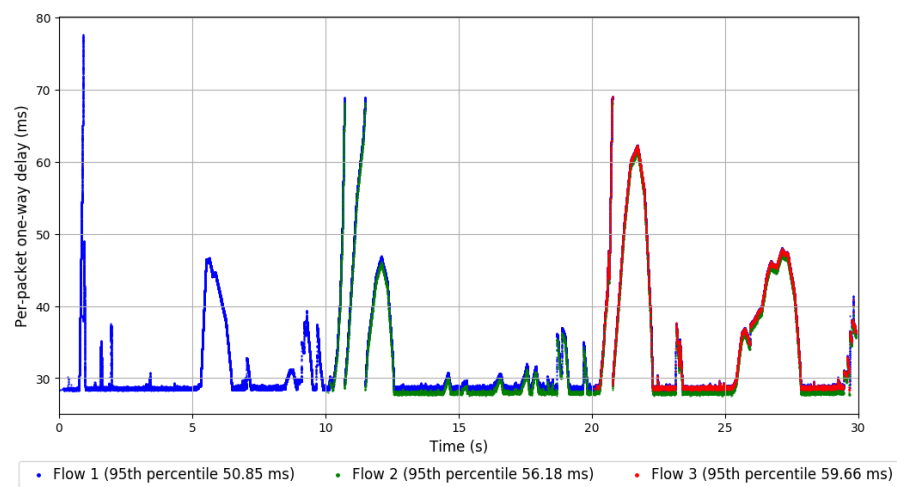
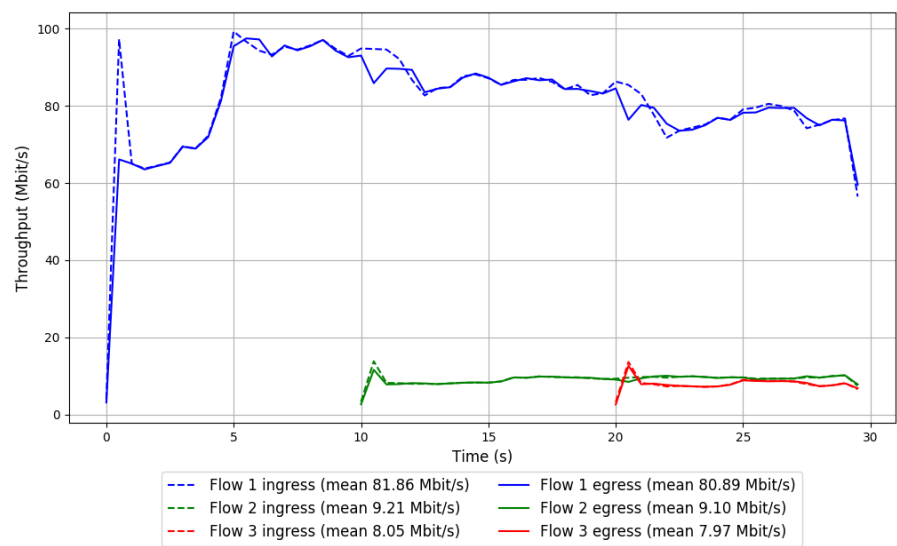


Run 6: Statistics of PCC

Start at: 2018-01-26 16:15:05
End at: 2018-01-26 16:15:35
Local clock offset: 0.968 ms
Remote clock offset: -3.999 ms

Below is generated by plot.py at 2018-01-26 18:39:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 52.228 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 56.179 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 59.664 ms
Loss rate: 0.84%

Run 6: Report of PCC — Data Link

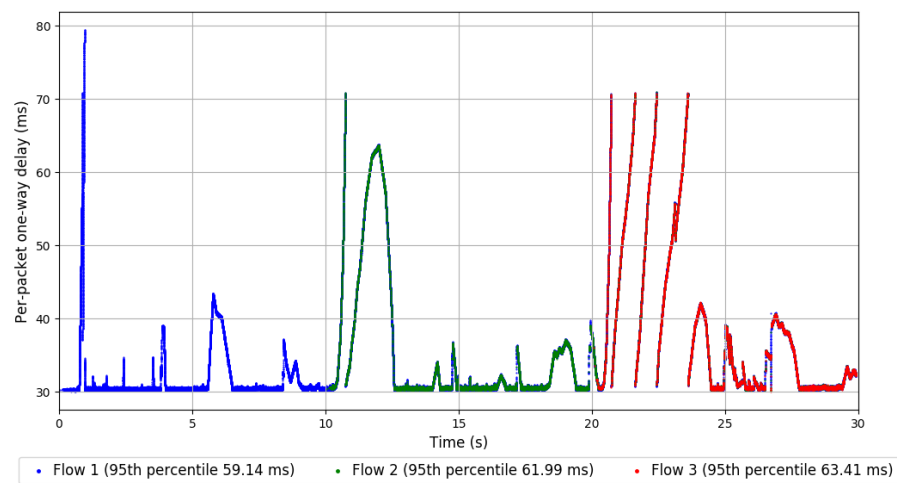
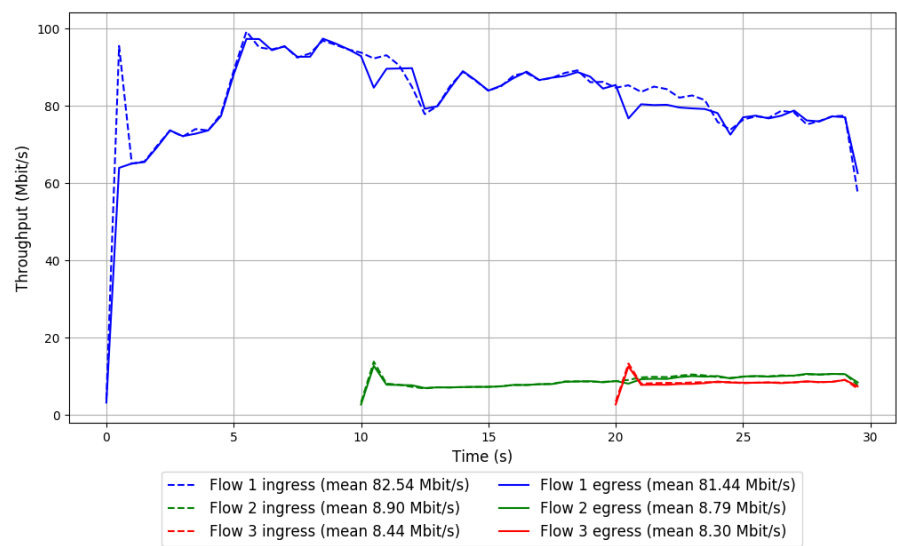


Run 7: Statistics of PCC

Start at: 2018-01-26 16:38:27
End at: 2018-01-26 16:38:57
Local clock offset: 0.839 ms
Remote clock offset: -1.585 ms

Below is generated by plot.py at 2018-01-26 18:39:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 59.634 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 59.140 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 61.992 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 63.405 ms
Loss rate: 1.68%

Run 7: Report of PCC — Data Link

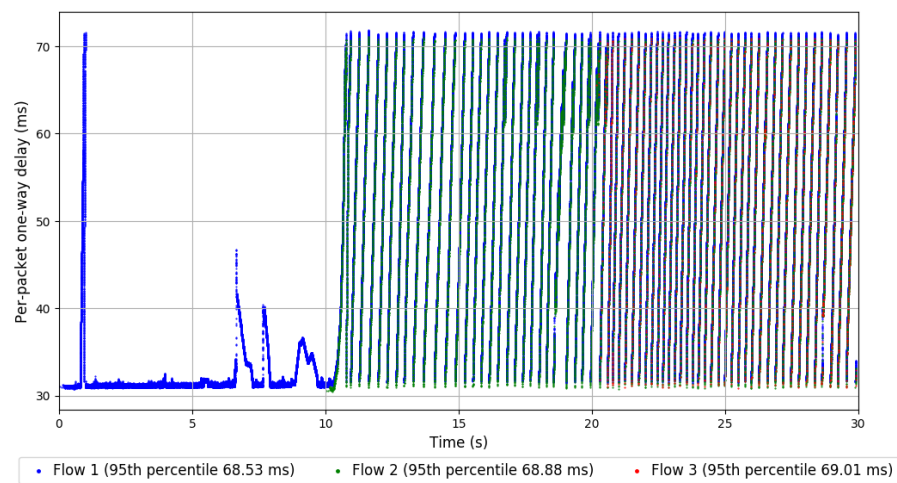
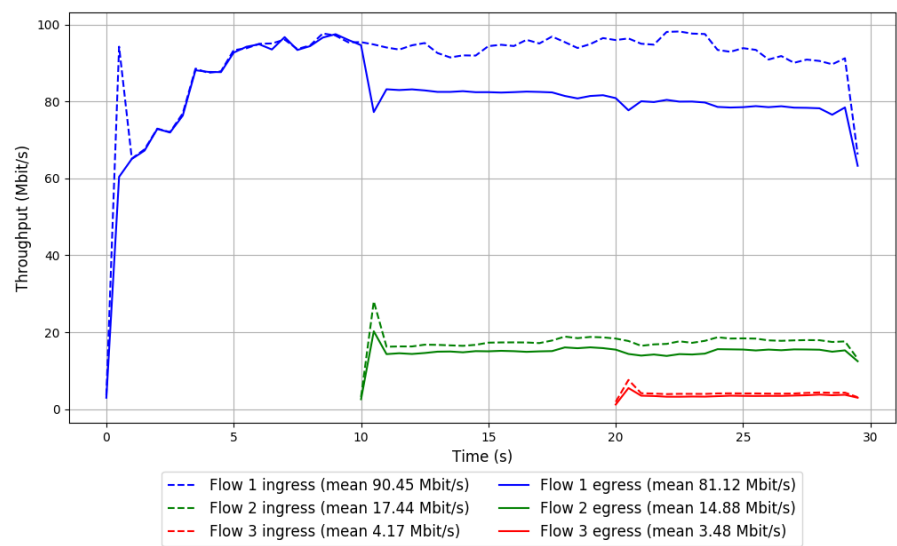


Run 8: Statistics of PCC

Start at: 2018-01-26 17:02:06
End at: 2018-01-26 17:02:36
Local clock offset: 0.852 ms
Remote clock offset: -1.816 ms

Below is generated by plot.py at 2018-01-26 18:39:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 68.599 ms
Loss rate: 10.88%
-- Flow 1:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 68.533 ms
Loss rate: 10.30%
-- Flow 2:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 68.884 ms
Loss rate: 14.67%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 69.012 ms
Loss rate: 16.69%

Run 8: Report of PCC — Data Link

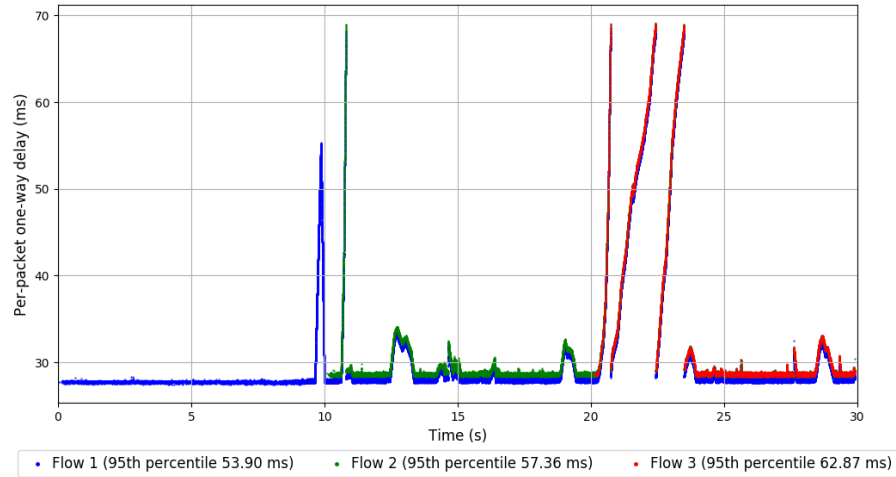
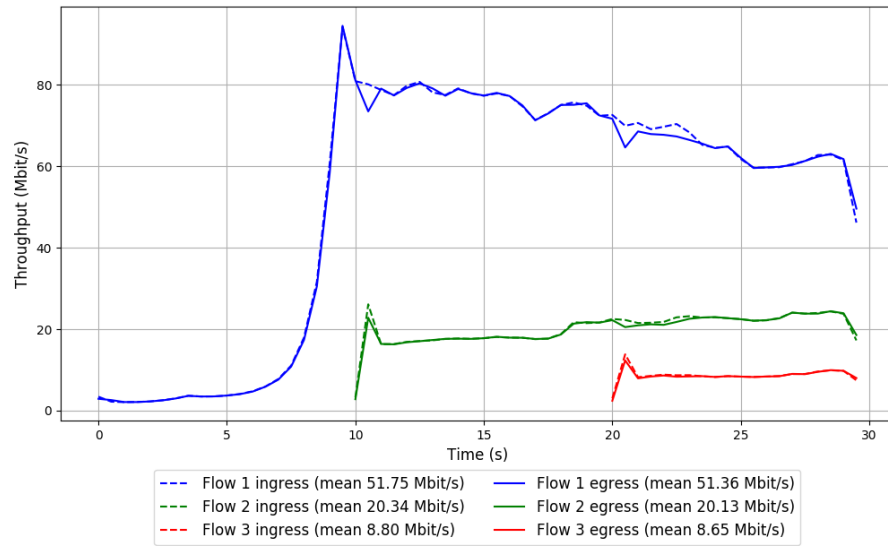


Run 9: Statistics of PCC

Start at: 2018-01-26 17:25:34
End at: 2018-01-26 17:26:04
Local clock offset: 0.782 ms
Remote clock offset: -4.532 ms

Below is generated by plot.py at 2018-01-26 18:40:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 55.324 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 53.898 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 20.13 Mbit/s
95th percentile per-packet one-way delay: 57.356 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 62.867 ms
Loss rate: 1.67%

Run 9: Report of PCC — Data Link

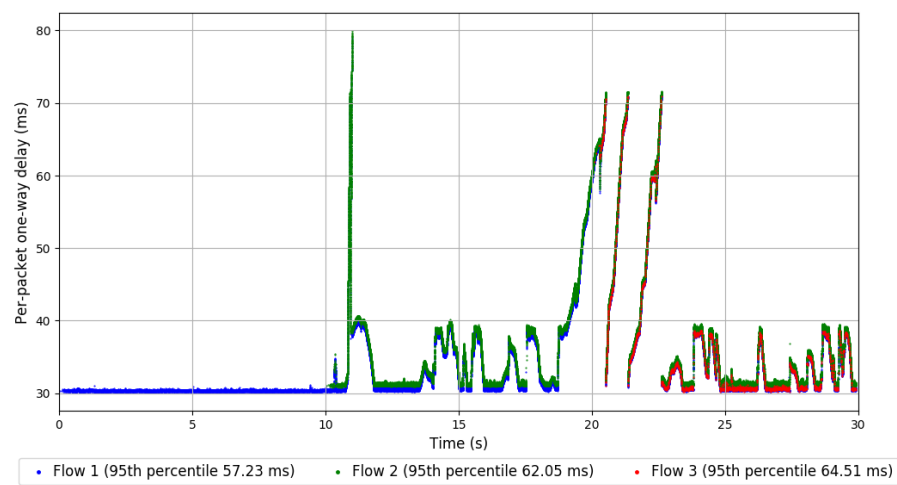
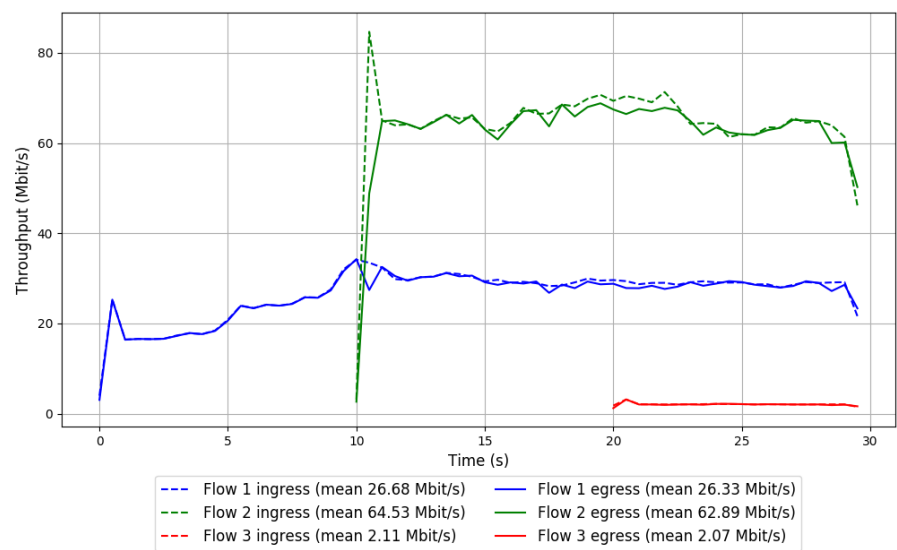


Run 10: Statistics of PCC

Start at: 2018-01-26 17:49:32
End at: 2018-01-26 17:50:02
Local clock offset: 0.91 ms
Remote clock offset: -2.336 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 60.394 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 57.232 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 62.053 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 64.506 ms
Loss rate: 2.30%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

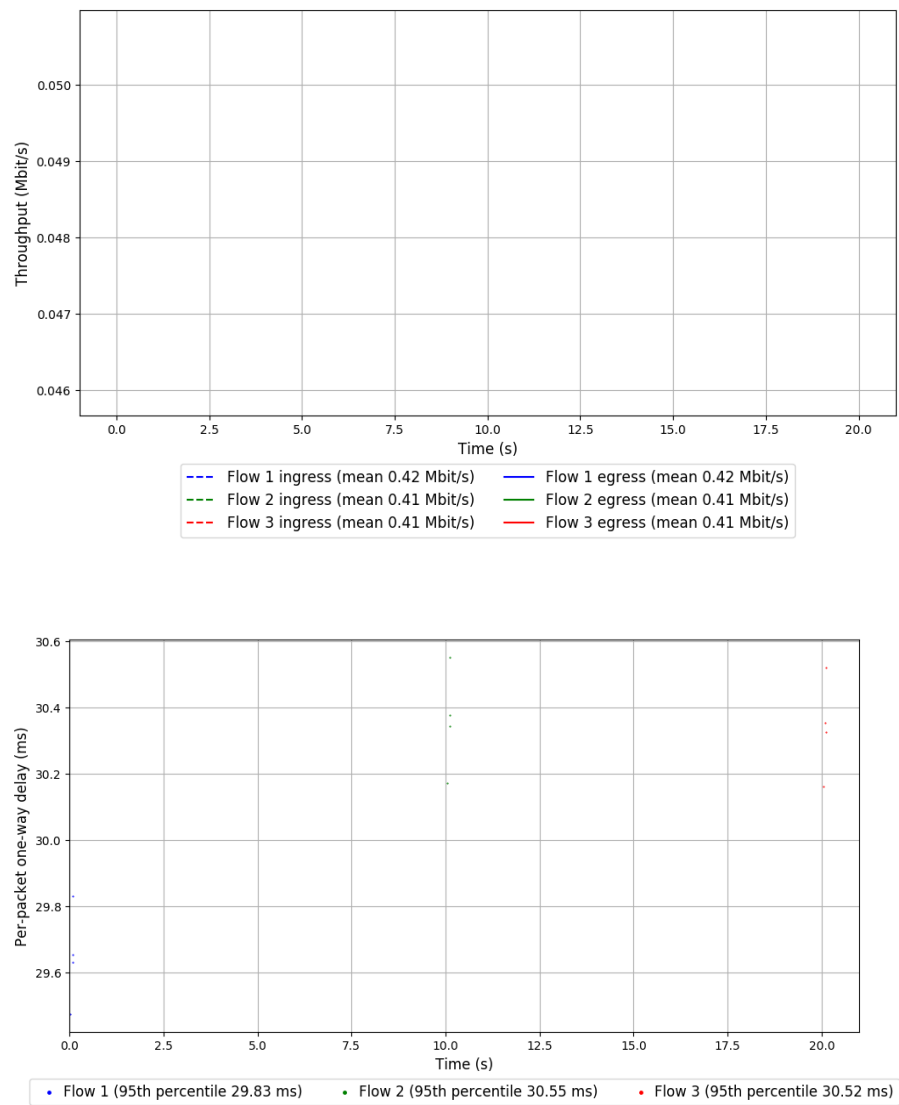
Start at: 2018-01-26 14:25:30

End at: 2018-01-26 14:26:00

Local clock offset: 1.738 ms

Remote clock offset: -1.307 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

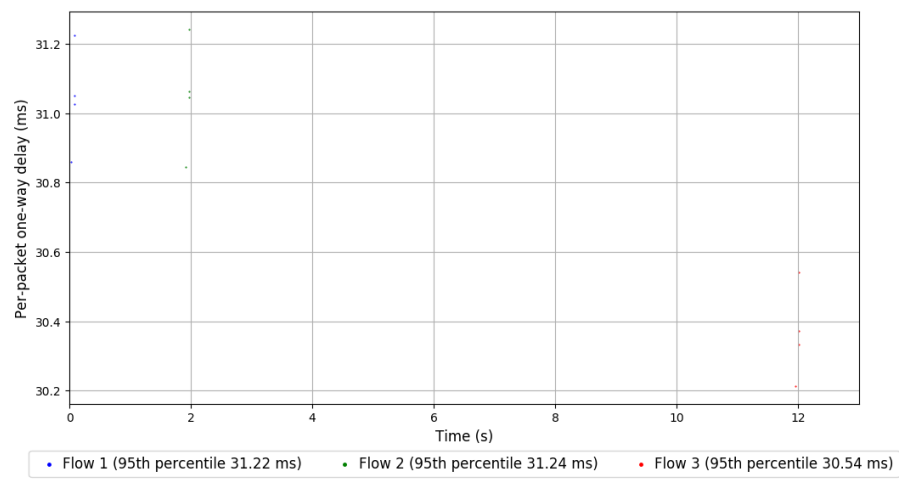
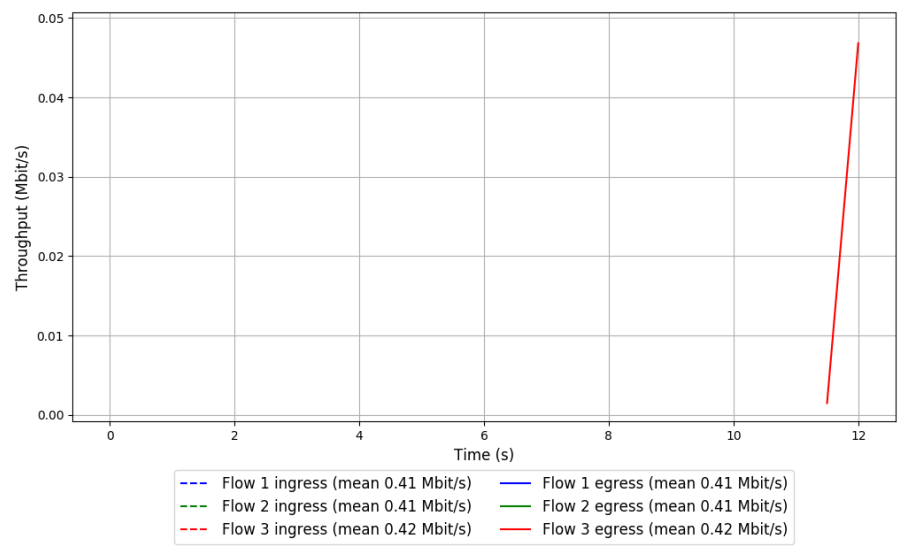
Start at: 2018-01-26 14:48:02

End at: 2018-01-26 14:48:32

Local clock offset: 1.587 ms

Remote clock offset: -1.134 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

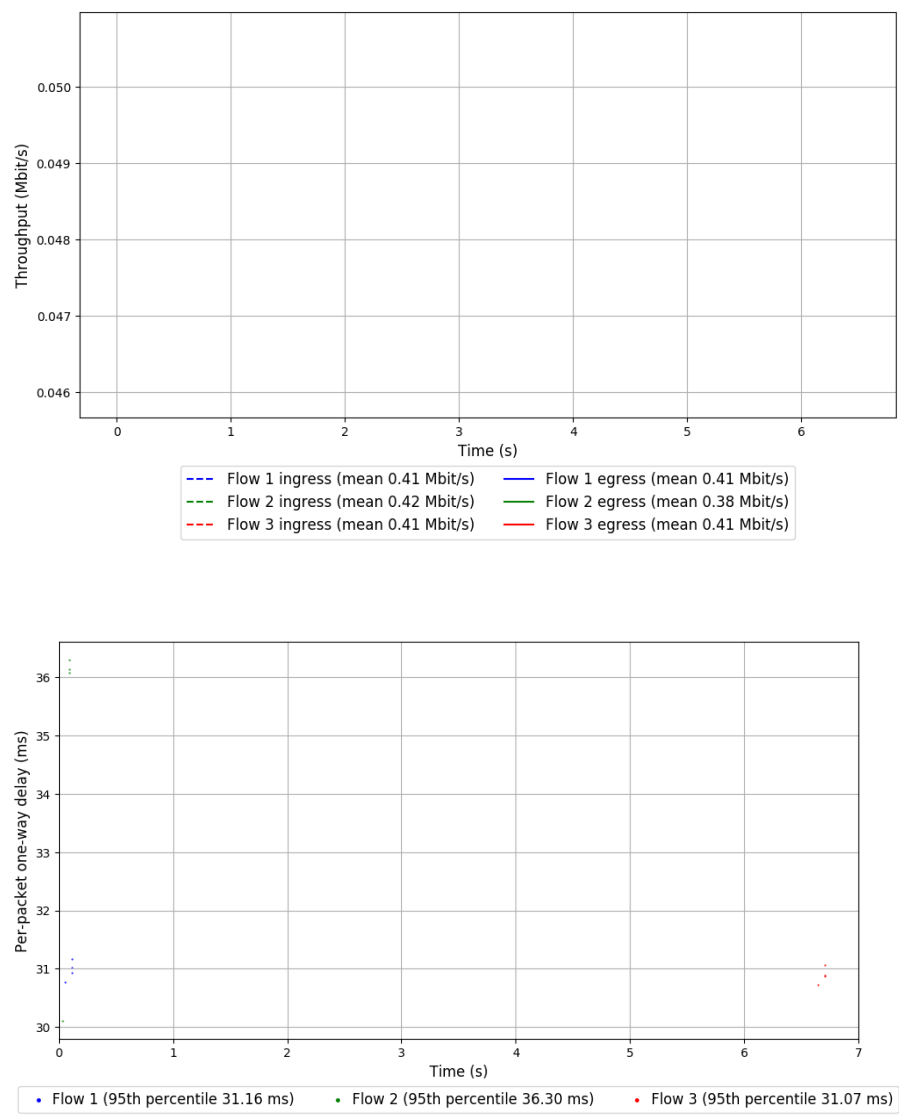
Start at: 2018-01-26 15:11:54

End at: 2018-01-26 15:12:24

Local clock offset: 1.525 ms

Remote clock offset: -1.855 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

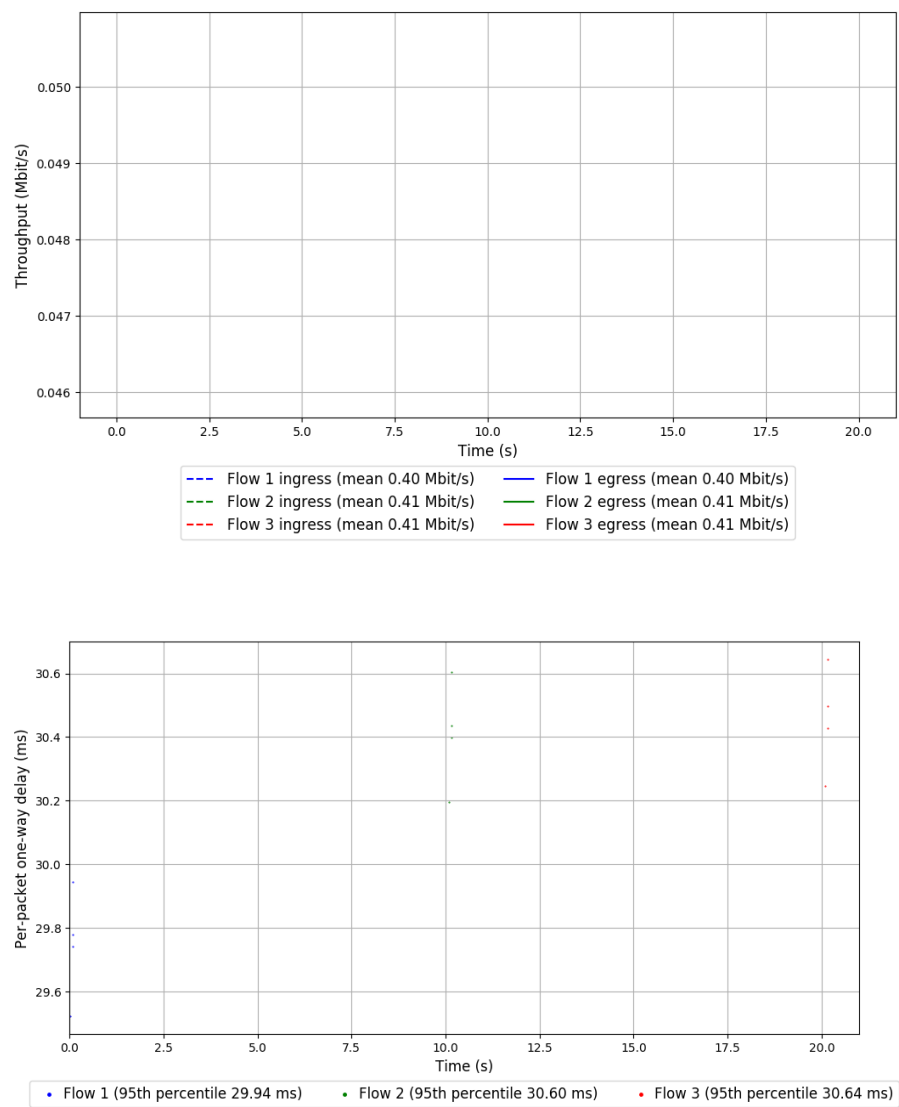
Start at: 2018-01-26 15:36:11

End at: 2018-01-26 15:36:41

Local clock offset: 1.315 ms

Remote clock offset: -2.95 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

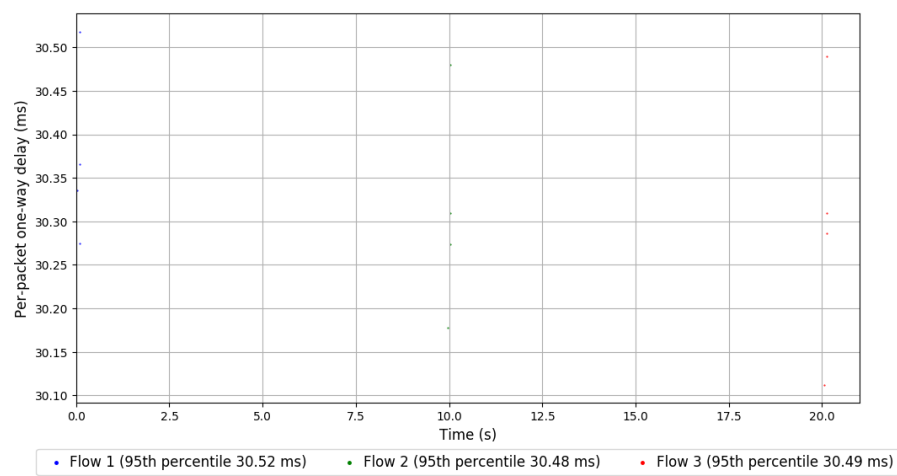
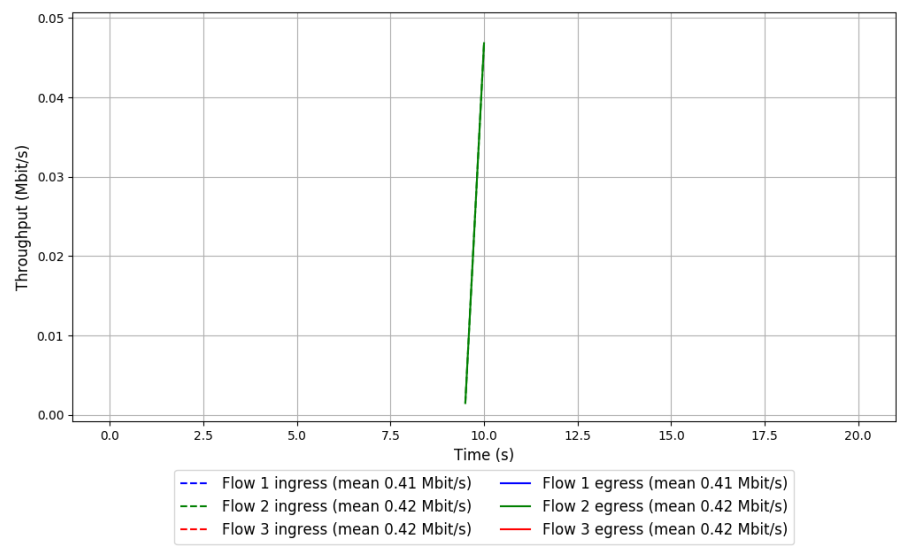
Start at: 2018-01-26 15:59:32

End at: 2018-01-26 16:00:02

Local clock offset: 1.098 ms

Remote clock offset: -1.752 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

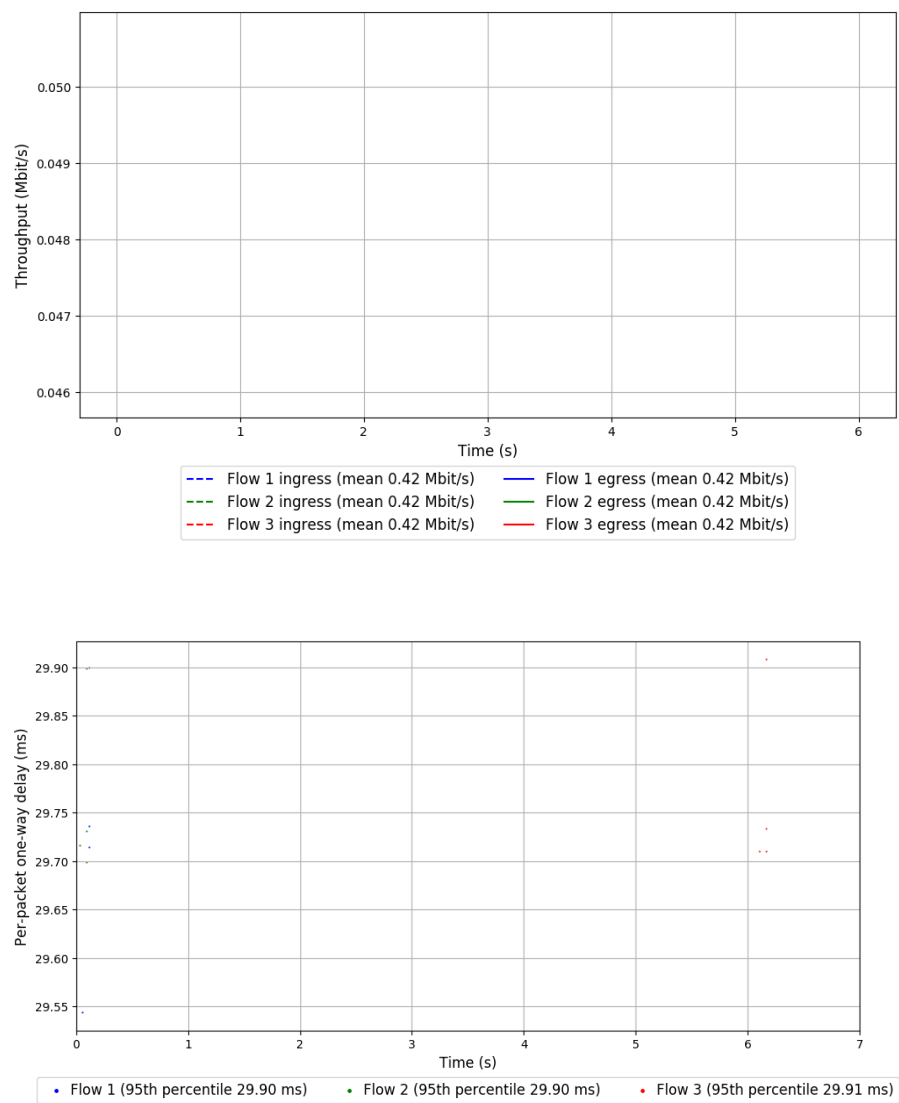
Start at: 2018-01-26 16:22:29

End at: 2018-01-26 16:22:59

Local clock offset: 0.94 ms

Remote clock offset: -1.934 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

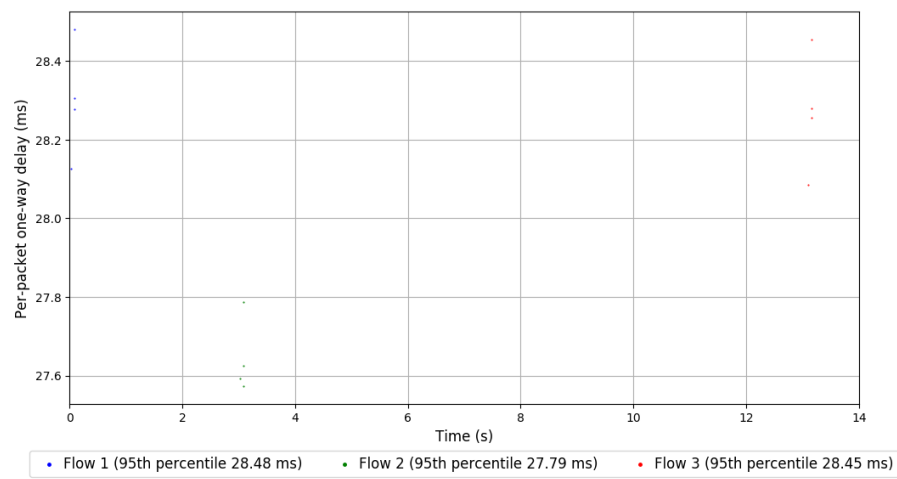
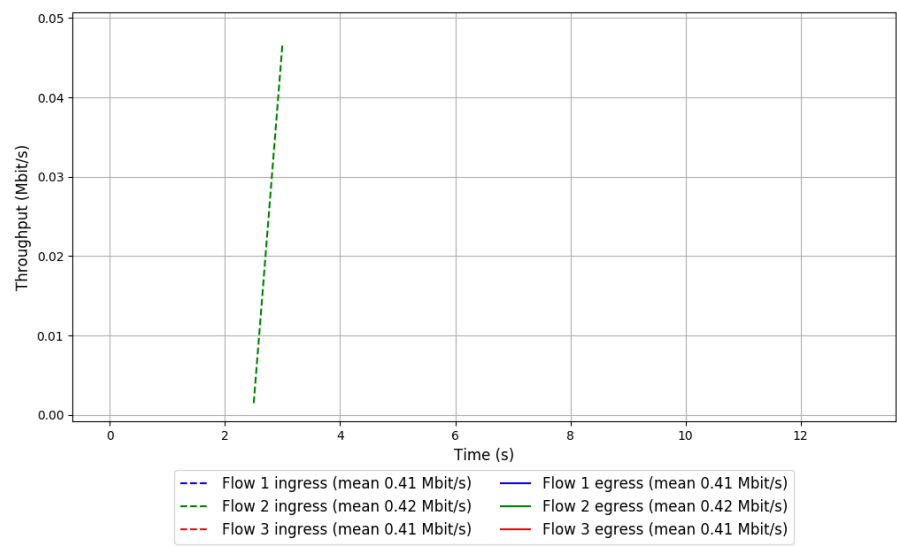
Start at: 2018-01-26 16:46:05

End at: 2018-01-26 16:46:35

Local clock offset: 0.787 ms

Remote clock offset: -4.347 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

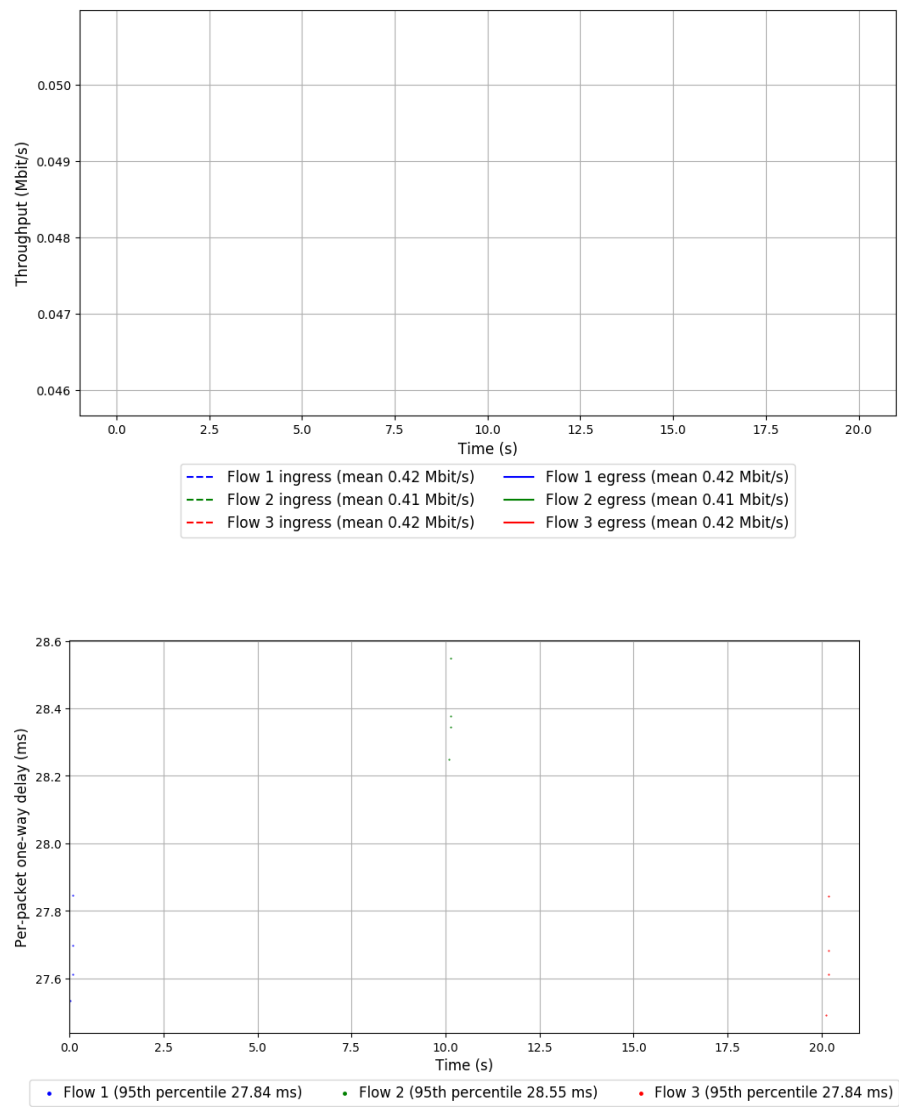
Start at: 2018-01-26 17:09:18

End at: 2018-01-26 17:09:48

Local clock offset: 0.862 ms

Remote clock offset: -4.48 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

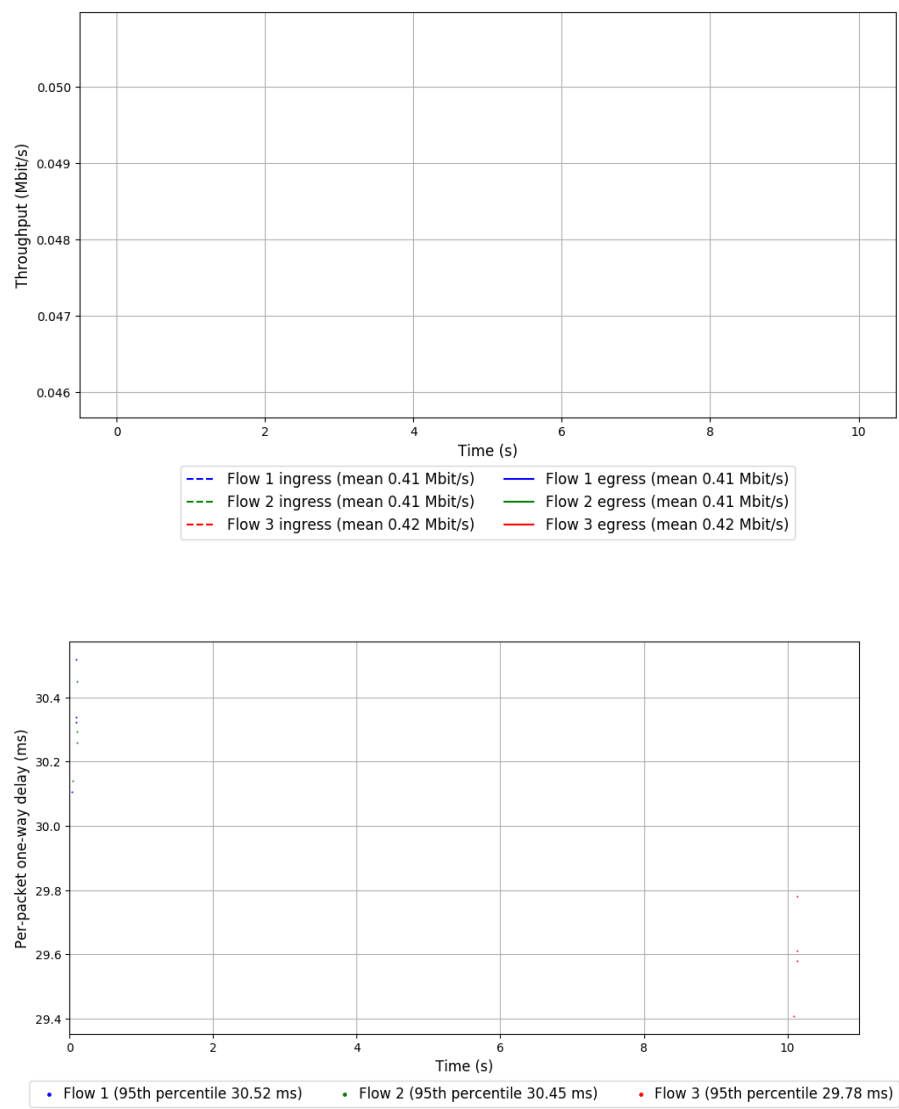
Start at: 2018-01-26 17:32:50

End at: 2018-01-26 17:33:20

Local clock offset: 0.92 ms

Remote clock offset: -2.608 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

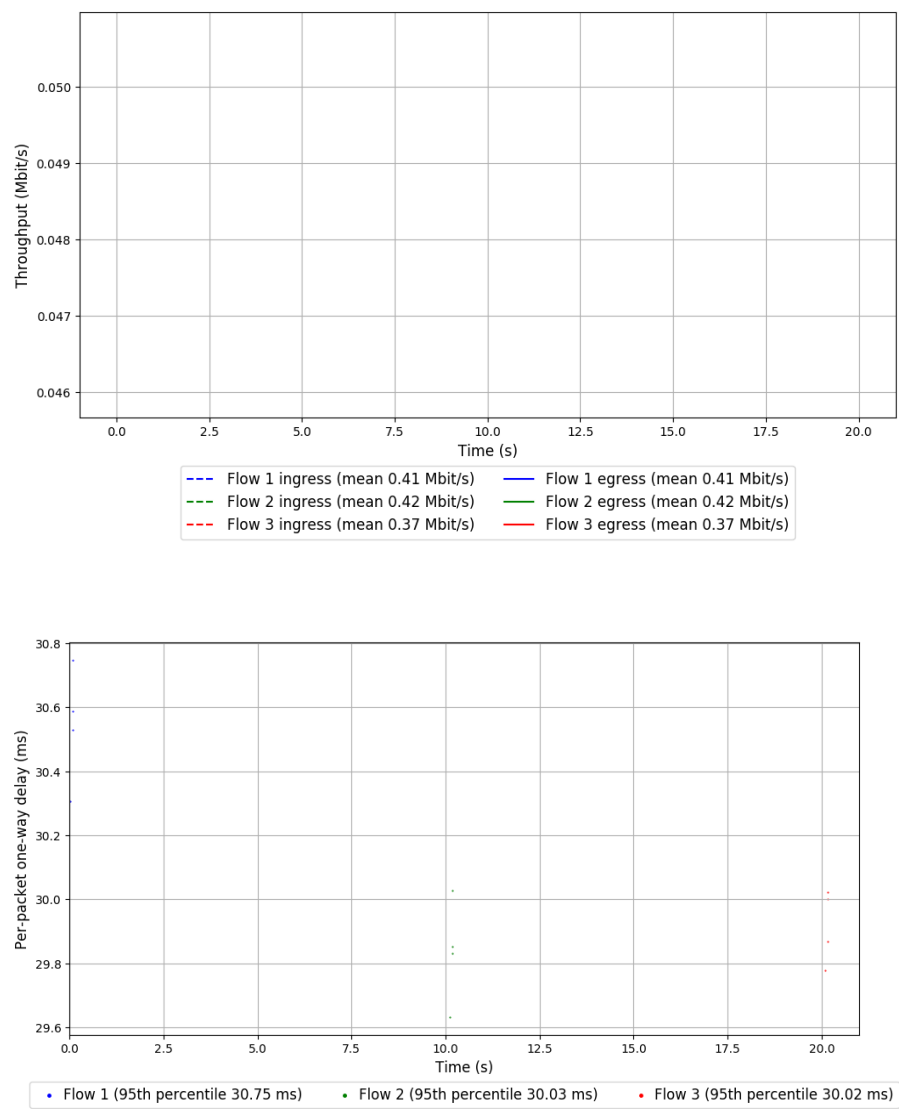
Start at: 2018-01-26 17:57:12

End at: 2018-01-26 17:57:42

Local clock offset: 0.908 ms

Remote clock offset: -2.962 ms

Run 10: Report of QUIC Cubic — Data Link

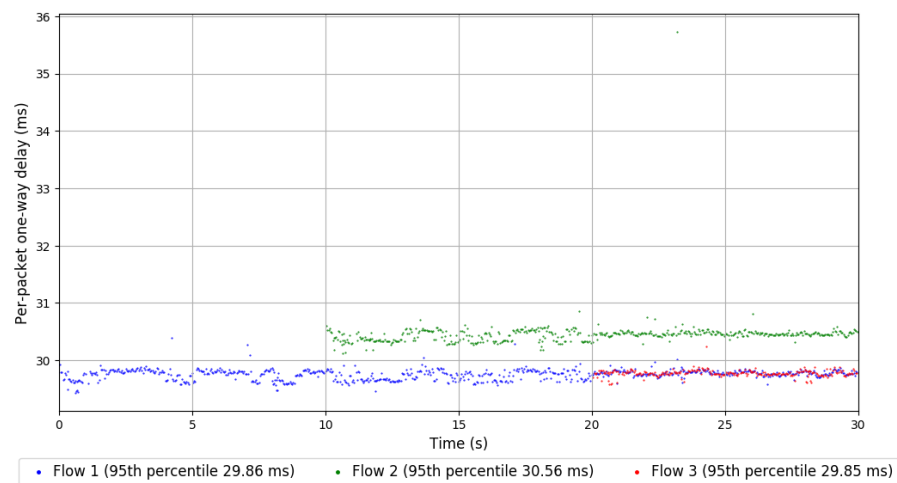
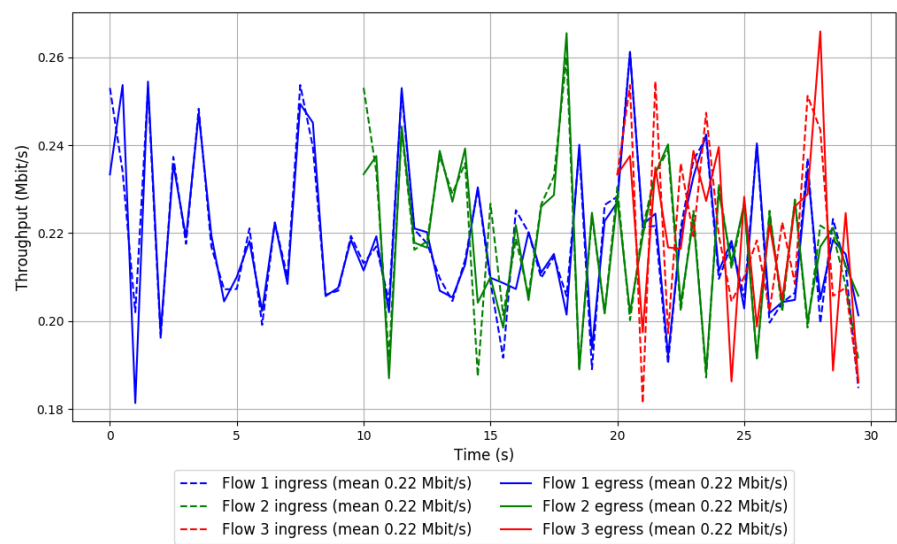


Run 1: Statistics of SReAM

Start at: 2018-01-26 14:17:10
End at: 2018-01-26 14:17:40
Local clock offset: 1.793 ms
Remote clock offset: -1.102 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.850 ms
Loss rate: 0.00%

Run 1: Report of SCRaM — Data Link

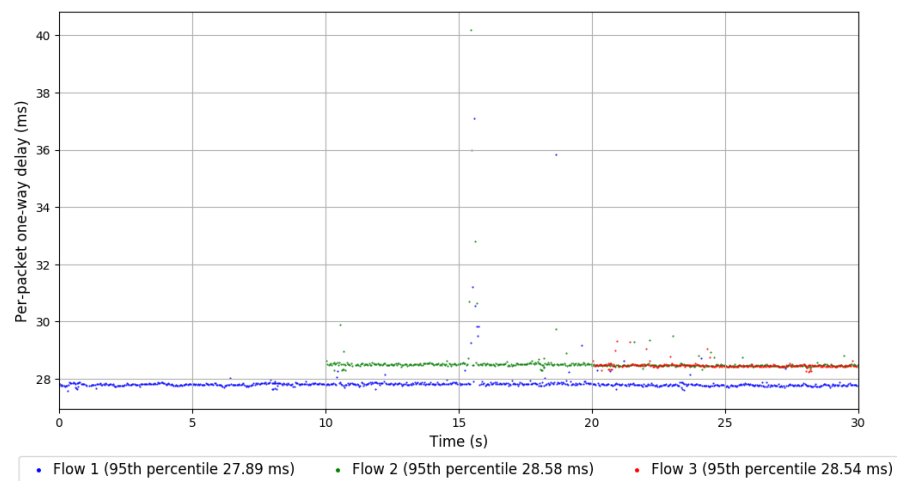
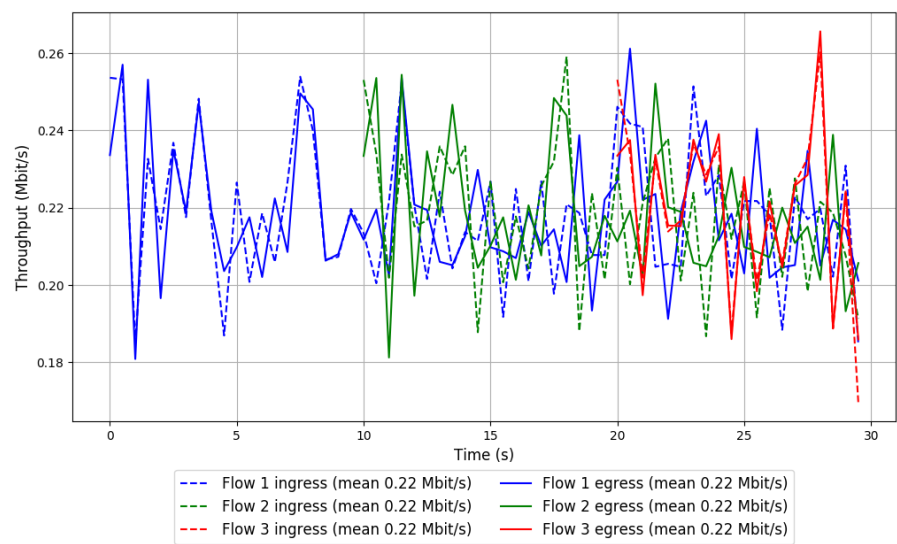


Run 2: Statistics of SReAM

Start at: 2018-01-26 14:39:18
End at: 2018-01-26 14:39:48
Local clock offset: 1.713 ms
Remote clock offset: -3.618 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.538 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

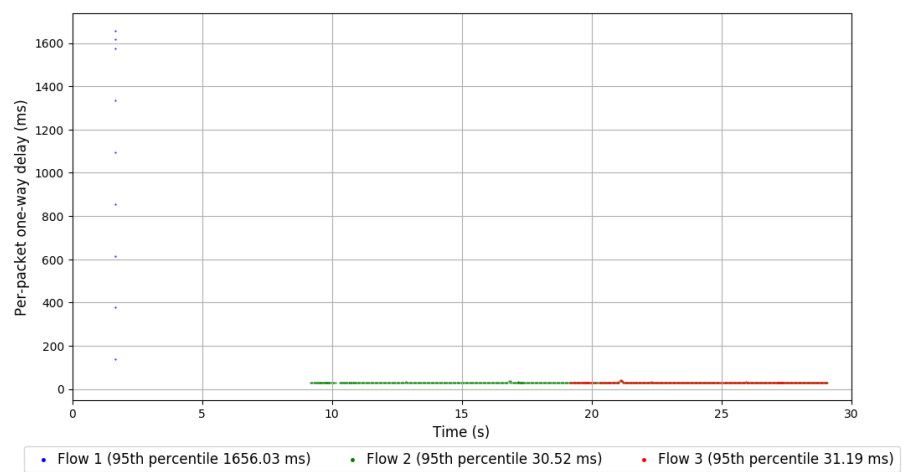
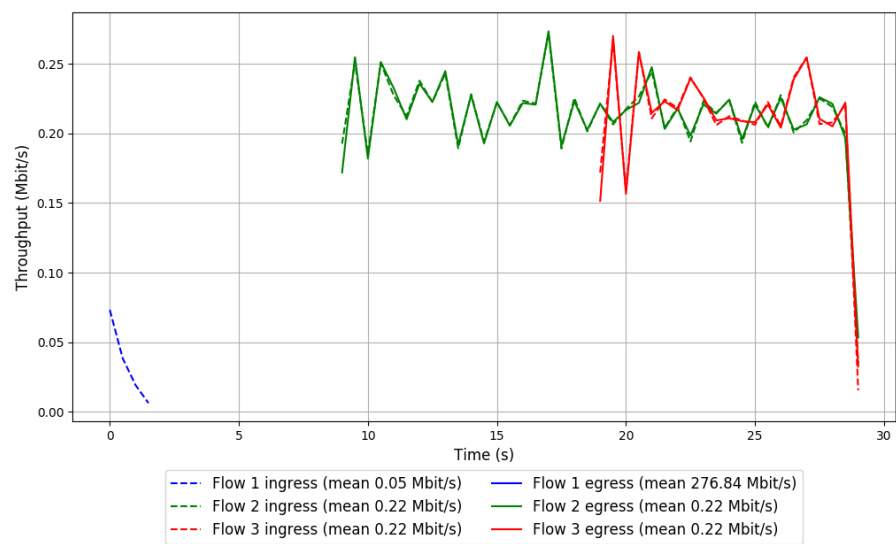


Run 3: Statistics of SReAM

Start at: 2018-01-26 15:03:11
End at: 2018-01-26 15:03:41
Local clock offset: 1.471 ms
Remote clock offset: -1.562 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 31.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.84 Mbit/s
95th percentile per-packet one-way delay: 1656.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.518 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.190 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

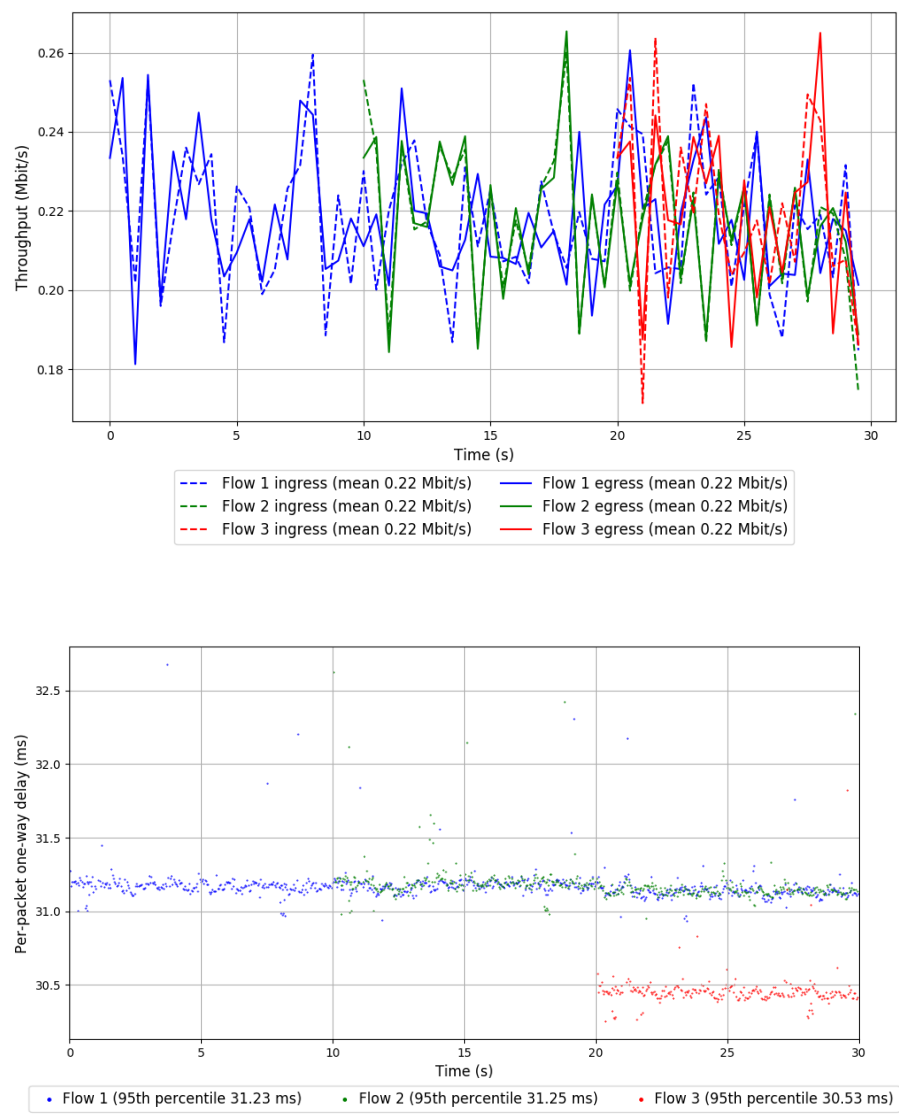


Run 4: Statistics of SReAM

Start at: 2018-01-26 15:27:15
End at: 2018-01-26 15:27:45
Local clock offset: 1.322 ms
Remote clock offset: -2.473 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.530 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

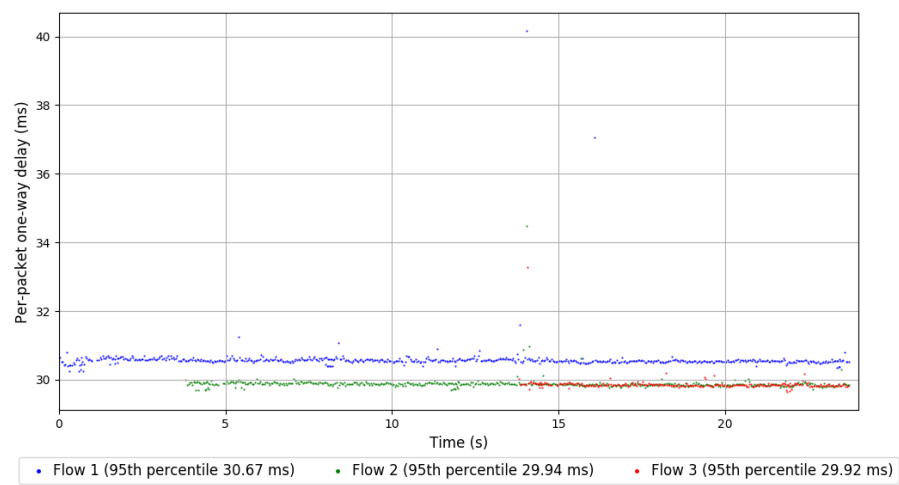
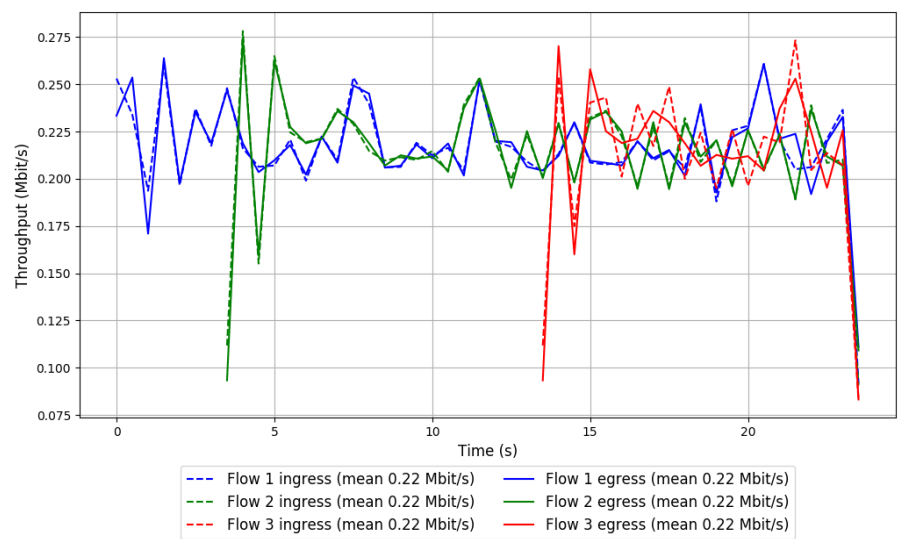
Start at: 2018-01-26 15:51:01

End at: 2018-01-26 15:51:31

Local clock offset: 1.084 ms

Remote clock offset: -2.602 ms

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

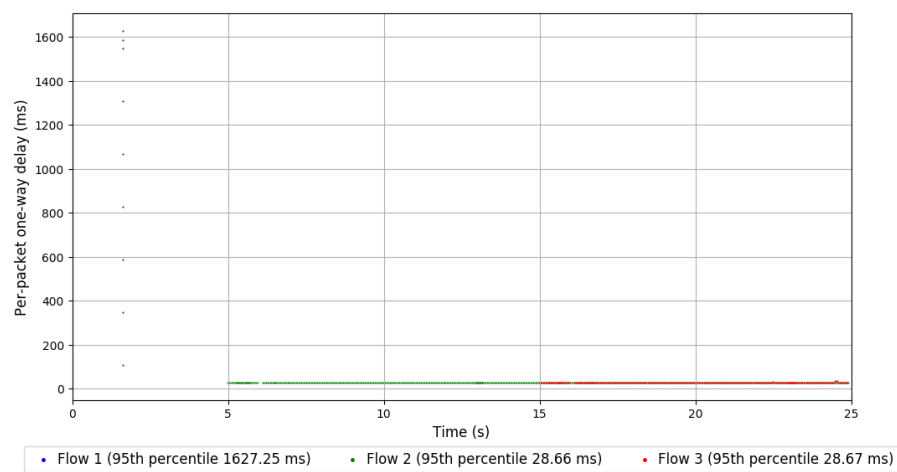
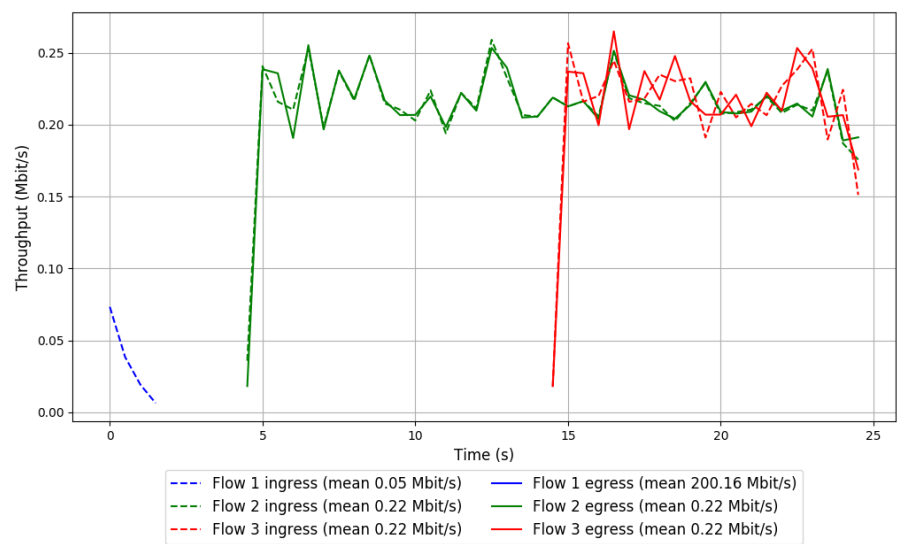
Start at: 2018-01-26 16:13:48

End at: 2018-01-26 16:14:18

Local clock offset: 0.872 ms

Remote clock offset: -4.098 ms

Run 6: Report of SReAM — Data Link

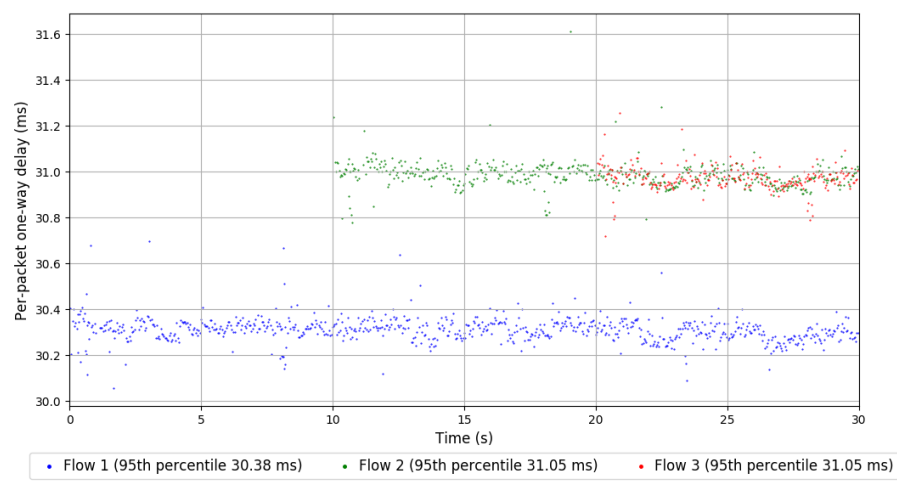
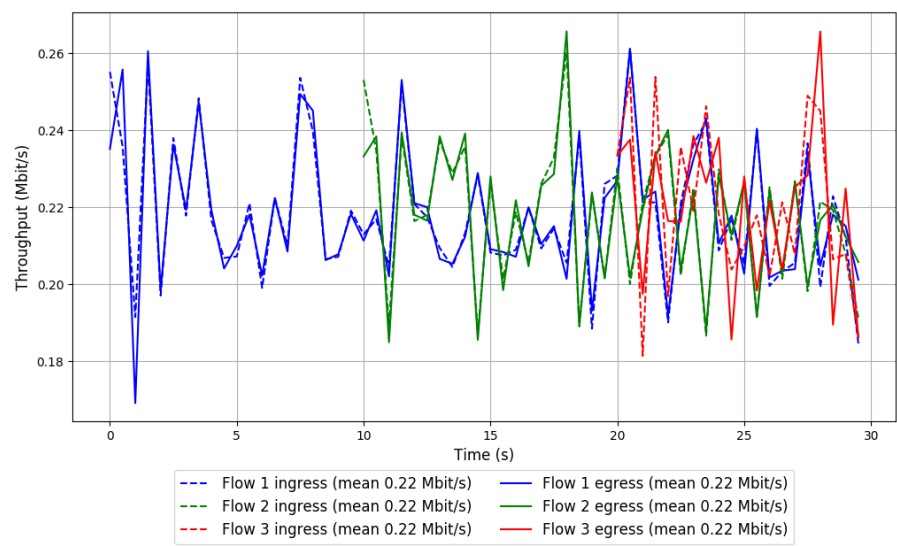


Run 7: Statistics of SReAM

Start at: 2018-01-26 16:37:10
End at: 2018-01-26 16:37:40
Local clock offset: 0.836 ms
Remote clock offset: -1.694 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.050 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

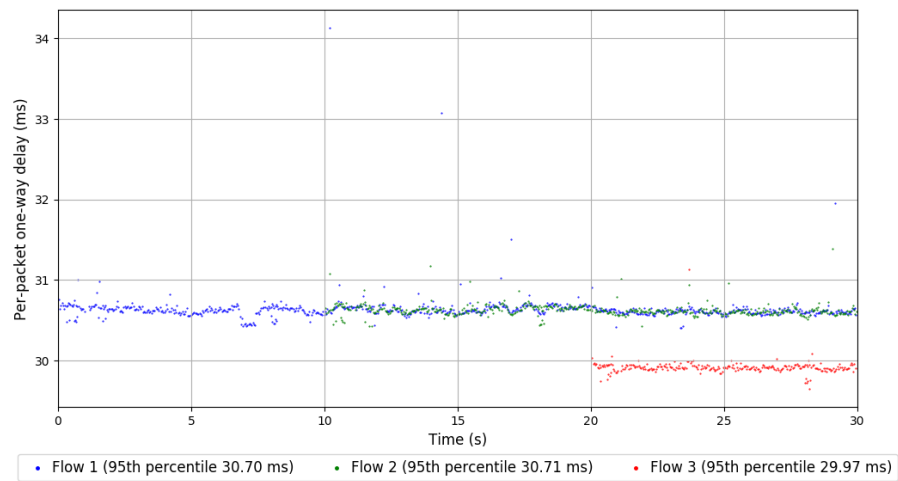
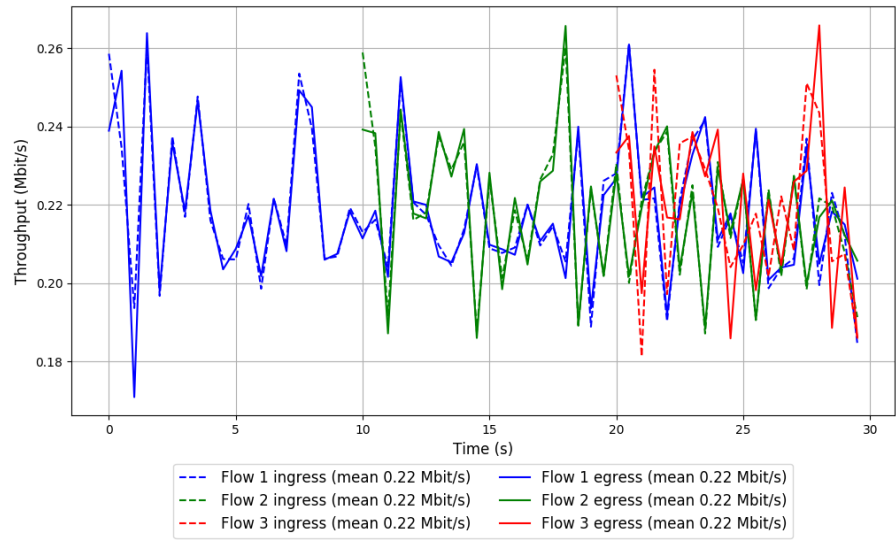


Run 8: Statistics of SReAM

Start at: 2018-01-26 17:00:49
End at: 2018-01-26 17:01:19
Local clock offset: 0.766 ms
Remote clock offset: -2.374 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.974 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

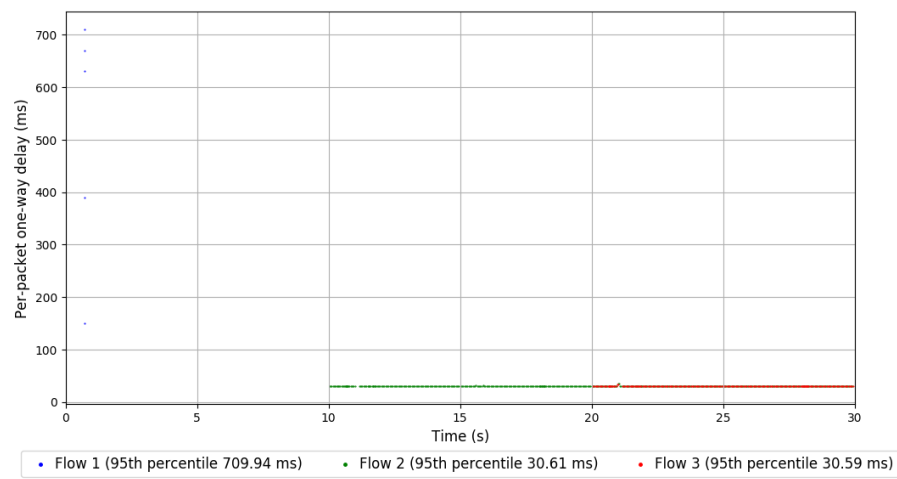
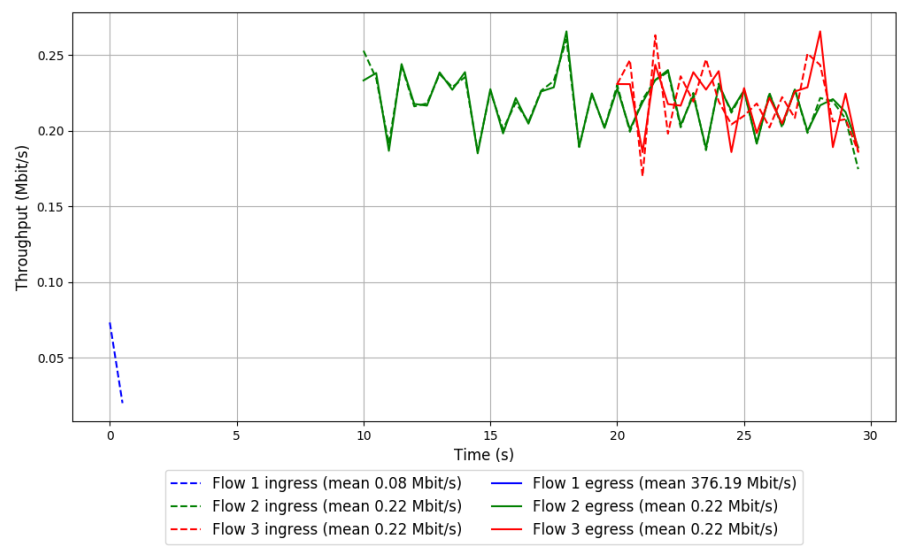


Run 9: Statistics of SReAM

Start at: 2018-01-26 17:24:17
End at: 2018-01-26 17:24:47
Local clock offset: 0.752 ms
Remote clock offset: -1.877 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 30.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 376.19 Mbit/s
95th percentile per-packet one-way delay: 709.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.585 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

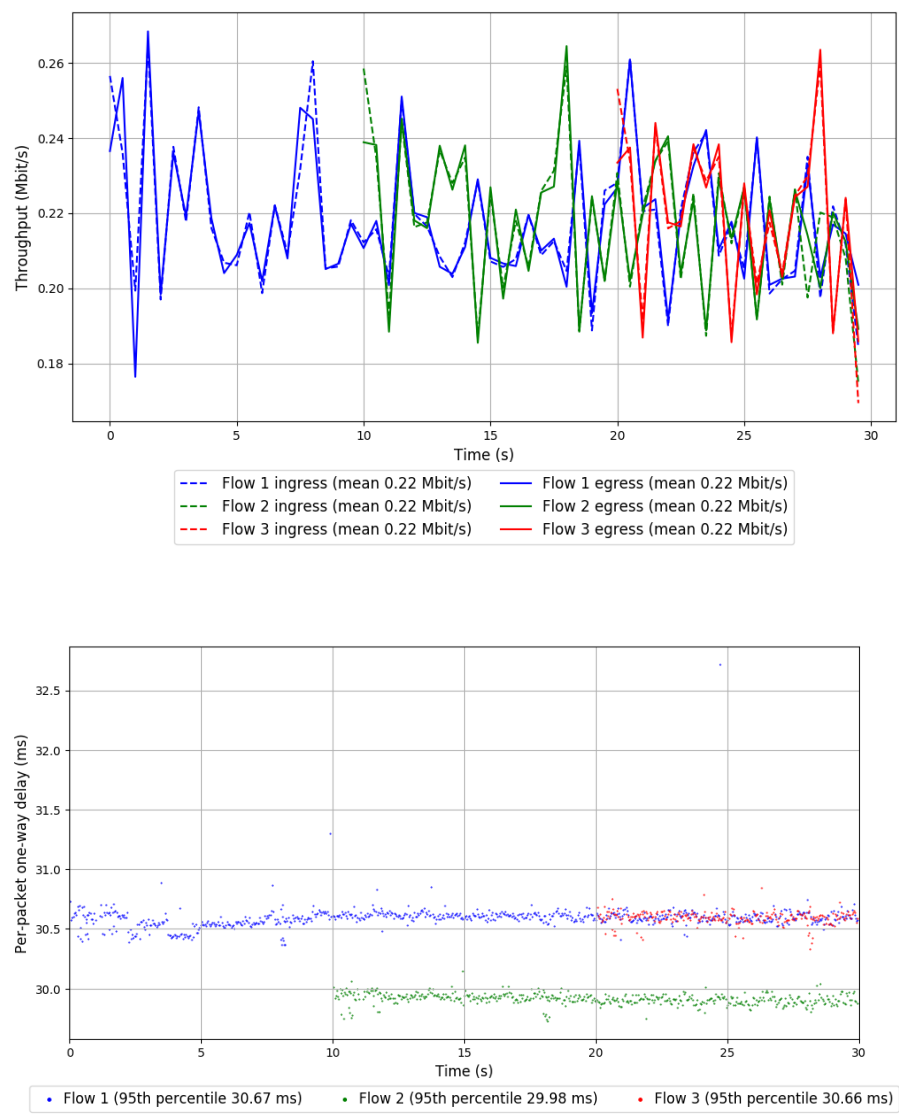


Run 10: Statistics of SReAM

Start at: 2018-01-26 17:48:15
End at: 2018-01-26 17:48:45
Local clock offset: 0.906 ms
Remote clock offset: -2.846 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.669 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.656 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

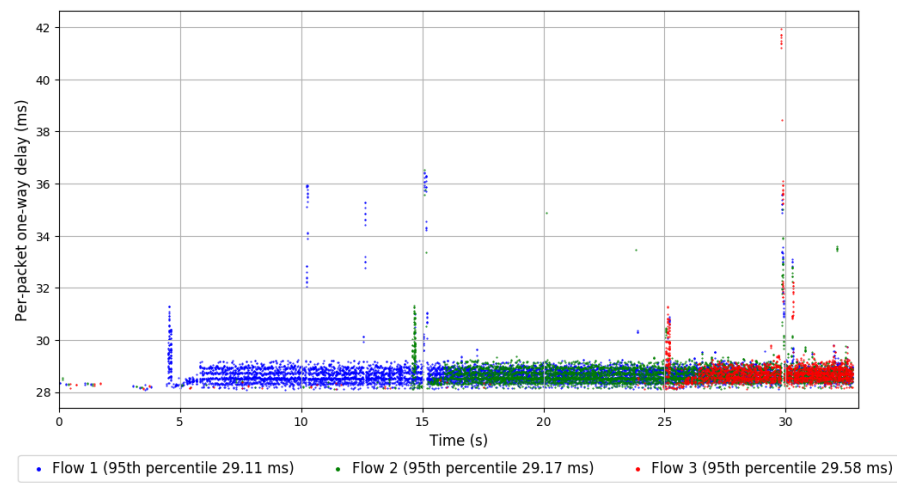
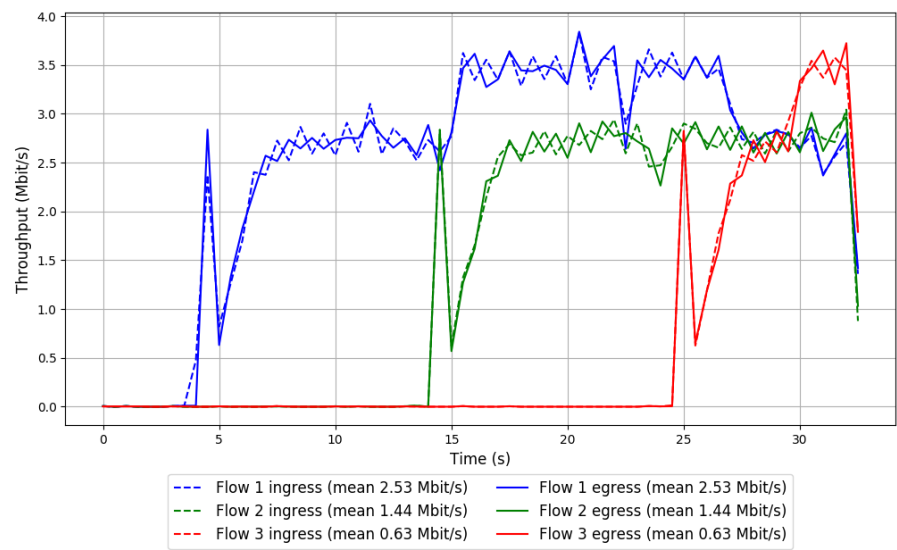


Run 1: Statistics of WebRTC media

Start at: 2018-01-26 14:29:34
End at: 2018-01-26 14:30:04
Local clock offset: 1.726 ms
Remote clock offset: -3.489 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 29.159 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 29.105 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 29.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 29.580 ms
Loss rate: 0.10%

Run 1: Report of WebRTC media — Data Link

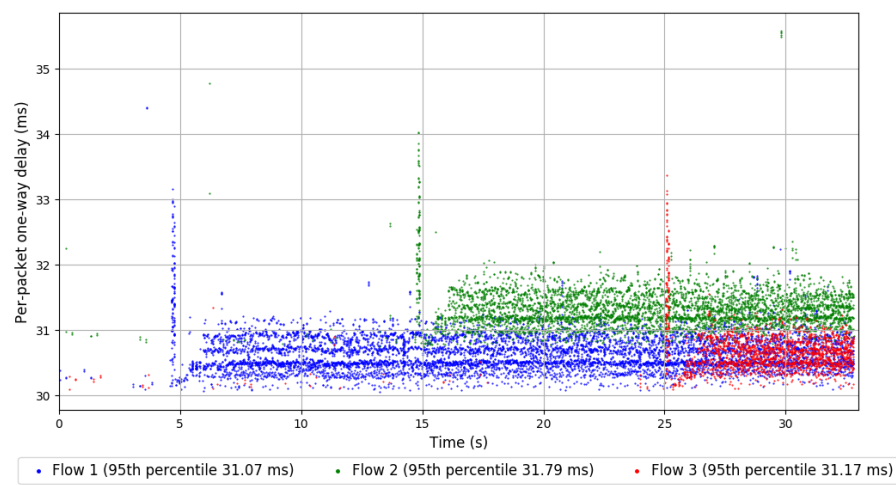
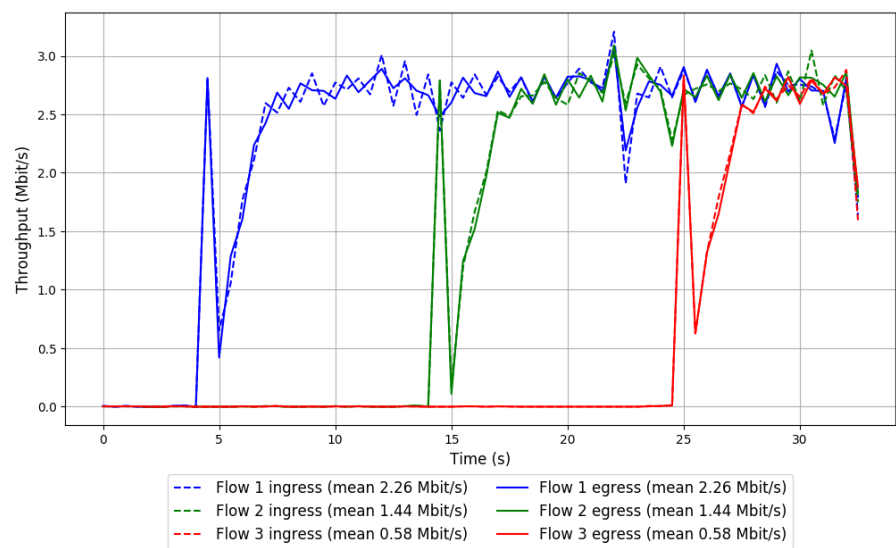


Run 2: Statistics of WebRTC media

Start at: 2018-01-26 14:52:27
End at: 2018-01-26 14:52:57
Local clock offset: 1.573 ms
Remote clock offset: -1.229 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 31.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 31.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 31.174 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

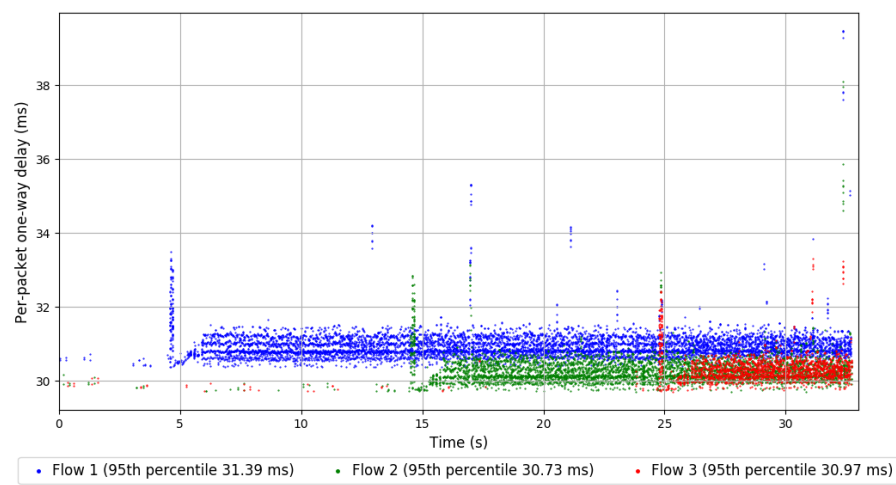
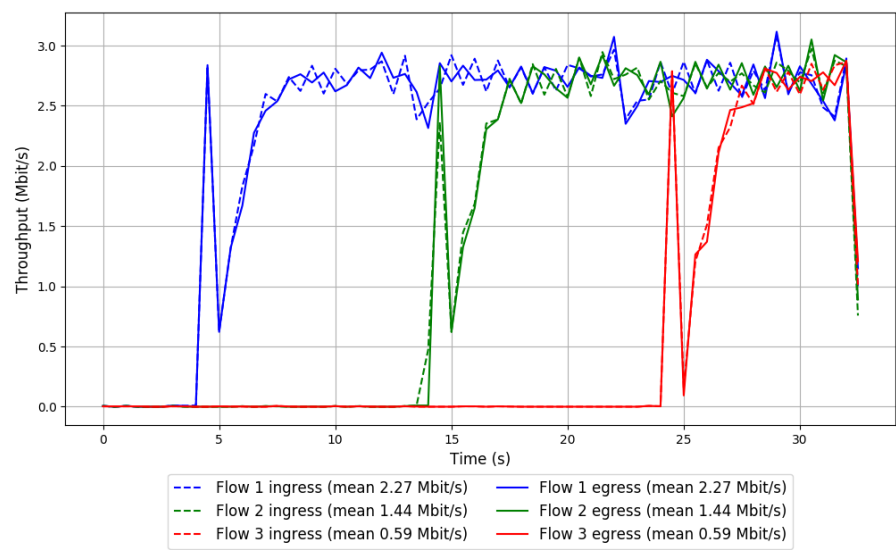


Run 3: Statistics of WebRTC media

Start at: 2018-01-26 15:16:12
End at: 2018-01-26 15:16:42
Local clock offset: 1.38 ms
Remote clock offset: -2.514 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 31.291 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.387 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 30.967 ms
Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

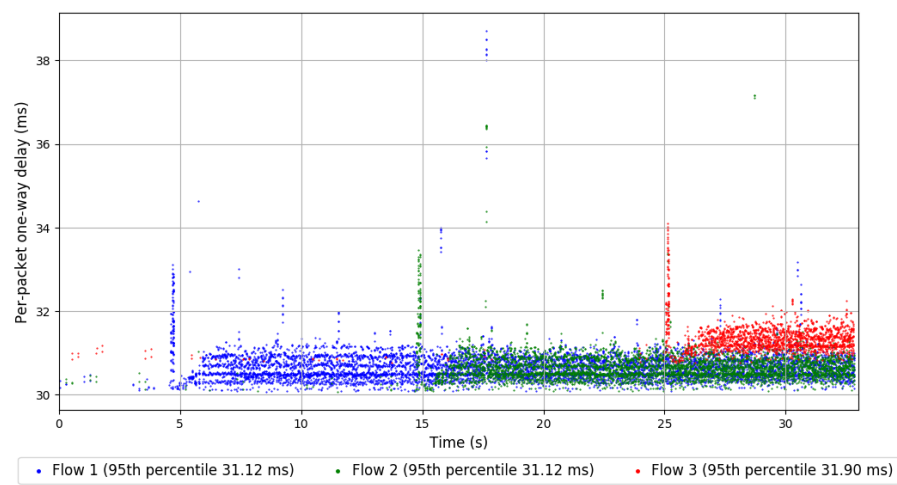
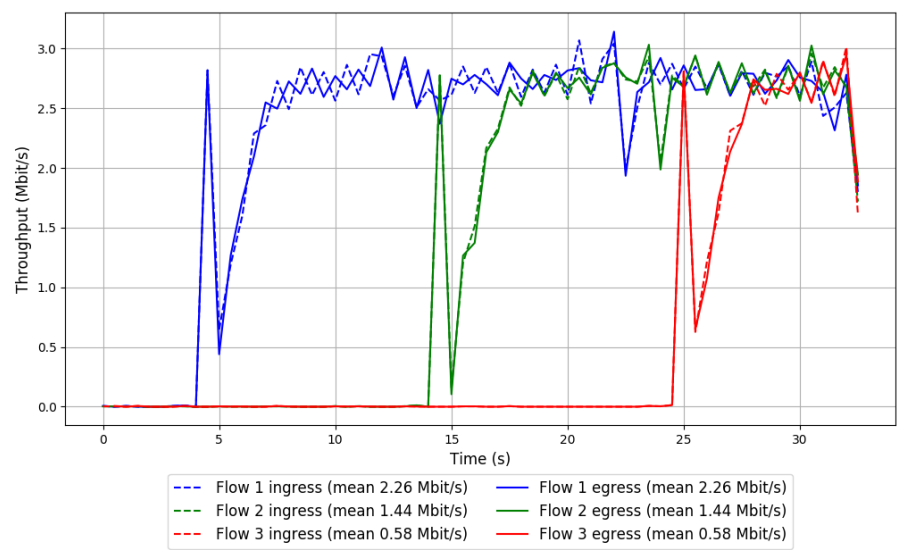


Run 4: Statistics of WebRTC media

Start at: 2018-01-26 15:40:29
End at: 2018-01-26 15:40:59
Local clock offset: 1.289 ms
Remote clock offset: -2.247 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 31.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 31.902 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-01-26 16:03:37

End at: 2018-01-26 16:04:07

Local clock offset: 1.116 ms

Remote clock offset: -2.22 ms

Below is generated by plot.py at 2018-01-26 18:40:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 30.506 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 30.493 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 30.468 ms

Loss rate: 0.02%

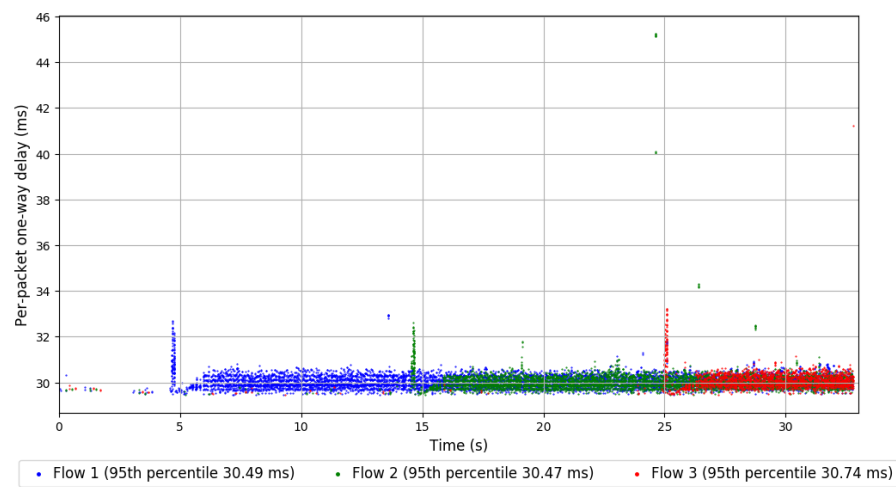
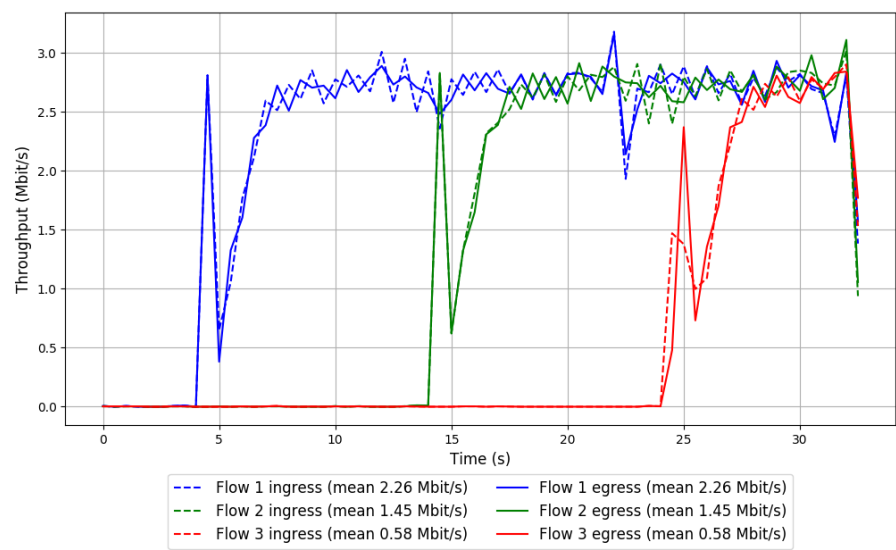
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 30.743 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

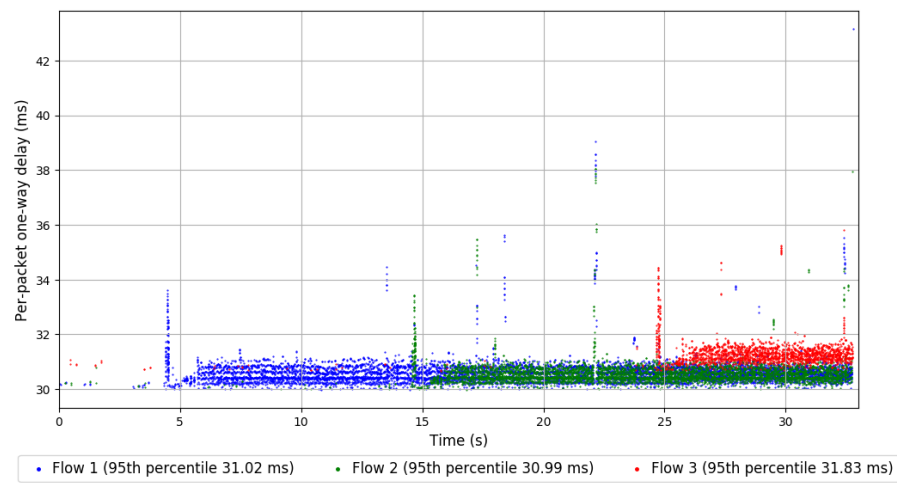
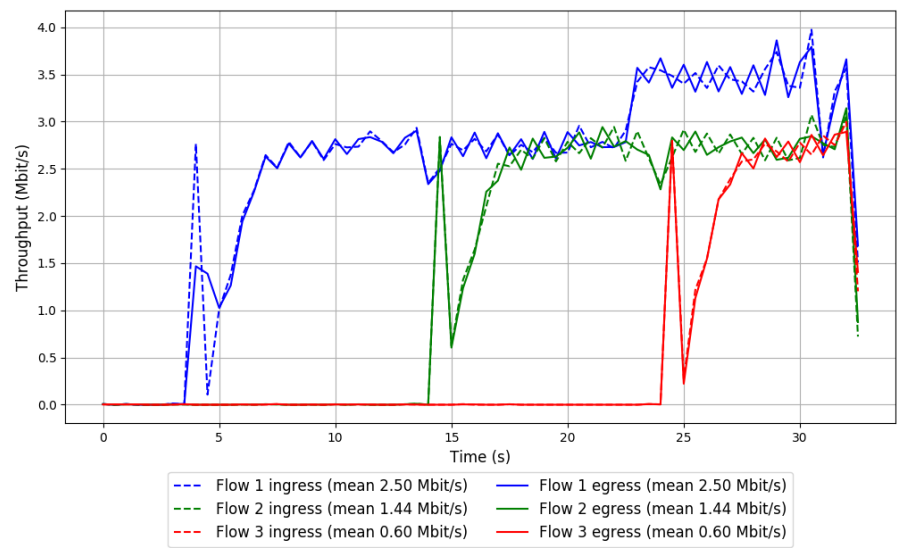


Run 6: Statistics of WebRTC media

Start at: 2018-01-26 16:26:38
End at: 2018-01-26 16:27:08
Local clock offset: 0.874 ms
Remote clock offset: -1.566 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 31.454 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 31.015 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.994 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 31.832 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

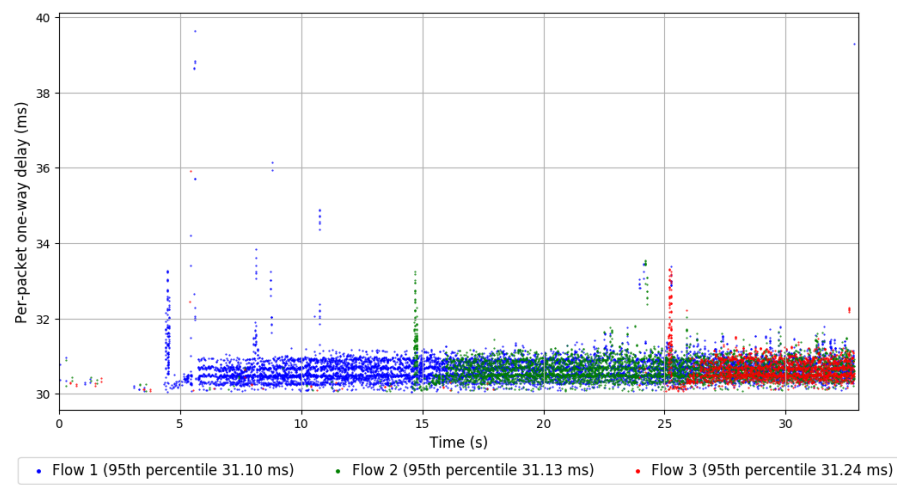
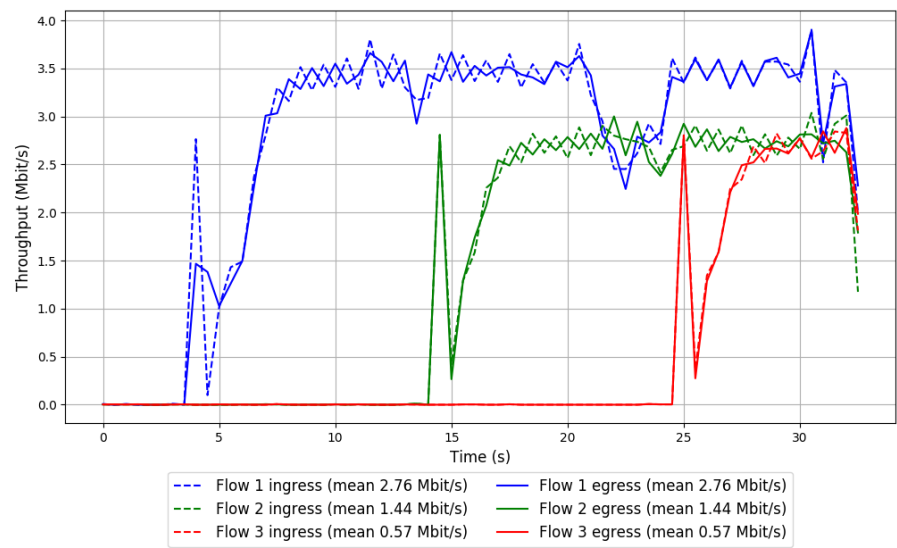


Run 7: Statistics of WebRTC media

Start at: 2018-01-26 16:50:30
End at: 2018-01-26 16:51:00
Local clock offset: 0.721 ms
Remote clock offset: -1.786 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 31.128 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 31.104 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.129 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 31.242 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

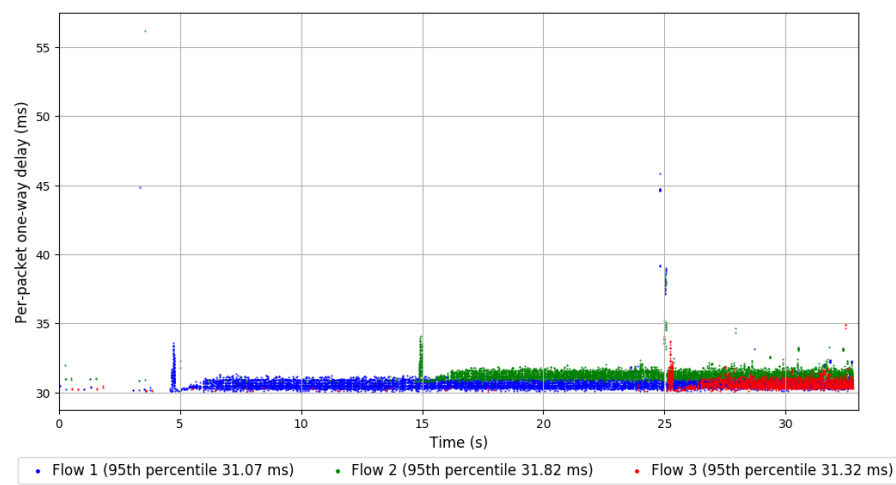
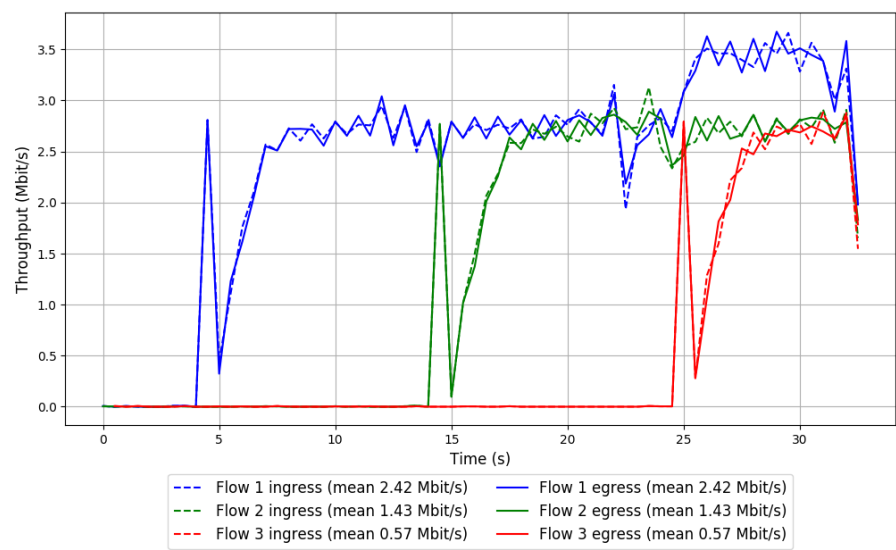


Run 8: Statistics of WebRTC media

Start at: 2018-01-26 17:13:35
End at: 2018-01-26 17:14:05
Local clock offset: 0.898 ms
Remote clock offset: -1.851 ms

```
# Below is generated by plot.py at 2018-01-26 18:40:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 31.609 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 31.065 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.816 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 31.318 ms
Loss rate: 0.00%
```


Run 8: Report of WebRTC media — Data Link

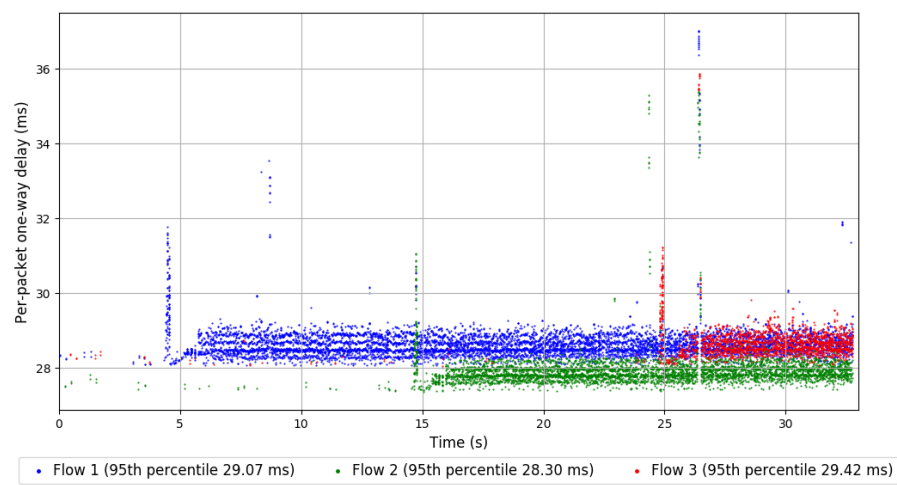
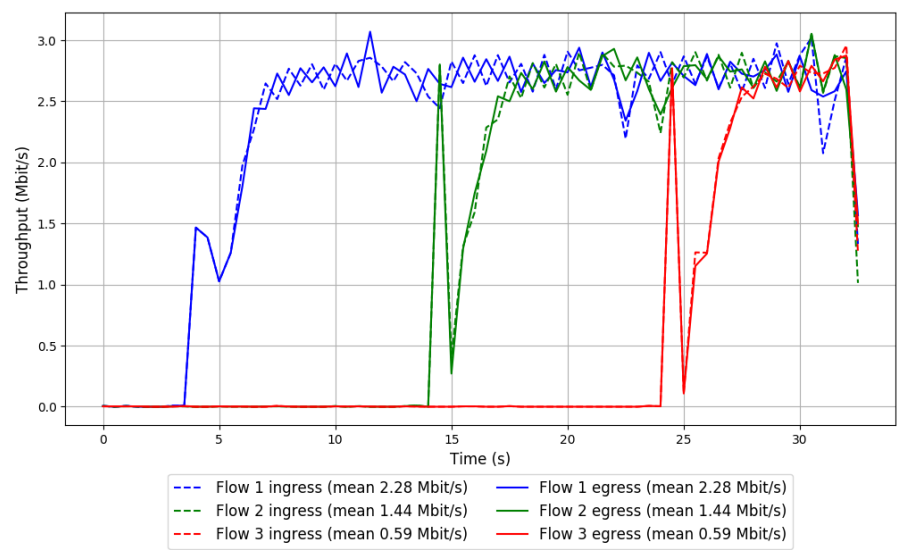


Run 9: Statistics of WebRTC media

Start at: 2018-01-26 17:37:08
End at: 2018-01-26 17:37:38
Local clock offset: 0.867 ms
Remote clock offset: -4.747 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 29.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 29.069 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 29.421 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

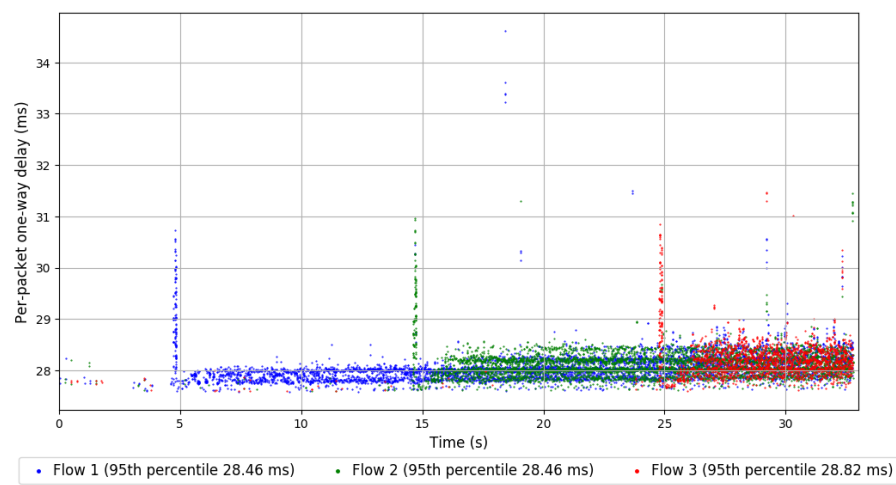
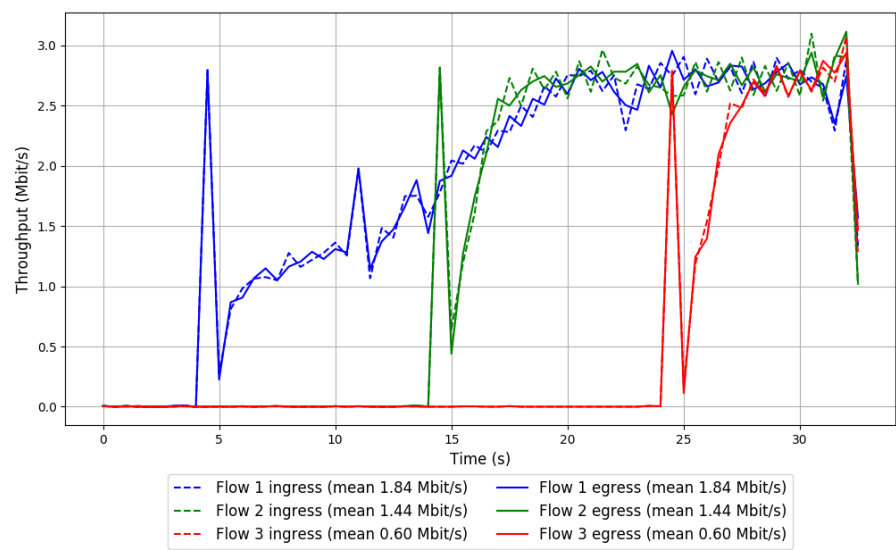


Run 10: Statistics of WebRTC media

Start at: 2018-01-26 18:01:29
End at: 2018-01-26 18:01:59
Local clock offset: 0.912 ms
Remote clock offset: -5.157 ms

Below is generated by plot.py at 2018-01-26 18:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 28.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 28.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 28.821 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

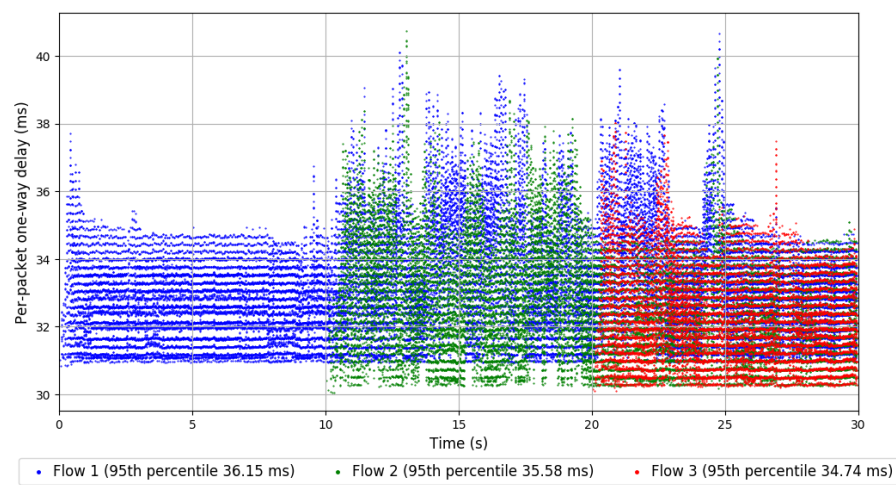
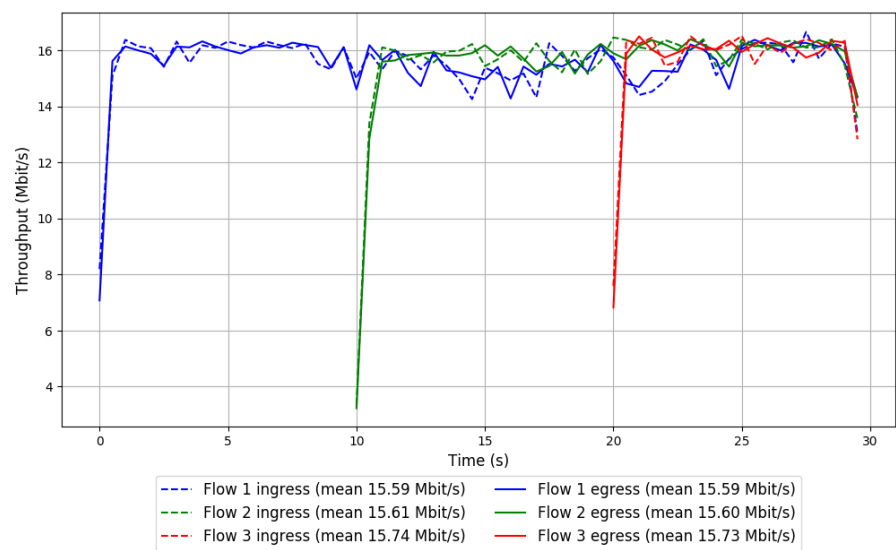


Run 1: Statistics of Sprout

Start at: 2018-01-26 14:24:11
End at: 2018-01-26 14:24:41
Local clock offset: 1.729 ms
Remote clock offset: -0.736 ms

Below is generated by plot.py at 2018-01-26 18:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 35.784 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 36.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 35.582 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.73 Mbit/s
95th percentile per-packet one-way delay: 34.742 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

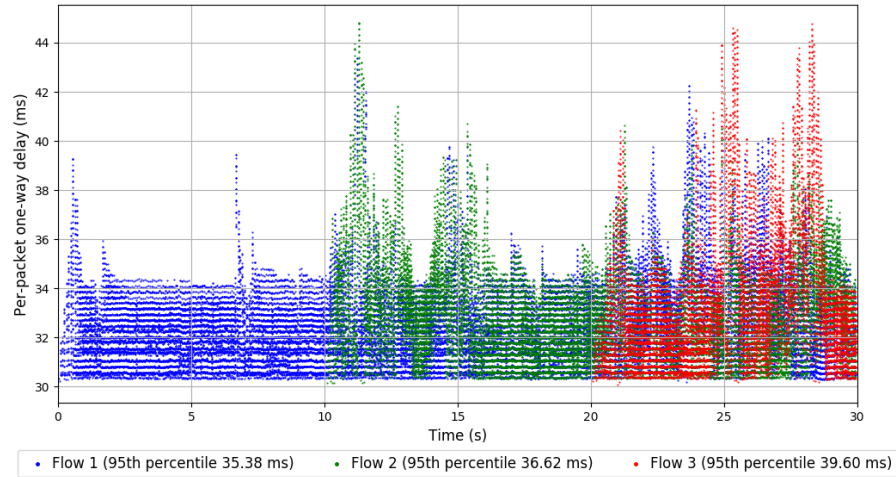
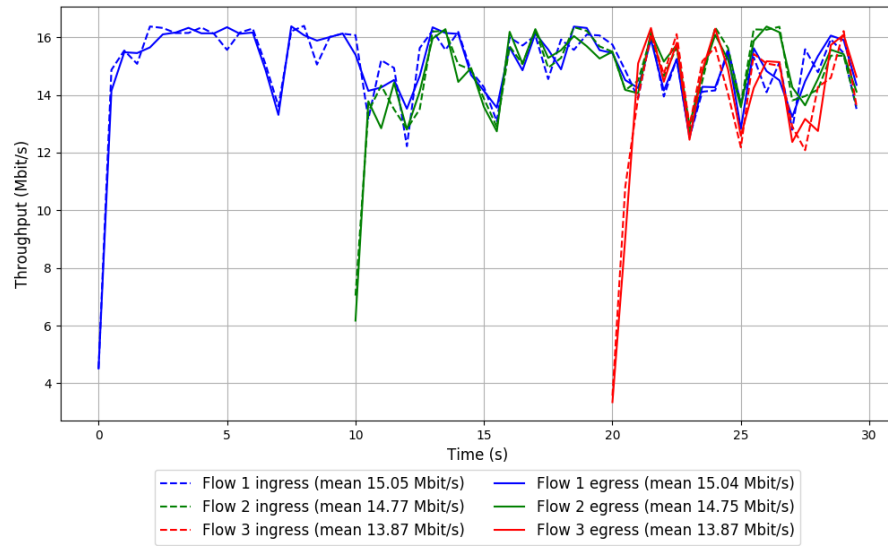


Run 2: Statistics of Sprout

Start at: 2018-01-26 14:46:42
End at: 2018-01-26 14:47:12
Local clock offset: 1.733 ms
Remote clock offset: -1.703 ms

```
# Below is generated by plot.py at 2018-01-26 18:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 36.676 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 35.381 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 36.624 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 13.87 Mbit/s
95th percentile per-packet one-way delay: 39.600 ms
Loss rate: 0.00%
```


Run 2: Report of Sprout — Data Link

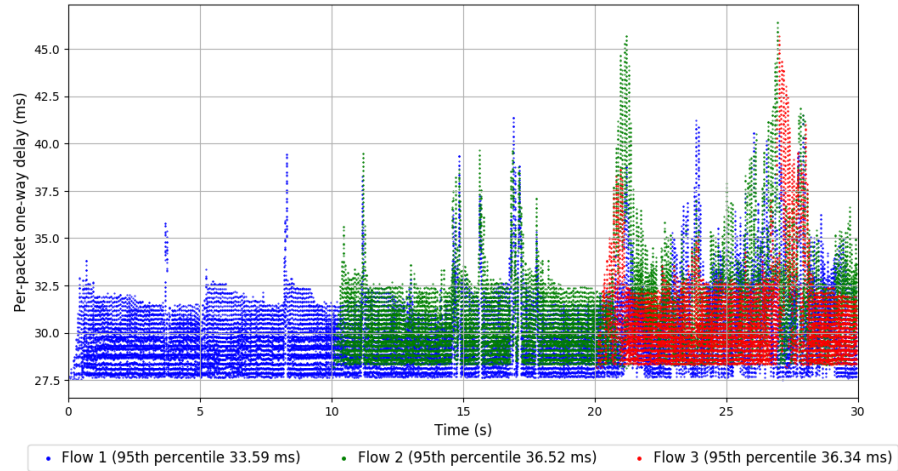
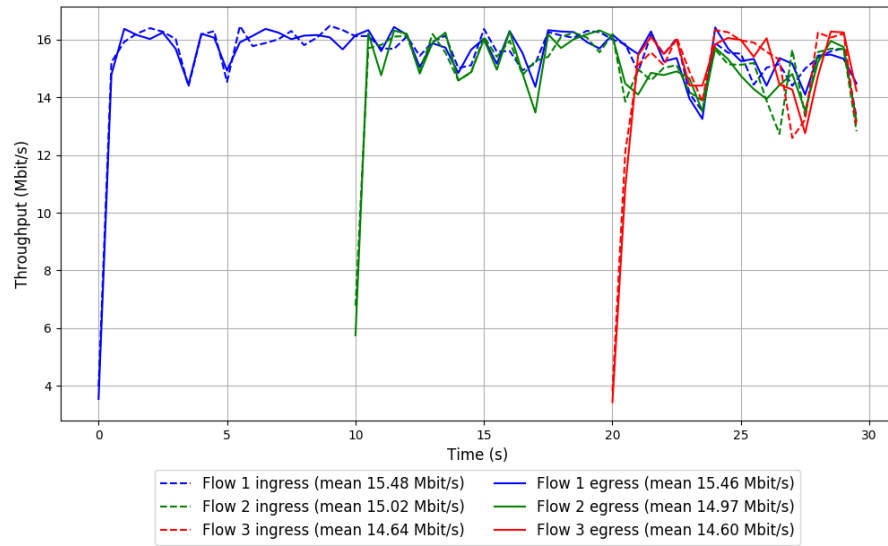


Run 3: Statistics of Sprout

Start at: 2018-01-26 15:10:33
End at: 2018-01-26 15:11:03
Local clock offset: 1.51 ms
Remote clock offset: -4.382 ms

Below is generated by plot.py at 2018-01-26 18:40:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 35.077 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 33.587 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 36.518 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 14.60 Mbit/s
95th percentile per-packet one-way delay: 36.340 ms
Loss rate: 0.25%

Run 3: Report of Sprout — Data Link

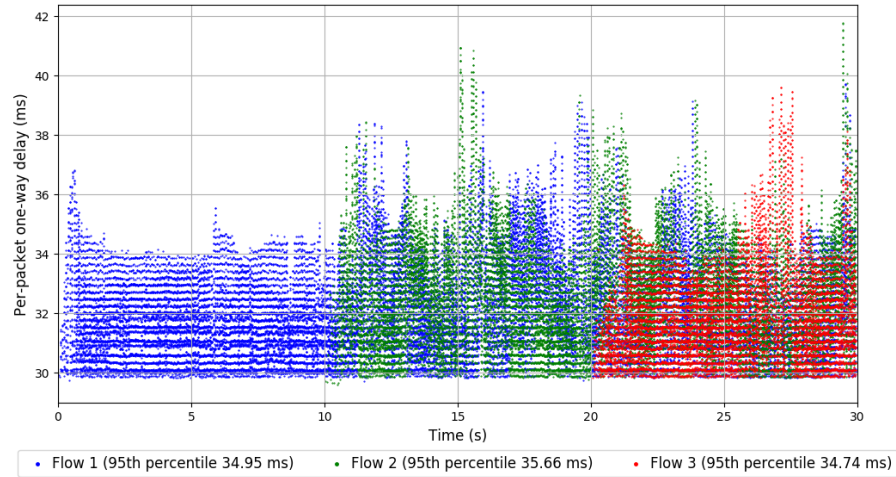
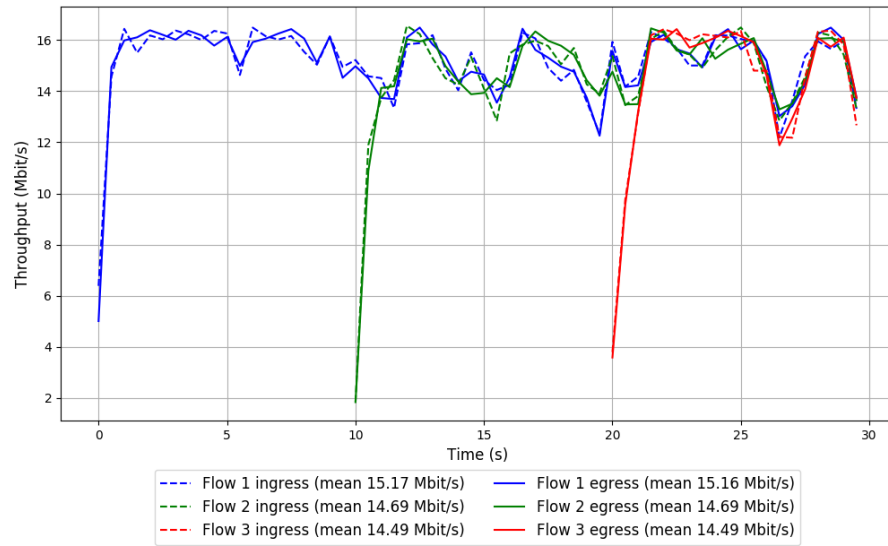


Run 4: Statistics of Sprout

Start at: 2018-01-26 15:34:48
End at: 2018-01-26 15:35:18
Local clock offset: 1.334 ms
Remote clock offset: -2.815 ms

```
# Below is generated by plot.py at 2018-01-26 18:40:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.72 Mbit/s
95th percentile per-packet one-way delay: 35.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 34.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 35.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 34.736 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

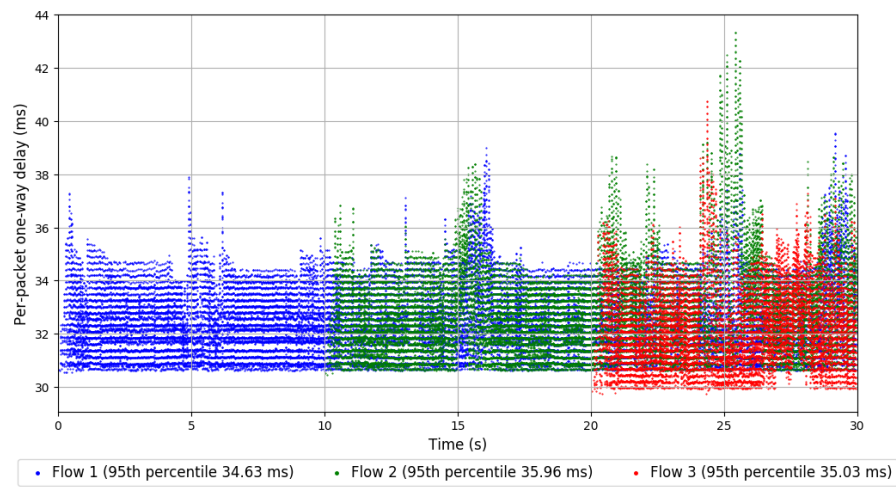
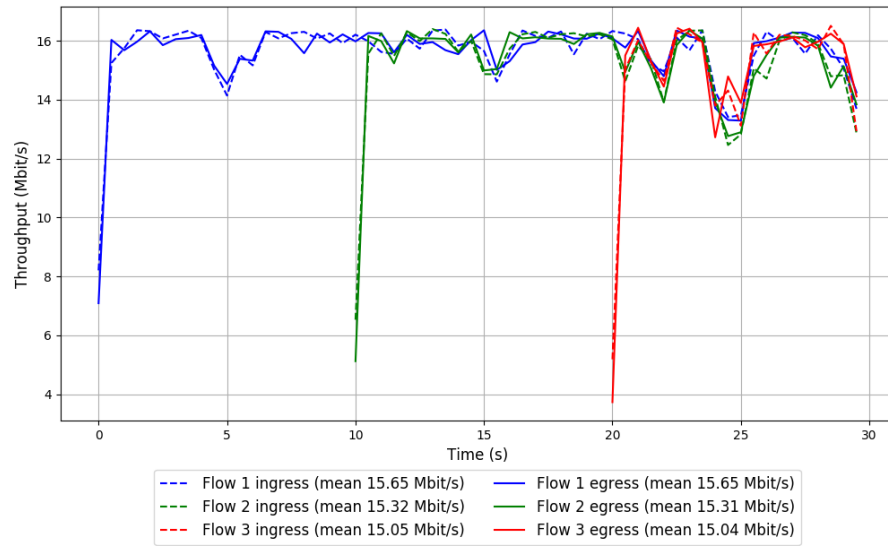


Run 5: Statistics of Sprout

Start at: 2018-01-26 15:58:13
End at: 2018-01-26 15:58:43
Local clock offset: 1.066 ms
Remote clock offset: -2.187 ms

Below is generated by plot.py at 2018-01-26 18:40:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 35.093 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 34.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.31 Mbit/s
95th percentile per-packet one-way delay: 35.964 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 35.031 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

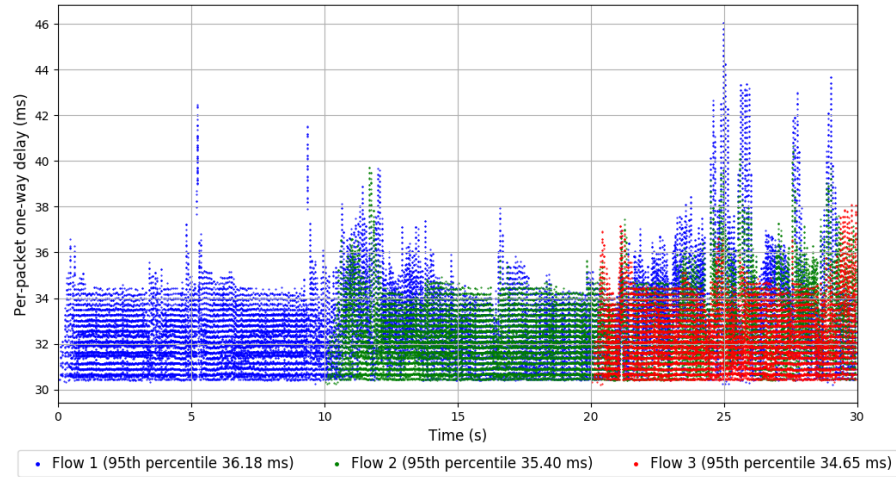
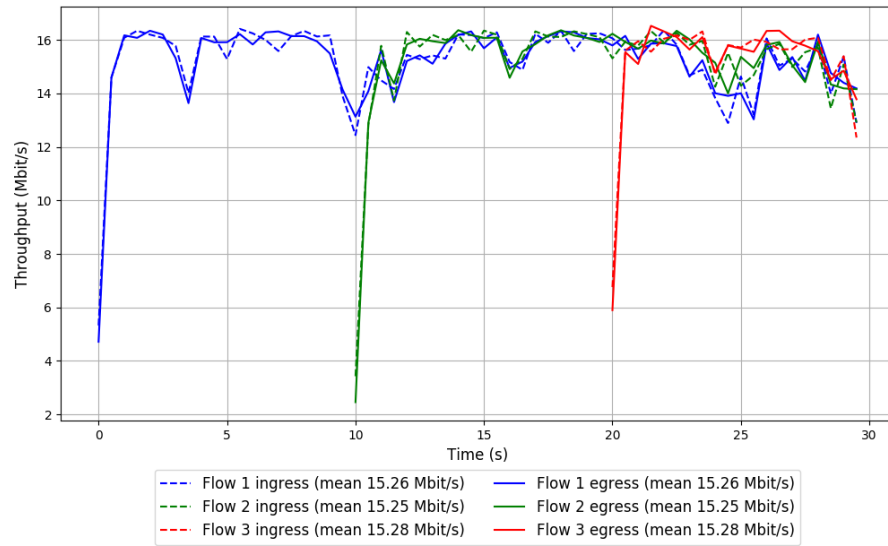


Run 6: Statistics of Sprout

Start at: 2018-01-26 16:21:10
End at: 2018-01-26 16:21:40
Local clock offset: 0.917 ms
Remote clock offset: -1.952 ms

Below is generated by plot.py at 2018-01-26 18:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 35.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 36.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 35.401 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 34.650 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

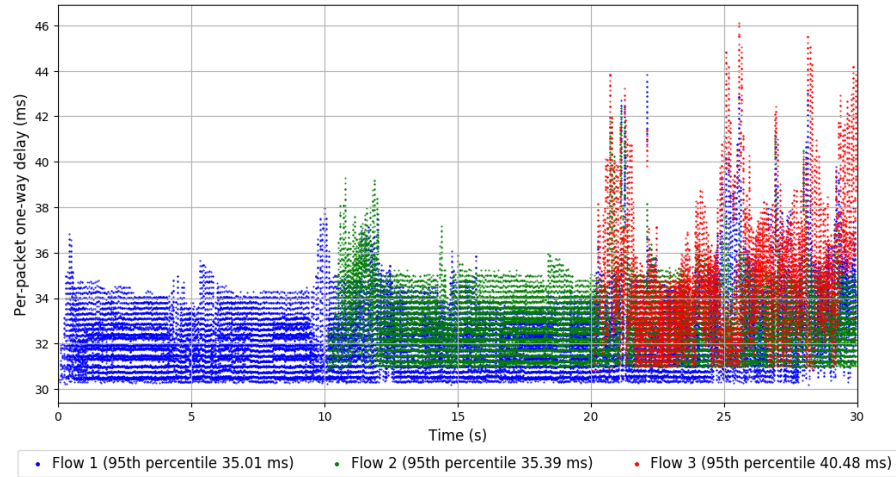
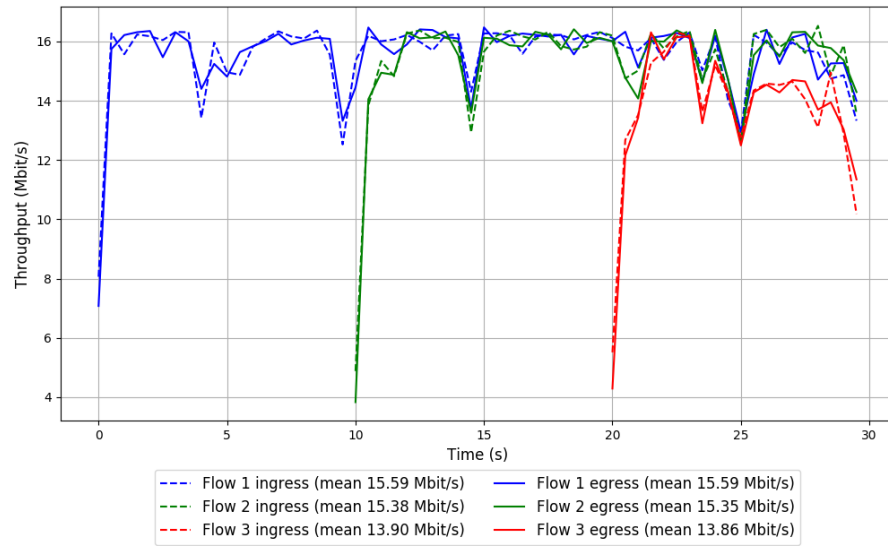


Run 7: Statistics of Sprout

Start at: 2018-01-26 16:44:43
End at: 2018-01-26 16:45:14
Local clock offset: 0.704 ms
Remote clock offset: -1.722 ms

```
# Below is generated by plot.py at 2018-01-26 18:40:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 36.564 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 35.005 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 35.391 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 40.482 ms
Loss rate: 0.18%
```

Run 7: Report of Sprout — Data Link

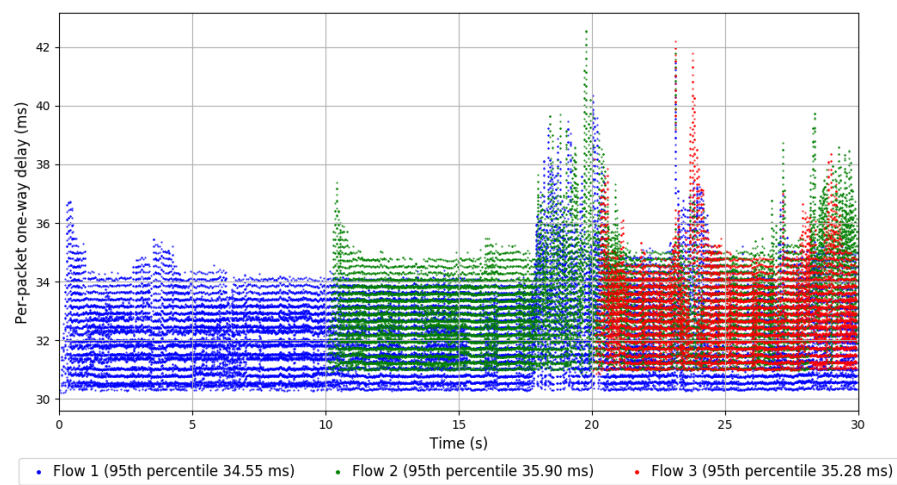
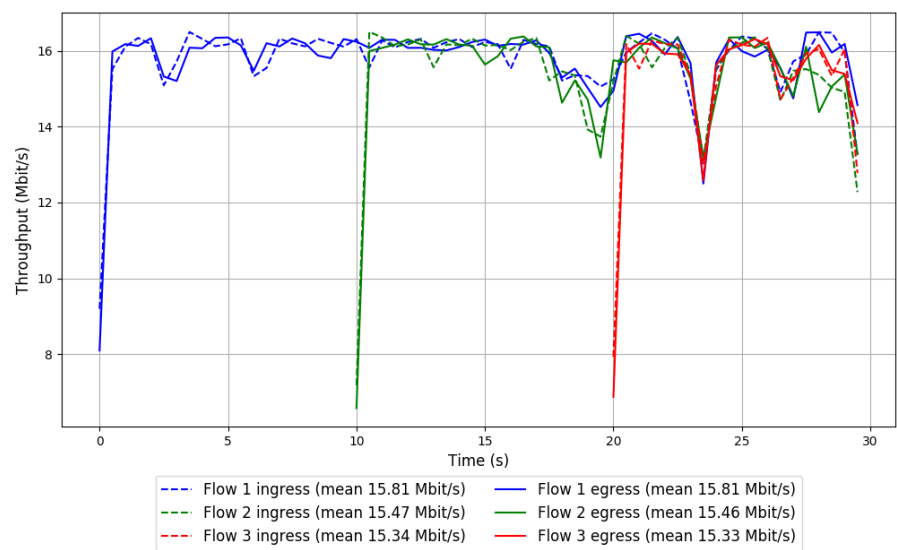


Run 8: Statistics of Sprout

Start at: 2018-01-26 17:07:59
End at: 2018-01-26 17:08:29
Local clock offset: 0.777 ms
Remote clock offset: -1.943 ms

```
# Below is generated by plot.py at 2018-01-26 18:40:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 35.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 34.551 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 35.902 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.33 Mbit/s
95th percentile per-packet one-way delay: 35.276 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-01-26 17:31:27

End at: 2018-01-26 17:31:57

Local clock offset: 0.842 ms

Remote clock offset: -2.09 ms

Below is generated by plot.py at 2018-01-26 18:40:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 37.003 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 15.09 Mbit/s

95th percentile per-packet one-way delay: 36.069 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 14.70 Mbit/s

95th percentile per-packet one-way delay: 37.610 ms

Loss rate: 0.03%

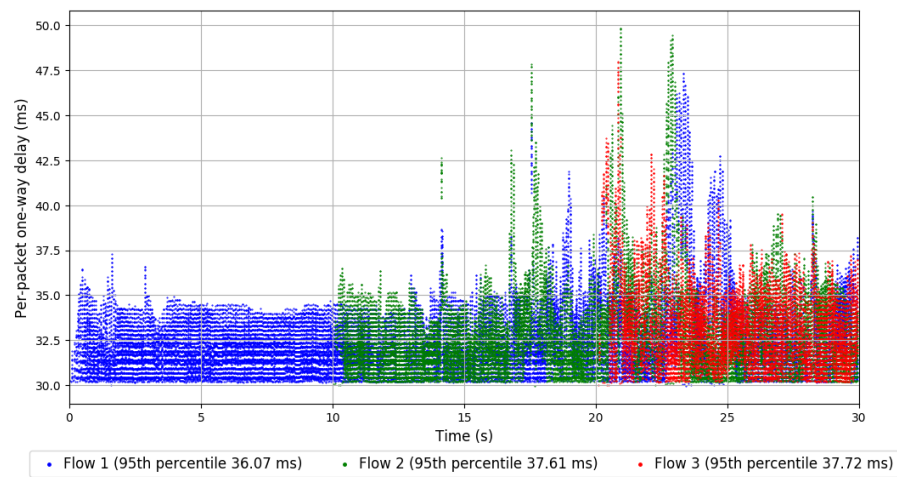
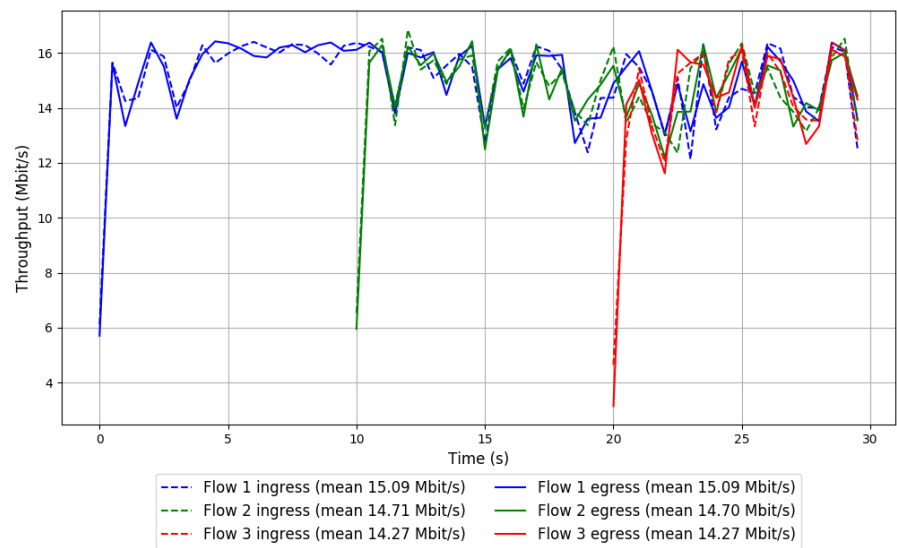
-- Flow 3:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 37.719 ms

Loss rate: 0.04%

Run 9: Report of Sprout — Data Link

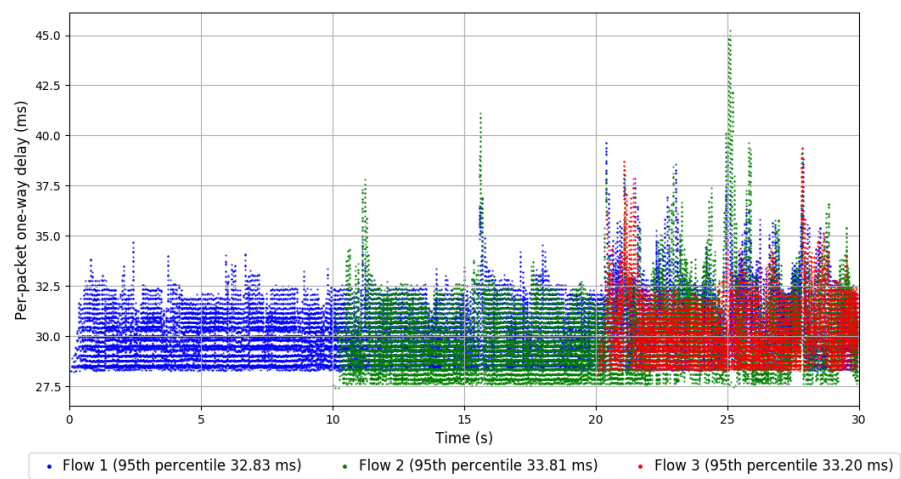
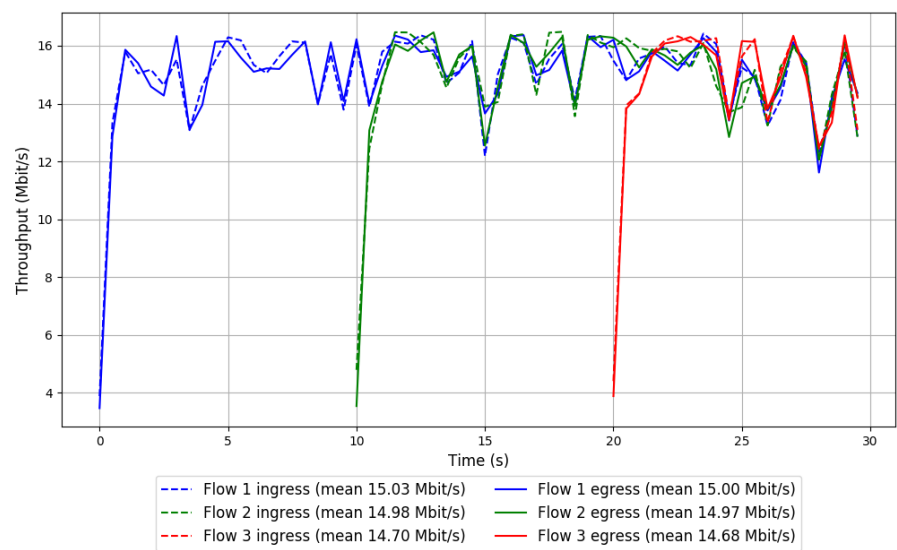


Run 10: Statistics of Sprout

Start at: 2018-01-26 17:55:51
End at: 2018-01-26 17:56:21
Local clock offset: 0.925 ms
Remote clock offset: -5.136 ms

Below is generated by plot.py at 2018-01-26 18:40:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 33.179 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 32.834 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 33.813 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.68 Mbit/s
95th percentile per-packet one-way delay: 33.205 ms
Loss rate: 0.10%

Run 10: Report of Sprout — Data Link

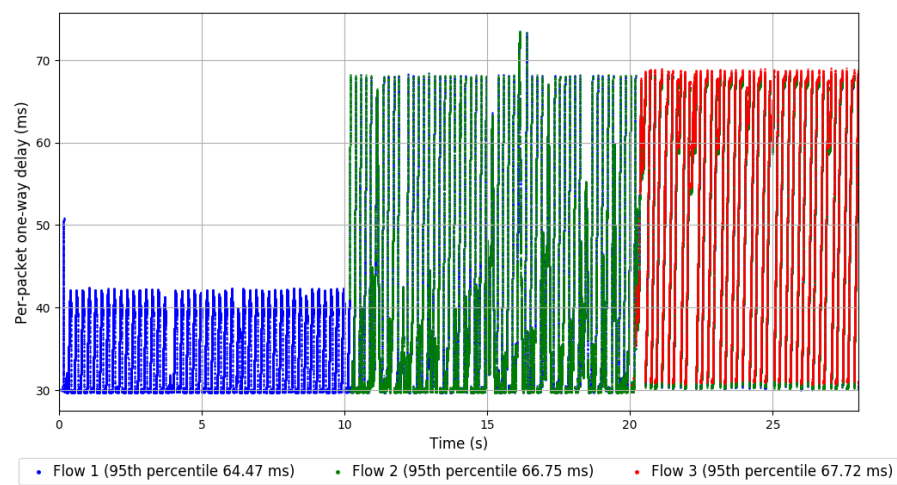
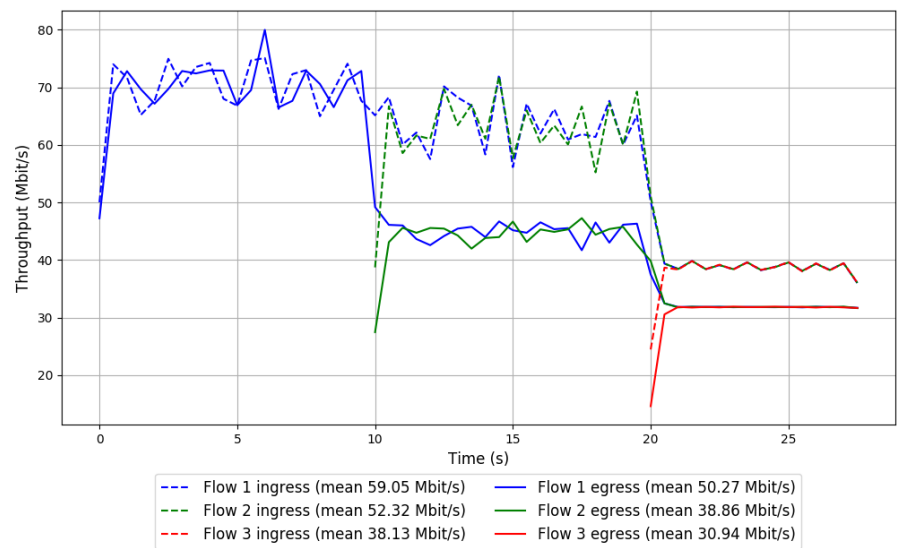


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 14:33:41
End at: 2018-01-26 14:34:11
Local clock offset: 1.627 ms
Remote clock offset: -1.533 ms

Below is generated by plot.py at 2018-01-26 18:42:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 66.718 ms
Loss rate: 18.81%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 64.468 ms
Loss rate: 14.87%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 66.746 ms
Loss rate: 25.72%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 67.722 ms
Loss rate: 18.86%

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

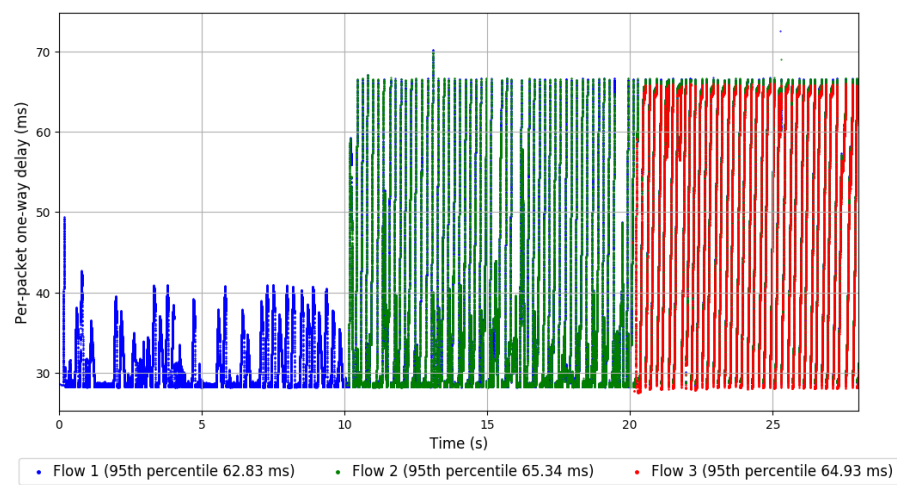
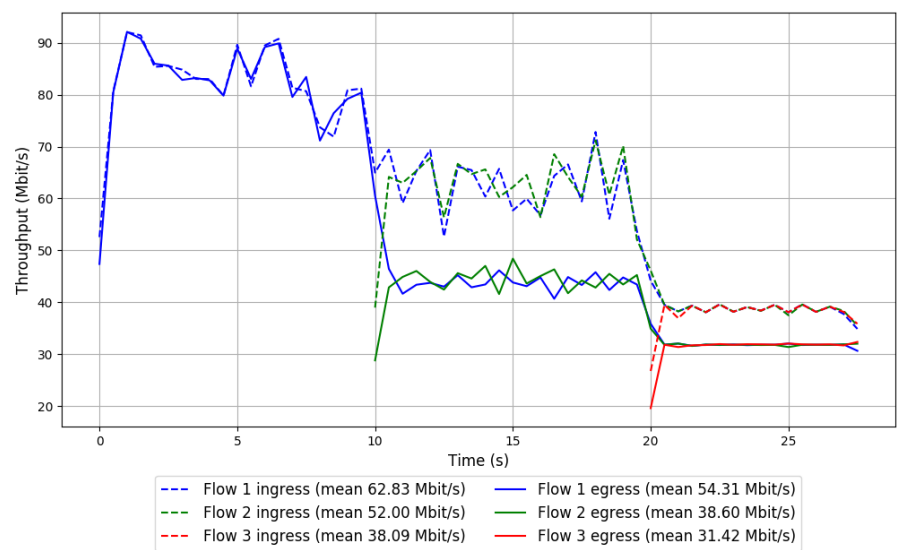


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 14:56:52
End at: 2018-01-26 14:57:22
Local clock offset: 1.65 ms
Remote clock offset: -3.96 ms

# Below is generated by plot.py at 2018-01-26 18:42:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.99 Mbit/s
95th percentile per-packet one-way delay: 64.900 ms
Loss rate: 17.78%
-- Flow 1:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 62.832 ms
Loss rate: 13.56%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 65.342 ms
Loss rate: 25.76%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 64.930 ms
Loss rate: 17.68%
```

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

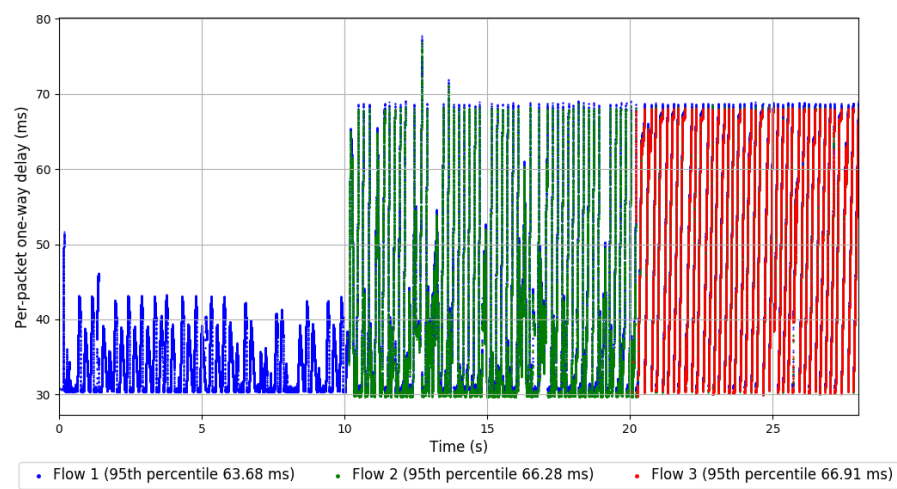
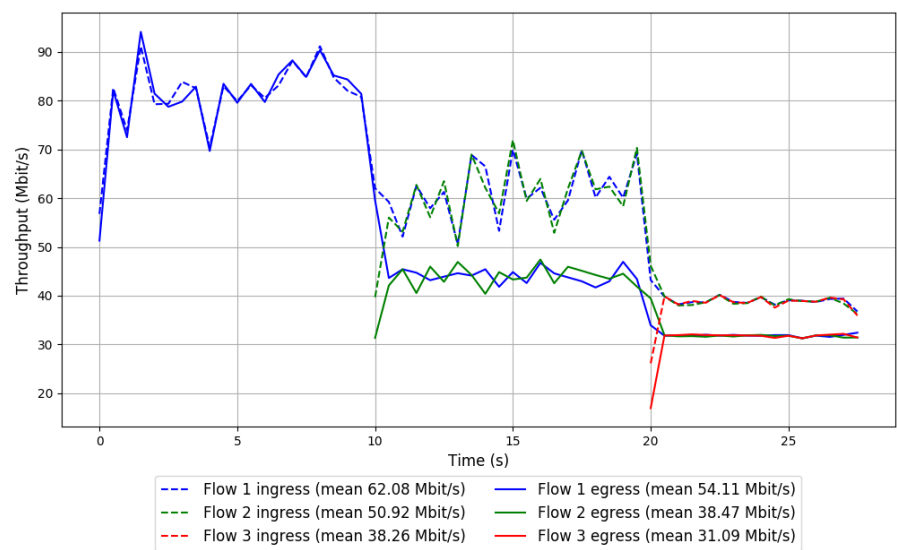


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 15:20:42
End at: 2018-01-26 15:21:13
Local clock offset: 1.443 ms
Remote clock offset: -2.799 ms

Below is generated by plot.py at 2018-01-26 18:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 65.630 ms
Loss rate: 17.03%
-- Flow 1:
Average throughput: 54.11 Mbit/s
95th percentile per-packet one-way delay: 63.682 ms
Loss rate: 12.83%
-- Flow 2:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 66.285 ms
Loss rate: 24.45%
-- Flow 3:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 66.906 ms
Loss rate: 18.73%

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

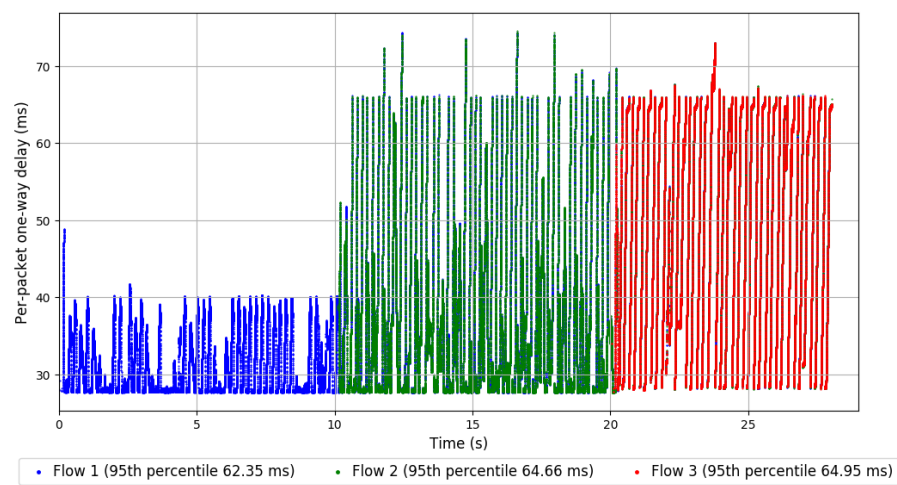
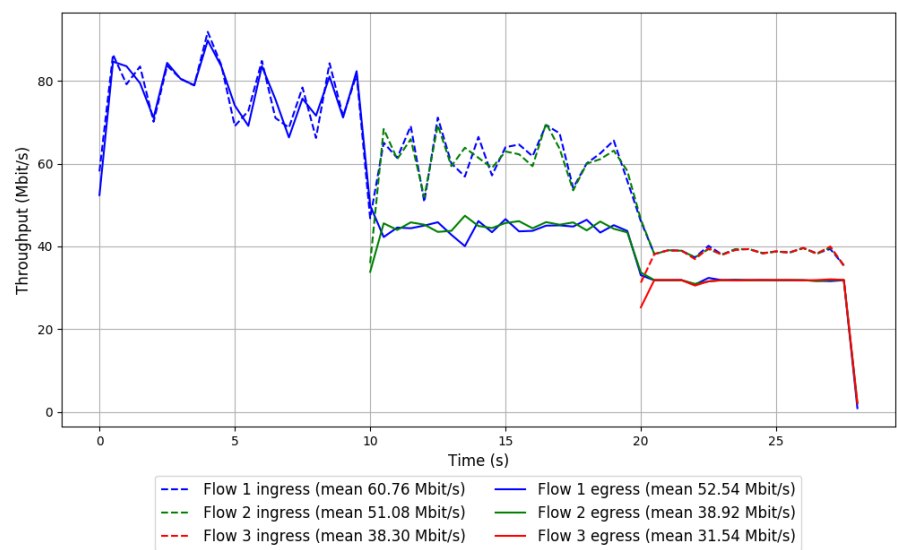


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 15:44:57
End at: 2018-01-26 15:45:27
Local clock offset: 1.148 ms
Remote clock offset: -4.887 ms

Below is generated by plot.py at 2018-01-26 18:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 17.07%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 62.347 ms
Loss rate: 13.47%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 64.663 ms
Loss rate: 23.65%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 64.951 ms
Loss rate: 17.32%

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

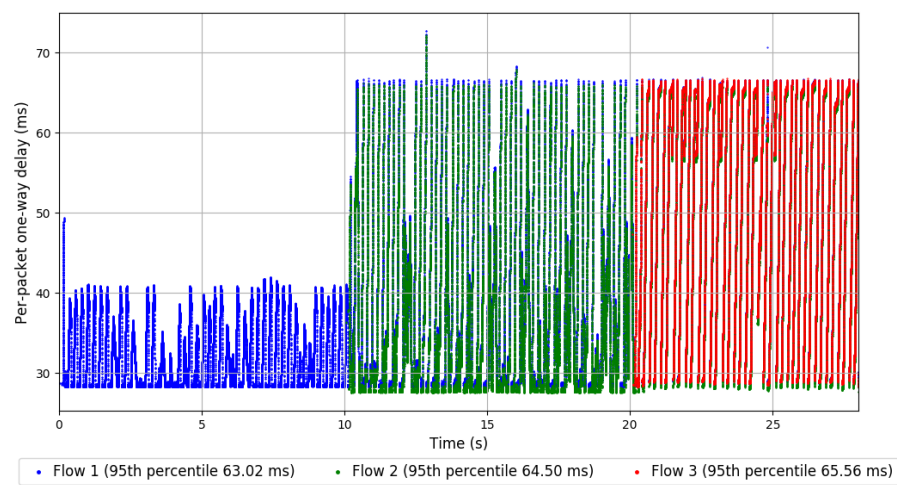
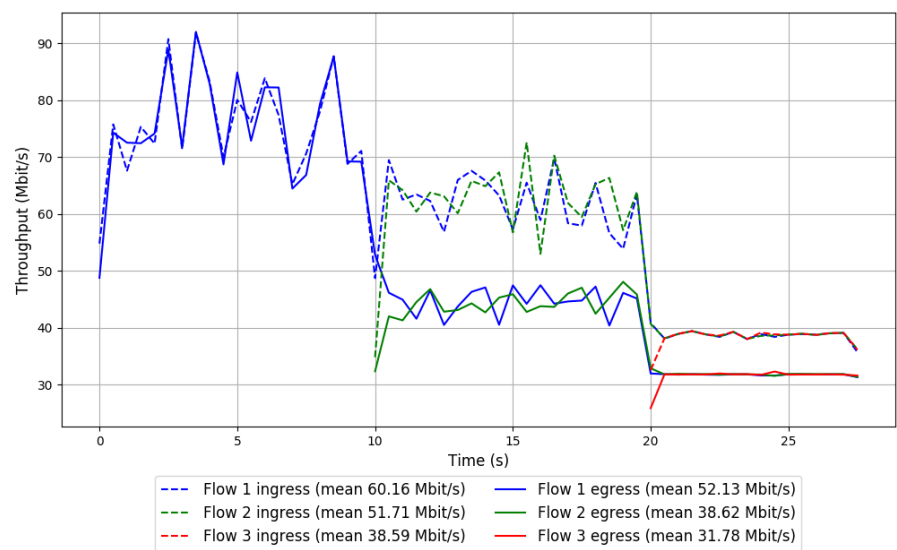


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 16:07:46
End at: 2018-01-26 16:08:16
Local clock offset: 1.059 ms
Remote clock offset: -4.249 ms

Below is generated by plot.py at 2018-01-26 18:42:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.91 Mbit/s
95th percentile per-packet one-way delay: 64.665 ms
Loss rate: 17.64%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 63.017 ms
Loss rate: 13.35%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 64.504 ms
Loss rate: 25.34%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 65.562 ms
Loss rate: 17.83%

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

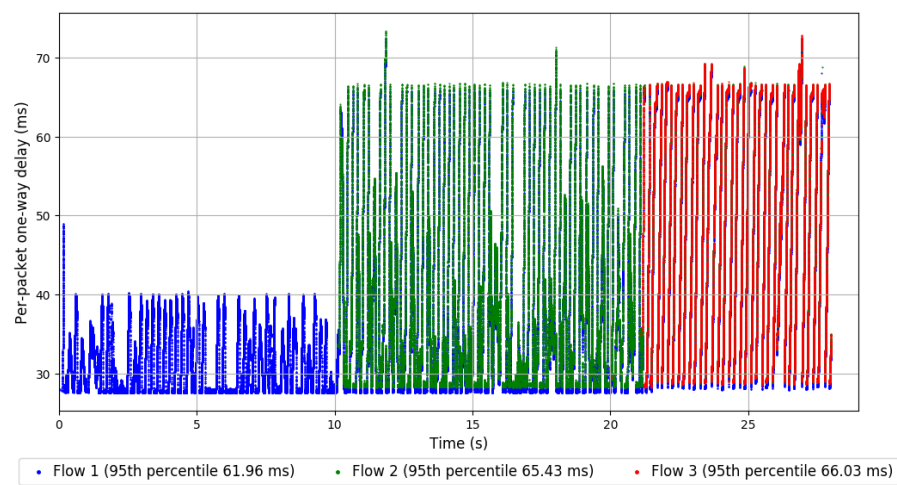
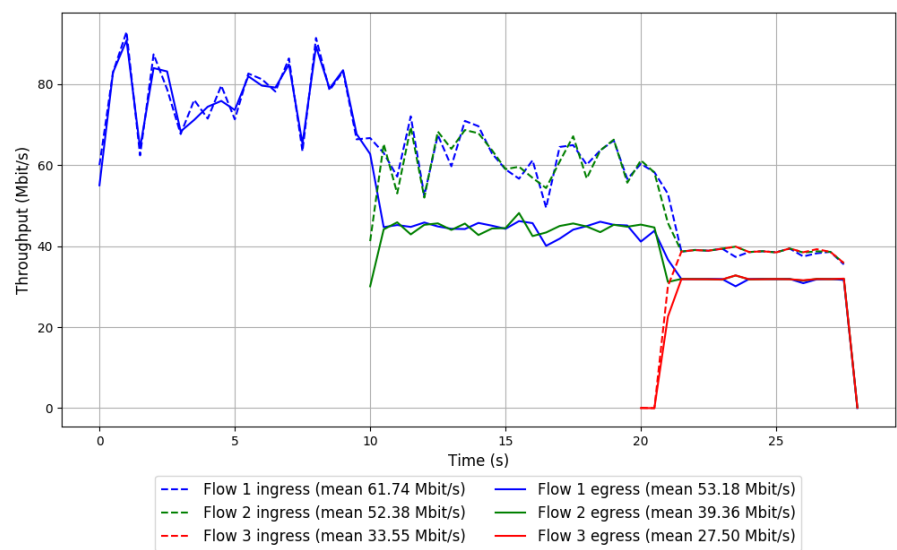


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 16:30:59
End at: 2018-01-26 16:31:29
Local clock offset: 0.858 ms
Remote clock offset: -4.189 ms

Below is generated by plot.py at 2018-01-26 18:43:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 64.871 ms
Loss rate: 17.74%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 61.960 ms
Loss rate: 13.83%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 65.431 ms
Loss rate: 24.84%
-- Flow 3:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 66.025 ms
Loss rate: 17.98%

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

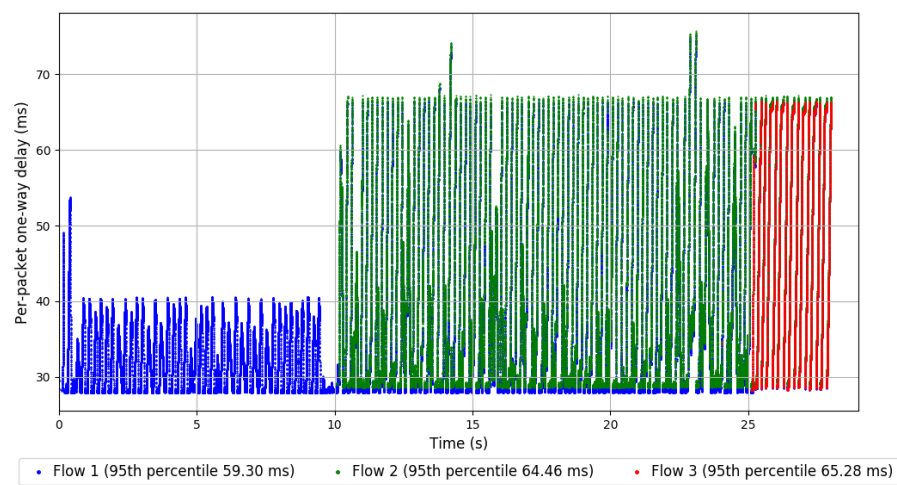
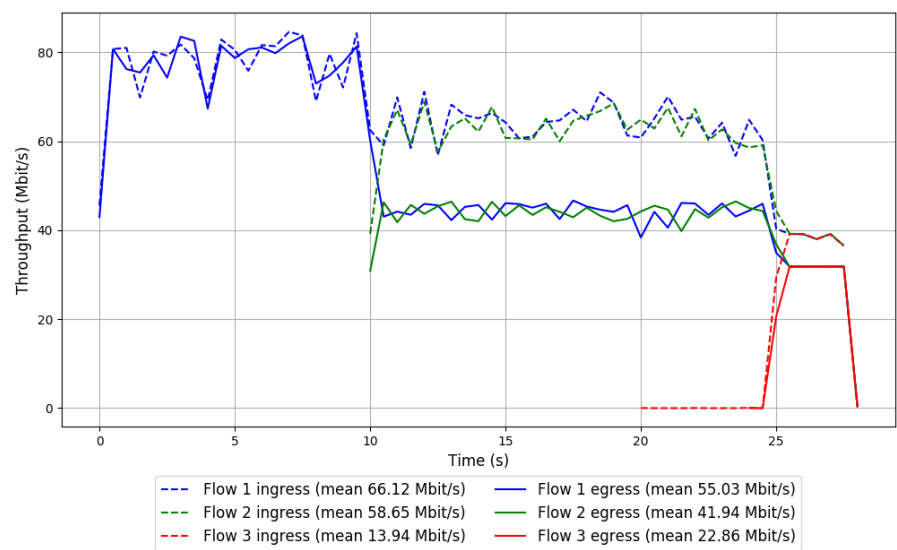


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 16:54:57
End at: 2018-01-26 16:55:27
Local clock offset: 0.728 ms
Remote clock offset: -4.176 ms

Below is generated by plot.py at 2018-01-26 18:43:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 62.839 ms
Loss rate: 20.89%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 59.301 ms
Loss rate: 16.74%
-- Flow 2:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 64.463 ms
Loss rate: 28.44%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 65.285 ms
Loss rate: 18.53%

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

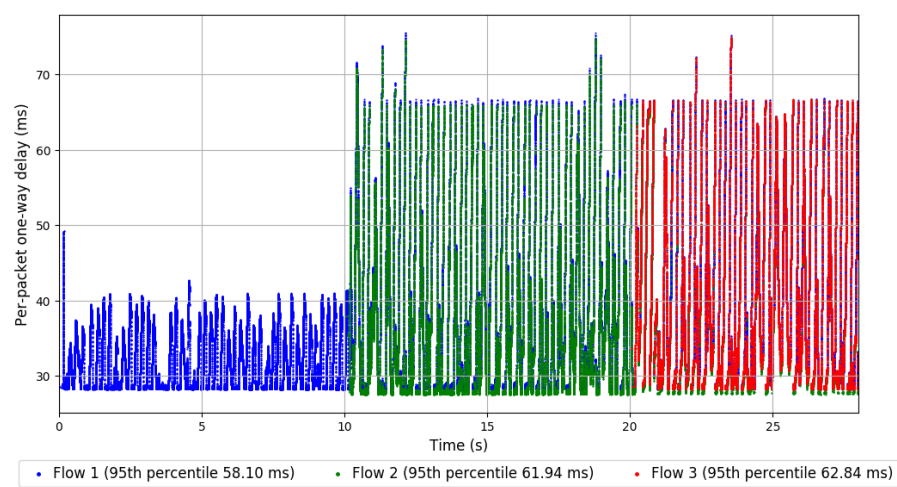
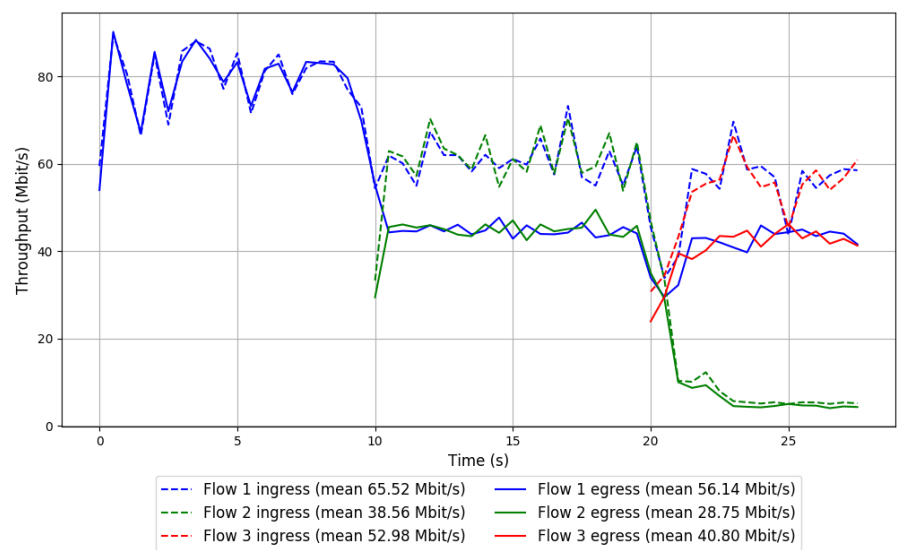


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 17:17:56
End at: 2018-01-26 17:18:26
Local clock offset: 0.898 ms
Remote clock offset: -4.555 ms

Below is generated by plot.py at 2018-01-26 18:43:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 60.208 ms
Loss rate: 18.18%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 58.101 ms
Loss rate: 14.31%
-- Flow 2:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 61.940 ms
Loss rate: 25.49%
-- Flow 3:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 62.837 ms
Loss rate: 23.04%

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

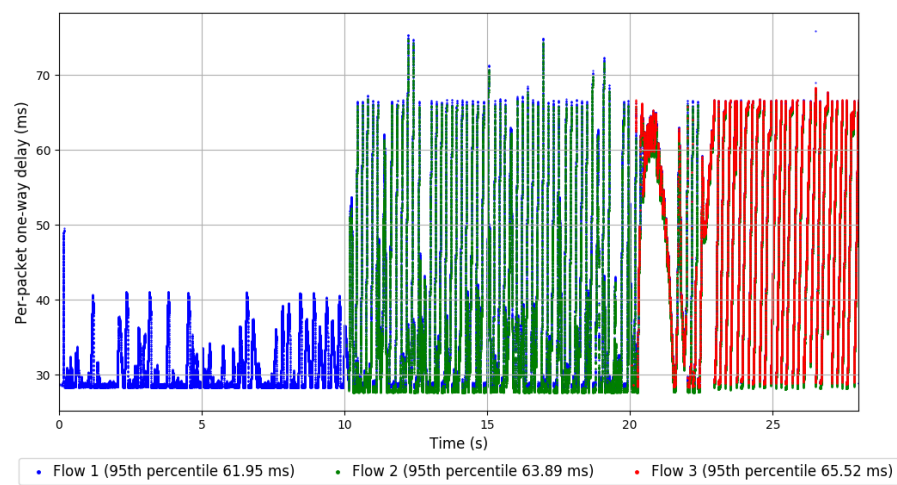
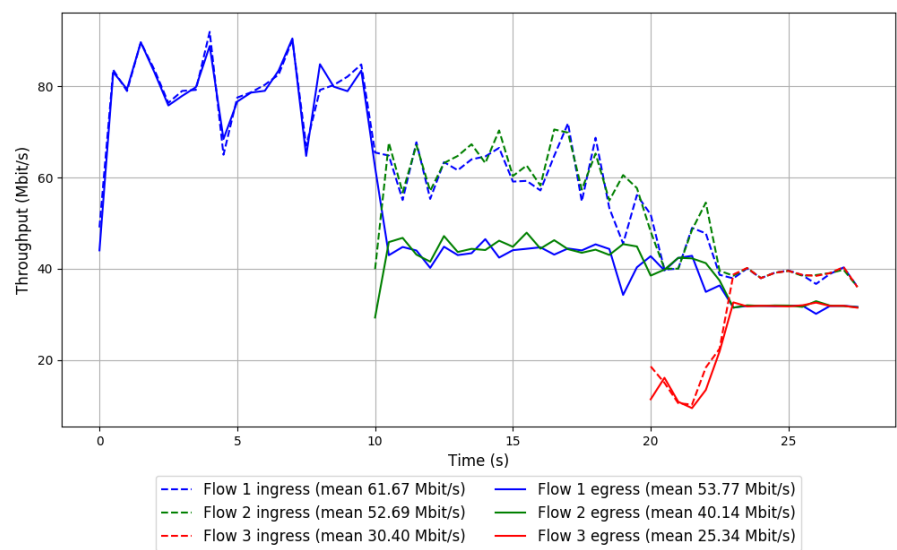


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-26 17:41:50
End at: 2018-01-26 17:42:20
Local clock offset: 0.881 ms
Remote clock offset: -4.826 ms

Below is generated by plot.py at 2018-01-26 18:45:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 63.512 ms
Loss rate: 16.72%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 61.948 ms
Loss rate: 12.81%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 63.891 ms
Loss rate: 23.85%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 65.524 ms
Loss rate: 16.67%

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

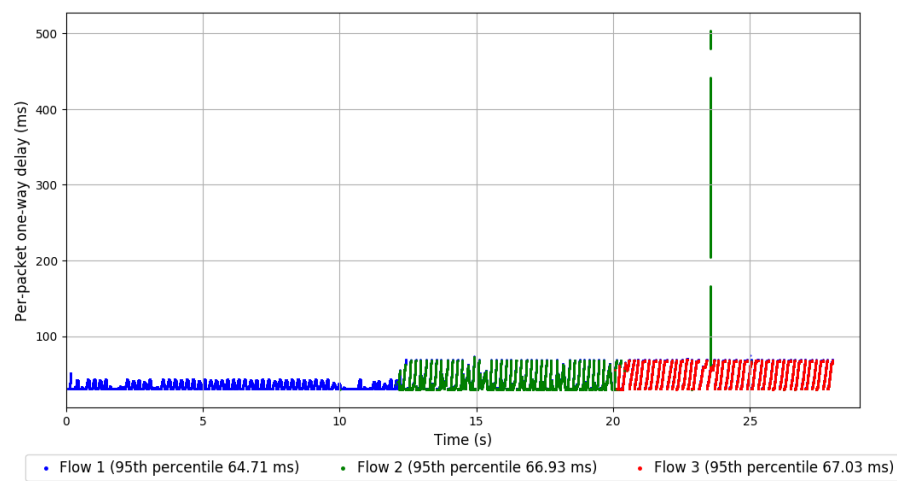
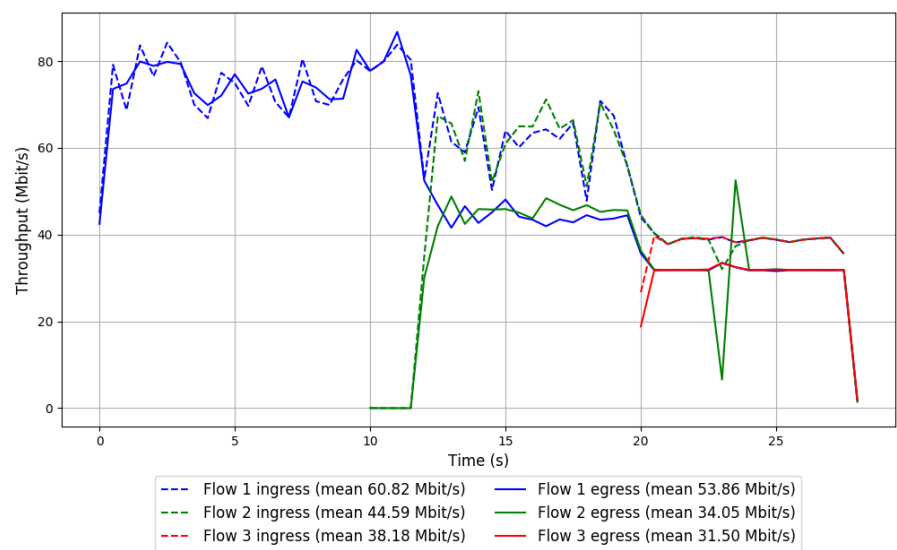


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 18:06:01
End at: 2018-01-26 18:06:31
Local clock offset: 0.967 ms
Remote clock offset: -3.448 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 66.794 ms
Loss rate: 15.48%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 64.706 ms
Loss rate: 11.34%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 66.933 ms
Loss rate: 23.51%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 67.030 ms
Loss rate: 17.42%

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

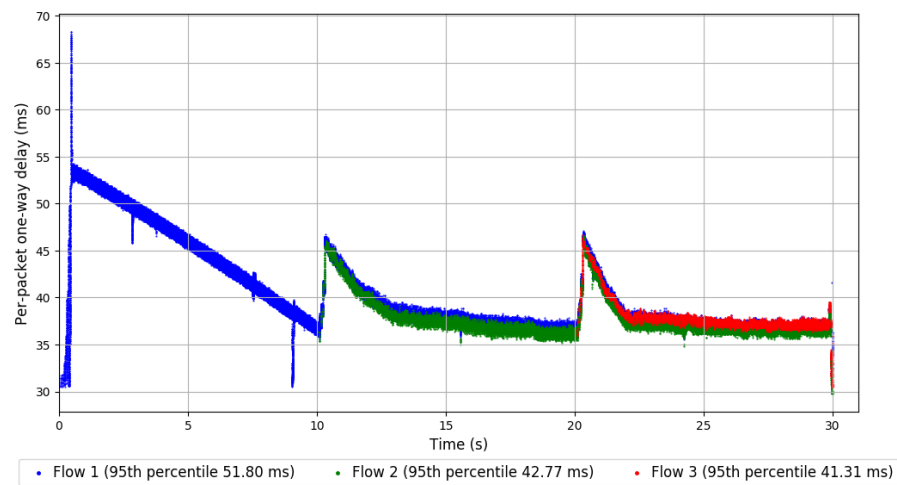
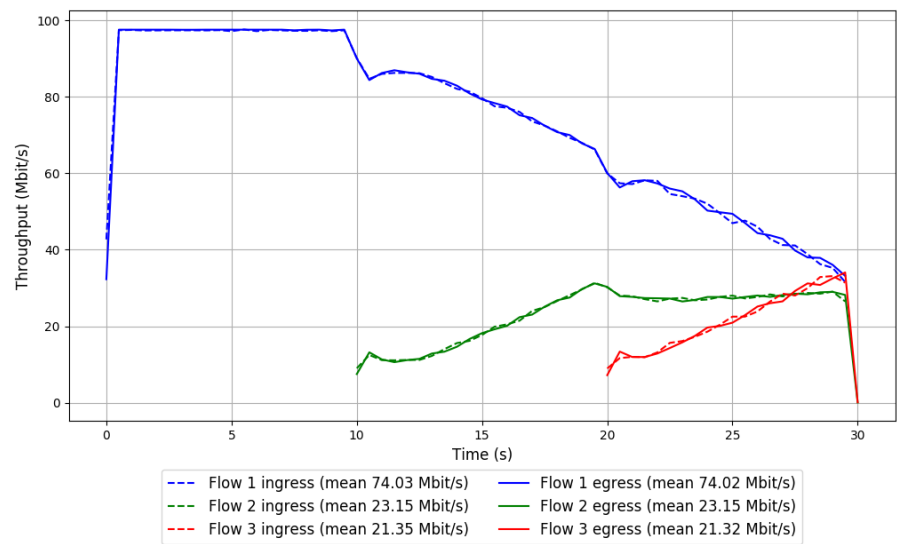


Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 14:36:31
End at: 2018-01-26 14:37:01
Local clock offset: 1.723 ms
Remote clock offset: -1.439 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 51.215 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 51.798 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 42.767 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 41.312 ms
Loss rate: 0.19%

Run 1: Report of TCP Vegas — Data Link

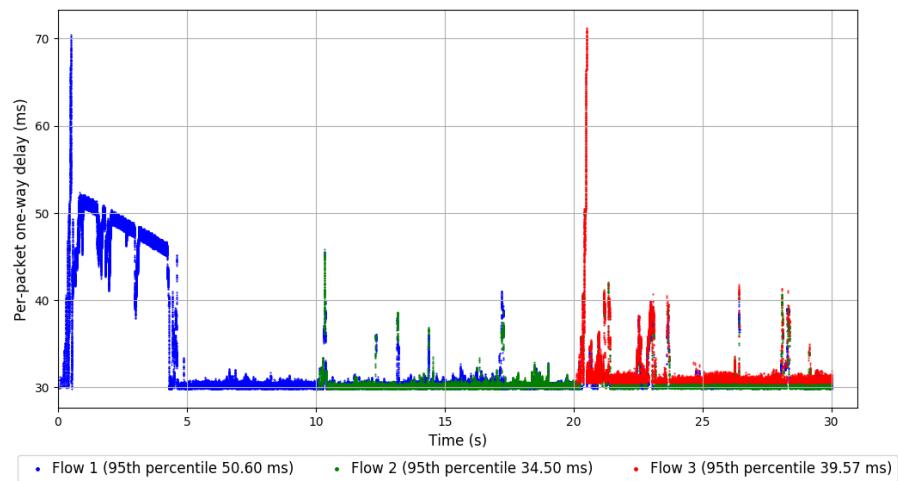
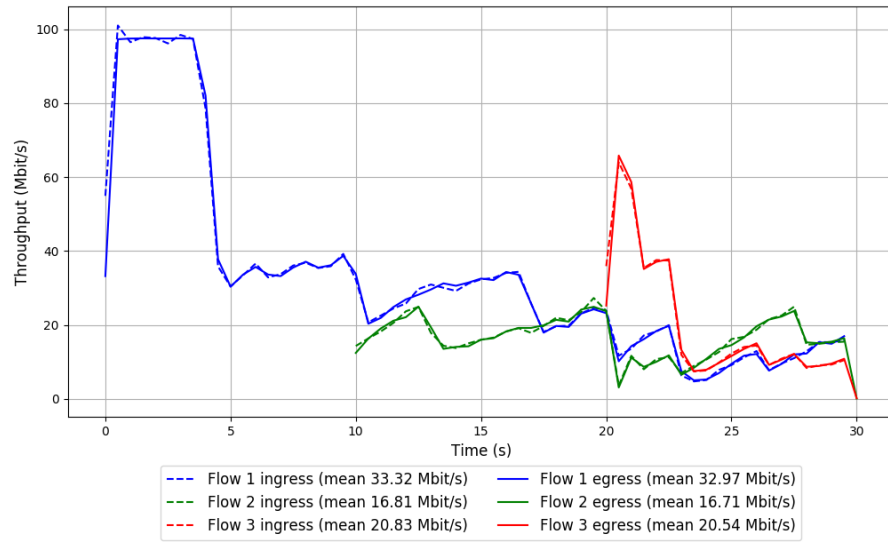


Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 15:00:12
End at: 2018-01-26 15:00:42
Local clock offset: 1.56 ms
Remote clock offset: -1.833 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 49.982 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 34.497 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 39.569 ms
Loss rate: 1.40%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 15:24:04

End at: 2018-01-26 15:24:34

Local clock offset: 1.432 ms

Remote clock offset: -2.83 ms

Below is generated by plot.py at 2018-01-26 18:45:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.57 Mbit/s

95th percentile per-packet one-way delay: 44.901 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 42.05 Mbit/s

95th percentile per-packet one-way delay: 52.456 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 29.79 Mbit/s

95th percentile per-packet one-way delay: 34.864 ms

Loss rate: 0.98%

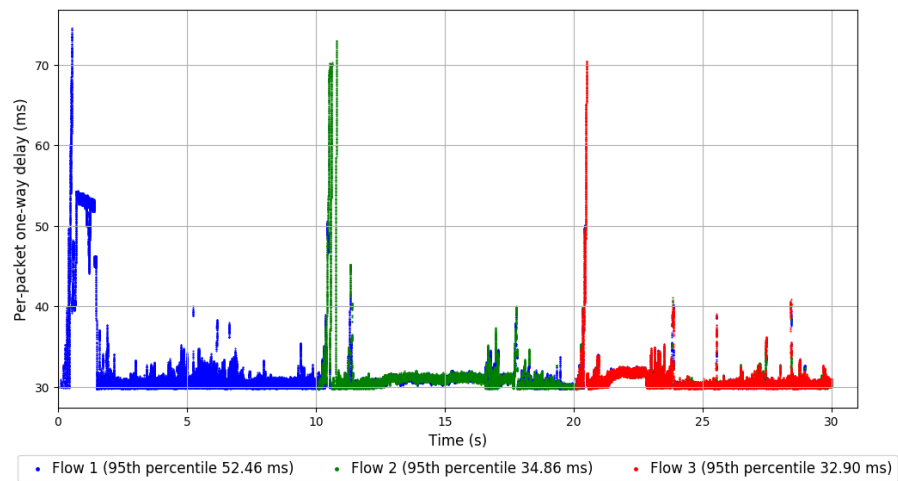
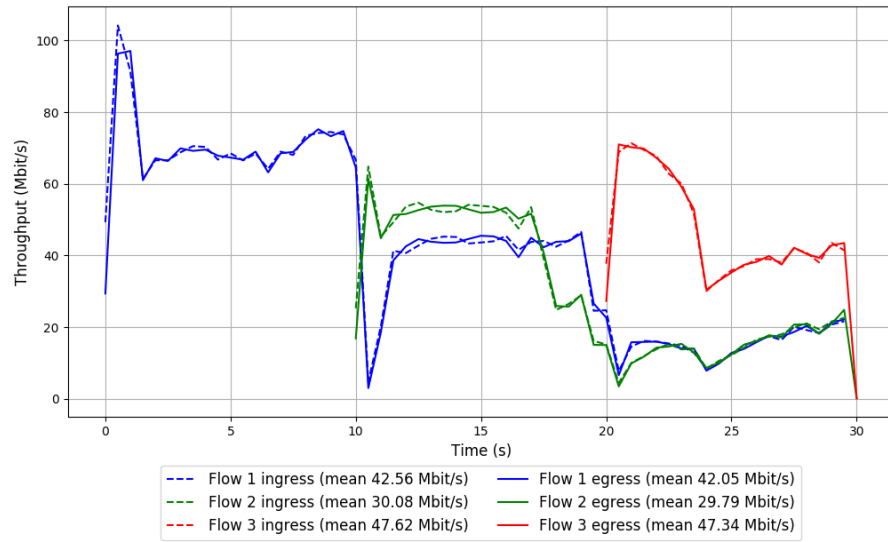
-- Flow 3:

Average throughput: 47.34 Mbit/s

95th percentile per-packet one-way delay: 32.900 ms

Loss rate: 0.59%

Run 3: Report of TCP Vegas — Data Link

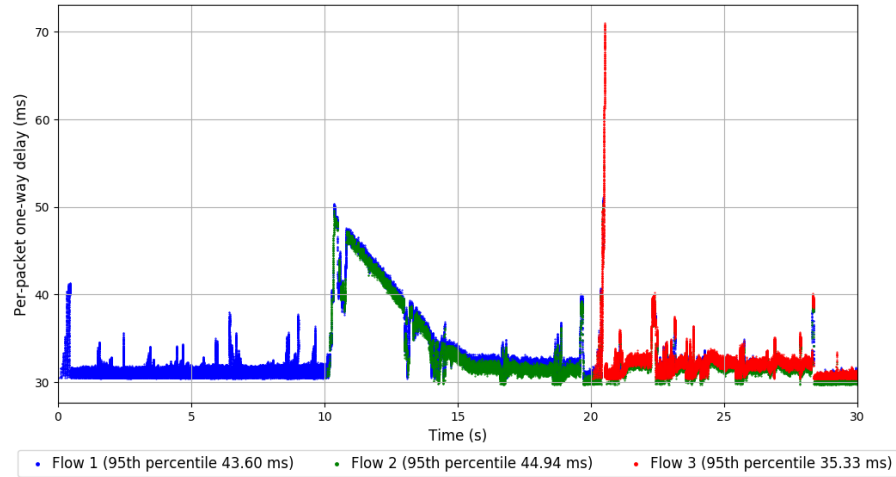
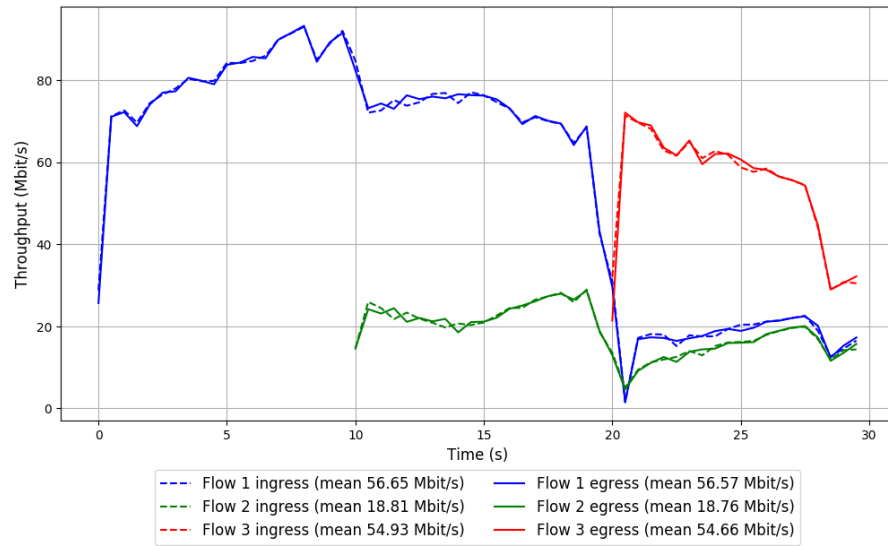


Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 15:48:05
End at: 2018-01-26 15:48:35
Local clock offset: 1.088 ms
Remote clock offset: -2.706 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 43.221 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 43.599 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 44.937 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 54.66 Mbit/s
95th percentile per-packet one-way delay: 35.334 ms
Loss rate: 0.49%

Run 4: Report of TCP Vegas — Data Link

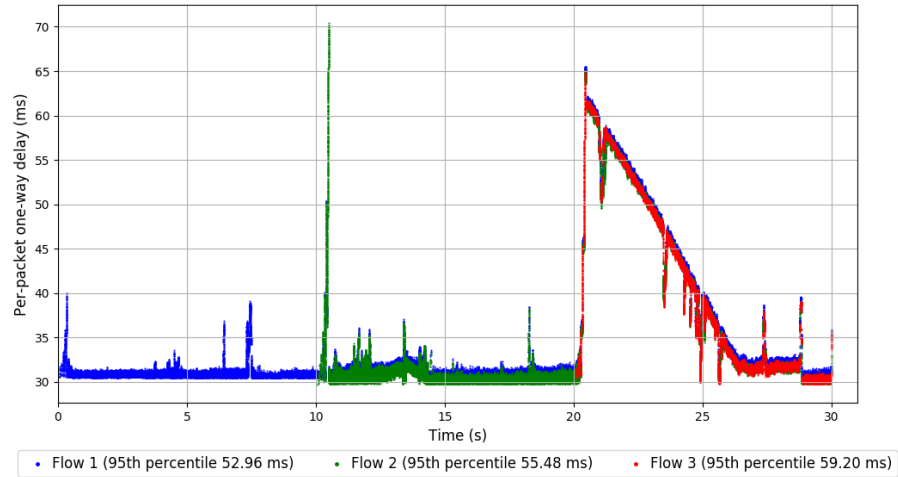
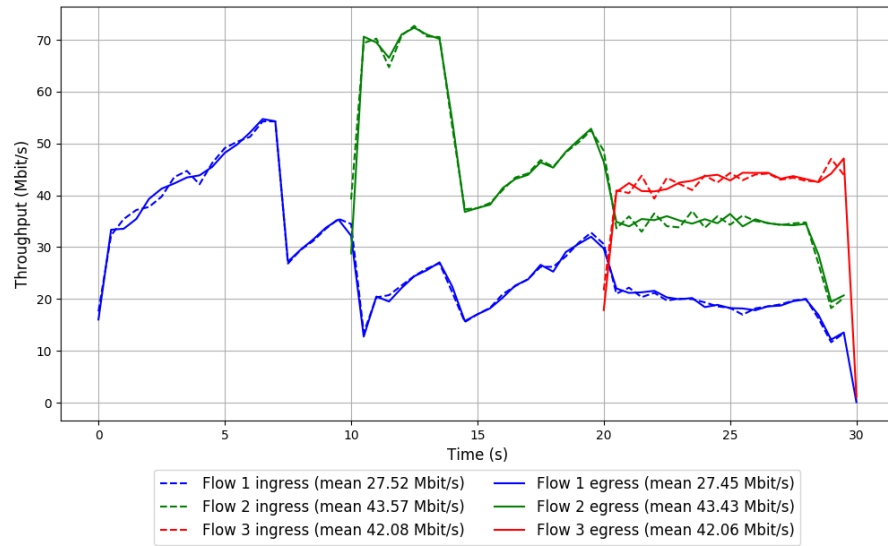


Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 16:10:51
End at: 2018-01-26 16:11:21
Local clock offset: 1.029 ms
Remote clock offset: -1.984 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 56.165 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 52.958 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 43.43 Mbit/s
95th percentile per-packet one-way delay: 55.480 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 59.197 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

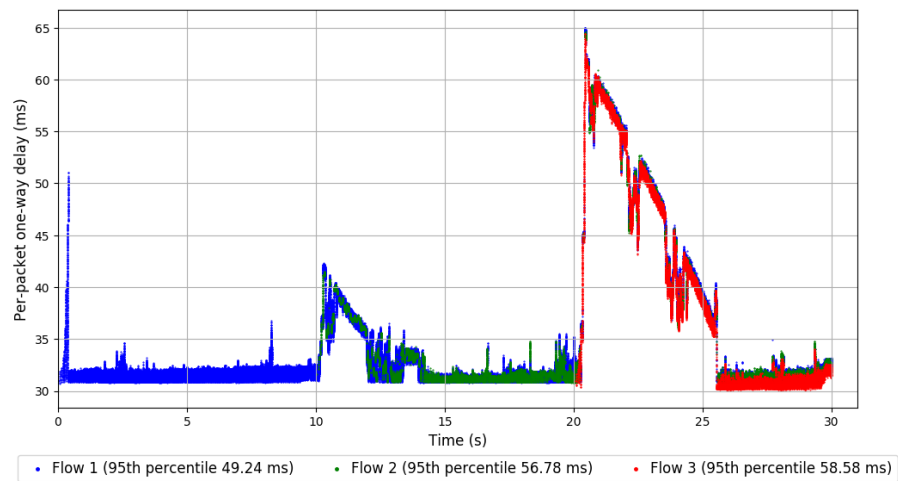
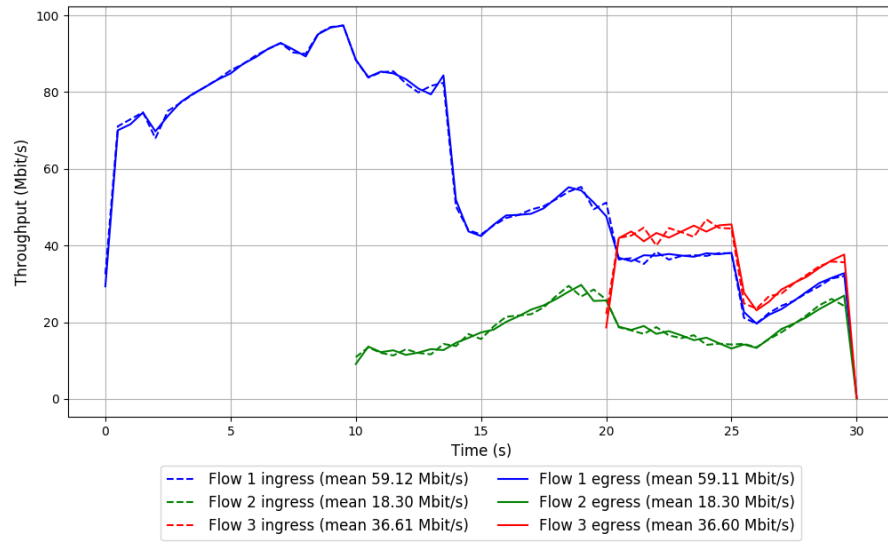


Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 16:34:05
End at: 2018-01-26 16:34:35
Local clock offset: 0.846 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.45 Mbit/s
95th percentile per-packet one-way delay: 55.919 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 49.240 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 56.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 58.582 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link

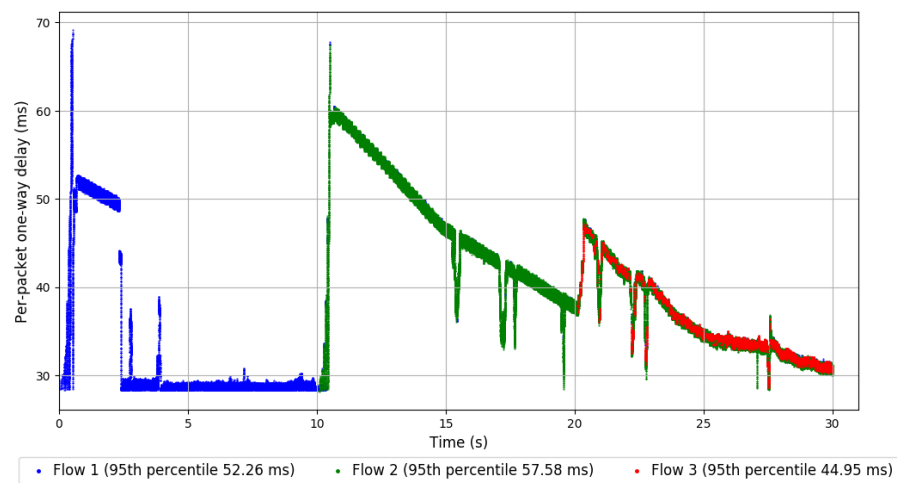
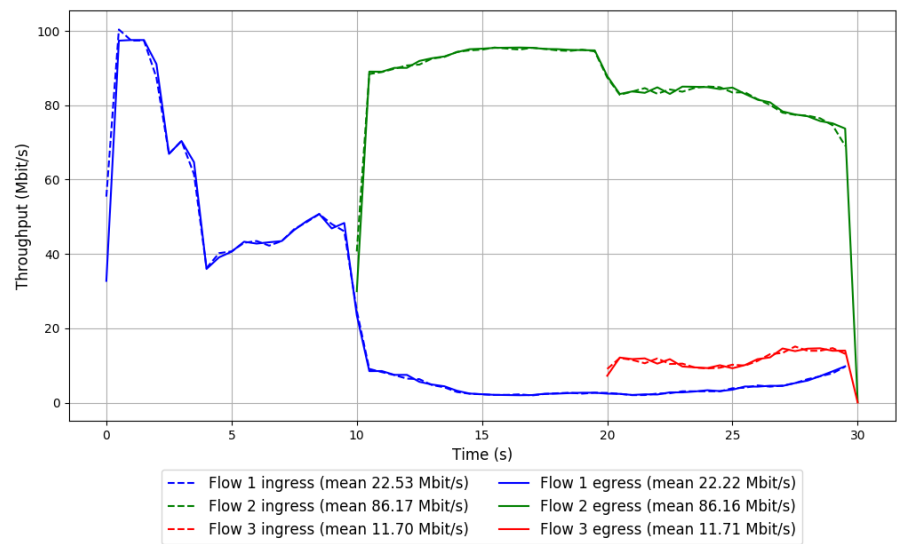


Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 16:58:00
End at: 2018-01-26 16:58:30
Local clock offset: 0.842 ms
Remote clock offset: -4.412 ms

Below is generated by plot.py at 2018-01-26 18:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 56.716 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 52.256 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 57.576 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 44.950 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

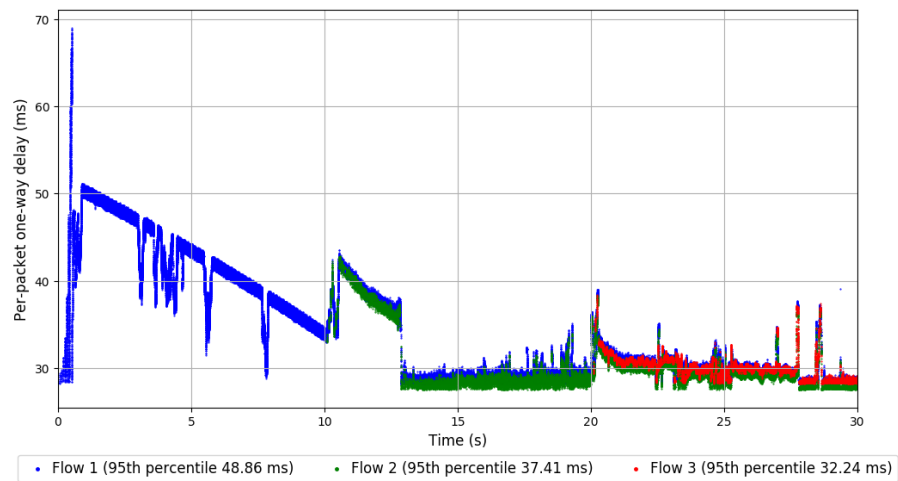
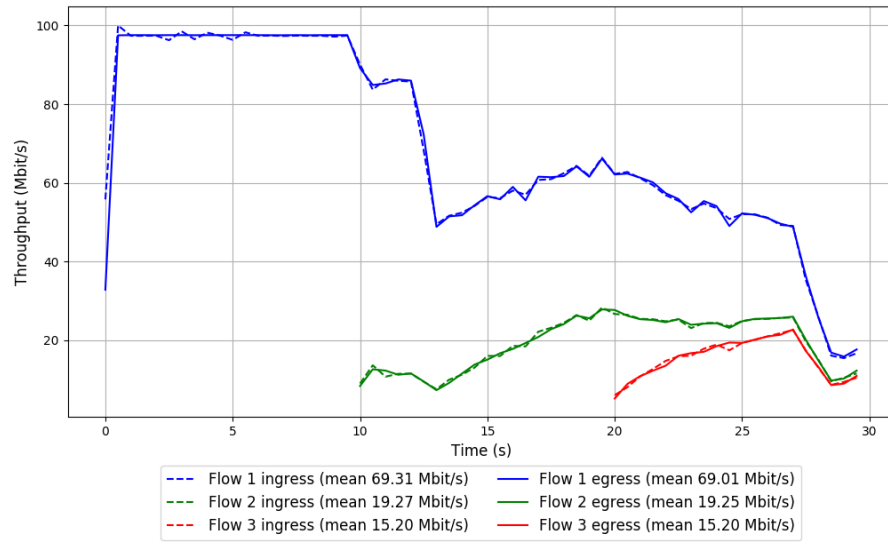


Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 17:21:11
End at: 2018-01-26 17:21:41
Local clock offset: 0.907 ms
Remote clock offset: -4.474 ms

Below is generated by plot.py at 2018-01-26 18:45:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 48.399 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.01 Mbit/s
95th percentile per-packet one-way delay: 48.858 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 37.412 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 15.20 Mbit/s
95th percentile per-packet one-way delay: 32.245 ms
Loss rate: 0.12%

Run 8: Report of TCP Vegas — Data Link

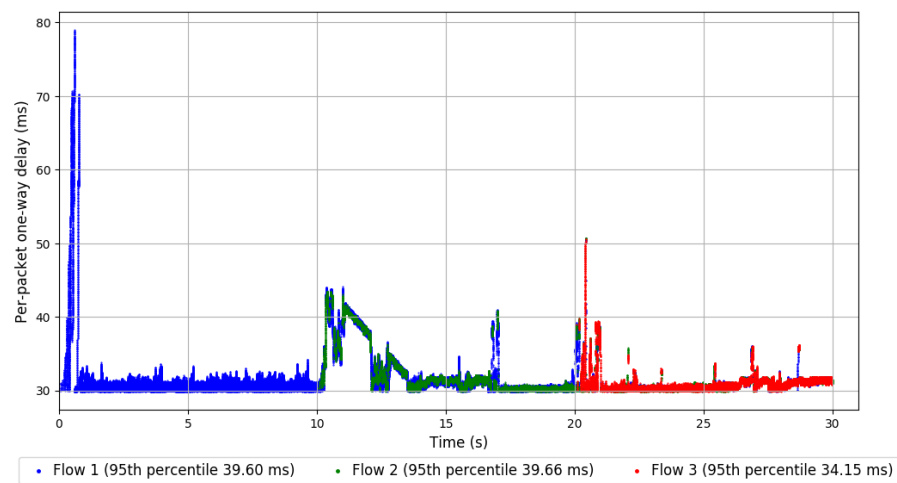
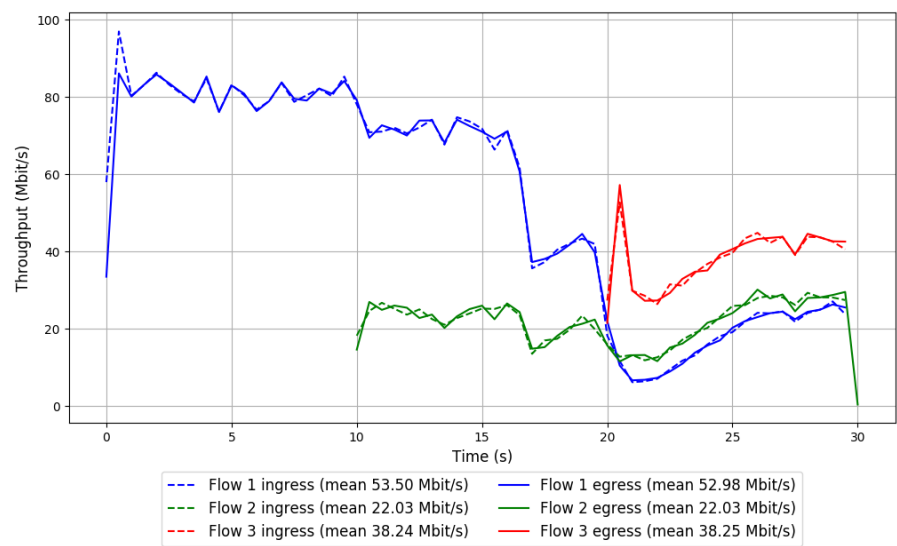


Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 17:45:15
End at: 2018-01-26 17:45:45
Local clock offset: 0.804 ms
Remote clock offset: -2.719 ms

Below is generated by plot.py at 2018-01-26 18:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.30 Mbit/s
95th percentile per-packet one-way delay: 39.155 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 52.98 Mbit/s
95th percentile per-packet one-way delay: 39.596 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 22.03 Mbit/s
95th percentile per-packet one-way delay: 39.661 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 34.150 ms
Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link

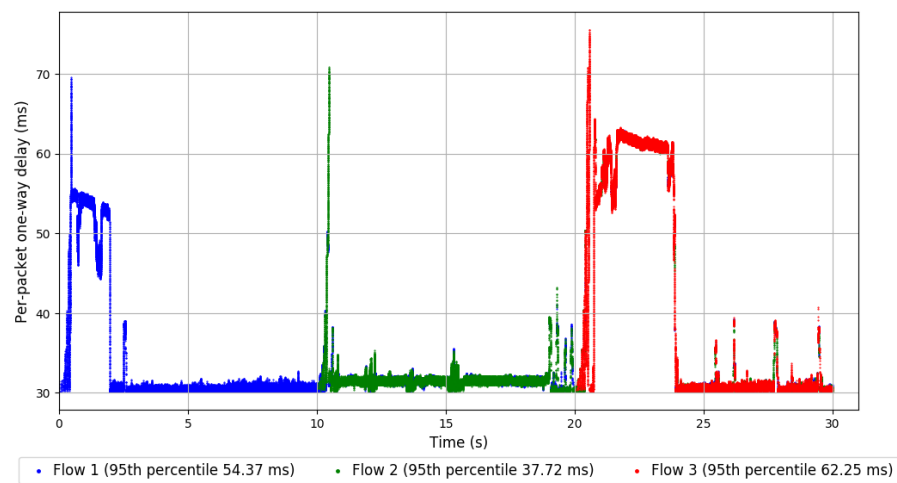
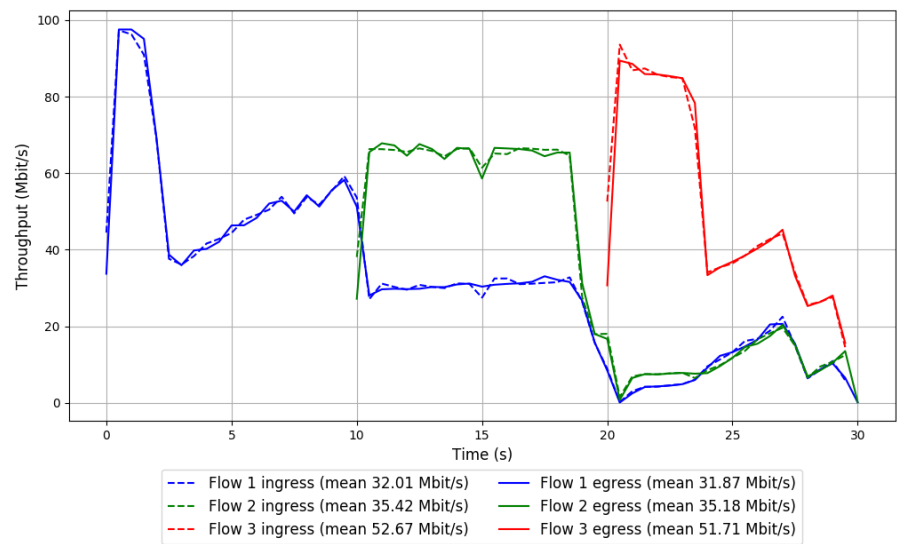


Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 18:09:13
End at: 2018-01-26 18:09:43
Local clock offset: 0.899 ms
Remote clock offset: -3.154 ms

Below is generated by plot.py at 2018-01-26 18:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.48 Mbit/s
95th percentile per-packet one-way delay: 61.436 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 54.369 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 37.724 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 62.254 ms
Loss rate: 1.82%

Run 10: Report of TCP Vegas — Data Link

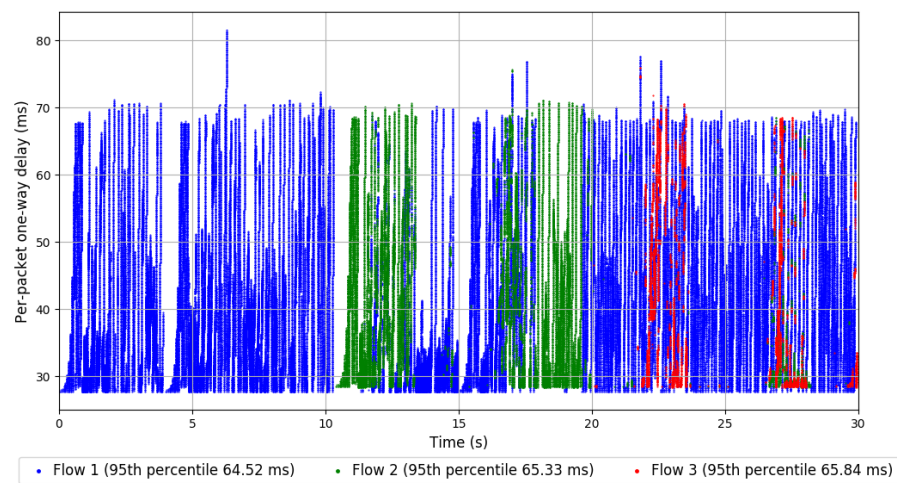
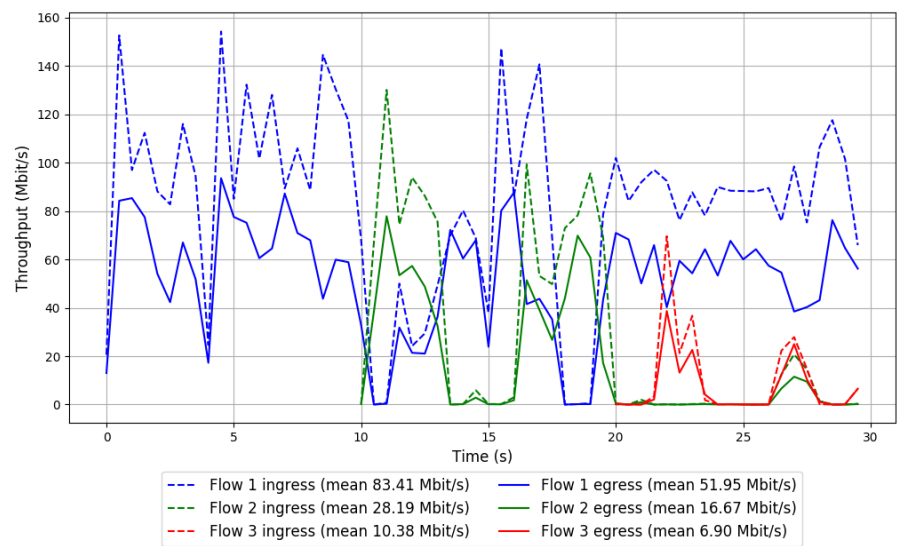


Run 1: Statistics of Verus

Start at: 2018-01-26 14:21:18
End at: 2018-01-26 14:21:48
Local clock offset: 1.738 ms
Remote clock offset: -3.156 ms

Below is generated by plot.py at 2018-01-26 18:45:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.09 Mbit/s
95th percentile per-packet one-way delay: 64.689 ms
Loss rate: 38.16%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 64.523 ms
Loss rate: 37.70%
-- Flow 2:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 65.329 ms
Loss rate: 41.02%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 65.843 ms
Loss rate: 33.62%

Run 1: Report of Verus — Data Link

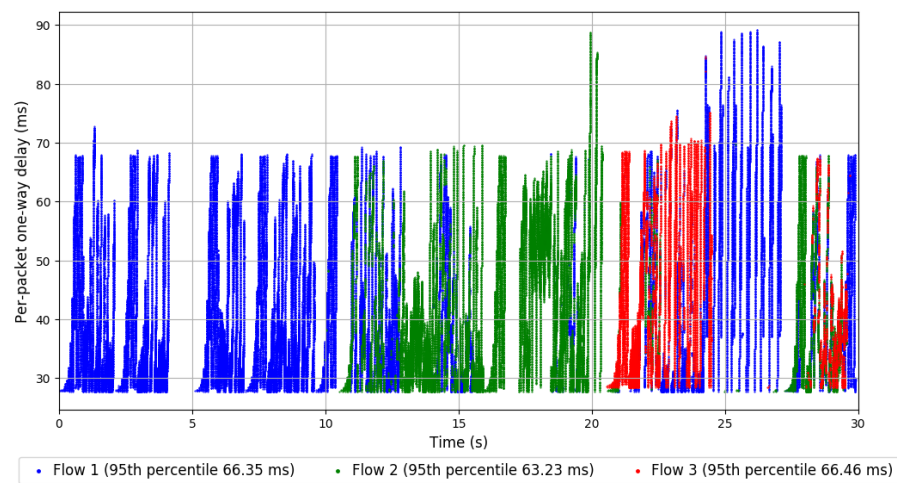
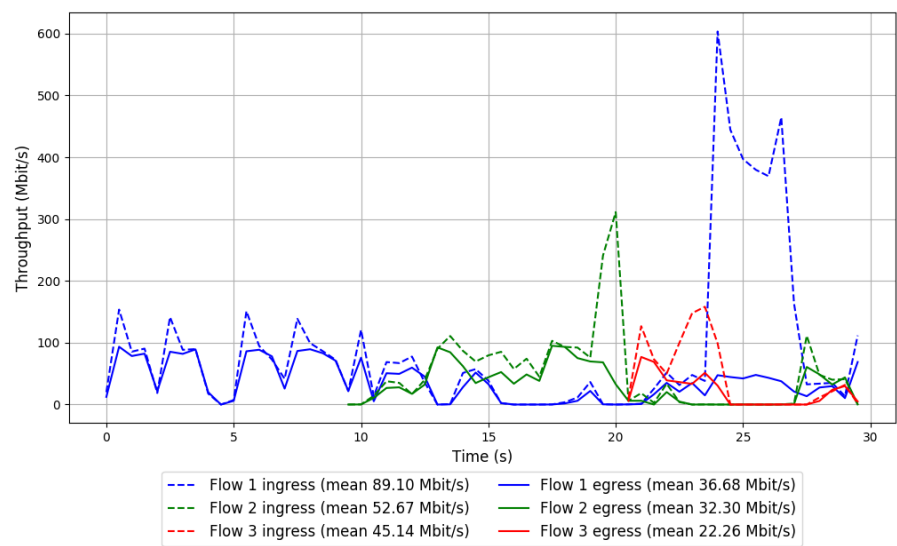


Run 2: Statistics of Verus

Start at: 2018-01-26 14:43:33
End at: 2018-01-26 14:44:03
Local clock offset: 1.591 ms
Remote clock offset: -3.685 ms

Below is generated by plot.py at 2018-01-26 18:45:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 65.502 ms
Loss rate: 53.02%
-- Flow 1:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 66.349 ms
Loss rate: 58.83%
-- Flow 2:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 63.226 ms
Loss rate: 38.85%
-- Flow 3:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 66.464 ms
Loss rate: 51.02%

Run 2: Report of Verus — Data Link

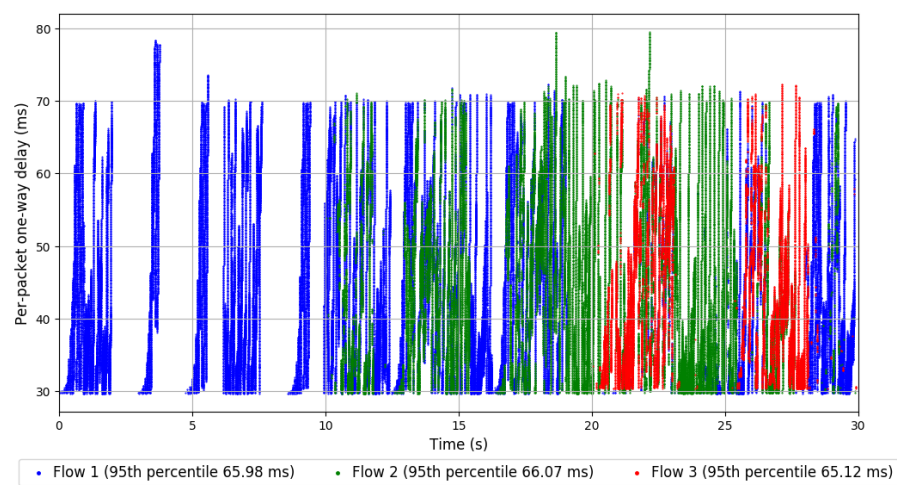
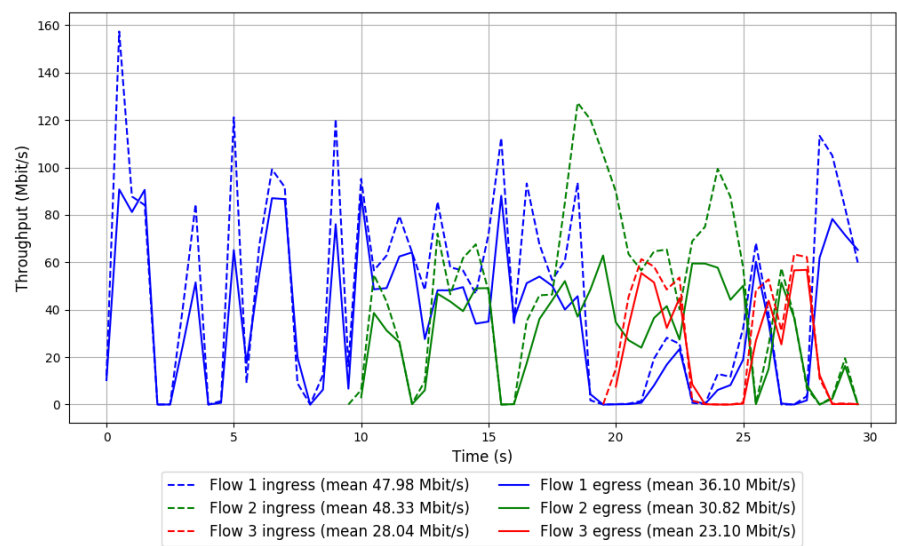


Run 3: Statistics of Verus

Start at: 2018-01-26 15:07:37
End at: 2018-01-26 15:08:07
Local clock offset: 1.52 ms
Remote clock offset: -2.151 ms

Below is generated by plot.py at 2018-01-26 18:45:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 65.903 ms
Loss rate: 28.14%
-- Flow 1:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 24.69%
-- Flow 2:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 36.30%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 65.125 ms
Loss rate: 17.63%

Run 3: Report of Verus — Data Link

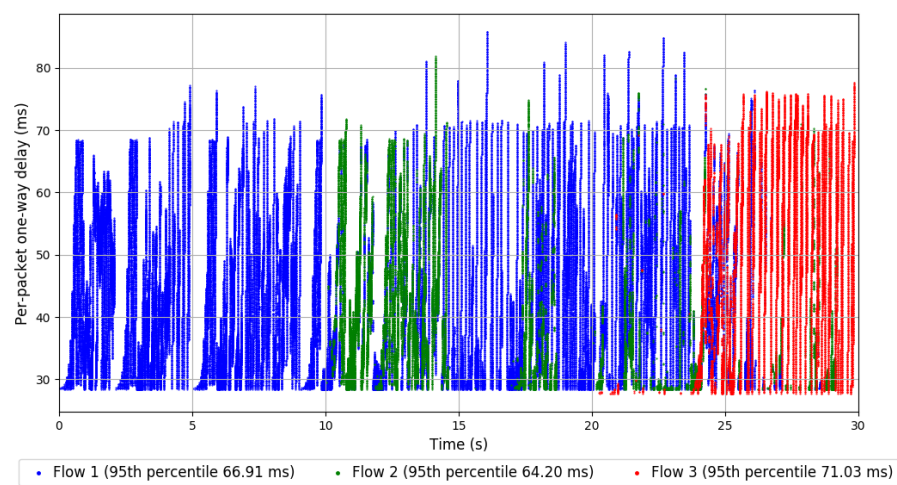
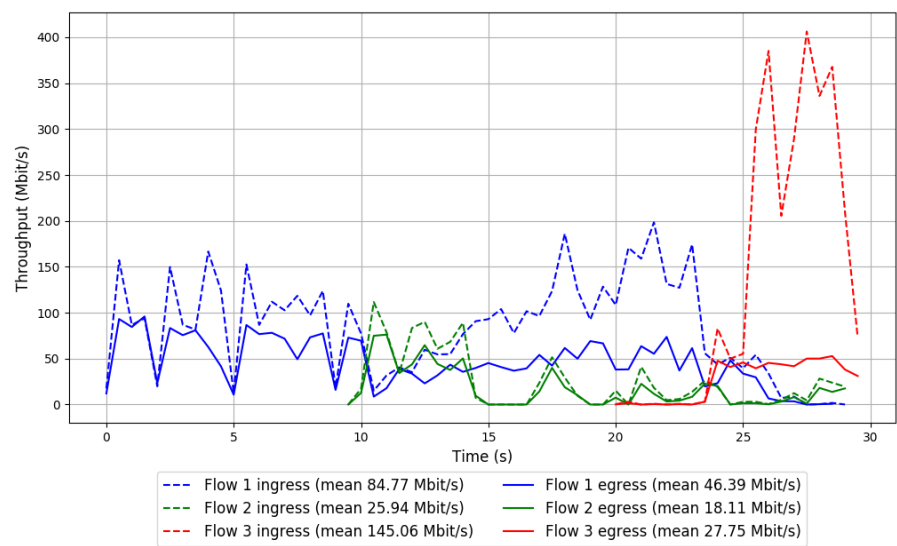


Run 4: Statistics of Verus

Start at: 2018-01-26 15:31:34
End at: 2018-01-26 15:32:04
Local clock offset: 1.272 ms
Remote clock offset: -5.039 ms

Below is generated by plot.py at 2018-01-26 18:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 67.492 ms
Loss rate: 55.49%
-- Flow 1:
Average throughput: 46.39 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 46.43%
-- Flow 2:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 64.198 ms
Loss rate: 30.24%
-- Flow 3:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 71.029 ms
Loss rate: 80.77%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-01-26 15:55:16

End at: 2018-01-26 15:55:46

Local clock offset: 1.126 ms

Remote clock offset: -2.01 ms

Below is generated by plot.py at 2018-01-26 18:46:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.34 Mbit/s

95th percentile per-packet one-way delay: 68.167 ms

Loss rate: 39.19%

-- Flow 1:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 68.146 ms

Loss rate: 38.94%

-- Flow 2:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 66.535 ms

Loss rate: 35.41%

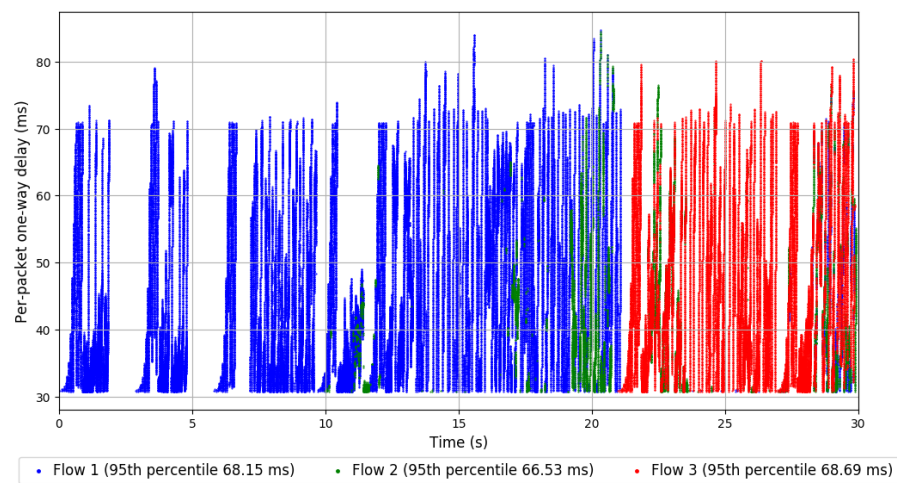
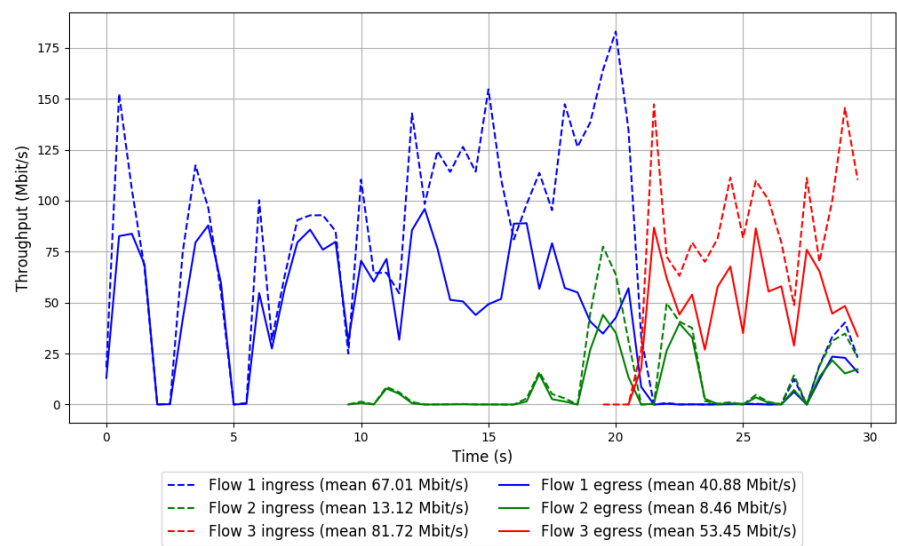
-- Flow 3:

Average throughput: 53.45 Mbit/s

95th percentile per-packet one-way delay: 68.692 ms

Loss rate: 41.05%

Run 5: Report of Verus — Data Link

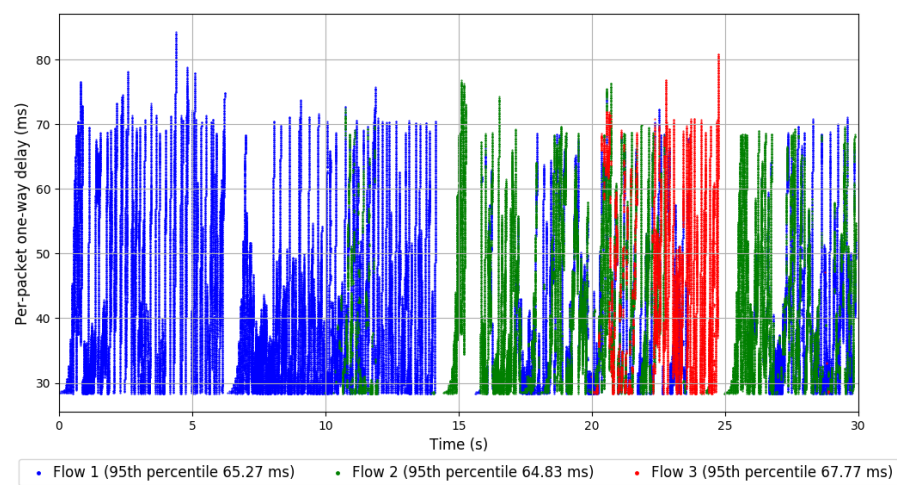
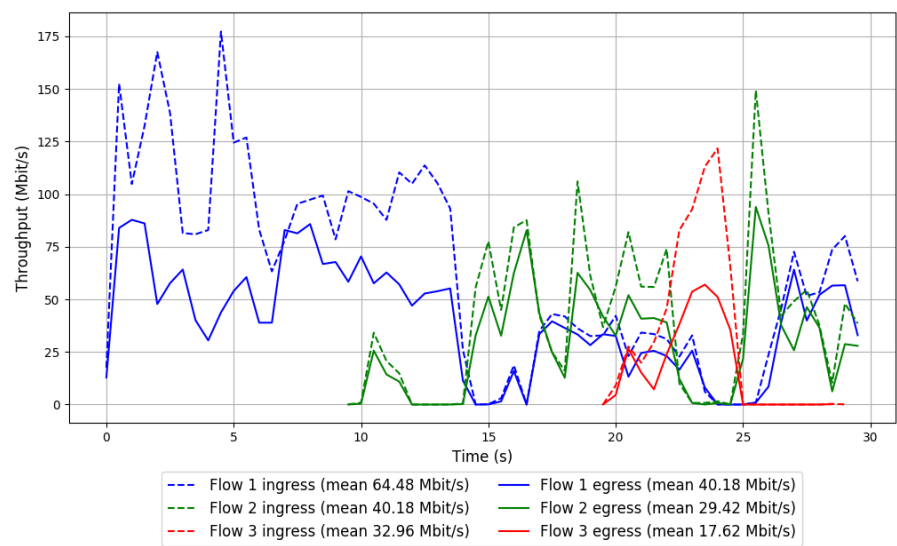


Run 6: Statistics of Verus

Start at: 2018-01-26 16:18:06
End at: 2018-01-26 16:18:36
Local clock offset: 0.959 ms
Remote clock offset: -3.927 ms

Below is generated by plot.py at 2018-01-26 18:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 65.397 ms
Loss rate: 35.84%
-- Flow 1:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 65.269 ms
Loss rate: 37.64%
-- Flow 2:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 64.829 ms
Loss rate: 26.68%
-- Flow 3:
Average throughput: 17.62 Mbit/s
95th percentile per-packet one-way delay: 67.765 ms
Loss rate: 48.55%

Run 6: Report of Verus — Data Link

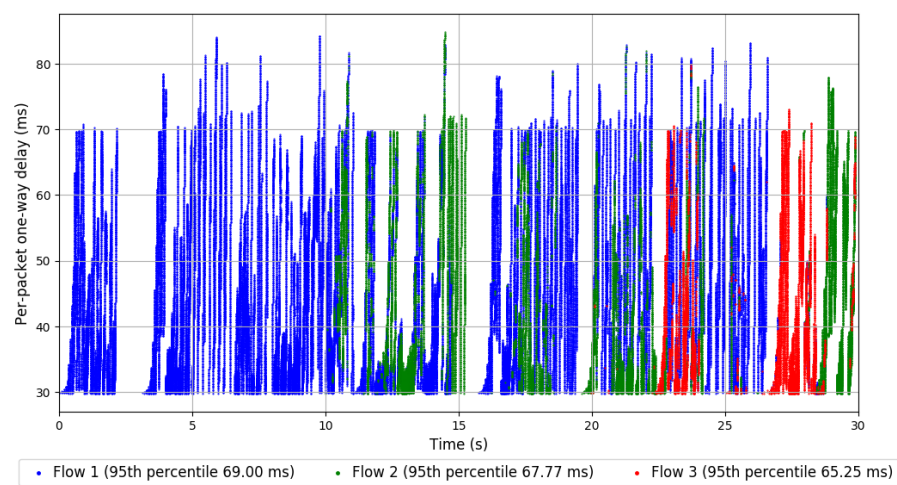
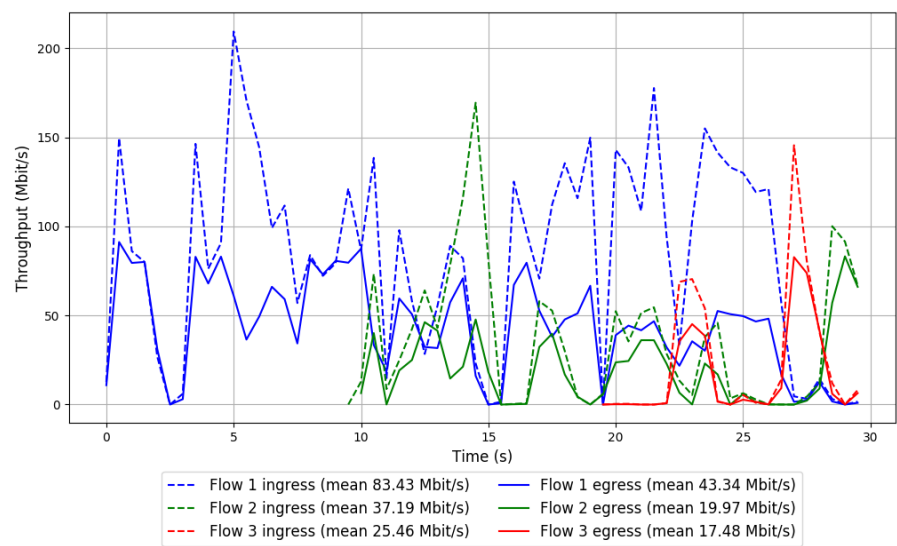


Run 7: Statistics of Verus

Start at: 2018-01-26 16:41:32
End at: 2018-01-26 16:42:02
Local clock offset: 0.804 ms
Remote clock offset: -2.082 ms

Below is generated by plot.py at 2018-01-26 18:46:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.43 Mbit/s
95th percentile per-packet one-way delay: 68.464 ms
Loss rate: 46.46%
-- Flow 1:
Average throughput: 43.34 Mbit/s
95th percentile per-packet one-way delay: 69.004 ms
Loss rate: 48.04%
-- Flow 2:
Average throughput: 19.97 Mbit/s
95th percentile per-packet one-way delay: 67.769 ms
Loss rate: 46.28%
-- Flow 3:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 65.253 ms
Loss rate: 31.33%

Run 7: Report of Verus — Data Link

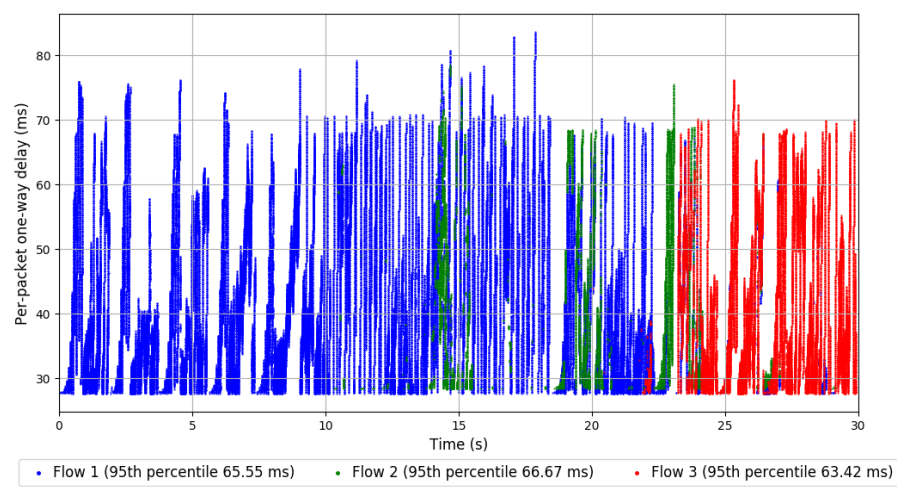
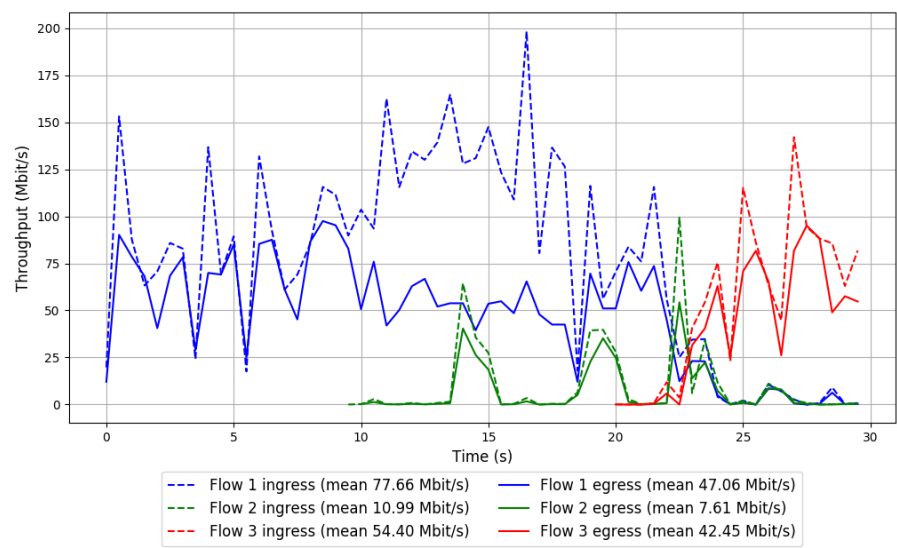


Run 8: Statistics of Verus

Start at: 2018-01-26 17:05:03
End at: 2018-01-26 17:05:33
Local clock offset: 0.864 ms
Remote clock offset: -4.397 ms

Below is generated by plot.py at 2018-01-26 18:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 65.285 ms
Loss rate: 35.85%
-- Flow 1:
Average throughput: 47.06 Mbit/s
95th percentile per-packet one-way delay: 65.548 ms
Loss rate: 39.52%
-- Flow 2:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 66.675 ms
Loss rate: 30.99%
-- Flow 3:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 63.417 ms
Loss rate: 22.06%

Run 8: Report of Verus — Data Link

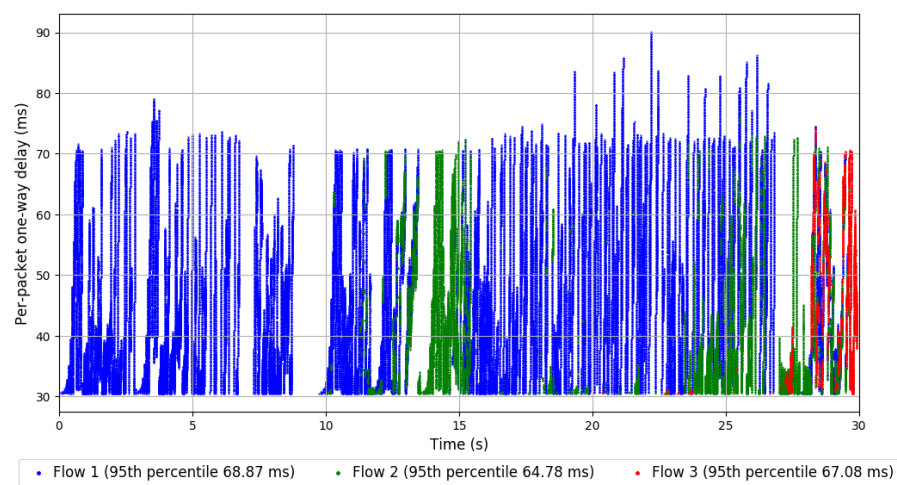
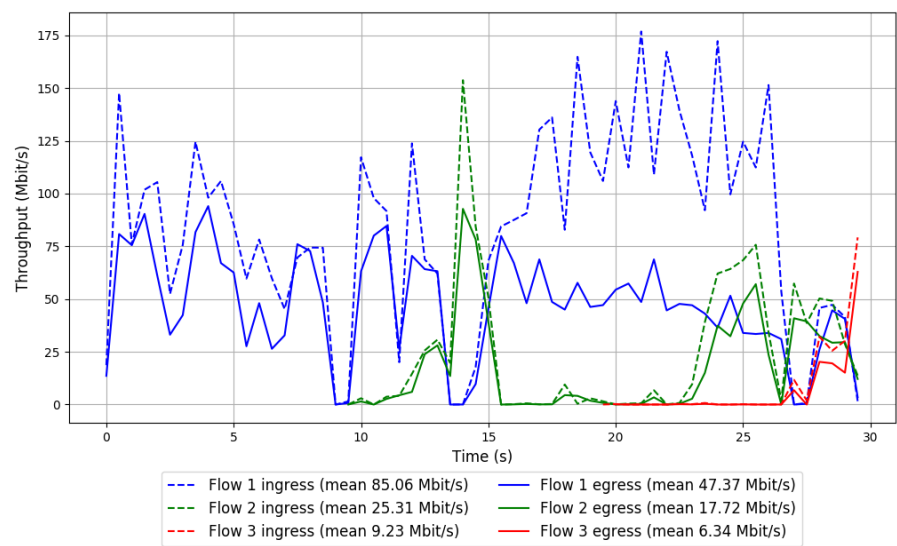


Run 9: Statistics of Verus

Start at: 2018-01-26 17:28:27
End at: 2018-01-26 17:28:57
Local clock offset: 0.851 ms
Remote clock offset: -2.381 ms

Below is generated by plot.py at 2018-01-26 18:46:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 68.206 ms
Loss rate: 41.69%
-- Flow 1:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 68.869 ms
Loss rate: 44.42%
-- Flow 2:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 64.781 ms
Loss rate: 29.95%
-- Flow 3:
Average throughput: 6.34 Mbit/s
95th percentile per-packet one-way delay: 67.080 ms
Loss rate: 31.33%

Run 9: Report of Verus — Data Link

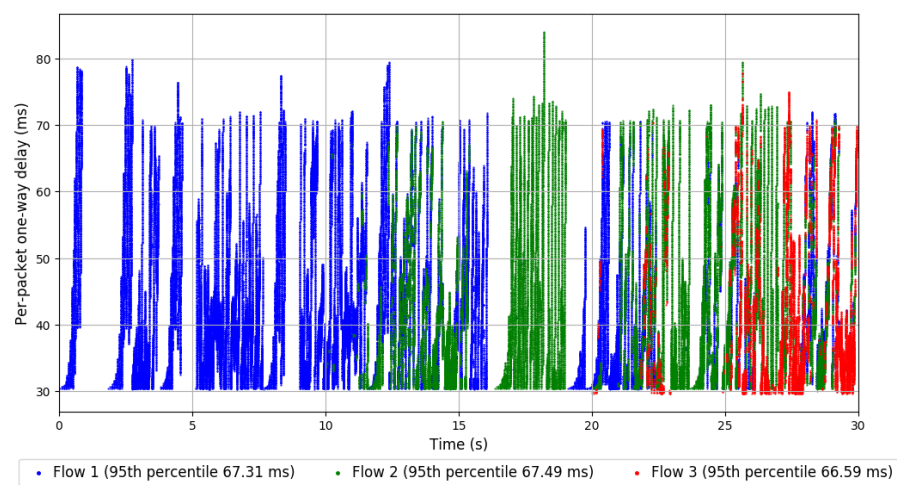
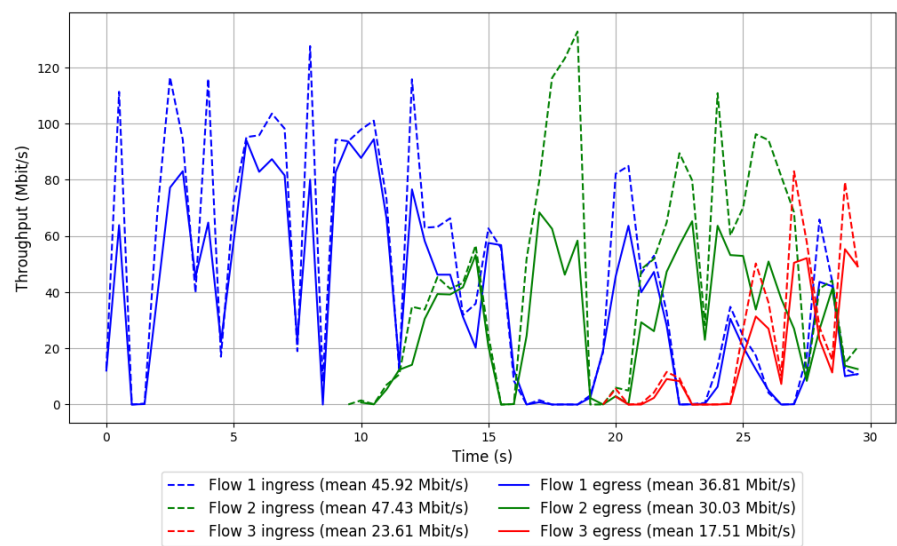


Run 10: Statistics of Verus

Start at: 2018-01-26 17:52:33
End at: 2018-01-26 17:53:03
Local clock offset: 0.894 ms
Remote clock offset: -2.998 ms

Below is generated by plot.py at 2018-01-26 18:46:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.52 Mbit/s
95th percentile per-packet one-way delay: 67.308 ms
Loss rate: 26.63%
-- Flow 1:
Average throughput: 36.81 Mbit/s
95th percentile per-packet one-way delay: 67.315 ms
Loss rate: 19.75%
-- Flow 2:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 67.489 ms
Loss rate: 36.84%
-- Flow 3:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 66.587 ms
Loss rate: 25.73%

Run 10: Report of Verus — Data Link

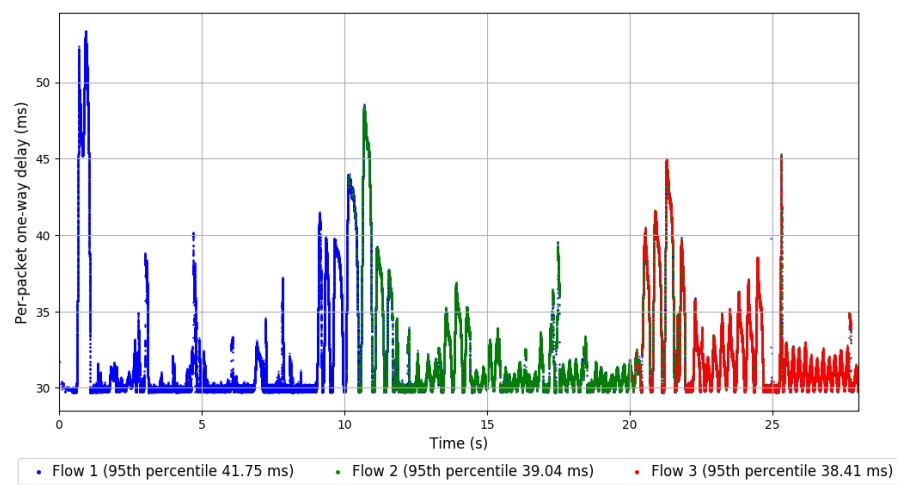
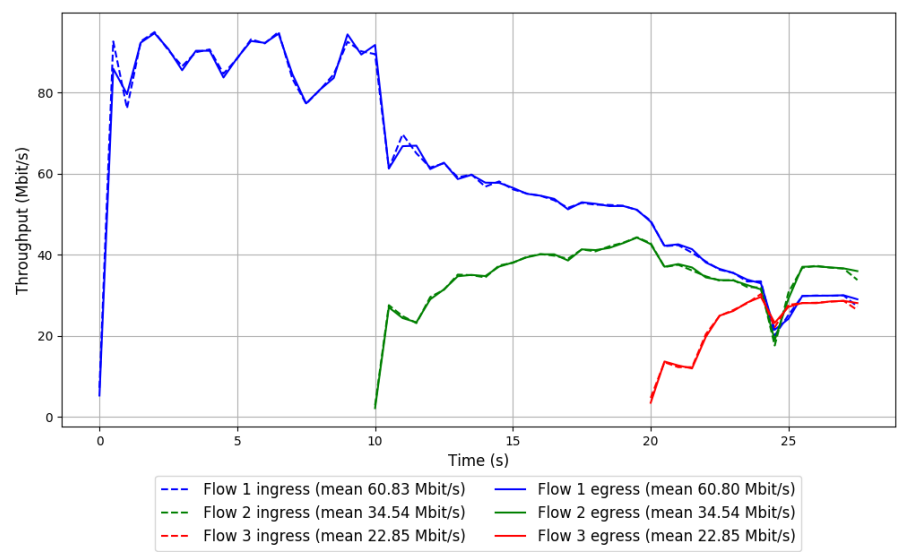


Run 1: Statistics of Copa

Start at: 2018-01-26 14:30:51
End at: 2018-01-26 14:31:21
Local clock offset: 1.737 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2018-01-26 18:48:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 40.671 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.80 Mbit/s
95th percentile per-packet one-way delay: 41.746 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.54 Mbit/s
95th percentile per-packet one-way delay: 39.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 38.410 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

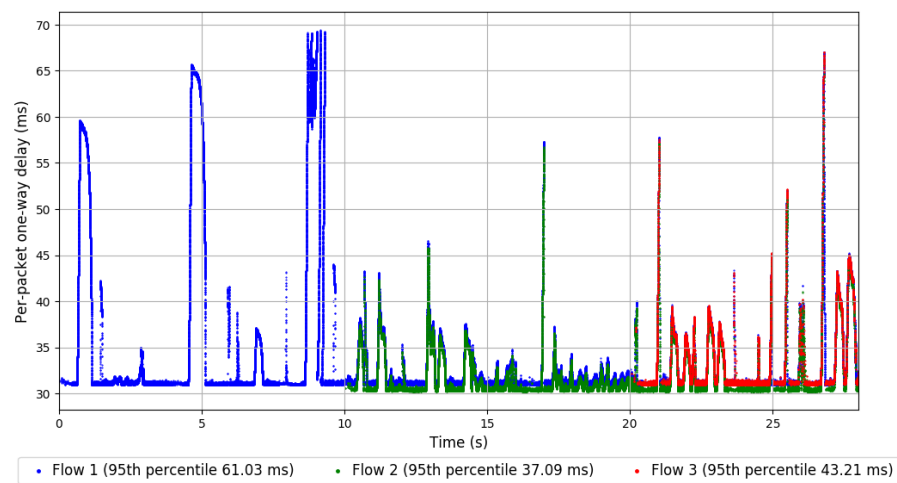
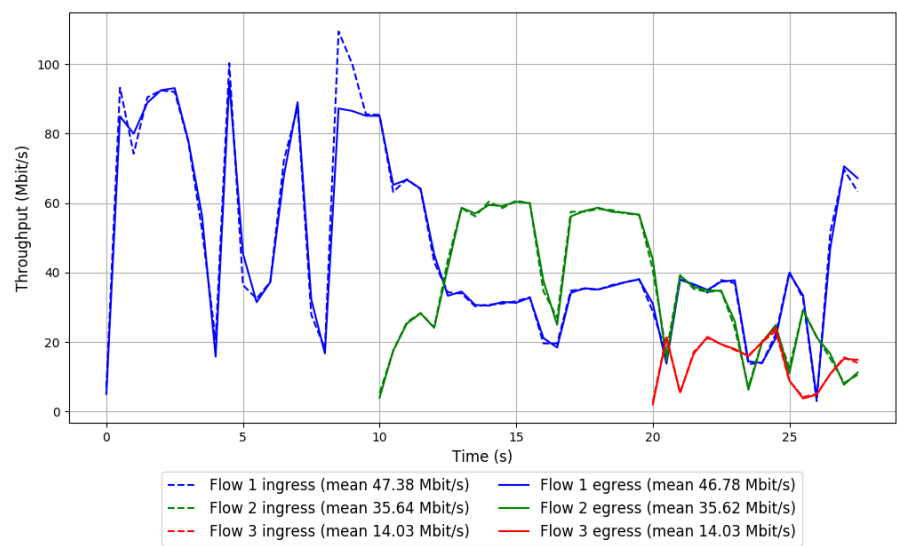


Run 2: Statistics of Copa

Start at: 2018-01-26 14:53:45
End at: 2018-01-26 14:54:15
Local clock offset: 1.641 ms
Remote clock offset: -1.215 ms

Below is generated by plot.py at 2018-01-26 18:48:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 57.680 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 61.029 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 37.086 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 43.207 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link

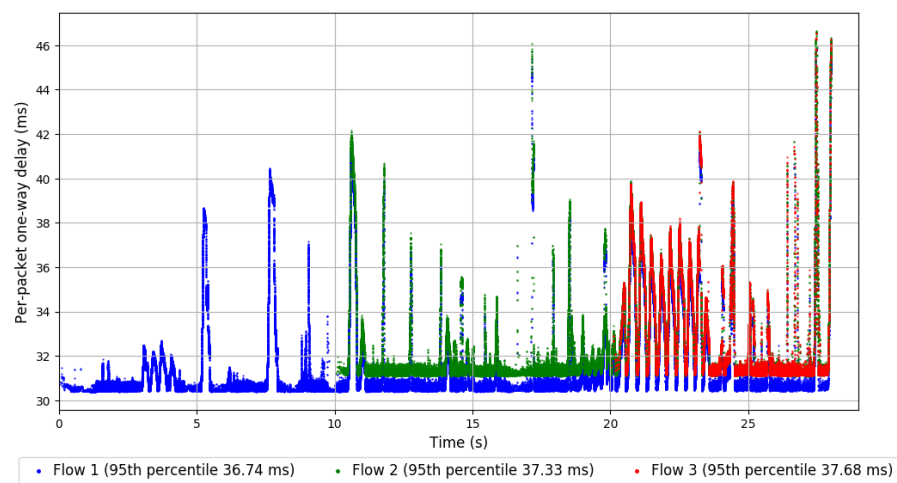
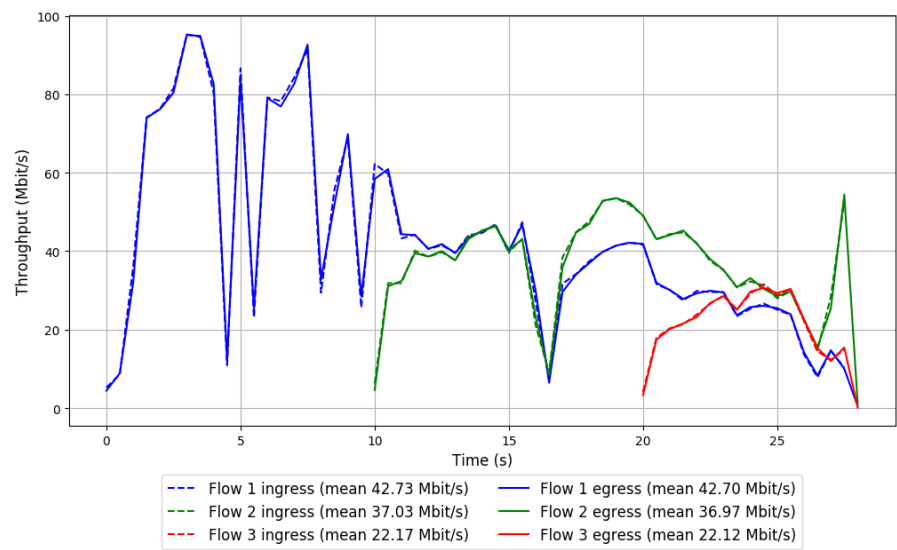


Run 3: Statistics of Copa

Start at: 2018-01-26 15:17:29
End at: 2018-01-26 15:17:59
Local clock offset: 1.37 ms
Remote clock offset: -2.061 ms

Below is generated by plot.py at 2018-01-26 18:48:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.72 Mbit/s
95th percentile per-packet one-way delay: 37.217 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 36.741 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 37.325 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 37.678 ms
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

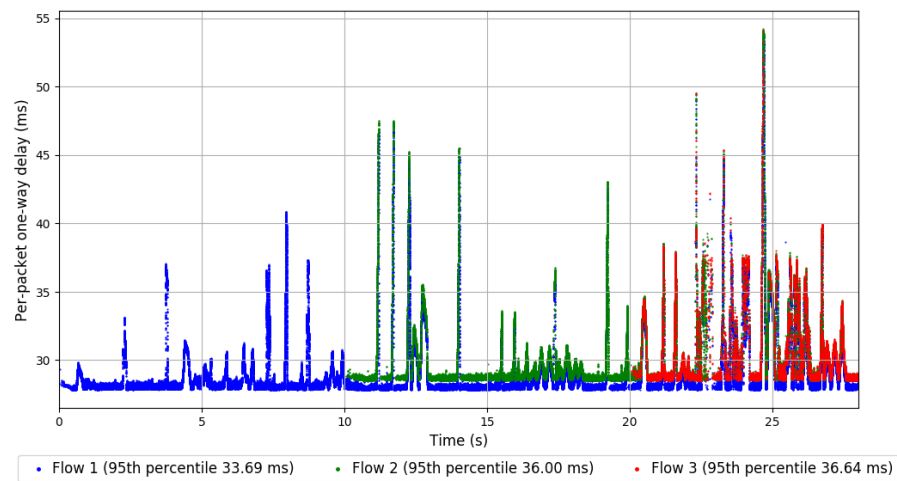
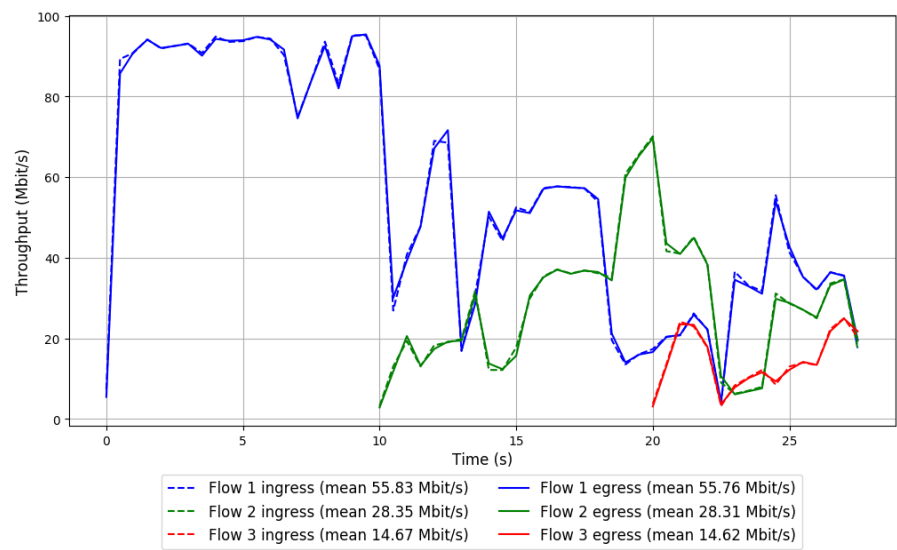


Run 4: Statistics of Copa

Start at: 2018-01-26 15:41:47
End at: 2018-01-26 15:42:17
Local clock offset: 1.17 ms
Remote clock offset: -4.784 ms

Below is generated by plot.py at 2018-01-26 18:48:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 34.681 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.76 Mbit/s
95th percentile per-packet one-way delay: 33.688 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 28.31 Mbit/s
95th percentile per-packet one-way delay: 35.999 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 36.641 ms
Loss rate: 0.35%

Run 4: Report of Copa — Data Link

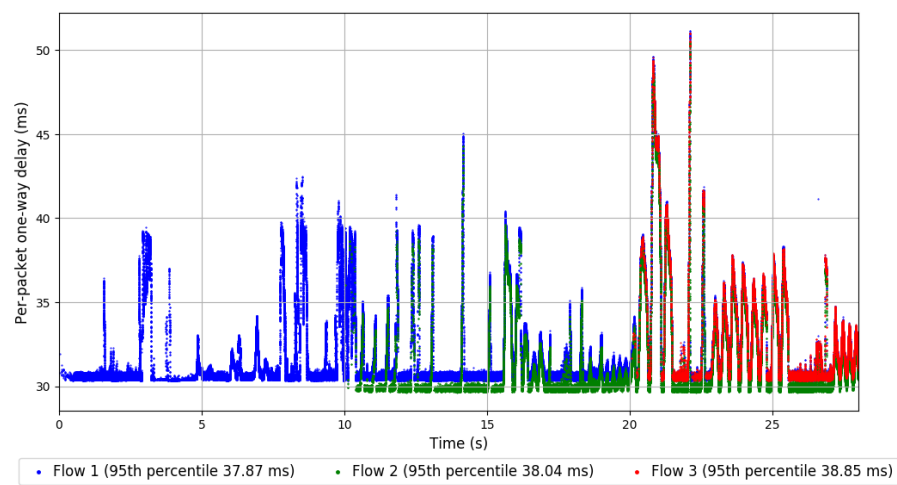
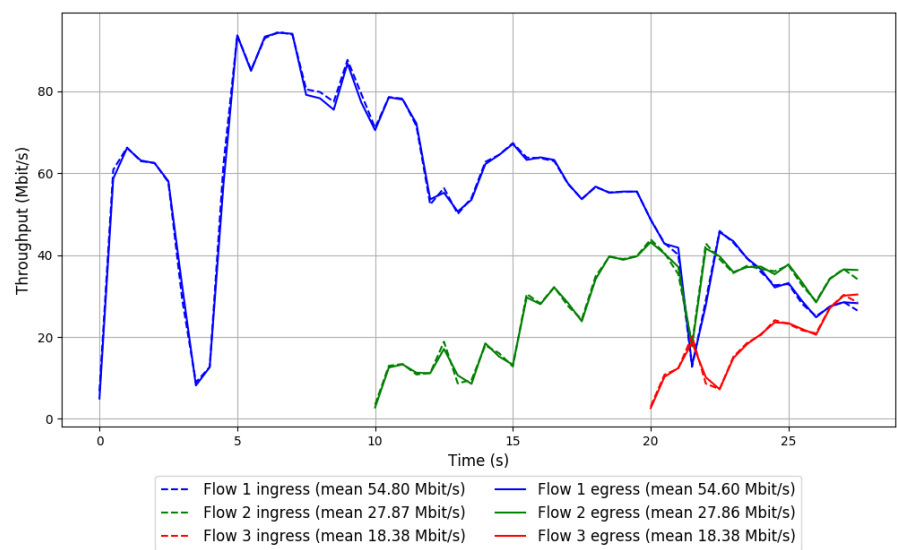


Run 5: Statistics of Copa

Start at: 2018-01-26 16:04:55
End at: 2018-01-26 16:05:25
Local clock offset: 1.088 ms
Remote clock offset: -2.222 ms

Below is generated by plot.py at 2018-01-26 18:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 37.964 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 37.872 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 38.038 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 38.850 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

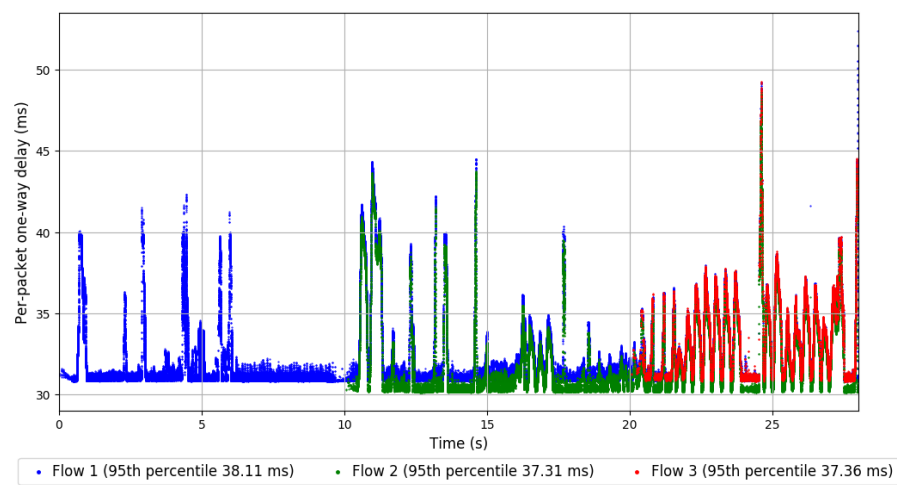
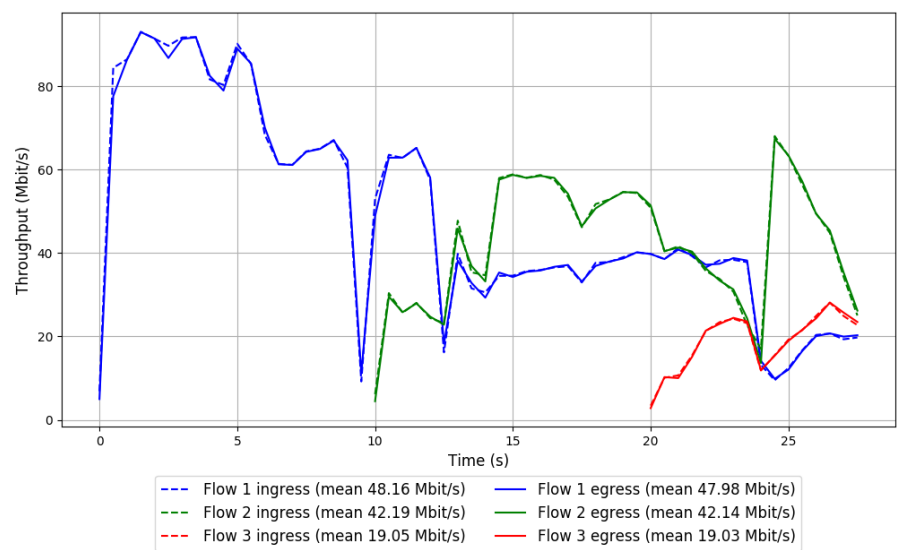


Run 6: Statistics of Copa

Start at: 2018-01-26 16:27:56
End at: 2018-01-26 16:28:26
Local clock offset: 0.882 ms
Remote clock offset: -1.599 ms

Below is generated by plot.py at 2018-01-26 18:48:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 37.652 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 38.112 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 37.312 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 37.364 ms
Loss rate: 0.12%

Run 6: Report of Copa — Data Link

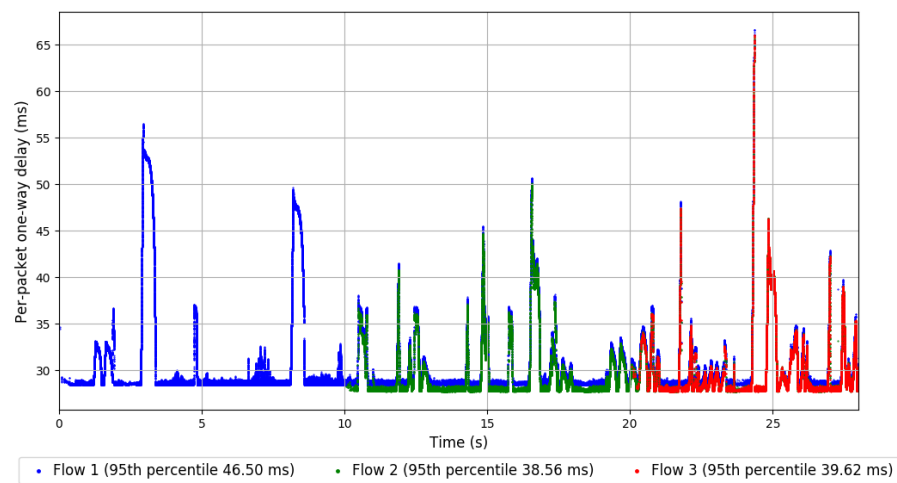
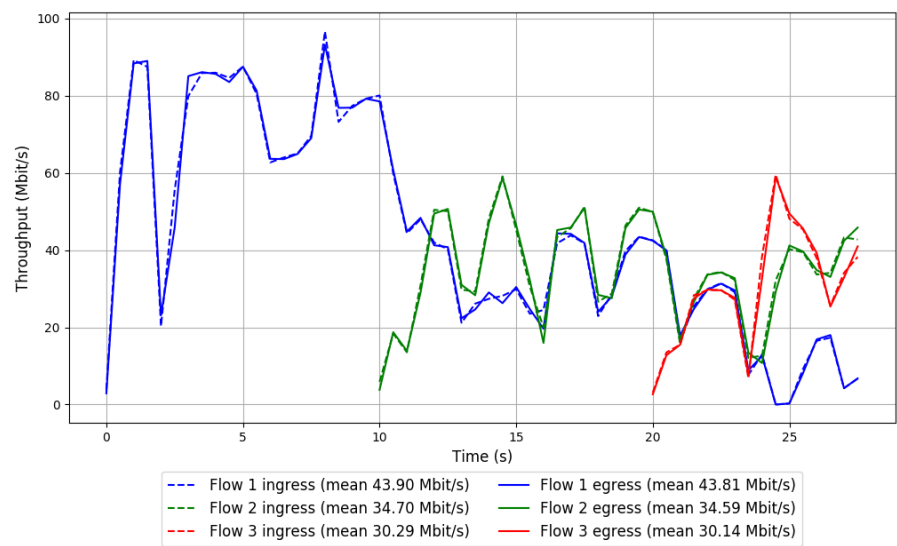


Run 7: Statistics of Copa

Start at: 2018-01-26 16:51:49
End at: 2018-01-26 16:52:19
Local clock offset: 0.72 ms
Remote clock offset: -4.334 ms

Below is generated by plot.py at 2018-01-26 18:48:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.56 Mbit/s
95th percentile per-packet one-way delay: 41.308 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 43.81 Mbit/s
95th percentile per-packet one-way delay: 46.497 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 38.561 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 39.621 ms
Loss rate: 0.55%

Run 7: Report of Copa — Data Link

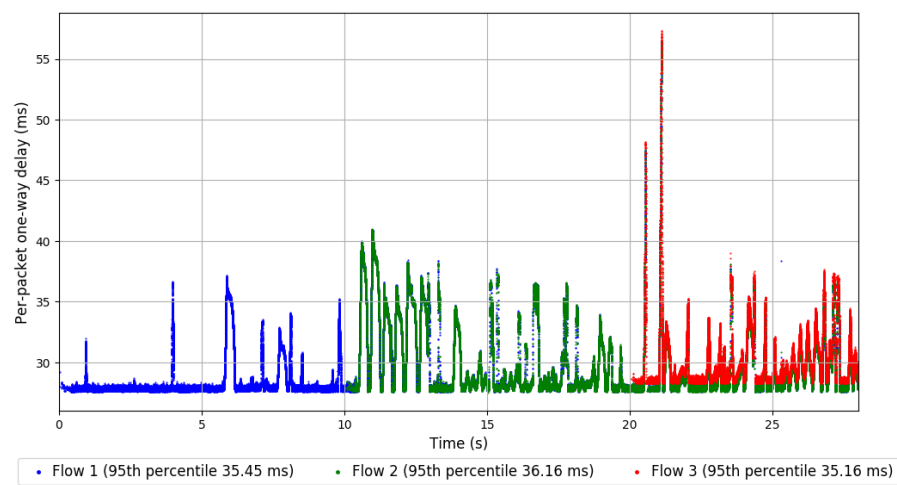
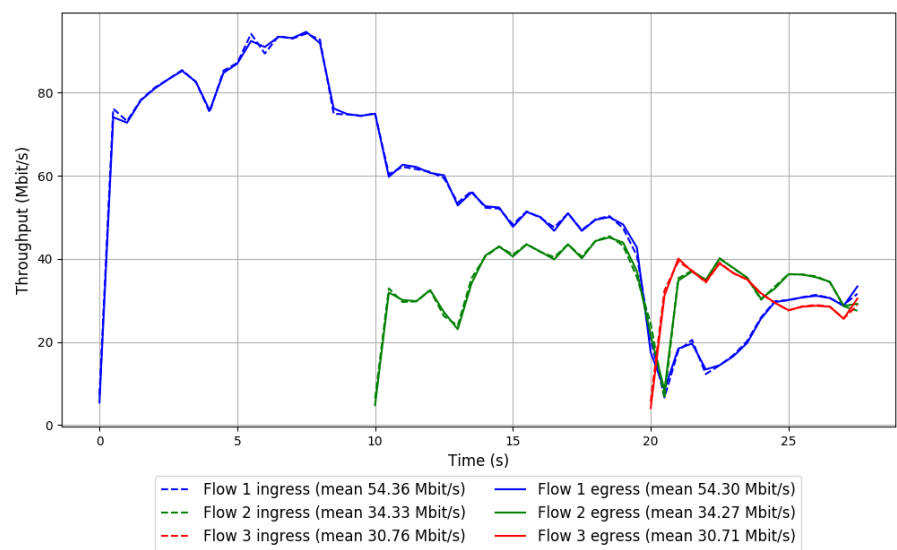


Run 8: Statistics of Copa

Start at: 2018-01-26 17:14:53
End at: 2018-01-26 17:15:23
Local clock offset: 0.892 ms
Remote clock offset: -4.546 ms

Below is generated by plot.py at 2018-01-26 18:48:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 35.723 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 35.455 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 36.155 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.71 Mbit/s
95th percentile per-packet one-way delay: 35.162 ms
Loss rate: 0.17%

Run 8: Report of Copa — Data Link

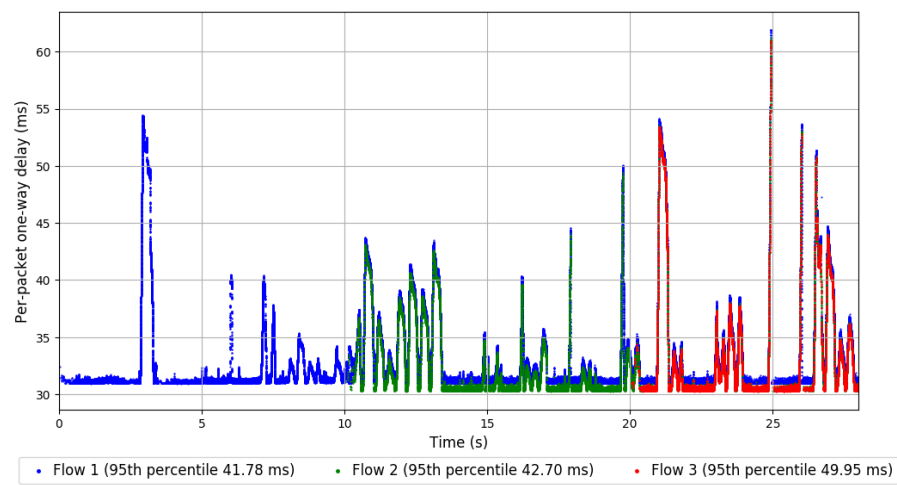
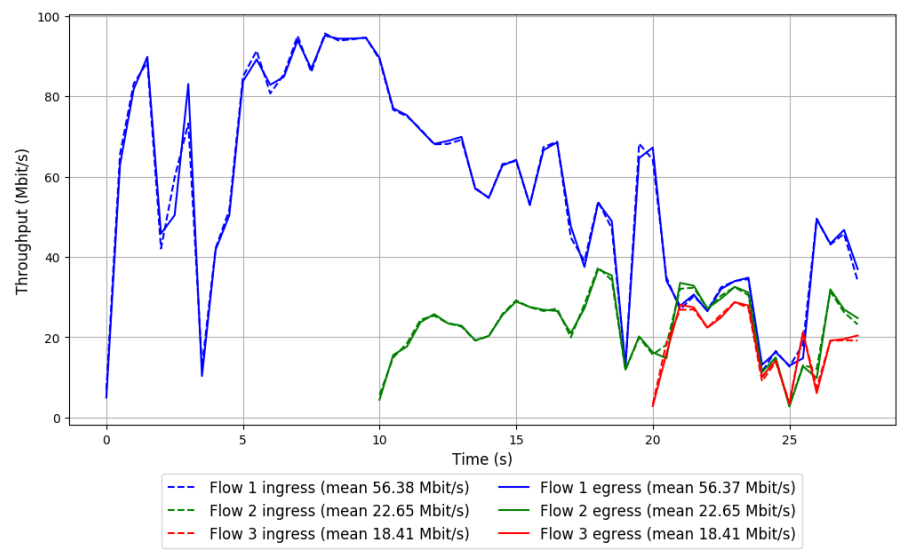


Run 9: Statistics of Copa

Start at: 2018-01-26 17:38:25
End at: 2018-01-26 17:38:55
Local clock offset: 0.857 ms
Remote clock offset: -2.106 ms

```
# Below is generated by plot.py at 2018-01-26 18:50:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 42.242 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 41.782 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 42.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 49.952 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

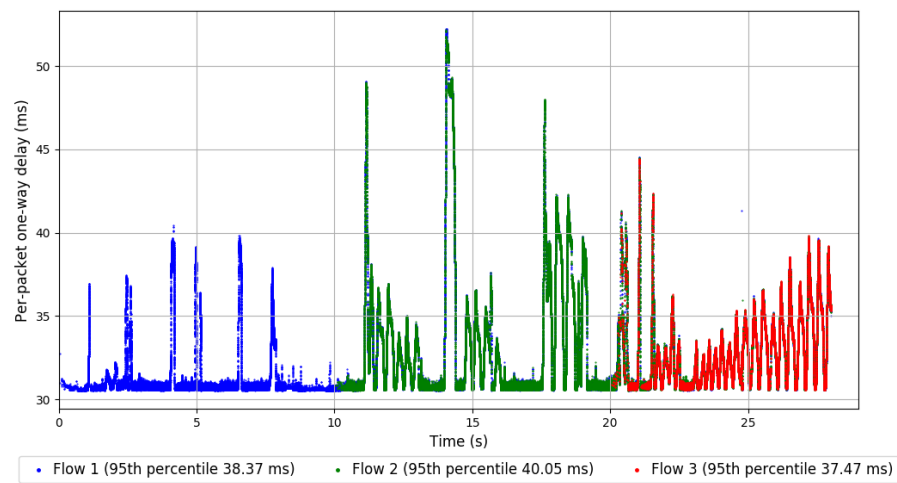
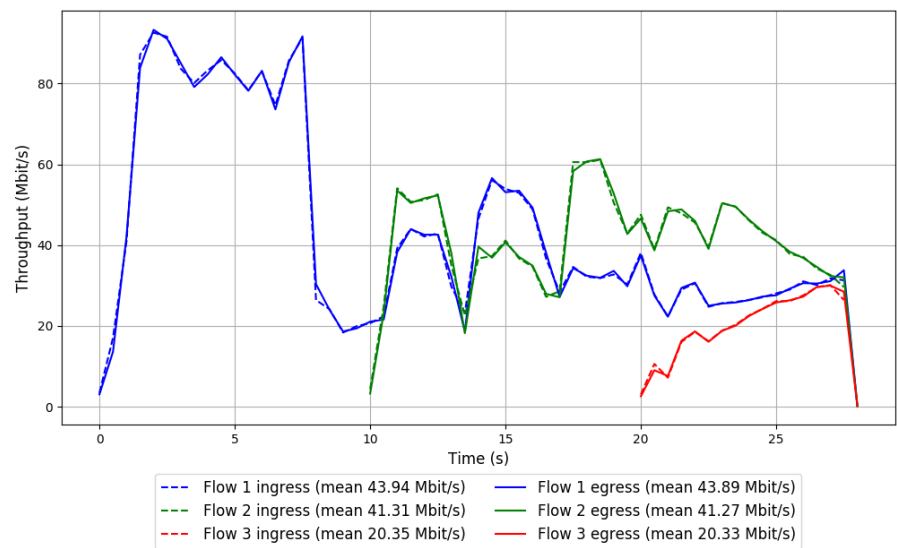


Run 10: Statistics of Copa

Start at: 2018-01-26 18:02:47
End at: 2018-01-26 18:03:17
Local clock offset: 0.848 ms
Remote clock offset: -3.213 ms

Below is generated by plot.py at 2018-01-26 18:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 39.027 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 38.372 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 40.051 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 37.472 ms
Loss rate: 0.04%

Run 10: Report of Copa — Data Link

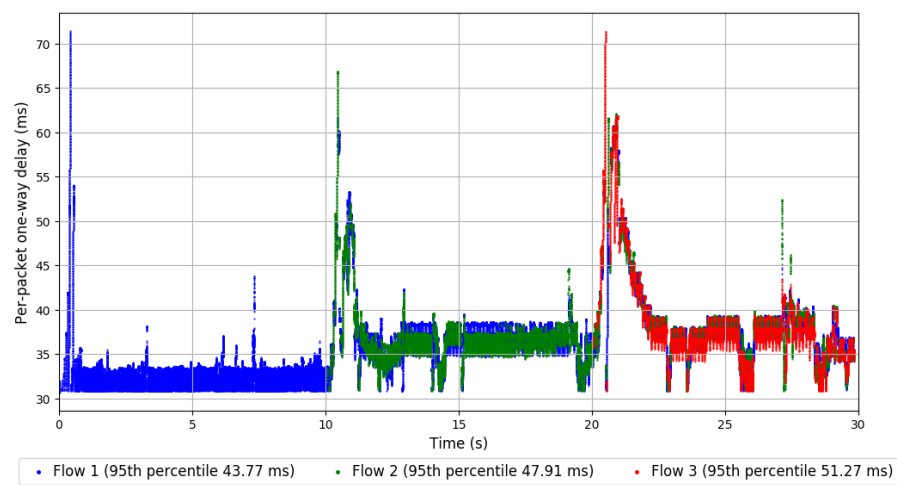
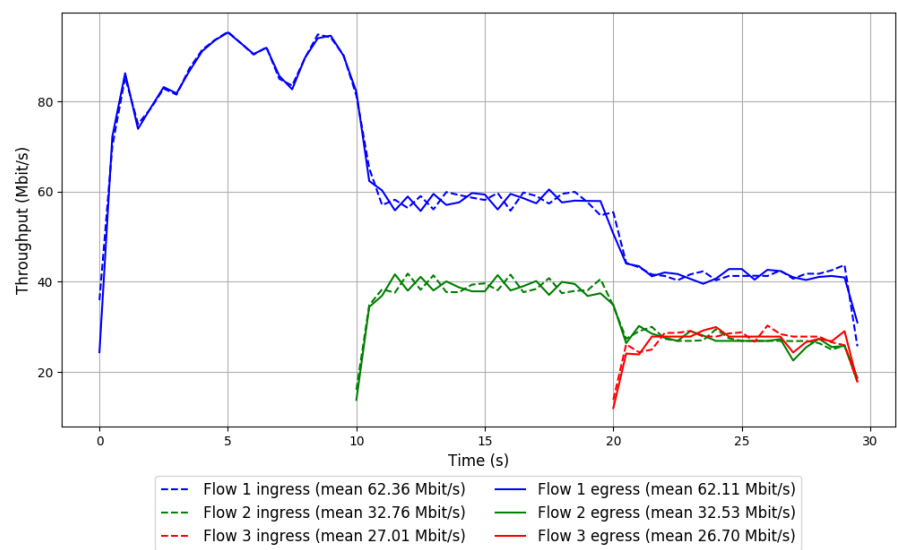


```
Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 14:19:50
End at: 2018-01-26 14:20:20
Local clock offset: 1.75 ms
Remote clock offset: -0.686 ms

# Below is generated by plot.py at 2018-01-26 18:50:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 46.403 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 43.767 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 47.909 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 51.275 ms
Loss rate: 1.16%
```

Run 1: Report of Indigo-2-256 — Data Link

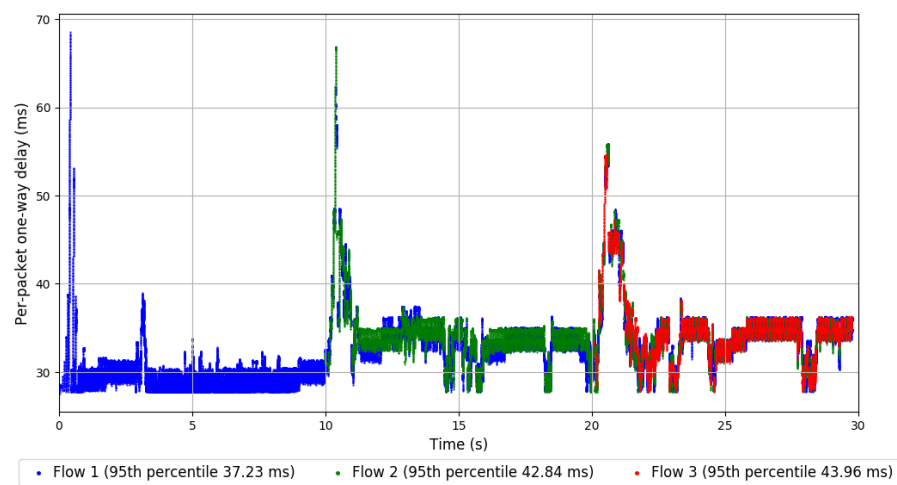
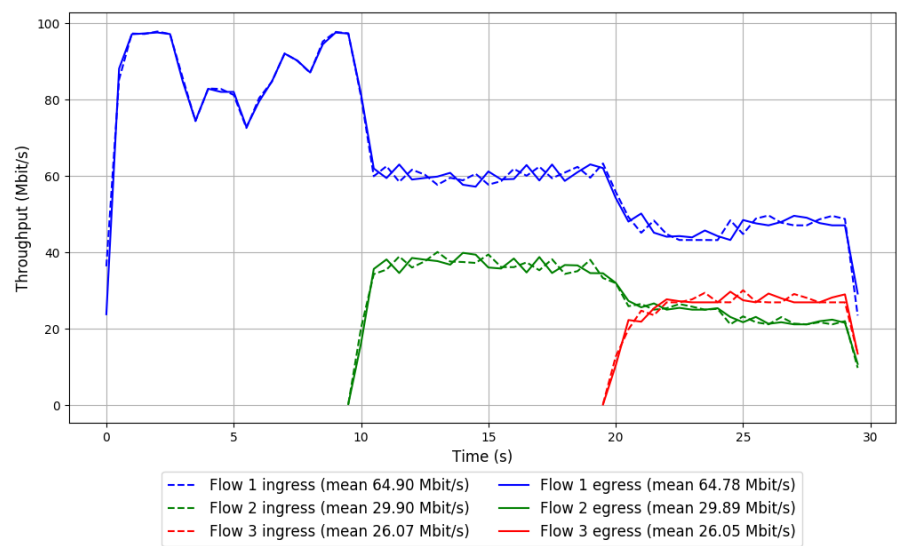


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 14:42:03
End at: 2018-01-26 14:42:33
Local clock offset: 1.597 ms
Remote clock offset: -3.686 ms

Below is generated by plot.py at 2018-01-26 18:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 38.894 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.78 Mbit/s
95th percentile per-packet one-way delay: 37.230 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 42.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 43.957 ms
Loss rate: 0.00%

Run 2: Report of Indigo-2-256 — Data Link

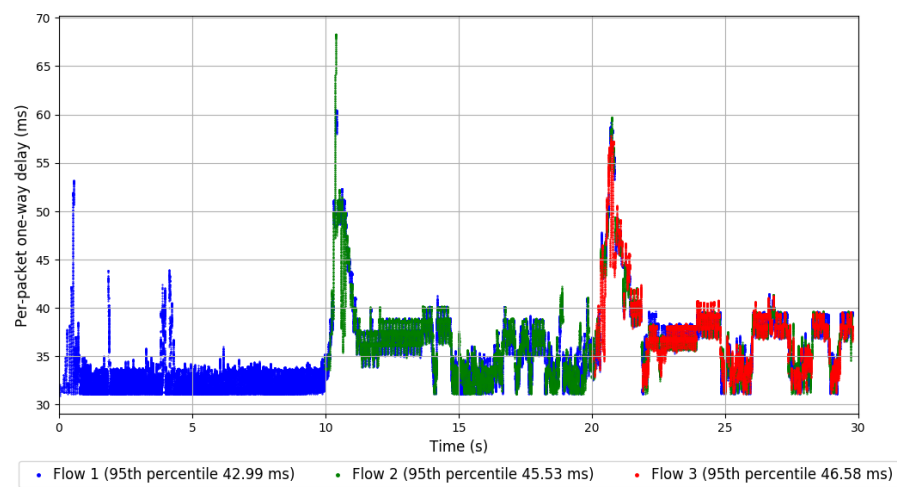
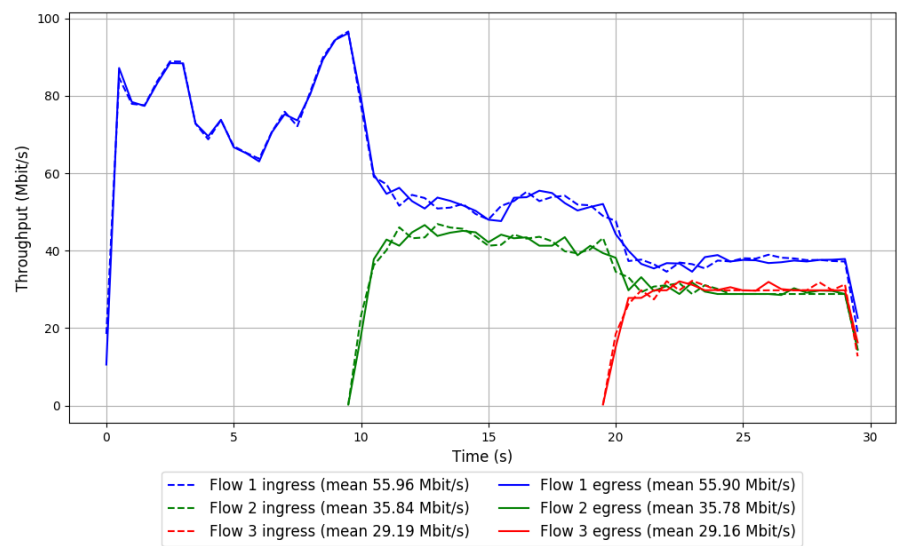


Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 15:05:57
End at: 2018-01-26 15:06:27
Local clock offset: 1.451 ms
Remote clock offset: -1.509 ms

Below is generated by plot.py at 2018-01-26 18:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 44.651 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 42.989 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.78 Mbit/s
95th percentile per-packet one-way delay: 45.527 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 46.584 ms
Loss rate: 0.08%

Run 3: Report of Indigo-2-256 — Data Link

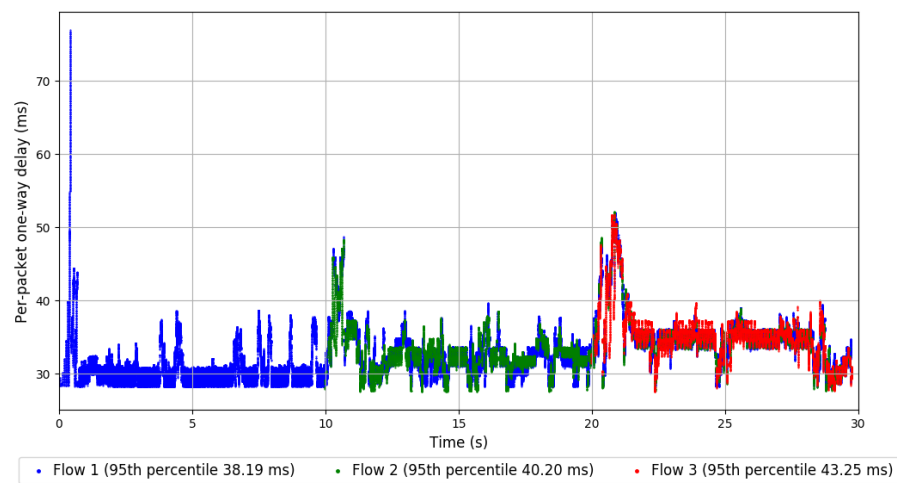
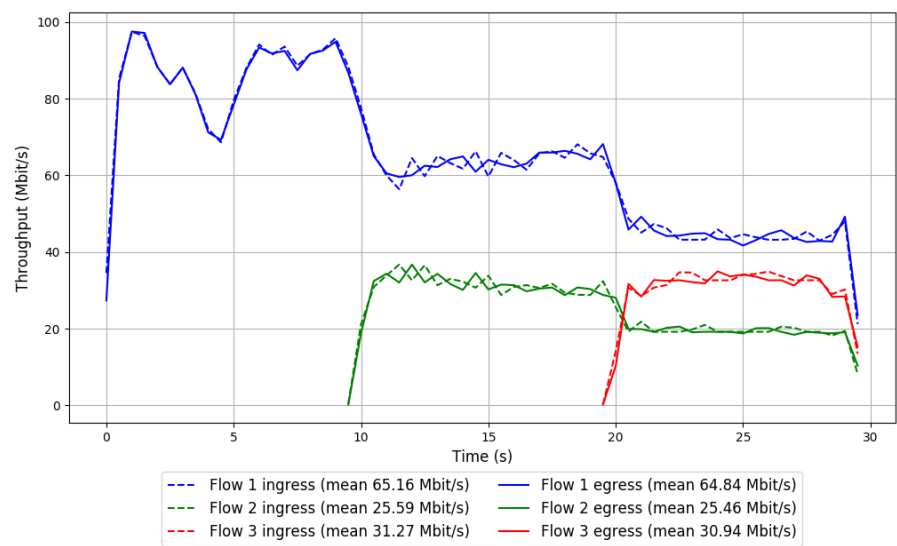


Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 15:30:01
End at: 2018-01-26 15:30:31
Local clock offset: 1.382 ms
Remote clock offset: -5.088 ms

Below is generated by plot.py at 2018-01-26 18:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.90 Mbit/s
95th percentile per-packet one-way delay: 38.959 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 64.84 Mbit/s
95th percentile per-packet one-way delay: 38.188 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 40.199 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 43.247 ms
Loss rate: 1.07%

Run 4: Report of Indigo-2-256 — Data Link

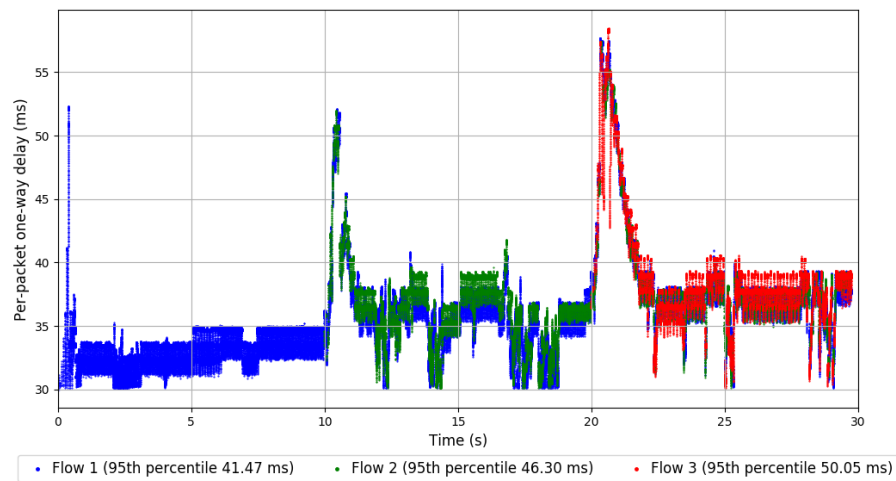
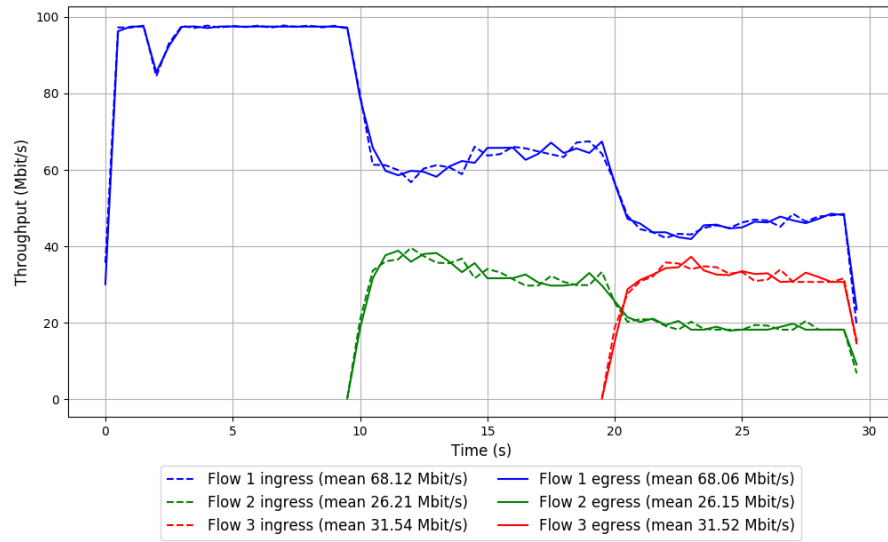


Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 15:53:43
End at: 2018-01-26 15:54:13
Local clock offset: 1.146 ms
Remote clock offset: -2.064 ms

Below is generated by plot.py at 2018-01-26 18:50:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 43.710 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 41.474 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 46.300 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 50.055 ms
Loss rate: 0.02%

Run 5: Report of Indigo-2-256 — Data Link

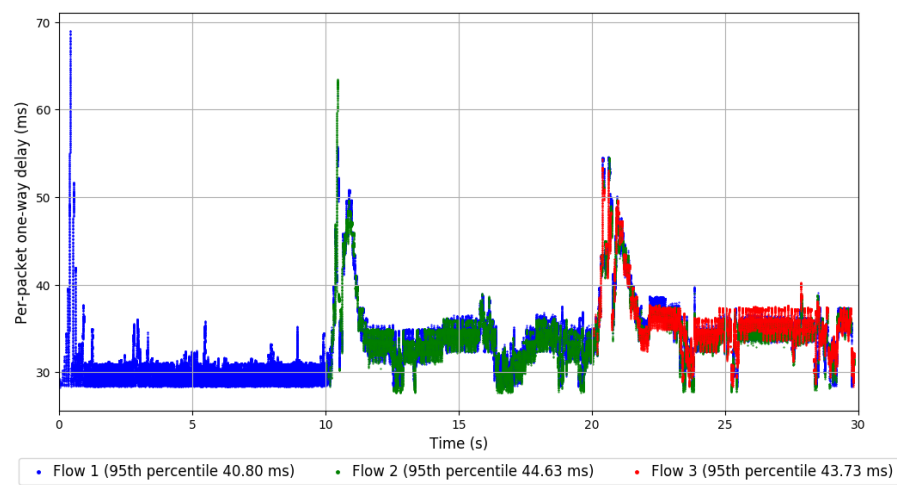
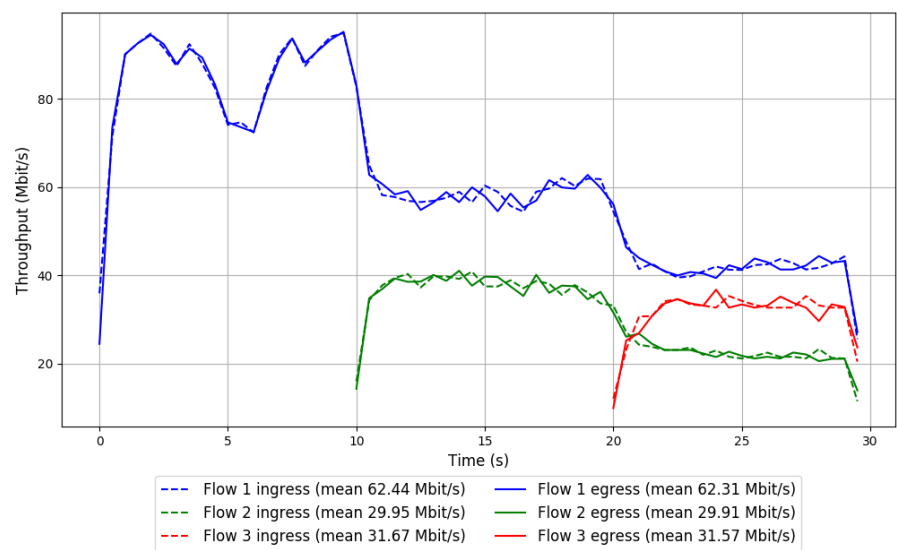


Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 16:16:33
End at: 2018-01-26 16:17:03
Local clock offset: 0.957 ms
Remote clock offset: -3.969 ms

Below is generated by plot.py at 2018-01-26 18:50:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 42.303 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.31 Mbit/s
95th percentile per-packet one-way delay: 40.800 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 44.633 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 43.728 ms
Loss rate: 0.34%

Run 6: Report of Indigo-2-256 — Data Link

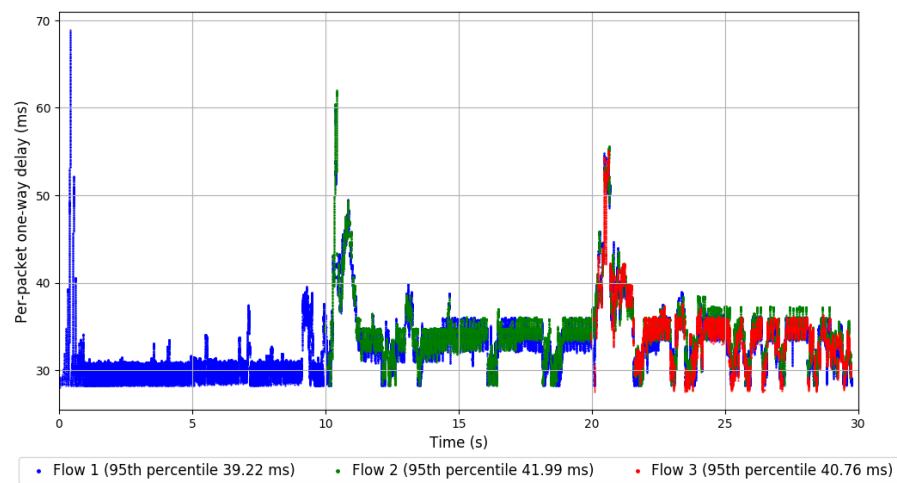
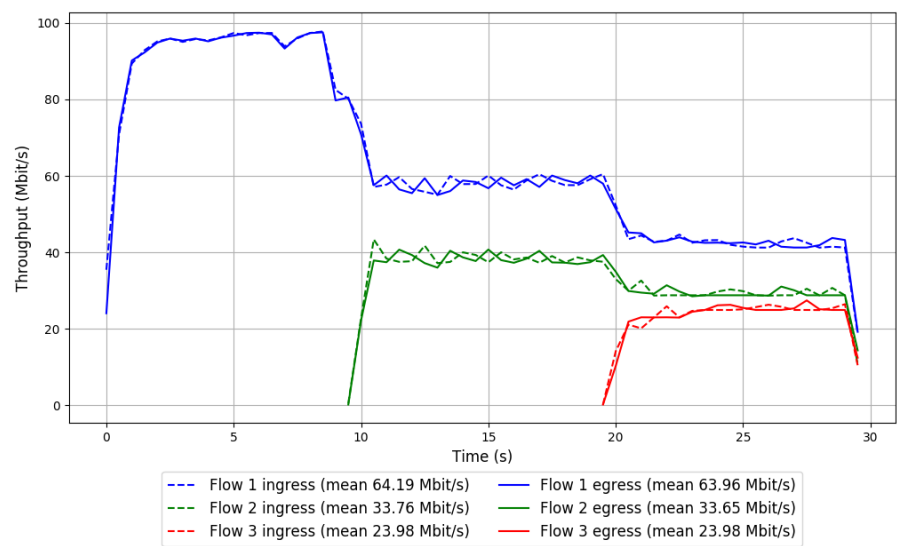


Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 16:39:55
End at: 2018-01-26 16:40:25
Local clock offset: 0.81 ms
Remote clock offset: -4.309 ms

Below is generated by plot.py at 2018-01-26 18:51:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 39.777 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 39.215 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 41.988 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 40.757 ms
Loss rate: 0.05%

Run 7: Report of Indigo-2-256 — Data Link

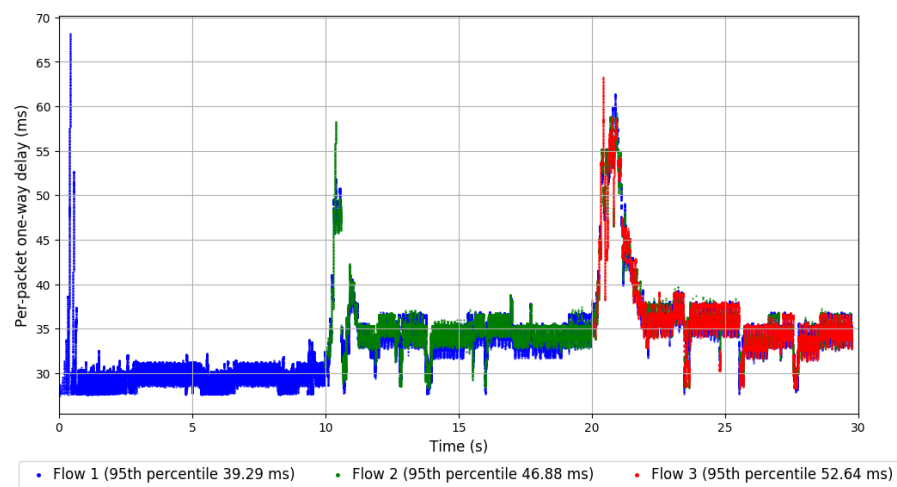
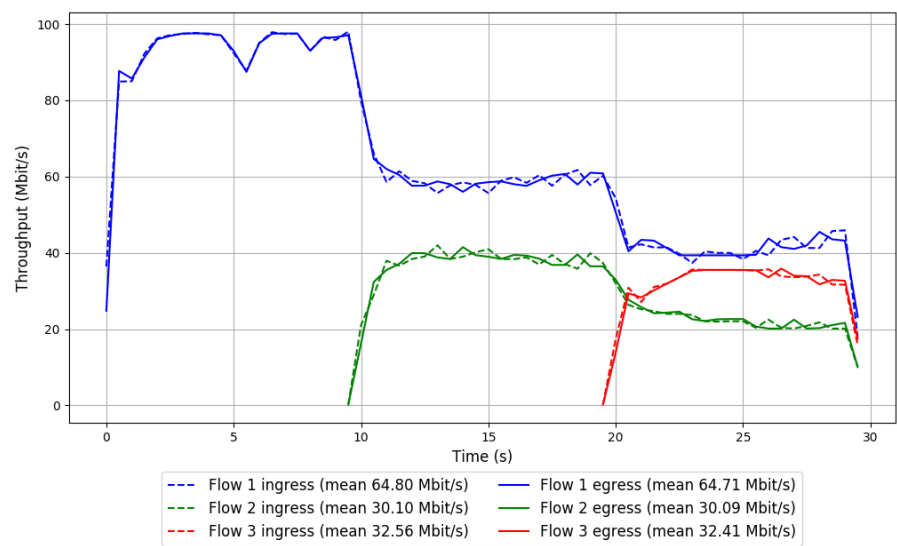


Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 17:03:33
End at: 2018-01-26 17:04:03
Local clock offset: 0.835 ms
Remote clock offset: -4.516 ms

Below is generated by plot.py at 2018-01-26 18:51:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 43.079 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 39.290 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 46.875 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 32.41 Mbit/s
95th percentile per-packet one-way delay: 52.643 ms
Loss rate: 0.49%

Run 8: Report of Indigo-2-256 — Data Link

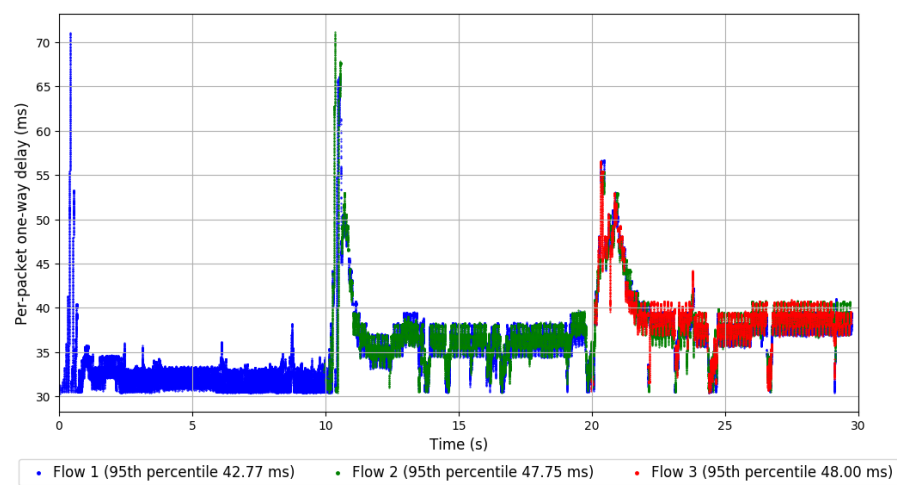
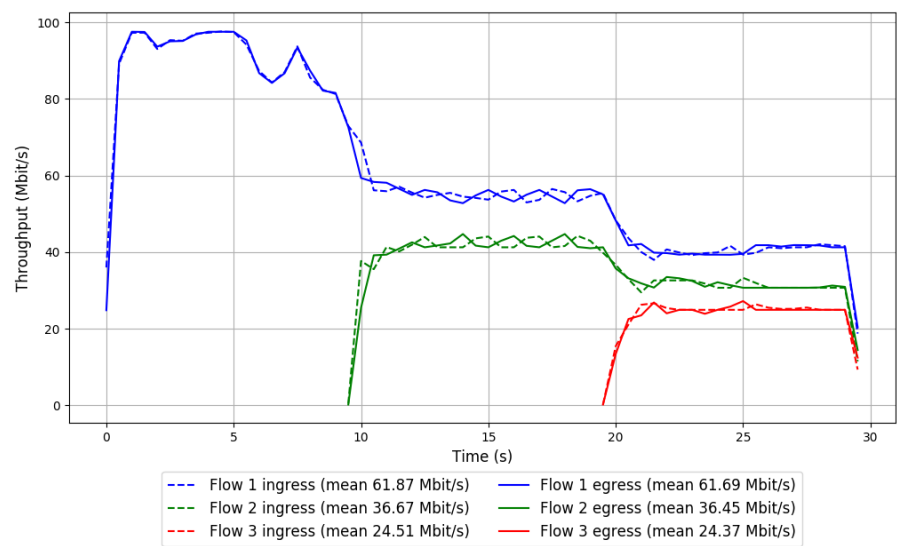


Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 17:26:58
End at: 2018-01-26 17:27:28
Local clock offset: 0.872 ms
Remote clock offset: -2.356 ms

Below is generated by plot.py at 2018-01-26 18:51:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 45.382 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 42.770 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 47.746 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 48.004 ms
Loss rate: 0.51%

Run 9: Report of Indigo-2-256 — Data Link



Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 17:51:00

End at: 2018-01-26 17:51:30

Local clock offset: 0.871 ms

Remote clock offset: -2.86 ms

Below is generated by plot.py at 2018-01-26 18:51:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.12 Mbit/s

95th percentile per-packet one-way delay: 45.358 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 41.673 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 46.854 ms

Loss rate: 0.35%

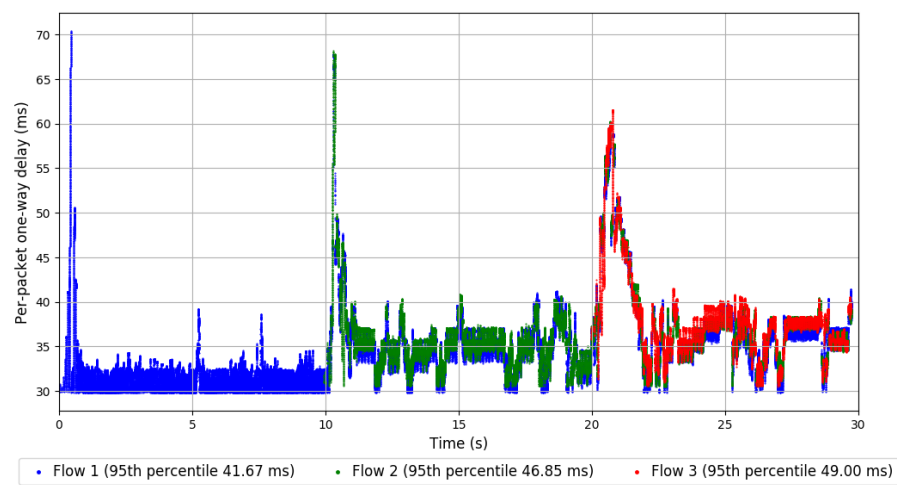
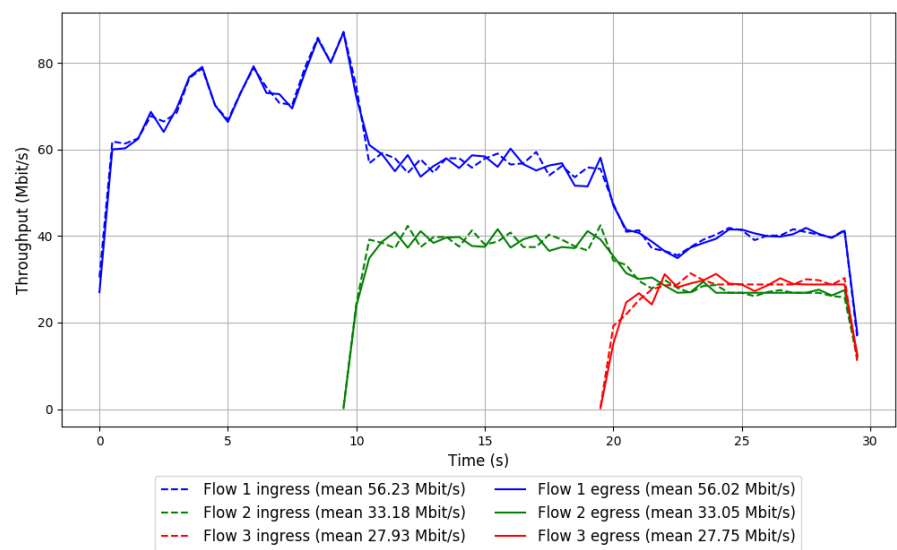
-- Flow 3:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 49.003 ms

Loss rate: 0.62%

Run 10: Report of Indigo-2-256 — Data Link

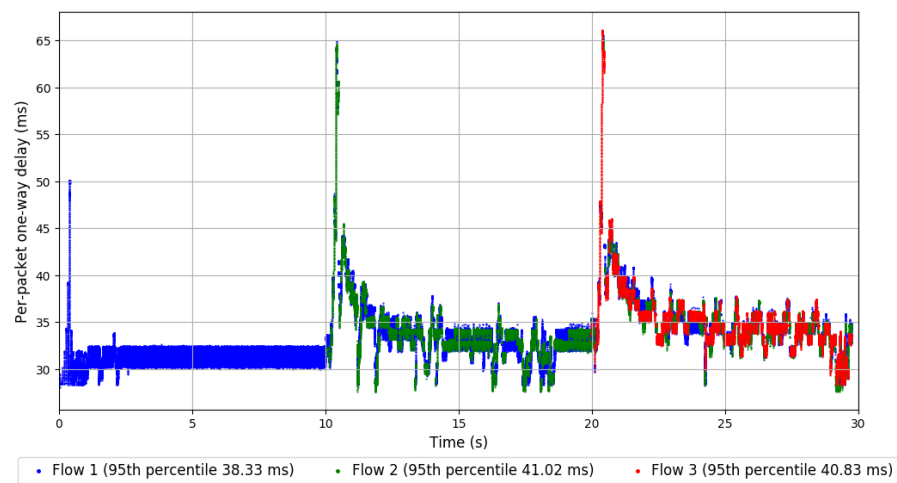
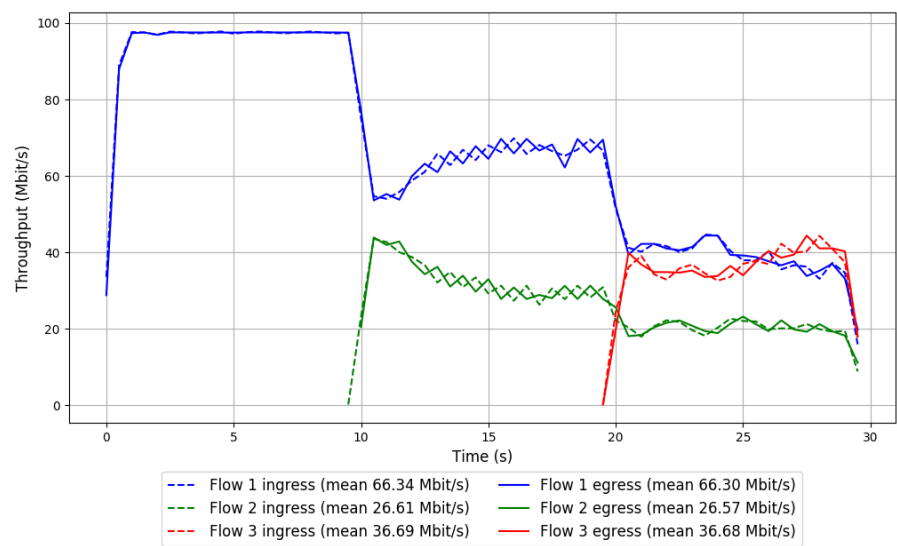


Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 14:26:47
End at: 2018-01-26 14:27:17
Local clock offset: 1.728 ms
Remote clock offset: -3.405 ms

Below is generated by plot.py at 2018-01-26 18:51:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 39.298 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 38.329 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 41.025 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 40.828 ms
Loss rate: 0.00%

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

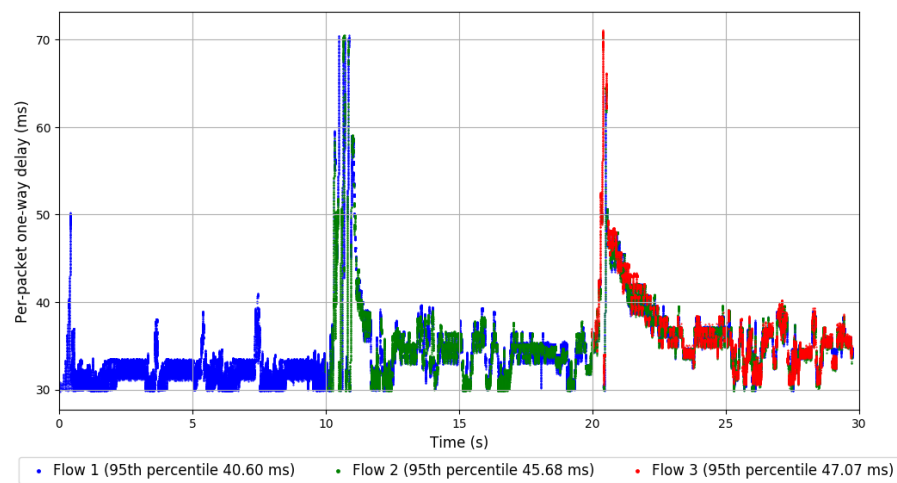
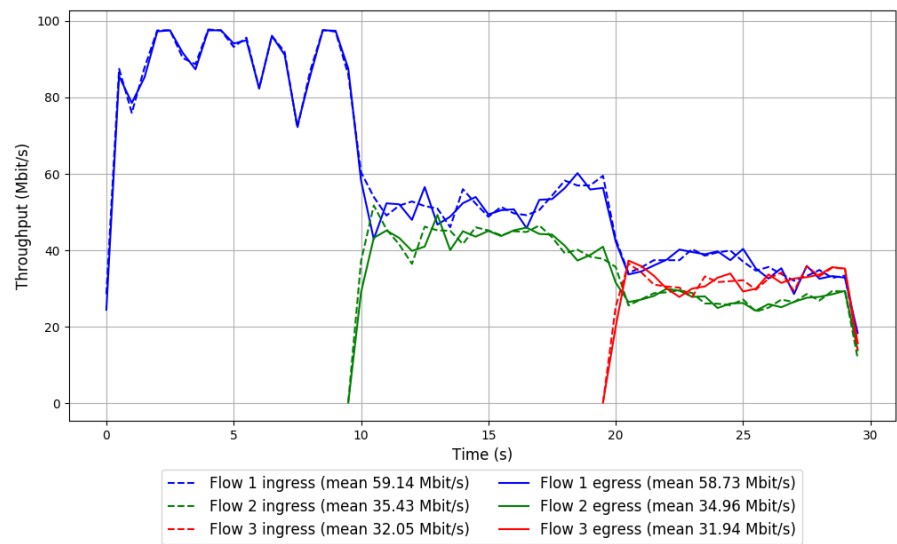


Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 14:49:19
End at: 2018-01-26 14:49:49
Local clock offset: 1.591 ms
Remote clock offset: -1.596 ms

Below is generated by plot.py at 2018-01-26 18:51:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 43.269 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 40.604 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 47.069 ms
Loss rate: 0.36%

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

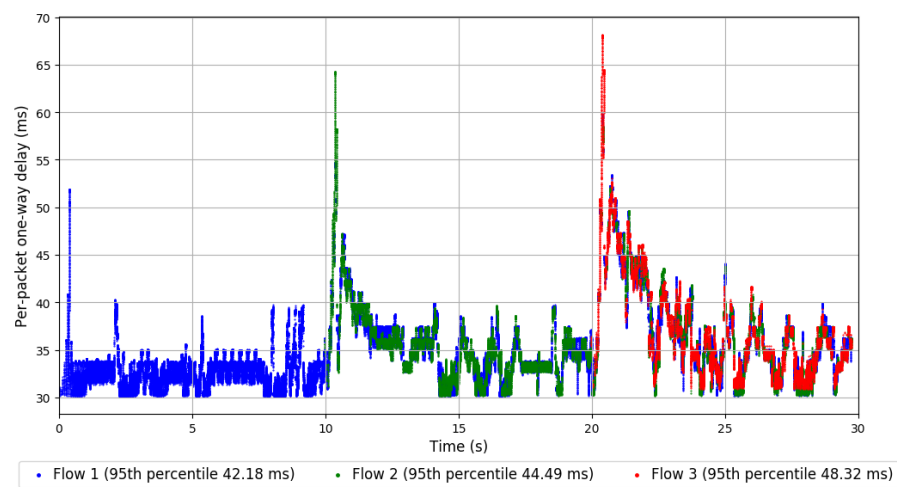
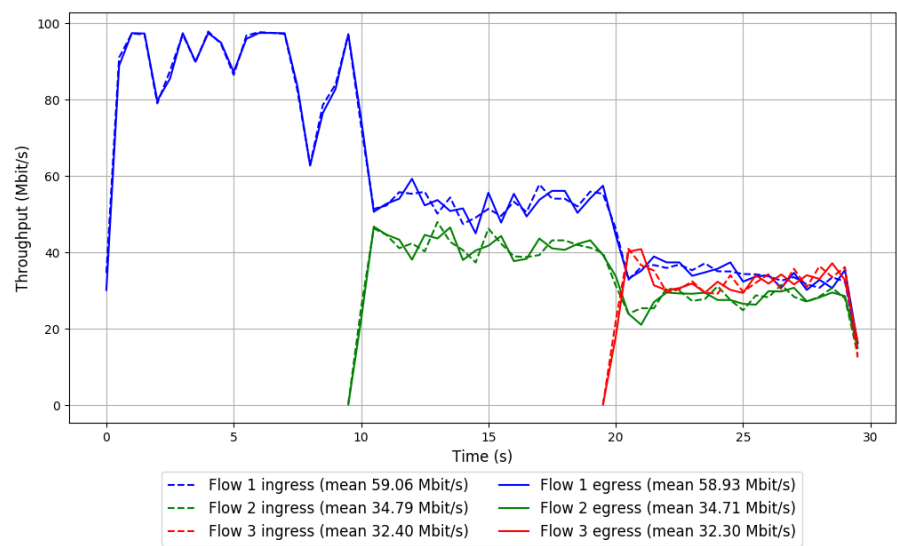


Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 15:13:11
End at: 2018-01-26 15:13:41
Local clock offset: 1.502 ms
Remote clock offset: -1.958 ms

Below is generated by plot.py at 2018-01-26 18:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 44.341 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 42.176 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 44.495 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 48.320 ms
Loss rate: 0.30%

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

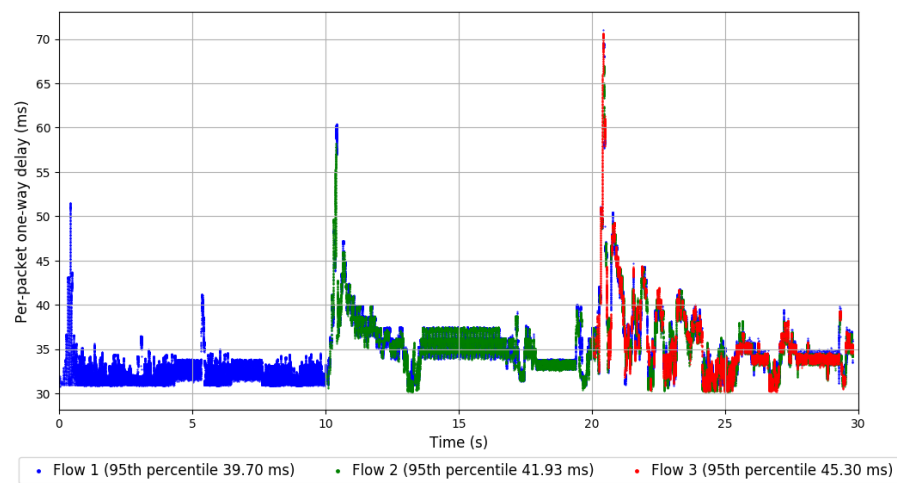
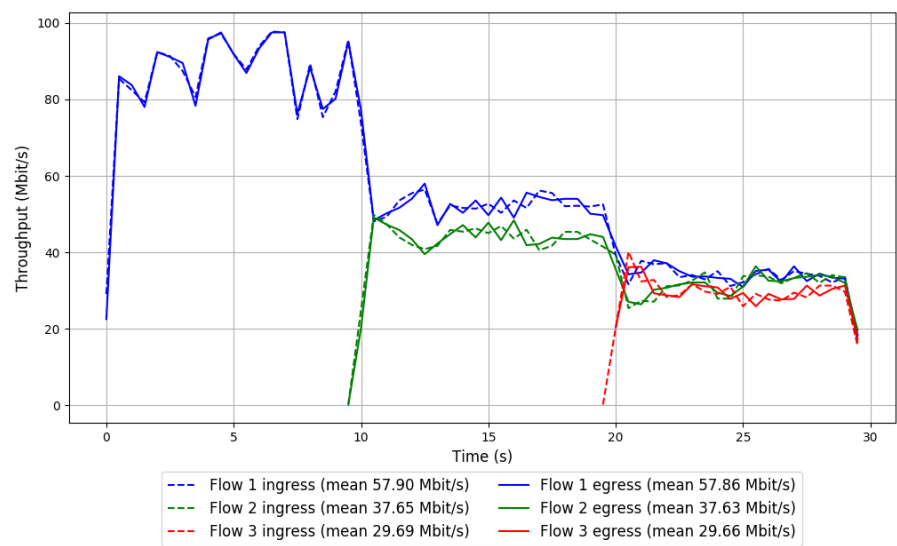


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 15:37:28
End at: 2018-01-26 15:37:58
Local clock offset: 1.234 ms
Remote clock offset: -2.441 ms

Below is generated by plot.py at 2018-01-26 18:51:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 41.057 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.86 Mbit/s
95th percentile per-packet one-way delay: 39.704 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 41.930 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 45.297 ms
Loss rate: 0.09%

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

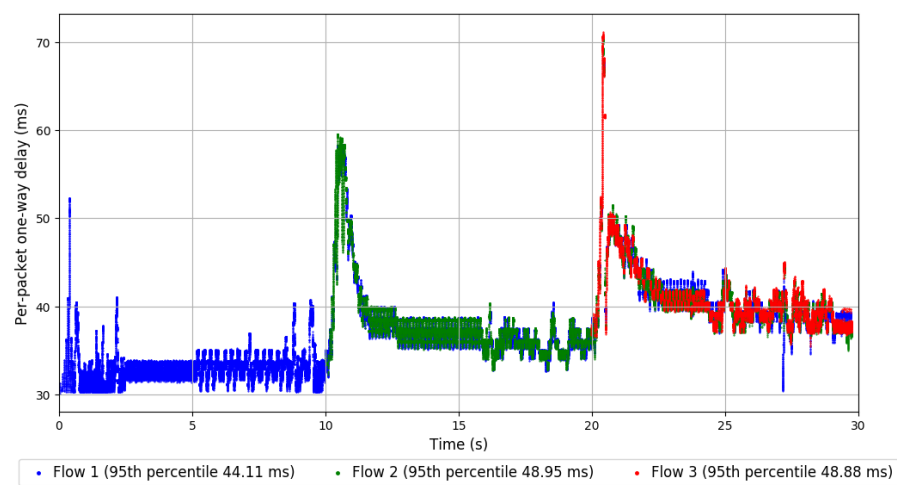
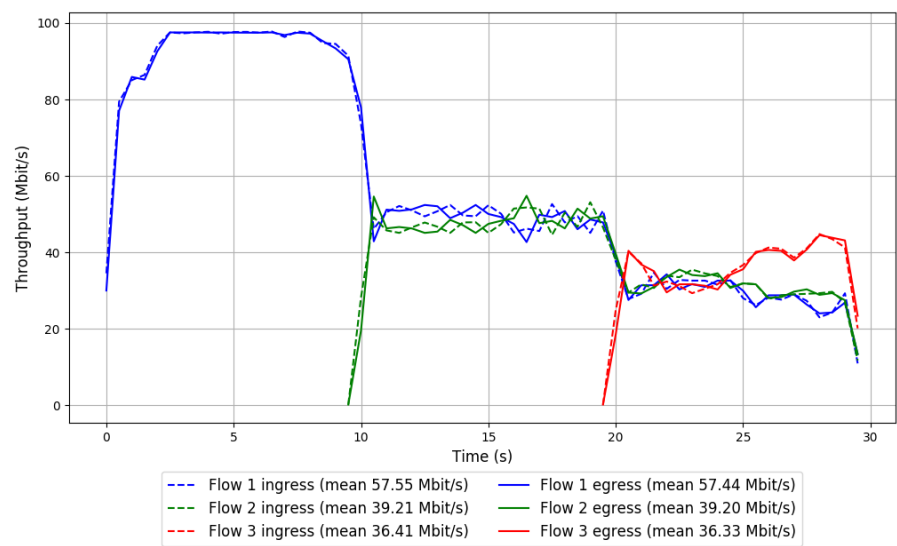


Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 16:00:50
End at: 2018-01-26 16:01:20
Local clock offset: 1.016 ms
Remote clock offset: -1.812 ms

Below is generated by plot.py at 2018-01-26 18:52:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 46.974 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 44.108 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 48.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 48.881 ms
Loss rate: 0.21%

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

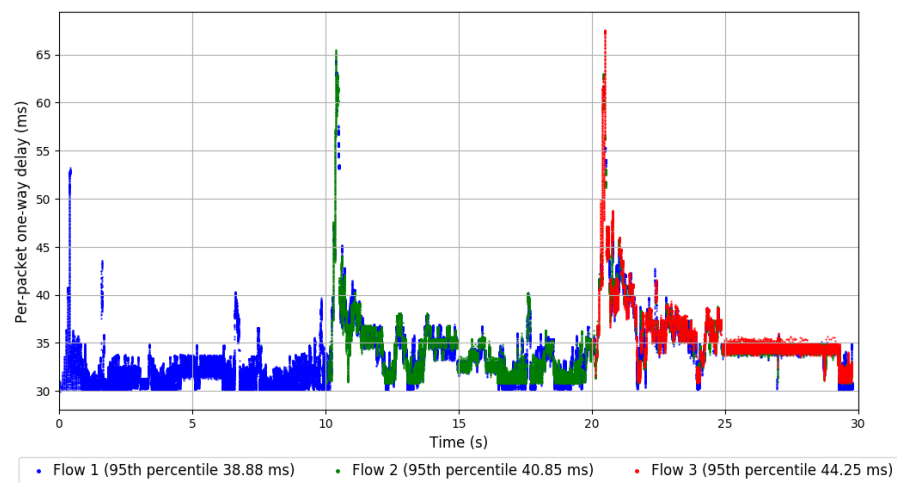
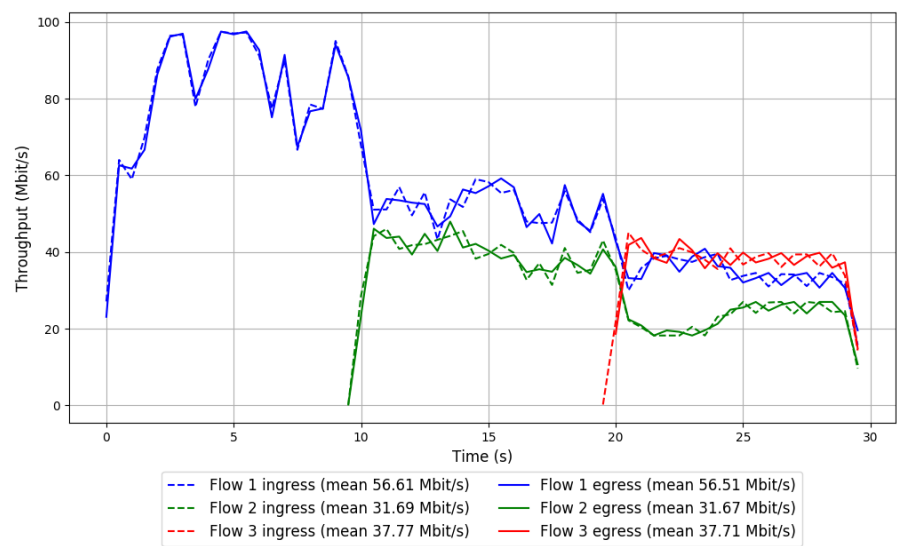


Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 16:23:46
End at: 2018-01-26 16:24:16
Local clock offset: 0.92 ms
Remote clock offset: -1.576 ms

Below is generated by plot.py at 2018-01-26 18:52:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 40.209 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 38.875 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 40.855 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 44.251 ms
Loss rate: 0.19%

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

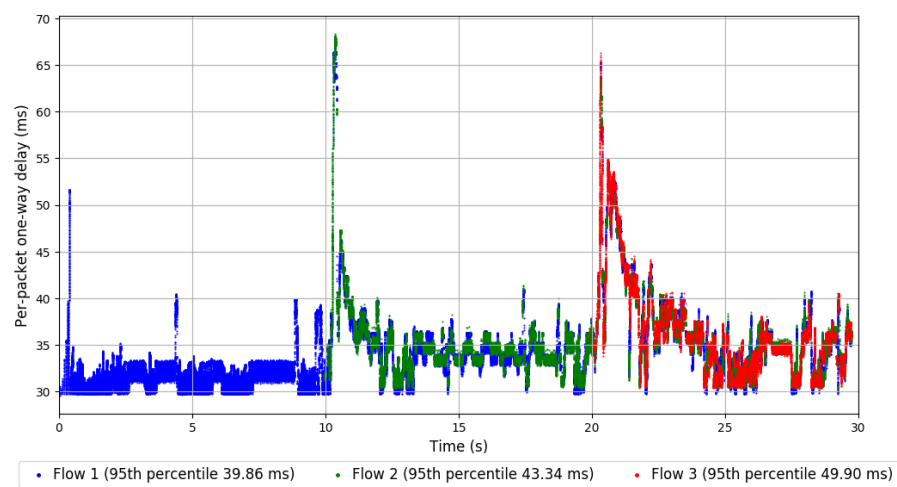
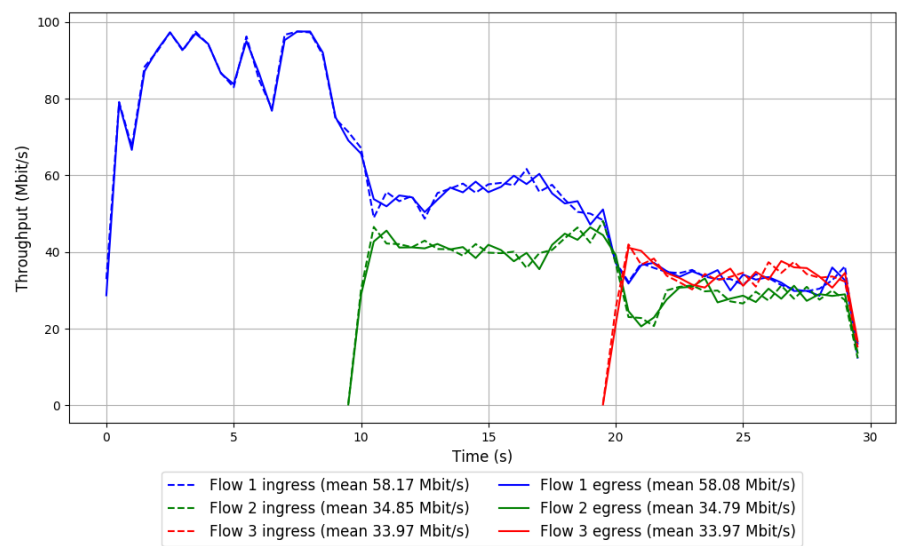


Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 16:47:22
End at: 2018-01-26 16:47:52
Local clock offset: 0.746 ms
Remote clock offset: -2.272 ms

Below is generated by plot.py at 2018-01-26 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 42.282 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 39.856 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 43.344 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 49.904 ms
Loss rate: 0.02%

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

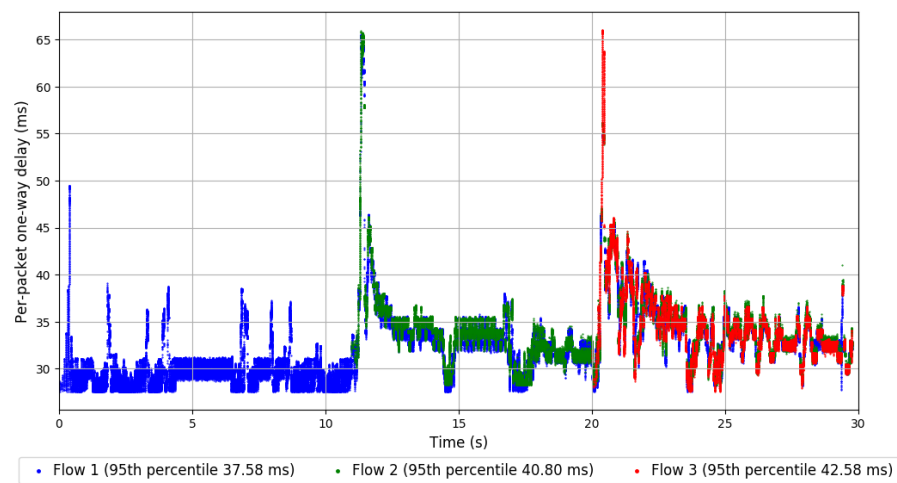
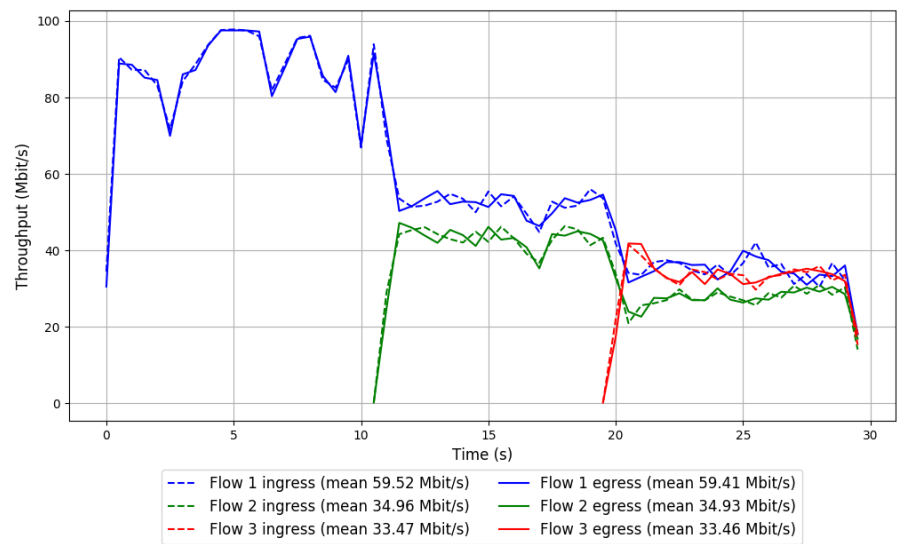


Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 17:10:35
End at: 2018-01-26 17:11:05
Local clock offset: 0.917 ms
Remote clock offset: -4.501 ms

Below is generated by plot.py at 2018-01-26 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 38.985 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 37.576 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 40.805 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 42.580 ms
Loss rate: 0.03%

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

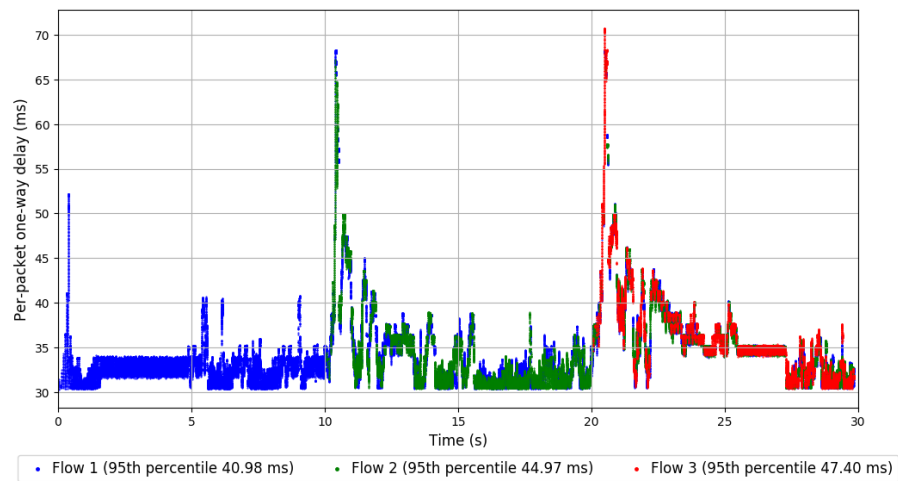
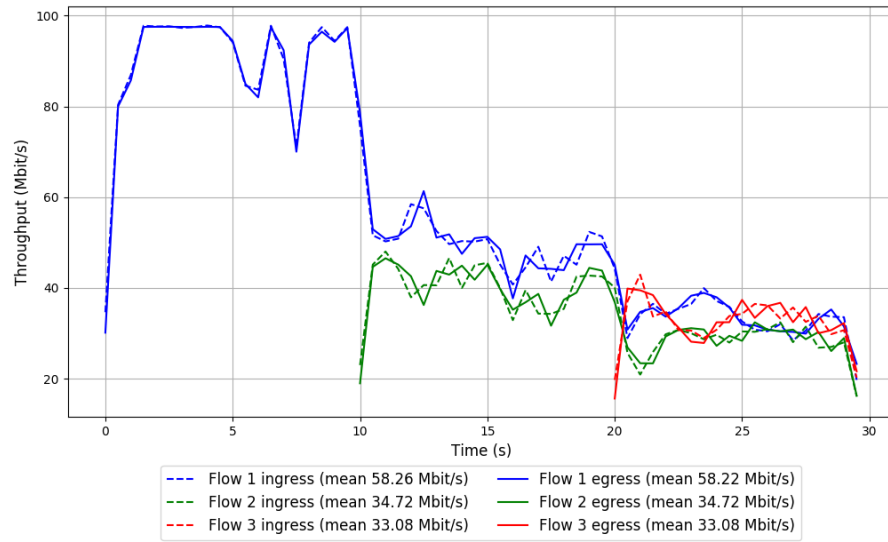


Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 17:34:07
End at: 2018-01-26 17:34:37
Local clock offset: 0.762 ms
Remote clock offset: -1.973 ms

Below is generated by plot.py at 2018-01-26 18:52:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 42.538 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 40.981 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 44.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 47.403 ms
Loss rate: 0.00%

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

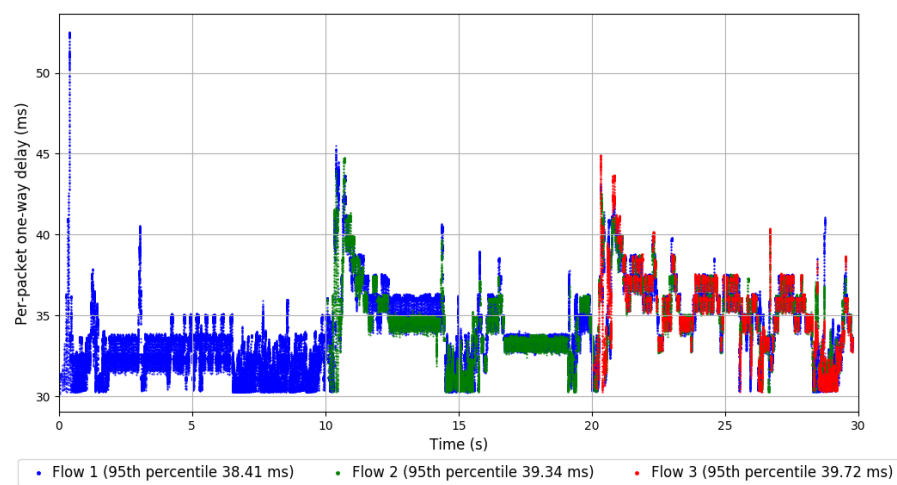
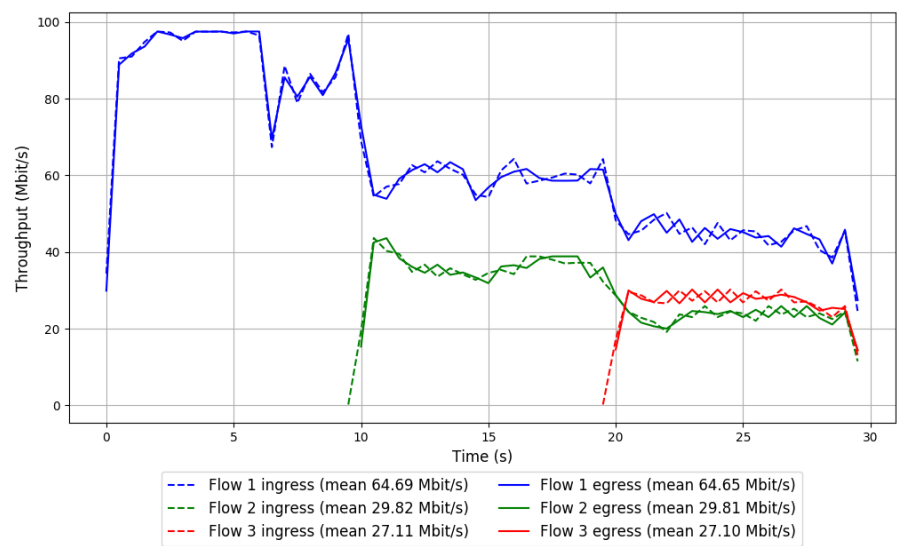


Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 17:58:29
End at: 2018-01-26 17:58:59
Local clock offset: 0.832 ms
Remote clock offset: -2.634 ms

Below is generated by plot.py at 2018-01-26 18:53:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 38.485 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 38.411 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 39.338 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 39.715 ms
Loss rate: 0.01%

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

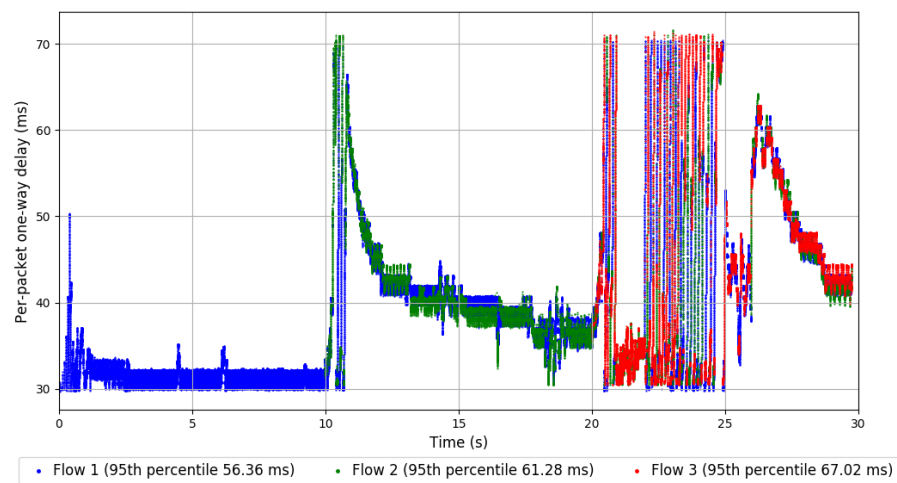
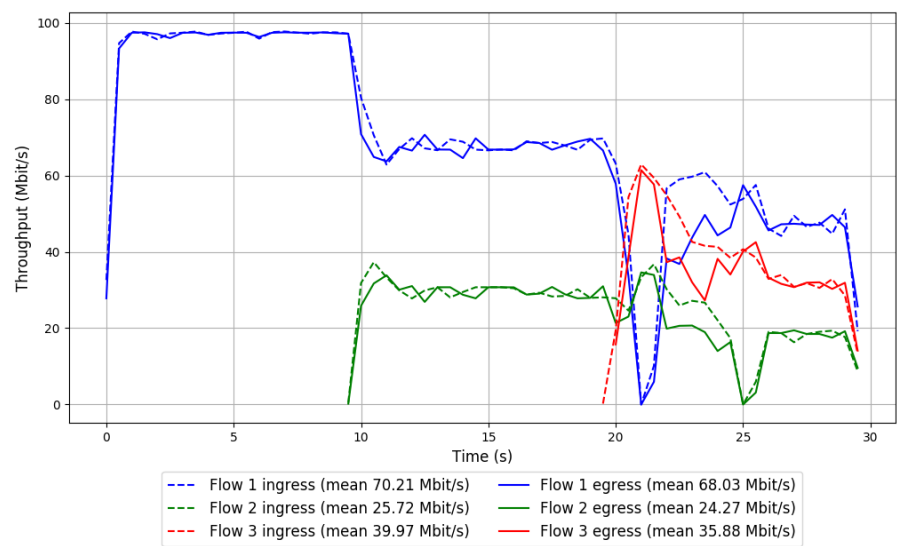


Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 14:35:07
End at: 2018-01-26 14:35:37
Local clock offset: 1.643 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2018-01-26 18:53:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 58.899 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 56.358 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 61.284 ms
Loss rate: 5.58%
-- Flow 3:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 67.015 ms
Loss rate: 10.17%

Run 1: Report of Indigo-1-128 — Data Link

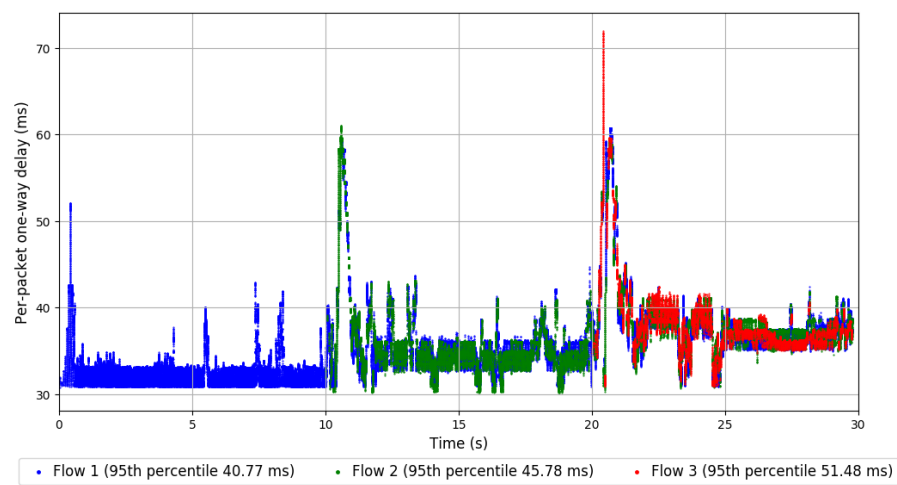
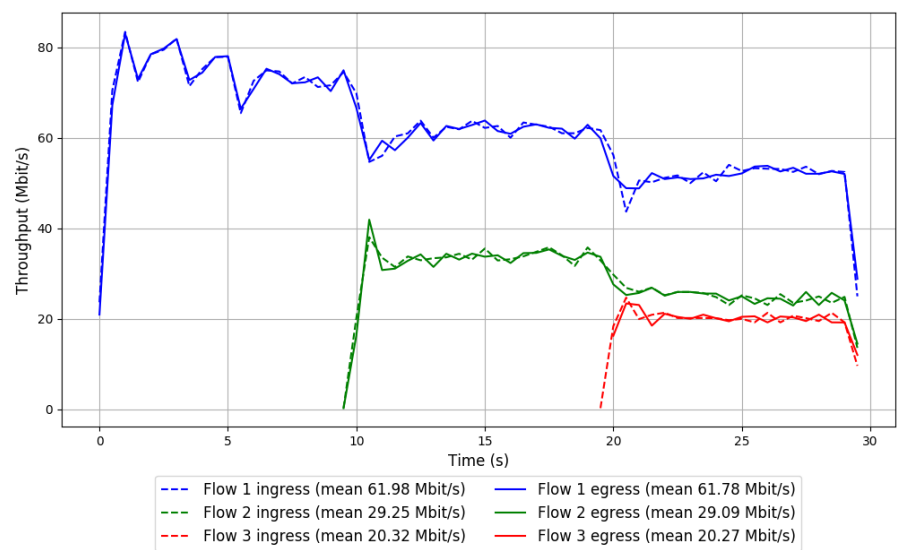


Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 14:58:35
End at: 2018-01-26 14:59:05
Local clock offset: 1.484 ms
Remote clock offset: -1.463 ms

Below is generated by plot.py at 2018-01-26 18:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 42.011 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 45.782 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 20.27 Mbit/s
95th percentile per-packet one-way delay: 51.479 ms
Loss rate: 0.24%

Run 2: Report of Indigo-1-128 — Data Link

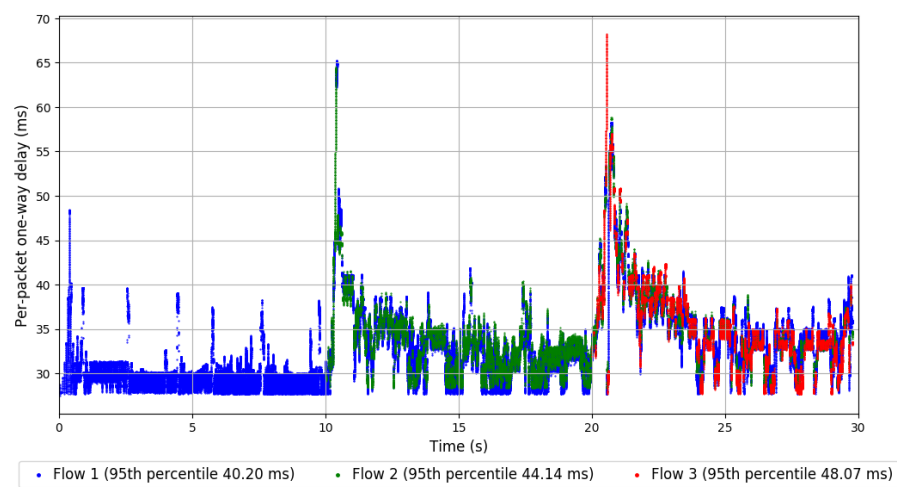
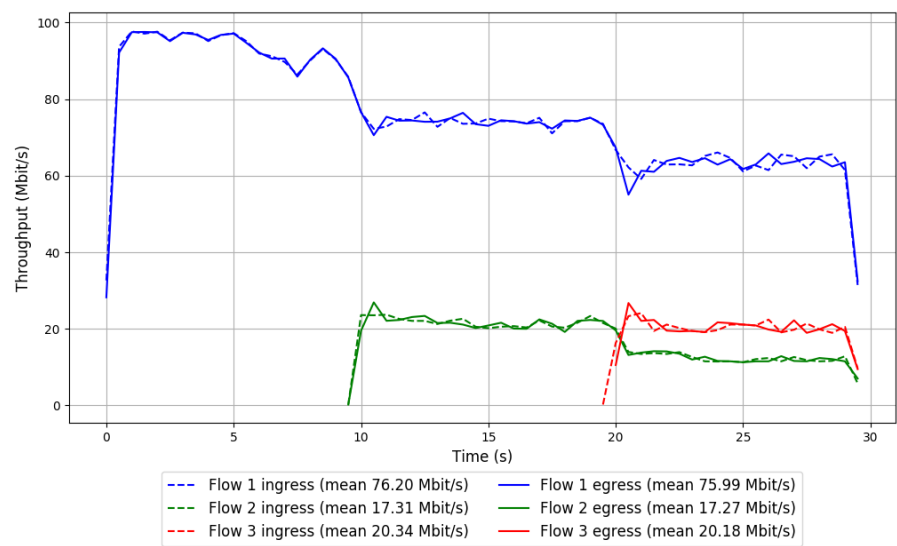


Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 15:22:29
End at: 2018-01-26 15:22:59
Local clock offset: 1.438 ms
Remote clock offset: -4.891 ms

Below is generated by plot.py at 2018-01-26 18:53:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 40.984 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 40.200 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 44.139 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 48.069 ms
Loss rate: 0.80%

Run 3: Report of Indigo-1-128 — Data Link

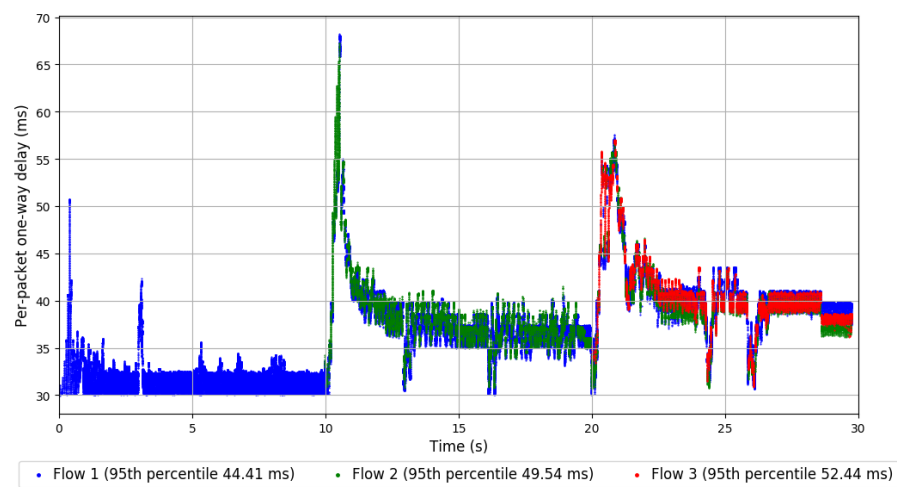
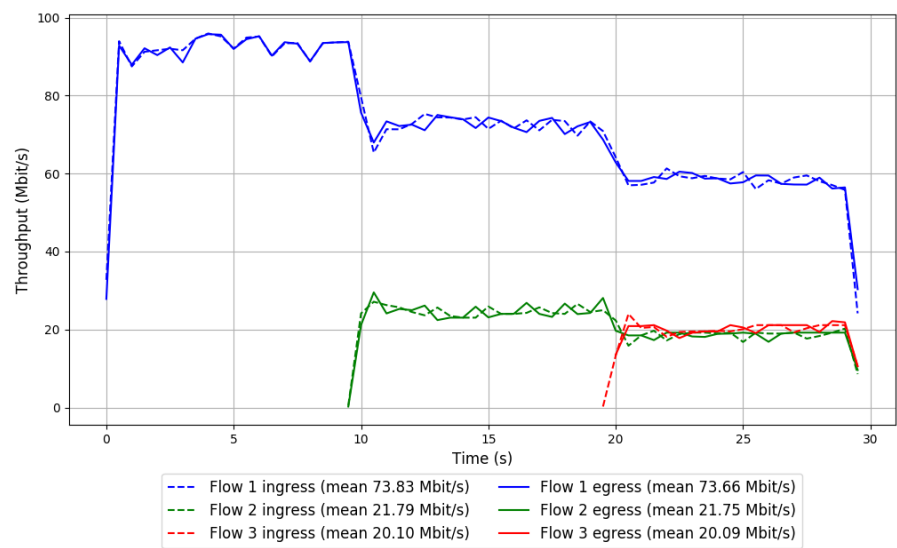


Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 15:46:35
End at: 2018-01-26 15:47:05
Local clock offset: 1.212 ms
Remote clock offset: -2.315 ms

Below is generated by plot.py at 2018-01-26 18:54:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 45.682 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 73.66 Mbit/s
95th percentile per-packet one-way delay: 44.405 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 49.536 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 52.440 ms
Loss rate: 0.00%

Run 4: Report of Indigo-1-128 — Data Link

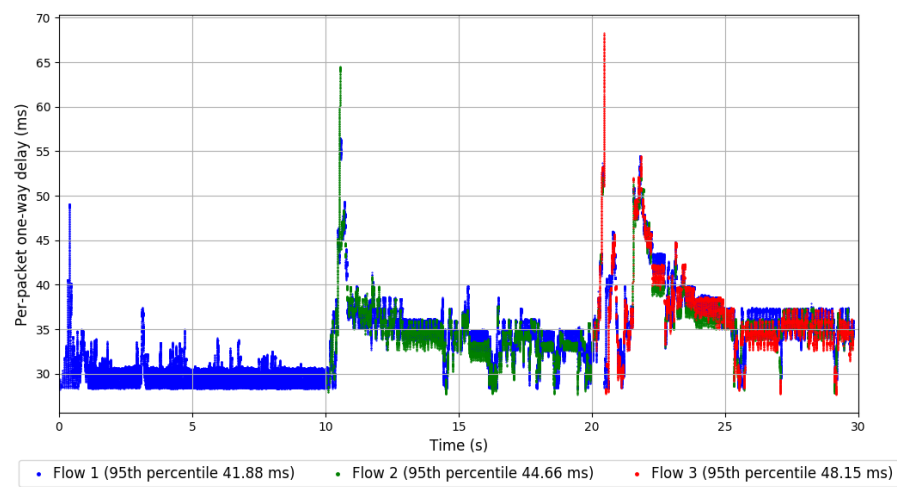
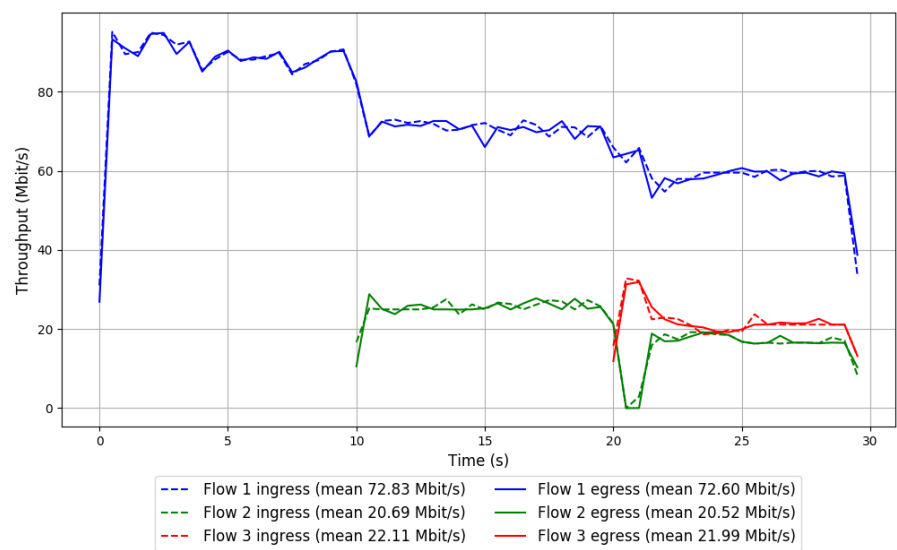


Run 5: Statistics of Indigo-1-128

Start at: 2018-01-26 16:09:21
End at: 2018-01-26 16:09:51
Local clock offset: 0.934 ms
Remote clock offset: -4.237 ms

Below is generated by plot.py at 2018-01-26 18:54:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 42.703 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 41.880 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 44.659 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 21.99 Mbit/s
95th percentile per-packet one-way delay: 48.153 ms
Loss rate: 0.55%

Run 5: Report of Indigo-1-128 — Data Link



Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 16:32:33

End at: 2018-01-26 16:33:03

Local clock offset: 0.782 ms

Remote clock offset: -2.0 ms

Below is generated by plot.py at 2018-01-26 18:54:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 44.252 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: 44.165 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 46.372 ms

Loss rate: 0.21%

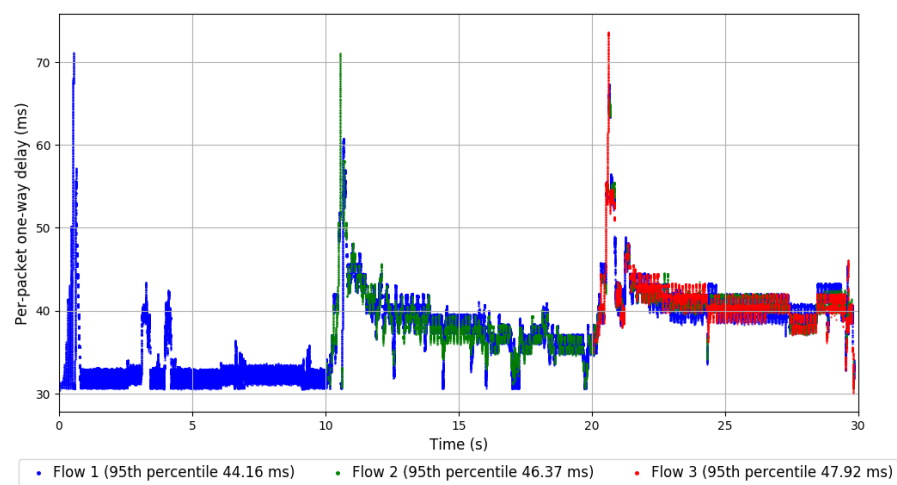
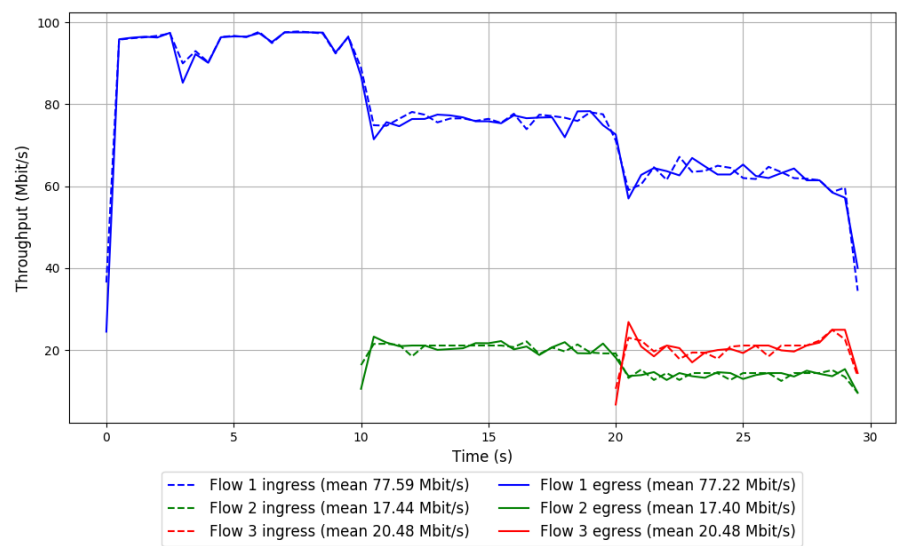
-- Flow 3:

Average throughput: 20.48 Mbit/s

95th percentile per-packet one-way delay: 47.919 ms

Loss rate: 0.00%

Run 6: Report of Indigo-1-128 — Data Link

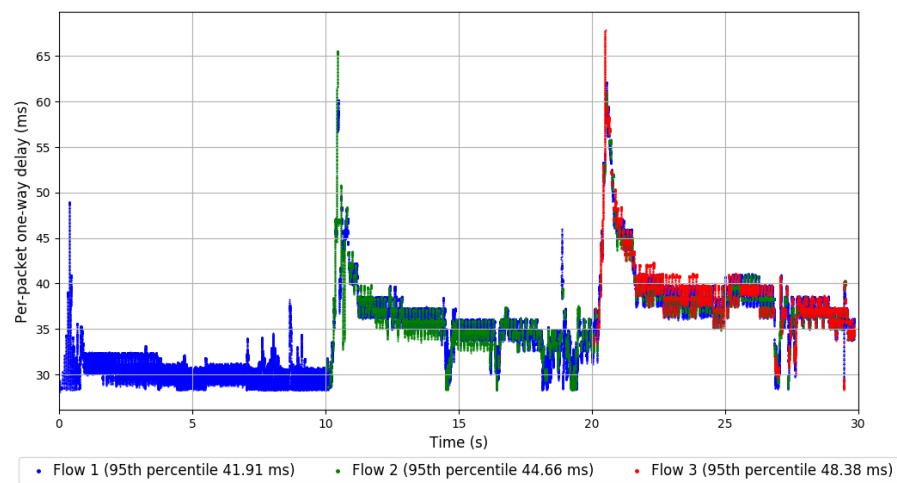
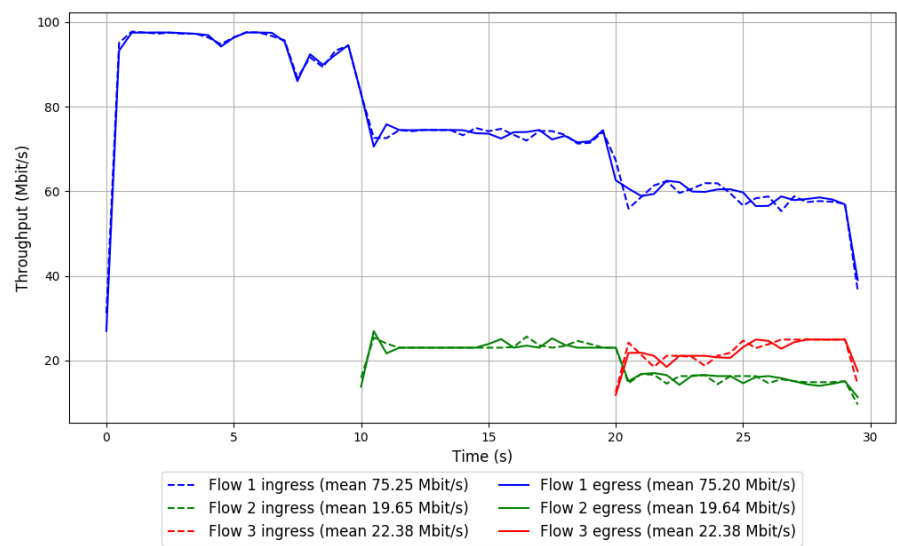


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 16:56:30
End at: 2018-01-26 16:57:00
Local clock offset: 0.813 ms
Remote clock offset: -4.393 ms

Below is generated by plot.py at 2018-01-26 18:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 44.316 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 75.20 Mbit/s
95th percentile per-packet one-way delay: 41.906 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 44.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: 48.381 ms
Loss rate: 0.00%

Run 7: Report of Indigo-1-128 — Data Link

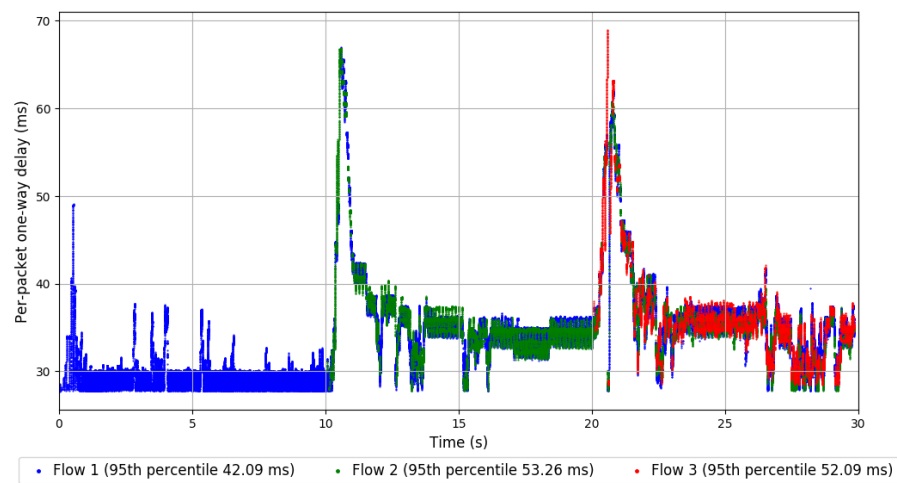
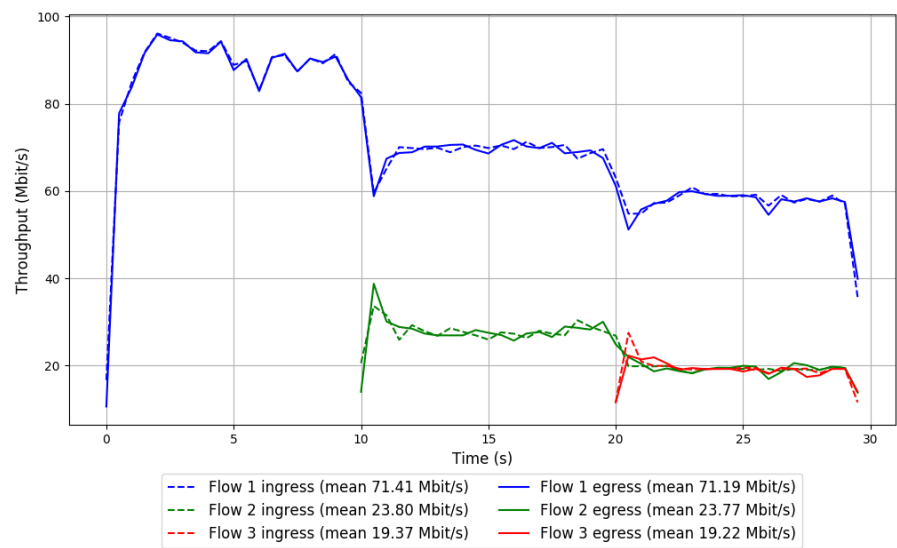


Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 17:19:34
End at: 2018-01-26 17:20:04
Local clock offset: 0.804 ms
Remote clock offset: -4.444 ms

Below is generated by plot.py at 2018-01-26 18:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 44.493 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 71.19 Mbit/s
95th percentile per-packet one-way delay: 42.095 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 53.259 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 52.094 ms
Loss rate: 0.77%

Run 8: Report of Indigo-1-128 — Data Link

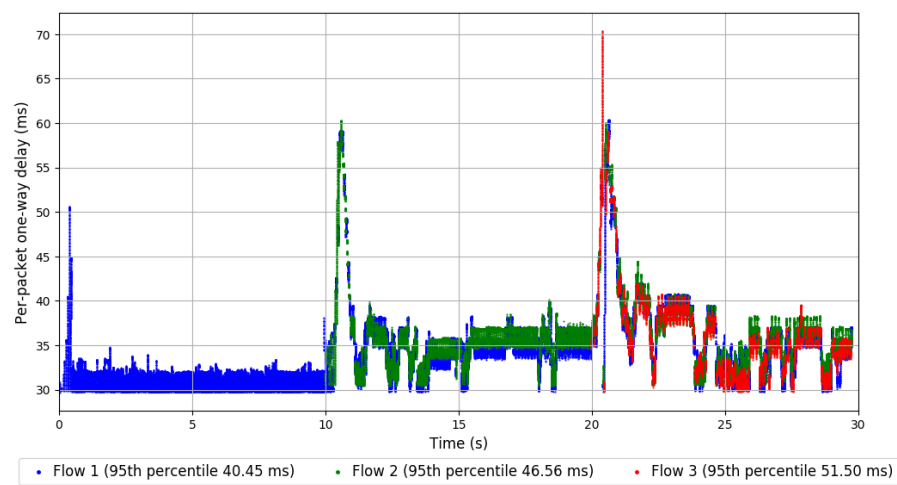
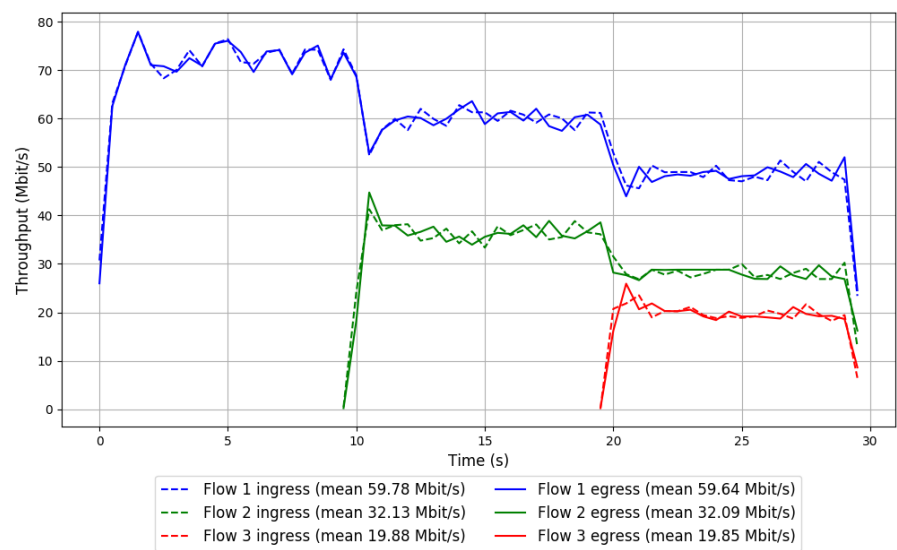


Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 17:43:36
End at: 2018-01-26 17:44:06
Local clock offset: 0.883 ms
Remote clock offset: -2.663 ms

Below is generated by plot.py at 2018-01-26 18:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 41.685 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 40.453 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 46.556 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: 51.496 ms
Loss rate: 0.12%

Run 9: Report of Indigo-1-128 — Data Link



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 18:07:40
End at: 2018-01-26 18:08:10
Local clock offset: 0.923 ms
Remote clock offset: -5.518 ms

Below is generated by plot.py at 2018-01-26 18:54:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 47.088 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 72.77 Mbit/s
95th percentile per-packet one-way delay: 44.692 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 47.412 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 54.477 ms
Loss rate: 2.65%

Run 10: Report of Indigo-1-128 — Data Link

