

## Pantheon Report

Generated at 2018-01-26 17:21:08 (UTC).

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

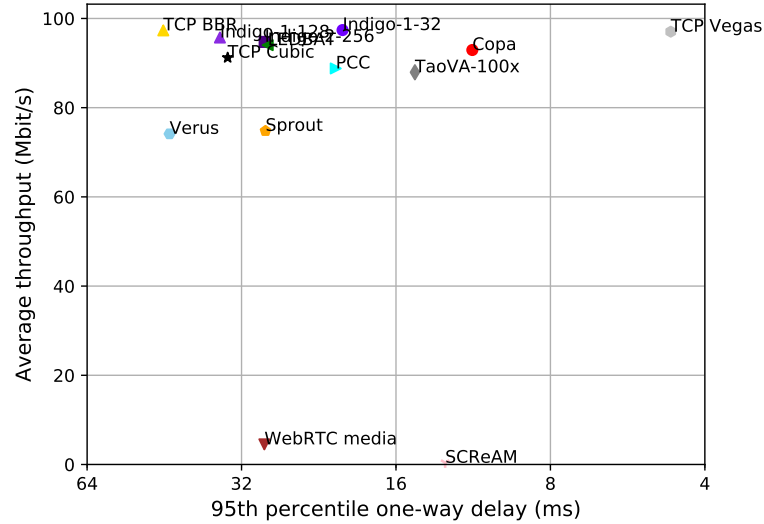
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

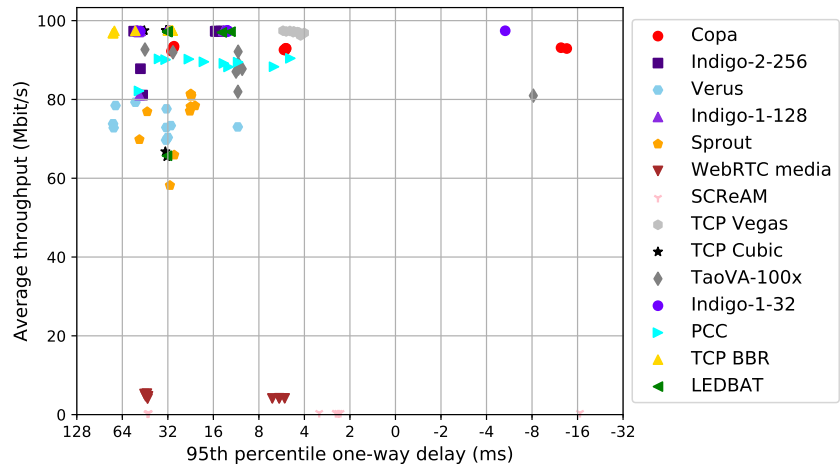
Git summary:

```
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 Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



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





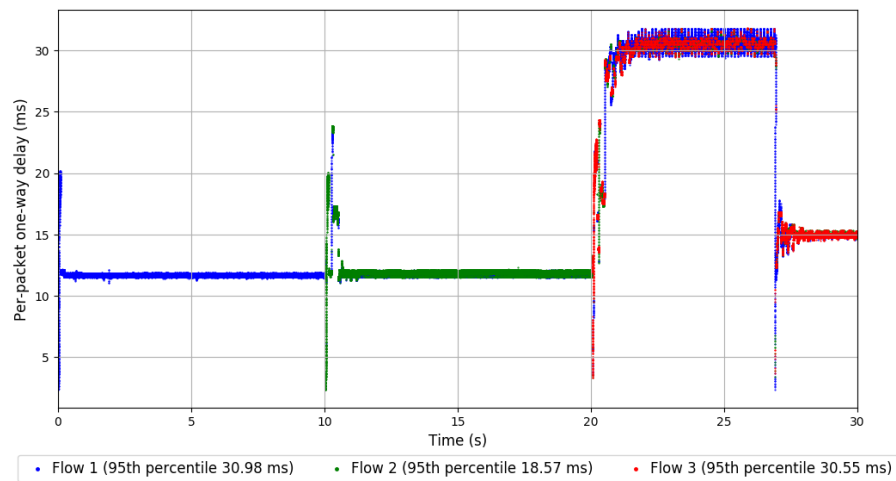
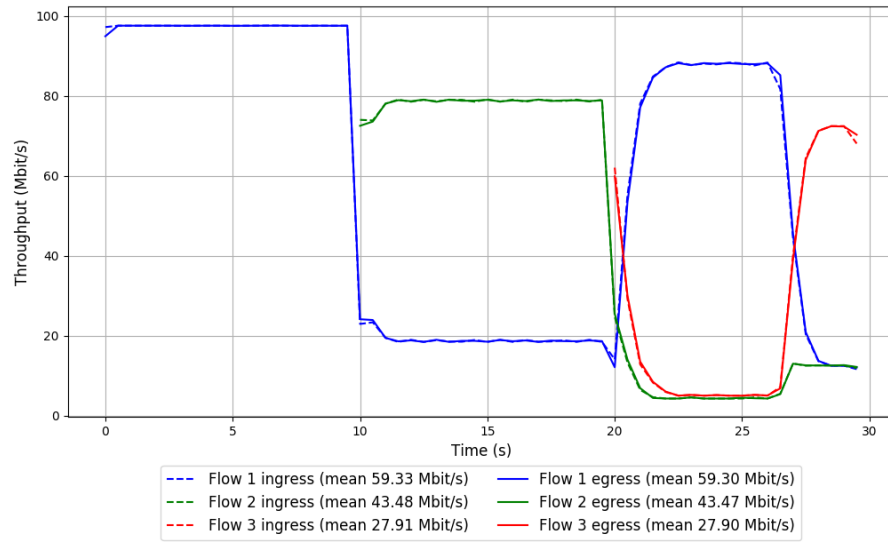
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.57	46.22	31.35	26.78	34.81	46.31	0.91	3.79	9.10
TCP Cubic	10	54.01	41.05	29.72	40.35	34.56	32.78	0.47	0.08	0.11
LEDBAT	10	57.68	38.78	31.78	32.29	32.49	28.57	0.40	0.39	0.07
PCC	10	72.80	19.33	9.53	8.00	22.79	23.28	0.41	0.93	0.59
QUIC Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SCReAM	10	0.18	0.22	0.20	8.76	0.50	8.88	0.82	0.00	1.13
WebRTC media	10	2.69	1.44	0.38	25.19	5.86	11.85	1.52	0.00	0.38
Sprout	10	41.79	34.92	29.65	19.03	24.14	25.46	0.32	0.37	0.27
TaoVA-100x	9	47.09	51.13	21.20	5.12	15.93	12.38	0.03	0.46	0.62
TCP Vegas	10	53.14	38.65	54.72	6.03	12.63	9.14	0.00	0.46	0.26
Verus	10	43.76	34.64	23.34	26.82	45.18	37.08	12.19	31.84	32.87
Copa	10	60.60	37.37	29.41	9.88	14.65	15.55	0.00	0.28	0.06
Indigo-2-256	10	52.59	41.98	43.71	20.96	22.12	20.75	0.39	0.70	0.19
Indigo-1-32	10	49.17	44.57	57.06	7.09	12.74	21.23	0.00	0.25	1.20
Indigo-1-128	10	59.11	33.75	43.55	15.78	24.74	29.67	0.21	1.02	1.32

Run 1: Statistics of TCP BBR

Start at: 2018-01-26 13:35:36  
End at: 2018-01-26 13:36:06  
Local clock offset: 0.118 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-01-26 16:59:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 30.786 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.30 Mbit/s  
95th percentile per-packet one-way delay: 30.978 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 43.47 Mbit/s  
95th percentile per-packet one-way delay: 18.569 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 27.90 Mbit/s  
95th percentile per-packet one-way delay: 30.549 ms  
Loss rate: 0.00%

## Run 1: Report of TCP BBR — Data Link

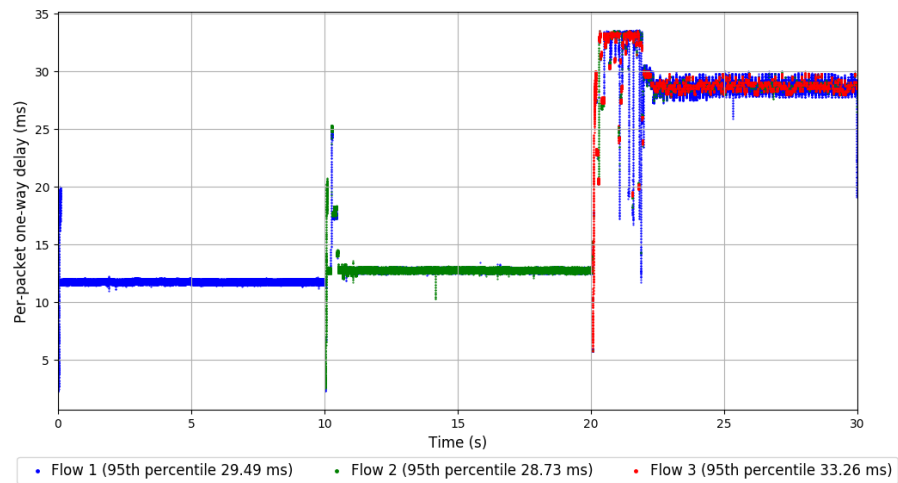
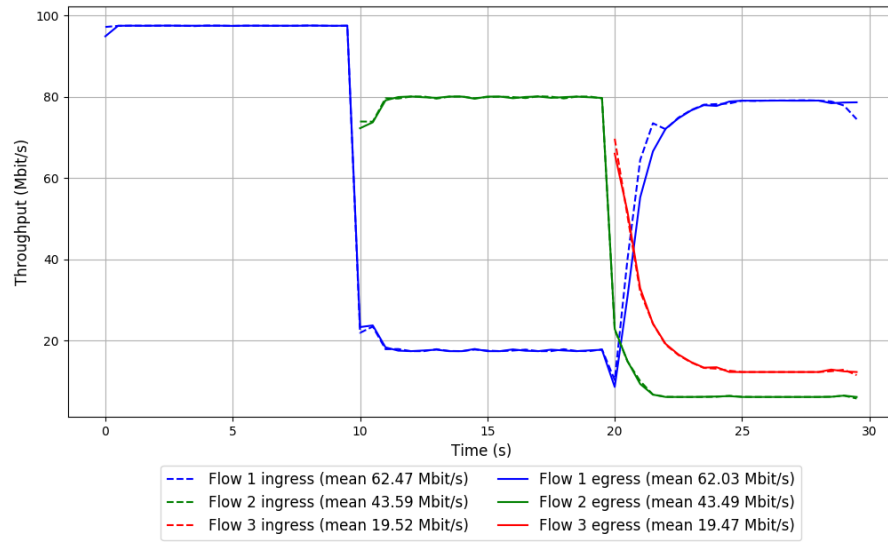


Run 2: Statistics of TCP BBR

Start at: 2018-01-26 13:53:51  
End at: 2018-01-26 13:54:21  
Local clock offset: 0.176 ms  
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-01-26 16:59:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 29.771 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 62.03 Mbit/s  
95th percentile per-packet one-way delay: 29.488 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 43.49 Mbit/s  
95th percentile per-packet one-way delay: 28.728 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 19.47 Mbit/s  
95th percentile per-packet one-way delay: 33.257 ms  
Loss rate: 0.12%

## Run 2: Report of TCP BBR — Data Link

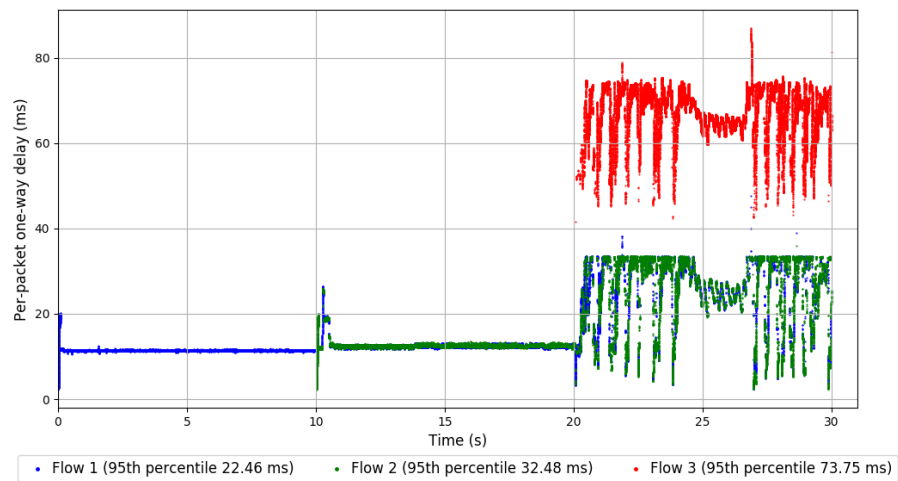
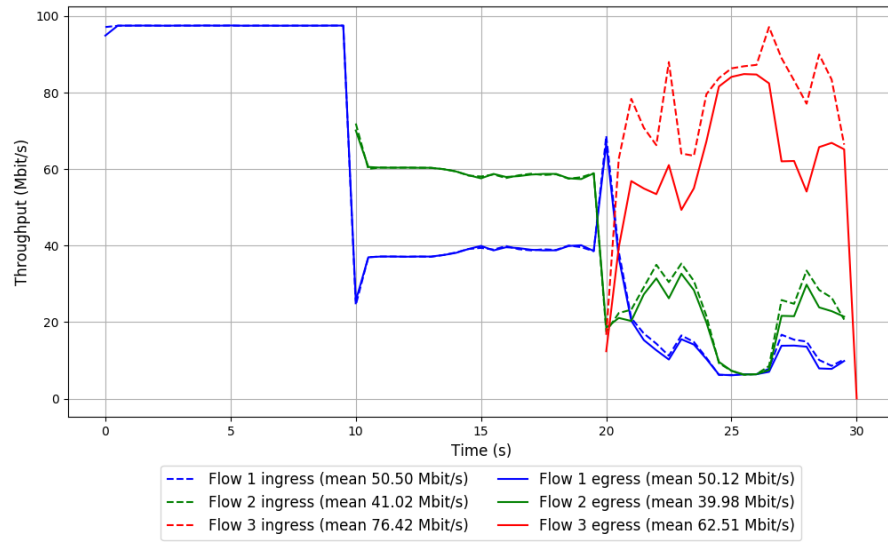


Run 3: Statistics of TCP BBR

Start at: 2018-01-26 14:12:04  
End at: 2018-01-26 14:12:34  
Local clock offset: 0.22 ms  
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-01-26 16:59:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.40 Mbit/s  
95th percentile per-packet one-way delay: 72.202 ms  
Loss rate: 5.47%  
-- Flow 1:  
Average throughput: 50.12 Mbit/s  
95th percentile per-packet one-way delay: 22.461 ms  
Loss rate: 0.71%  
-- Flow 2:  
Average throughput: 39.98 Mbit/s  
95th percentile per-packet one-way delay: 32.478 ms  
Loss rate: 2.47%  
-- Flow 3:  
Average throughput: 62.51 Mbit/s  
95th percentile per-packet one-way delay: 73.748 ms  
Loss rate: 18.20%

### Run 3: Report of TCP BBR — Data Link



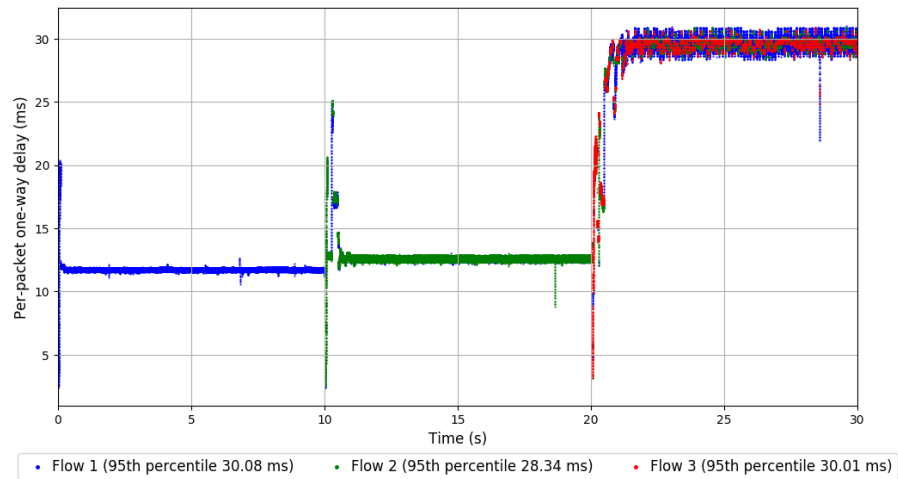
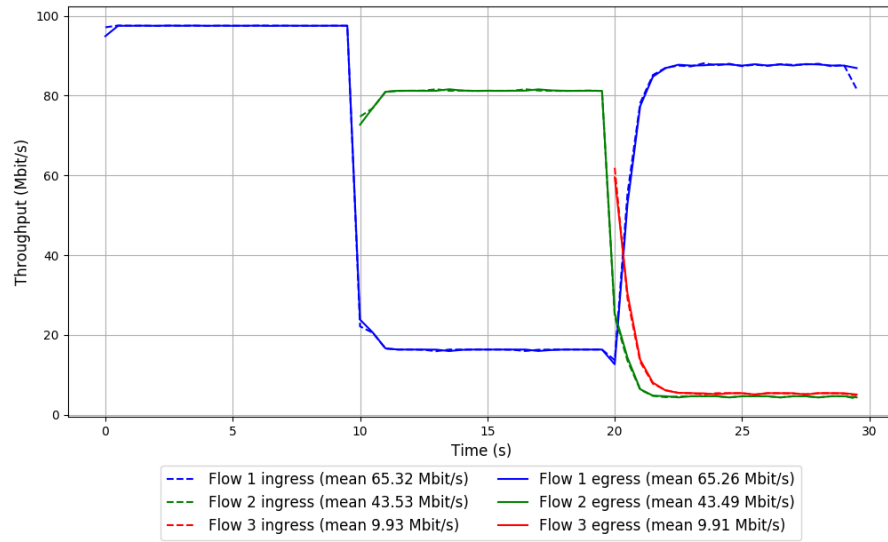
Run 4: Statistics of TCP BBR

Start at: 2018-01-26 14:30:15  
End at: 2018-01-26 14:30:45  
Local clock offset: 0.161 ms  
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-01-26 16:59:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 29.933 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 65.26 Mbit/s  
95th percentile per-packet one-way delay: 30.081 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 43.49 Mbit/s  
95th percentile per-packet one-way delay: 28.335 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 9.91 Mbit/s  
95th percentile per-packet one-way delay: 30.006 ms  
Loss rate: 0.00%



#### Run 4: Report of TCP BBR — Data Link

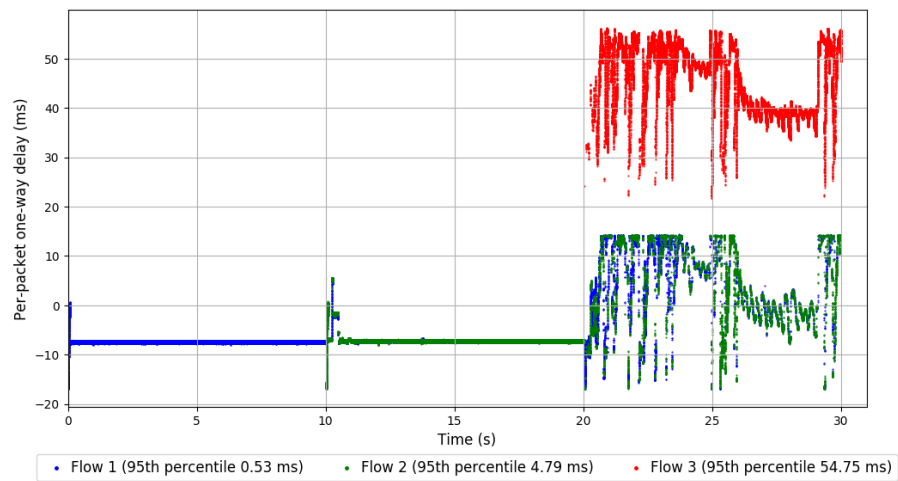
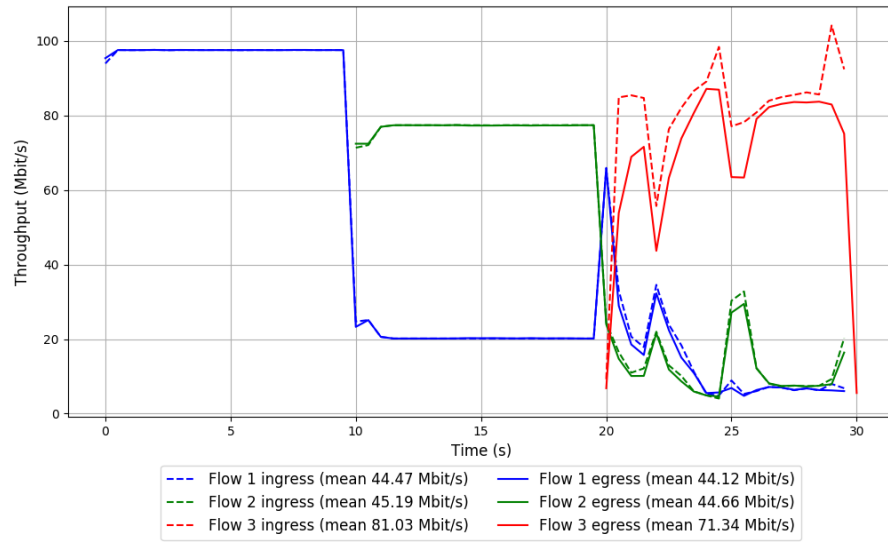


Run 5: Statistics of TCP BBR

Start at: 2018-01-26 14:48:28  
End at: 2018-01-26 14:48:58  
Local clock offset: 0.277 ms  
Remote clock offset: -19.379 ms

# Below is generated by plot.py at 2018-01-26 16:59:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 52.487 ms  
Loss rate: 3.72%  
-- Flow 1:  
Average throughput: 44.12 Mbit/s  
95th percentile per-packet one-way delay: 0.530 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 44.66 Mbit/s  
95th percentile per-packet one-way delay: 4.794 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 71.34 Mbit/s  
95th percentile per-packet one-way delay: 54.749 ms  
Loss rate: 11.73%

# Run 5: Report of TCP BBR — Data Link

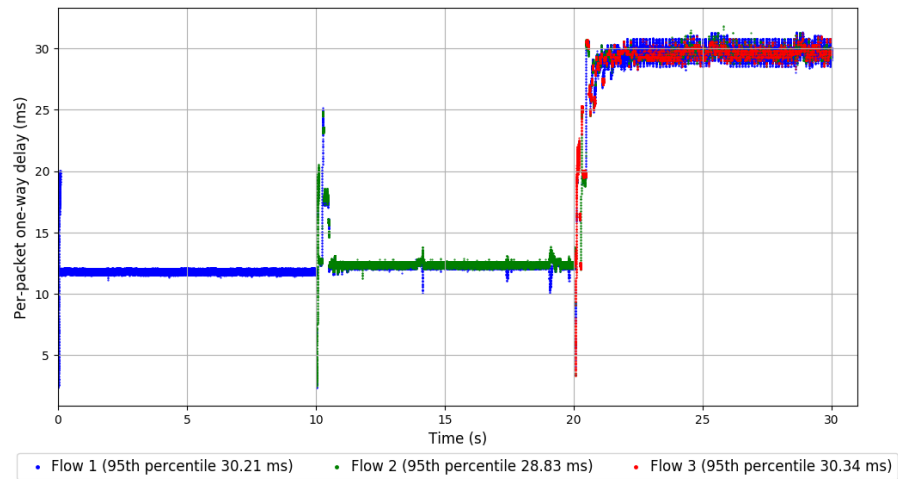
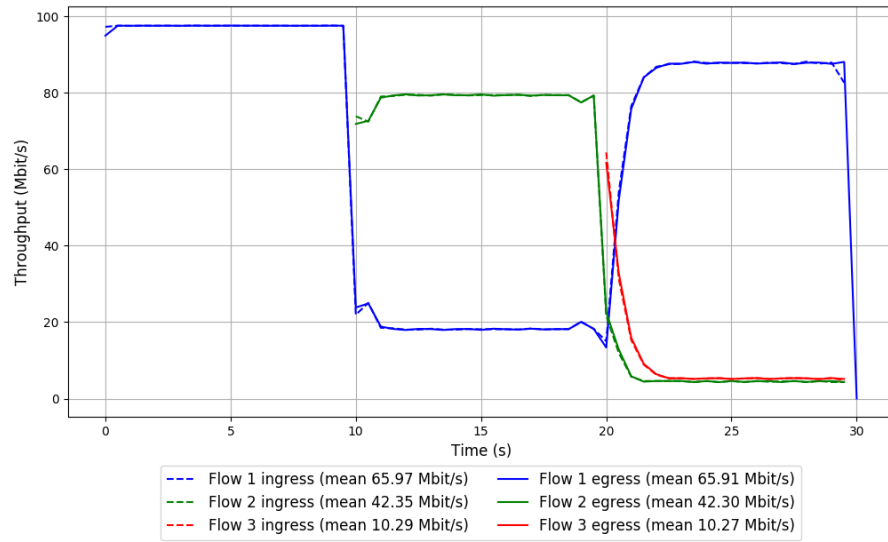


Run 6: Statistics of TCP BBR

Start at: 2018-01-26 15:06:42  
End at: 2018-01-26 15:07:12  
Local clock offset: 0.192 ms  
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-01-26 16:59:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.46 Mbit/s  
95th percentile per-packet one-way delay: 30.061 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 65.91 Mbit/s  
95th percentile per-packet one-way delay: 30.208 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.30 Mbit/s  
95th percentile per-packet one-way delay: 28.833 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 10.27 Mbit/s  
95th percentile per-packet one-way delay: 30.336 ms  
Loss rate: 0.00%

## Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-26 15:24:54

End at: 2018-01-26 15:25:24

Local clock offset: 0.263 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-01-26 16:59:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 29.931 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 29.968 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.65 Mbit/s

95th percentile per-packet one-way delay: 28.719 ms

Loss rate: 0.00%

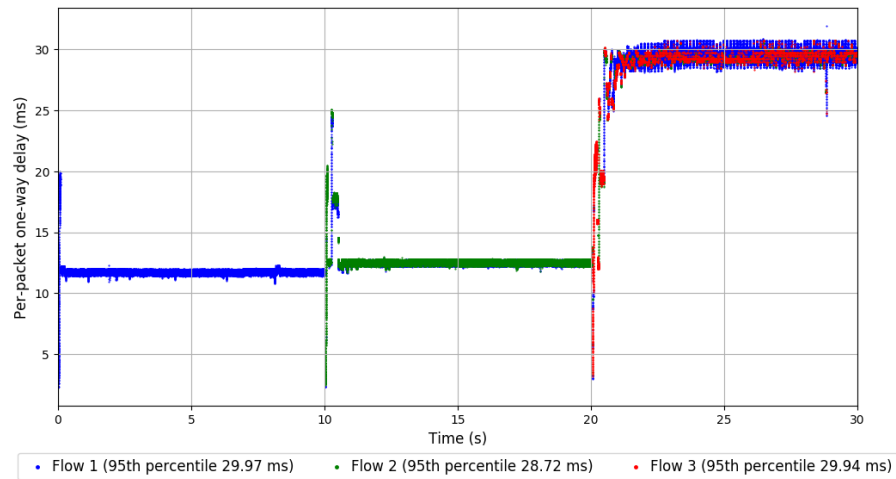
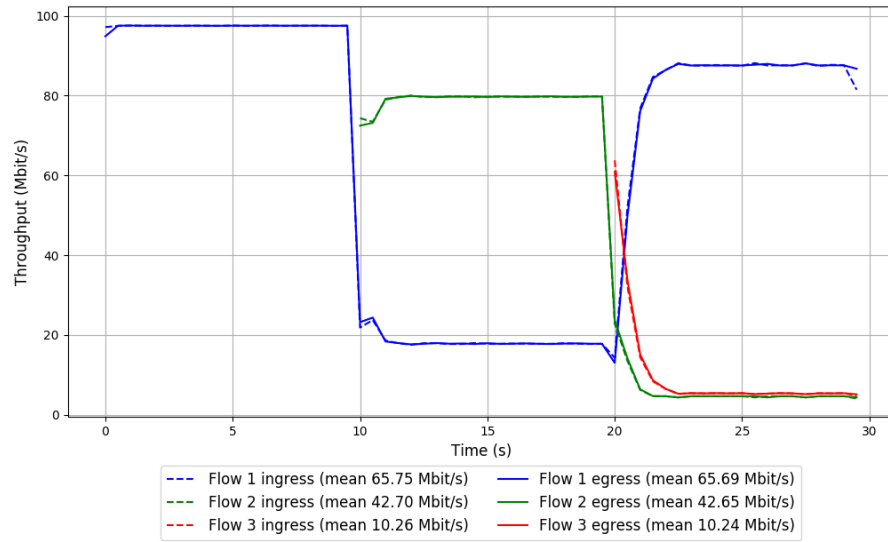
-- Flow 3:

Average throughput: 10.24 Mbit/s

95th percentile per-packet one-way delay: 29.938 ms

Loss rate: 0.00%

## Run 7: Report of TCP BBR — Data Link



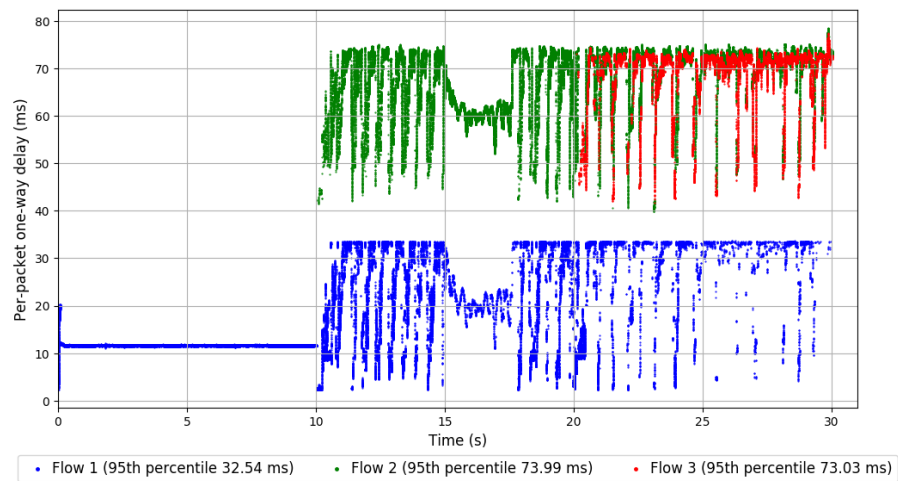
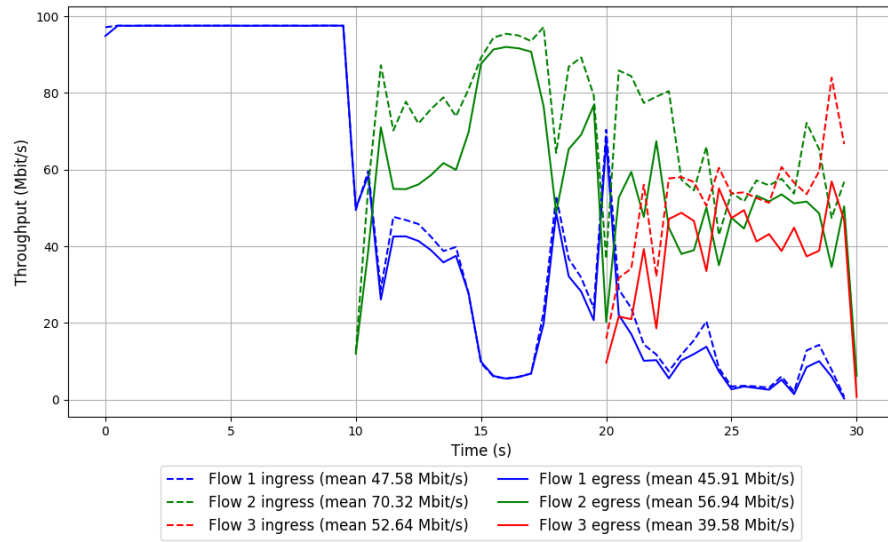
Run 8: Statistics of TCP BBR

Start at: 2018-01-26 15:43:07  
End at: 2018-01-26 15:43:37  
Local clock offset: 0.196 ms  
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-01-26 16:59:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.82 Mbit/s  
95th percentile per-packet one-way delay: 73.523 ms  
Loss rate: 13.24%  
-- Flow 1:  
Average throughput: 45.91 Mbit/s  
95th percentile per-packet one-way delay: 32.539 ms  
Loss rate: 3.40%  
-- Flow 2:  
Average throughput: 56.94 Mbit/s  
95th percentile per-packet one-way delay: 73.991 ms  
Loss rate: 18.91%  
-- Flow 3:  
Average throughput: 39.58 Mbit/s  
95th percentile per-packet one-way delay: 73.029 ms  
Loss rate: 24.81%



## Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-01-26 16:01:20

End at: 2018-01-26 16:01:50

Local clock offset: 0.194 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-01-26 17:01:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.83 Mbit/s

95th percentile per-packet one-way delay: 73.995 ms

Loss rate: 12.18%

-- Flow 1:

Average throughput: 45.34 Mbit/s

95th percentile per-packet one-way delay: 31.291 ms

Loss rate: 2.43%

-- Flow 2:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 74.199 ms

Loss rate: 15.22%

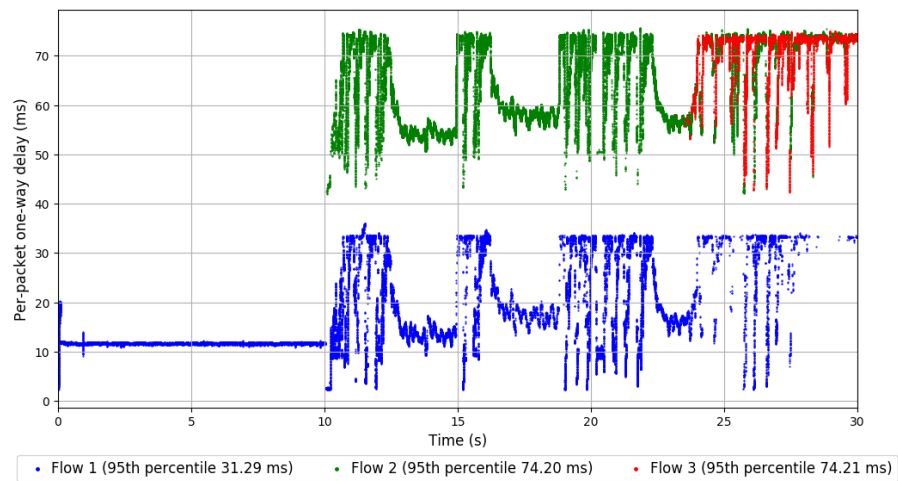
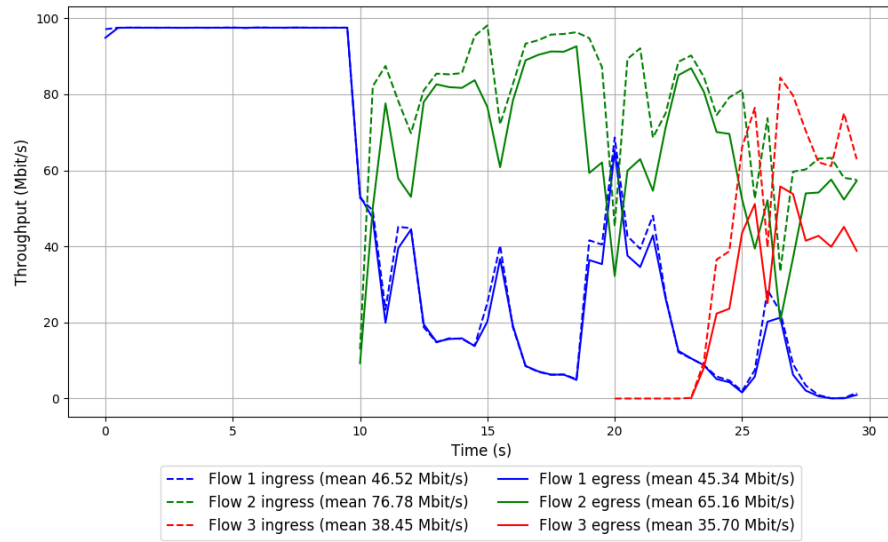
-- Flow 3:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 74.209 ms

Loss rate: 35.57%

# Run 9: Report of TCP BBR — Data Link

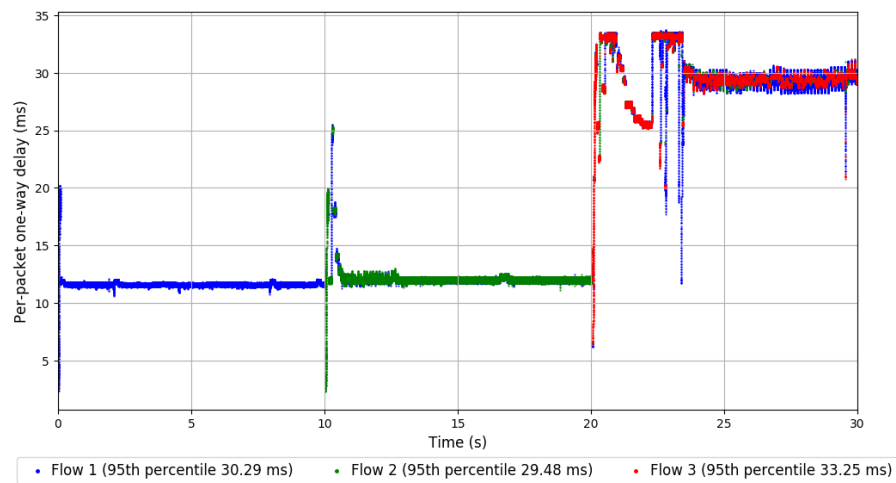
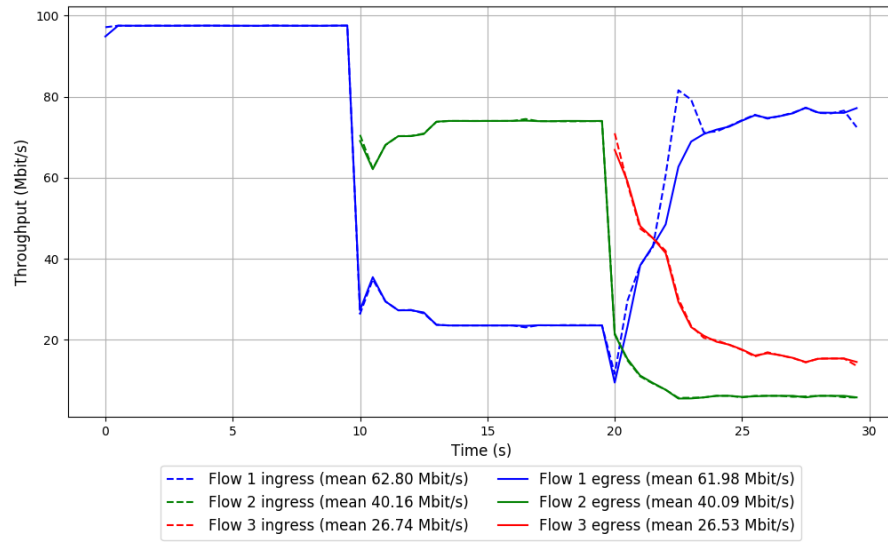


Run 10: Statistics of TCP BBR

Start at: 2018-01-26 16:19:36  
End at: 2018-01-26 16:20:06  
Local clock offset: 0.154 ms  
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-01-26 17:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 31.967 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 61.98 Mbit/s  
95th percentile per-packet one-way delay: 30.293 ms  
Loss rate: 1.22%  
-- Flow 2:  
Average throughput: 40.09 Mbit/s  
95th percentile per-packet one-way delay: 29.481 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 26.53 Mbit/s  
95th percentile per-packet one-way delay: 33.253 ms  
Loss rate: 0.60%

## Run 10: Report of TCP BBR — Data Link

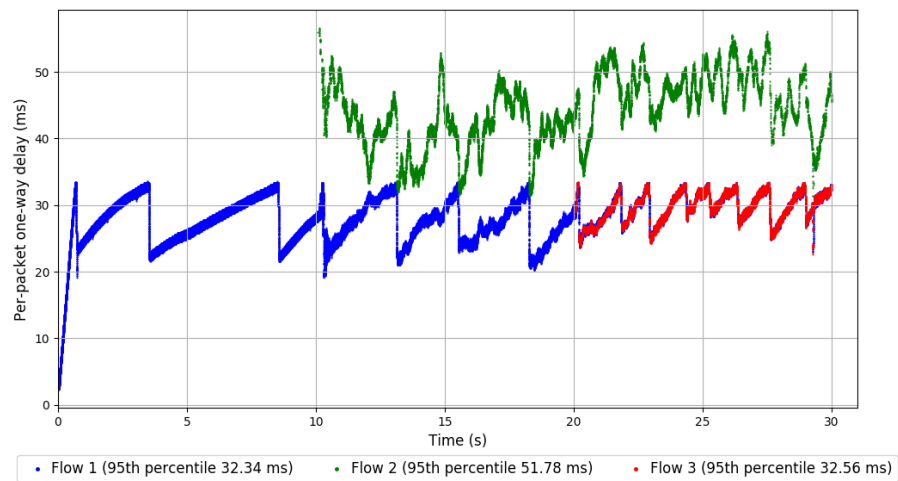
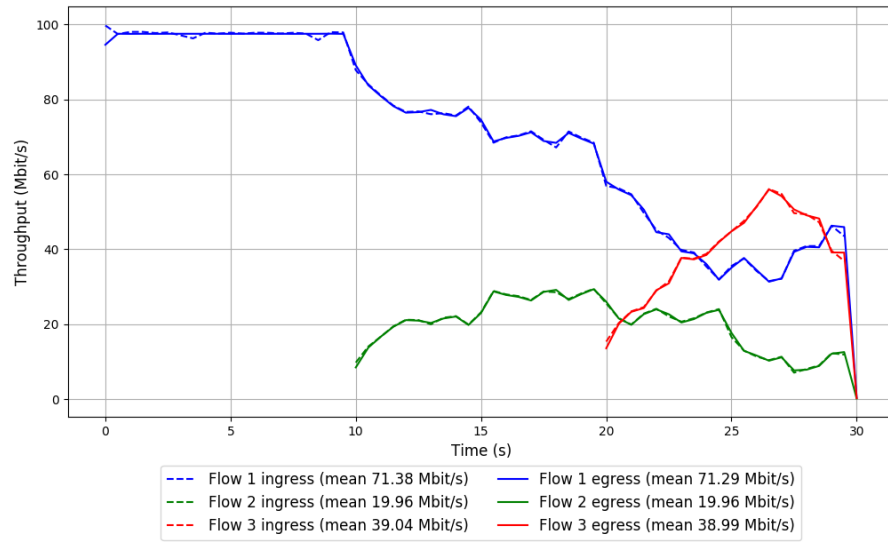


Run 1: Statistics of TCP Cubic

Start at: 2018-01-26 13:40:11  
End at: 2018-01-26 13:40:41  
Local clock offset: 0.112 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-01-26 17:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.49 Mbit/s  
95th percentile per-packet one-way delay: 45.792 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 71.29 Mbit/s  
95th percentile per-packet one-way delay: 32.345 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 19.96 Mbit/s  
95th percentile per-packet one-way delay: 51.778 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 38.99 Mbit/s  
95th percentile per-packet one-way delay: 32.563 ms  
Loss rate: 0.09%

## Run 1: Report of TCP Cubic — Data Link



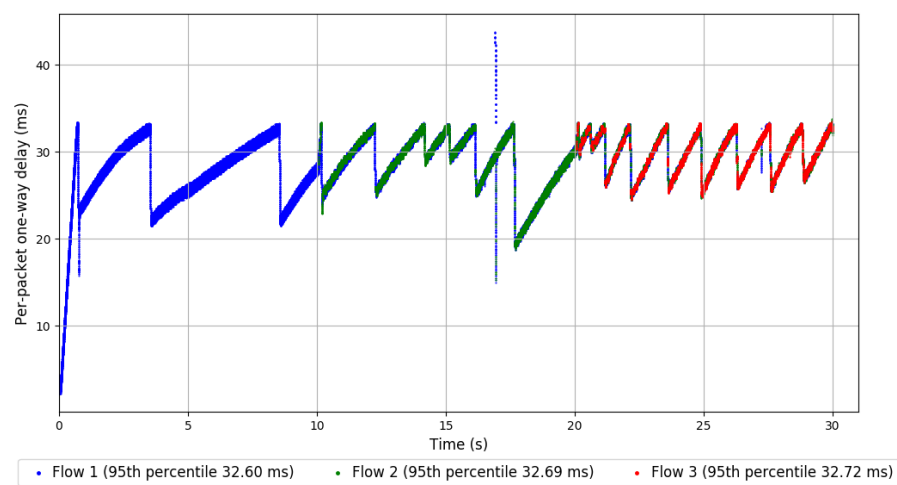
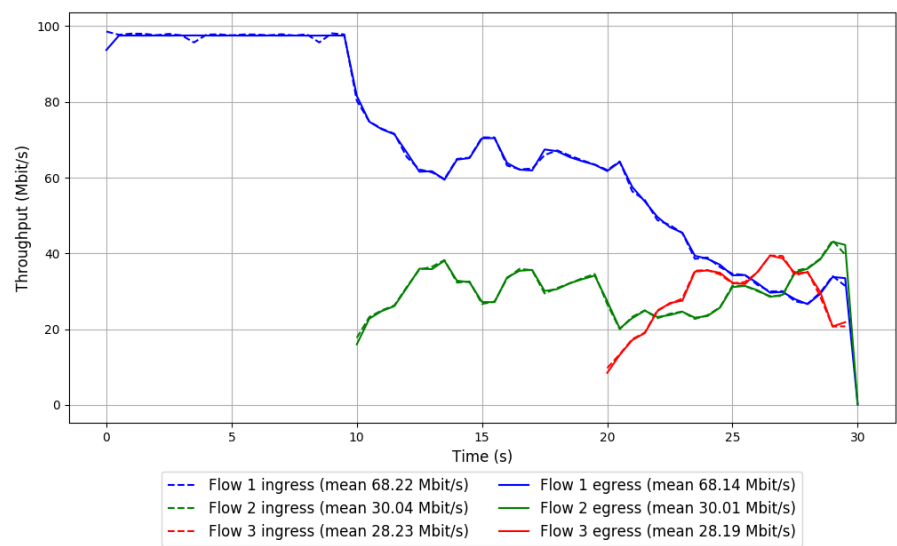
Run 2: Statistics of TCP Cubic

Start at: 2018-01-26 13:58:25  
End at: 2018-01-26 13:58:55  
Local clock offset: 0.184 ms  
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2018-01-26 17:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 32.657 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 68.14 Mbit/s  
95th percentile per-packet one-way delay: 32.604 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 30.01 Mbit/s  
95th percentile per-packet one-way delay: 32.692 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 28.19 Mbit/s  
95th percentile per-packet one-way delay: 32.722 ms  
Loss rate: 0.10%



Run 2: Report of TCP Cubic — Data Link

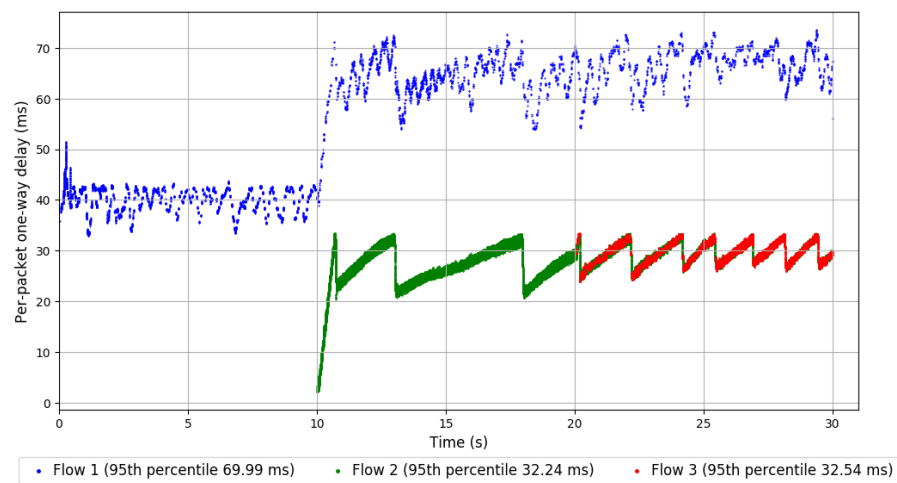
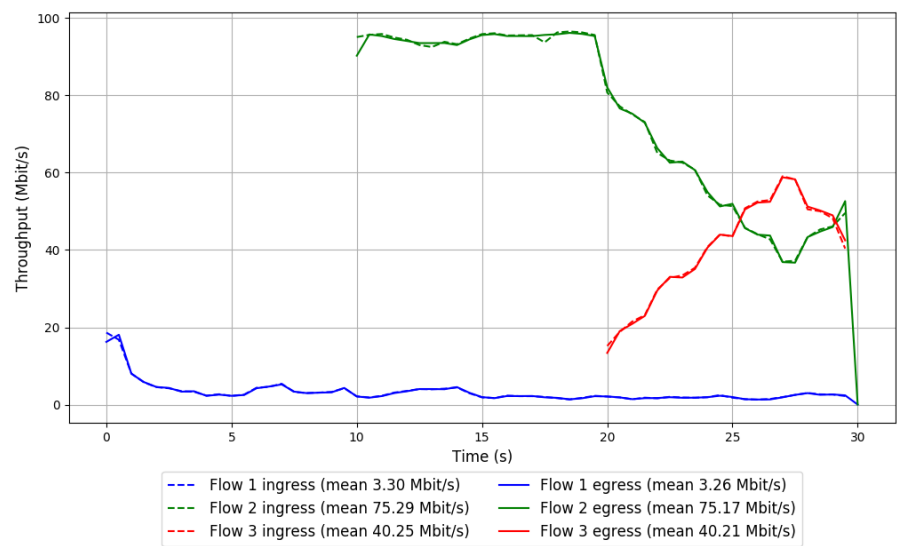


Run 3: Statistics of TCP Cubic

Start at: 2018-01-26 14:16:38  
End at: 2018-01-26 14:17:08  
Local clock offset: 0.149 ms  
Remote clock offset: -0.236 ms

# Below is generated by plot.py at 2018-01-26 17:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.76 Mbit/s  
95th percentile per-packet one-way delay: 33.235 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 3.26 Mbit/s  
95th percentile per-packet one-way delay: 69.987 ms  
Loss rate: 1.03%  
-- Flow 2:  
Average throughput: 75.17 Mbit/s  
95th percentile per-packet one-way delay: 32.240 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 40.21 Mbit/s  
95th percentile per-packet one-way delay: 32.539 ms  
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

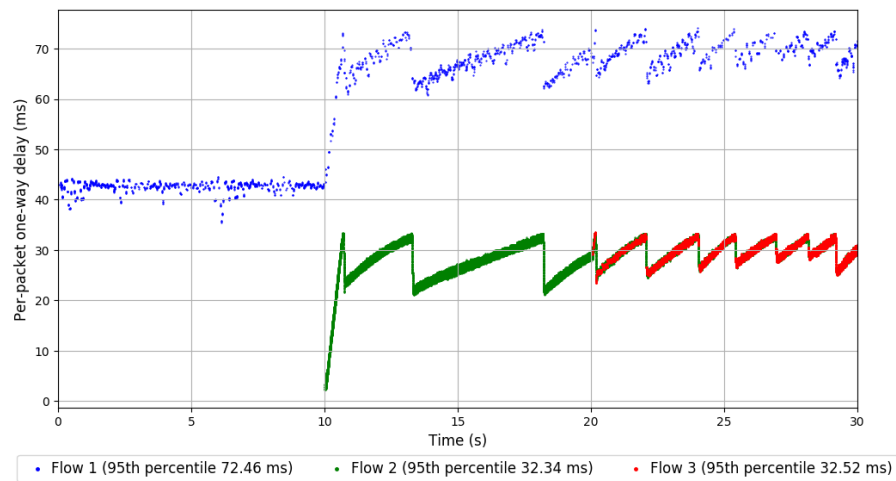
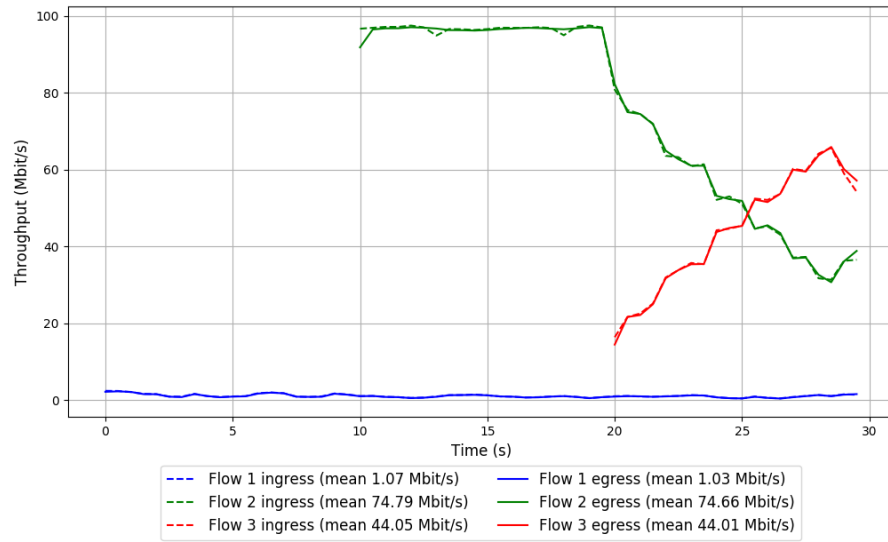


Run 4: Statistics of TCP Cubic

Start at: 2018-01-26 14:34:49  
End at: 2018-01-26 14:35:19  
Local clock offset: 0.249 ms  
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-01-26 17:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.48 Mbit/s  
95th percentile per-packet one-way delay: 32.527 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 1.03 Mbit/s  
95th percentile per-packet one-way delay: 72.459 ms  
Loss rate: 3.41%  
-- Flow 2:  
Average throughput: 74.66 Mbit/s  
95th percentile per-packet one-way delay: 32.342 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 44.01 Mbit/s  
95th percentile per-packet one-way delay: 32.524 ms  
Loss rate: 0.09%

#### Run 4: Report of TCP Cubic — Data Link

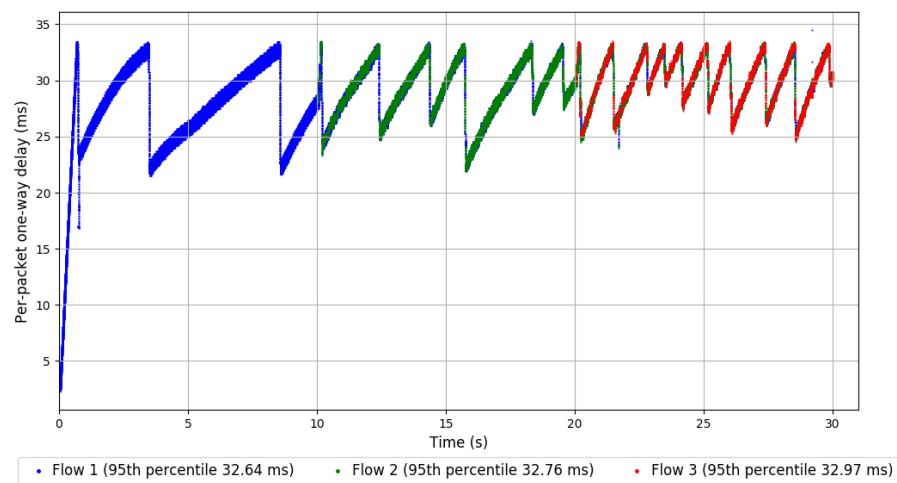
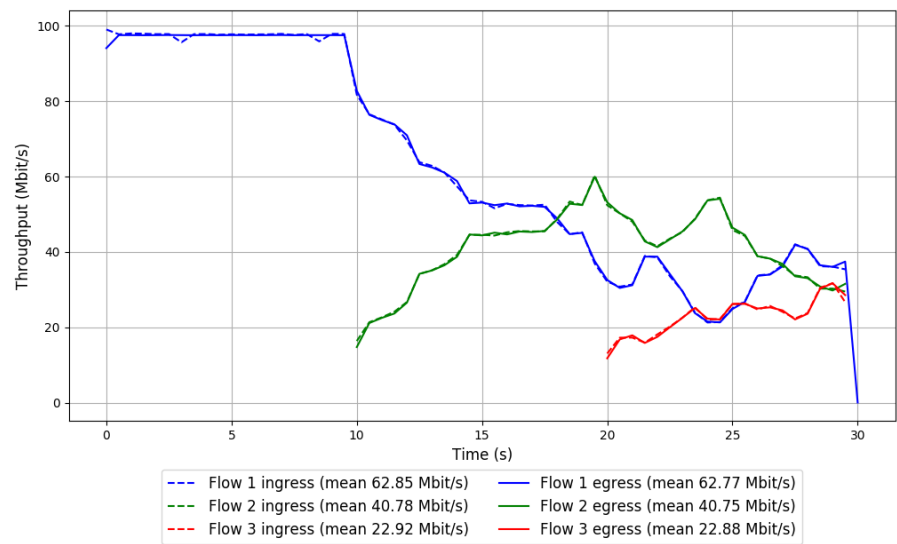


Run 5: Statistics of TCP Cubic

Start at: 2018-01-26 14:53:02  
End at: 2018-01-26 14:53:32  
Local clock offset: 0.265 ms  
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2018-01-26 17:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.722 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 62.77 Mbit/s  
95th percentile per-packet one-way delay: 32.642 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 40.75 Mbit/s  
95th percentile per-packet one-way delay: 32.758 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 22.88 Mbit/s  
95th percentile per-packet one-way delay: 32.973 ms  
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link



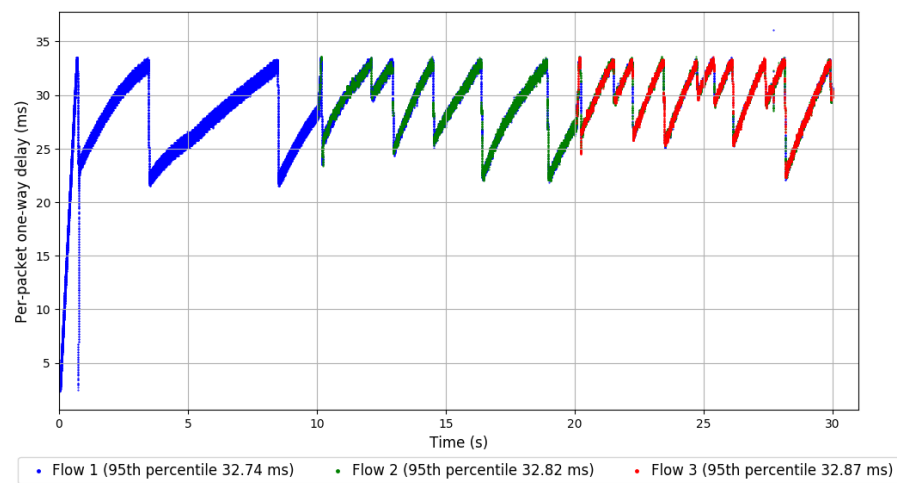
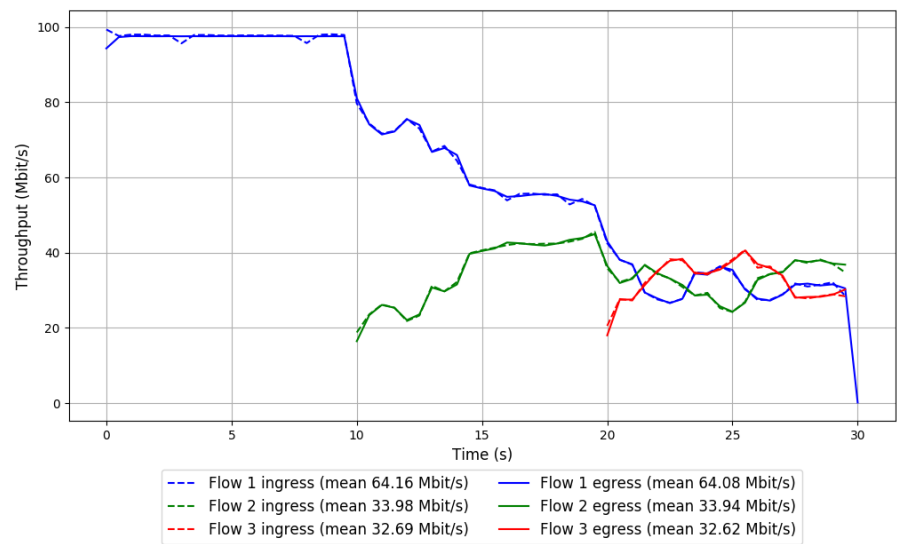
Run 6: Statistics of TCP Cubic

Start at: 2018-01-26 15:11:16  
End at: 2018-01-26 15:11:46  
Local clock offset: 0.196 ms  
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-01-26 17:01:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.48 Mbit/s  
95th percentile per-packet one-way delay: 32.799 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 64.08 Mbit/s  
95th percentile per-packet one-way delay: 32.740 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 33.94 Mbit/s  
95th percentile per-packet one-way delay: 32.818 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 32.62 Mbit/s  
95th percentile per-packet one-way delay: 32.873 ms  
Loss rate: 0.16%



Run 6: Report of TCP Cubic — Data Link

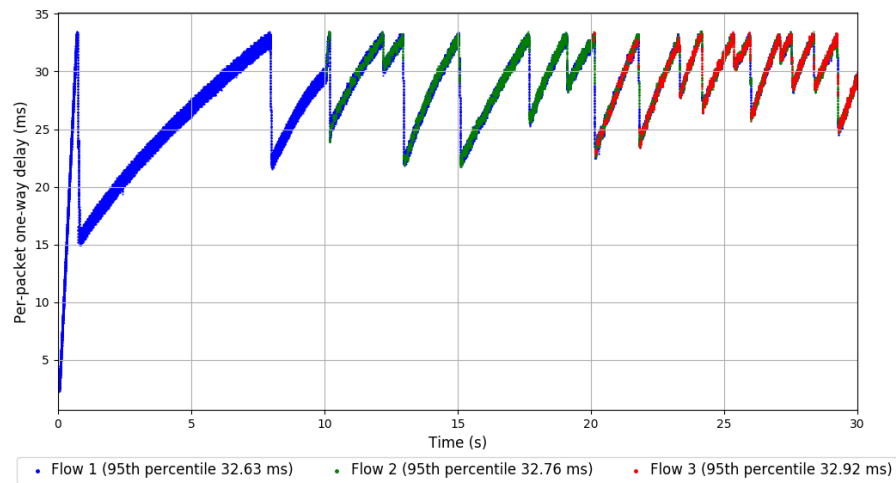
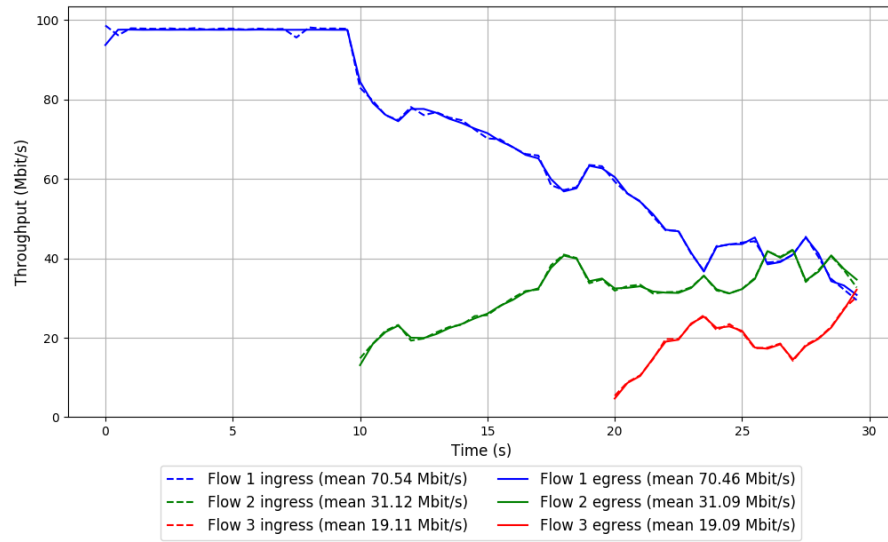


Run 7: Statistics of TCP Cubic

Start at: 2018-01-26 15:29:28  
End at: 2018-01-26 15:29:58  
Local clock offset: 0.264 ms  
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-01-26 17:02:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.47 Mbit/s  
95th percentile per-packet one-way delay: 32.708 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 70.46 Mbit/s  
95th percentile per-packet one-way delay: 32.633 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 31.09 Mbit/s  
95th percentile per-packet one-way delay: 32.758 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 19.09 Mbit/s  
95th percentile per-packet one-way delay: 32.918 ms  
Loss rate: 0.11%

## Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-01-26 15:47:42

End at: 2018-01-26 15:48:12

Local clock offset: 0.235 ms

Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-01-26 17:02:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.662 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 67.38 Mbit/s

95th percentile per-packet one-way delay: 32.639 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 32.686 ms

Loss rate: 0.09%

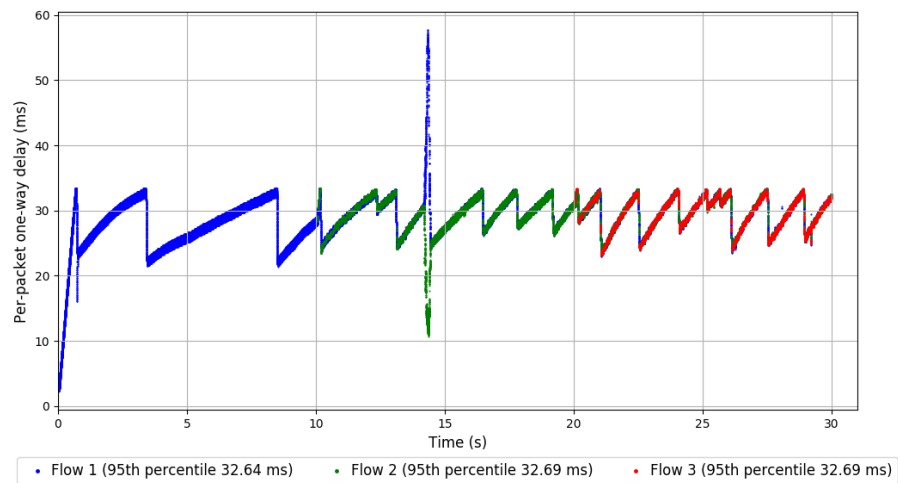
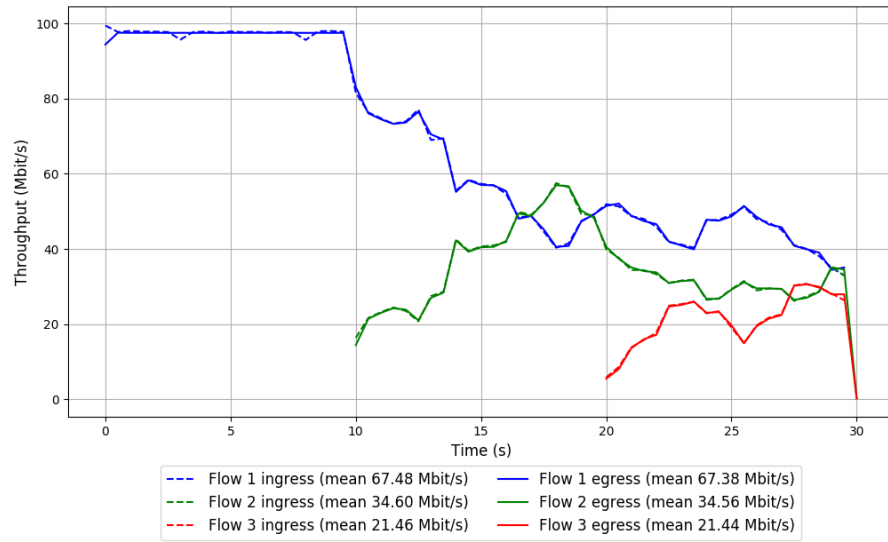
-- Flow 3:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 32.687 ms

Loss rate: 0.09%

## Run 8: Report of TCP Cubic — Data Link

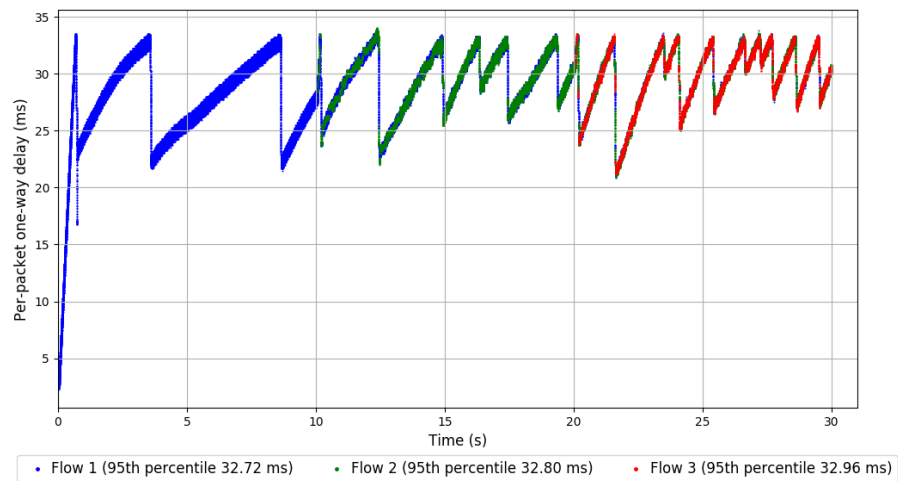
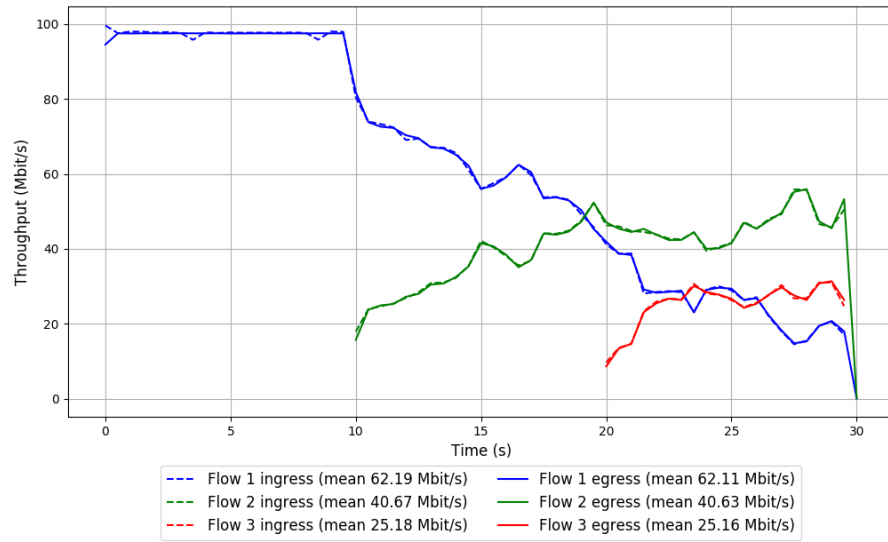


Run 9: Statistics of TCP Cubic

Start at: 2018-01-26 16:05:56  
End at: 2018-01-26 16:06:26  
Local clock offset: 0.244 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-01-26 17:02:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.49 Mbit/s  
95th percentile per-packet one-way delay: 32.755 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 62.11 Mbit/s  
95th percentile per-packet one-way delay: 32.715 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 40.63 Mbit/s  
95th percentile per-packet one-way delay: 32.795 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 25.16 Mbit/s  
95th percentile per-packet one-way delay: 32.961 ms  
Loss rate: 0.10%

## Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-01-26 16:24:10

End at: 2018-01-26 16:24:40

Local clock offset: 0.253 ms

Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-01-26 17:02:38

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.734 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 32.691 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 29.71 Mbit/s

95th percentile per-packet one-way delay: 32.780 ms

Loss rate: 0.11%

-- Flow 3:

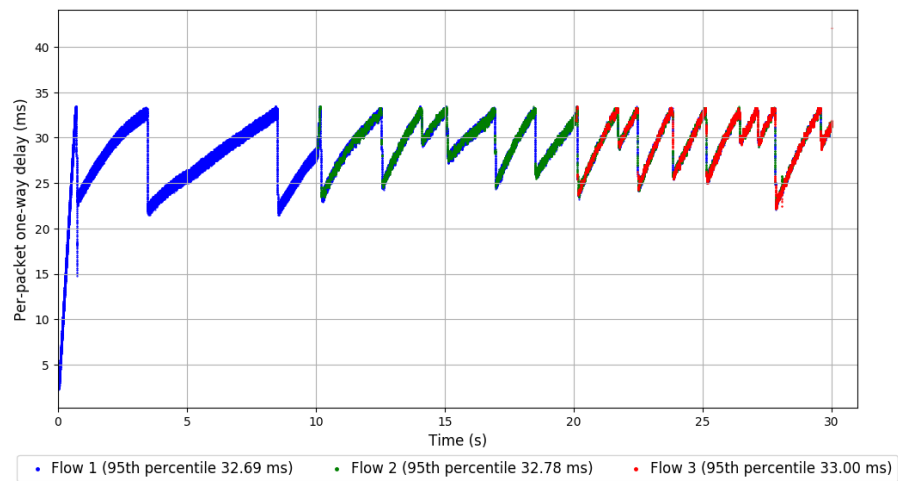
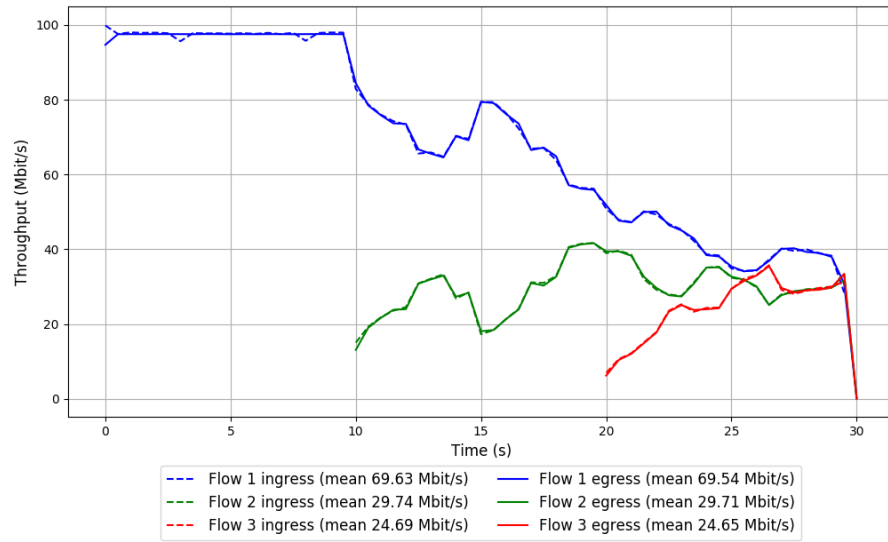
Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 32.999 ms

Loss rate: 0.07%



### Run 10: Report of TCP Cubic — Data Link

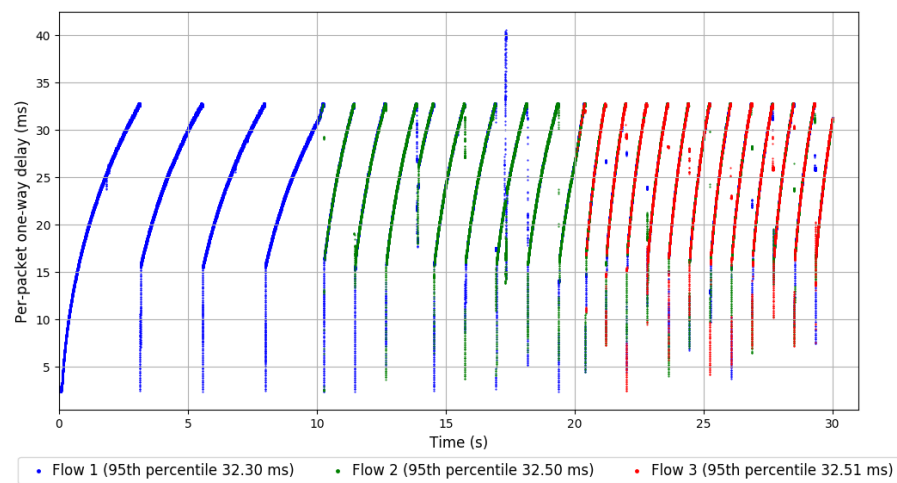
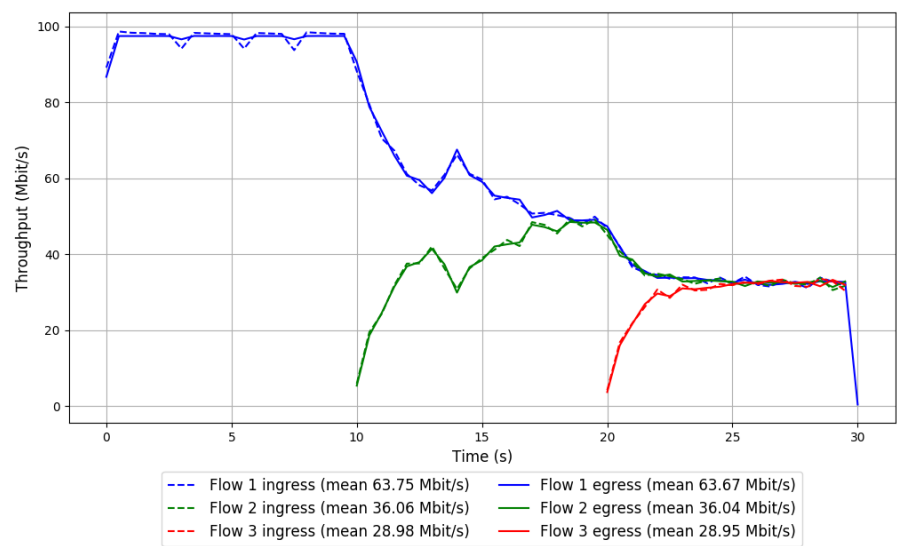


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-26 13:44:46
End at: 2018-01-26 13:45:16
Local clock offset: 0.093 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-01-26 17:02:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 32.333 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 32.295 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 32.499 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.08%
```

Run 1: Report of LEDBAT — Data Link

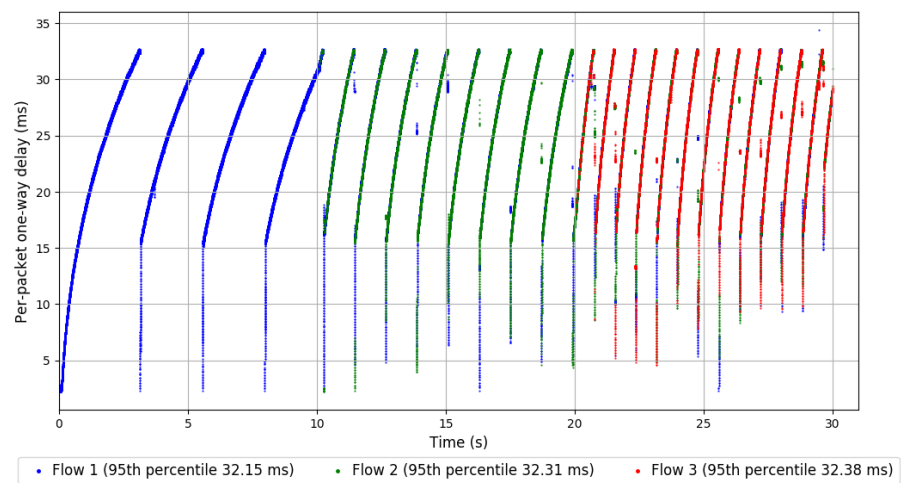
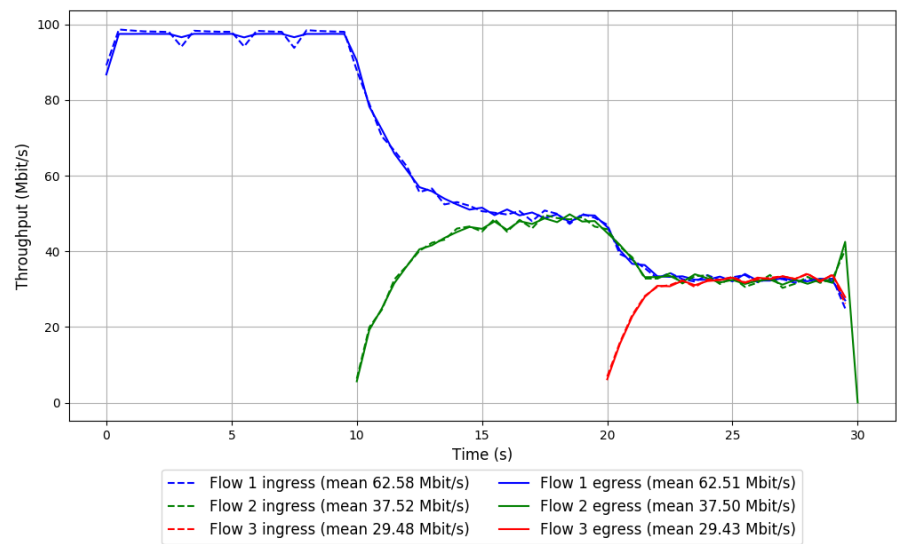


Run 2: Statistics of LEDBAT

Start at: 2018-01-26 14:03:00  
End at: 2018-01-26 14:03:30  
Local clock offset: 0.18 ms  
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2018-01-26 17:02:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 32.185 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.51 Mbit/s  
95th percentile per-packet one-way delay: 32.145 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.50 Mbit/s  
95th percentile per-packet one-way delay: 32.314 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 29.43 Mbit/s  
95th percentile per-packet one-way delay: 32.377 ms  
Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link

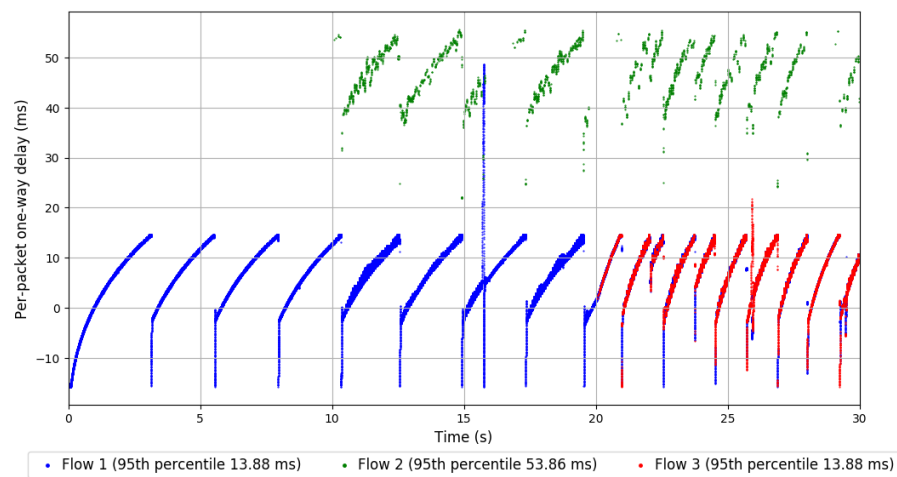
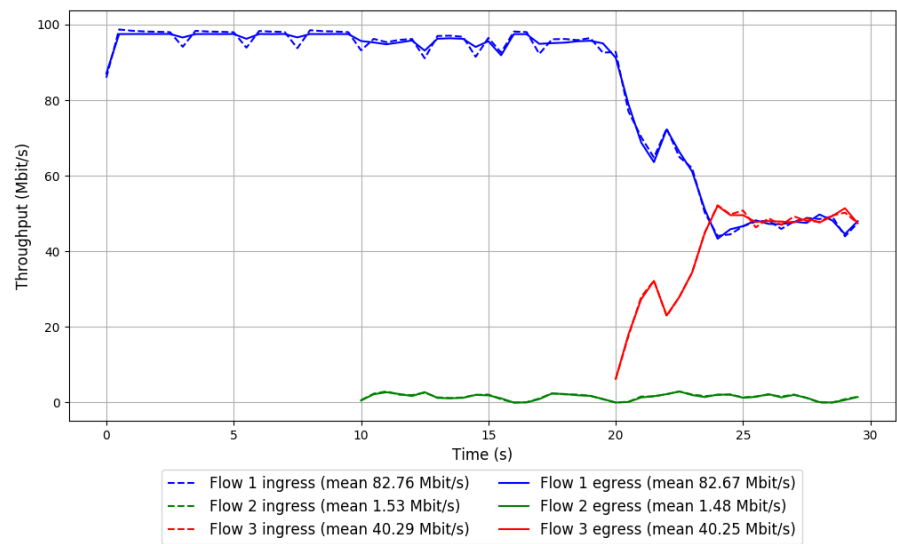


Run 3: Statistics of LEDBAT

Start at: 2018-01-26 14:21:11  
End at: 2018-01-26 14:21:41  
Local clock offset: 0.243 ms  
Remote clock offset: -18.251 ms

# Below is generated by plot.py at 2018-01-26 17:02:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.00 Mbit/s  
95th percentile per-packet one-way delay: 14.071 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 82.67 Mbit/s  
95th percentile per-packet one-way delay: 13.883 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 1.48 Mbit/s  
95th percentile per-packet one-way delay: 53.856 ms  
Loss rate: 3.47%  
-- Flow 3:  
Average throughput: 40.25 Mbit/s  
95th percentile per-packet one-way delay: 13.884 ms  
Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link



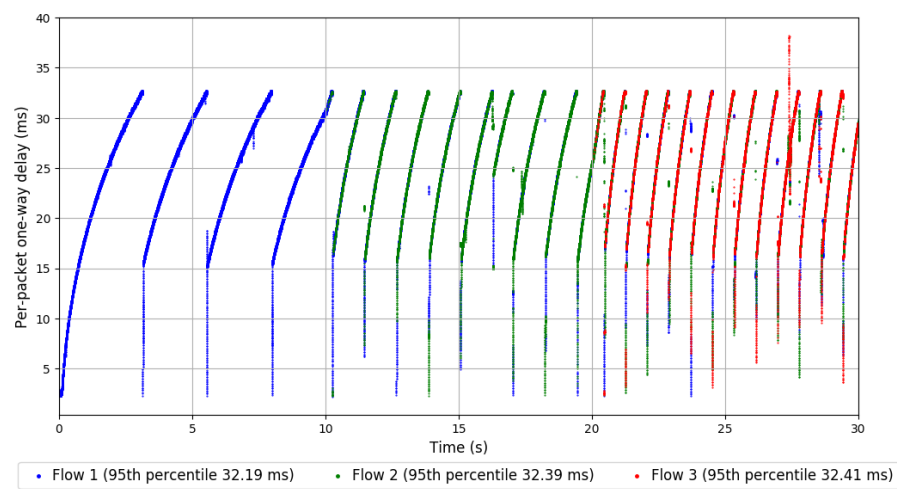
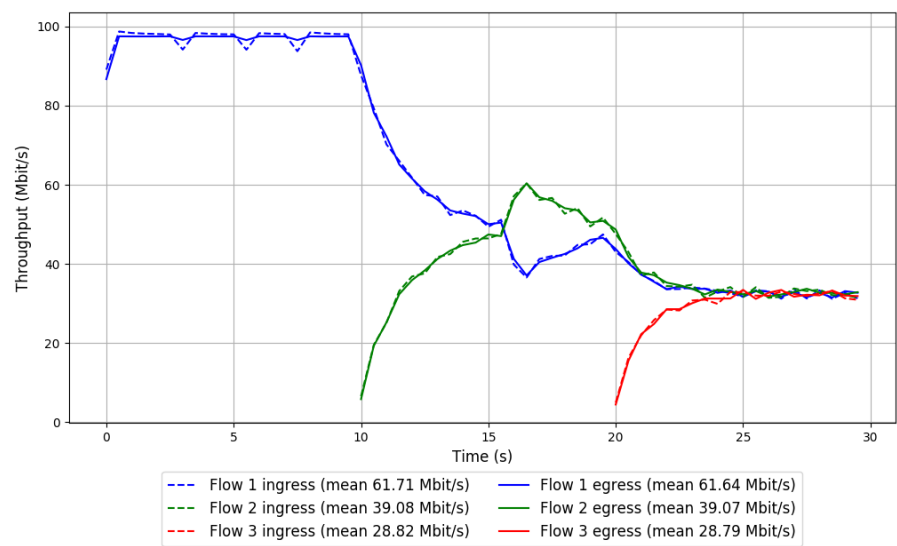
Run 4: Statistics of LEDBAT

Start at: 2018-01-26 14:39:23  
End at: 2018-01-26 14:39:53  
Local clock offset: 0.287 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-01-26 17:02:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.16 Mbit/s  
95th percentile per-packet one-way delay: 32.228 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 61.64 Mbit/s  
95th percentile per-packet one-way delay: 32.186 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 39.07 Mbit/s  
95th percentile per-packet one-way delay: 32.393 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 28.79 Mbit/s  
95th percentile per-packet one-way delay: 32.411 ms  
Loss rate: 0.07%



Run 4: Report of LEDBAT — Data Link

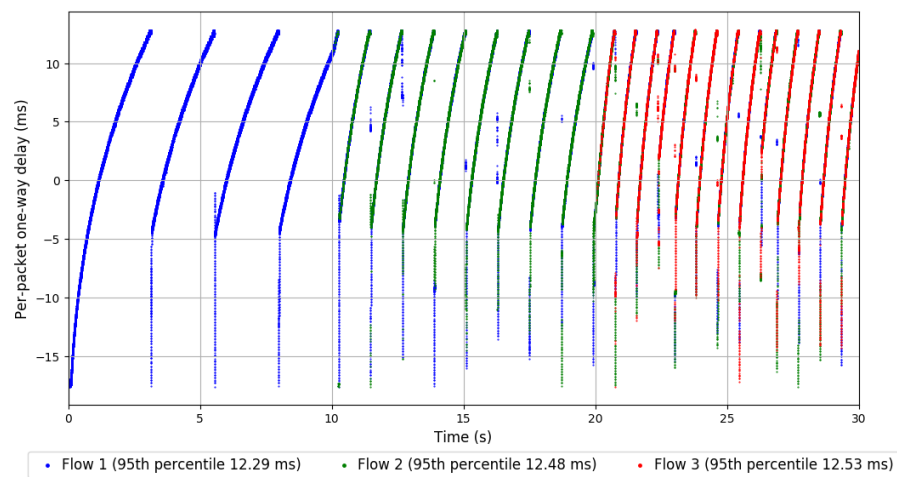
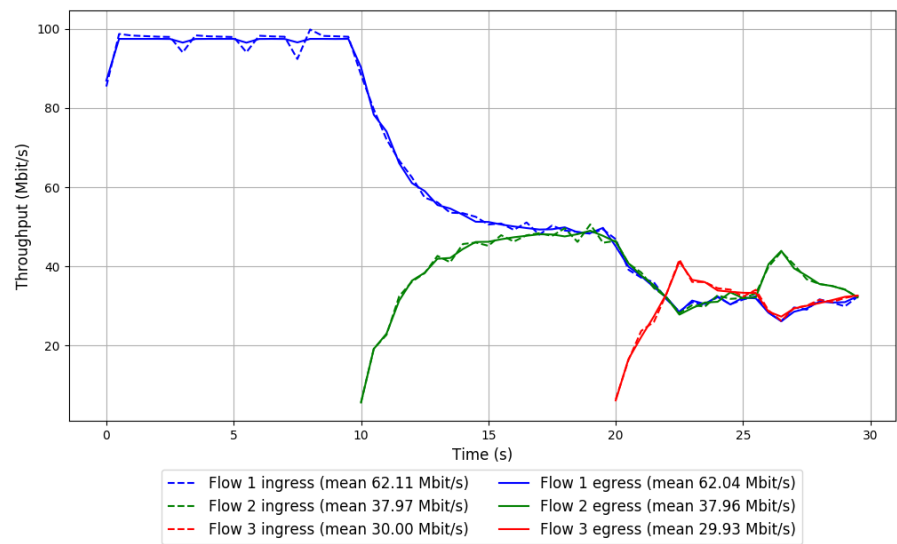


Run 5: Statistics of LEDBAT

Start at: 2018-01-26 14:57:37  
End at: 2018-01-26 14:58:07  
Local clock offset: 0.253 ms  
Remote clock offset: -20.071 ms

# Below is generated by plot.py at 2018-01-26 17:03:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.19 Mbit/s  
95th percentile per-packet one-way delay: 12.328 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.04 Mbit/s  
95th percentile per-packet one-way delay: 12.290 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 37.96 Mbit/s  
95th percentile per-packet one-way delay: 12.477 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 29.93 Mbit/s  
95th percentile per-packet one-way delay: 12.530 ms  
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

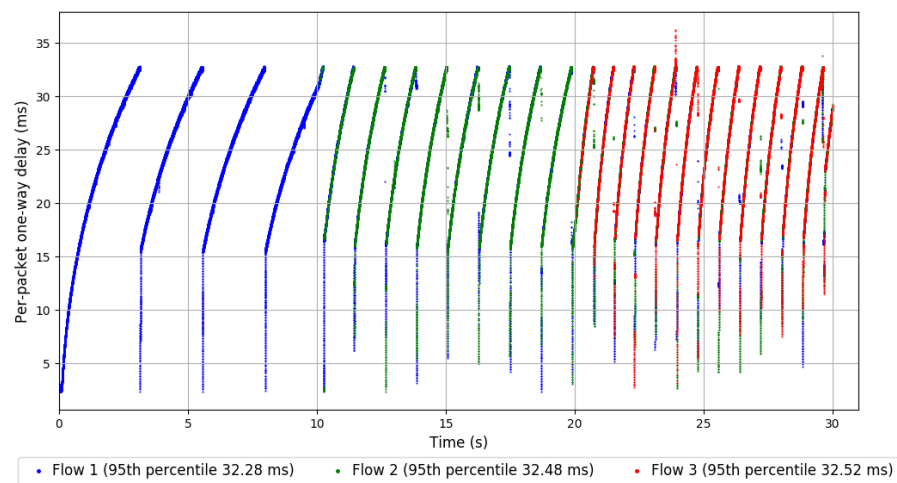
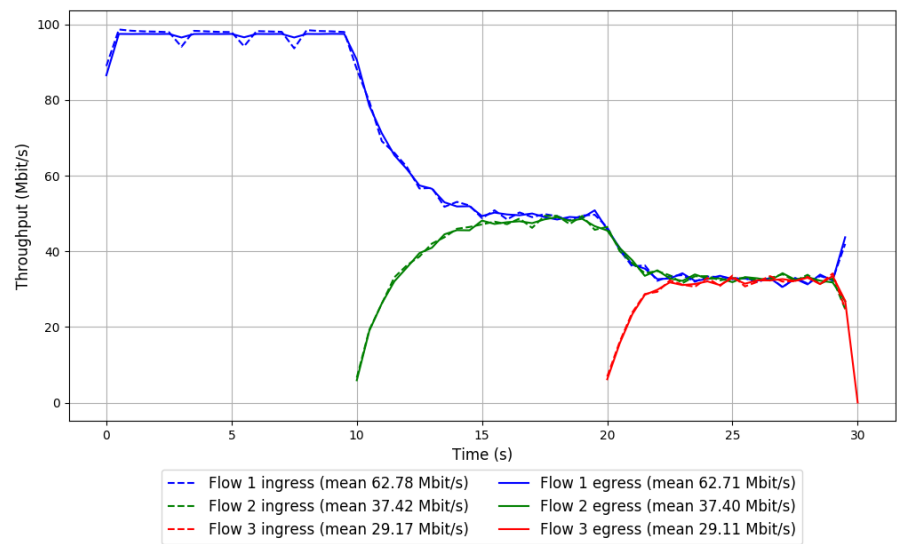


Run 6: Statistics of LEDBAT

Start at: 2018-01-26 15:15:50  
End at: 2018-01-26 15:16:20  
Local clock offset: 0.188 ms  
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-01-26 17:03:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.23 Mbit/s  
95th percentile per-packet one-way delay: 32.327 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.71 Mbit/s  
95th percentile per-packet one-way delay: 32.276 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 37.40 Mbit/s  
95th percentile per-packet one-way delay: 32.476 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 29.11 Mbit/s  
95th percentile per-packet one-way delay: 32.518 ms  
Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

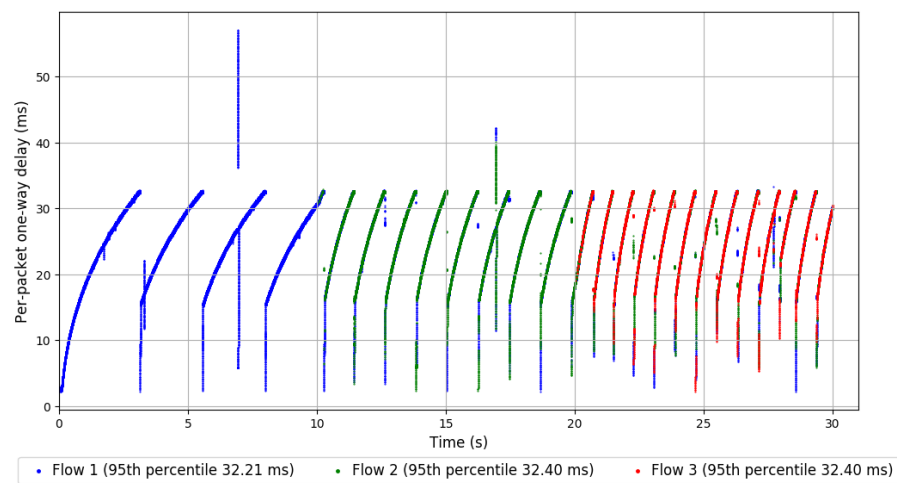
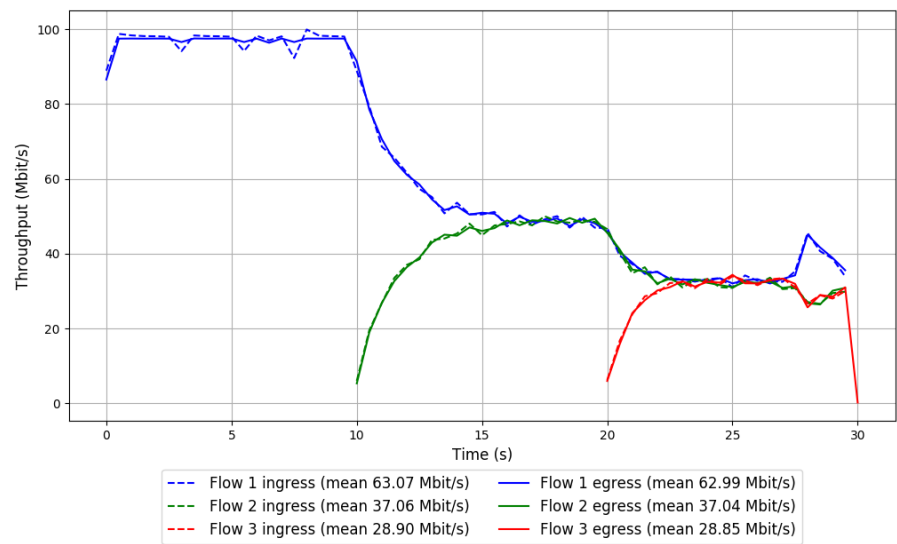


Run 7: Statistics of LEDBAT

Start at: 2018-01-26 15:34:04  
End at: 2018-01-26 15:34:34  
Local clock offset: 0.272 ms  
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2018-01-26 17:04:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.18 Mbit/s  
95th percentile per-packet one-way delay: 32.243 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.99 Mbit/s  
95th percentile per-packet one-way delay: 32.209 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 37.04 Mbit/s  
95th percentile per-packet one-way delay: 32.403 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 28.85 Mbit/s  
95th percentile per-packet one-way delay: 32.397 ms  
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link



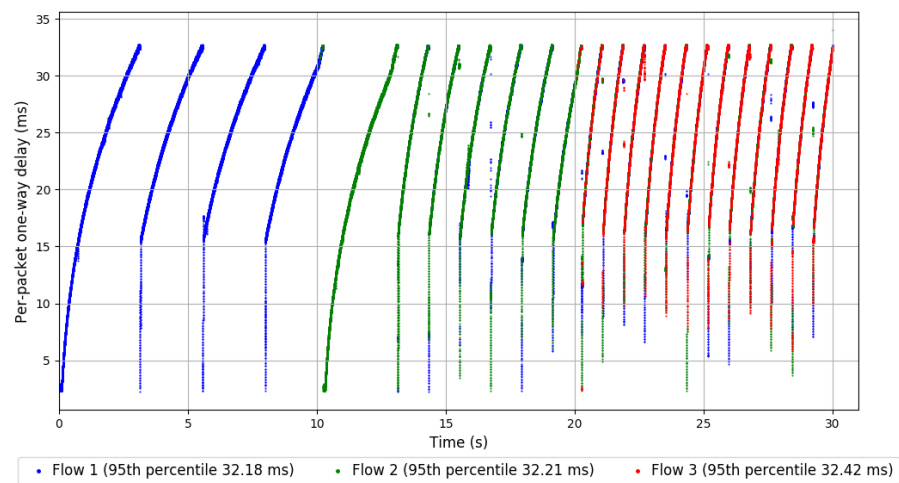
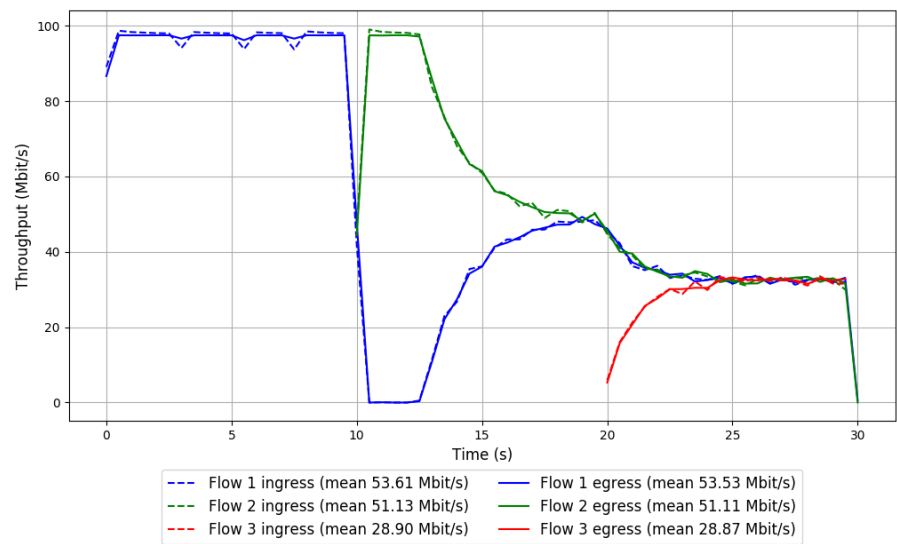
Run 8: Statistics of LEDBAT

Start at: 2018-01-26 15:52:17  
End at: 2018-01-26 15:52:47  
Local clock offset: 0.261 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-01-26 17:04:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 32.210 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 53.53 Mbit/s  
95th percentile per-packet one-way delay: 32.184 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 51.11 Mbit/s  
95th percentile per-packet one-way delay: 32.206 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 28.87 Mbit/s  
95th percentile per-packet one-way delay: 32.422 ms  
Loss rate: 0.08%



Run 8: Report of LEDBAT — Data Link

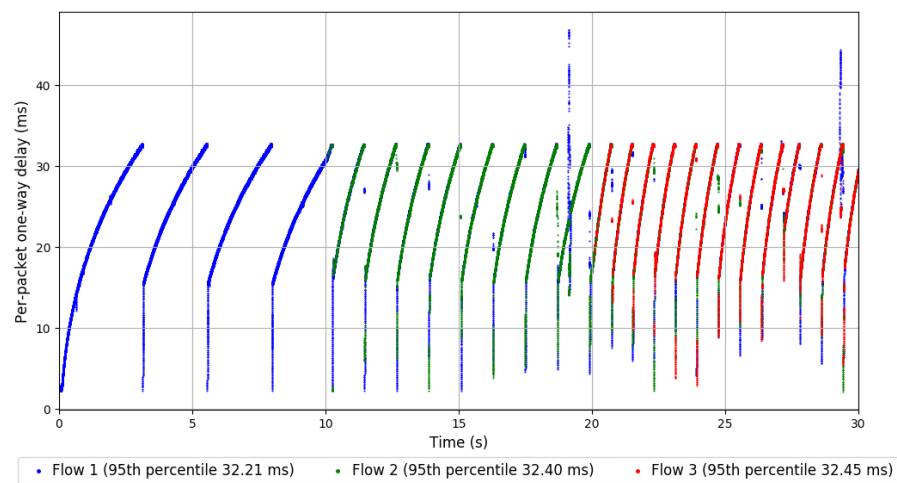
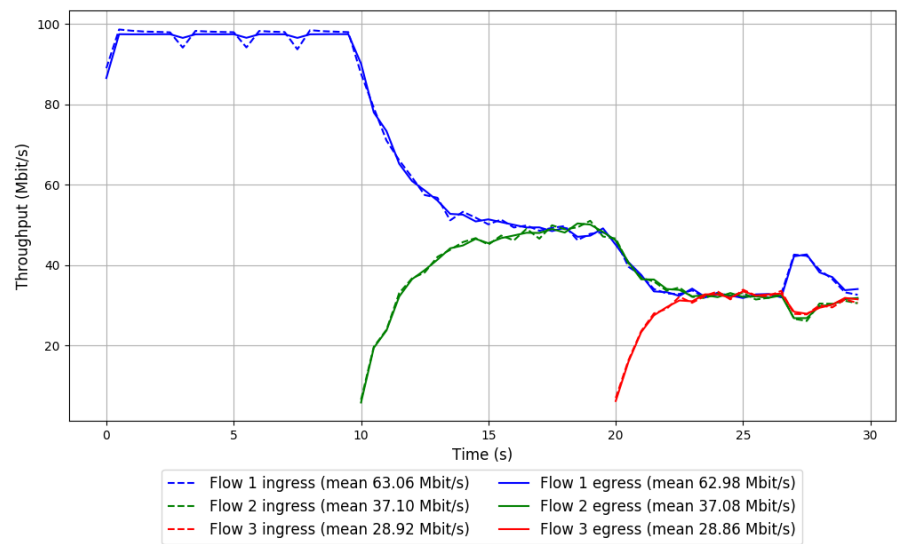


Run 9: Statistics of LEDBAT

Start at: 2018-01-26 16:10:31  
End at: 2018-01-26 16:11:01  
Local clock offset: 0.25 ms  
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-01-26 17:04:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.19 Mbit/s  
95th percentile per-packet one-way delay: 32.247 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 62.98 Mbit/s  
95th percentile per-packet one-way delay: 32.208 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 37.08 Mbit/s  
95th percentile per-packet one-way delay: 32.402 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 28.86 Mbit/s  
95th percentile per-packet one-way delay: 32.453 ms  
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

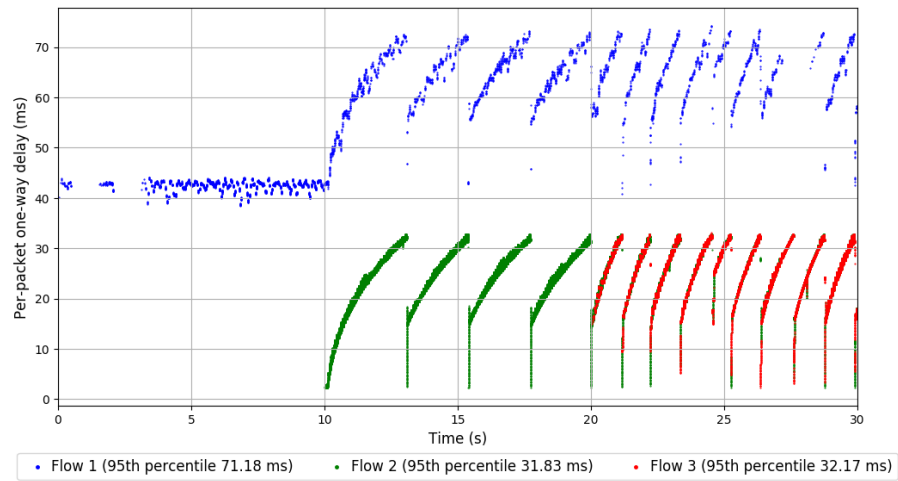
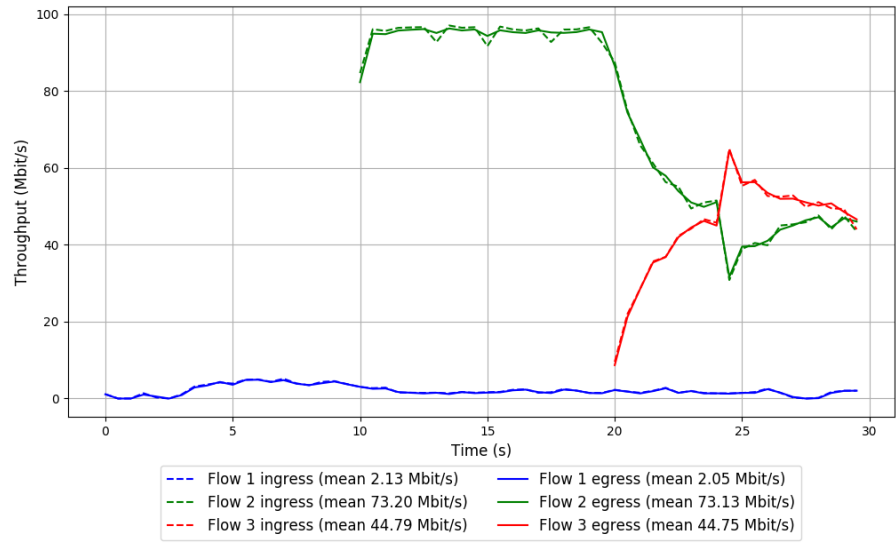


Run 10: Statistics of LEDBAT

Start at: 2018-01-26 16:28:46  
End at: 2018-01-26 16:29:16  
Local clock offset: 0.256 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-01-26 17:04:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.69 Mbit/s  
95th percentile per-packet one-way delay: 32.430 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 71.177 ms  
Loss rate: 3.72%  
-- Flow 2:  
Average throughput: 73.13 Mbit/s  
95th percentile per-packet one-way delay: 31.827 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 44.75 Mbit/s  
95th percentile per-packet one-way delay: 32.173 ms  
Loss rate: 0.04%

# Run 10: Report of LEDBAT — Data Link

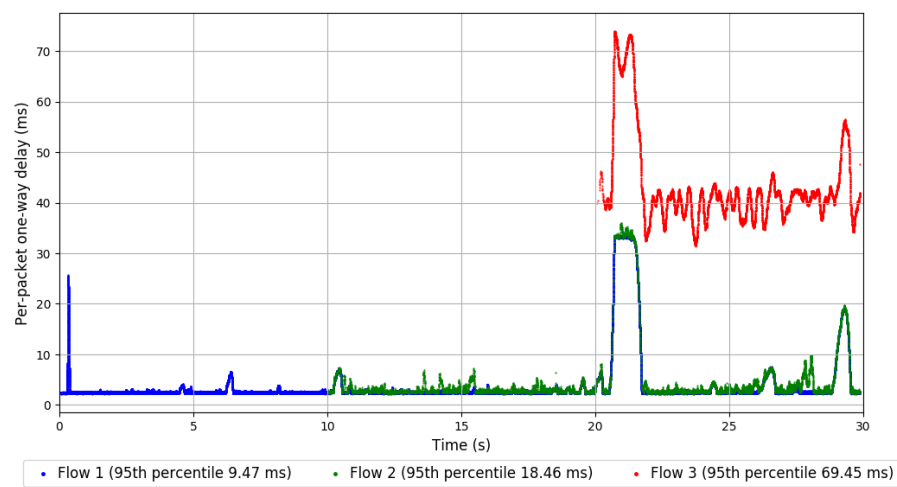
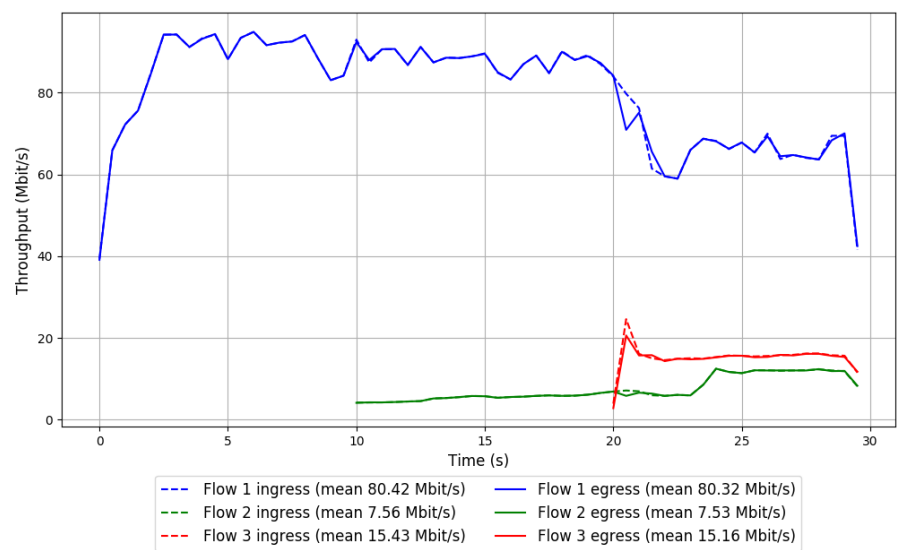


Run 1: Statistics of PCC

Start at: 2018-01-26 13:52:44  
End at: 2018-01-26 13:53:14  
Local clock offset: 0.173 ms  
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-01-26 17:04:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.29 Mbit/s  
95th percentile per-packet one-way delay: 36.598 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 80.32 Mbit/s  
95th percentile per-packet one-way delay: 9.473 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 7.53 Mbit/s  
95th percentile per-packet one-way delay: 18.460 ms  
Loss rate: 0.42%  
-- Flow 3:  
Average throughput: 15.16 Mbit/s  
95th percentile per-packet one-way delay: 69.454 ms  
Loss rate: 2.09%

Run 1: Report of PCC — Data Link



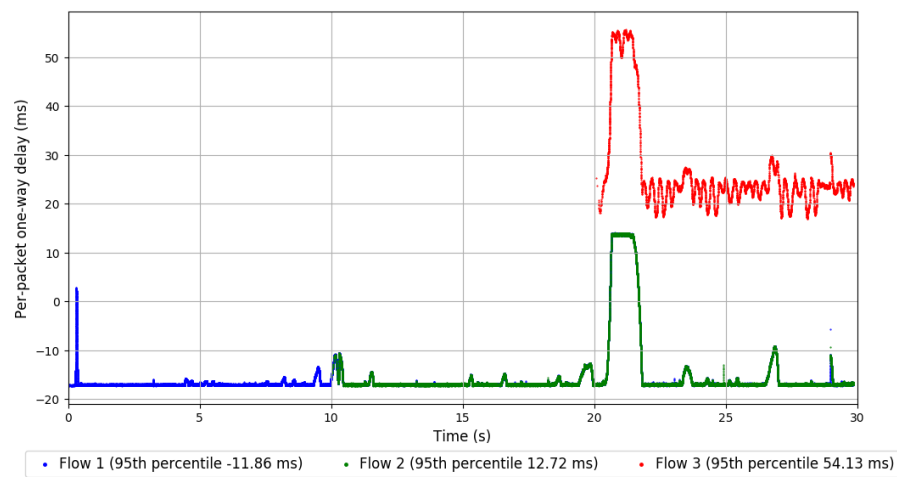
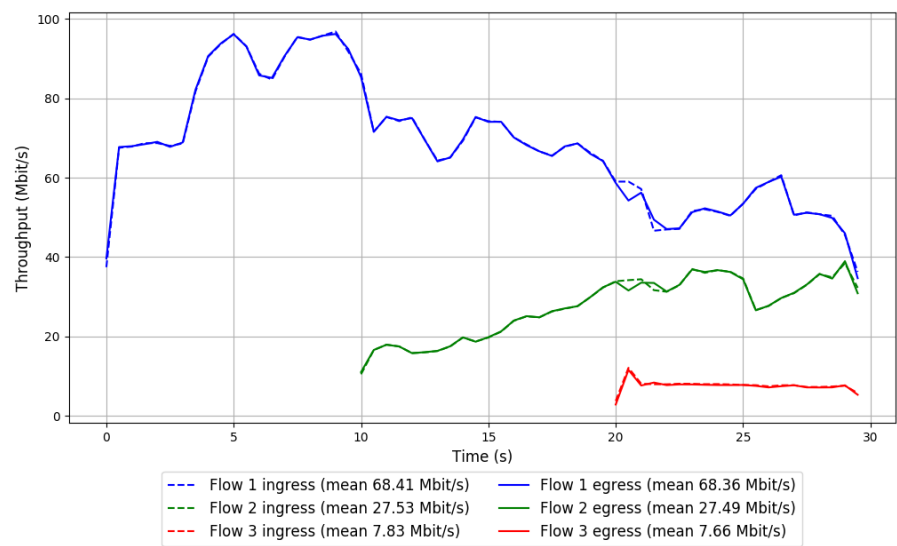
Run 2: Statistics of PCC

Start at: 2018-01-26 14:10:56  
End at: 2018-01-26 14:11:26  
Local clock offset: 0.196 ms  
Remote clock offset: -19.618 ms

# Below is generated by plot.py at 2018-01-26 17:04:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.15 Mbit/s  
95th percentile per-packet one-way delay: 13.630 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 68.36 Mbit/s  
95th percentile per-packet one-way delay: -11.859 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 27.49 Mbit/s  
95th percentile per-packet one-way delay: 12.718 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 7.66 Mbit/s  
95th percentile per-packet one-way delay: 54.133 ms  
Loss rate: 2.60%



Run 2: Report of PCC — Data Link

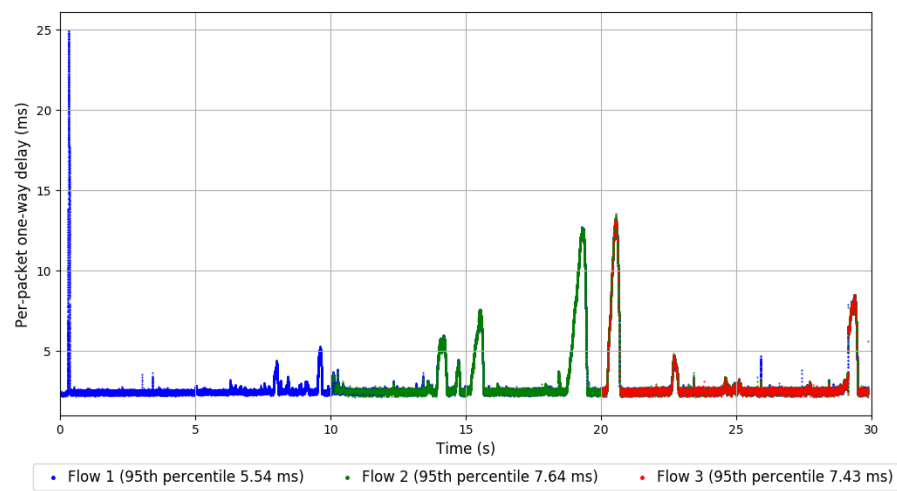
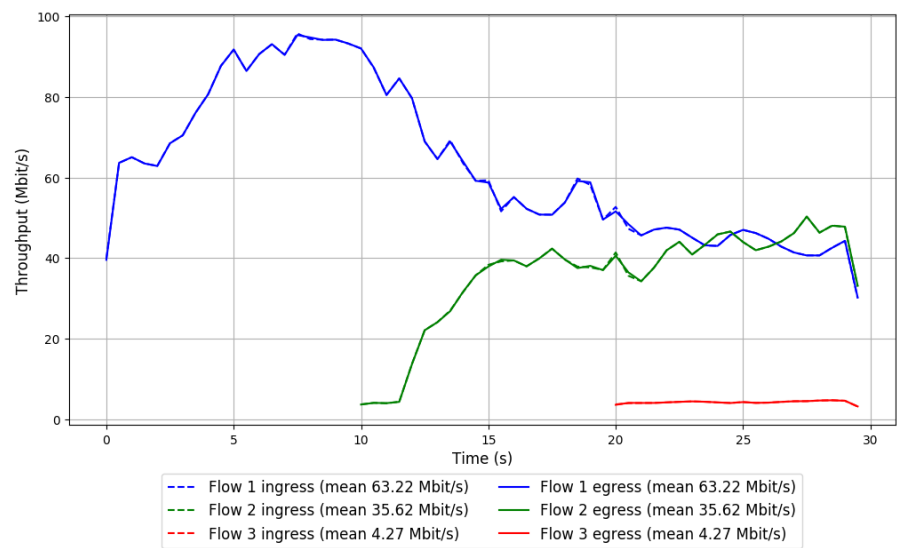


Run 3: Statistics of PCC

Start at: 2018-01-26 14:29:08  
End at: 2018-01-26 14:29:38  
Local clock offset: 0.256 ms  
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-01-26 17:04:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.30 Mbit/s  
95th percentile per-packet one-way delay: 6.352 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 63.22 Mbit/s  
95th percentile per-packet one-way delay: 5.540 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 35.62 Mbit/s  
95th percentile per-packet one-way delay: 7.643 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 4.27 Mbit/s  
95th percentile per-packet one-way delay: 7.435 ms  
Loss rate: 0.00%

Run 3: Report of PCC — Data Link

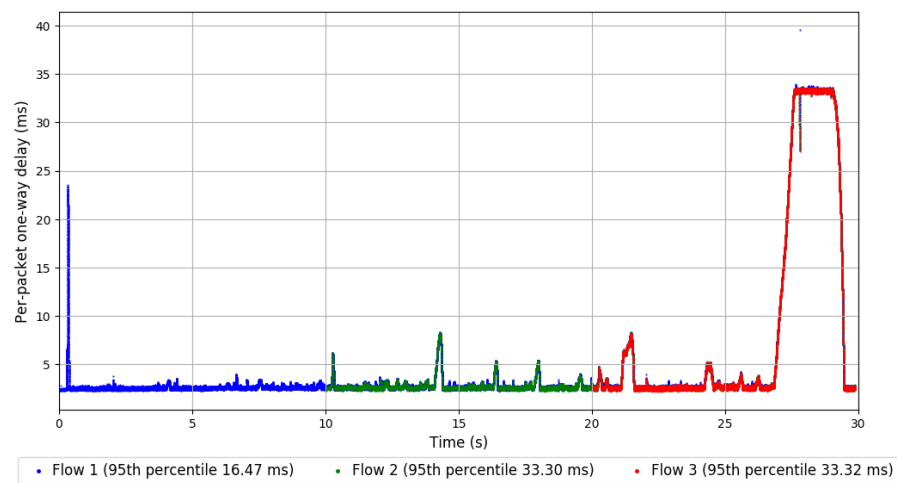
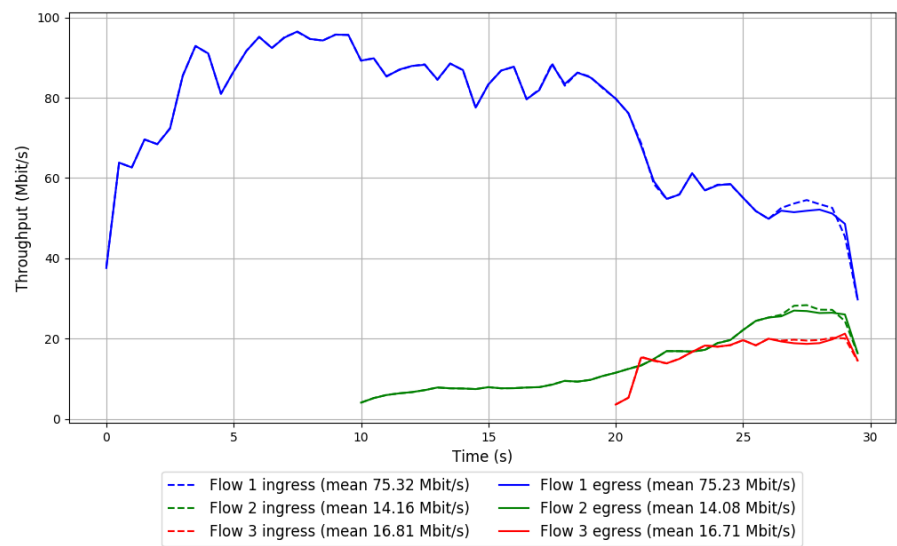


Run 4: Statistics of PCC

Start at: 2018-01-26 14:47:20  
End at: 2018-01-26 14:47:50  
Local clock offset: 0.19 ms  
Remote clock offset: -0.183 ms

# Below is generated by plot.py at 2018-01-26 17:04:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.09 Mbit/s  
95th percentile per-packet one-way delay: 33.096 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 75.23 Mbit/s  
95th percentile per-packet one-way delay: 16.470 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 14.08 Mbit/s  
95th percentile per-packet one-way delay: 33.303 ms  
Loss rate: 0.53%  
-- Flow 3:  
Average throughput: 16.71 Mbit/s  
95th percentile per-packet one-way delay: 33.323 ms  
Loss rate: 0.57%

Run 4: Report of PCC — Data Link

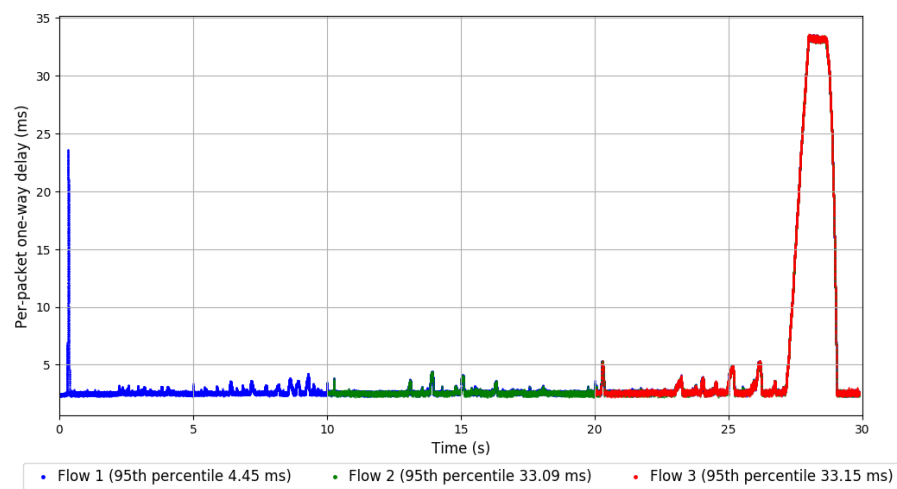
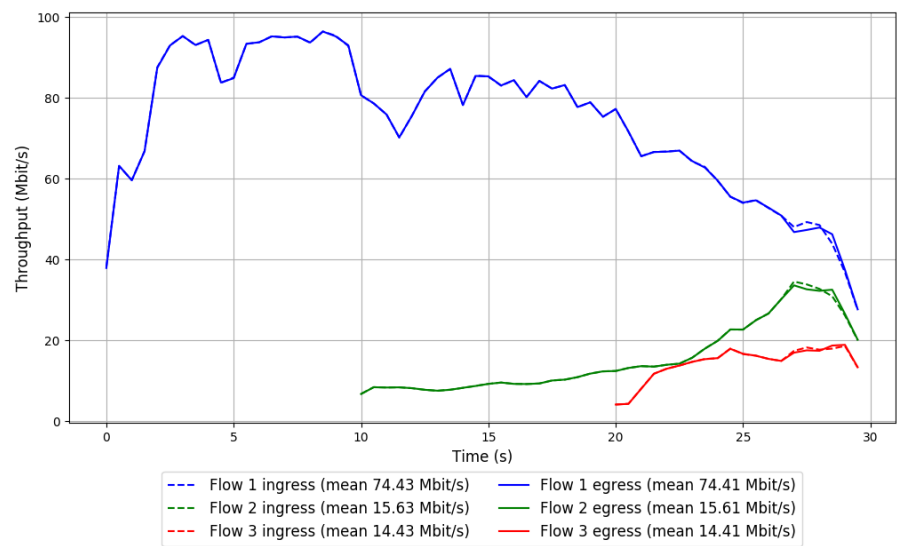


Run 5: Statistics of PCC

Start at: 2018-01-26 15:05:34  
End at: 2018-01-26 15:06:04  
Local clock offset: 0.199 ms  
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-01-26 17:05:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.55 Mbit/s  
95th percentile per-packet one-way delay: 18.482 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 74.41 Mbit/s  
95th percentile per-packet one-way delay: 4.454 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 15.61 Mbit/s  
95th percentile per-packet one-way delay: 33.095 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 14.41 Mbit/s  
95th percentile per-packet one-way delay: 33.151 ms  
Loss rate: 0.15%

Run 5: Report of PCC — Data Link



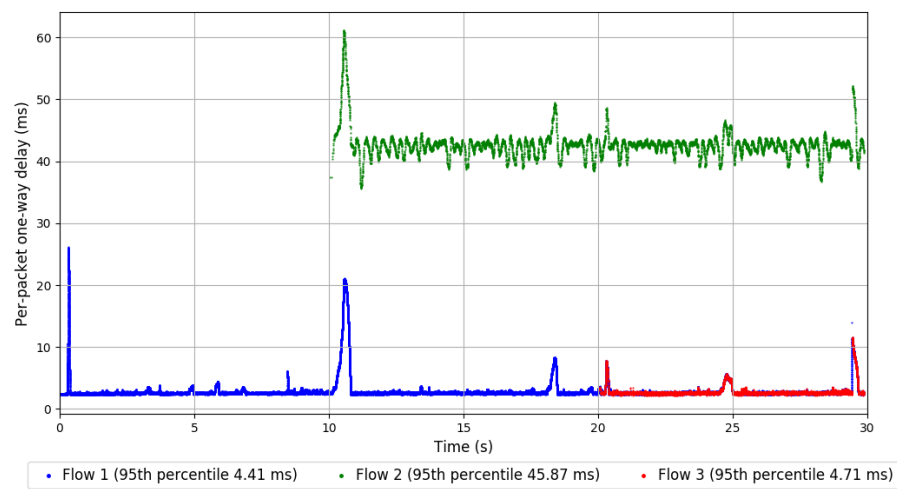
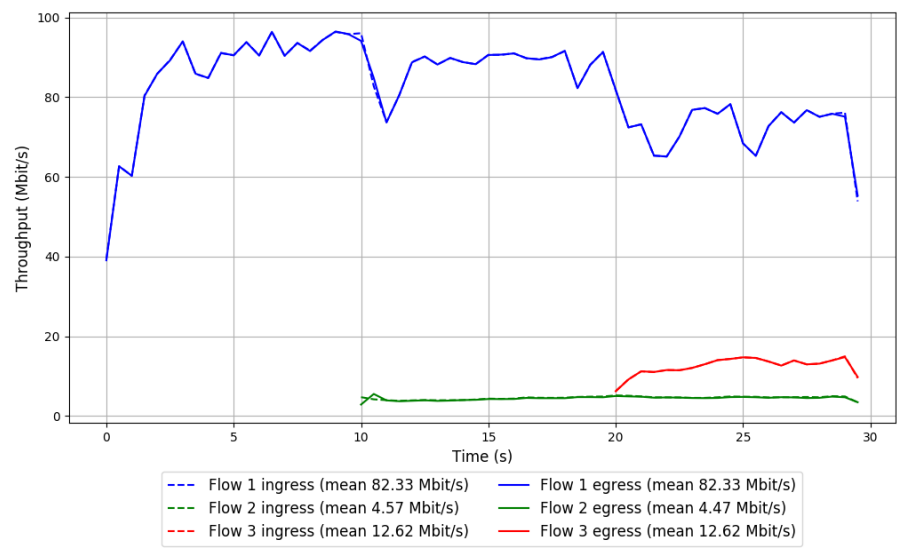
Run 6: Statistics of PCC

Start at: 2018-01-26 15:23:47  
End at: 2018-01-26 15:24:17  
Local clock offset: 0.279 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-01-26 17:05:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.46 Mbit/s  
95th percentile per-packet one-way delay: 10.976 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 82.33 Mbit/s  
95th percentile per-packet one-way delay: 4.412 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 4.47 Mbit/s  
95th percentile per-packet one-way delay: 45.873 ms  
Loss rate: 2.29%  
-- Flow 3:  
Average throughput: 12.62 Mbit/s  
95th percentile per-packet one-way delay: 4.715 ms  
Loss rate: 0.00%



Run 6: Report of PCC — Data Link

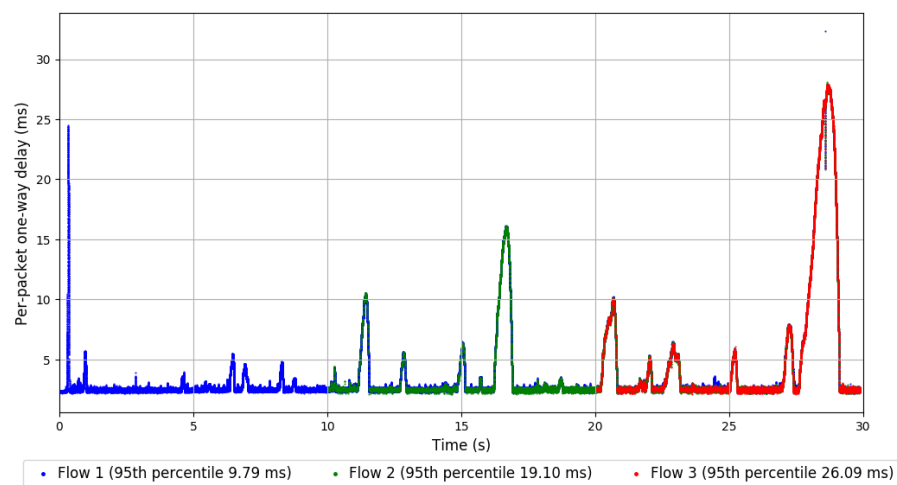
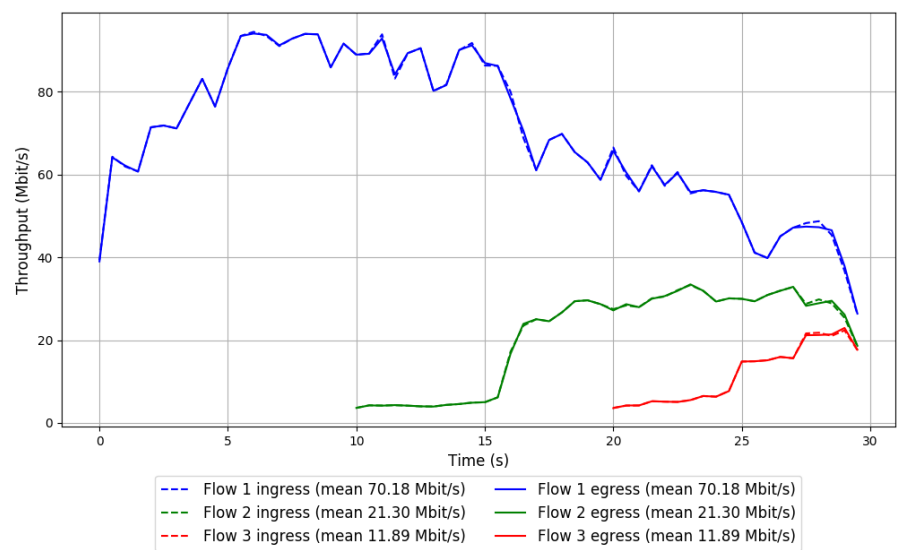


Run 7: Statistics of PCC

Start at: 2018-01-26 15:41:59  
End at: 2018-01-26 15:42:29  
Local clock offset: 0.25 ms  
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-01-26 17:05:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.25 Mbit/s  
95th percentile per-packet one-way delay: 12.700 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.18 Mbit/s  
95th percentile per-packet one-way delay: 9.794 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 21.30 Mbit/s  
95th percentile per-packet one-way delay: 19.098 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 11.89 Mbit/s  
95th percentile per-packet one-way delay: 26.095 ms  
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

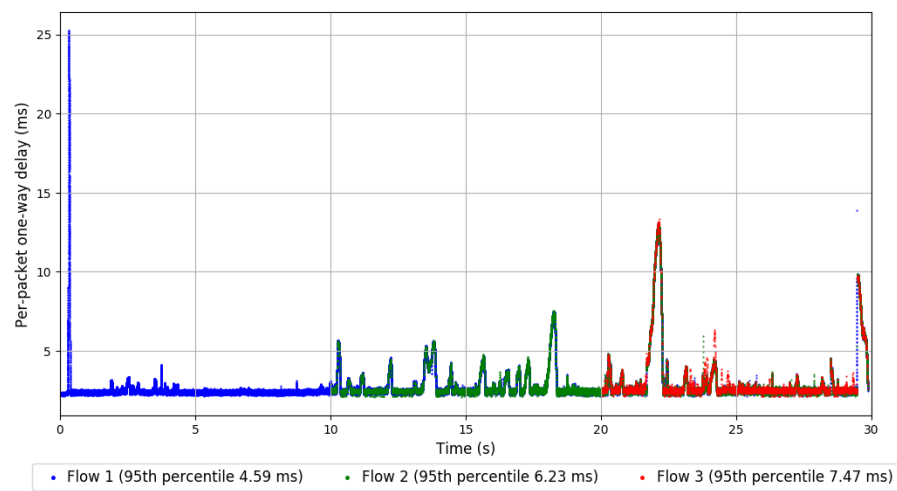
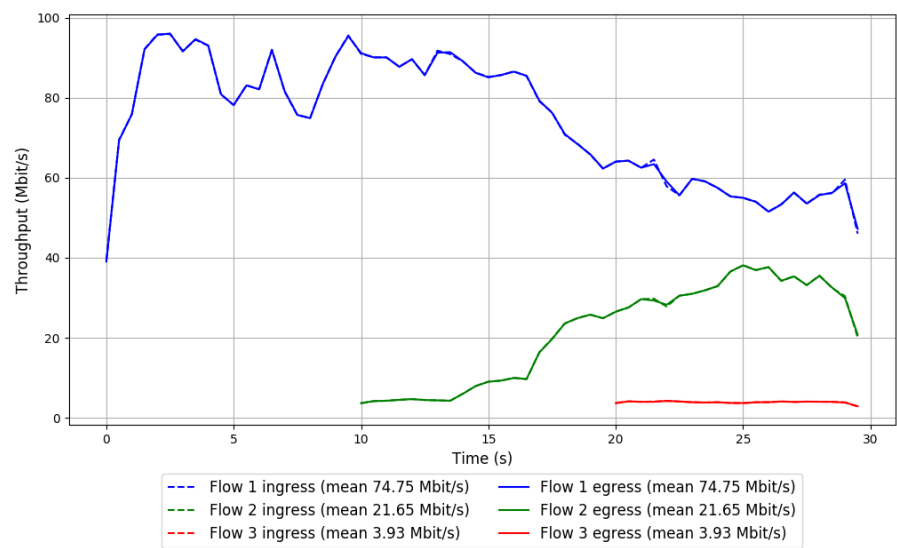


Run 8: Statistics of PCC

Start at: 2018-01-26 16:00:13  
End at: 2018-01-26 16:00:43  
Local clock offset: 0.278 ms  
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-01-26 17:05:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.43 Mbit/s  
95th percentile per-packet one-way delay: 4.956 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 74.75 Mbit/s  
95th percentile per-packet one-way delay: 4.589 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 21.65 Mbit/s  
95th percentile per-packet one-way delay: 6.234 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 3.93 Mbit/s  
95th percentile per-packet one-way delay: 7.474 ms  
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

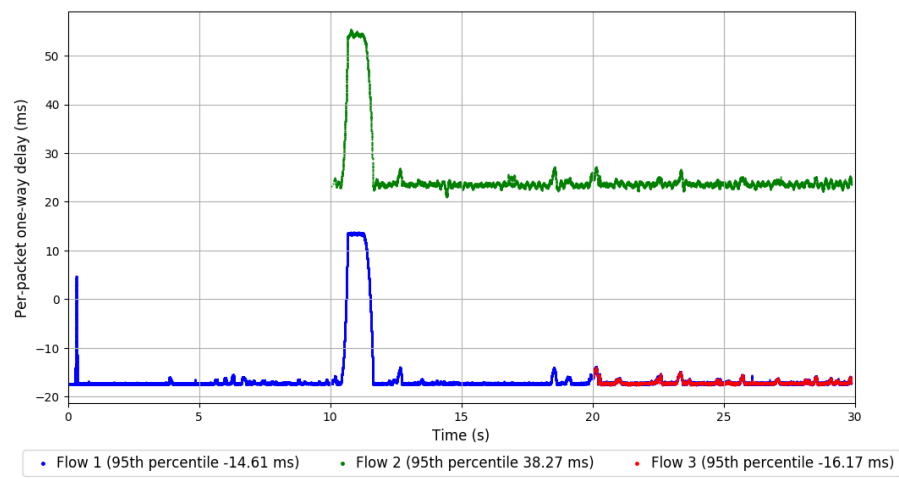
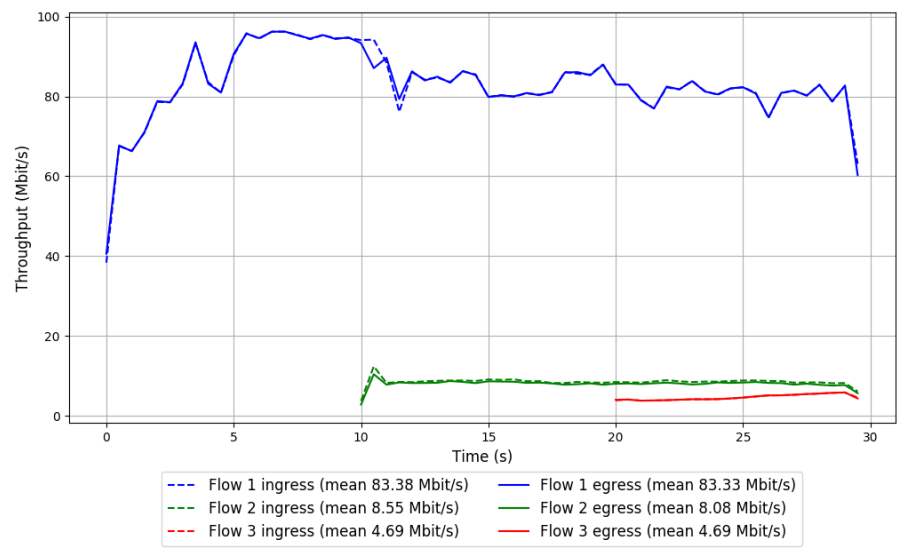


Run 9: Statistics of PCC

Start at: 2018-01-26 16:18:29  
End at: 2018-01-26 16:18:59  
Local clock offset: 0.17 ms  
Remote clock offset: -19.864 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.23 Mbit/s  
95th percentile per-packet one-way delay: 23.235 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 83.33 Mbit/s  
95th percentile per-packet one-way delay: -14.607 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 8.08 Mbit/s  
95th percentile per-packet one-way delay: 38.265 ms  
Loss rate: 5.62%  
-- Flow 3:  
Average throughput: 4.69 Mbit/s  
95th percentile per-packet one-way delay: -16.167 ms  
Loss rate: 0.00%

Run 9: Report of PCC — Data Link



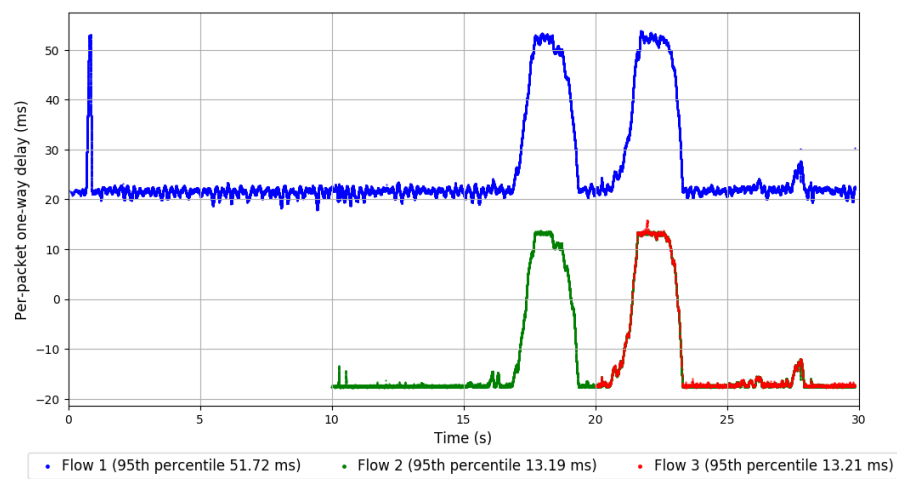
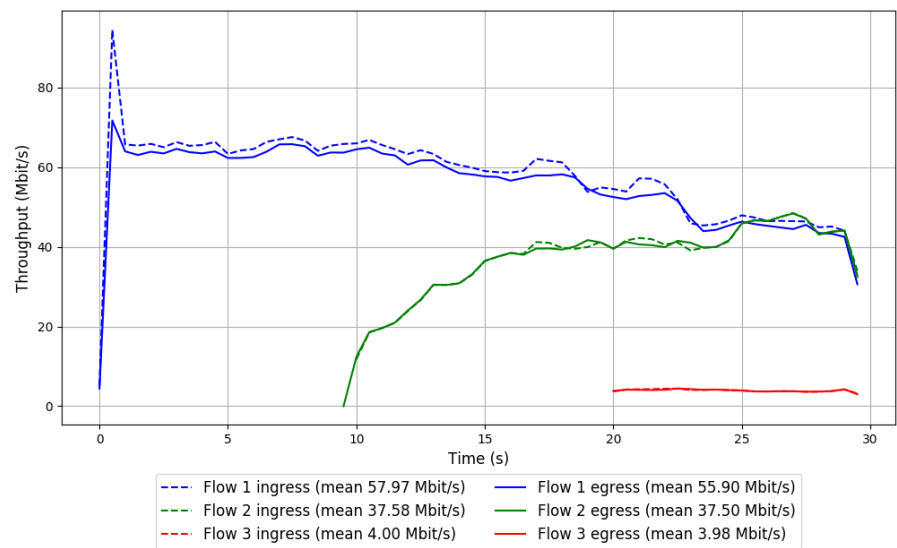
Run 10: Statistics of PCC

Start at: 2018-01-26 16:36:42  
End at: 2018-01-26 16:37:12  
Local clock offset: 0.206 ms  
Remote clock offset: -20.071 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.17 Mbit/s  
95th percentile per-packet one-way delay: 49.641 ms  
Loss rate: 2.60%  
-- Flow 1:  
Average throughput: 55.90 Mbit/s  
95th percentile per-packet one-way delay: 51.718 ms  
Loss rate: 3.67%  
-- Flow 2:  
Average throughput: 37.50 Mbit/s  
95th percentile per-packet one-way delay: 13.185 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 3.98 Mbit/s  
95th percentile per-packet one-way delay: 13.215 ms  
Loss rate: 0.54%



Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

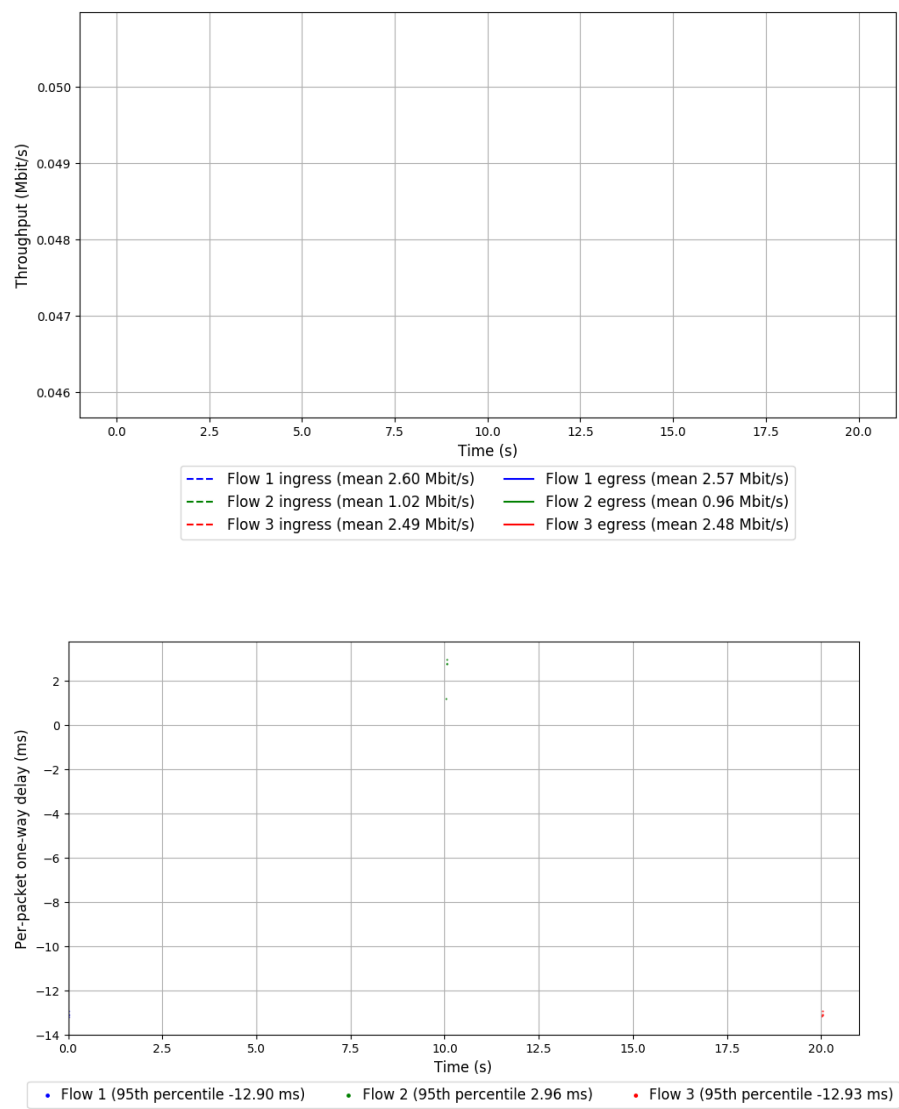
Start at: 2018-01-26 13:47:00

End at: 2018-01-26 13:47:30

Local clock offset: 0.175 ms

Remote clock offset: -15.445 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

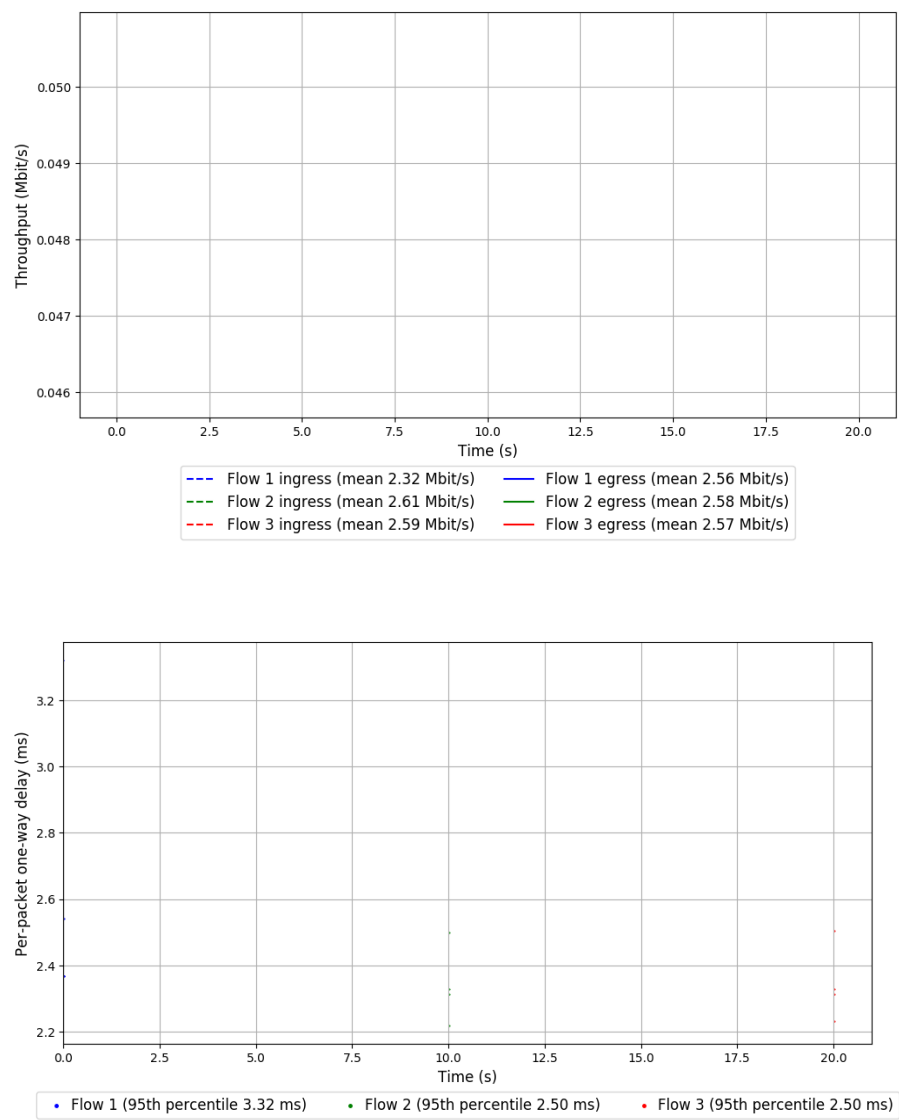
Start at: 2018-01-26 14:05:14

End at: 2018-01-26 14:05:44

Local clock offset: 0.196 ms

Remote clock offset: -0.101 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

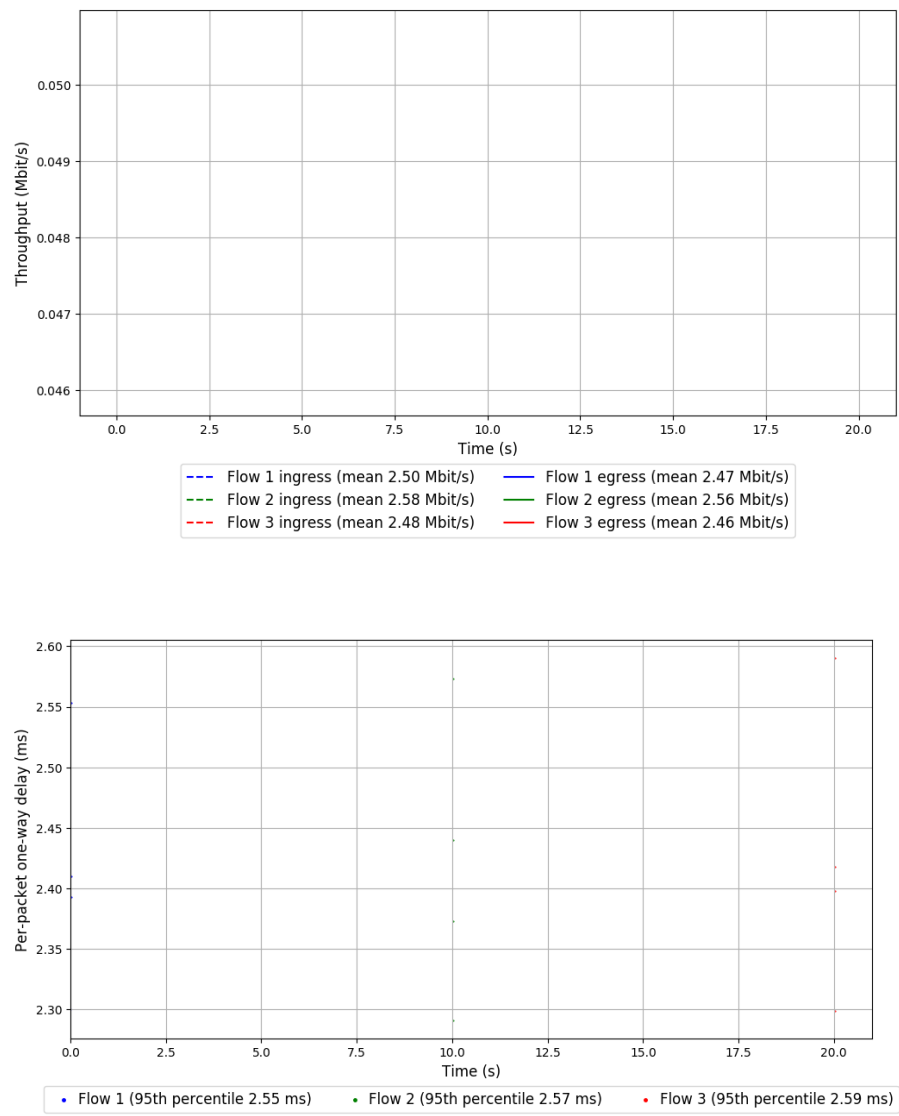
Start at: 2018-01-26 14:23:25

End at: 2018-01-26 14:23:55

Local clock offset: 0.168 ms

Remote clock offset: -0.198 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-01-26 14:41:37

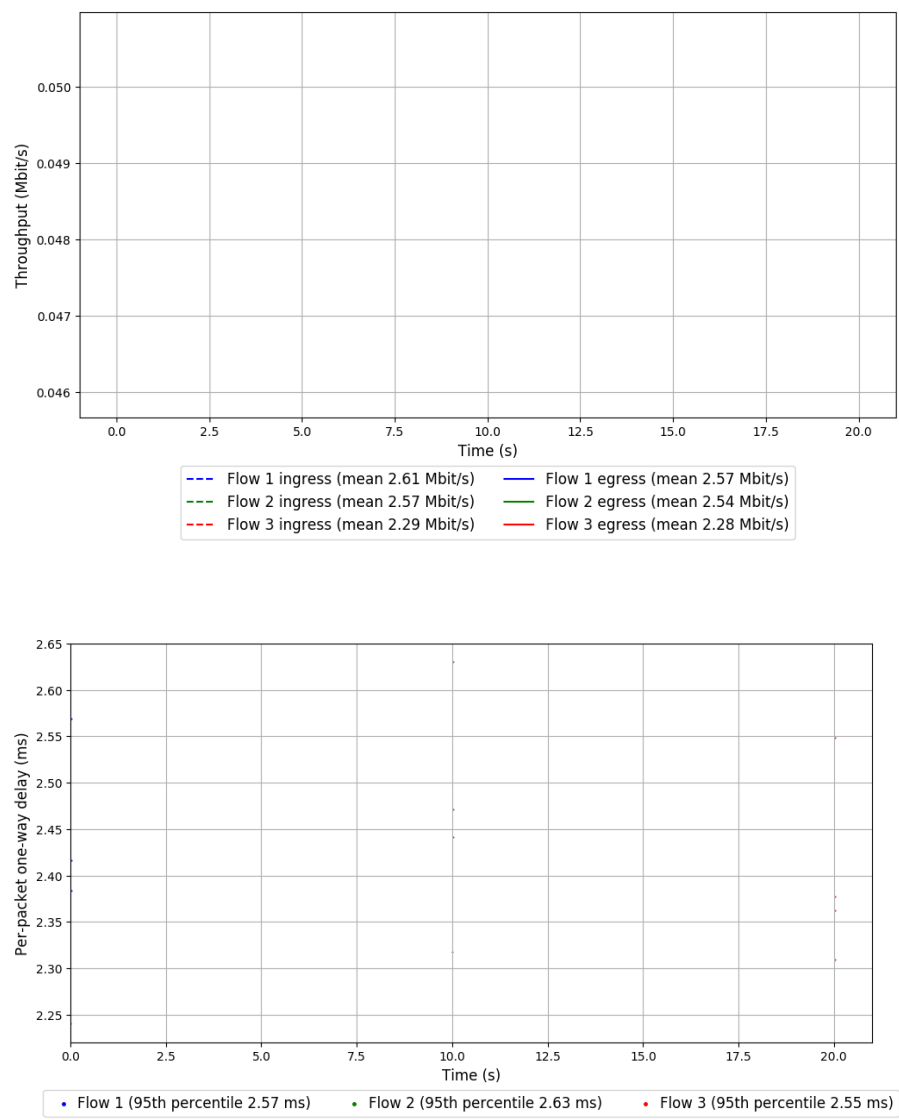
End at: 2018-01-26 14:42:07

Local clock offset: 0.188 ms

Remote clock offset: -0.195 ms



Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

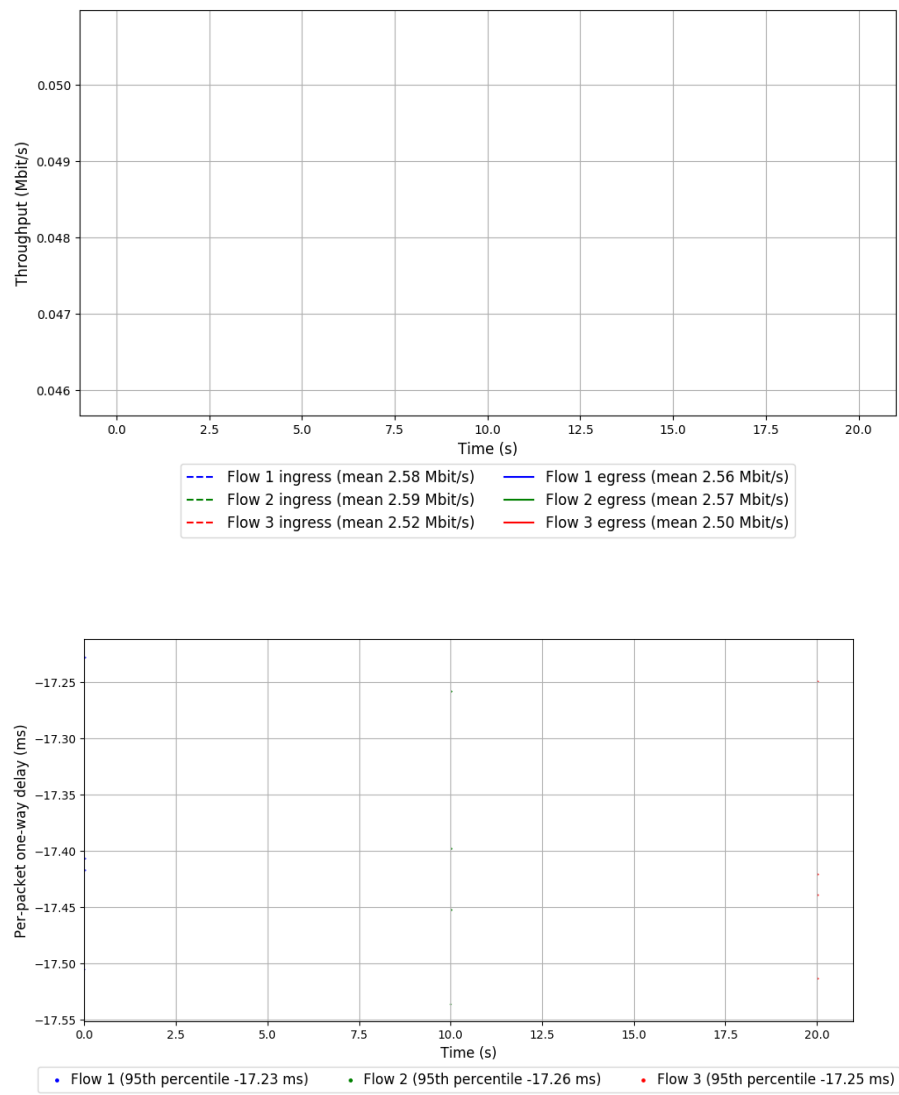
Start at: 2018-01-26 14:59:52

End at: 2018-01-26 15:00:22

Local clock offset: 0.205 ms

Remote clock offset: -19.942 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

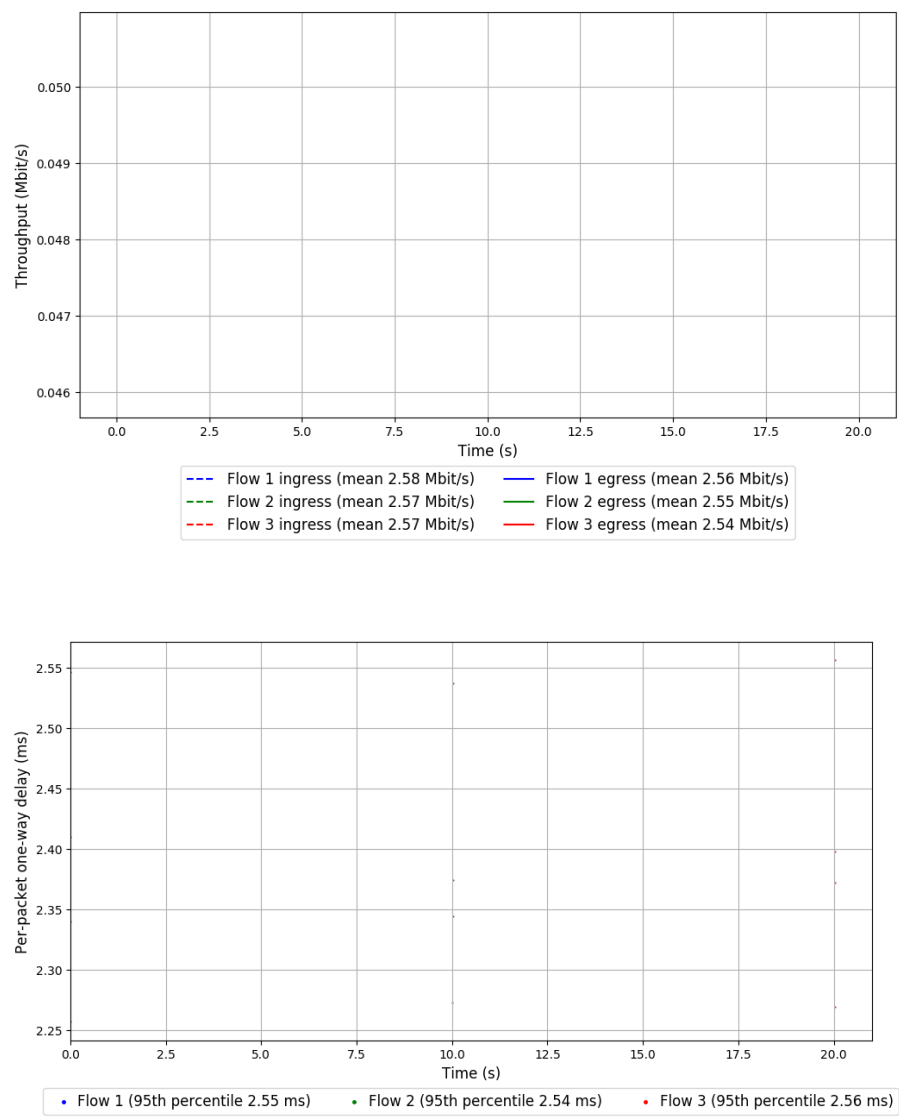
Start at: 2018-01-26 15:18:05

End at: 2018-01-26 15:18:35

Local clock offset: 0.213 ms

Remote clock offset: -0.106 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

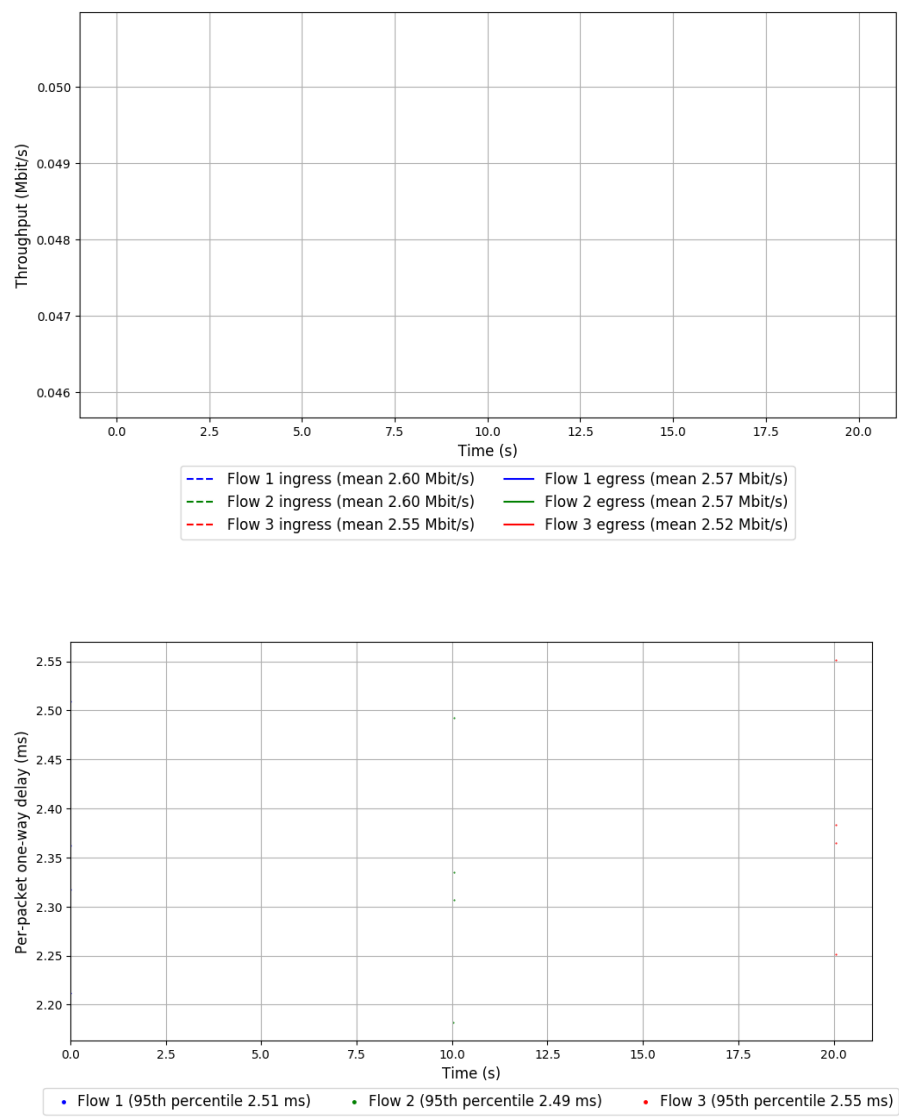
Start at: 2018-01-26 15:36:18

End at: 2018-01-26 15:36:48

Local clock offset: 0.263 ms

Remote clock offset: -0.08 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-01-26 15:54:31

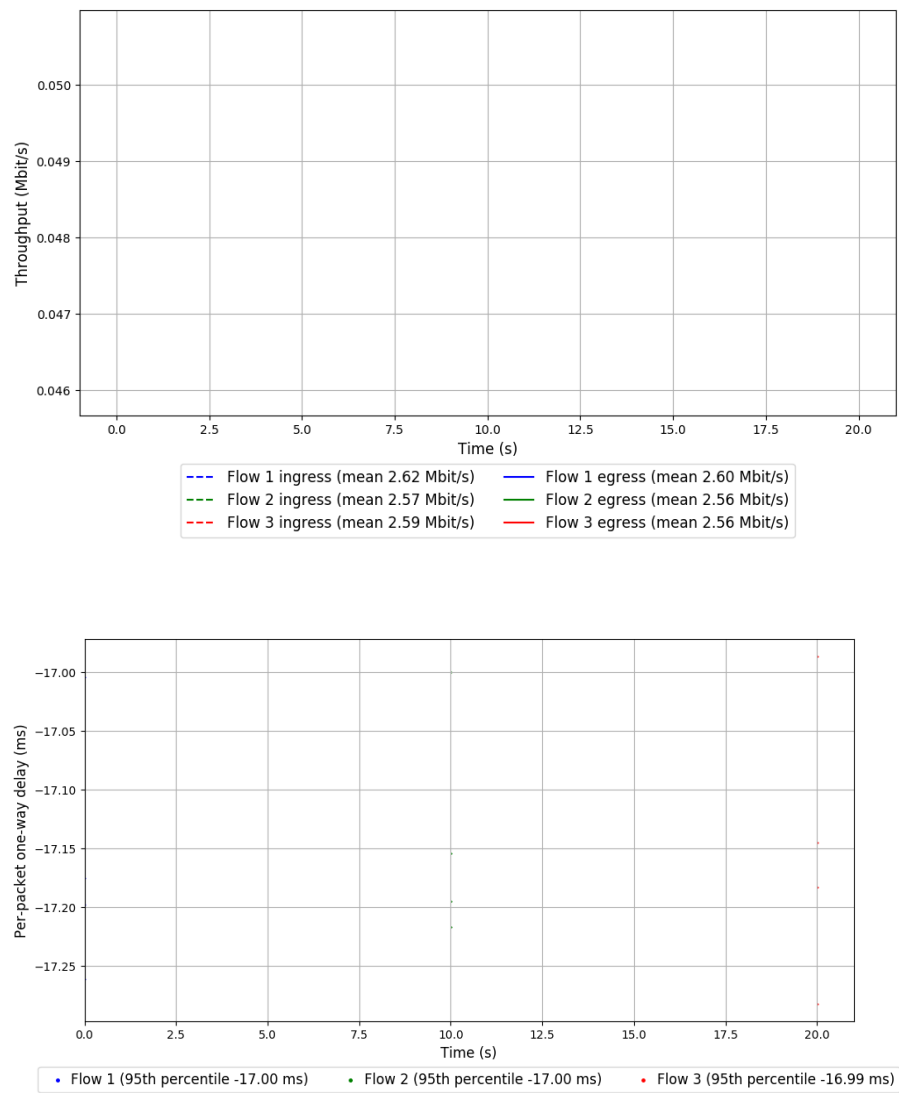
End at: 2018-01-26 15:55:01

Local clock offset: 0.264 ms

Remote clock offset: -19.511 ms



Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

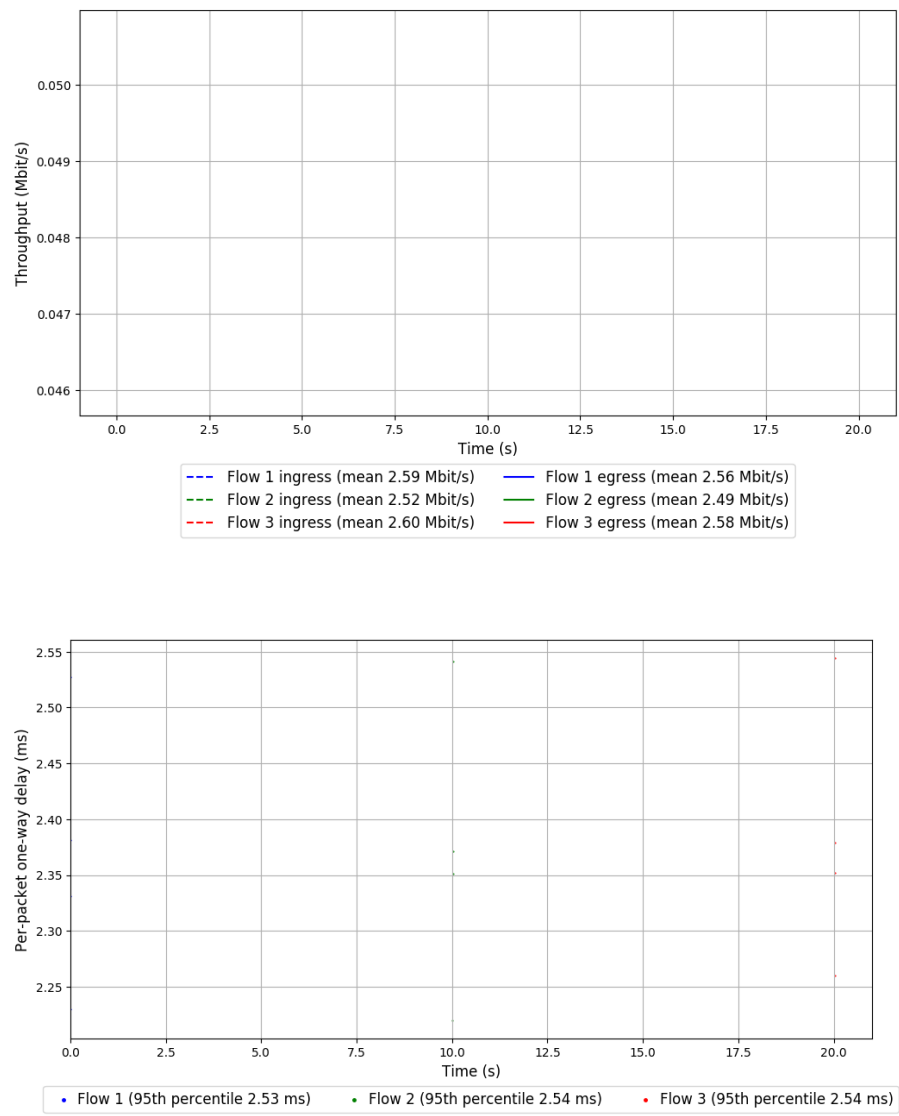
Start at: 2018-01-26 16:12:45

End at: 2018-01-26 16:13:16

Local clock offset: 0.243 ms

Remote clock offset: -0.013 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

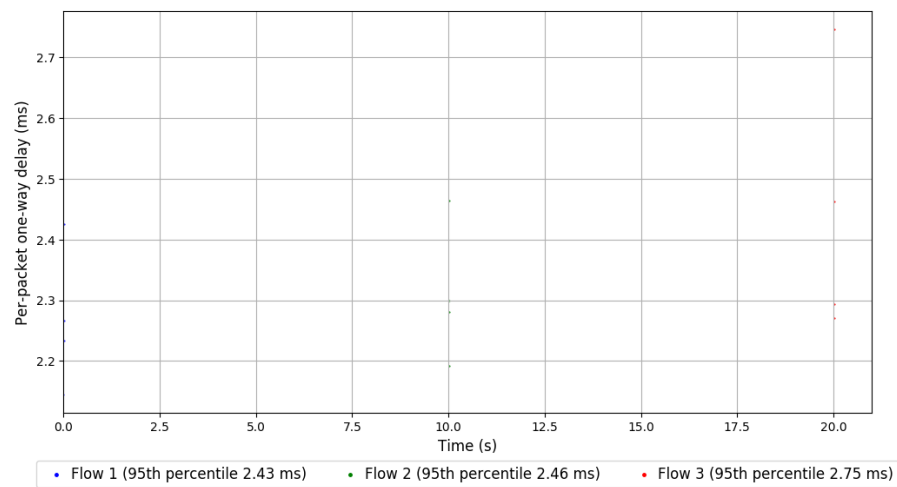
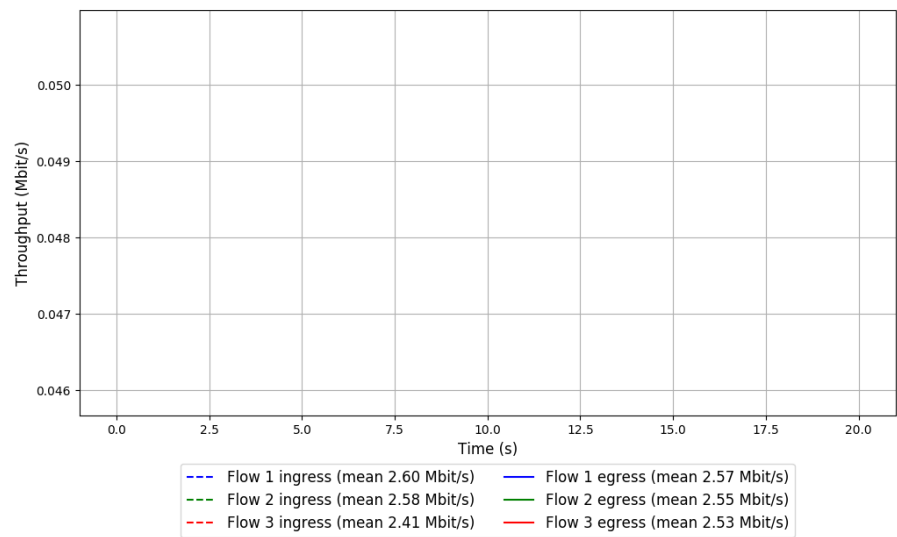
Start at: 2018-01-26 16:30:59

End at: 2018-01-26 16:31:29

Local clock offset: 0.259 ms

Remote clock offset: -0.083 ms

Run 10: Report of QUIC Cubic — Data Link

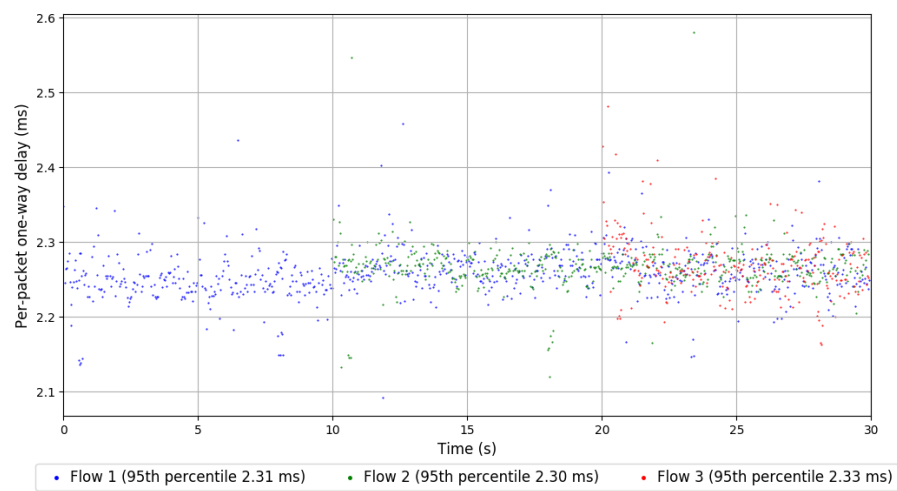
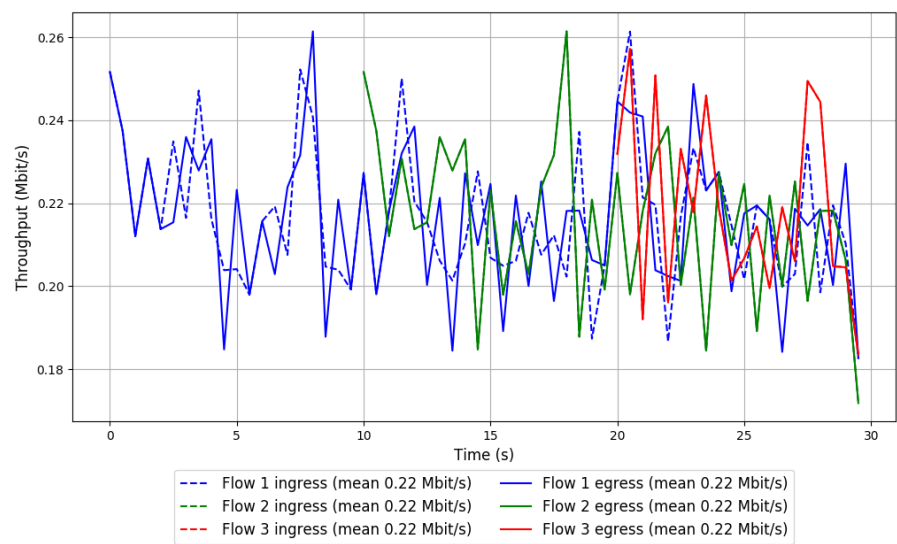


```
Run 1: Statistics of SReAM

Start at: 2018-01-26 13:37:55
End at: 2018-01-26 13:38:25
Local clock offset: 0.164 ms
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-01-26 17:05:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



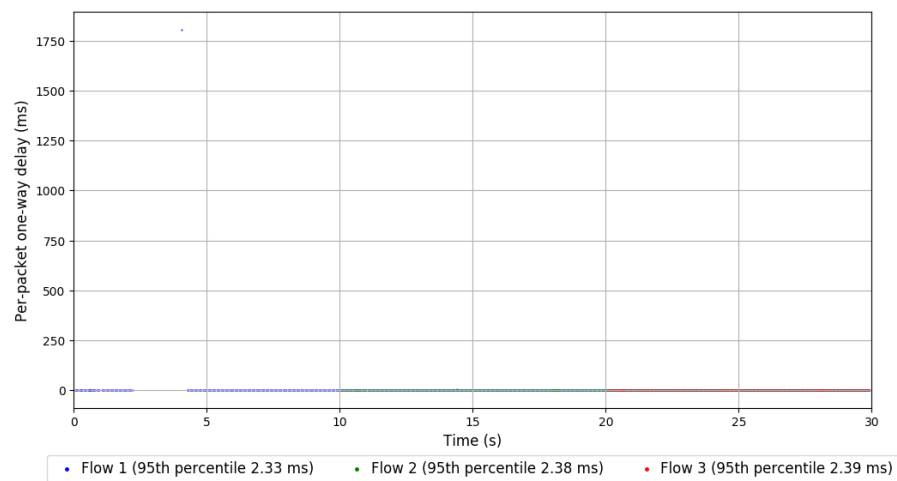
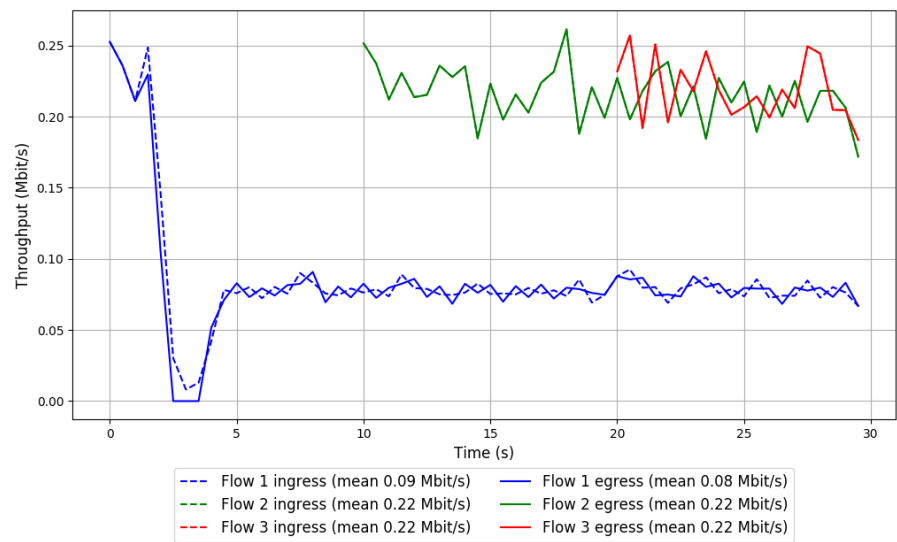
Run 2: Statistics of SReAM

Start at: 2018-01-26 13:56:10  
End at: 2018-01-26 13:56:40  
Local clock offset: 0.175 ms  
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.30 Mbit/s  
95th percentile per-packet one-way delay: 2.376 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 0.08 Mbit/s  
95th percentile per-packet one-way delay: 2.332 ms  
Loss rate: 1.97%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.385 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.393 ms  
Loss rate: 0.00%



Run 2: Report of SReAM — Data Link

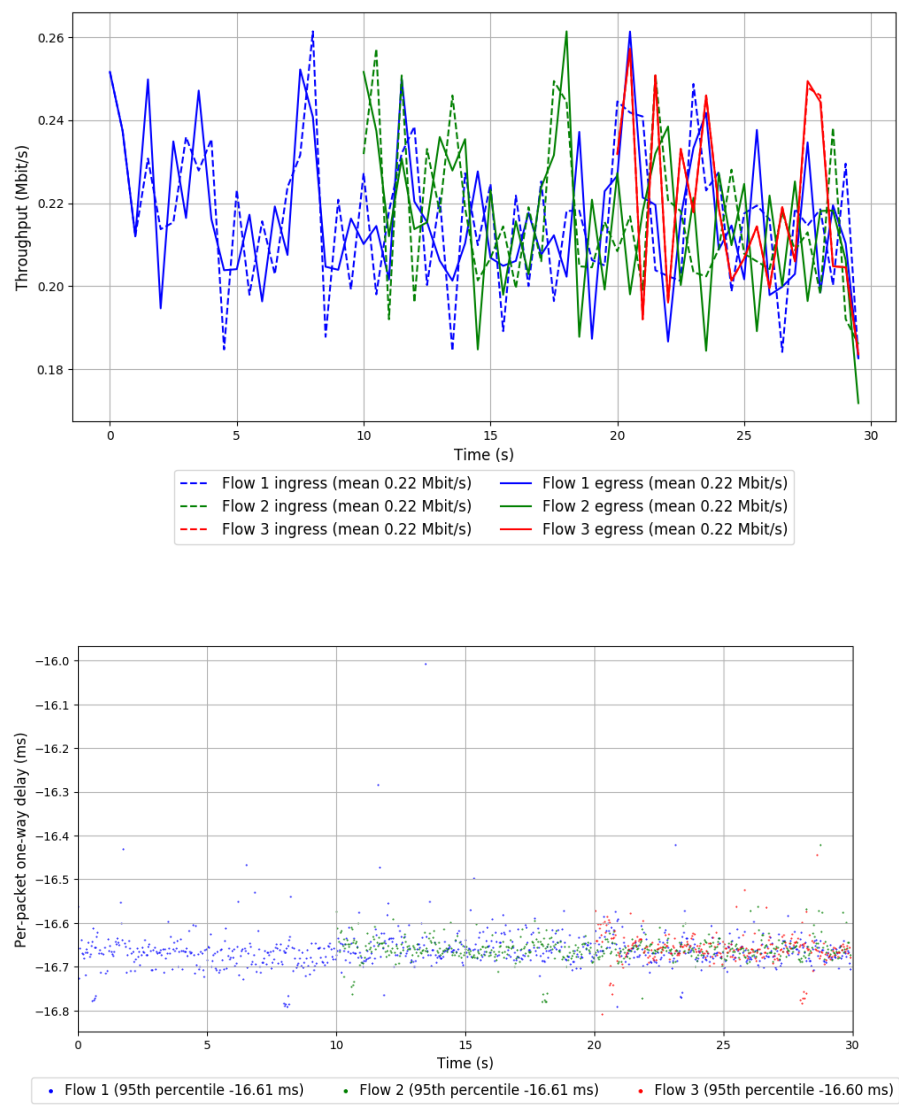


Run 3: Statistics of SReAM

Start at: 2018-01-26 14:14:23  
End at: 2018-01-26 14:14:53  
Local clock offset: 0.154 ms  
Remote clock offset: -19.227 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: -16.609 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: -16.606 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: -16.615 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: -16.600 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-01-26 14:32:34

End at: 2018-01-26 14:33:04

Local clock offset: 0.182 ms

Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2018-01-26 17:05:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 42.838 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.474 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.439 ms

Loss rate: 0.00%

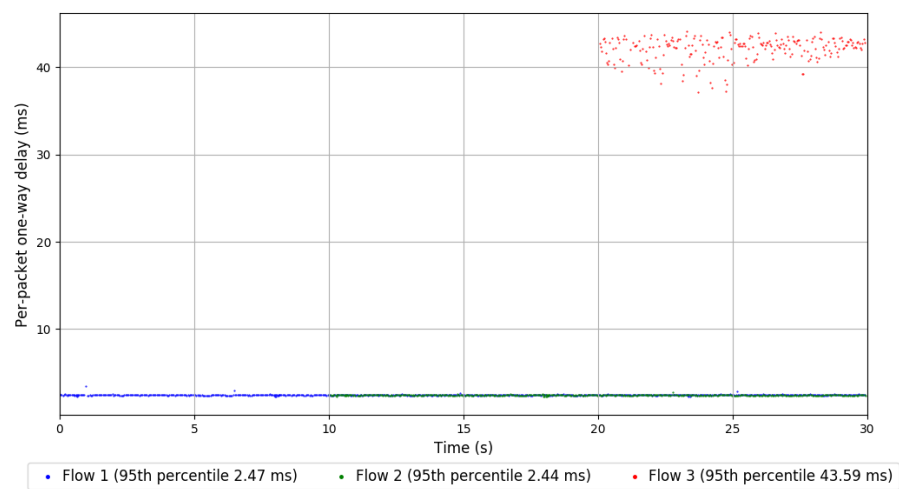
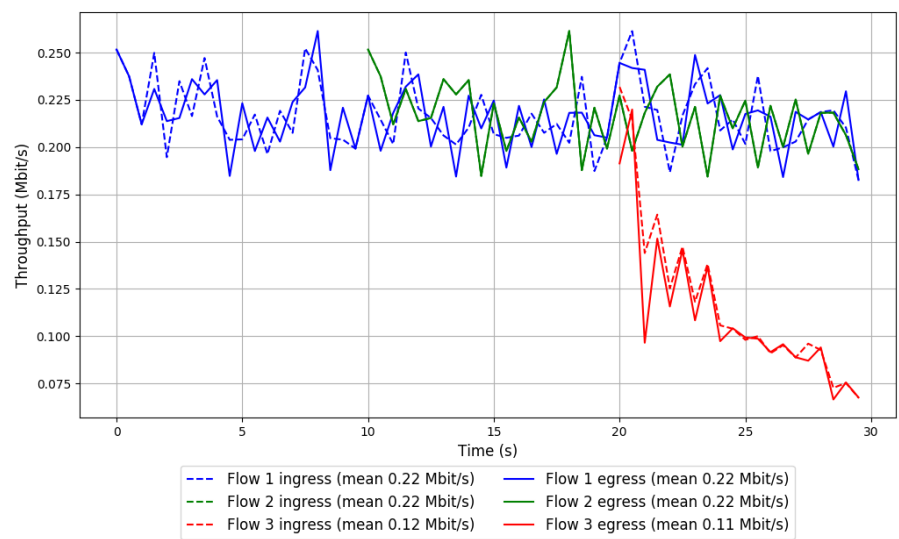
-- Flow 3:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 43.585 ms

Loss rate: 5.83%

Run 4: Report of SReAM — Data Link

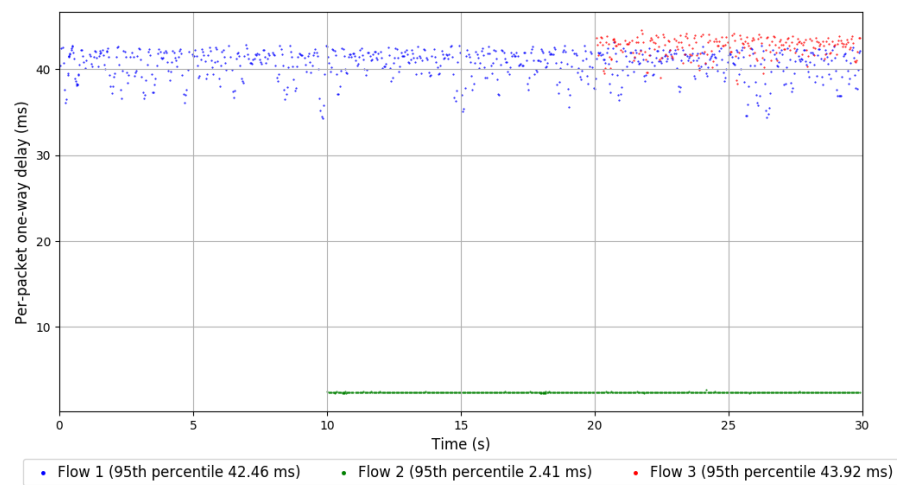
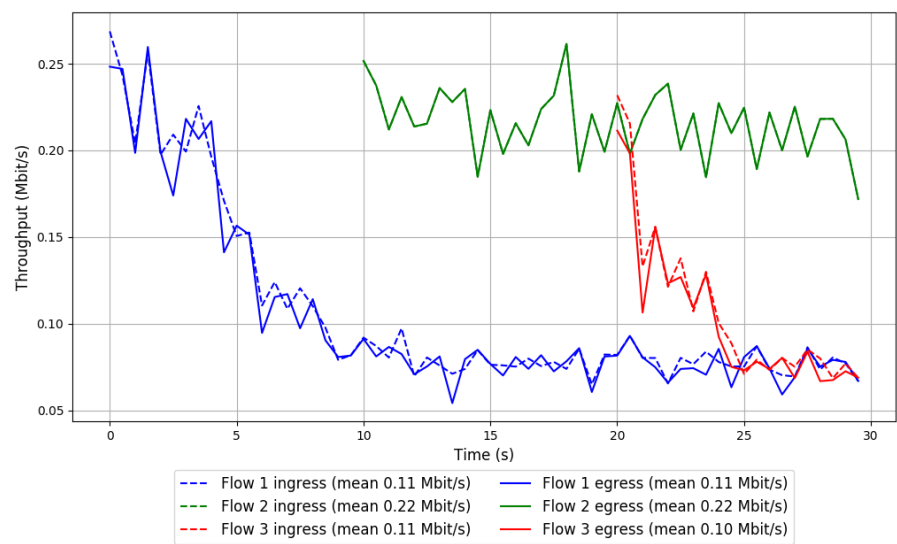


Run 5: Statistics of SReAM

Start at: 2018-01-26 14:50:47  
End at: 2018-01-26 14:51:17  
Local clock offset: 0.21 ms  
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.28 Mbit/s  
95th percentile per-packet one-way delay: 43.260 ms  
Loss rate: 1.65%  
-- Flow 1:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 42.459 ms  
Loss rate: 2.58%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.414 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 43.917 ms  
Loss rate: 5.46%

Run 5: Report of SReAM — Data Link



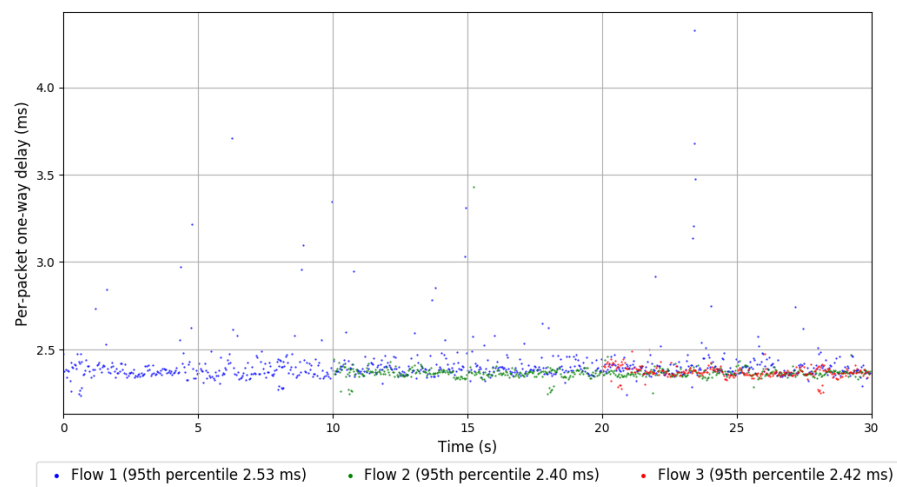
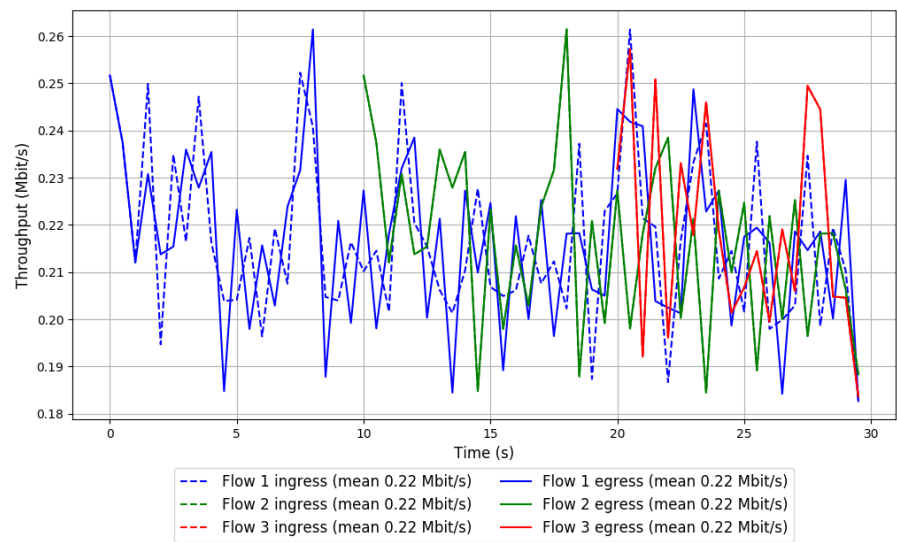
Run 6: Statistics of SReAM

Start at: 2018-01-26 15:09:00  
End at: 2018-01-26 15:09:30  
Local clock offset: 0.249 ms  
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.462 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.528 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.403 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.421 ms  
Loss rate: 0.00%



Run 6: Report of SReAM — Data Link

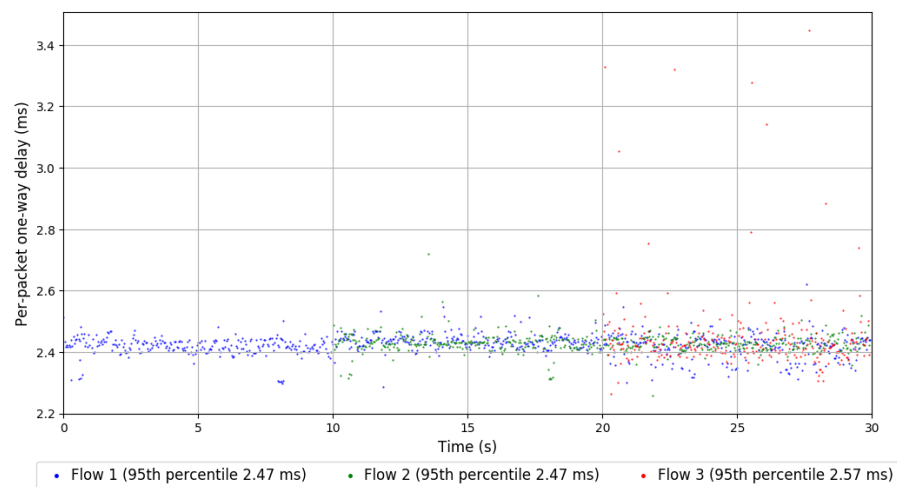
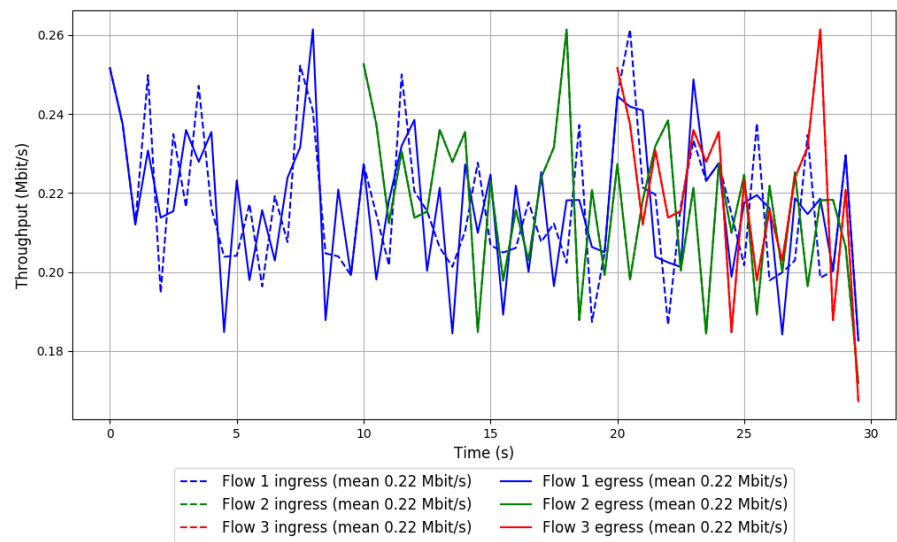


Run 7: Statistics of SReAM

Start at: 2018-01-26 15:27:13  
End at: 2018-01-26 15:27:43  
Local clock offset: 0.194 ms  
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.481 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.469 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.471 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.570 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

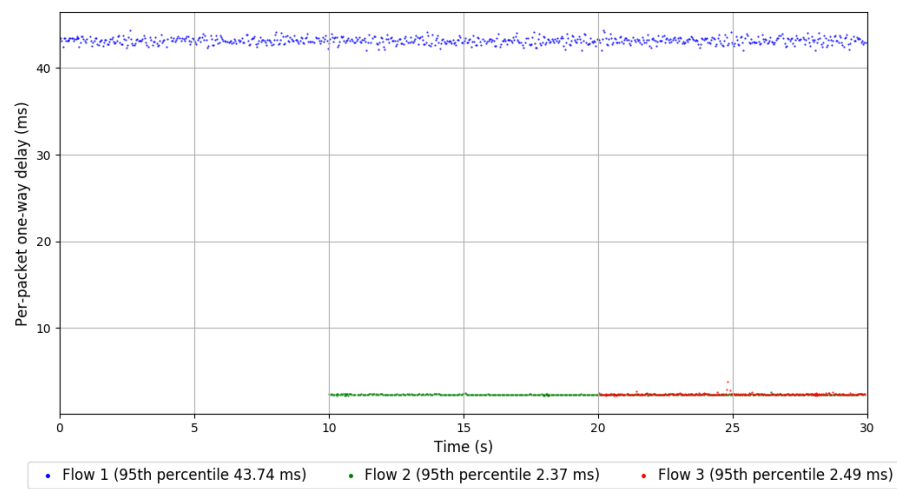
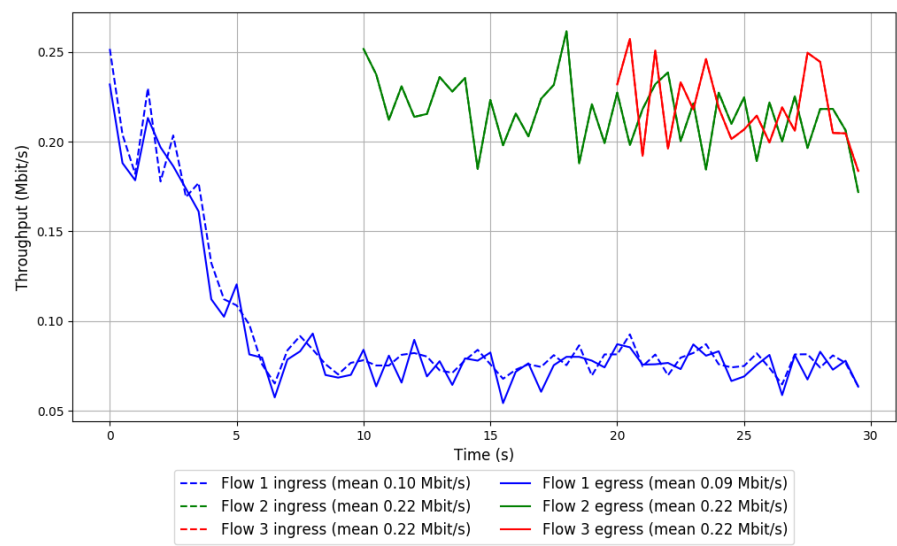


Run 8: Statistics of SReAM

Start at: 2018-01-26 15:45:27  
End at: 2018-01-26 15:45:57  
Local clock offset: 0.254 ms  
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 43.624 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 43.739 ms  
Loss rate: 3.61%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.374 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.492 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

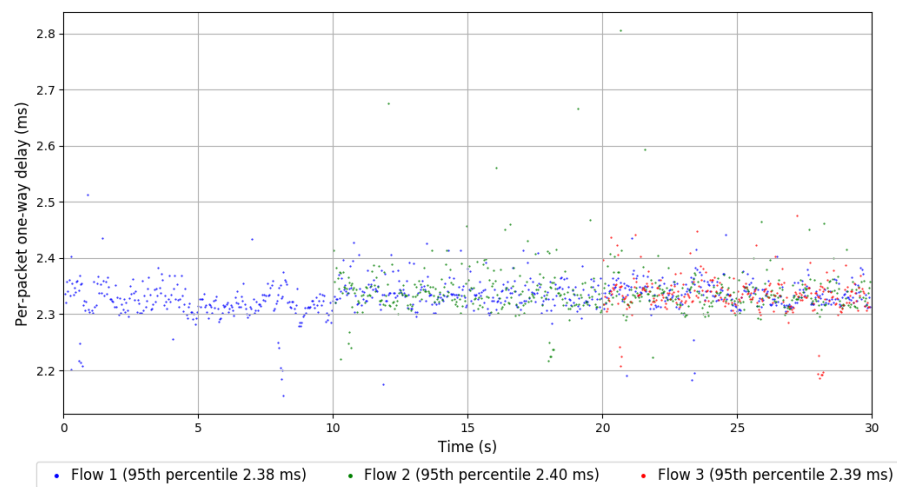
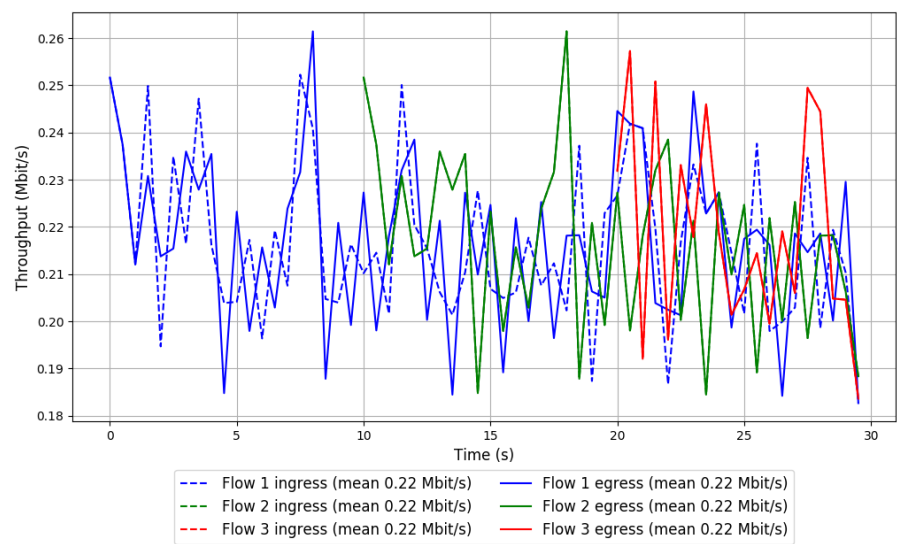


Run 9: Statistics of SReAM

Start at: 2018-01-26 16:03:40  
End at: 2018-01-26 16:04:10  
Local clock offset: 0.211 ms  
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 2.385 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.376 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.400 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.386 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-01-26 16:21:55

End at: 2018-01-26 16:22:25

Local clock offset: 0.198 ms

Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-01-26 17:05:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 3.193 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.564 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.440 ms

Loss rate: 0.00%

-- Flow 3:

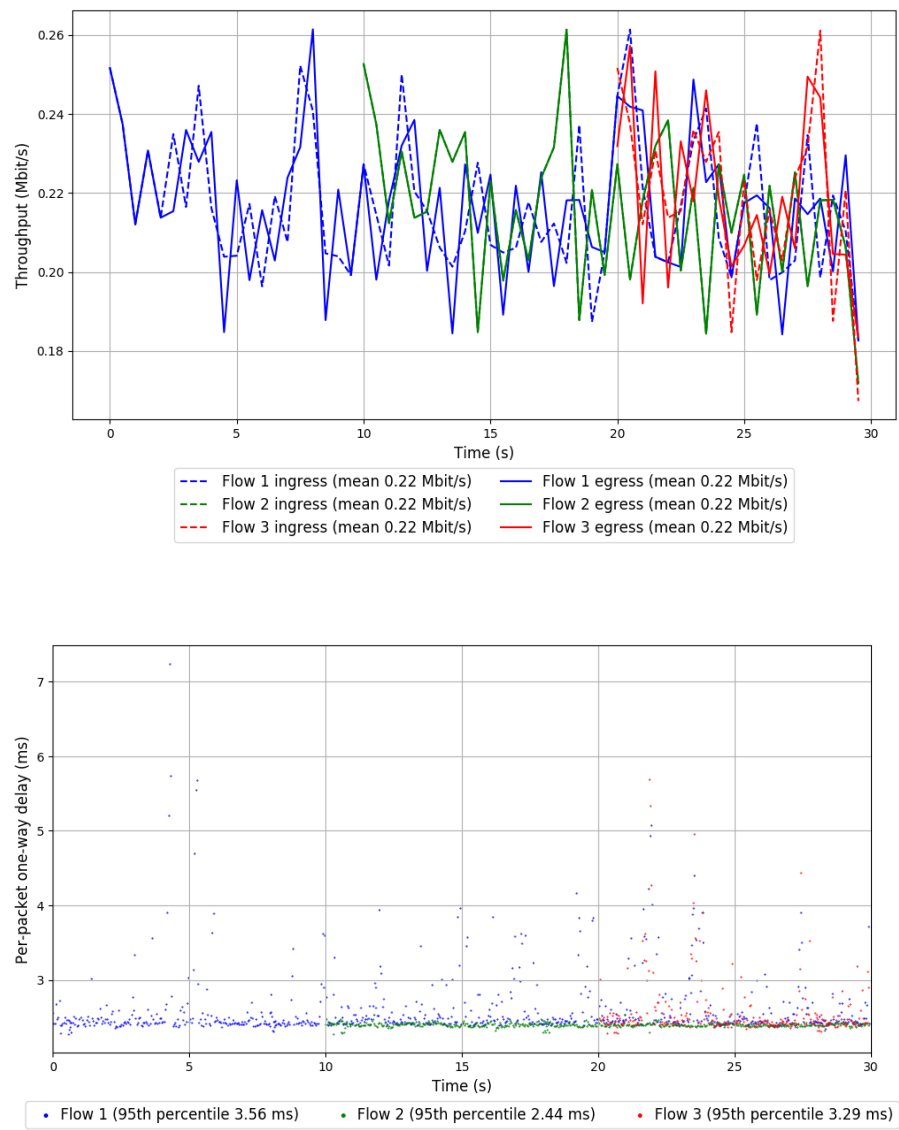
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.288 ms

Loss rate: 0.00%



Run 10: Report of SReAM — Data Link

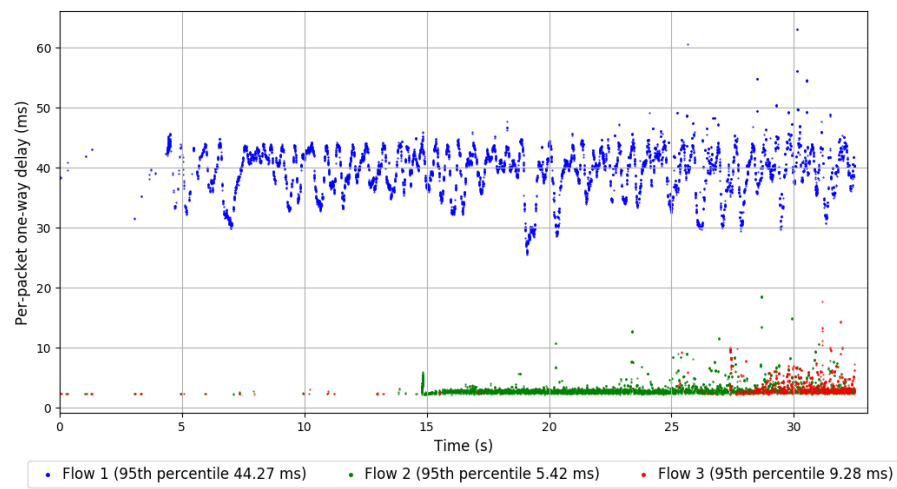
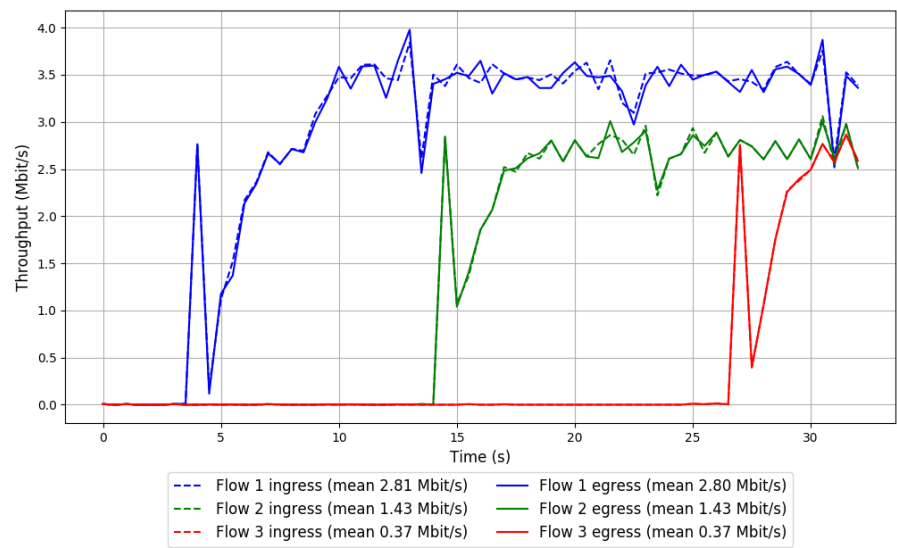


Run 1: Statistics of WebRTC media

Start at: 2018-01-26 13:45:56  
End at: 2018-01-26 13:46:26  
Local clock offset: 0.157 ms  
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.60 Mbit/s  
95th percentile per-packet one-way delay: 43.751 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 2.80 Mbit/s  
95th percentile per-packet one-way delay: 44.265 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 1.43 Mbit/s  
95th percentile per-packet one-way delay: 5.424 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 9.284 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

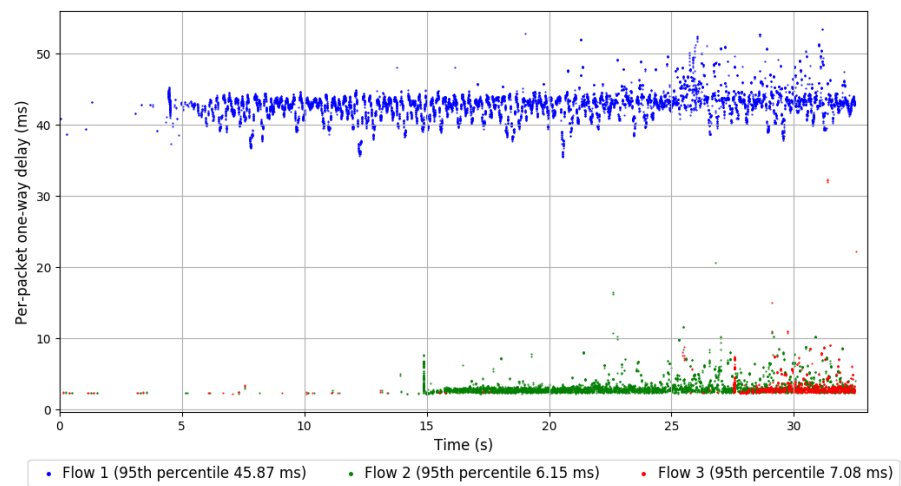
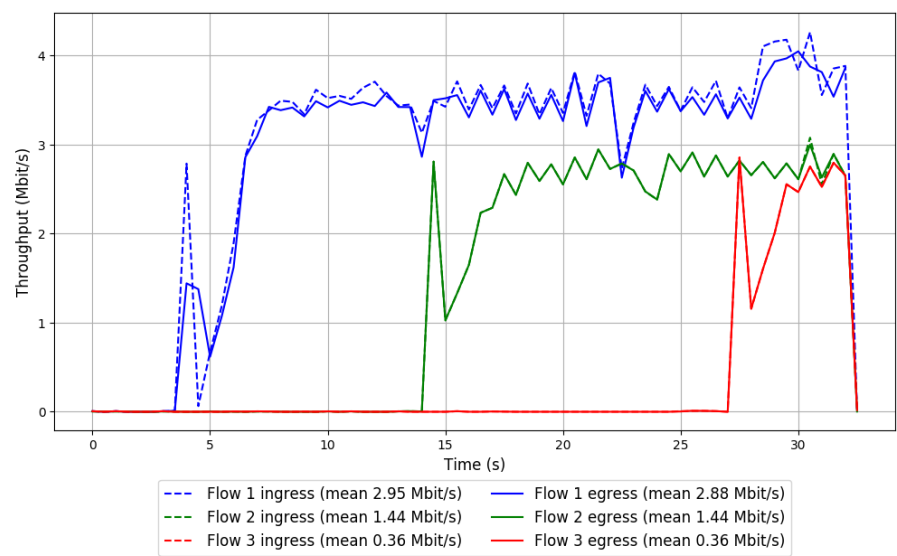


Run 2: Statistics of WebRTC media

Start at: 2018-01-26 14:04:10  
End at: 2018-01-26 14:04:40  
Local clock offset: 0.125 ms  
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.67 Mbit/s  
95th percentile per-packet one-way delay: 44.863 ms  
Loss rate: 1.56%  
-- Flow 1:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 45.873 ms  
Loss rate: 2.51%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 6.152 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 7.077 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

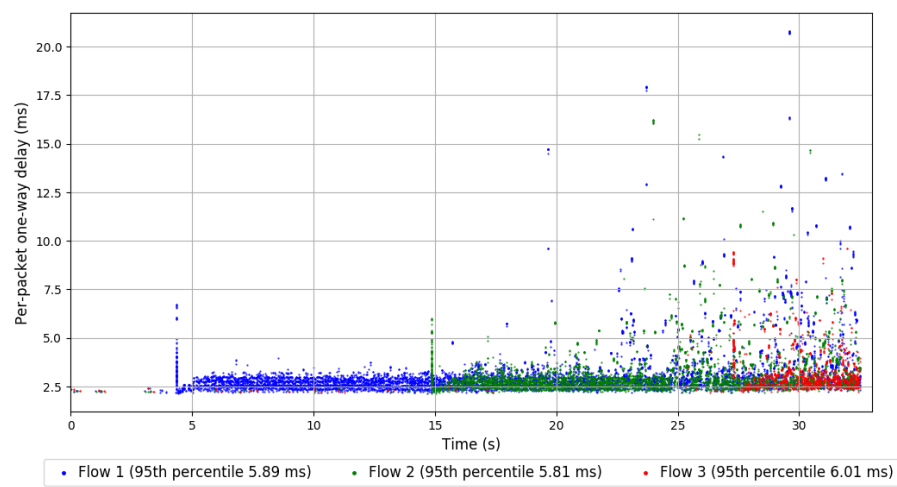
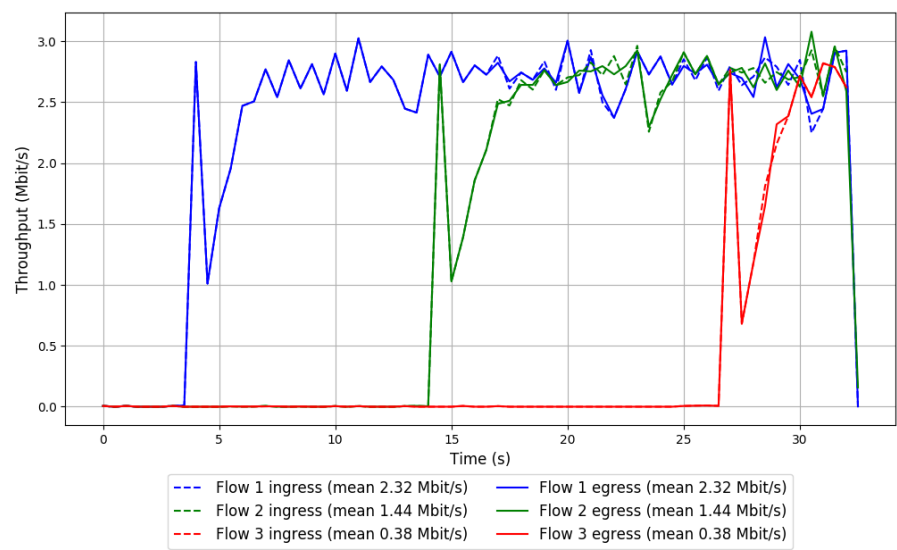


Run 3: Statistics of WebRTC media

Start at: 2018-01-26 14:22:21  
End at: 2018-01-26 14:22:51  
Local clock offset: 0.215 ms  
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.14 Mbit/s  
95th percentile per-packet one-way delay: 5.881 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 5.891 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 5.814 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 6.014 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-01-26 14:40:33

End at: 2018-01-26 14:41:03

Local clock offset: 0.253 ms

Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-01-26 17:05:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 43.293 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 43.958 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 5.380 ms

Loss rate: 0.00%

-- Flow 3:

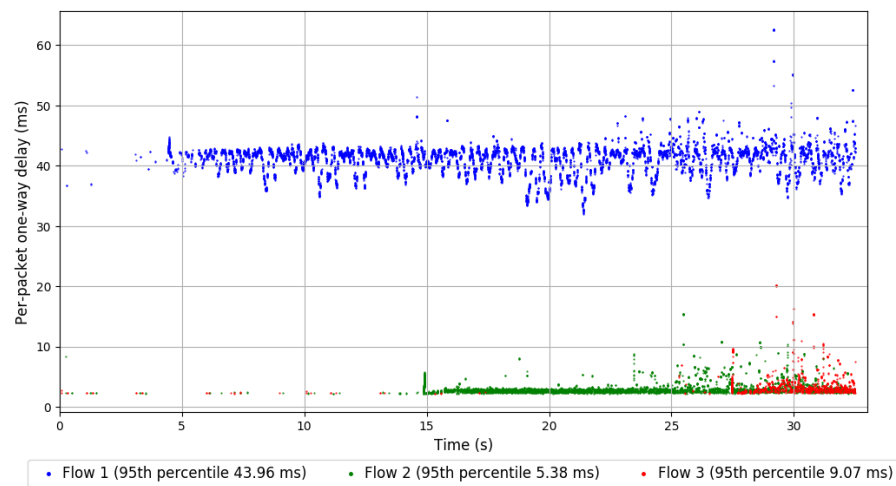
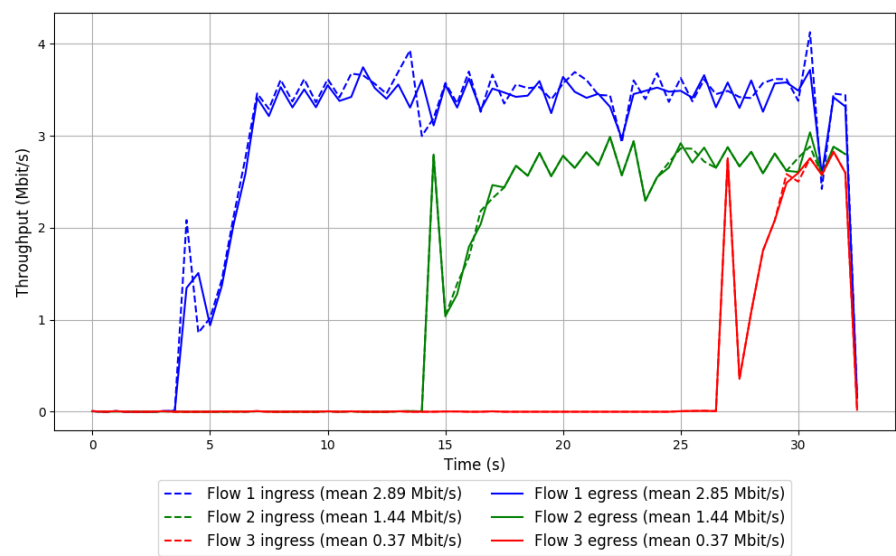
Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 9.066 ms

Loss rate: 0.00%



Run 4: Report of WebRTC media — Data Link

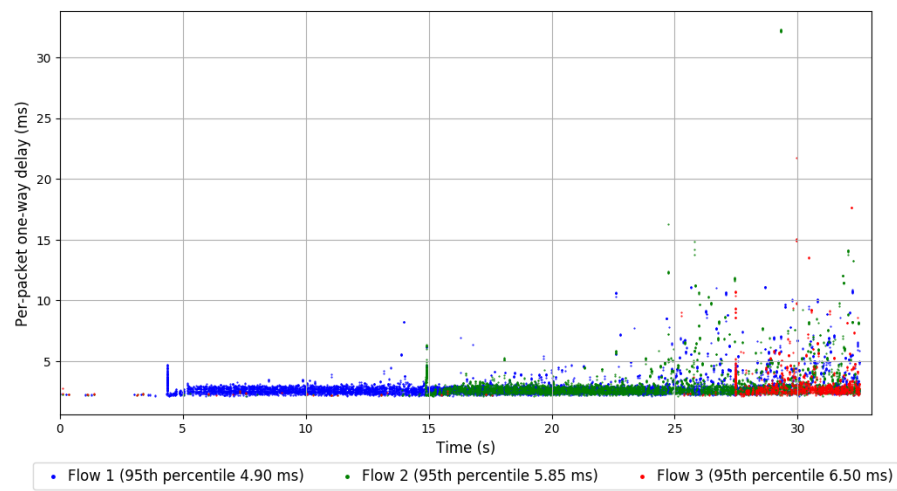
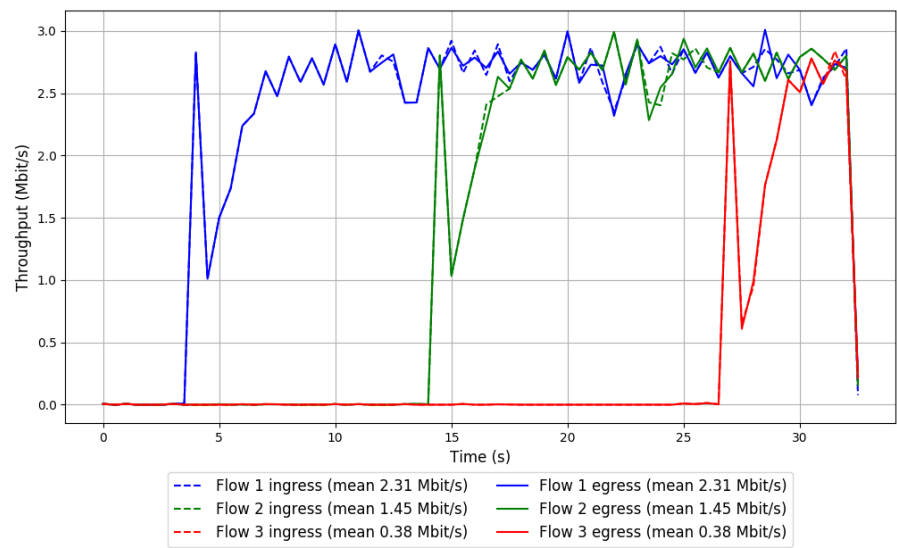


Run 5: Statistics of WebRTC media

Start at: 2018-01-26 14:58:48  
End at: 2018-01-26 14:59:18  
Local clock offset: 0.272 ms  
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.13 Mbit/s  
95th percentile per-packet one-way delay: 5.402 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 4.903 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.853 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 6.495 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-01-26 15:17:01

End at: 2018-01-26 15:17:31

Local clock offset: 0.266 ms

Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-01-26 17:05:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 45.668 ms

Loss rate: 3.27%

-- Flow 1:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 46.416 ms

Loss rate: 4.85%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 5.729 ms

Loss rate: 0.00%

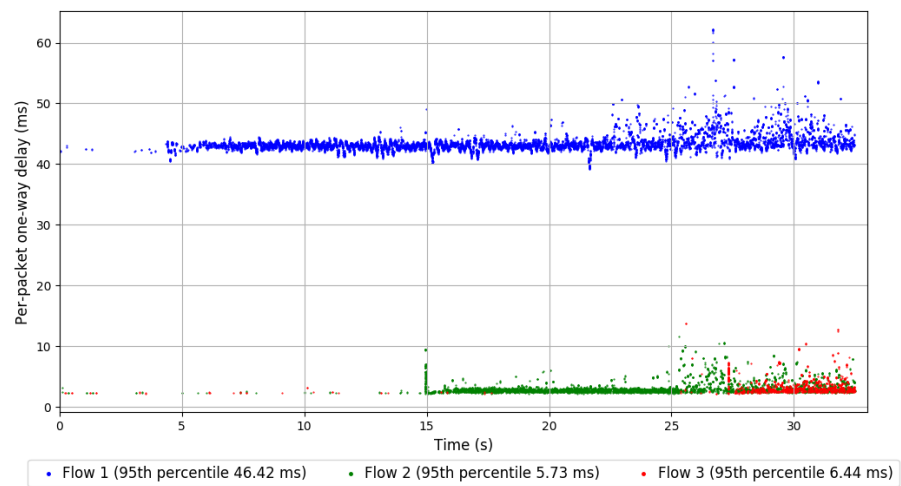
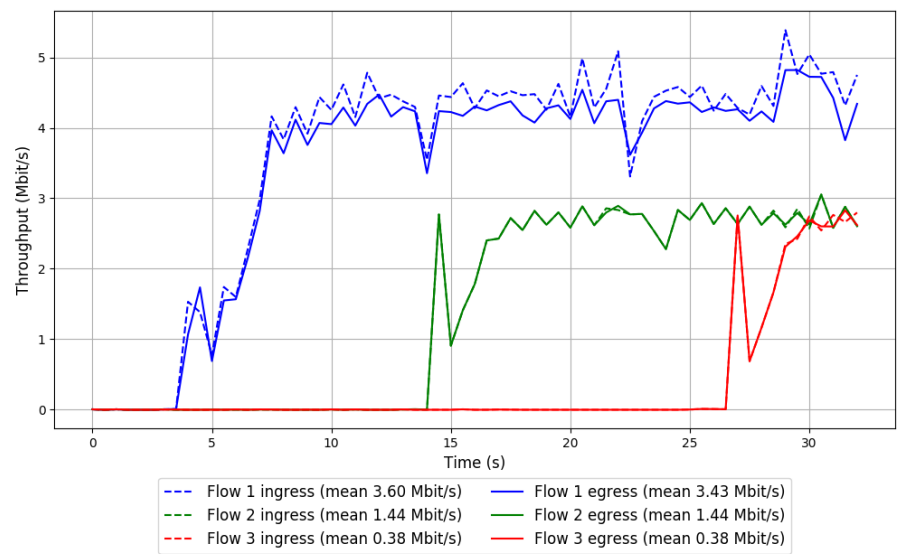
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 6.437 ms

Loss rate: 0.72%

Run 6: Report of WebRTC media — Data Link

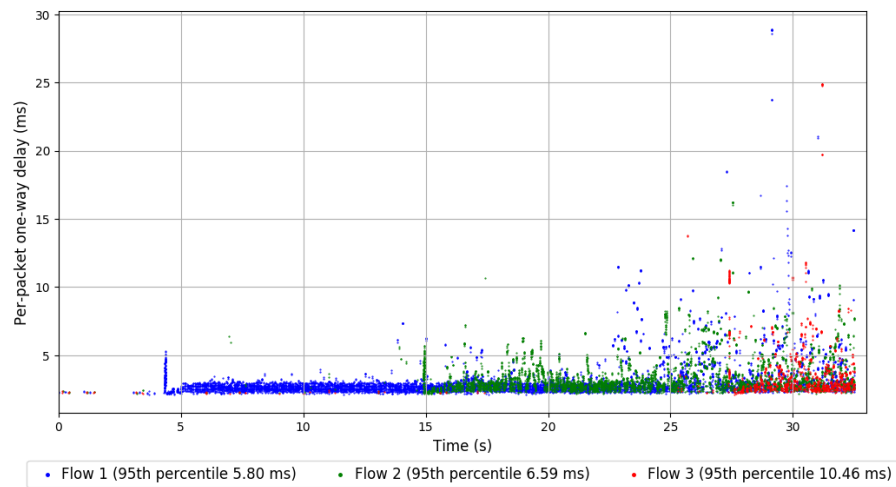
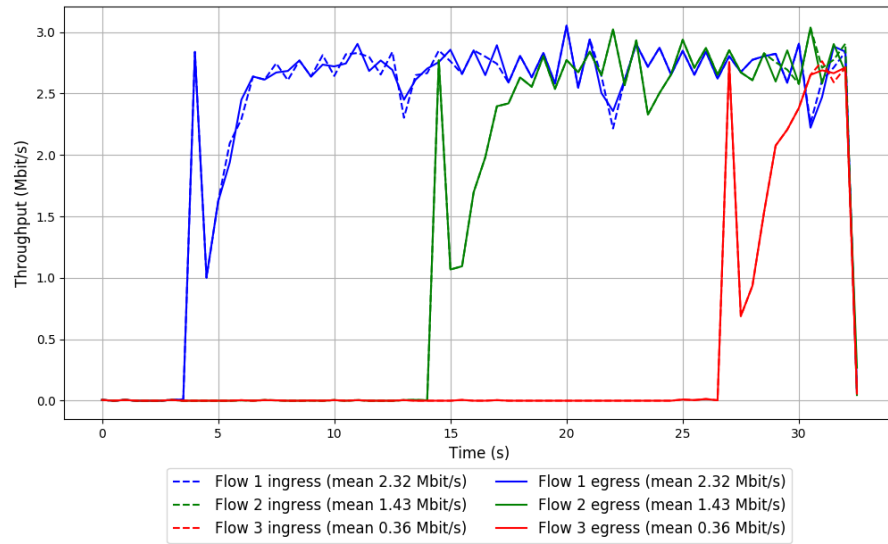


Run 7: Statistics of WebRTC media

Start at: 2018-01-26 15:35:14  
End at: 2018-01-26 15:35:44  
Local clock offset: 0.26 ms  
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.11 Mbit/s  
95th percentile per-packet one-way delay: 6.520 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 5.799 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.43 Mbit/s  
95th percentile per-packet one-way delay: 6.595 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 10.457 ms  
Loss rate: 0.00%

## Run 7: Report of WebRTC media — Data Link



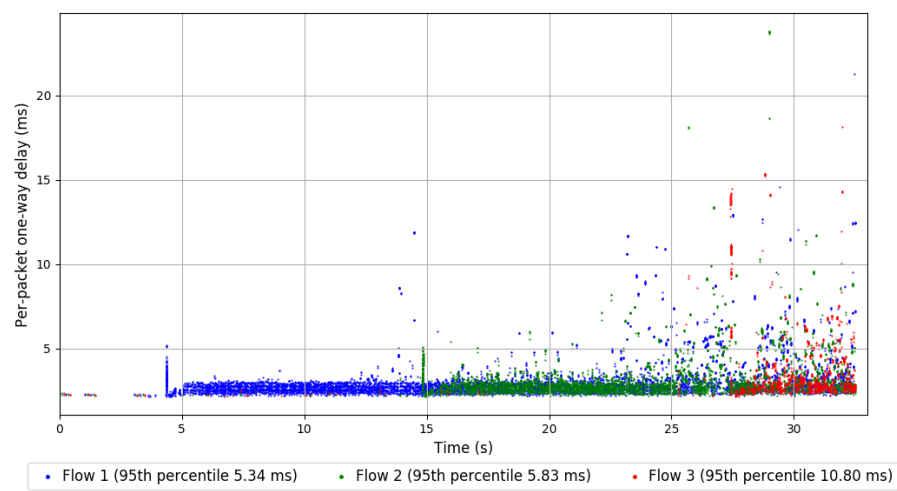
Run 8: Statistics of WebRTC media

Start at: 2018-01-26 15:53:27  
End at: 2018-01-26 15:53:57  
Local clock offset: 0.268 ms  
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-01-26 17:05:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.15 Mbit/s  
95th percentile per-packet one-way delay: 5.863 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 5.340 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.826 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 10.803 ms  
Loss rate: 0.00%



Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-01-26 16:11:41

End at: 2018-01-26 16:12:11

Local clock offset: 0.263 ms

Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-01-26 17:05:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 44.038 ms

Loss rate: 3.64%

-- Flow 1:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 44.630 ms

Loss rate: 5.53%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 5.576 ms

Loss rate: 0.00%

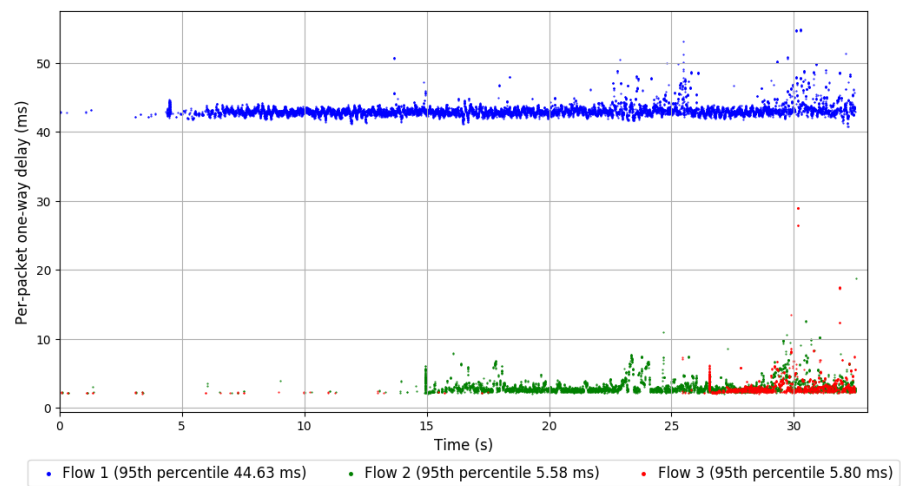
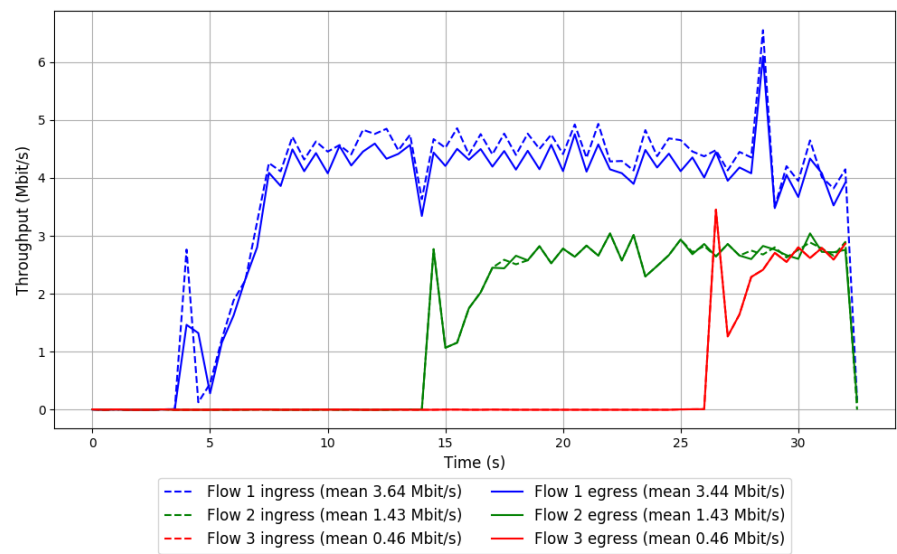
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 5.803 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

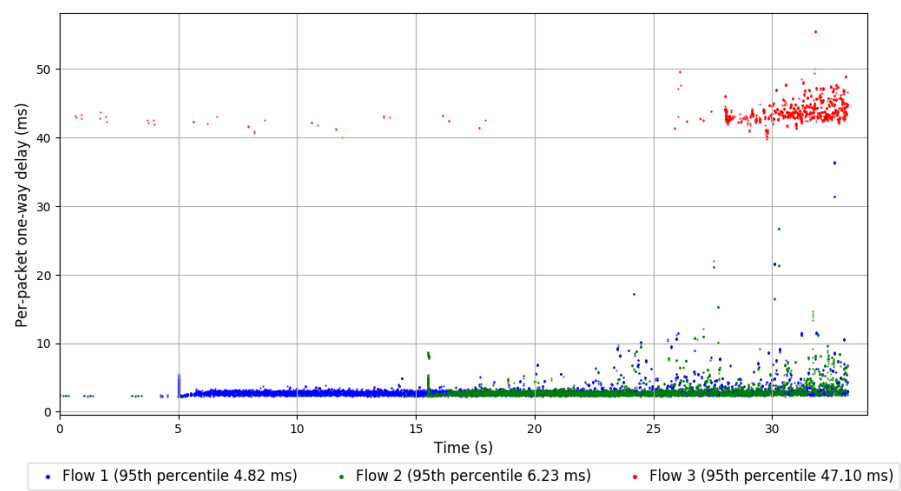
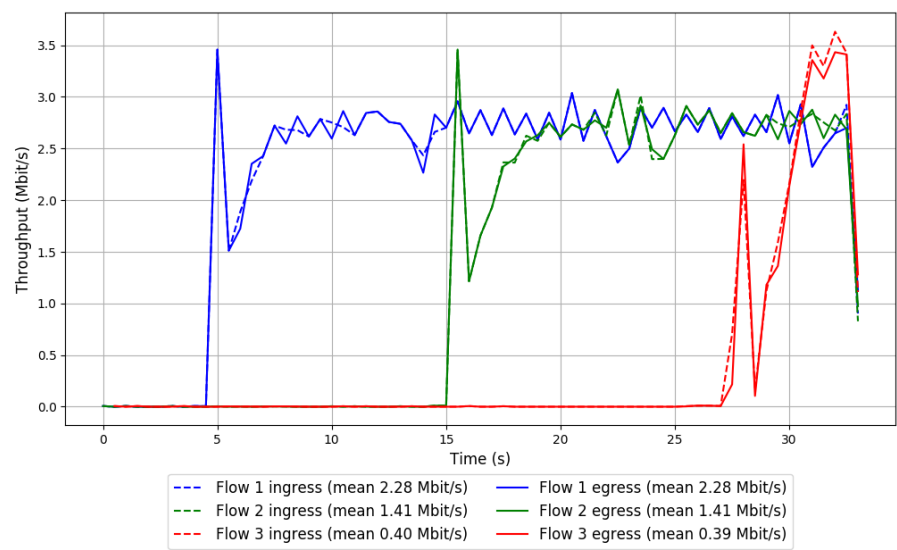


Run 10: Statistics of WebRTC media

Start at: 2018-01-26 16:29:54  
End at: 2018-01-26 16:30:24  
Local clock offset: 0.203 ms  
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-01-26 17:05:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 43.577 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 2.28 Mbit/s  
95th percentile per-packet one-way delay: 4.822 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 6.226 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 47.105 ms  
Loss rate: 3.12%

Run 10: Report of WebRTC media — Data Link

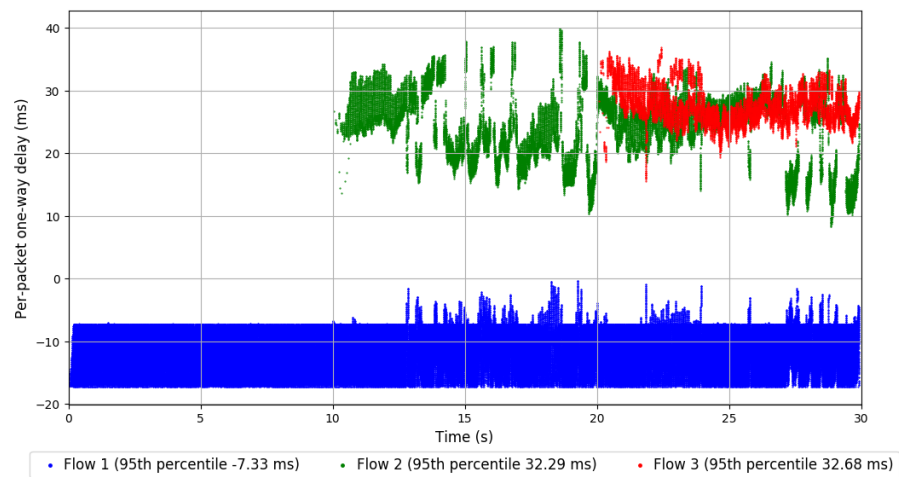
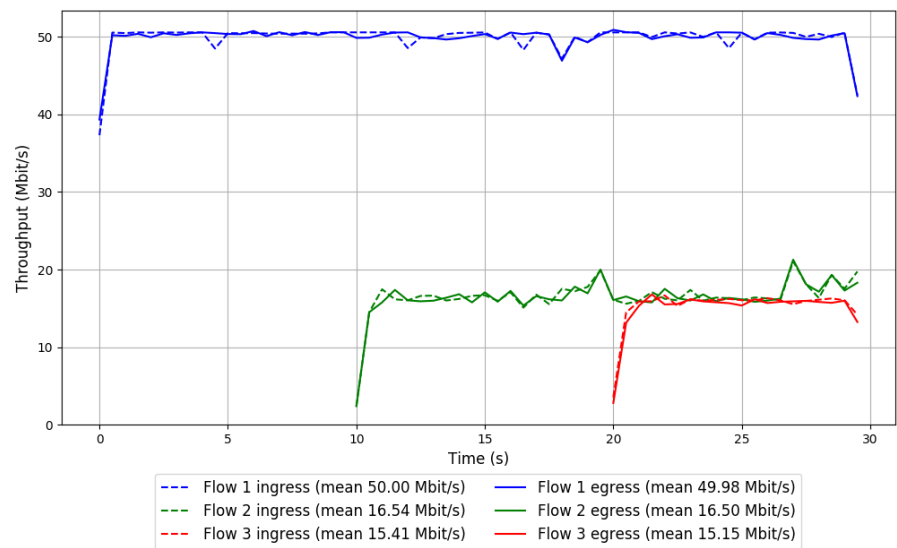


Run 1: Statistics of Sprout

Start at: 2018-01-26 13:42:30  
End at: 2018-01-26 13:43:00  
Local clock offset: 0.159 ms  
Remote clock offset: -19.564 ms

# Below is generated by plot.py at 2018-01-26 17:06:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.90 Mbit/s  
95th percentile per-packet one-way delay: 29.044 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 49.98 Mbit/s  
95th percentile per-packet one-way delay: -7.331 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 16.50 Mbit/s  
95th percentile per-packet one-way delay: 32.287 ms  
Loss rate: 0.51%  
-- Flow 3:  
Average throughput: 15.15 Mbit/s  
95th percentile per-packet one-way delay: 32.677 ms  
Loss rate: 2.10%

Run 1: Report of Sprout — Data Link



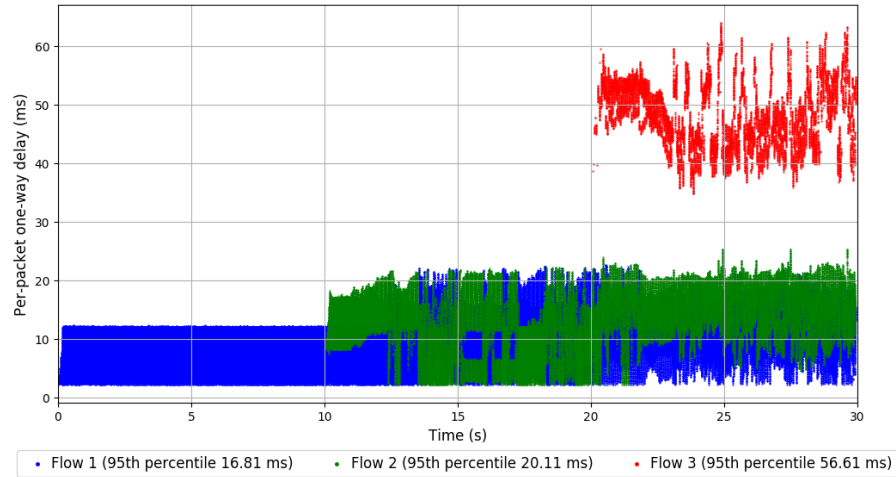
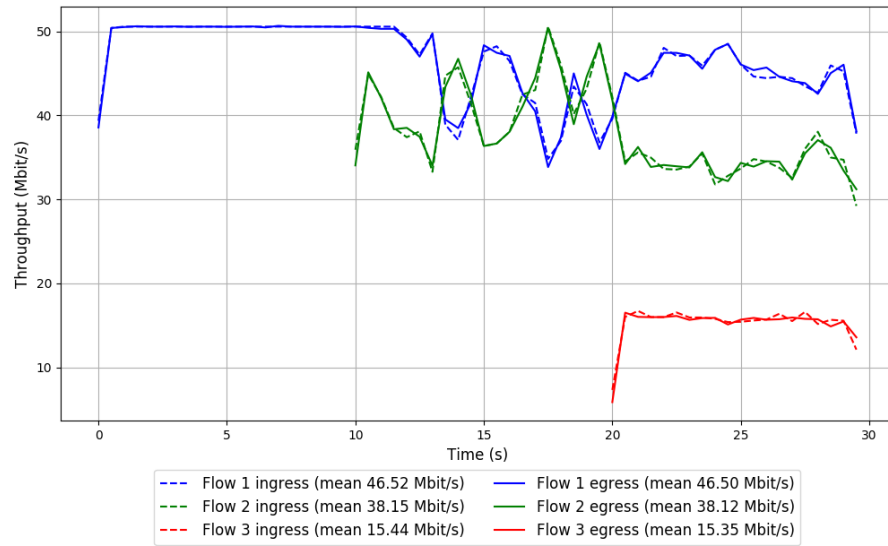
## Run 2: Statistics of Sprout

Start at: 2018-01-26 14:00:44  
End at: 2018-01-26 14:01:14  
Local clock offset: 0.183 ms  
Remote clock offset: -0.092 ms

```
# Below is generated by plot.py at 2018-01-26 17:06:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 43.820 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 16.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 20.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 56.608 ms
Loss rate: 0.64%
```



## Run 2: Report of Sprout — Data Link

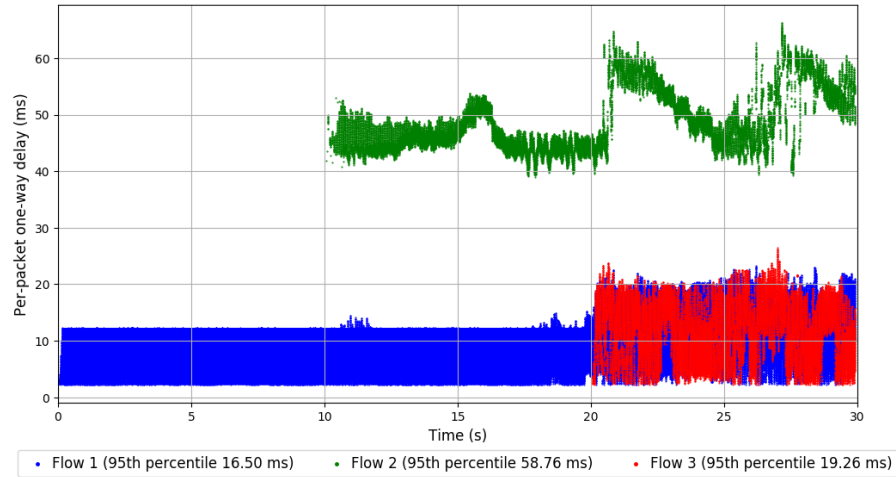
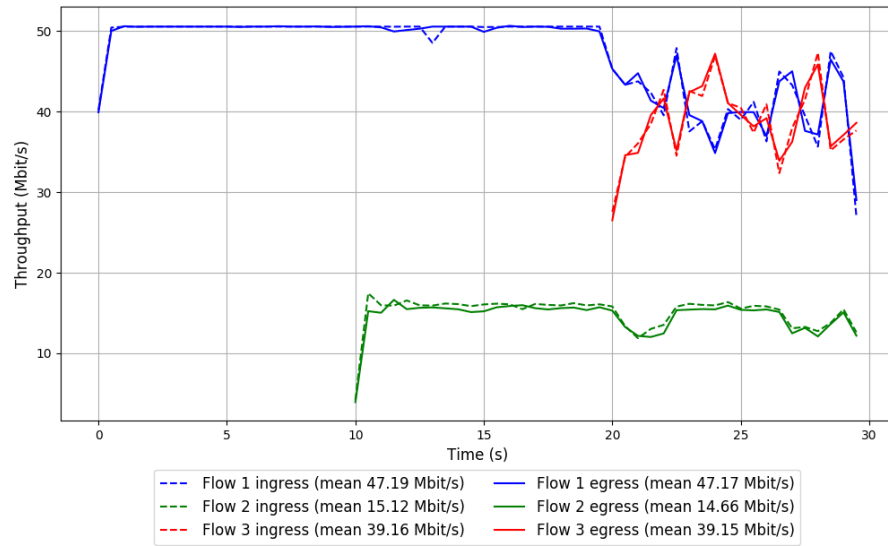


### Run 3: Statistics of Sprout

Start at: 2018-01-26 14:18:54  
End at: 2018-01-26 14:19:24  
Local clock offset: 0.241 ms  
Remote clock offset: -0.18 ms

```
# Below is generated by plot.py at 2018-01-26 17:06:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 49.349 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 16.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 58.758 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 0.00%
```

### Run 3: Report of Sprout — Data Link

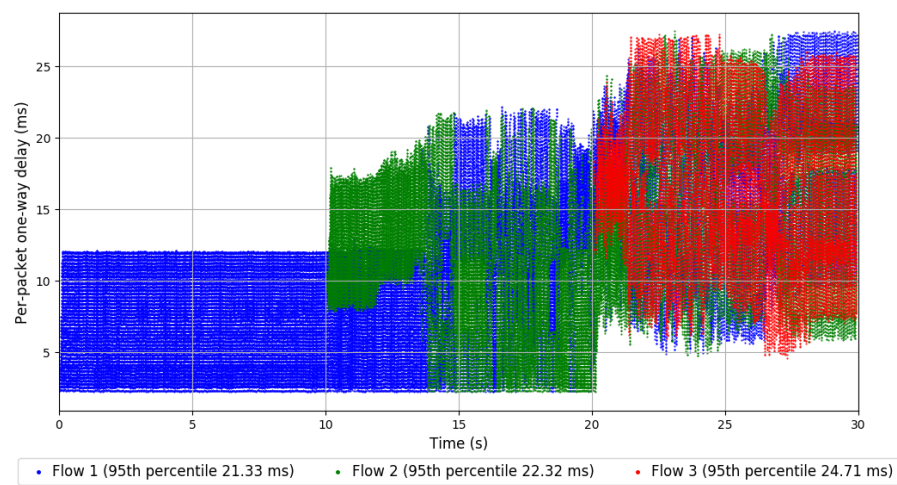
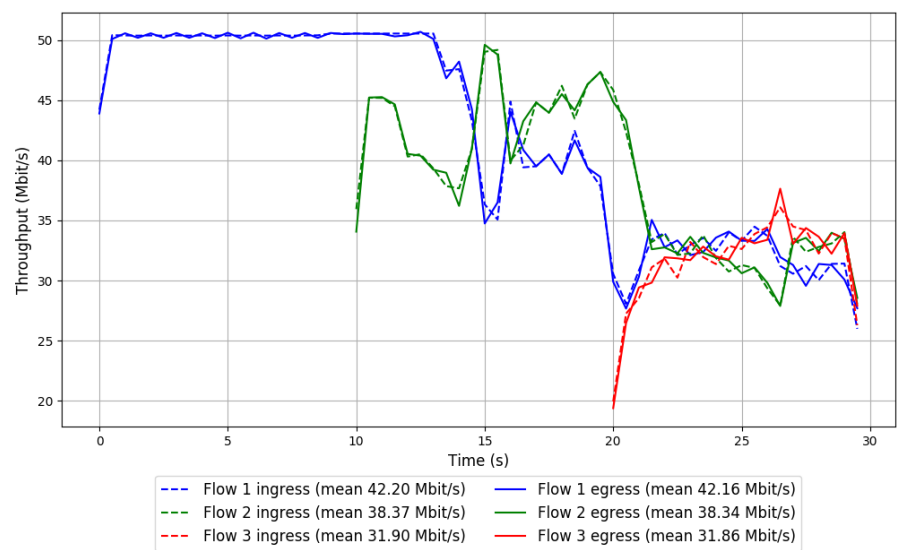


#### Run 4: Statistics of Sprout

Start at: 2018-01-26 14:37:06  
End at: 2018-01-26 14:37:36  
Local clock offset: 0.188 ms  
Remote clock offset: -0.282 ms

```
# Below is generated by plot.py at 2018-01-26 17:06:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 22.614 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 21.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 22.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 24.715 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

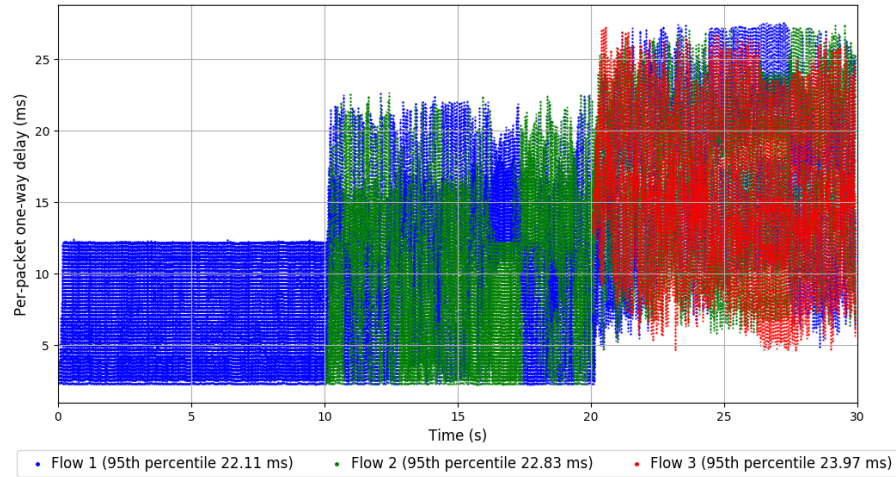
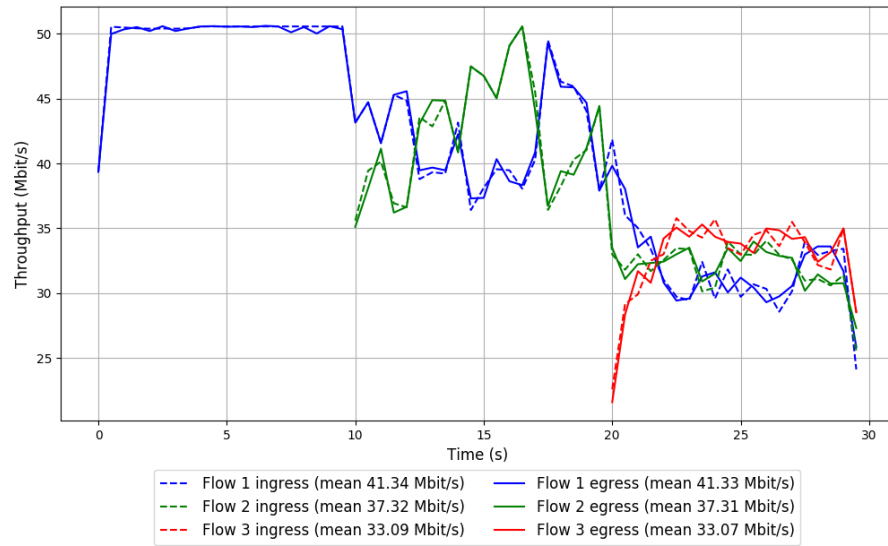


Run 5: Statistics of Sprout

Start at: 2018-01-26 14:55:21  
End at: 2018-01-26 14:55:51  
Local clock offset: 0.257 ms  
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2018-01-26 17:06:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.04 Mbit/s  
95th percentile per-packet one-way delay: 22.873 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 41.33 Mbit/s  
95th percentile per-packet one-way delay: 22.114 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 37.31 Mbit/s  
95th percentile per-packet one-way delay: 22.834 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 33.07 Mbit/s  
95th percentile per-packet one-way delay: 23.971 ms  
Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link



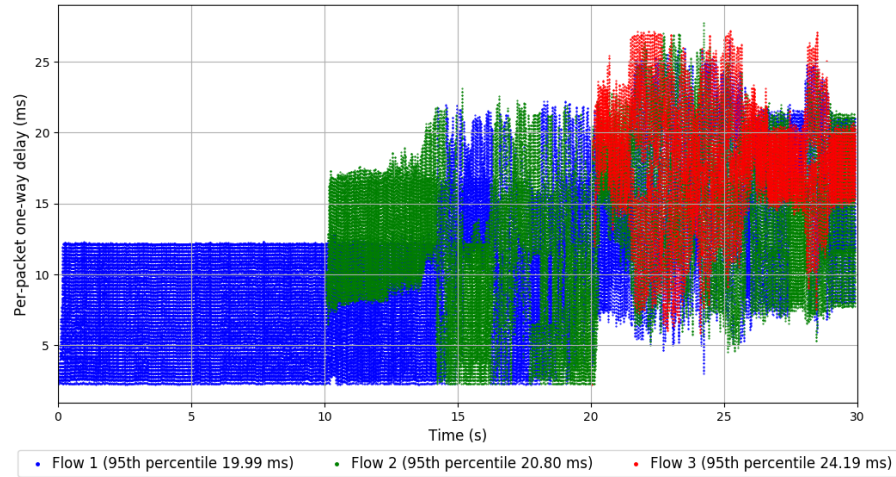
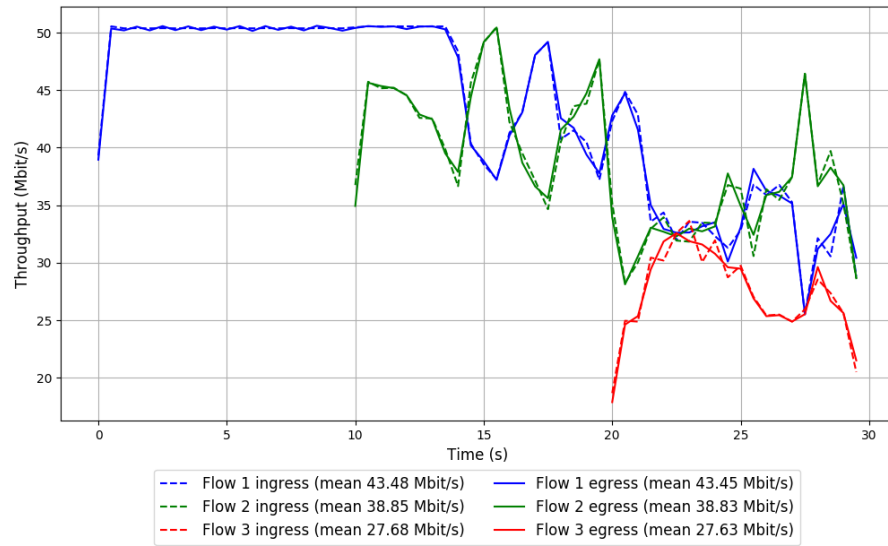
Run 6: Statistics of Sprout

Start at: 2018-01-26 15:13:34  
End at: 2018-01-26 15:14:04  
Local clock offset: 0.264 ms  
Remote clock offset: -0.174 ms

```
# Below is generated by plot.py at 2018-01-26 17:07:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 21.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 19.993 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 20.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 24.192 ms
Loss rate: 0.00%
```



## Run 6: Report of Sprout — Data Link

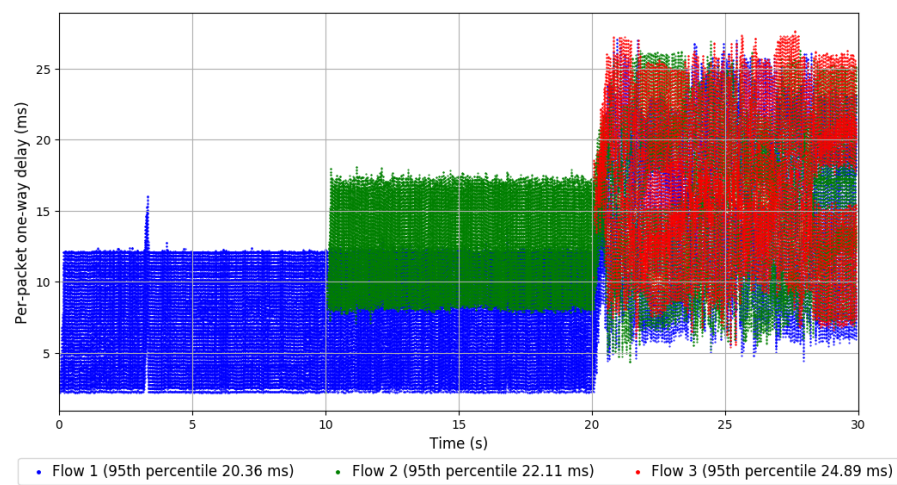
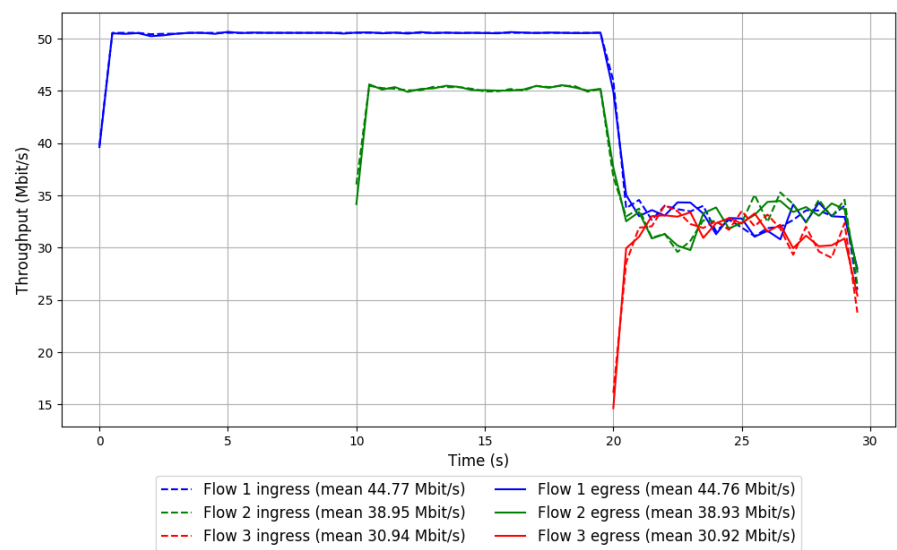


Run 7: Statistics of Sprout

Start at: 2018-01-26 15:31:47  
End at: 2018-01-26 15:32:17  
Local clock offset: 0.251 ms  
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-01-26 17:07:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.85 Mbit/s  
95th percentile per-packet one-way delay: 22.387 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 44.76 Mbit/s  
95th percentile per-packet one-way delay: 20.362 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.93 Mbit/s  
95th percentile per-packet one-way delay: 22.110 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.92 Mbit/s  
95th percentile per-packet one-way delay: 24.887 ms  
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

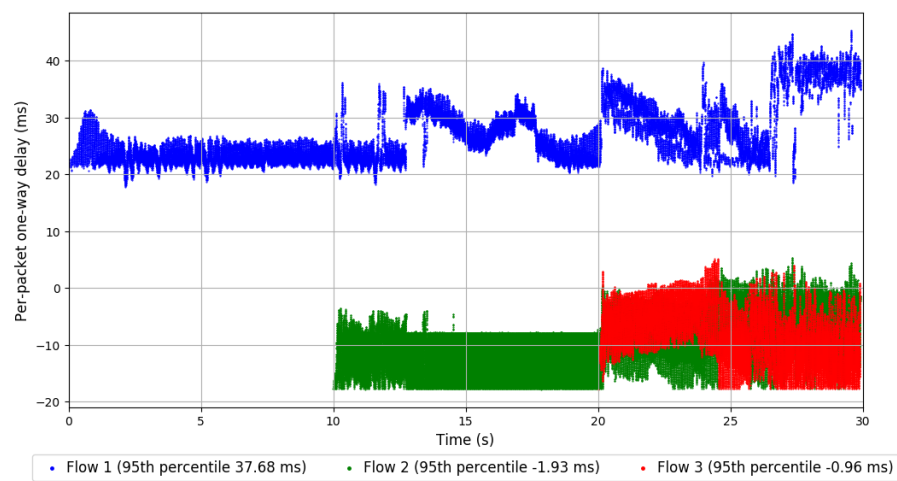
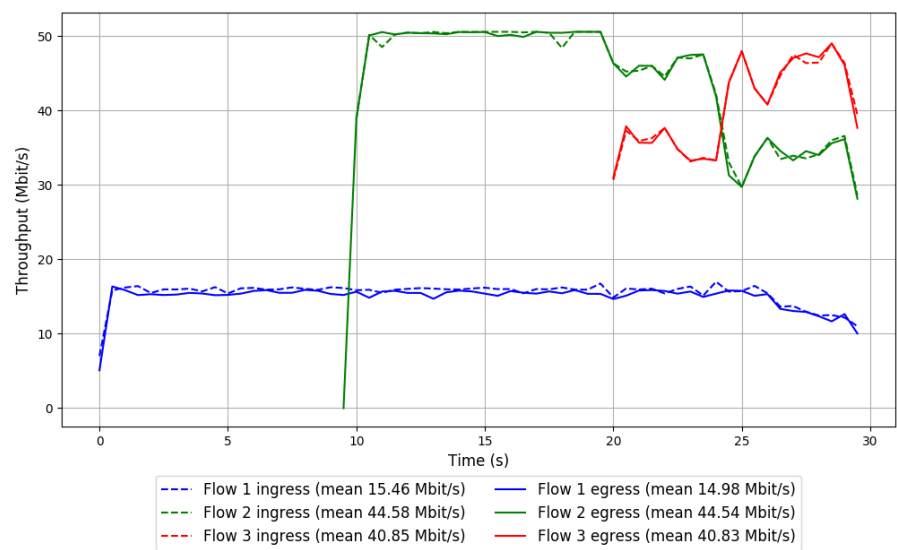


Run 8: Statistics of Sprout

Start at: 2018-01-26 15:50:01  
End at: 2018-01-26 15:50:31  
Local clock offset: 0.257 ms  
Remote clock offset: -20.097 ms

# Below is generated by plot.py at 2018-01-26 17:07:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 58.18 Mbit/s  
95th percentile per-packet one-way delay: 31.006 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 14.98 Mbit/s  
95th percentile per-packet one-way delay: 37.676 ms  
Loss rate: 3.18%  
-- Flow 2:  
Average throughput: 44.54 Mbit/s  
95th percentile per-packet one-way delay: -1.926 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 40.83 Mbit/s  
95th percentile per-packet one-way delay: -0.961 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

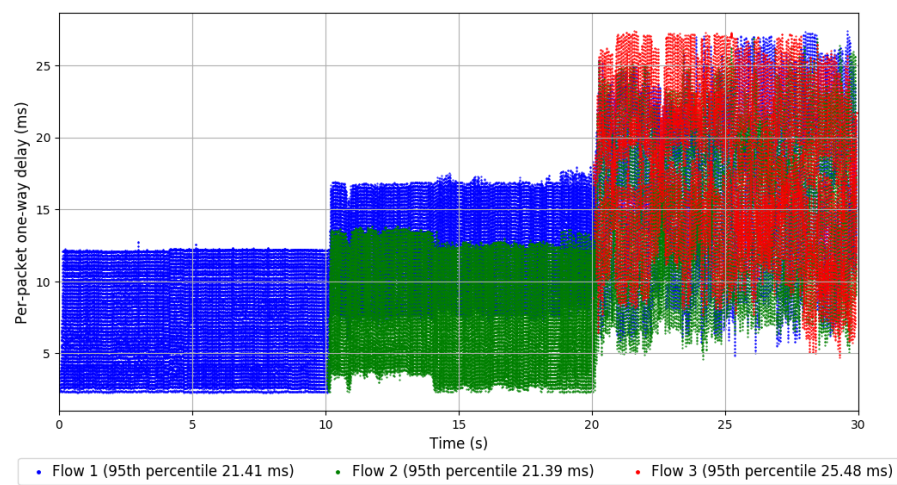
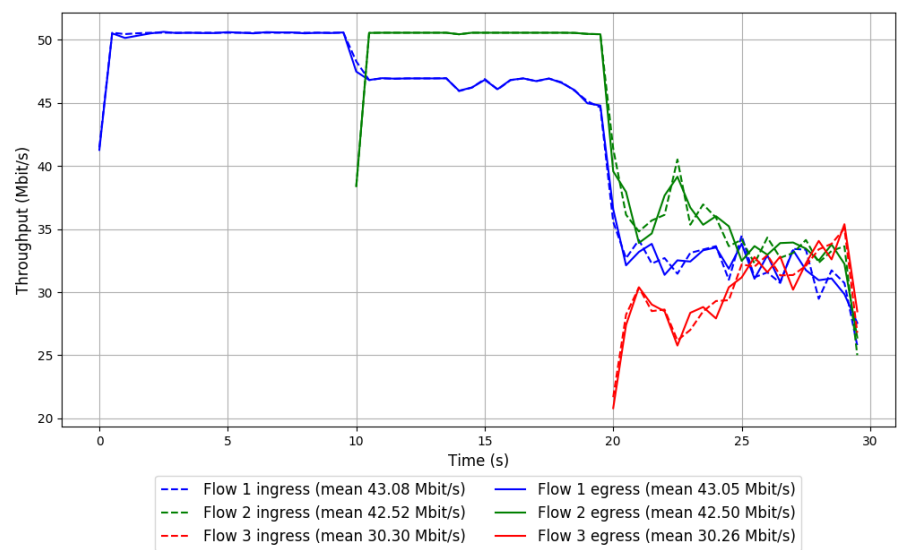


Run 9: Statistics of Sprout

Start at: 2018-01-26 16:08:14  
End at: 2018-01-26 16:08:44  
Local clock offset: 0.178 ms  
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-01-26 17:07:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.29 Mbit/s  
95th percentile per-packet one-way delay: 22.637 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.05 Mbit/s  
95th percentile per-packet one-way delay: 21.413 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.50 Mbit/s  
95th percentile per-packet one-way delay: 21.395 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.26 Mbit/s  
95th percentile per-packet one-way delay: 25.477 ms  
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



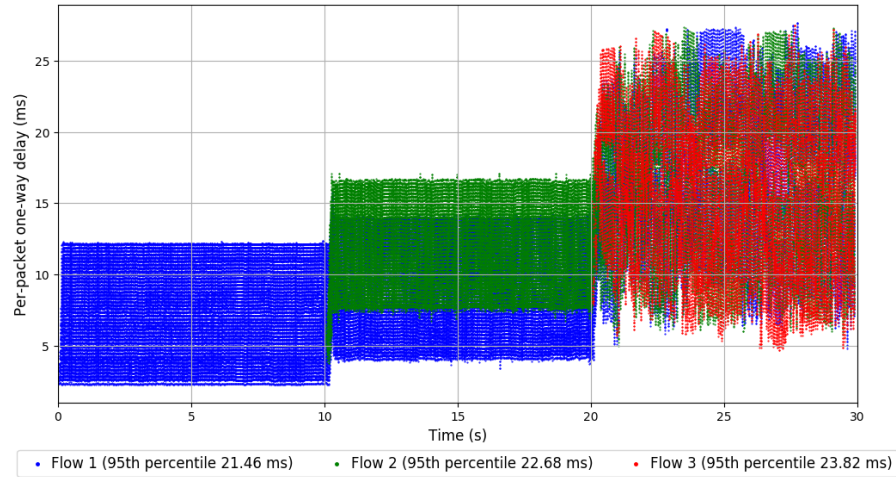
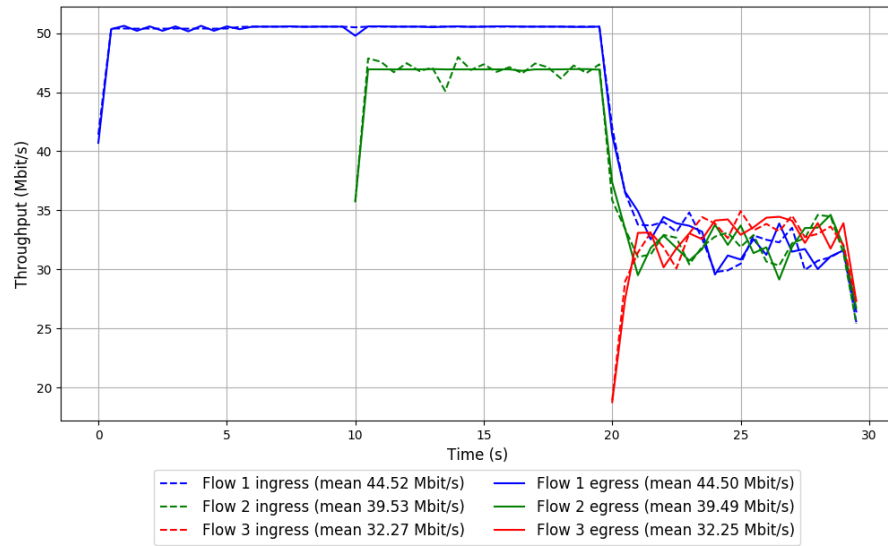
Run 10: Statistics of Sprout

Start at: 2018-01-26 16:26:29  
End at: 2018-01-26 16:26:59  
Local clock offset: 0.264 ms  
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-01-26 17:07:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.41 Mbit/s  
95th percentile per-packet one-way delay: 22.541 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 44.50 Mbit/s  
95th percentile per-packet one-way delay: 21.465 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.49 Mbit/s  
95th percentile per-packet one-way delay: 22.685 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 32.25 Mbit/s  
95th percentile per-packet one-way delay: 23.823 ms  
Loss rate: 0.00%



## Run 10: Report of Sprout — Data Link

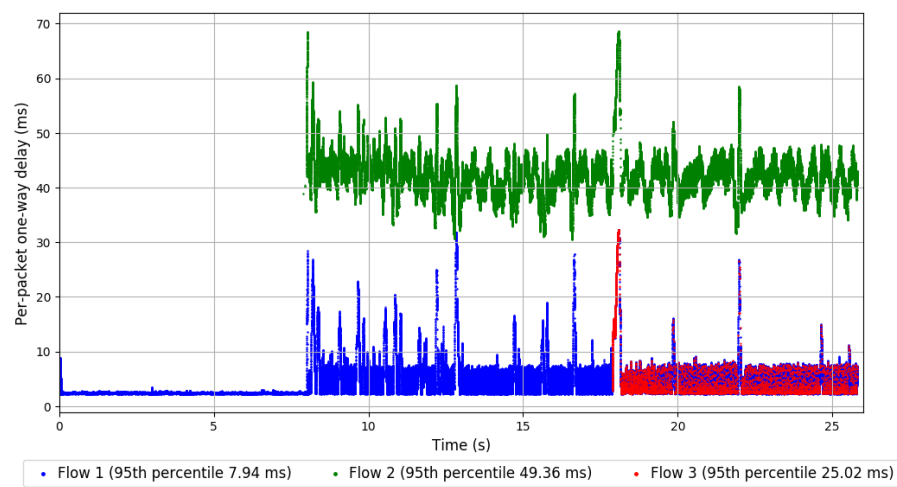
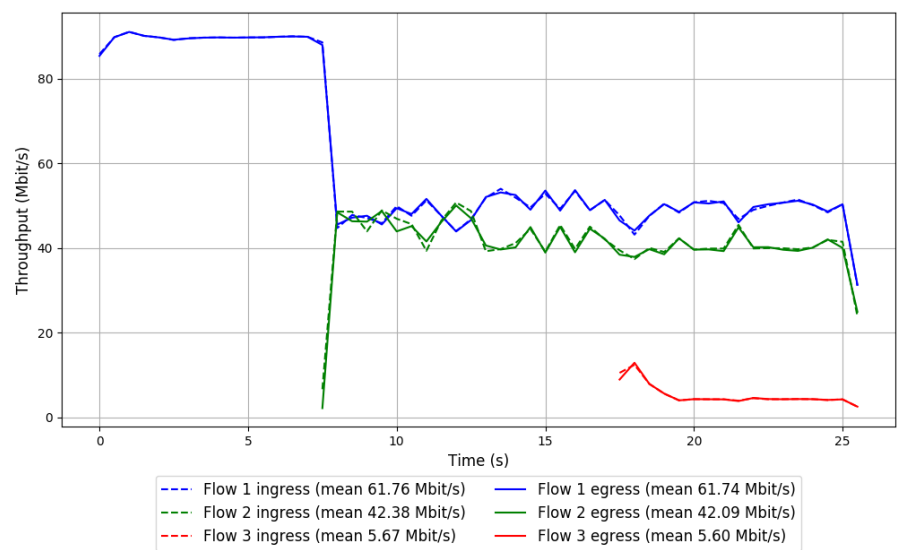


Run 1: Statistics of TaoVA-100x

Start at: 2018-01-26 13:50:24  
End at: 2018-01-26 13:50:54  
Local clock offset: 0.169 ms  
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2018-01-26 17:08:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.67 Mbit/s  
95th percentile per-packet one-way delay: 45.328 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 61.74 Mbit/s  
95th percentile per-packet one-way delay: 7.938 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 42.09 Mbit/s  
95th percentile per-packet one-way delay: 49.359 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 5.60 Mbit/s  
95th percentile per-packet one-way delay: 25.020 ms  
Loss rate: 1.16%

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

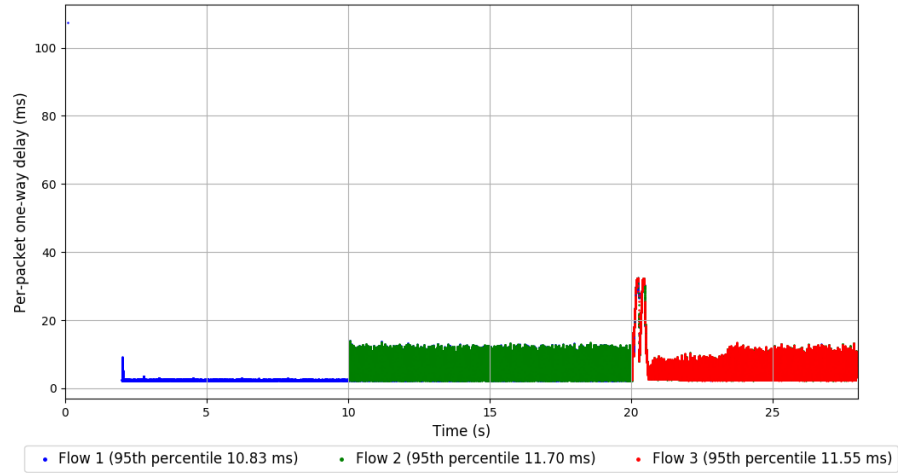
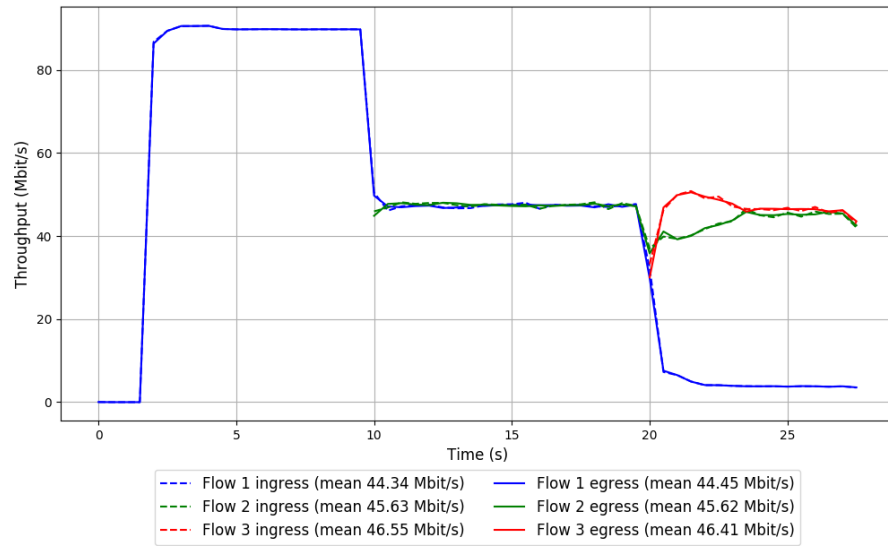


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-26 14:08:37  
End at: 2018-01-26 14:09:07  
Local clock offset: 0.202 ms  
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-01-26 17:09:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.06 Mbit/s  
95th percentile per-packet one-way delay: 11.332 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 44.45 Mbit/s  
95th percentile per-packet one-way delay: 10.833 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 45.62 Mbit/s  
95th percentile per-packet one-way delay: 11.699 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 46.41 Mbit/s  
95th percentile per-packet one-way delay: 11.546 ms  
Loss rate: 0.32%

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

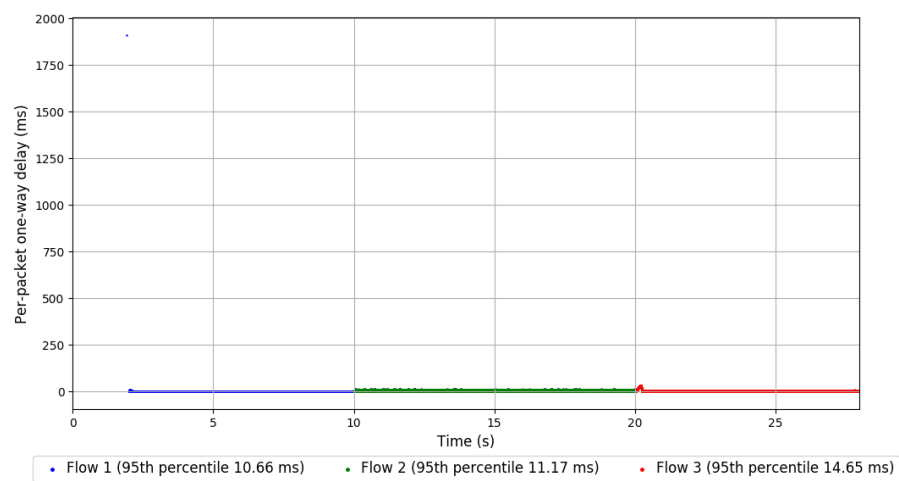
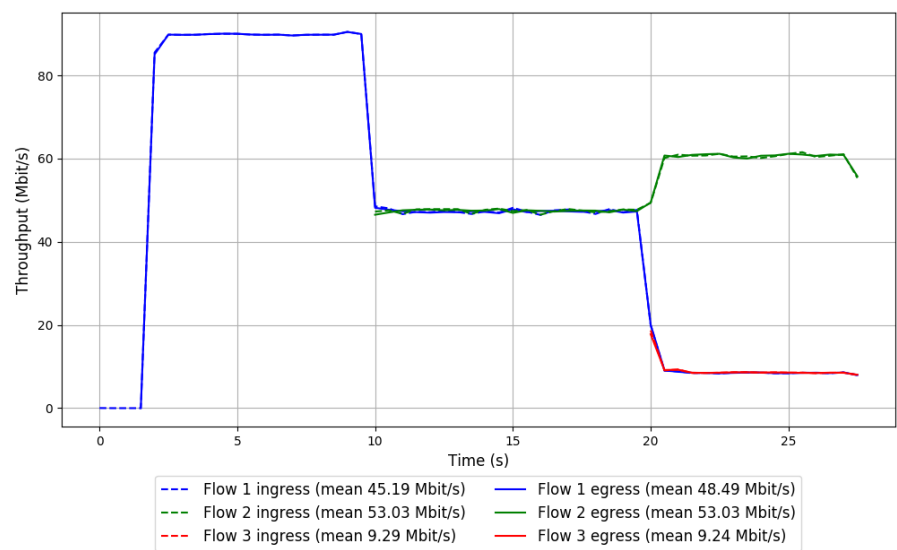


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-26 14:26:49  
End at: 2018-01-26 14:27:19  
Local clock offset: 0.246 ms  
Remote clock offset: -0.211 ms

# Below is generated by plot.py at 2018-01-26 17:09:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.83 Mbit/s  
95th percentile per-packet one-way delay: 10.926 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 48.49 Mbit/s  
95th percentile per-packet one-way delay: 10.659 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 53.03 Mbit/s  
95th percentile per-packet one-way delay: 11.166 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 14.652 ms  
Loss rate: 0.53%

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



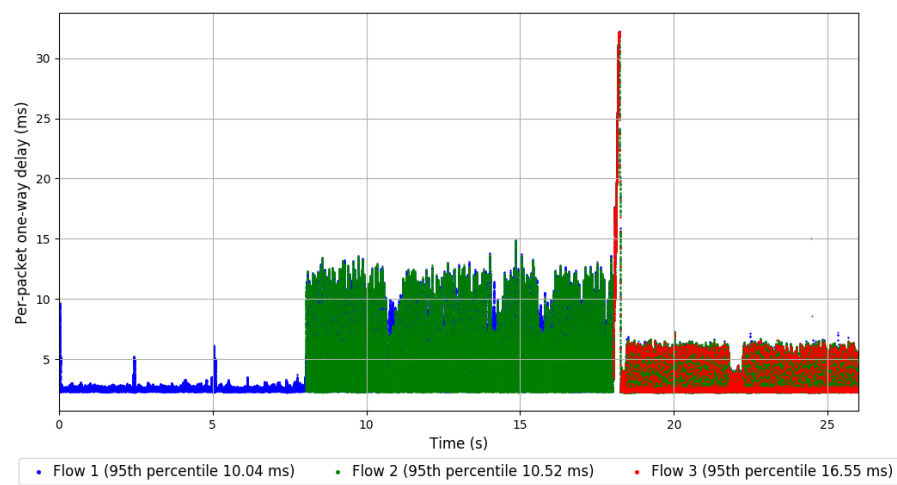
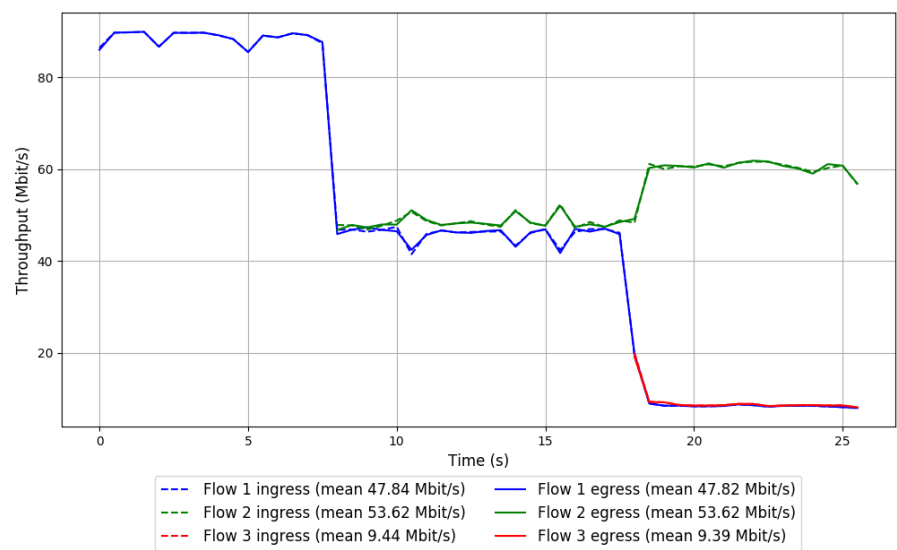
Run 4: Statistics of TaoVA-100x

Start at: 2018-01-26 14:45:01  
End at: 2018-01-26 14:45:31  
Local clock offset: 0.273 ms  
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-01-26 17:09:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.76 Mbit/s  
95th percentile per-packet one-way delay: 10.317 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 47.82 Mbit/s  
95th percentile per-packet one-way delay: 10.042 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 53.62 Mbit/s  
95th percentile per-packet one-way delay: 10.516 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 9.39 Mbit/s  
95th percentile per-packet one-way delay: 16.555 ms  
Loss rate: 0.52%



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

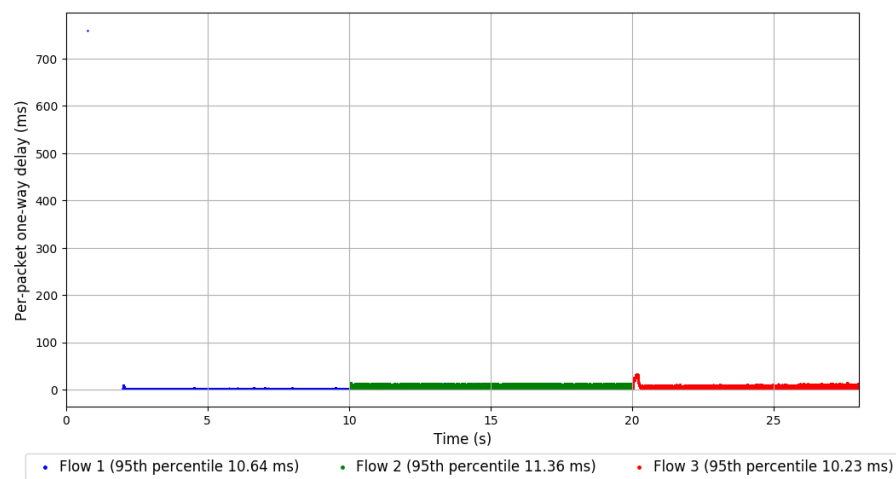
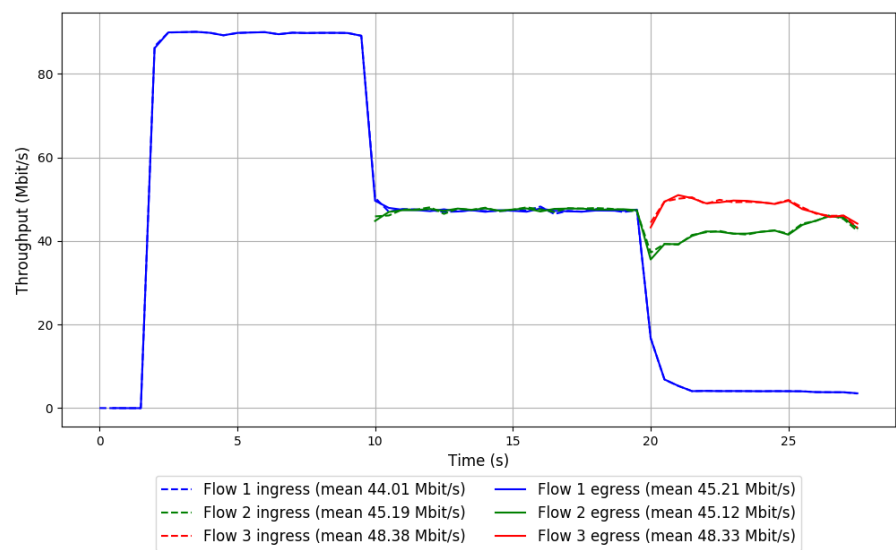


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-26 15:03:15  
End at: 2018-01-26 15:03:45  
Local clock offset: 0.263 ms  
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-01-26 17:09:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.09 Mbit/s  
95th percentile per-packet one-way delay: 10.957 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 45.21 Mbit/s  
95th percentile per-packet one-way delay: 10.644 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 45.12 Mbit/s  
95th percentile per-packet one-way delay: 11.363 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 48.33 Mbit/s  
95th percentile per-packet one-way delay: 10.232 ms  
Loss rate: 0.01%

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

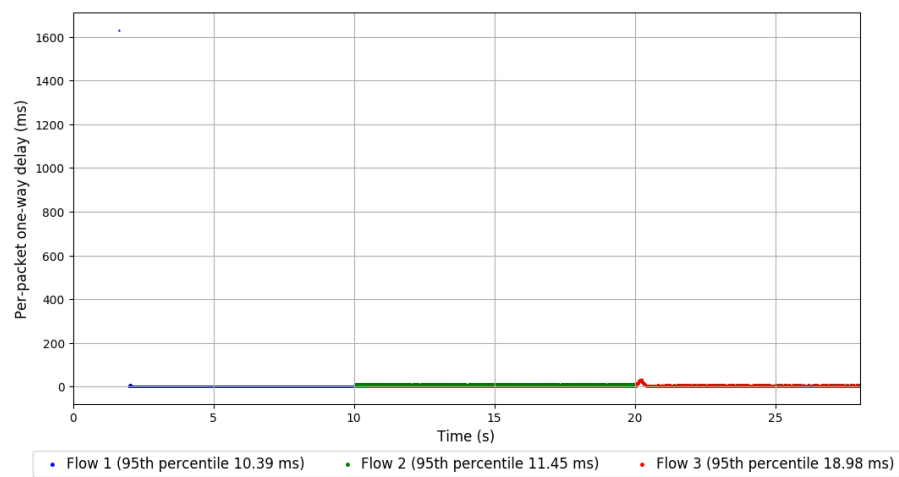
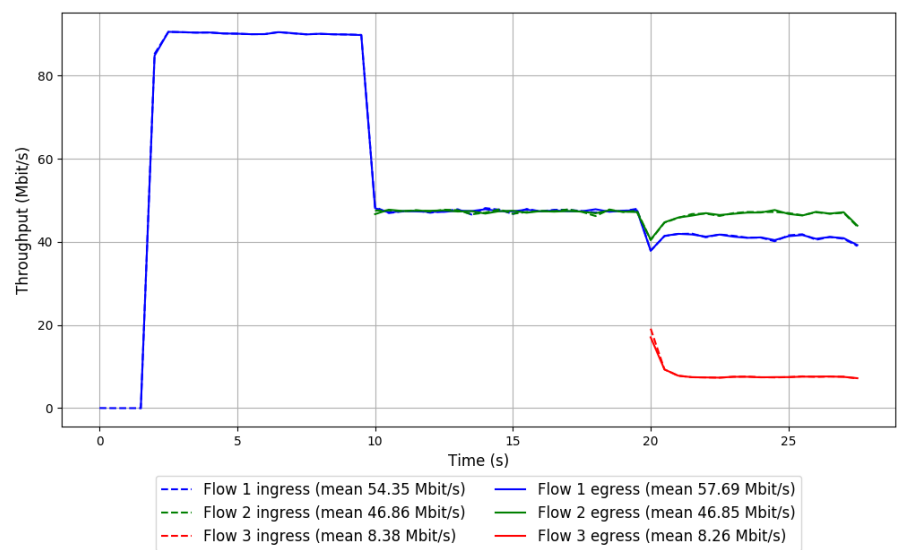


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-26 15:21:27  
End at: 2018-01-26 15:21:57  
Local clock offset: 0.186 ms  
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-01-26 17:09:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.12 Mbit/s  
95th percentile per-packet one-way delay: 10.972 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 57.69 Mbit/s  
95th percentile per-packet one-way delay: 10.392 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 46.85 Mbit/s  
95th percentile per-packet one-way delay: 11.452 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 8.26 Mbit/s  
95th percentile per-packet one-way delay: 18.984 ms  
Loss rate: 1.50%

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

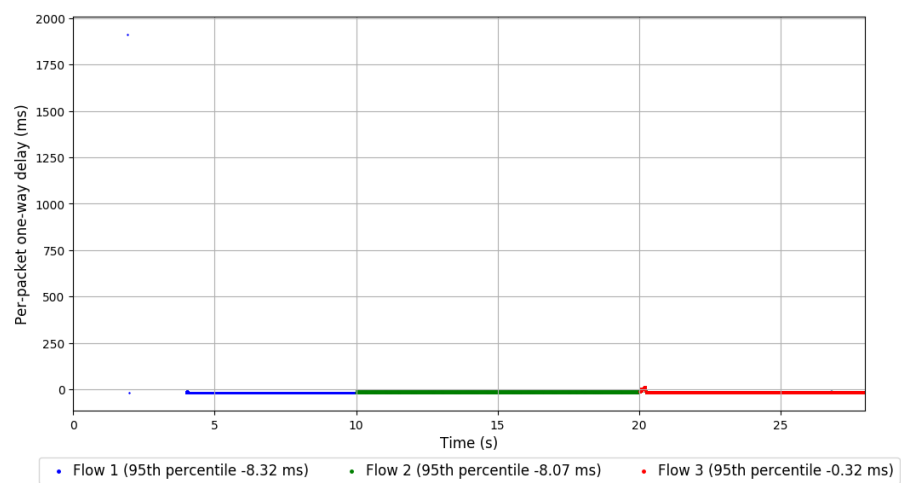
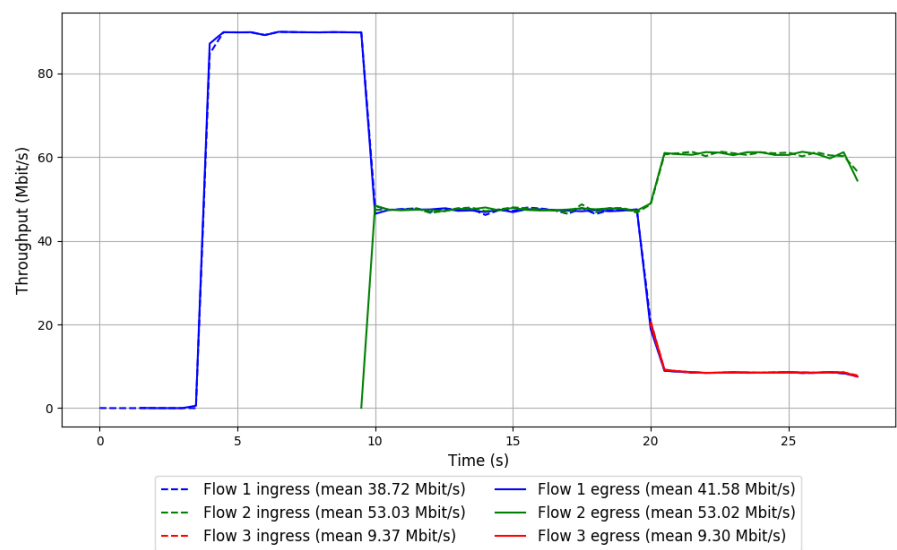


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-26 15:39:41  
End at: 2018-01-26 15:40:11  
Local clock offset: 0.259 ms  
Remote clock offset: -19.298 ms

# Below is generated by plot.py at 2018-01-26 17:09:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.96 Mbit/s  
95th percentile per-packet one-way delay: -8.158 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 41.58 Mbit/s  
95th percentile per-packet one-way delay: -8.321 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 53.02 Mbit/s  
95th percentile per-packet one-way delay: -8.073 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 9.30 Mbit/s  
95th percentile per-packet one-way delay: -0.316 ms  
Loss rate: 0.78%

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



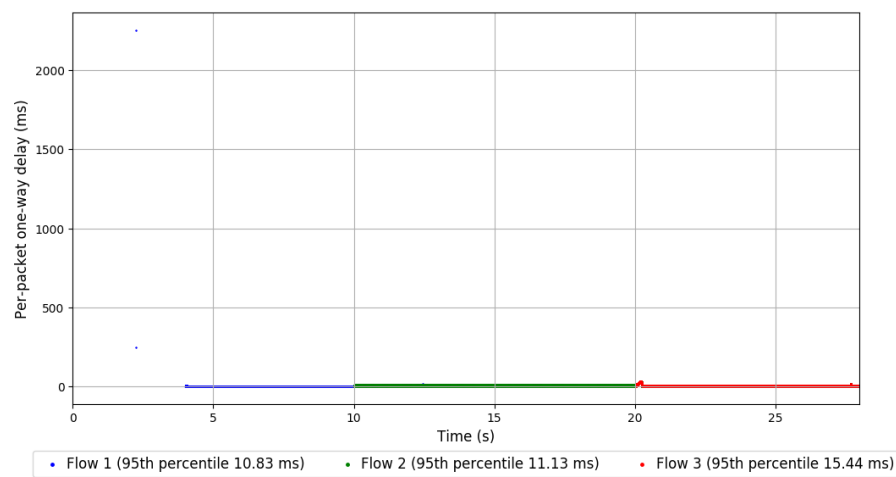
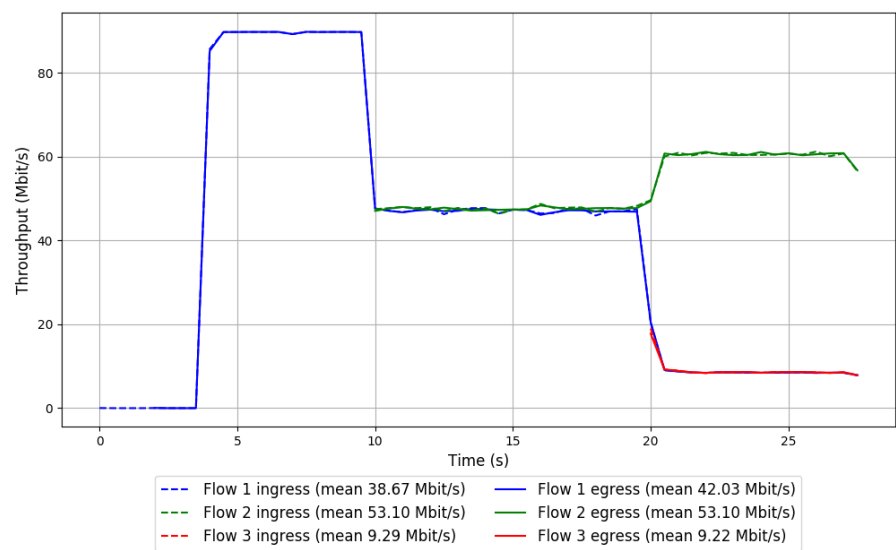
Run 8: Statistics of TaoVA-100x

Start at: 2018-01-26 15:57:54  
End at: 2018-01-26 15:58:24  
Local clock offset: 0.254 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-01-26 17:09:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.95 Mbit/s  
95th percentile per-packet one-way delay: 11.009 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 42.03 Mbit/s  
95th percentile per-packet one-way delay: 10.834 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 53.10 Mbit/s  
95th percentile per-packet one-way delay: 11.130 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 9.22 Mbit/s  
95th percentile per-packet one-way delay: 15.444 ms  
Loss rate: 0.78%



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



Run 9: Statistics of TaoVA-100x

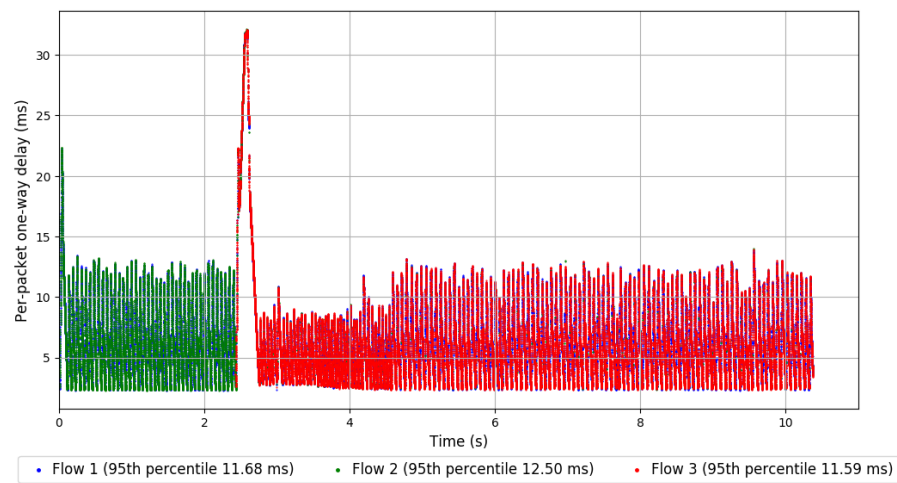
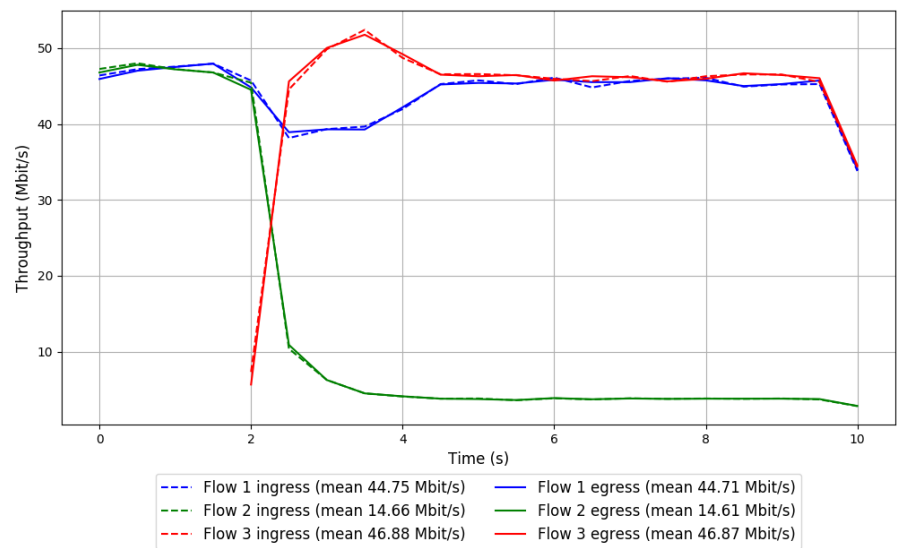
Start at: 2018-01-26 16:16:08

End at: 2018-01-26 16:16:38

Local clock offset: 0.257 ms

Remote clock offset: 0.014 ms

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

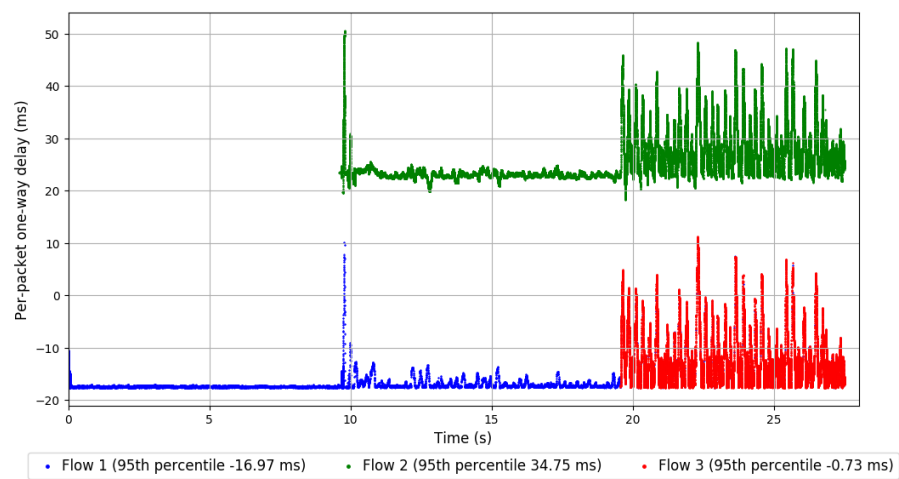
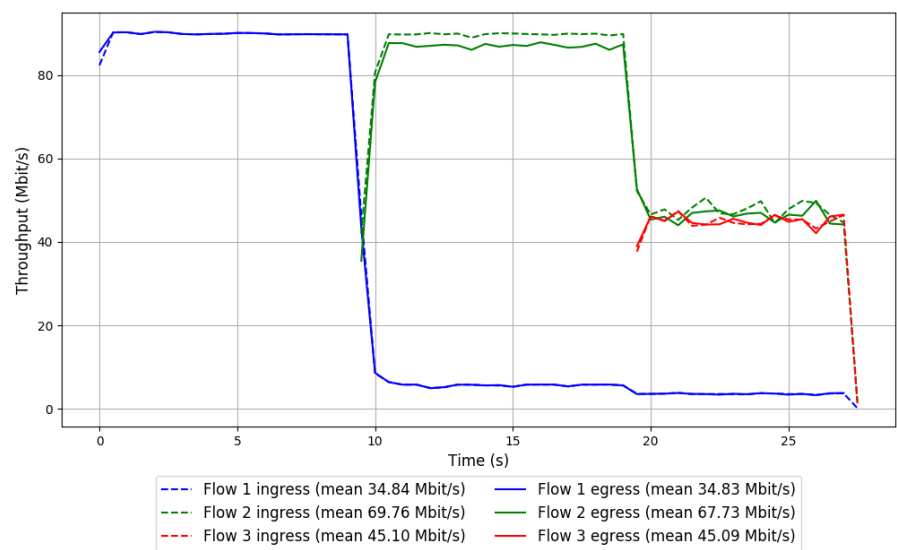


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-26 16:34:23  
End at: 2018-01-26 16:34:53  
Local clock offset: 0.229 ms  
Remote clock offset: -19.993 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.97 Mbit/s  
95th percentile per-packet one-way delay: 29.596 ms  
Loss rate: 1.53%  
-- Flow 1:  
Average throughput: 34.83 Mbit/s  
95th percentile per-packet one-way delay: -16.969 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 67.73 Mbit/s  
95th percentile per-packet one-way delay: 34.746 ms  
Loss rate: 3.13%  
-- Flow 3:  
Average throughput: 45.09 Mbit/s  
95th percentile per-packet one-way delay: -0.726 ms  
Loss rate: 0.00%

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

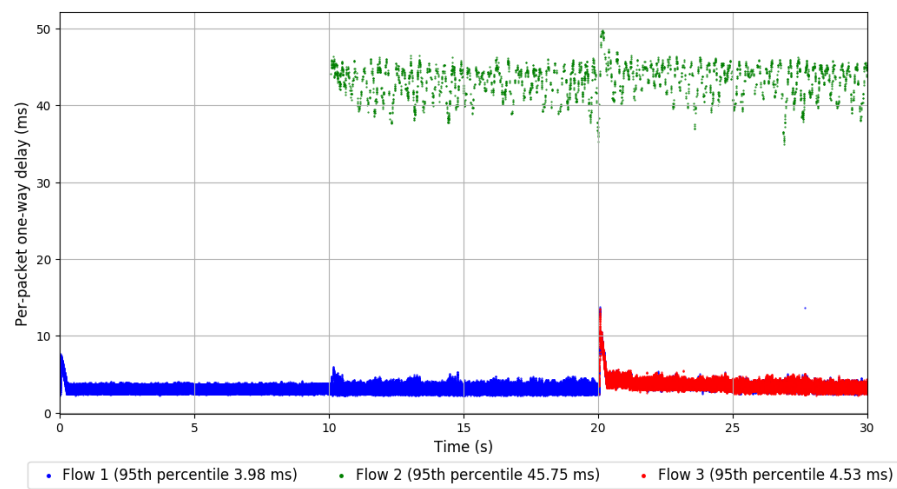
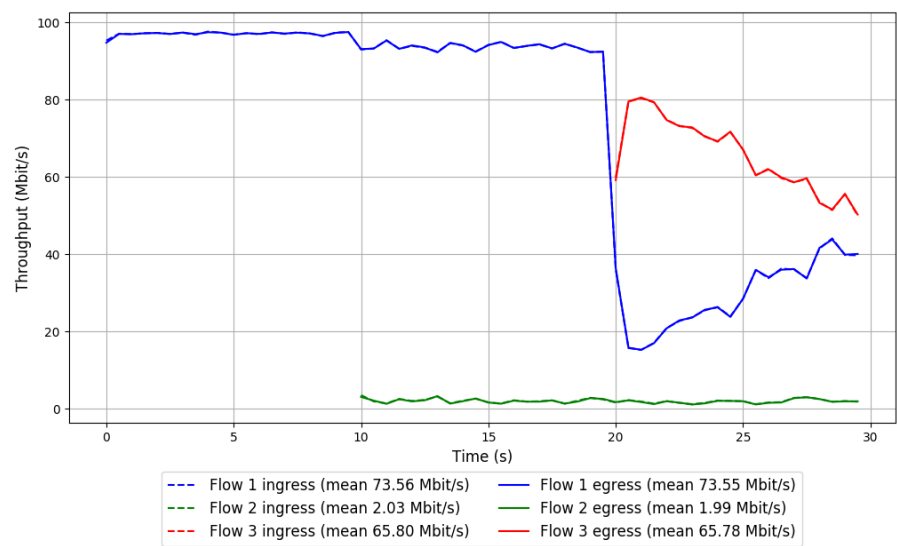


Run 1: Statistics of TCP Vegas

Start at: 2018-01-26 13:51:35  
End at: 2018-01-26 13:52:05  
Local clock offset: 0.176 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 4.289 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 73.55 Mbit/s  
95th percentile per-packet one-way delay: 3.978 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 45.750 ms  
Loss rate: 2.40%  
-- Flow 3:  
Average throughput: 65.78 Mbit/s  
95th percentile per-packet one-way delay: 4.527 ms  
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



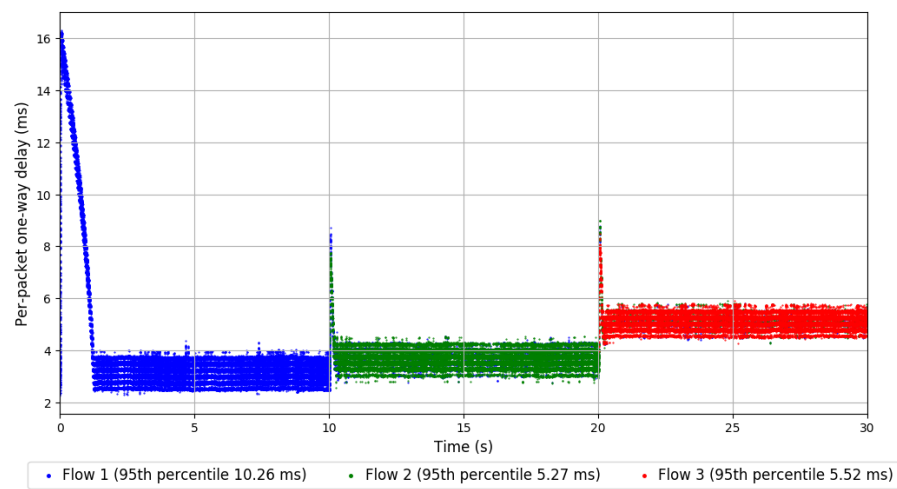
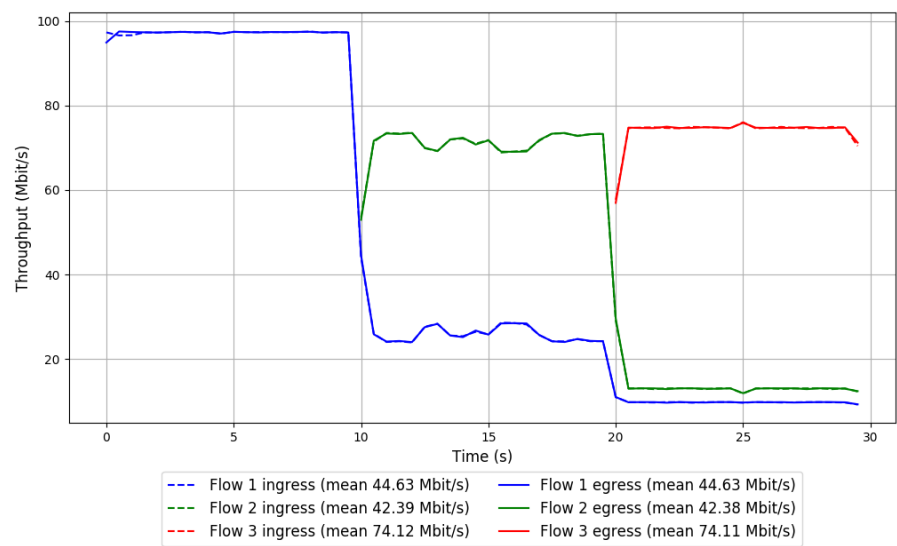
Run 2: Statistics of TCP Vegas

Start at: 2018-01-26 14:09:48  
End at: 2018-01-26 14:10:18  
Local clock offset: 0.208 ms  
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 5.539 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 44.63 Mbit/s  
95th percentile per-packet one-way delay: 10.264 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 42.38 Mbit/s  
95th percentile per-packet one-way delay: 5.273 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 74.11 Mbit/s  
95th percentile per-packet one-way delay: 5.523 ms  
Loss rate: 0.00%



Run 2: Report of TCP Vegas — Data Link

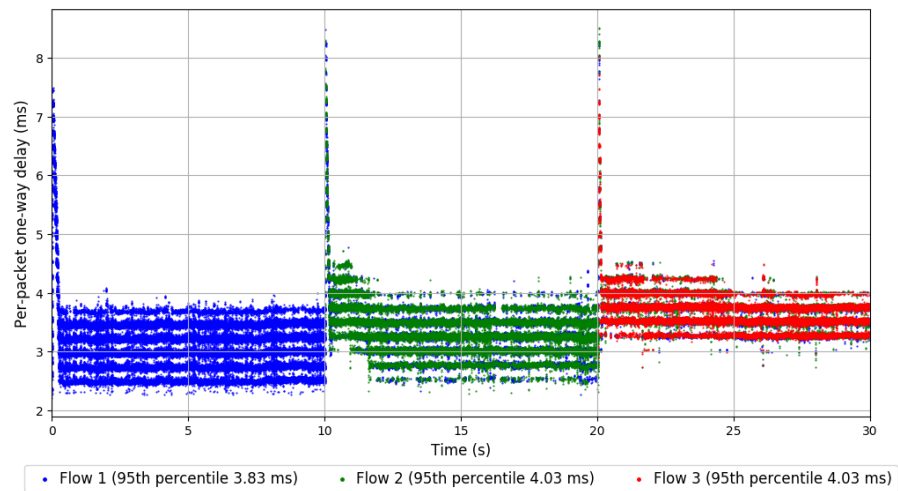
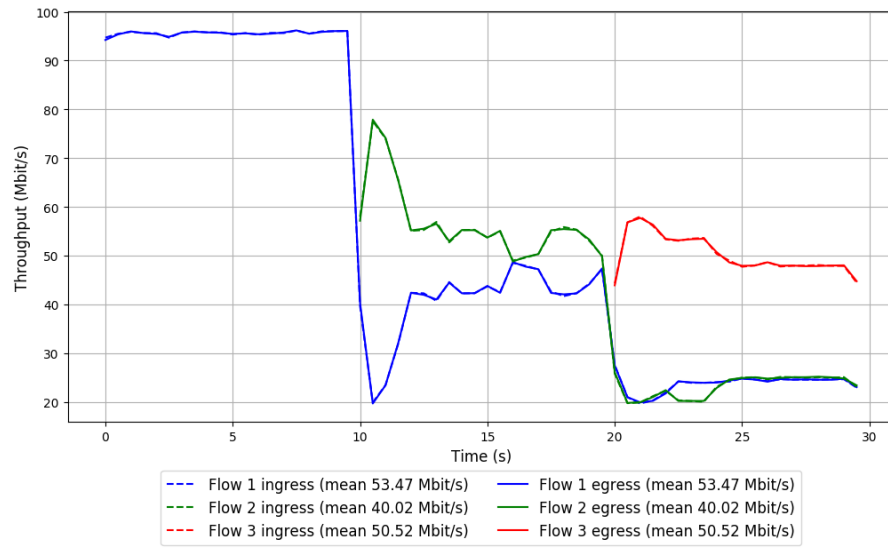


Run 3: Statistics of TCP Vegas

Start at: 2018-01-26 14:27:59  
End at: 2018-01-26 14:28:29  
Local clock offset: 0.241 ms  
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.87 Mbit/s  
95th percentile per-packet one-way delay: 4.013 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.47 Mbit/s  
95th percentile per-packet one-way delay: 3.829 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.02 Mbit/s  
95th percentile per-packet one-way delay: 4.029 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 50.52 Mbit/s  
95th percentile per-packet one-way delay: 4.032 ms  
Loss rate: 0.00%

### Run 3: Report of TCP Vegas — Data Link

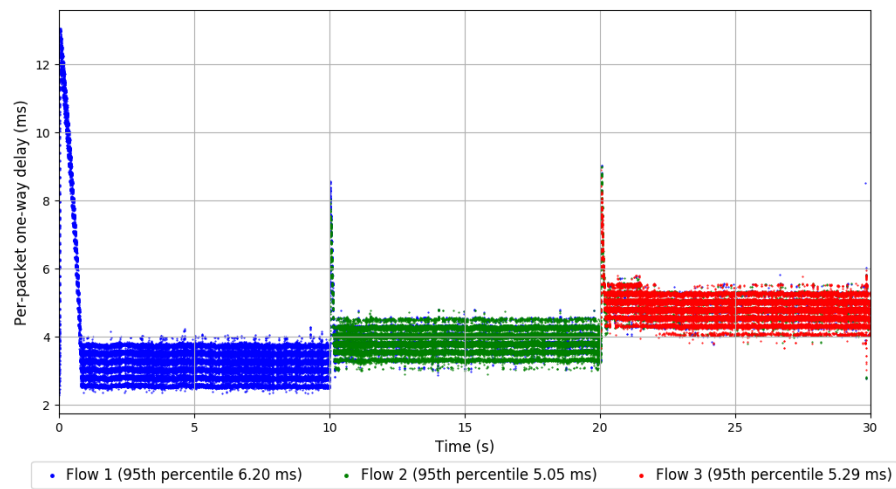
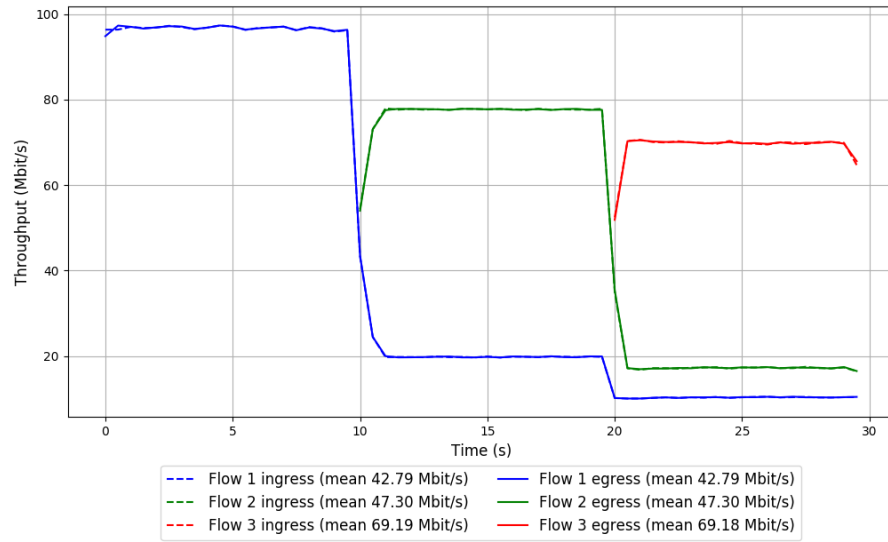


Run 4: Statistics of TCP Vegas

Start at: 2018-01-26 14:46:12  
End at: 2018-01-26 14:46:42  
Local clock offset: 0.212 ms  
Remote clock offset: -0.193 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.25 Mbit/s  
95th percentile per-packet one-way delay: 5.281 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 42.79 Mbit/s  
95th percentile per-packet one-way delay: 6.201 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.30 Mbit/s  
95th percentile per-packet one-way delay: 5.047 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 69.18 Mbit/s  
95th percentile per-packet one-way delay: 5.293 ms  
Loss rate: 0.00%

#### Run 4: Report of TCP Vegas — Data Link

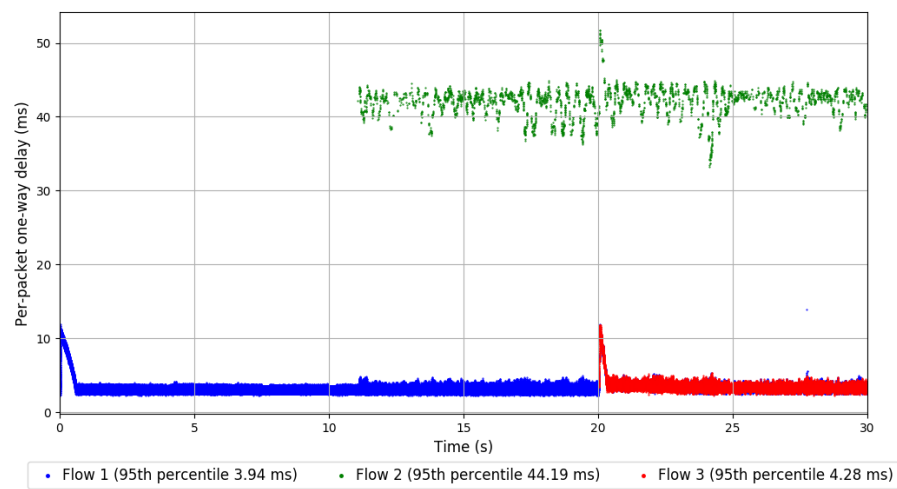
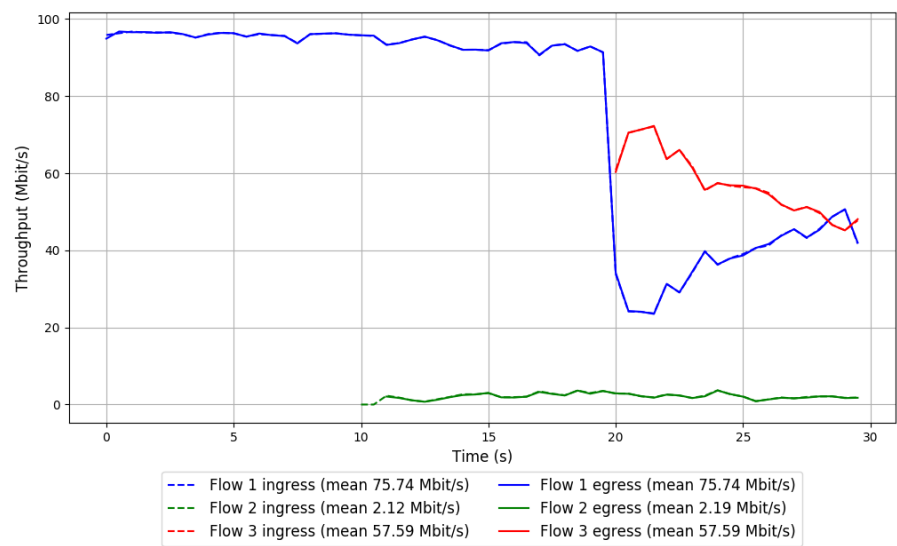


Run 5: Statistics of TCP Vegas

Start at: 2018-01-26 15:04:26  
End at: 2018-01-26 15:04:56  
Local clock offset: 0.27 ms  
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.24 Mbit/s  
95th percentile per-packet one-way delay: 4.242 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 75.74 Mbit/s  
95th percentile per-packet one-way delay: 3.942 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 44.188 ms  
Loss rate: 2.24%  
-- Flow 3:  
Average throughput: 57.59 Mbit/s  
95th percentile per-packet one-way delay: 4.283 ms  
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



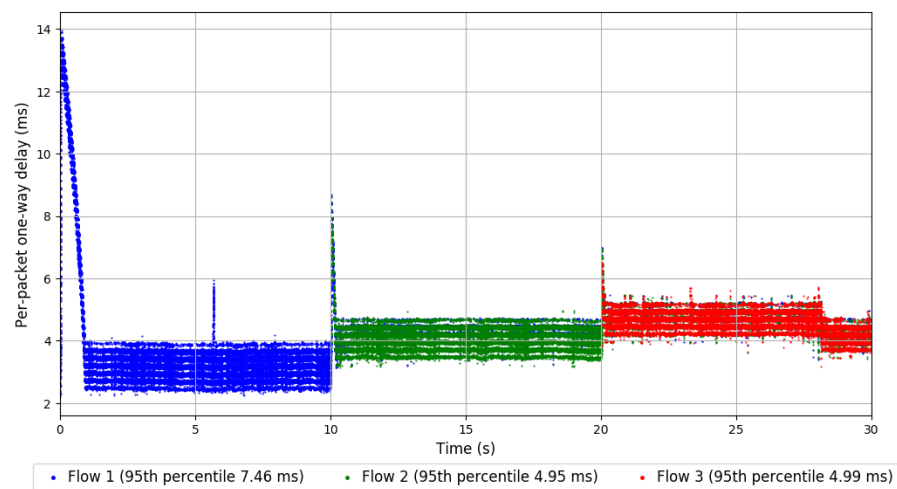
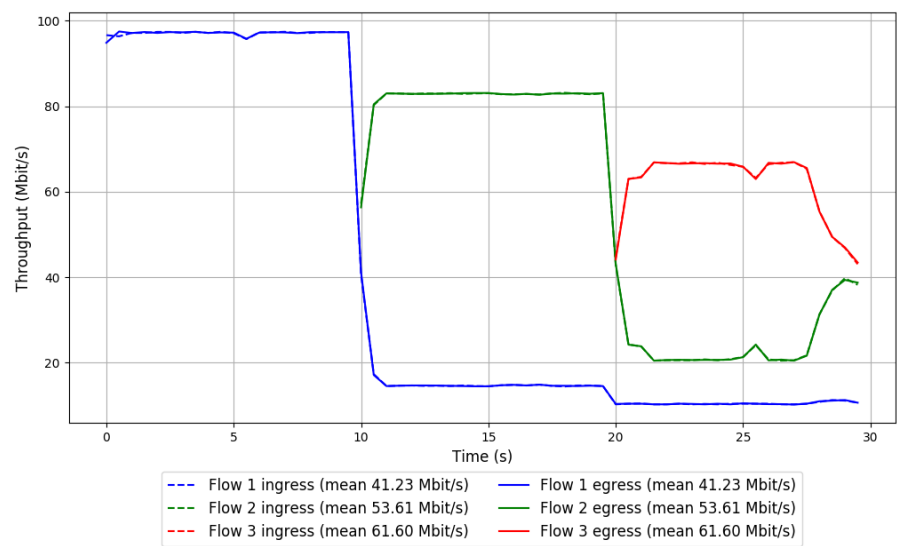
Run 6: Statistics of TCP Vegas

Start at: 2018-01-26 15:22:38  
End at: 2018-01-26 15:23:08  
Local clock offset: 0.256 ms  
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 4.991 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 41.23 Mbit/s  
95th percentile per-packet one-way delay: 7.465 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 53.61 Mbit/s  
95th percentile per-packet one-way delay: 4.950 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 61.60 Mbit/s  
95th percentile per-packet one-way delay: 4.986 ms  
Loss rate: 0.00%



Run 6: Report of TCP Vegas — Data Link

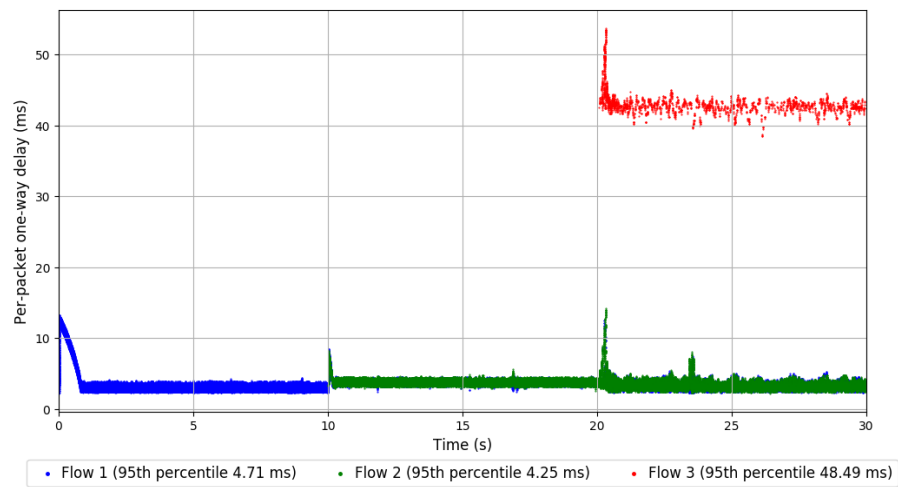
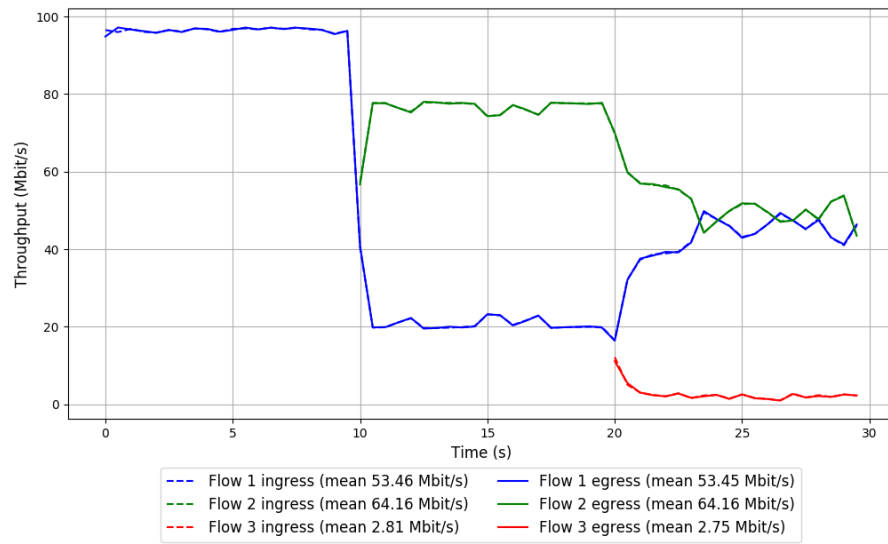


Run 7: Statistics of TCP Vegas

Start at: 2018-01-26 15:40:51  
End at: 2018-01-26 15:41:21  
Local clock offset: 0.268 ms  
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-01-26 17:11:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 4.457 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 53.45 Mbit/s  
95th percentile per-packet one-way delay: 4.712 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 64.16 Mbit/s  
95th percentile per-packet one-way delay: 4.245 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 2.75 Mbit/s  
95th percentile per-packet one-way delay: 48.487 ms  
Loss rate: 2.58%

## Run 7: Report of TCP Vegas — Data Link

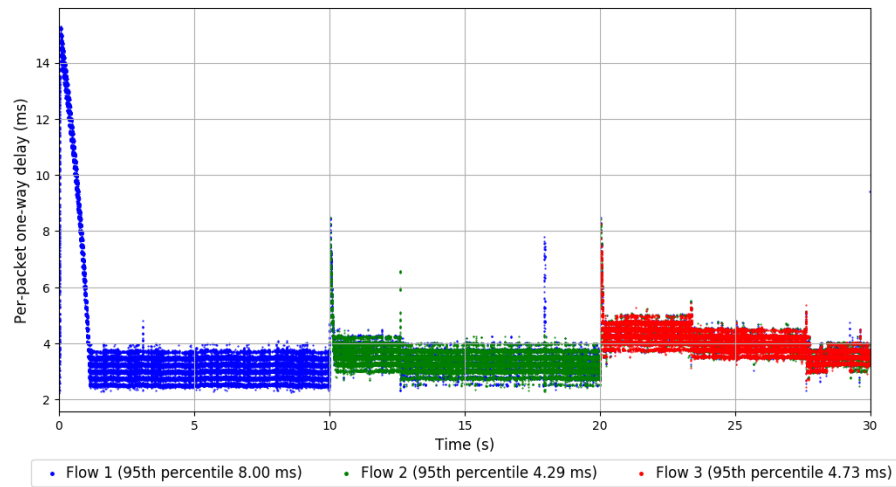
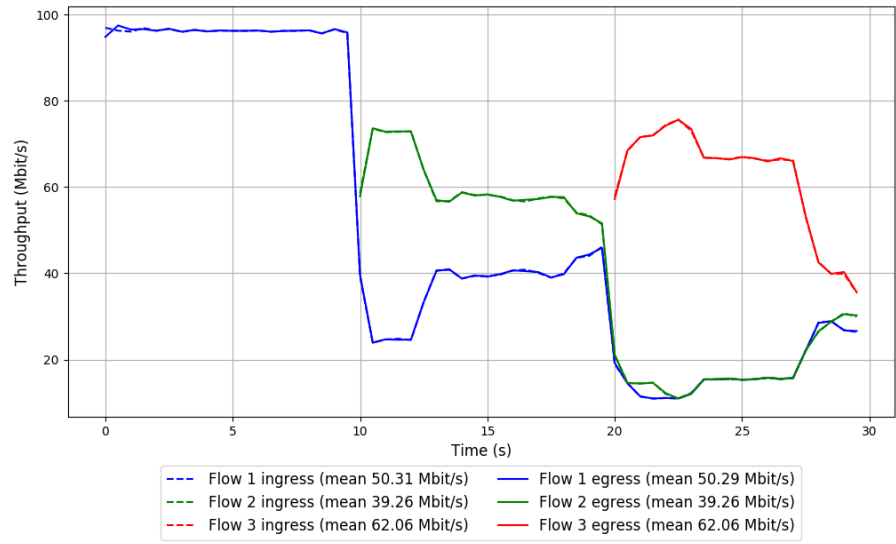


Run 8: Statistics of TCP Vegas

Start at: 2018-01-26 15:59:04  
End at: 2018-01-26 15:59:34  
Local clock offset: 0.251 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-01-26 17:11:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.06 Mbit/s  
95th percentile per-packet one-way delay: 4.749 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.29 Mbit/s  
95th percentile per-packet one-way delay: 7.997 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.26 Mbit/s  
95th percentile per-packet one-way delay: 4.285 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.06 Mbit/s  
95th percentile per-packet one-way delay: 4.728 ms  
Loss rate: 0.00%

# Run 8: Report of TCP Vegas — Data Link

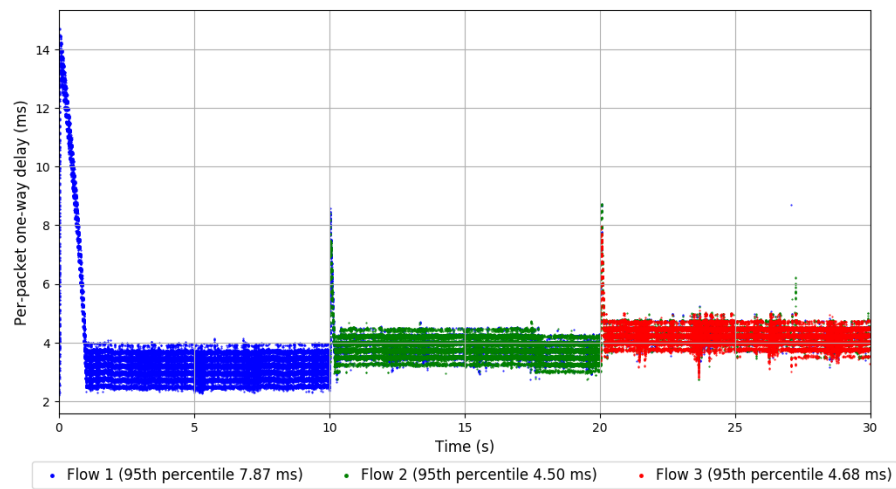
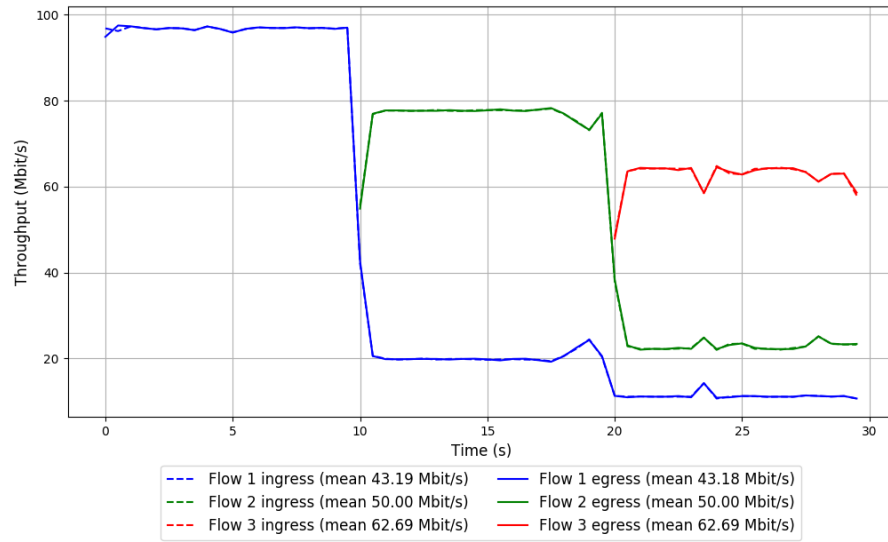


Run 9: Statistics of TCP Vegas

Start at: 2018-01-26 16:17:15  
End at: 2018-01-26 16:17:45  
Local clock offset: 0.255 ms  
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-01-26 17:11:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.29 Mbit/s  
95th percentile per-packet one-way delay: 4.705 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 43.18 Mbit/s  
95th percentile per-packet one-way delay: 7.867 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.00 Mbit/s  
95th percentile per-packet one-way delay: 4.496 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.69 Mbit/s  
95th percentile per-packet one-way delay: 4.676 ms  
Loss rate: 0.00%

# Run 9: Report of TCP Vegas — Data Link



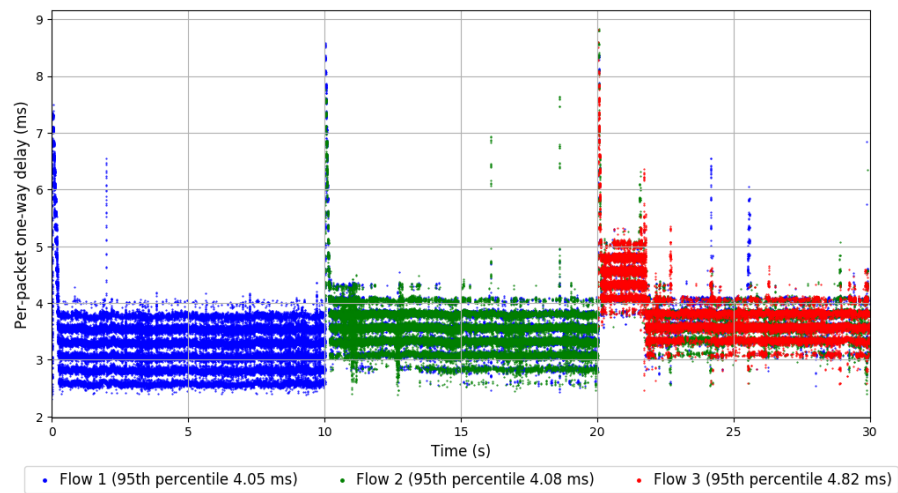
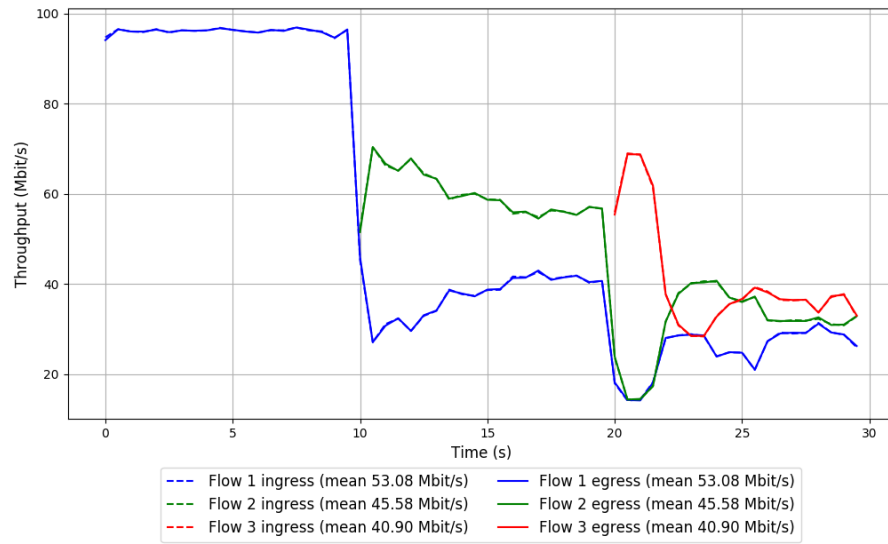
Run 10: Statistics of TCP Vegas

Start at: 2018-01-26 16:35:34  
End at: 2018-01-26 16:36:04  
Local clock offset: 0.186 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-01-26 17:11:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.02 Mbit/s  
95th percentile per-packet one-way delay: 4.355 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.08 Mbit/s  
95th percentile per-packet one-way delay: 4.046 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.58 Mbit/s  
95th percentile per-packet one-way delay: 4.080 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 40.90 Mbit/s  
95th percentile per-packet one-way delay: 4.819 ms  
Loss rate: 0.00%



# Run 10: Report of TCP Vegas — Data Link

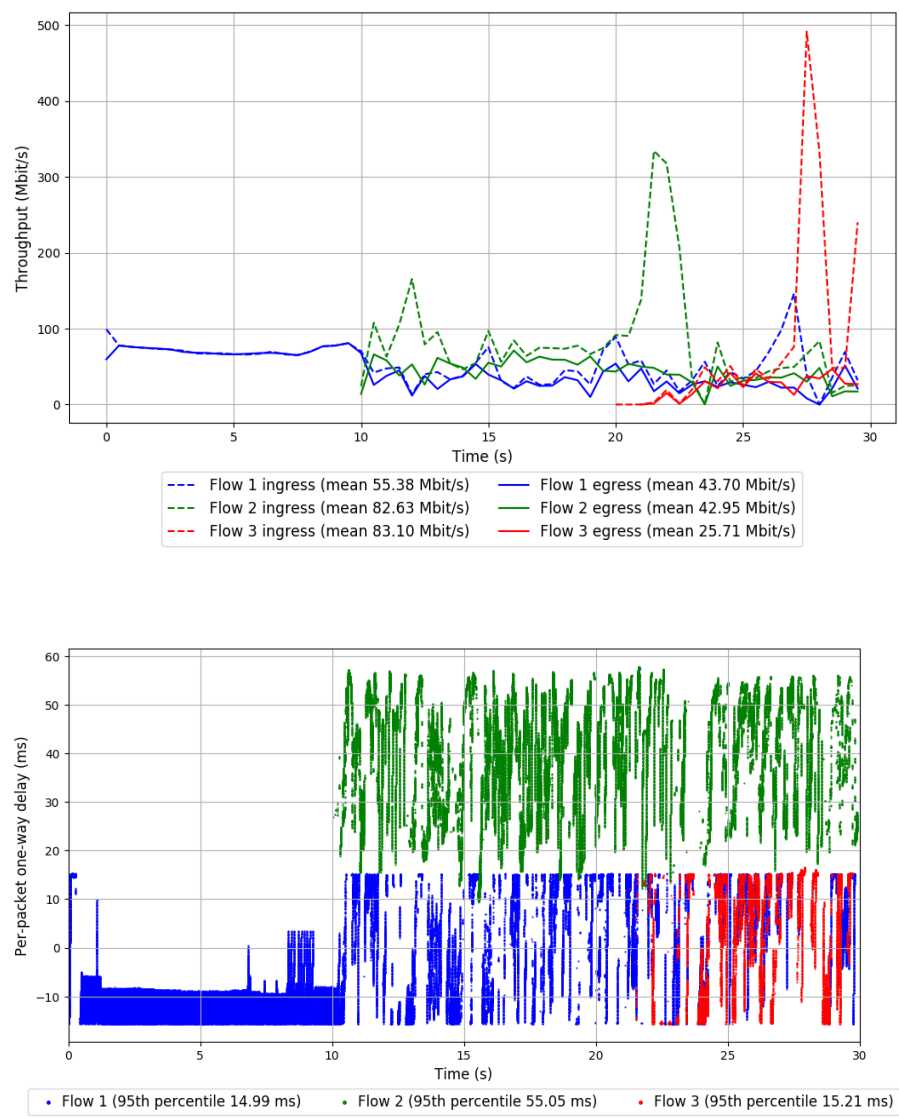


Run 1: Statistics of Verus

Start at: 2018-01-26 13:49:14  
End at: 2018-01-26 13:49:44  
Local clock offset: 0.104 ms  
Remote clock offset: -18.039 ms

# Below is generated by plot.py at 2018-01-26 17:12:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.29 Mbit/s  
95th percentile per-packet one-way delay: 52.447 ms  
Loss rate: 41.82%  
-- Flow 1:  
Average throughput: 43.70 Mbit/s  
95th percentile per-packet one-way delay: 14.986 ms  
Loss rate: 21.01%  
-- Flow 2:  
Average throughput: 42.95 Mbit/s  
95th percentile per-packet one-way delay: 55.049 ms  
Loss rate: 48.13%  
-- Flow 3:  
Average throughput: 25.71 Mbit/s  
95th percentile per-packet one-way delay: 15.208 ms  
Loss rate: 72.32%

Run 1: Report of Verus — Data Link

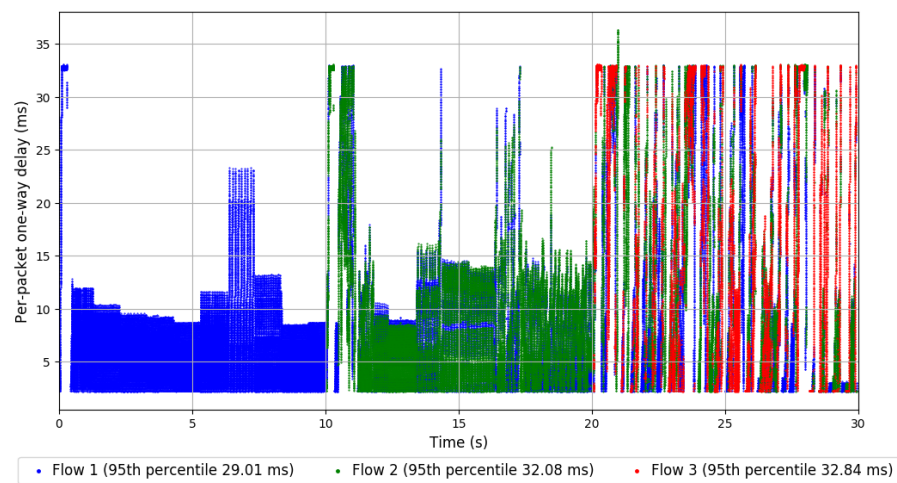
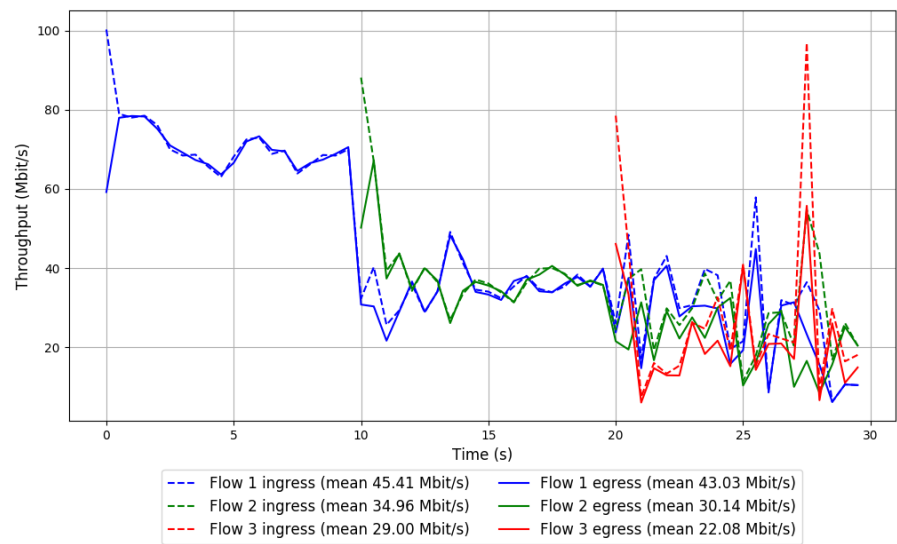


Run 2: Statistics of Verus

Start at: 2018-01-26 14:07:28  
End at: 2018-01-26 14:07:58  
Local clock offset: 0.189 ms  
Remote clock offset: -0.204 ms

# Below is generated by plot.py at 2018-01-26 17:12:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.36 Mbit/s  
95th percentile per-packet one-way delay: 32.033 ms  
Loss rate: 10.04%  
-- Flow 1:  
Average throughput: 43.03 Mbit/s  
95th percentile per-packet one-way delay: 29.012 ms  
Loss rate: 5.23%  
-- Flow 2:  
Average throughput: 30.14 Mbit/s  
95th percentile per-packet one-way delay: 32.080 ms  
Loss rate: 13.79%  
-- Flow 3:  
Average throughput: 22.08 Mbit/s  
95th percentile per-packet one-way delay: 32.840 ms  
Loss rate: 23.79%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-01-26 14:25:39

End at: 2018-01-26 14:26:09

Local clock offset: 0.239 ms

Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2018-01-26 17:12:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 70.951 ms

Loss rate: 22.91%

-- Flow 1:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 32.507 ms

Loss rate: 16.13%

-- Flow 2:

Average throughput: 42.56 Mbit/s

95th percentile per-packet one-way delay: 73.047 ms

Loss rate: 27.70%

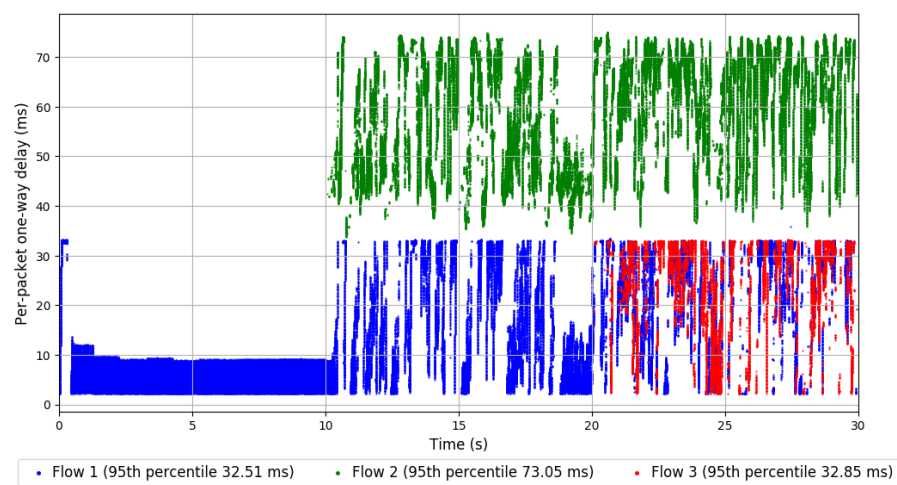
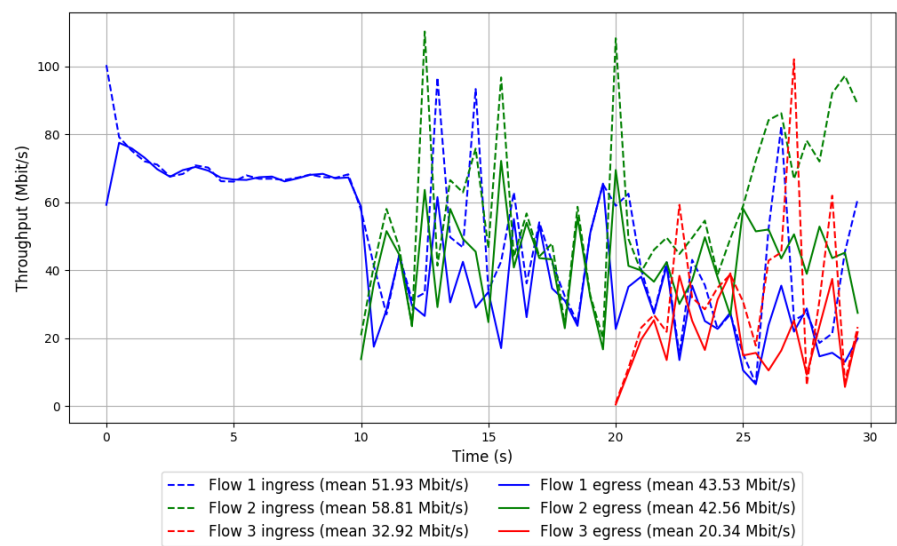
-- Flow 3:

Average throughput: 20.34 Mbit/s

95th percentile per-packet one-way delay: 32.848 ms

Loss rate: 38.15%

Run 3: Report of Verus — Data Link



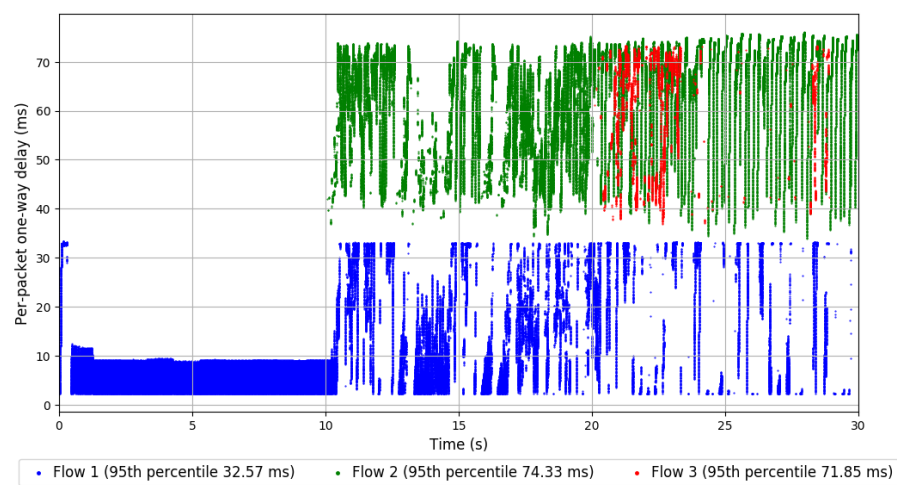
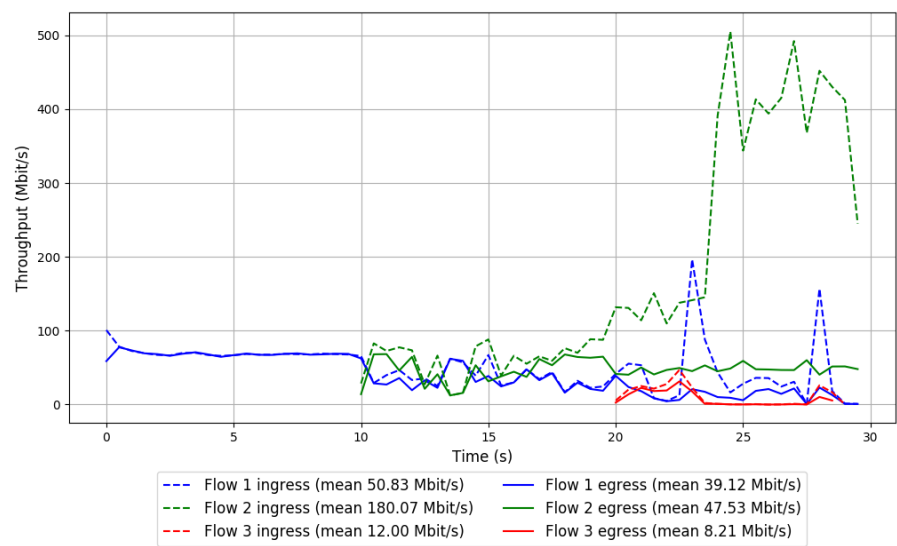
Run 4: Statistics of Verus

Start at: 2018-01-26 14:43:51  
End at: 2018-01-26 14:44:21  
Local clock offset: 0.258 ms  
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2018-01-26 17:12:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.81 Mbit/s  
95th percentile per-packet one-way delay: 73.008 ms  
Loss rate: 58.11%  
-- Flow 1:  
Average throughput: 39.12 Mbit/s  
95th percentile per-packet one-way delay: 32.567 ms  
Loss rate: 23.51%  
-- Flow 2:  
Average throughput: 47.53 Mbit/s  
95th percentile per-packet one-way delay: 74.330 ms  
Loss rate: 73.56%  
-- Flow 3:  
Average throughput: 8.21 Mbit/s  
95th percentile per-packet one-way delay: 71.851 ms  
Loss rate: 33.75%



Run 4: Report of Verus — Data Link

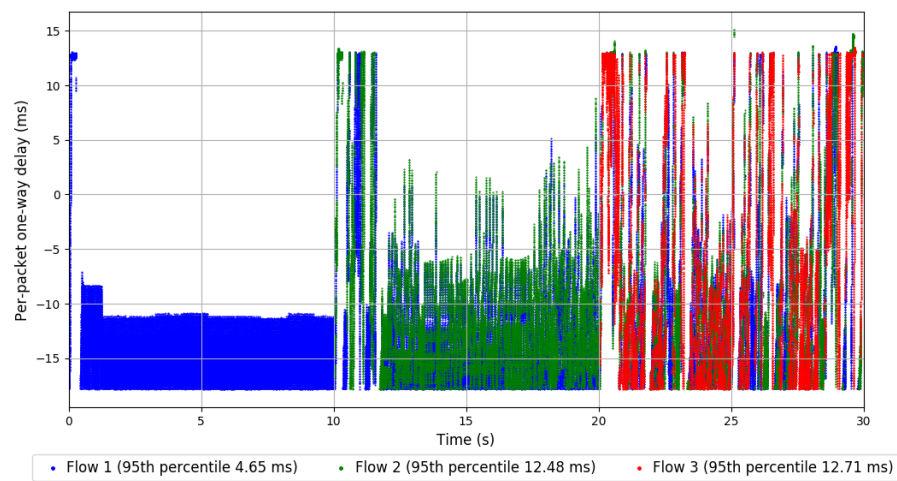
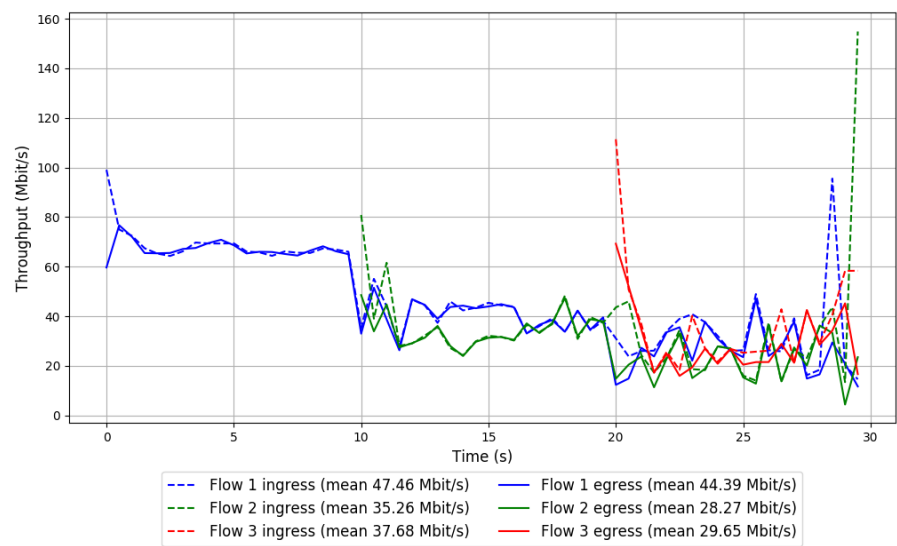


Run 5: Statistics of Verus

Start at: 2018-01-26 15:02:06  
End at: 2018-01-26 15:02:36  
Local clock offset: 0.264 ms  
Remote clock offset: -20.225 ms

# Below is generated by plot.py at 2018-01-26 17:12:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.02 Mbit/s  
95th percentile per-packet one-way delay: 11.034 ms  
Loss rate: 12.32%  
-- Flow 1:  
Average throughput: 44.39 Mbit/s  
95th percentile per-packet one-way delay: 4.647 ms  
Loss rate: 6.39%  
-- Flow 2:  
Average throughput: 28.27 Mbit/s  
95th percentile per-packet one-way delay: 12.480 ms  
Loss rate: 19.69%  
-- Flow 3:  
Average throughput: 29.65 Mbit/s  
95th percentile per-packet one-way delay: 12.713 ms  
Loss rate: 21.08%

Run 5: Report of Verus — Data Link

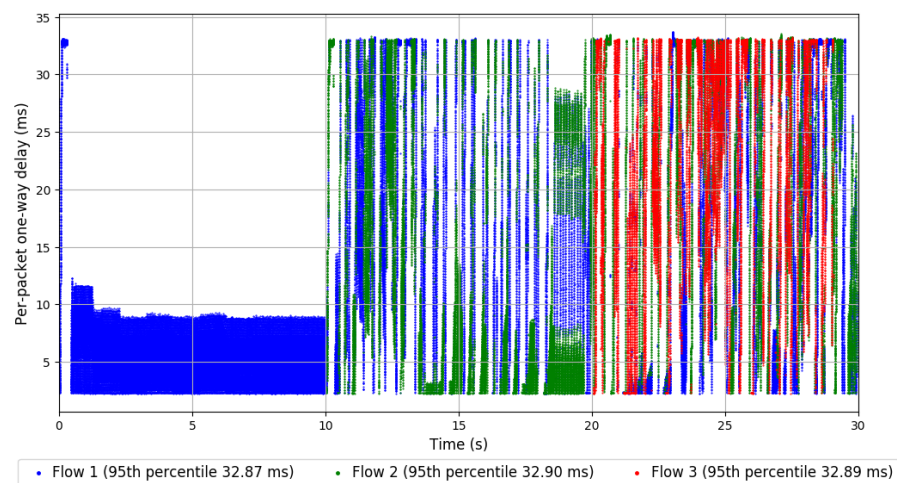
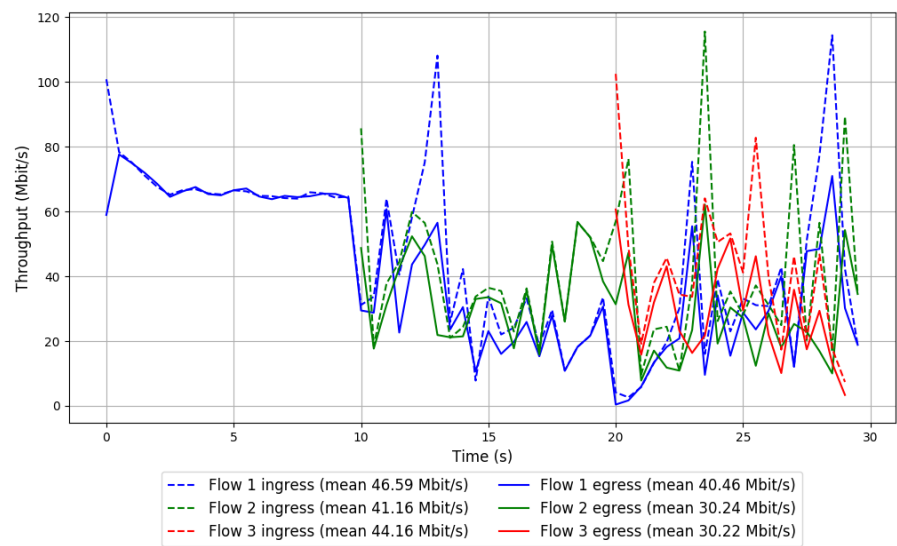


Run 6: Statistics of Verus

Start at: 2018-01-26 15:20:19  
End at: 2018-01-26 15:20:49  
Local clock offset: 0.255 ms  
Remote clock offset: -0.104 ms

# Below is generated by plot.py at 2018-01-26 17:12:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 69.67 Mbit/s  
95th percentile per-packet one-way delay: 32.883 ms  
Loss rate: 20.34%  
-- Flow 1:  
Average throughput: 40.46 Mbit/s  
95th percentile per-packet one-way delay: 32.866 ms  
Loss rate: 13.14%  
-- Flow 2:  
Average throughput: 30.24 Mbit/s  
95th percentile per-packet one-way delay: 32.903 ms  
Loss rate: 26.50%  
-- Flow 3:  
Average throughput: 30.22 Mbit/s  
95th percentile per-packet one-way delay: 32.889 ms  
Loss rate: 32.72%

Run 6: Report of Verus — Data Link

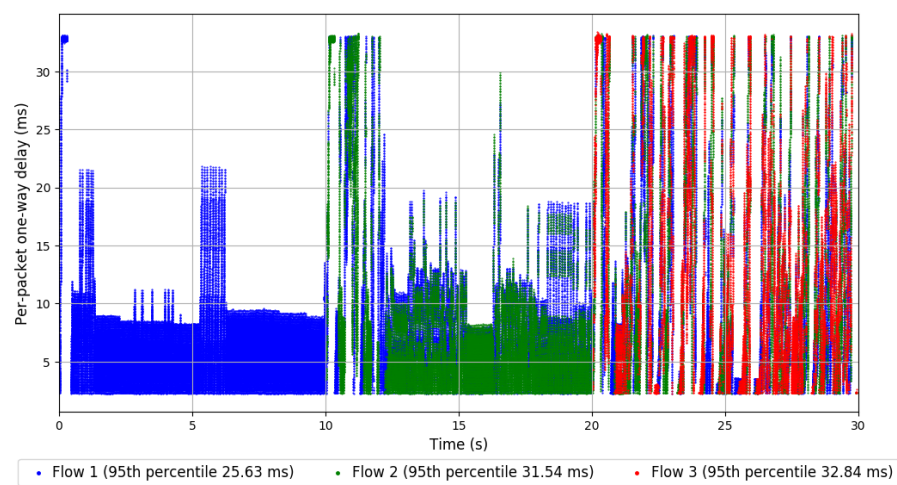
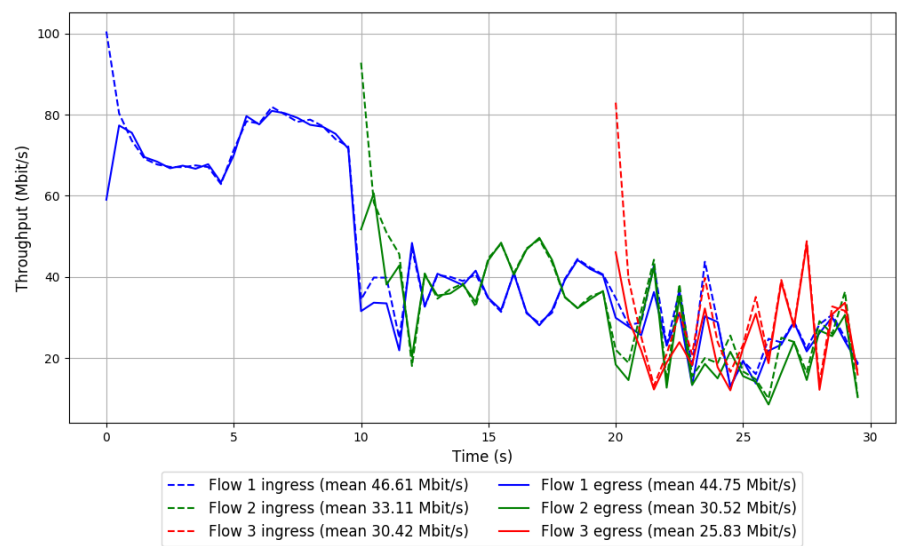


Run 7: Statistics of Verus

Start at: 2018-01-26 15:38:32  
End at: 2018-01-26 15:39:02  
Local clock offset: 0.261 ms  
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-01-26 17:12:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.36 Mbit/s  
95th percentile per-packet one-way delay: 30.598 ms  
Loss rate: 6.43%  
-- Flow 1:  
Average throughput: 44.75 Mbit/s  
95th percentile per-packet one-way delay: 25.627 ms  
Loss rate: 3.89%  
-- Flow 2:  
Average throughput: 30.52 Mbit/s  
95th percentile per-packet one-way delay: 31.535 ms  
Loss rate: 7.81%  
-- Flow 3:  
Average throughput: 25.83 Mbit/s  
95th percentile per-packet one-way delay: 32.841 ms  
Loss rate: 15.12%

Run 7: Report of Verus — Data Link



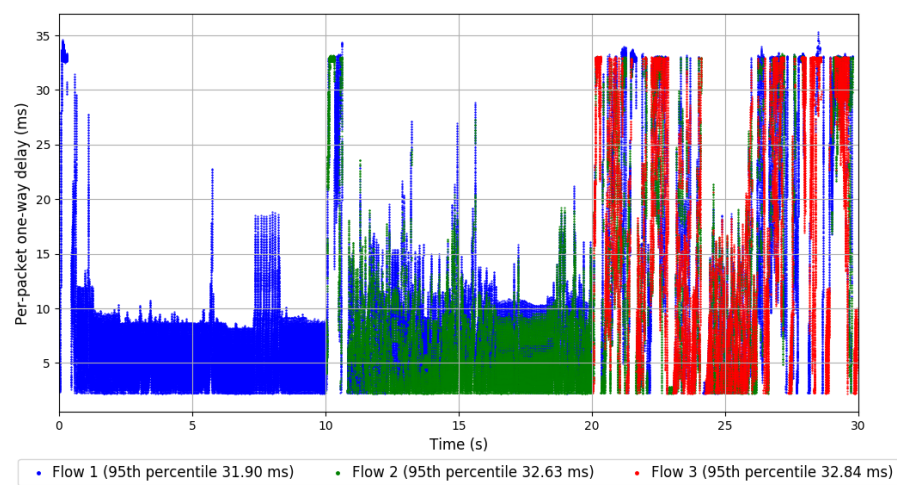
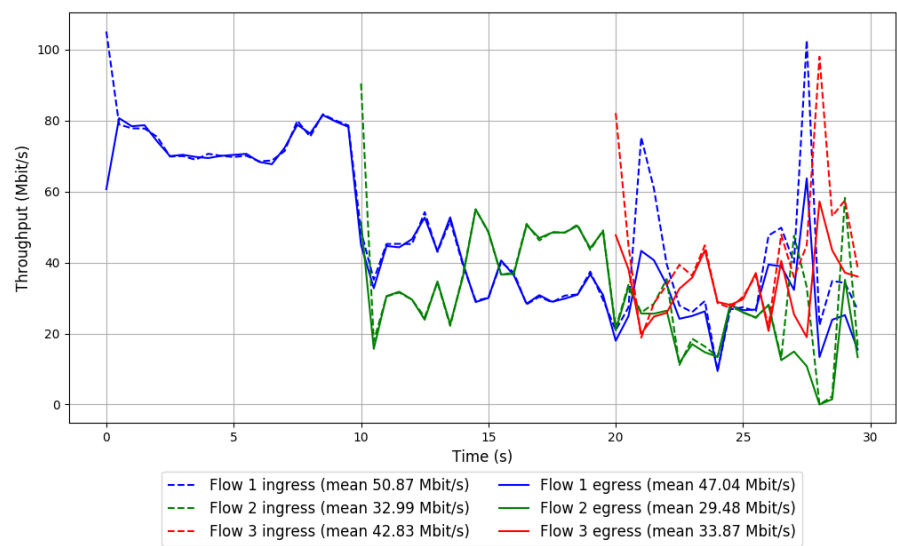
Run 8: Statistics of Verus

Start at: 2018-01-26 15:56:45  
End at: 2018-01-26 15:57:15  
Local clock offset: 0.237 ms  
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-01-26 17:13:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.62 Mbit/s  
95th percentile per-packet one-way delay: 32.655 ms  
Loss rate: 10.45%  
-- Flow 1:  
Average throughput: 47.04 Mbit/s  
95th percentile per-packet one-way delay: 31.902 ms  
Loss rate: 7.45%  
-- Flow 2:  
Average throughput: 29.48 Mbit/s  
95th percentile per-packet one-way delay: 32.626 ms  
Loss rate: 10.61%  
-- Flow 3:  
Average throughput: 33.87 Mbit/s  
95th percentile per-packet one-way delay: 32.845 ms  
Loss rate: 20.88%



Run 8: Report of Verus — Data Link

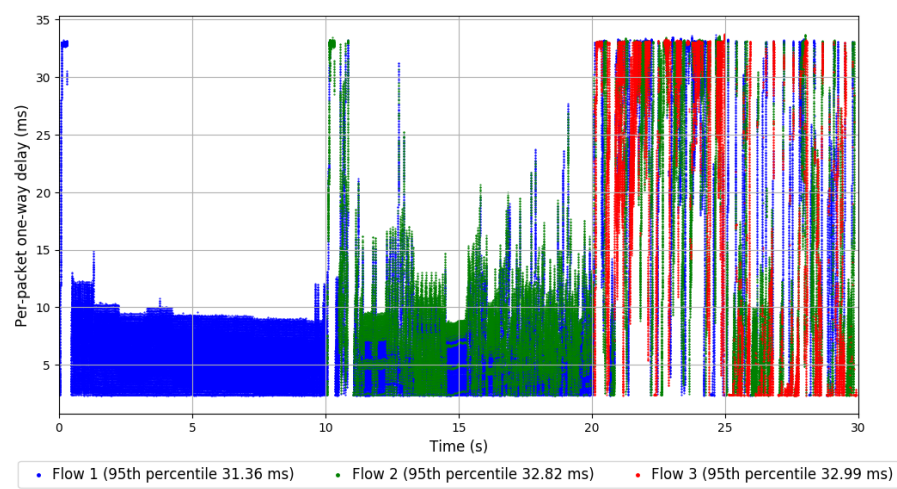
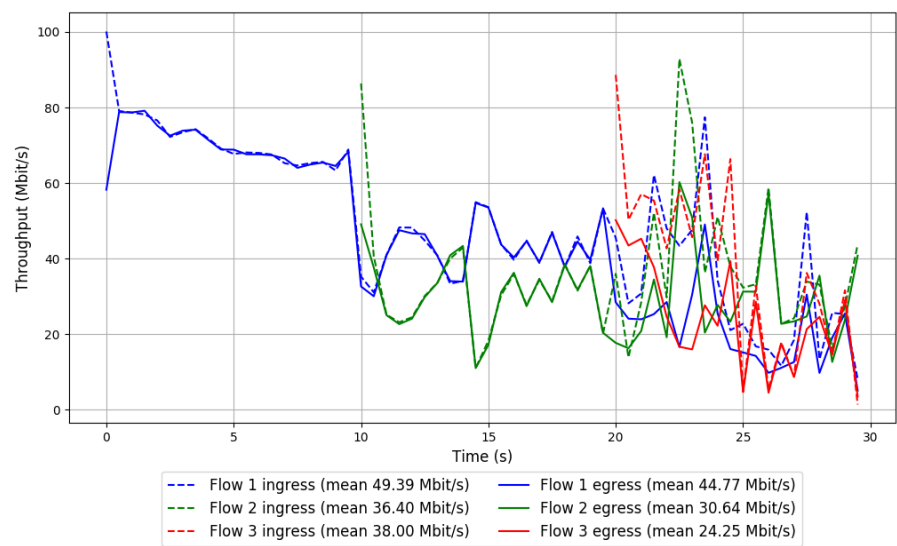


Run 9: Statistics of Verus

Start at: 2018-01-26 16:14:59  
End at: 2018-01-26 16:15:29  
Local clock offset: 0.17 ms  
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-01-26 17:13:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.89 Mbit/s  
95th percentile per-packet one-way delay: 32.758 ms  
Loss rate: 15.05%  
-- Flow 1:  
Average throughput: 44.77 Mbit/s  
95th percentile per-packet one-way delay: 31.363 ms  
Loss rate: 9.32%  
-- Flow 2:  
Average throughput: 30.64 Mbit/s  
95th percentile per-packet one-way delay: 32.819 ms  
Loss rate: 15.68%  
-- Flow 3:  
Average throughput: 24.25 Mbit/s  
95th percentile per-packet one-way delay: 32.986 ms  
Loss rate: 36.25%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-01-26 16:33:13

End at: 2018-01-26 16:33:43

Local clock offset: 0.235 ms

Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-01-26 17:13:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.82 Mbit/s

95th percentile per-packet one-way delay: 73.690 ms

Loss rate: 51.56%

-- Flow 1:

Average throughput: 46.83 Mbit/s

95th percentile per-packet one-way delay: 32.763 ms

Loss rate: 15.81%

-- Flow 2:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 74.950 ms

Loss rate: 74.88%

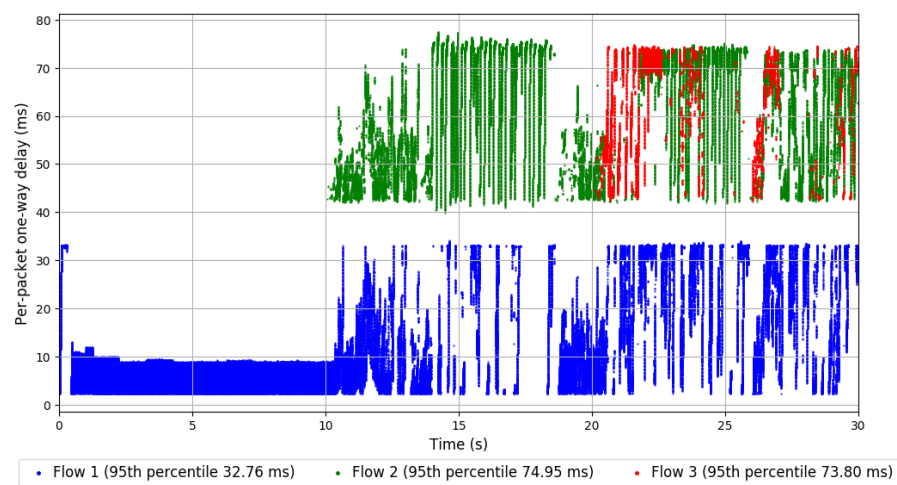
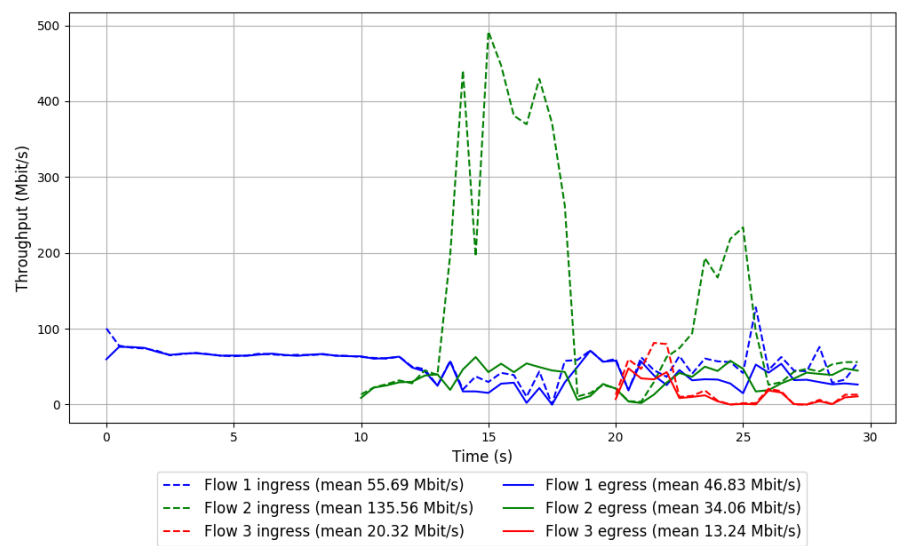
-- Flow 3:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 73.804 ms

Loss rate: 34.65%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-26 13:38:59

End at: 2018-01-26 13:39:29

Local clock offset: 0.174 ms

Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-01-26 17:14:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 29.554 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 61.86 Mbit/s

95th percentile per-packet one-way delay: 24.764 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.25 Mbit/s

95th percentile per-packet one-way delay: 28.276 ms

Loss rate: 0.00%

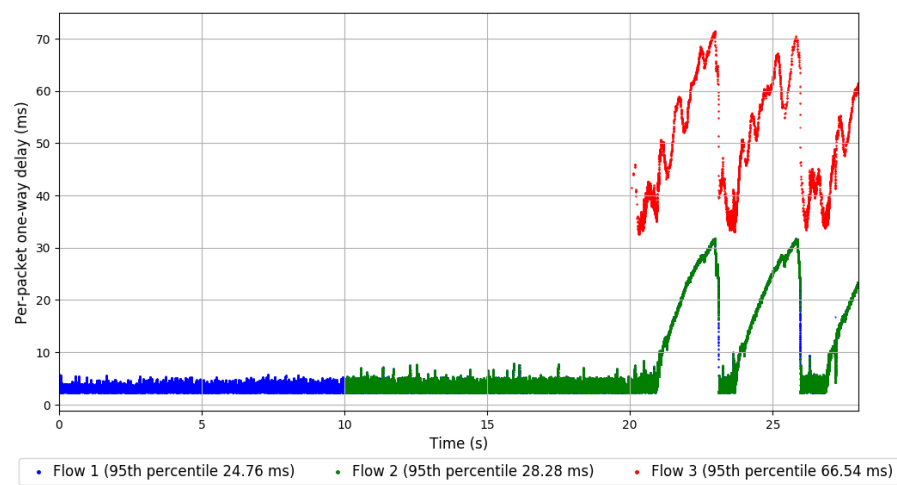
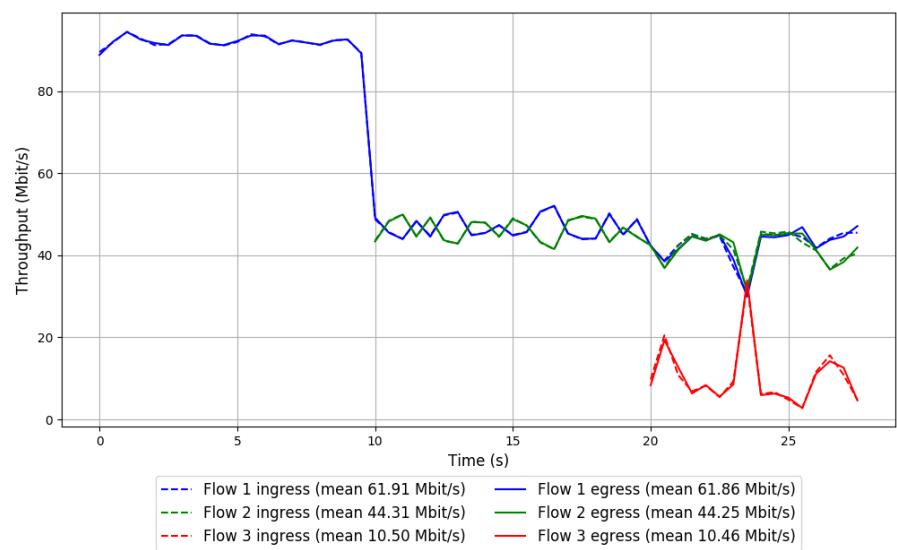
-- Flow 3:

Average throughput: 10.46 Mbit/s

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

Loss rate: 0.55%

Run 1: Report of Copa — Data Link



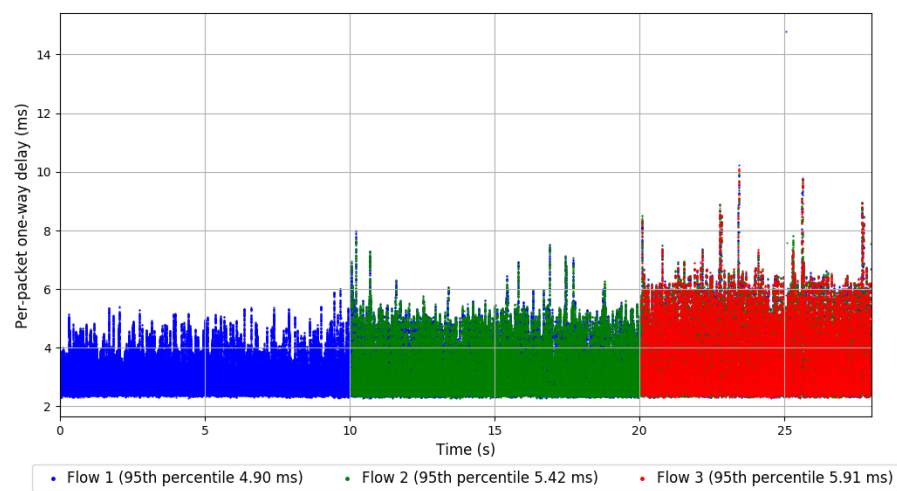
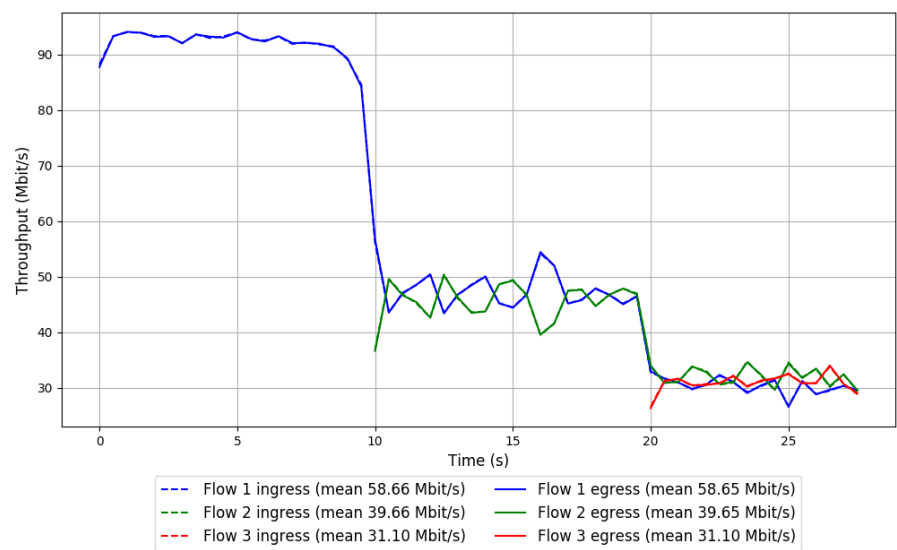
Run 2: Statistics of Copa

Start at: 2018-01-26 13:57:14  
End at: 2018-01-26 13:57:44  
Local clock offset: 0.178 ms  
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-01-26 17:14:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.94 Mbit/s  
95th percentile per-packet one-way delay: 5.277 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.65 Mbit/s  
95th percentile per-packet one-way delay: 4.901 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.65 Mbit/s  
95th percentile per-packet one-way delay: 5.422 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.10 Mbit/s  
95th percentile per-packet one-way delay: 5.912 ms  
Loss rate: 0.00%



Run 2: Report of Copa — Data Link

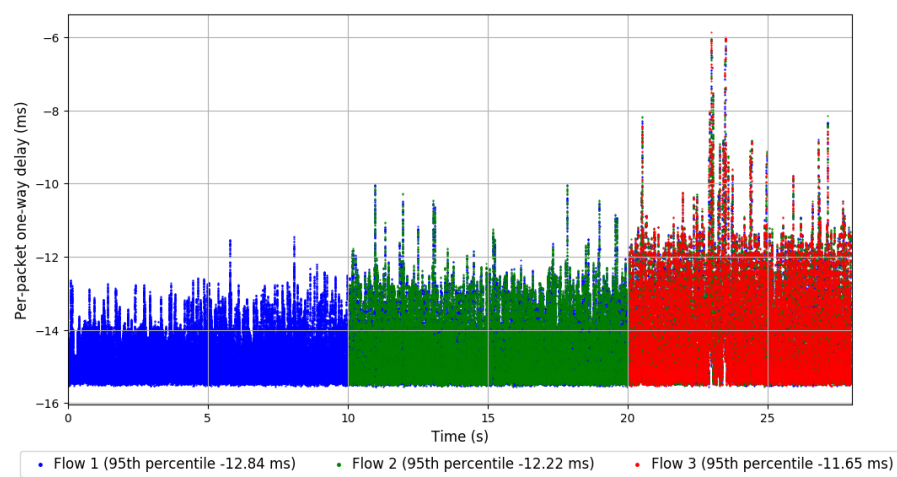
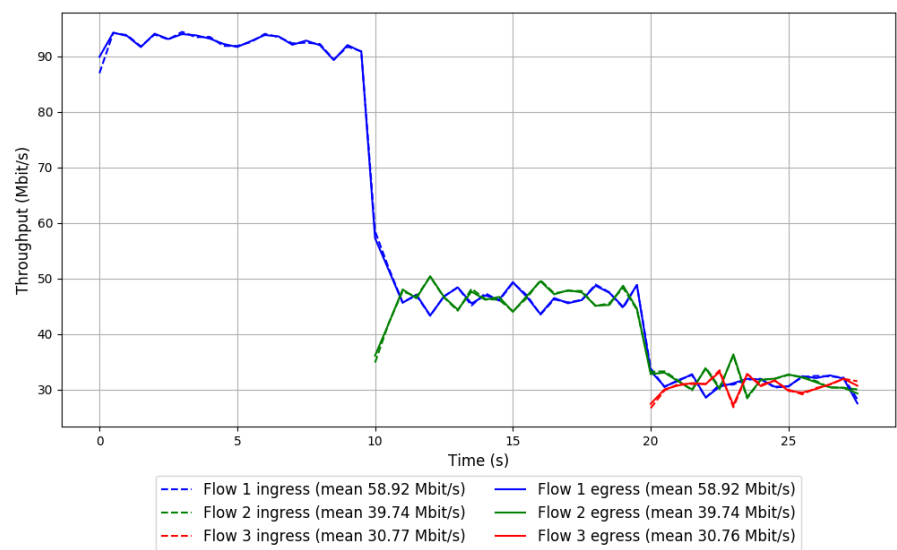


Run 3: Statistics of Copa

Start at: 2018-01-26 14:15:27  
End at: 2018-01-26 14:15:57  
Local clock offset: 0.21 ms  
Remote clock offset: -17.987 ms

# Below is generated by plot.py at 2018-01-26 17:15:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.13 Mbit/s  
95th percentile per-packet one-way delay: -12.442 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.92 Mbit/s  
95th percentile per-packet one-way delay: -12.836 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.74 Mbit/s  
95th percentile per-packet one-way delay: -12.225 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.76 Mbit/s  
95th percentile per-packet one-way delay: -11.649 ms  
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

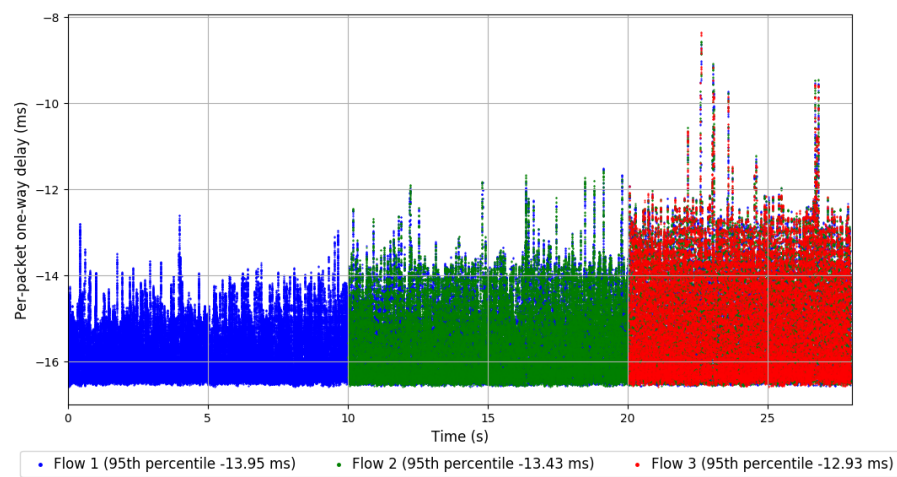
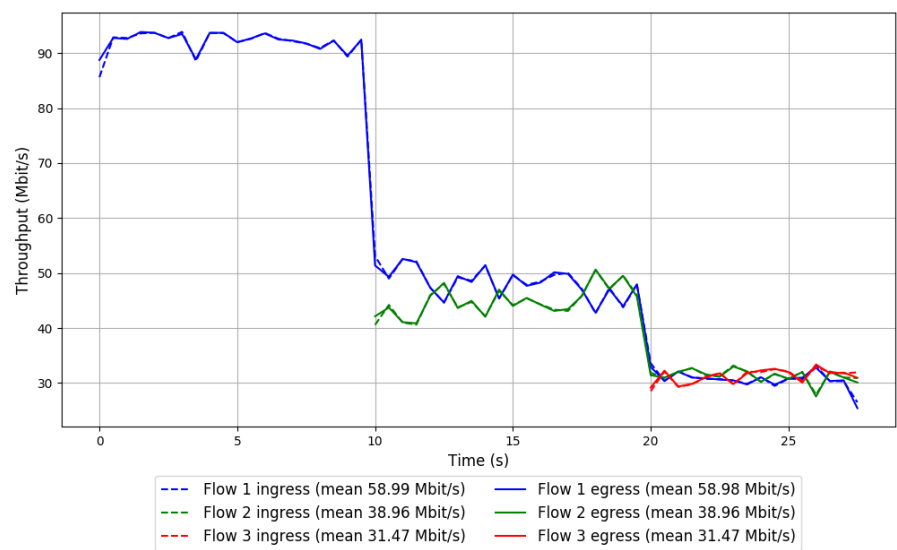


Run 4: Statistics of Copa

Start at: 2018-01-26 14:33:38  
End at: 2018-01-26 14:34:08  
Local clock offset: 0.2 ms  
Remote clock offset: -19.114 ms

# Below is generated by plot.py at 2018-01-26 17:15:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.93 Mbit/s  
95th percentile per-packet one-way delay: -13.576 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.98 Mbit/s  
95th percentile per-packet one-way delay: -13.948 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.96 Mbit/s  
95th percentile per-packet one-way delay: -13.432 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.47 Mbit/s  
95th percentile per-packet one-way delay: -12.933 ms  
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

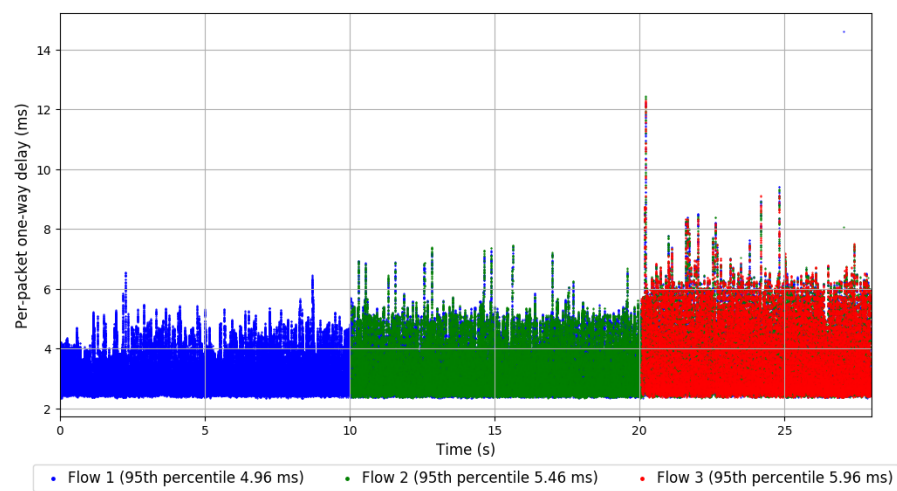
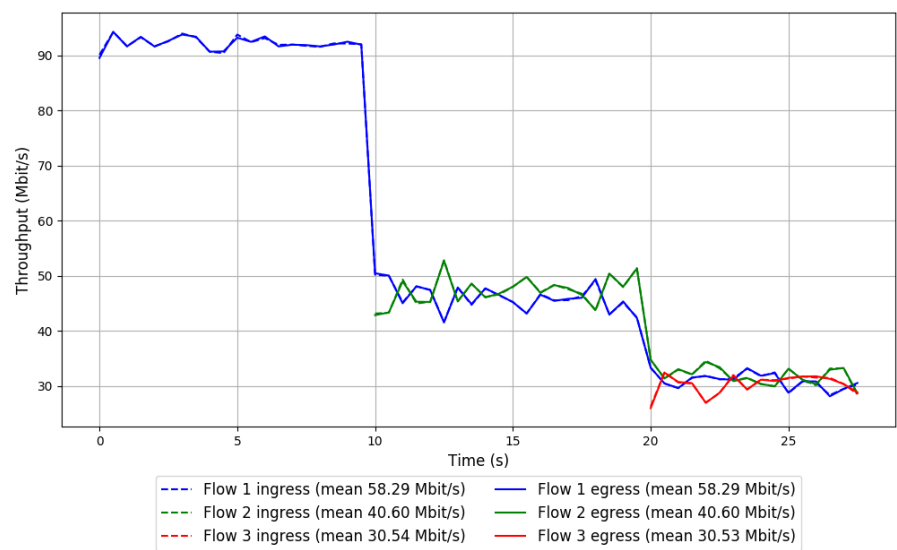


Run 5: Statistics of Copa

Start at: 2018-01-26 14:51:51  
End at: 2018-01-26 14:52:21  
Local clock offset: 0.195 ms  
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2018-01-26 17:15:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 5.319 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.29 Mbit/s  
95th percentile per-packet one-way delay: 4.958 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.60 Mbit/s  
95th percentile per-packet one-way delay: 5.463 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 30.53 Mbit/s  
95th percentile per-packet one-way delay: 5.960 ms  
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



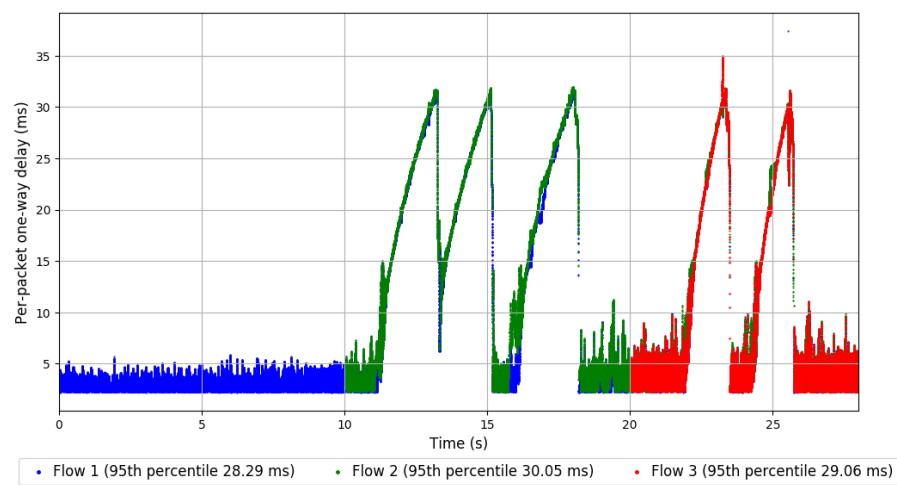
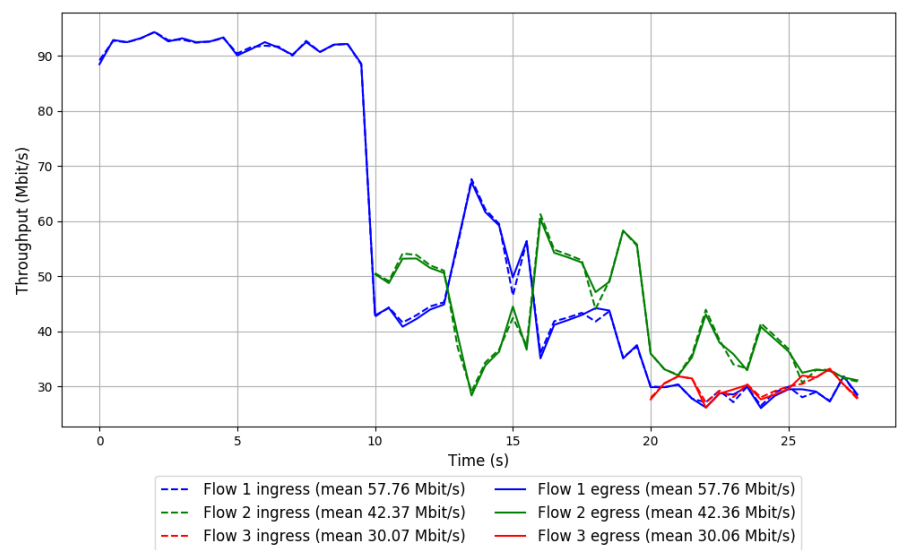
Run 6: Statistics of Copa

Start at: 2018-01-26 15:10:04  
End at: 2018-01-26 15:10:34  
Local clock offset: 0.259 ms  
Remote clock offset: -0.191 ms

# Below is generated by plot.py at 2018-01-26 17:15:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.50 Mbit/s  
95th percentile per-packet one-way delay: 29.126 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 57.76 Mbit/s  
95th percentile per-packet one-way delay: 28.293 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 42.36 Mbit/s  
95th percentile per-packet one-way delay: 30.053 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 30.06 Mbit/s  
95th percentile per-packet one-way delay: 29.063 ms  
Loss rate: 0.02%



Run 6: Report of Copa — Data Link

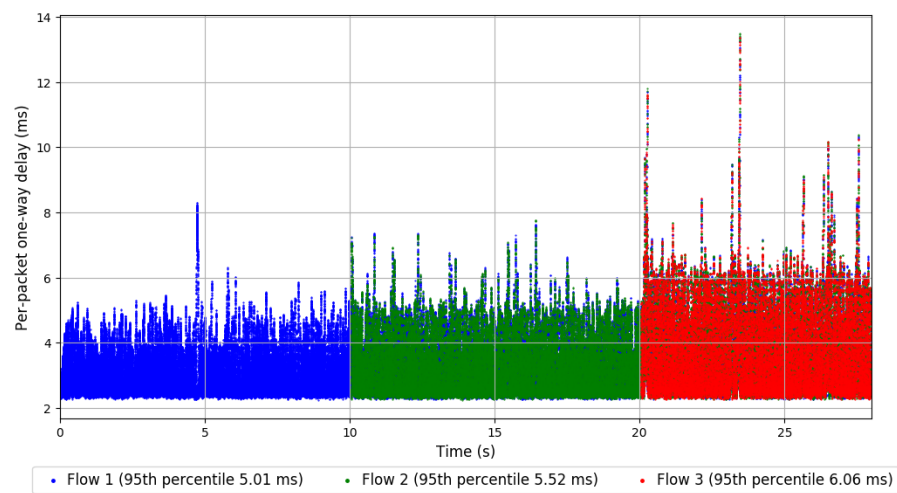
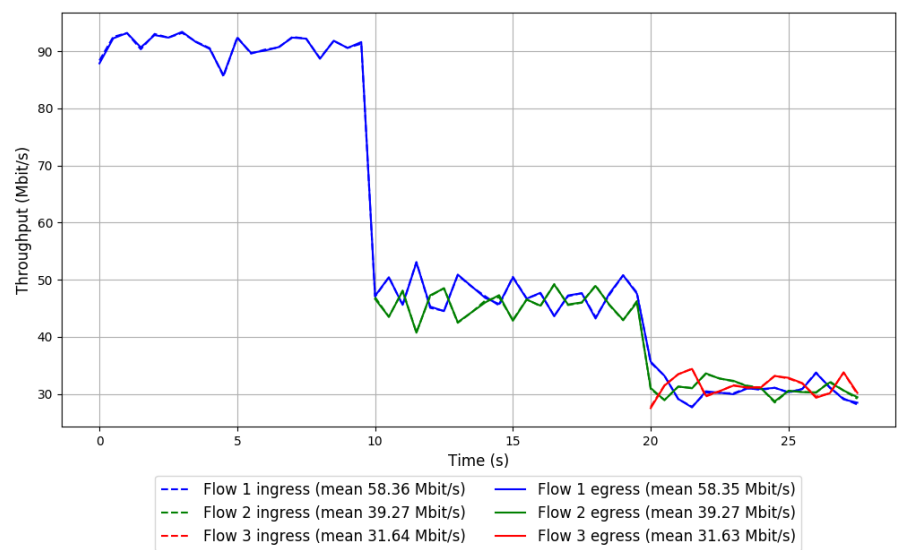


Run 7: Statistics of Copa

Start at: 2018-01-26 15:28:17  
End at: 2018-01-26 15:28:47  
Local clock offset: 0.267 ms  
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2018-01-26 17:15:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.52 Mbit/s  
95th percentile per-packet one-way delay: 5.360 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.35 Mbit/s  
95th percentile per-packet one-way delay: 5.015 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 39.27 Mbit/s  
95th percentile per-packet one-way delay: 5.522 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 31.63 Mbit/s  
95th percentile per-packet one-way delay: 6.060 ms  
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

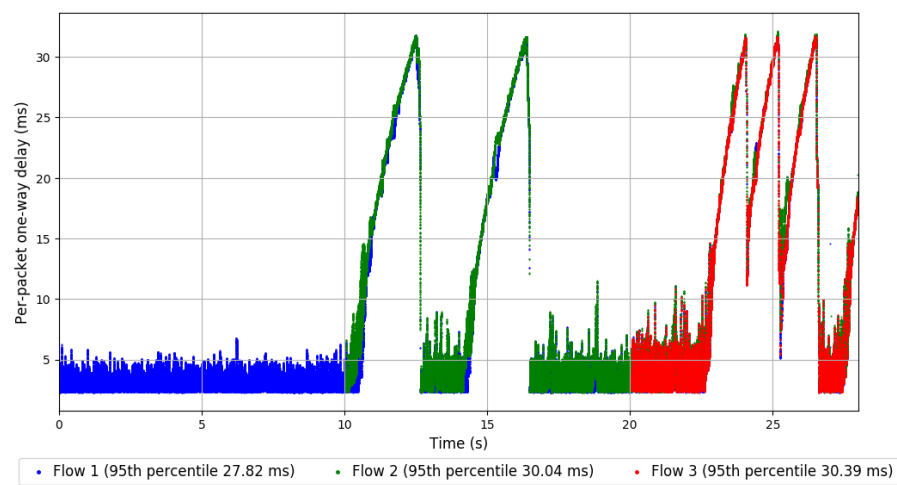
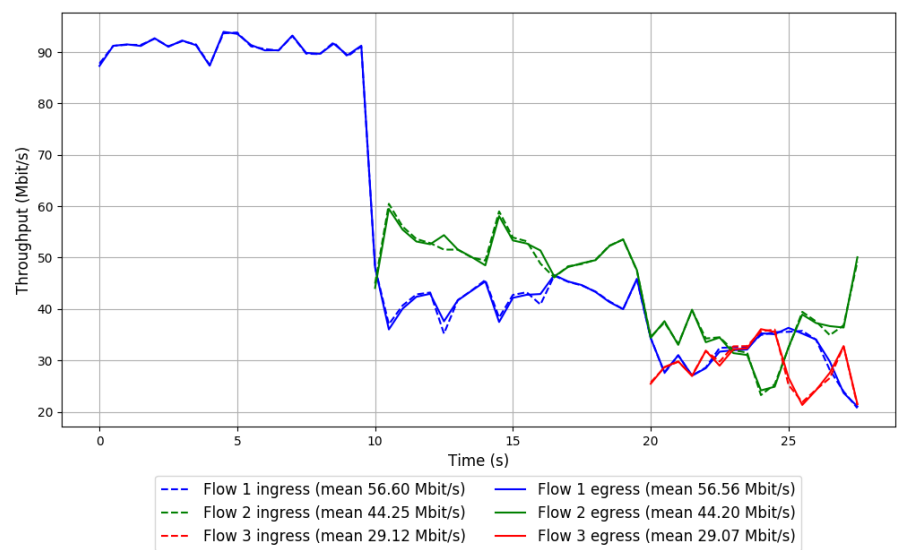


Run 8: Statistics of Copa

Start at: 2018-01-26 15:46:31  
End at: 2018-01-26 15:47:01  
Local clock offset: 0.253 ms  
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-01-26 17:15:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.18 Mbit/s  
95th percentile per-packet one-way delay: 29.227 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 56.56 Mbit/s  
95th percentile per-packet one-way delay: 27.817 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.20 Mbit/s  
95th percentile per-packet one-way delay: 30.035 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 29.07 Mbit/s  
95th percentile per-packet one-way delay: 30.388 ms  
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

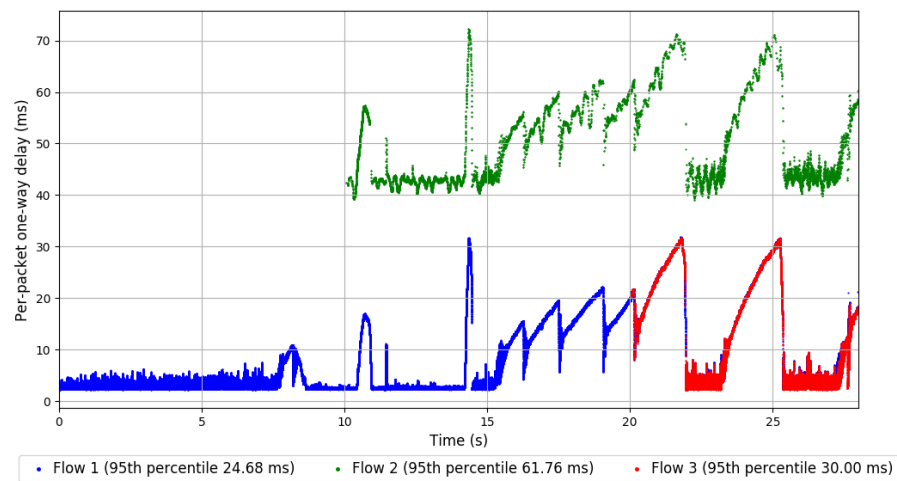
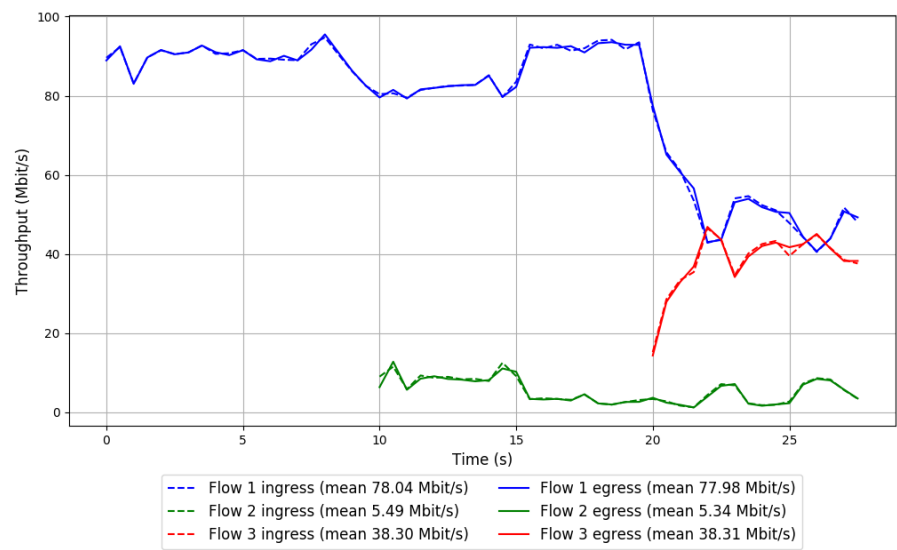


Run 9: Statistics of Copa

Start at: 2018-01-26 16:04:44  
End at: 2018-01-26 16:05:14  
Local clock offset: 0.269 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-01-26 17:17:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.27 Mbit/s  
95th percentile per-packet one-way delay: 30.284 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 77.98 Mbit/s  
95th percentile per-packet one-way delay: 24.684 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 5.34 Mbit/s  
95th percentile per-packet one-way delay: 61.761 ms  
Loss rate: 2.82%  
-- Flow 3:  
Average throughput: 38.31 Mbit/s  
95th percentile per-packet one-way delay: 30.004 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

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

End at: 2018-01-26 16:23:29

Local clock offset: 0.17 ms

Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-01-26 17:17:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 5.461 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.65 Mbit/s

95th percentile per-packet one-way delay: 5.108 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.32 Mbit/s

95th percentile per-packet one-way delay: 5.617 ms

Loss rate: 0.00%

-- Flow 3:

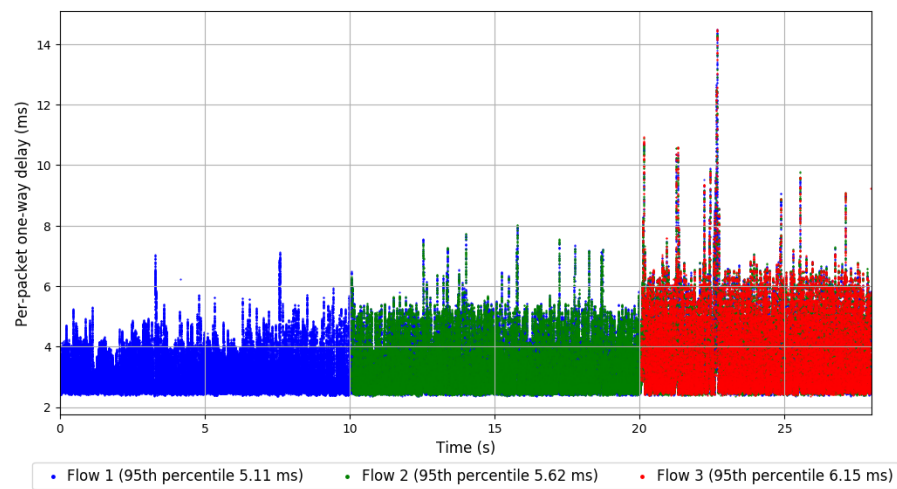
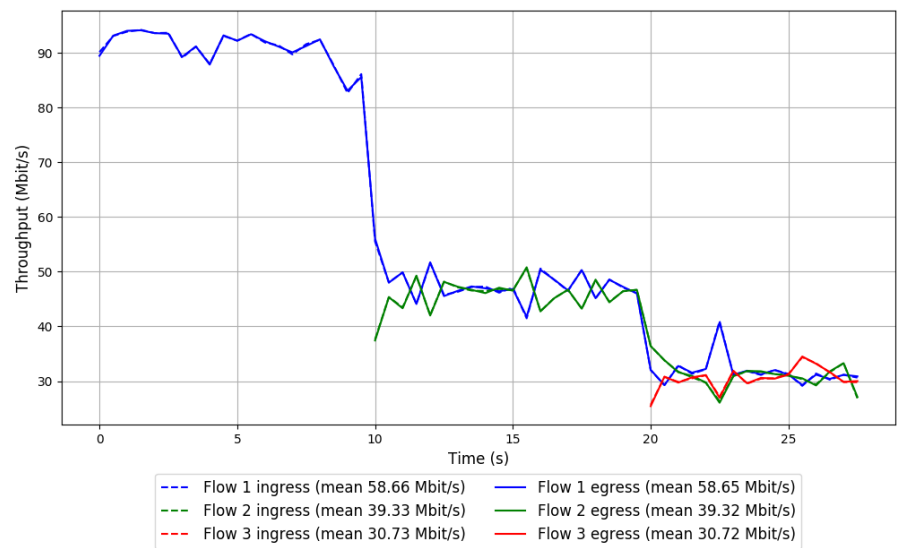
Average throughput: 30.72 Mbit/s

95th percentile per-packet one-way delay: 6.149 ms

Loss rate: 0.00%



Run 10: Report of Copa — Data Link

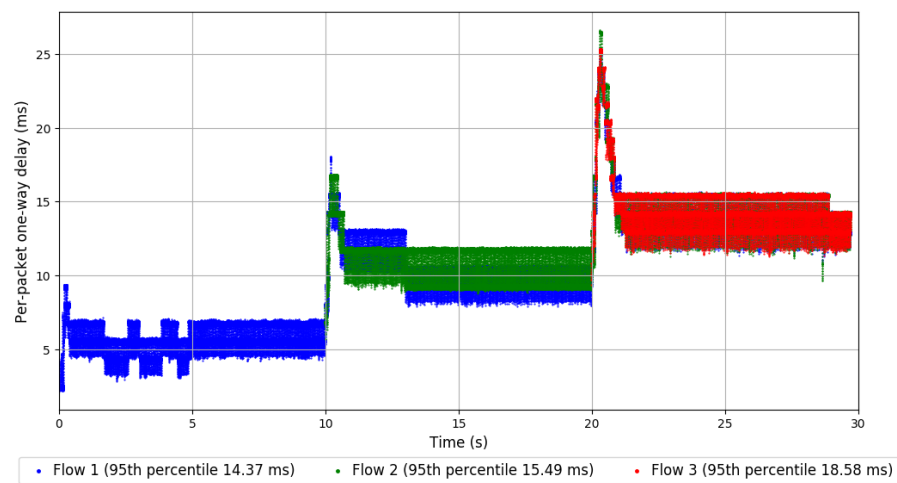
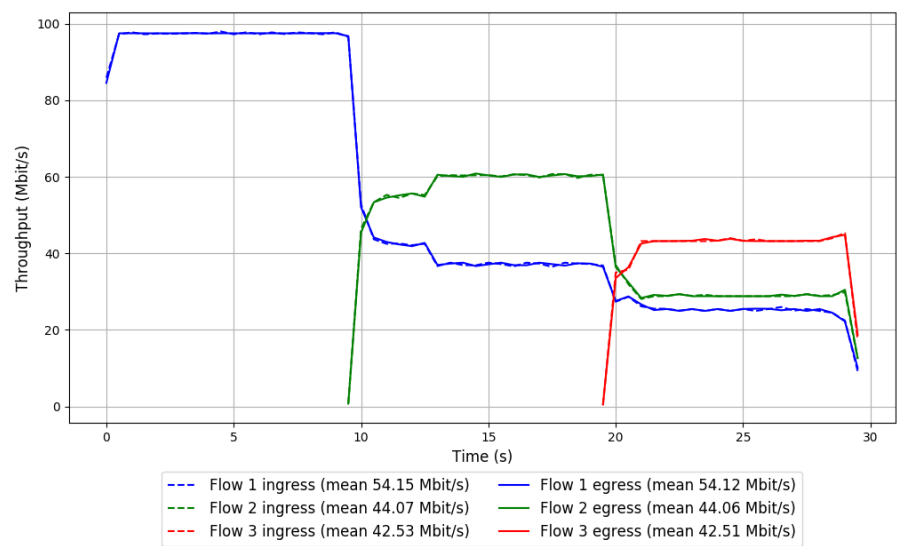


Run 1: Statistics of Indigo-2-256

Start at: 2018-01-26 13:43:36  
End at: 2018-01-26 13:44:06  
Local clock offset: 0.171 ms  
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-01-26 17:17:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 15.416 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 54.12 Mbit/s  
95th percentile per-packet one-way delay: 14.374 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.06 Mbit/s  
95th percentile per-packet one-way delay: 15.487 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 42.51 Mbit/s  
95th percentile per-packet one-way delay: 18.582 ms  
Loss rate: 0.00%

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

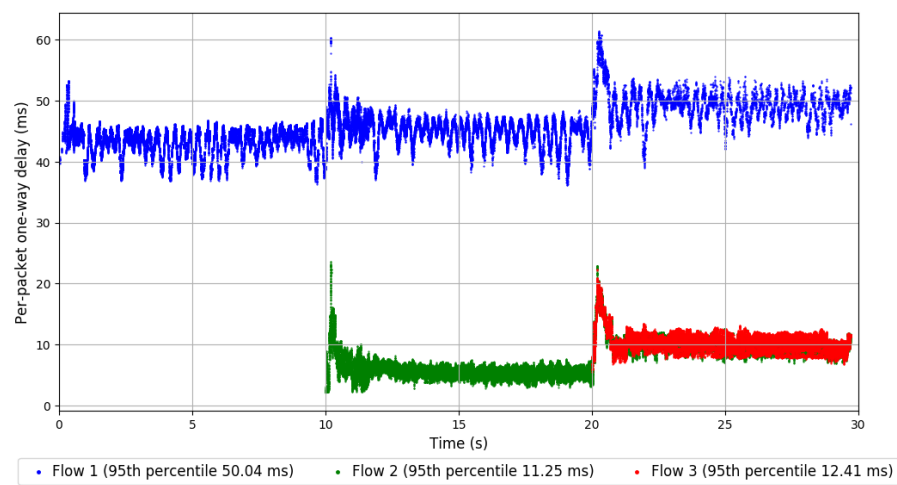
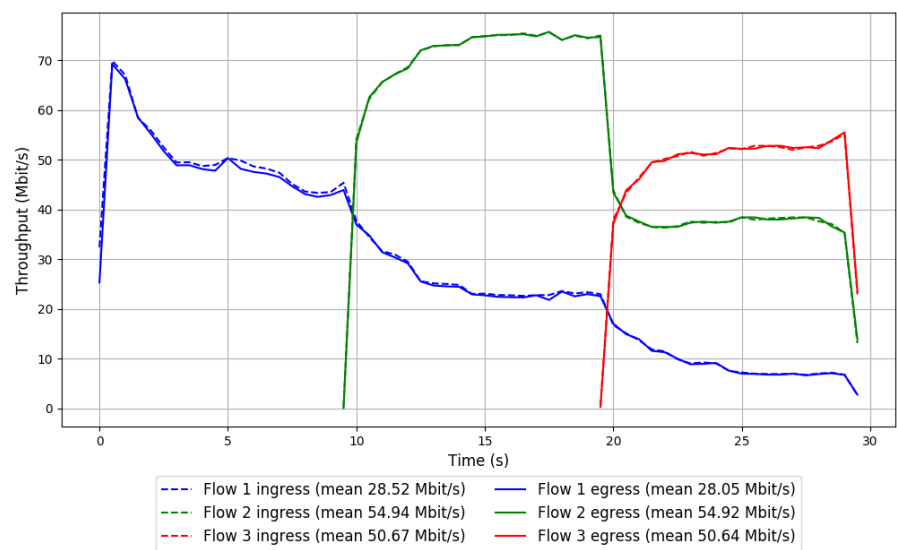


Run 2: Statistics of Indigo-2-256

Start at: 2018-01-26 14:01:51  
End at: 2018-01-26 14:02:21  
Local clock offset: 0.202 ms  
Remote clock offset: -0.147 ms

# Below is generated by plot.py at 2018-01-26 17:17:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.11 Mbit/s  
95th percentile per-packet one-way delay: 46.961 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 28.05 Mbit/s  
95th percentile per-packet one-way delay: 50.040 ms  
Loss rate: 1.73%  
-- Flow 2:  
Average throughput: 54.92 Mbit/s  
95th percentile per-packet one-way delay: 11.250 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 50.64 Mbit/s  
95th percentile per-packet one-way delay: 12.414 ms  
Loss rate: 0.00%

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

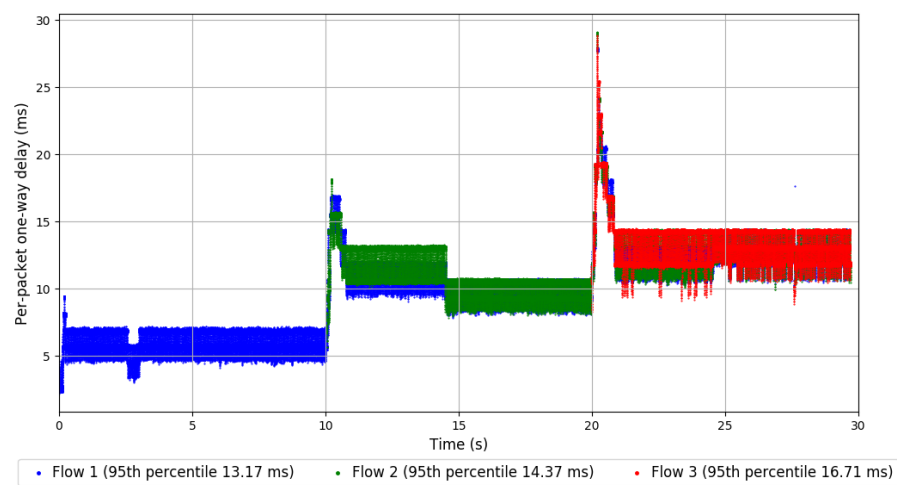
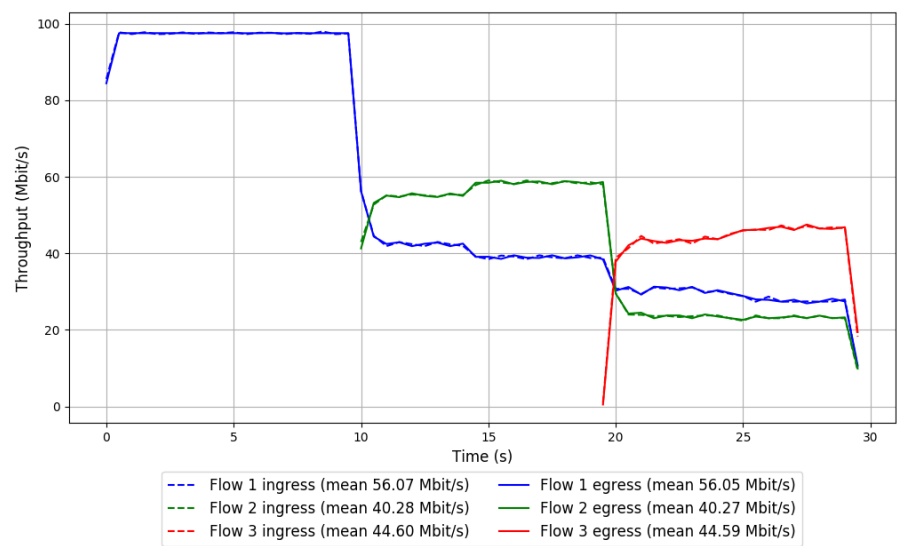


Run 3: Statistics of Indigo-2-256

Start at: 2018-01-26 14:20:01  
End at: 2018-01-26 14:20:31  
Local clock offset: 0.231 ms  
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2018-01-26 17:17:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 14.334 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.05 Mbit/s  
95th percentile per-packet one-way delay: 13.169 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 40.27 Mbit/s  
95th percentile per-packet one-way delay: 14.370 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 44.59 Mbit/s  
95th percentile per-packet one-way delay: 16.708 ms  
Loss rate: 0.00%

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



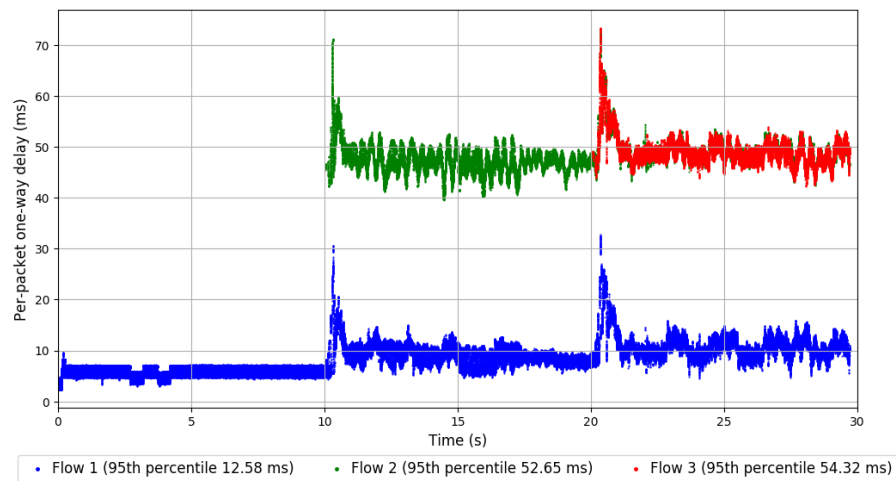
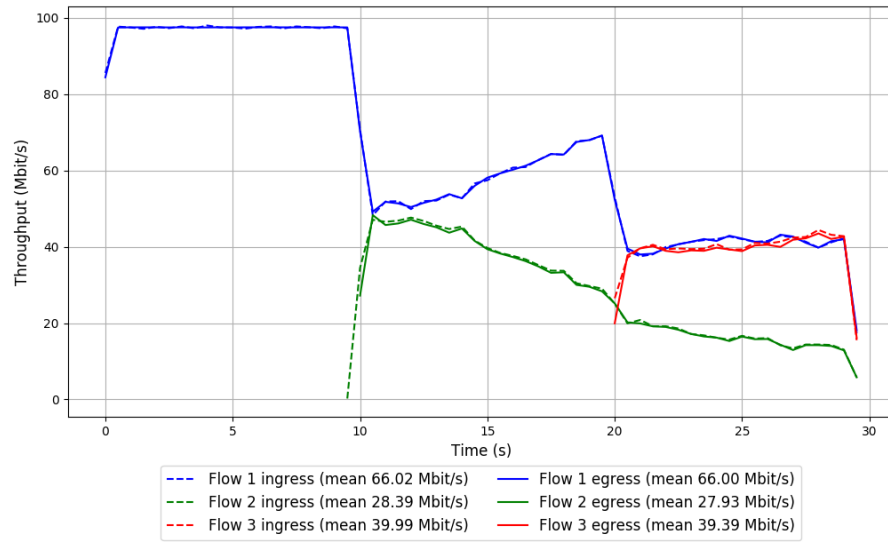
Run 4: Statistics of Indigo-2-256

Start at: 2018-01-26 14:38:13  
End at: 2018-01-26 14:38:43  
Local clock offset: 0.186 ms  
Remote clock offset: -0.216 ms

# Below is generated by plot.py at 2018-01-26 17:17:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 50.560 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 66.00 Mbit/s  
95th percentile per-packet one-way delay: 12.580 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 27.93 Mbit/s  
95th percentile per-packet one-way delay: 52.649 ms  
Loss rate: 1.66%  
-- Flow 3:  
Average throughput: 39.39 Mbit/s  
95th percentile per-packet one-way delay: 54.318 ms  
Loss rate: 1.90%



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

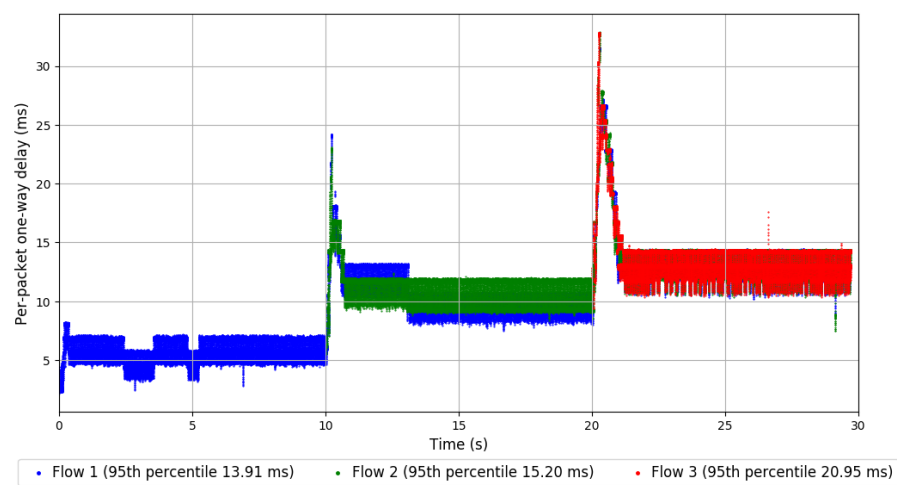
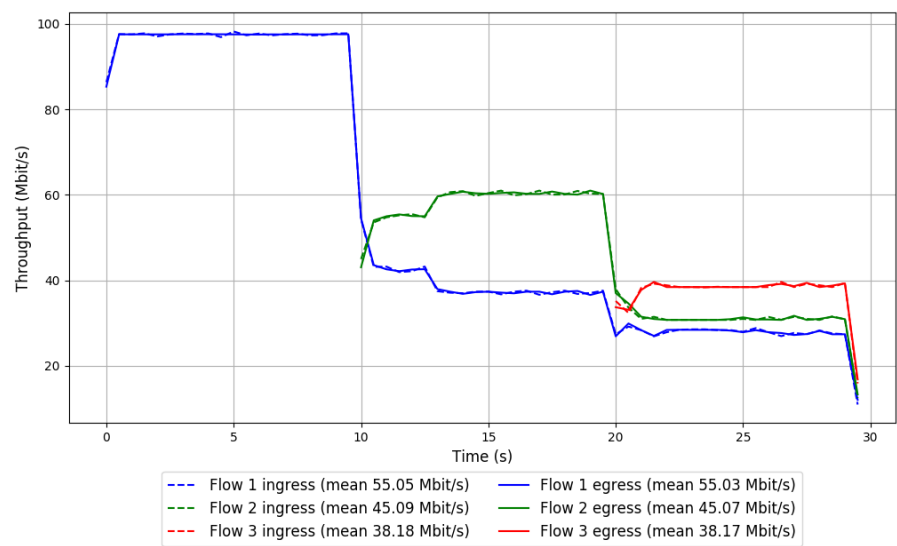


Run 5: Statistics of Indigo-2-256

Start at: 2018-01-26 14:56:27  
End at: 2018-01-26 14:56:57  
Local clock offset: 0.256 ms  
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2018-01-26 17:17:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 14.342 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.03 Mbit/s  
95th percentile per-packet one-way delay: 13.906 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.07 Mbit/s  
95th percentile per-packet one-way delay: 15.201 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 38.17 Mbit/s  
95th percentile per-packet one-way delay: 20.949 ms  
Loss rate: 0.00%

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

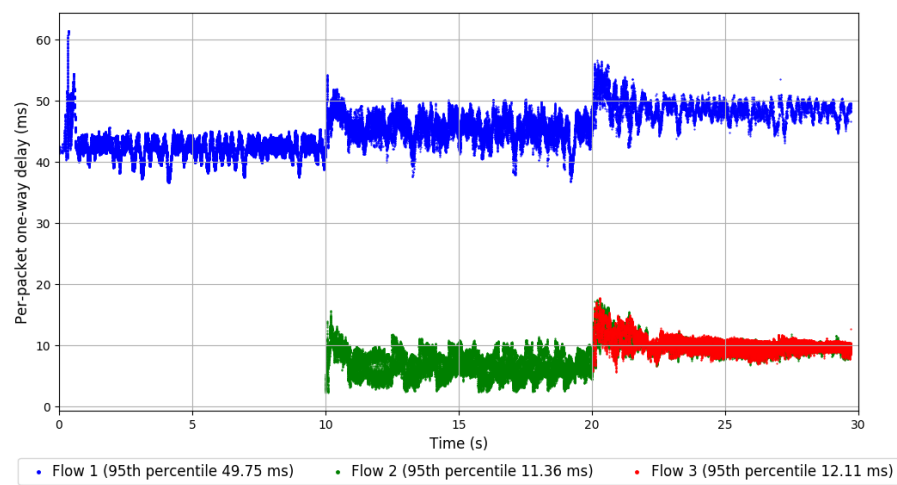
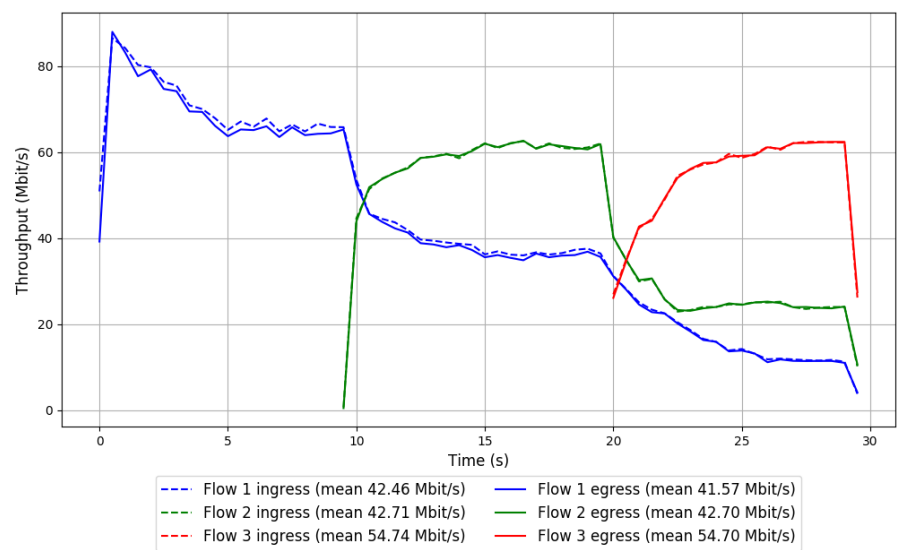


Run 6: Statistics of Indigo-2-256

Start at: 2018-01-26 15:14:41  
End at: 2018-01-26 15:15:11  
Local clock offset: 0.203 ms  
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2018-01-26 17:17:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.80 Mbit/s  
95th percentile per-packet one-way delay: 48.573 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 41.57 Mbit/s  
95th percentile per-packet one-way delay: 49.747 ms  
Loss rate: 2.16%  
-- Flow 2:  
Average throughput: 42.70 Mbit/s  
95th percentile per-packet one-way delay: 11.355 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 54.70 Mbit/s  
95th percentile per-packet one-way delay: 12.113 ms  
Loss rate: 0.00%

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



Run 7: Statistics of Indigo-2-256

Start at: 2018-01-26 15:32:54

End at: 2018-01-26 15:33:24

Local clock offset: 0.259 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-01-26 17:17:42

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 15.101 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.17 Mbit/s

95th percentile per-packet one-way delay: 13.653 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.13 Mbit/s

95th percentile per-packet one-way delay: 15.574 ms

Loss rate: 0.00%

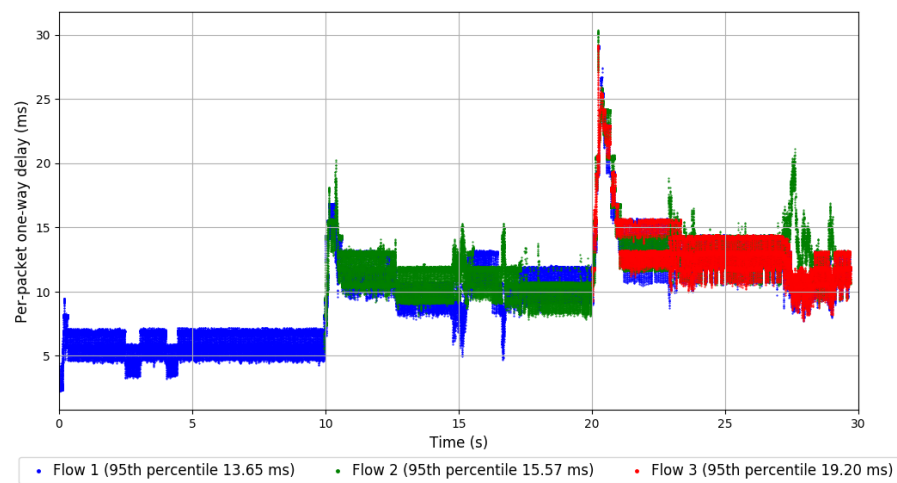
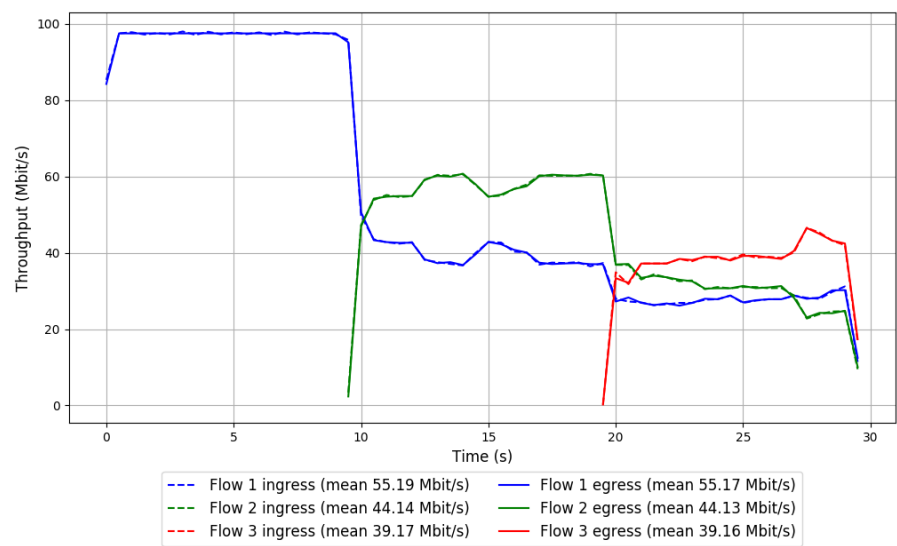
-- Flow 3:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 19.196 ms

Loss rate: 0.00%

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



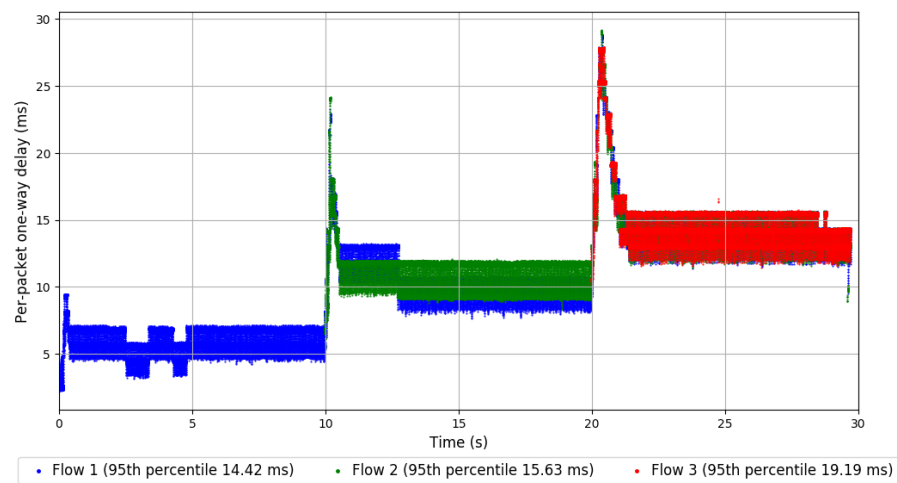
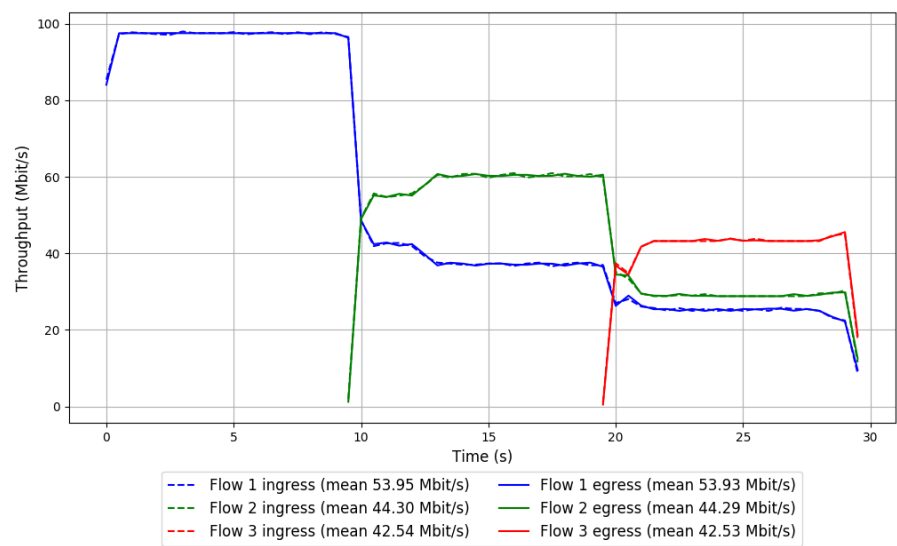
Run 8: Statistics of Indigo-2-256

Start at: 2018-01-26 15:51:07  
End at: 2018-01-26 15:51:37  
Local clock offset: 0.259 ms  
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-01-26 17:17:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 15.560 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.93 Mbit/s  
95th percentile per-packet one-way delay: 14.418 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 44.29 Mbit/s  
95th percentile per-packet one-way delay: 15.627 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 42.53 Mbit/s  
95th percentile per-packet one-way delay: 19.186 ms  
Loss rate: 0.00%



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

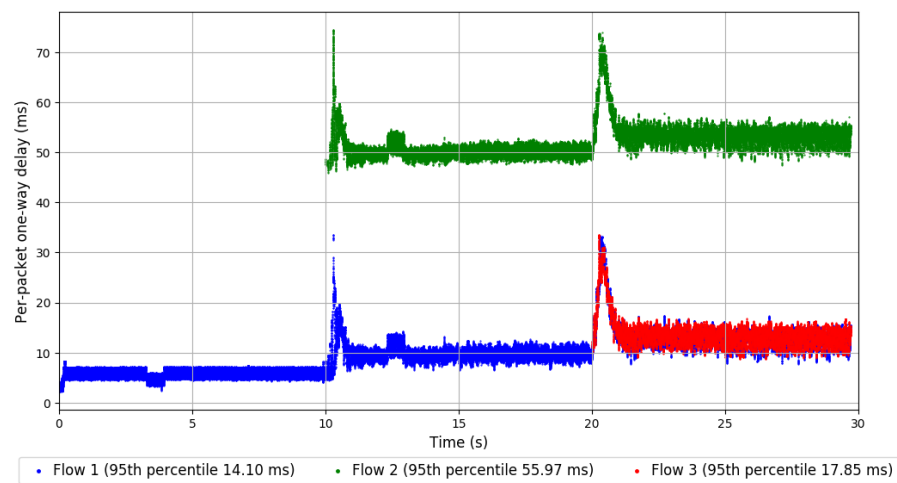
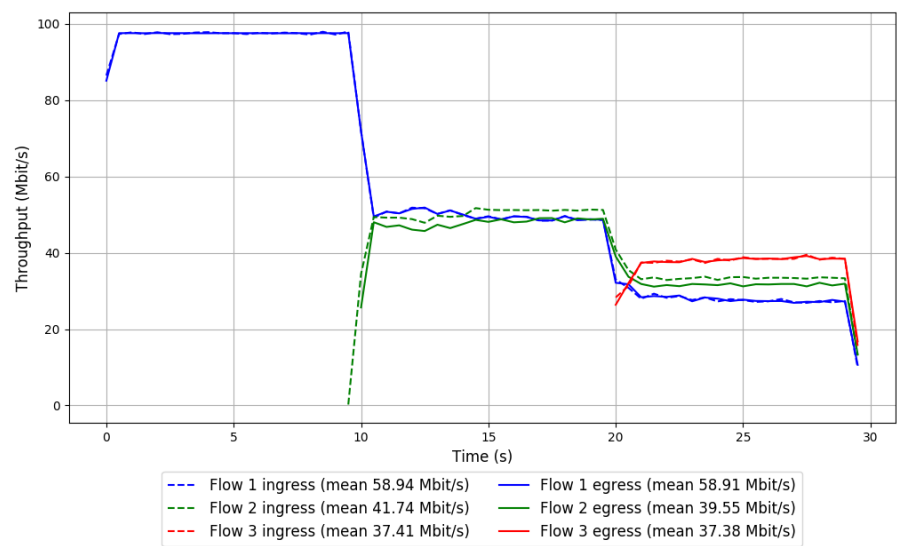


Run 9: Statistics of Indigo-2-256

Start at: 2018-01-26 16:09:21  
End at: 2018-01-26 16:09:51  
Local clock offset: 0.252 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-01-26 17:18:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 53.846 ms  
Loss rate: 1.52%  
-- Flow 1:  
Average throughput: 58.91 Mbit/s  
95th percentile per-packet one-way delay: 14.102 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 39.55 Mbit/s  
95th percentile per-packet one-way delay: 55.972 ms  
Loss rate: 5.38%  
-- Flow 3:  
Average throughput: 37.38 Mbit/s  
95th percentile per-packet one-way delay: 17.854 ms  
Loss rate: 0.03%

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

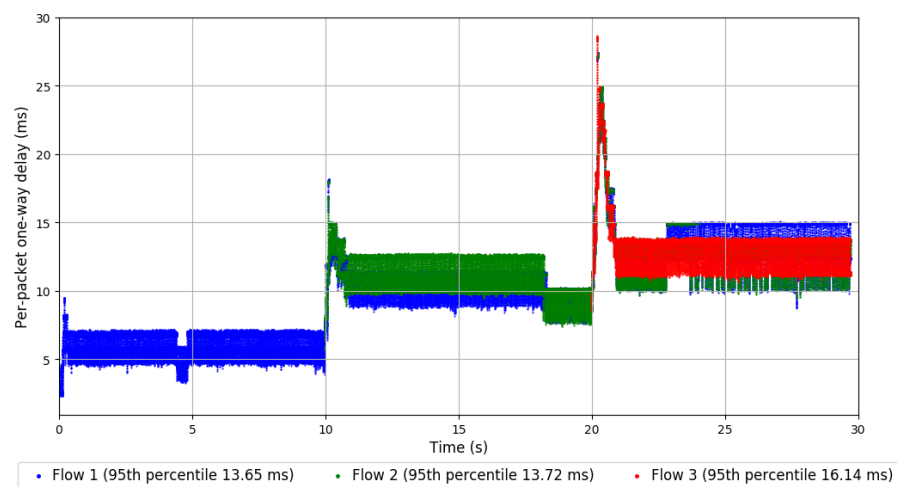
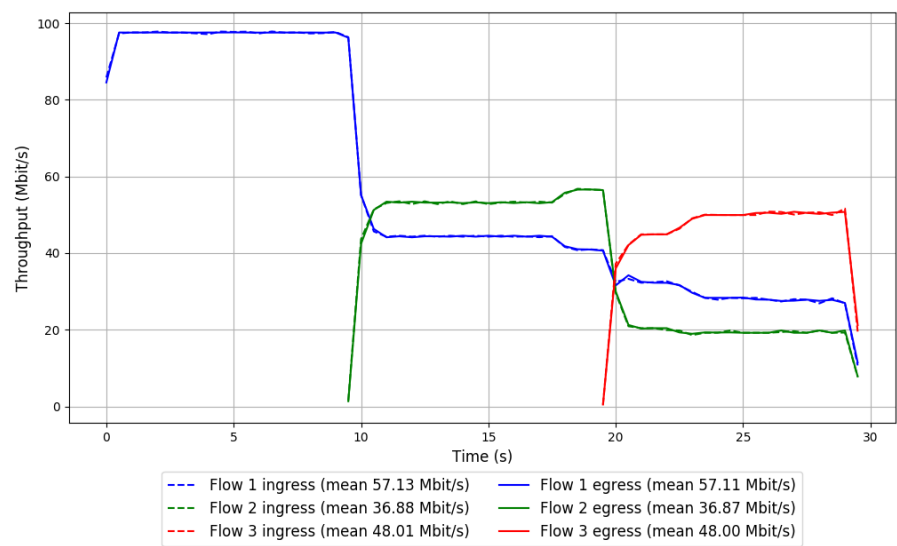


Run 10: Statistics of Indigo-2-256

Start at: 2018-01-26 16:27:36  
End at: 2018-01-26 16:28:06  
Local clock offset: 0.188 ms  
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-01-26 17:18:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.32 Mbit/s  
95th percentile per-packet one-way delay: 13.769 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.11 Mbit/s  
95th percentile per-packet one-way delay: 13.650 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 36.87 Mbit/s  
95th percentile per-packet one-way delay: 13.720 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 48.00 Mbit/s  
95th percentile per-packet one-way delay: 16.140 ms  
Loss rate: 0.00%

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

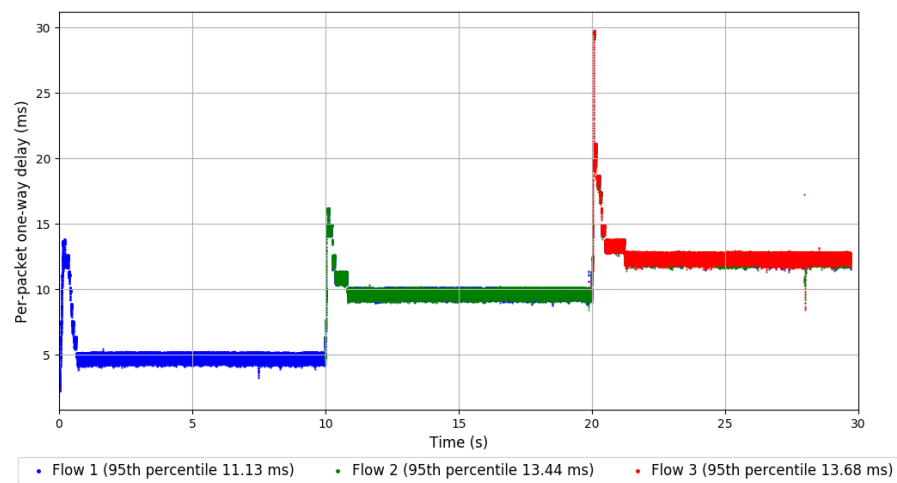
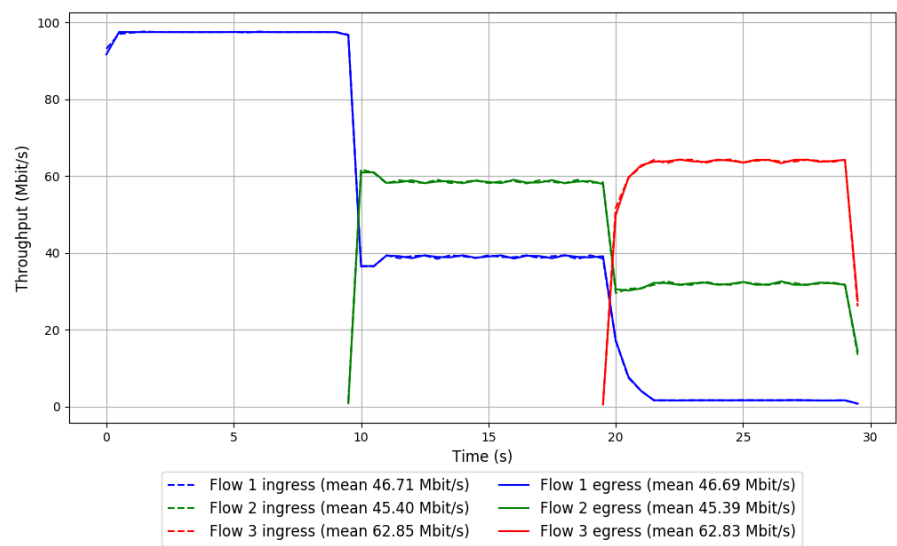


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-01-26 13:48:04
End at: 2018-01-26 13:48:34
Local clock offset: 0.185 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-01-26 17:18:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 11.134 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 13.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.83 Mbit/s
95th percentile per-packet one-way delay: 13.682 ms
Loss rate: 0.00%
```

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



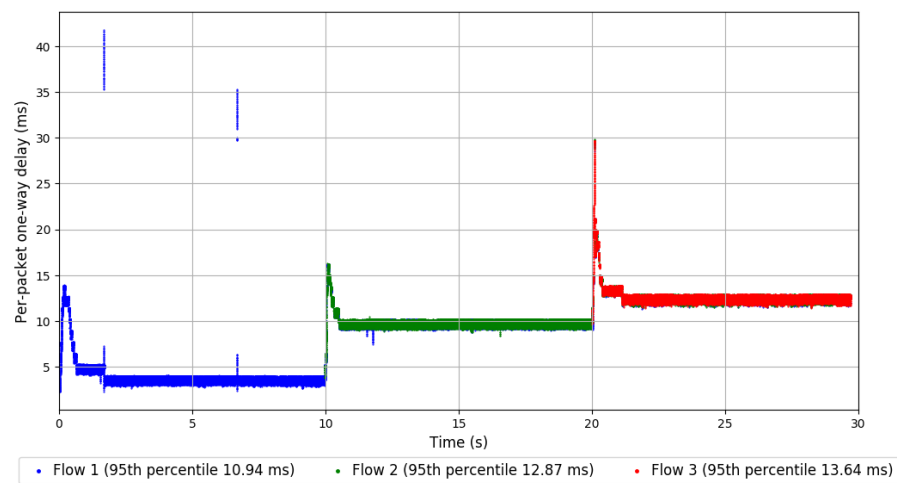
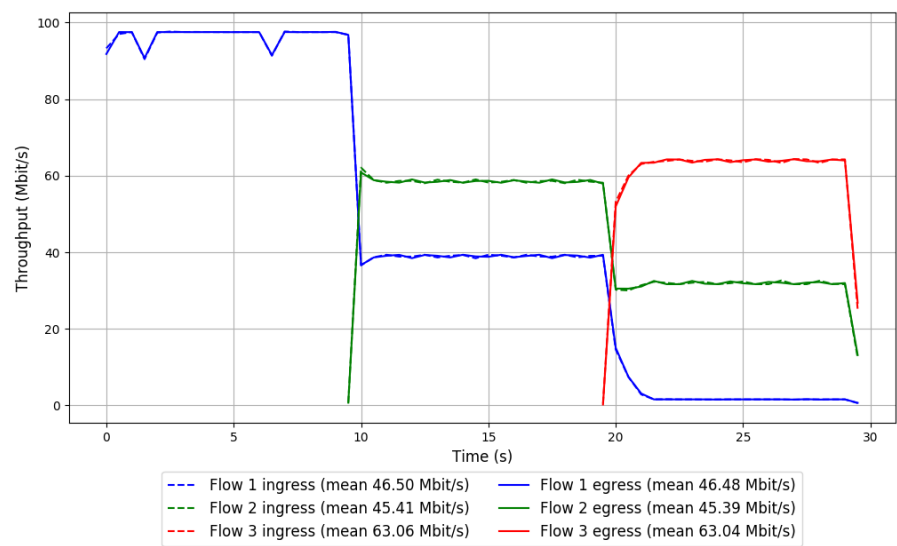
Run 2: Statistics of Indigo-1-32

Start at: 2018-01-26 14:06:18  
End at: 2018-01-26 14:06:48  
Local clock offset: 0.189 ms  
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-01-26 17:18:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.22 Mbit/s  
95th percentile per-packet one-way delay: 12.845 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.48 Mbit/s  
95th percentile per-packet one-way delay: 10.942 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.39 Mbit/s  
95th percentile per-packet one-way delay: 12.871 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 63.04 Mbit/s  
95th percentile per-packet one-way delay: 13.645 ms  
Loss rate: 0.00%



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

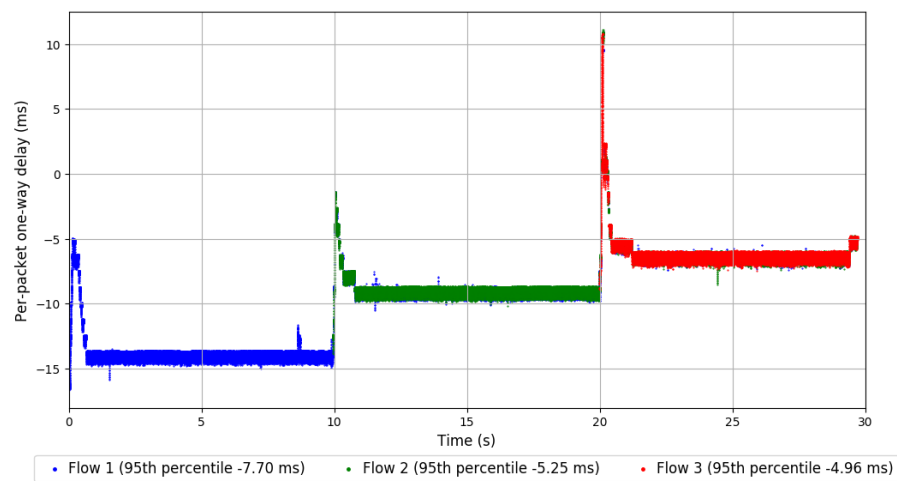
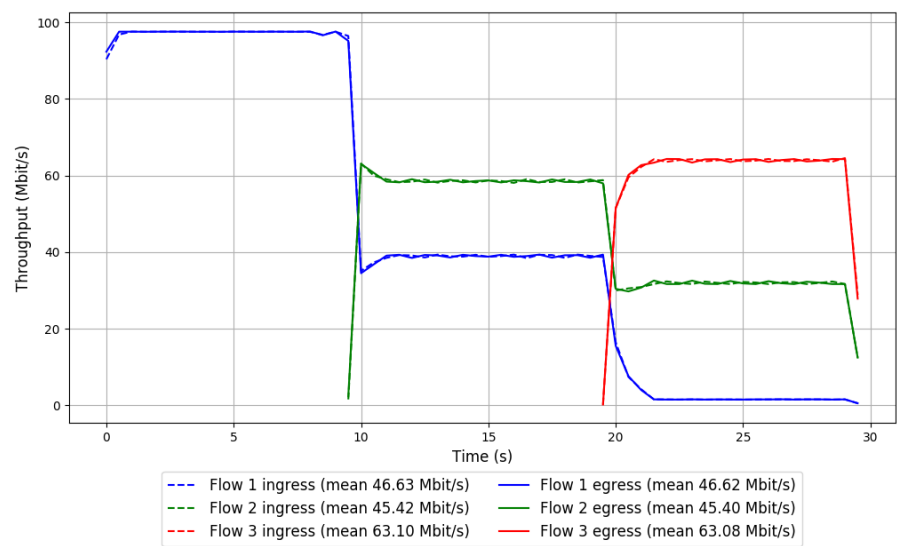


Run 3: Statistics of Indigo-1-32

Start at: 2018-01-26 14:24:29  
End at: 2018-01-26 14:24:59  
Local clock offset: 0.219 ms  
Remote clock offset: -19.05 ms

# Below is generated by plot.py at 2018-01-26 17:18:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: -5.318 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.62 Mbit/s  
95th percentile per-packet one-way delay: -7.698 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.40 Mbit/s  
95th percentile per-packet one-way delay: -5.254 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 63.08 Mbit/s  
95th percentile per-packet one-way delay: -4.955 ms  
Loss rate: 0.00%

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

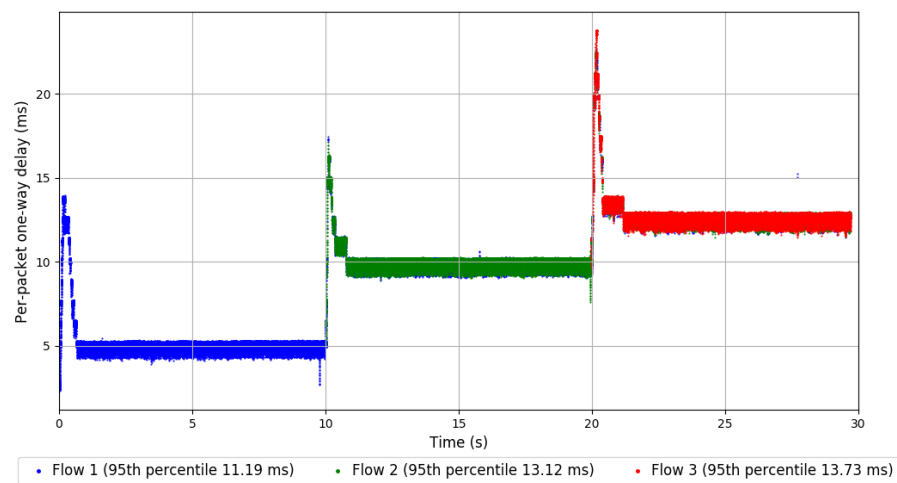
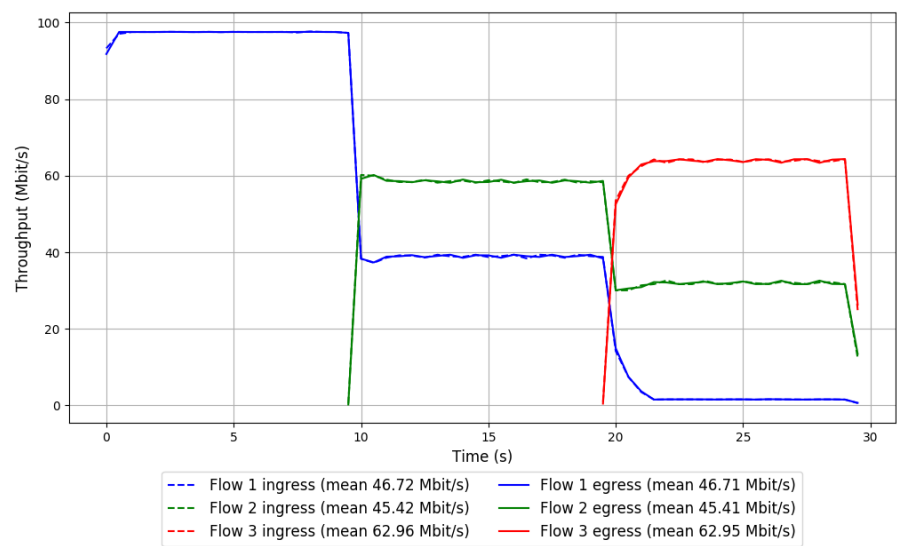


Run 4: Statistics of Indigo-1-32

Start at: 2018-01-26 14:42:41  
End at: 2018-01-26 14:43:11  
Local clock offset: 0.209 ms  
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-01-26 17:18:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 12.910 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.71 Mbit/s  
95th percentile per-packet one-way delay: 11.187 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.41 Mbit/s  
95th percentile per-packet one-way delay: 13.119 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.95 Mbit/s  
95th percentile per-packet one-way delay: 13.735 ms  
Loss rate: 0.00%

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

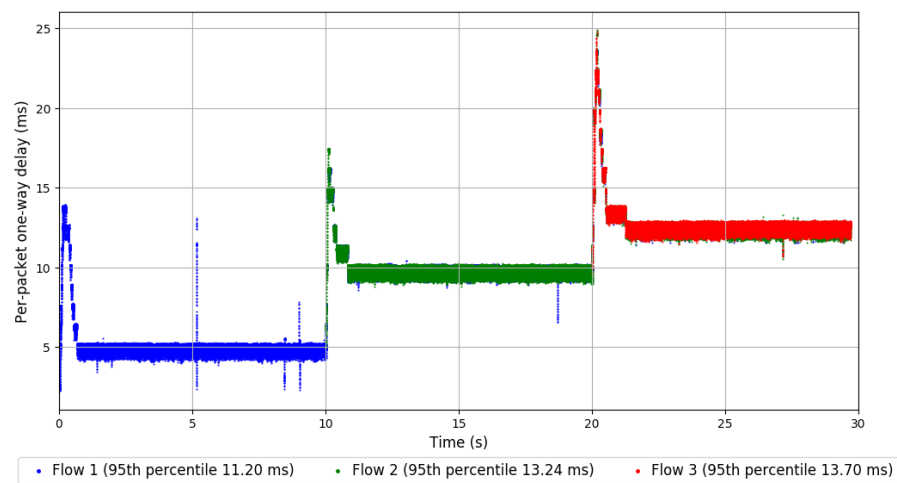
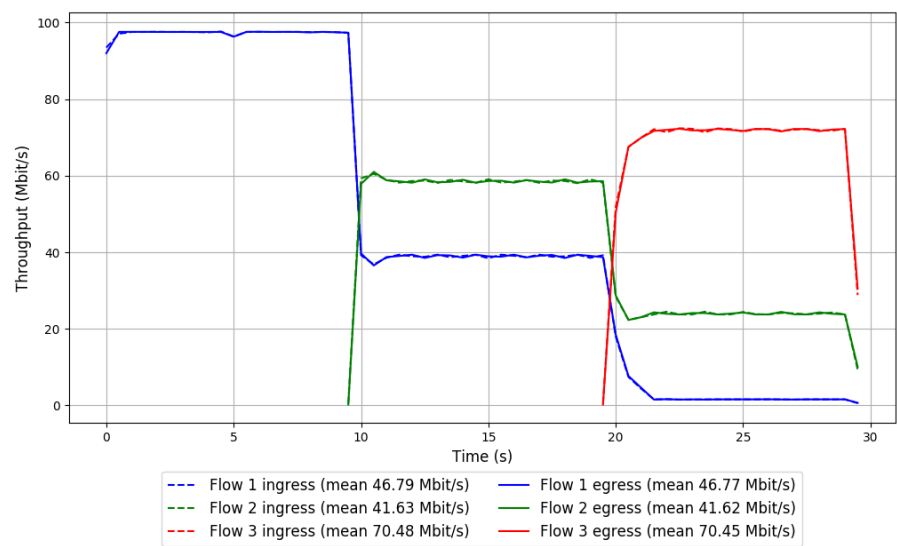


Run 5: Statistics of Indigo-1-32

Start at: 2018-01-26 15:00:56  
End at: 2018-01-26 15:01:26  
Local clock offset: 0.274 ms  
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-01-26 17:19:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 13.025 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.77 Mbit/s  
95th percentile per-packet one-way delay: 11.201 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 41.62 Mbit/s  
95th percentile per-packet one-way delay: 13.242 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 70.45 Mbit/s  
95th percentile per-packet one-way delay: 13.702 ms  
Loss rate: 0.00%

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



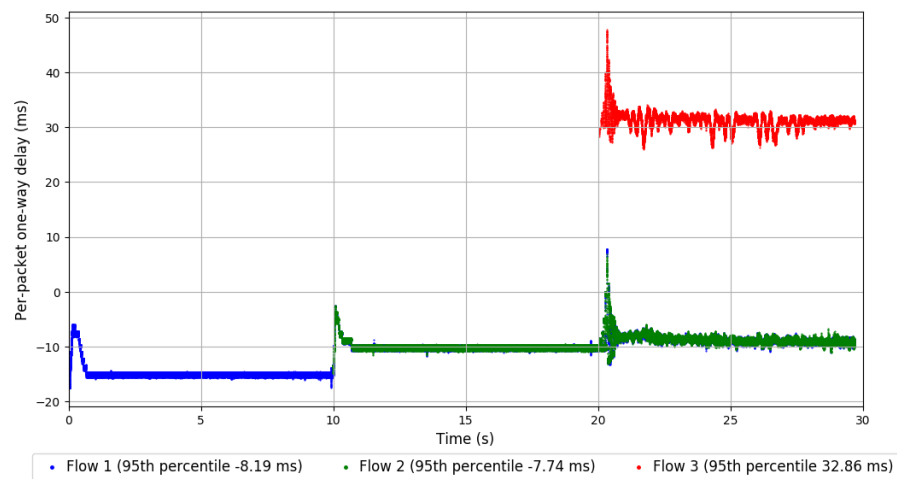
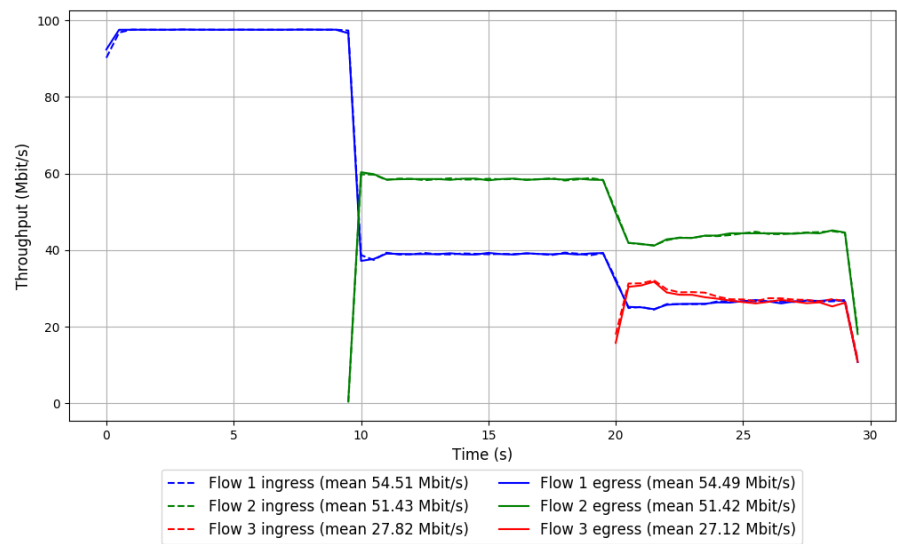
Run 6: Statistics of Indigo-1-32

Start at: 2018-01-26 15:19:09  
End at: 2018-01-26 15:19:39  
Local clock offset: 0.259 ms  
Remote clock offset: -19.944 ms

# Below is generated by plot.py at 2018-01-26 17:19:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 31.297 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 54.49 Mbit/s  
95th percentile per-packet one-way delay: -8.191 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 51.42 Mbit/s  
95th percentile per-packet one-way delay: -7.743 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 27.12 Mbit/s  
95th percentile per-packet one-way delay: 32.863 ms  
Loss rate: 2.87%



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

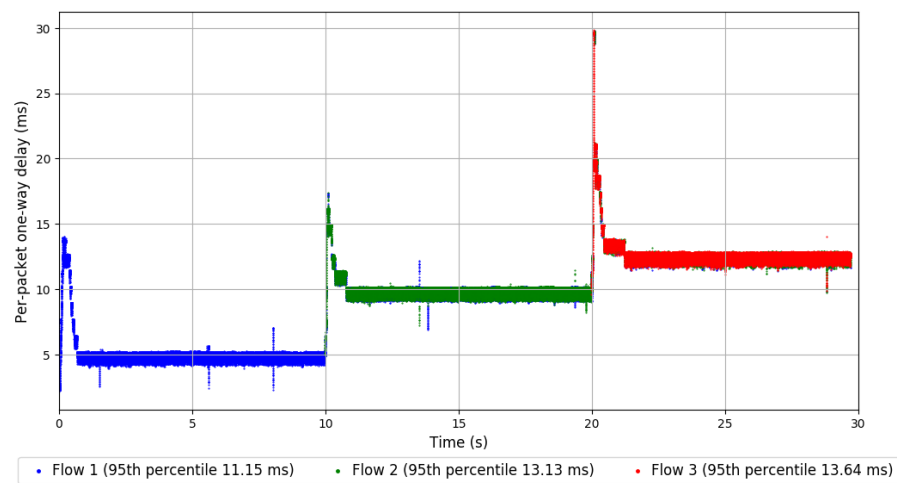
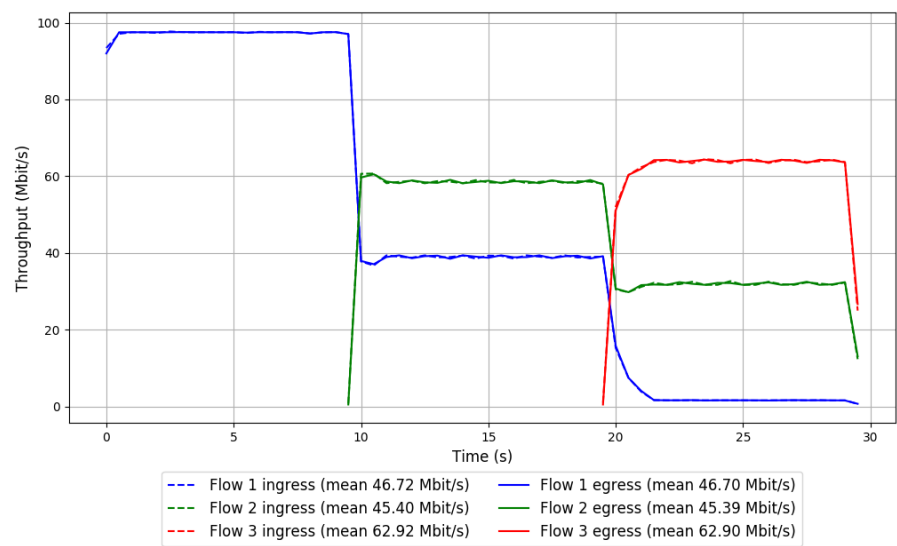


Run 7: Statistics of Indigo-1-32

Start at: 2018-01-26 15:37:22  
End at: 2018-01-26 15:37:52  
Local clock offset: 0.269 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-01-26 17:19:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 12.836 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.70 Mbit/s  
95th percentile per-packet one-way delay: 11.152 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.39 Mbit/s  
95th percentile per-packet one-way delay: 13.133 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.90 Mbit/s  
95th percentile per-packet one-way delay: 13.636 ms  
Loss rate: 0.00%

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

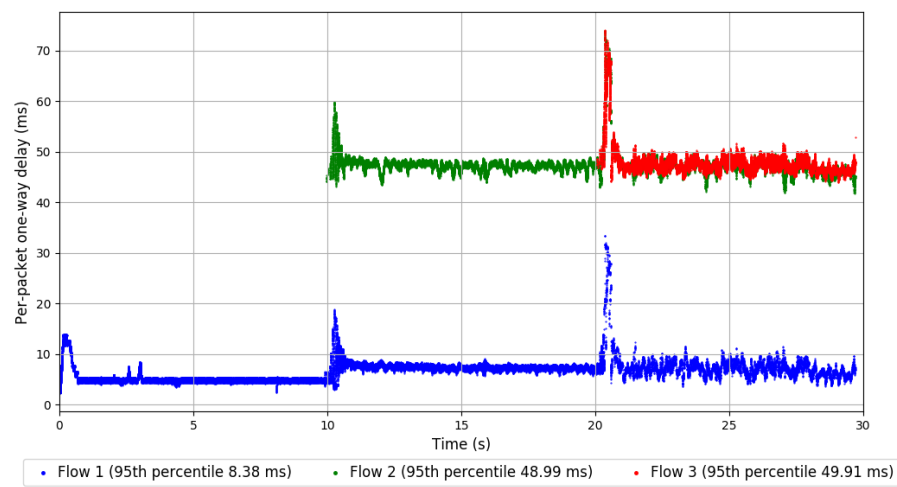
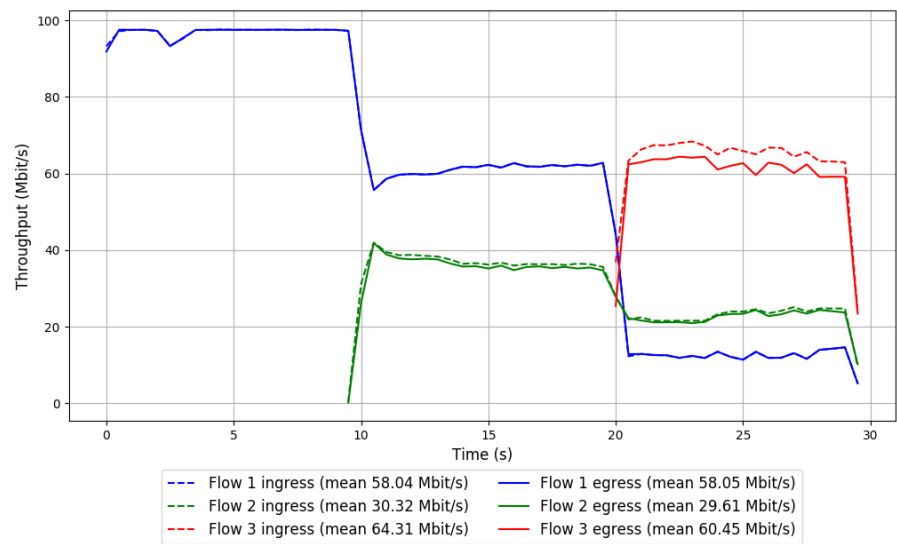


Run 8: Statistics of Indigo-1-32

Start at: 2018-01-26 15:55:35  
End at: 2018-01-26 15:56:05  
Local clock offset: 0.212 ms  
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-01-26 17:19:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 48.637 ms  
Loss rate: 1.85%  
-- Flow 1:  
Average throughput: 58.05 Mbit/s  
95th percentile per-packet one-way delay: 8.380 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 29.61 Mbit/s  
95th percentile per-packet one-way delay: 48.987 ms  
Loss rate: 2.52%  
-- Flow 3:  
Average throughput: 60.45 Mbit/s  
95th percentile per-packet one-way delay: 49.907 ms  
Loss rate: 6.35%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-01-26 16:13:49

End at: 2018-01-26 16:14:19

Local clock offset: 0.187 ms

Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-01-26 17:19:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 51.265 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 52.40 Mbit/s

95th percentile per-packet one-way delay: 11.586 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.72 Mbit/s

95th percentile per-packet one-way delay: 12.234 ms

Loss rate: 0.00%

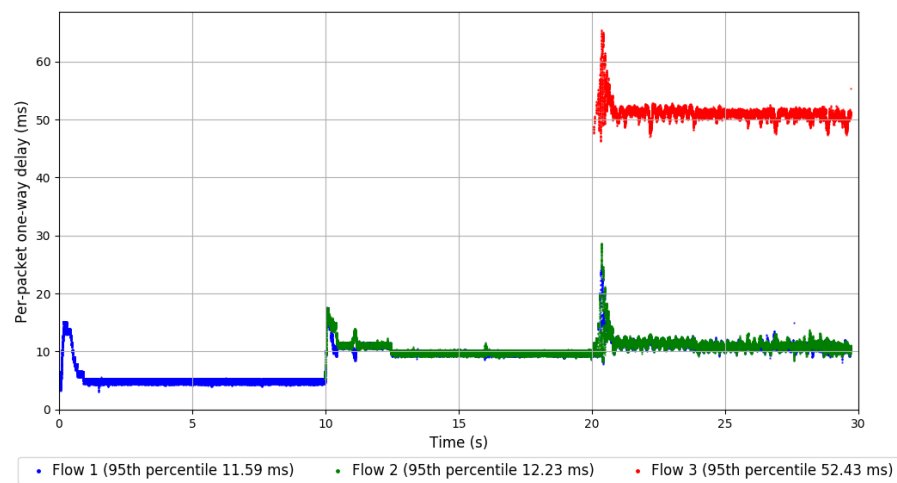
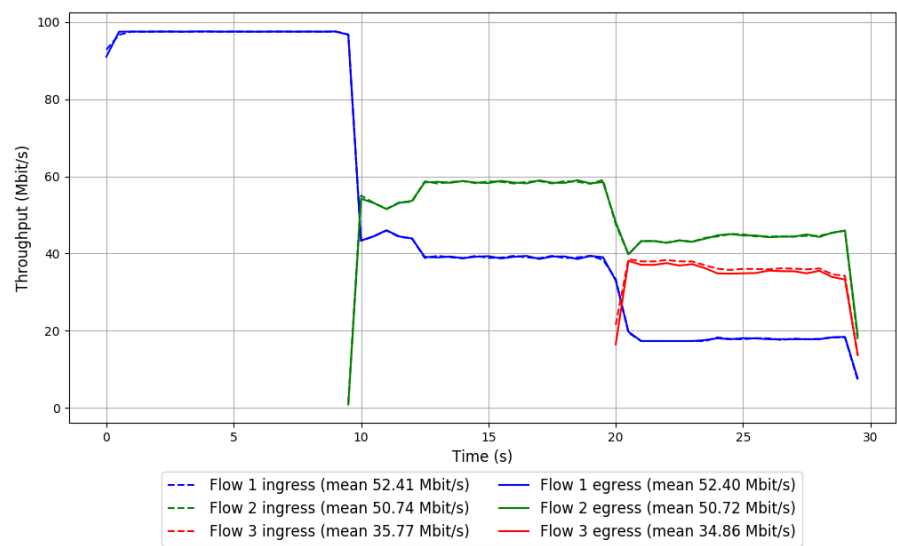
-- Flow 3:

Average throughput: 34.86 Mbit/s

95th percentile per-packet one-way delay: 52.429 ms

Loss rate: 2.83%

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



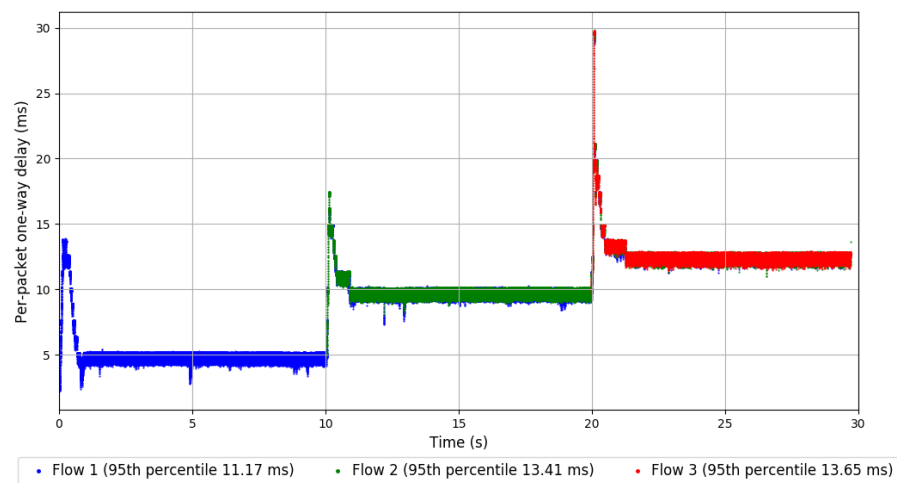
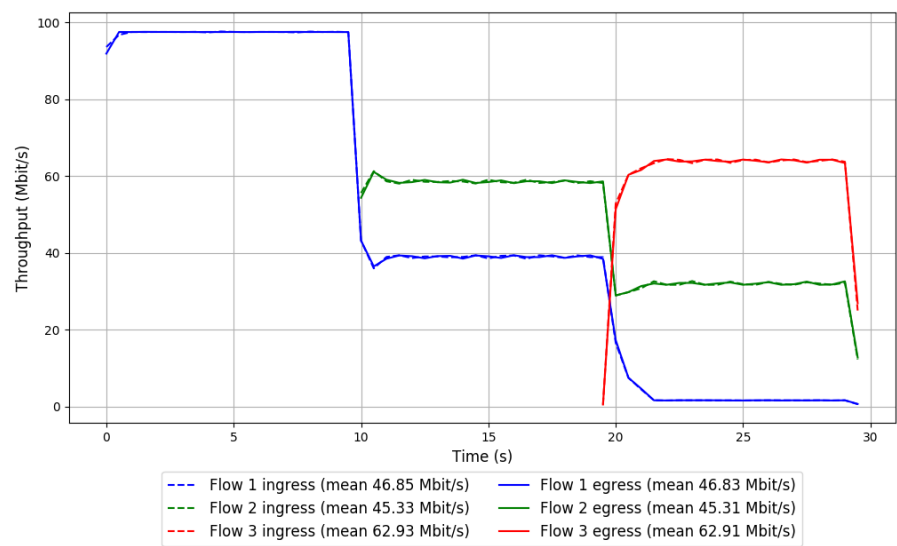
Run 10: Statistics of Indigo-1-32

Start at: 2018-01-26 16:32:03  
End at: 2018-01-26 16:32:33  
Local clock offset: 0.253 ms  
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-01-26 17:19:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.44 Mbit/s  
95th percentile per-packet one-way delay: 13.007 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 46.83 Mbit/s  
95th percentile per-packet one-way delay: 11.174 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 45.31 Mbit/s  
95th percentile per-packet one-way delay: 13.407 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 62.91 Mbit/s  
95th percentile per-packet one-way delay: 13.650 ms  
Loss rate: 0.00%



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

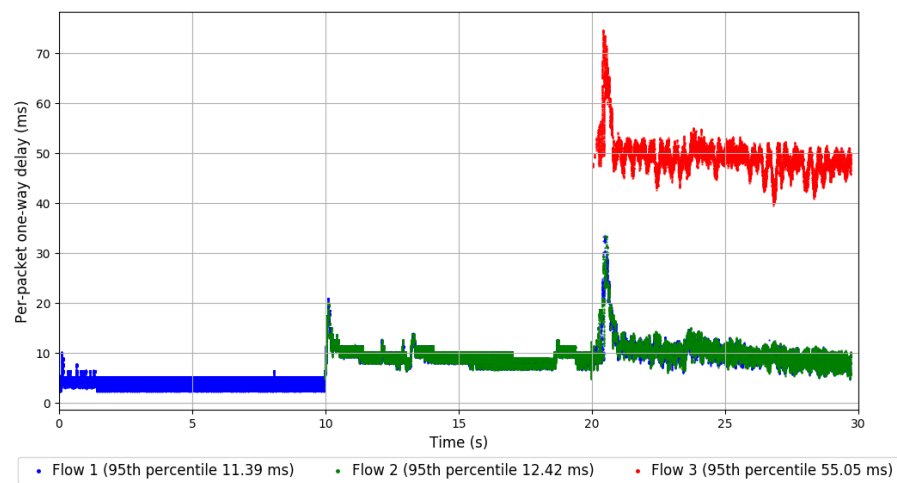
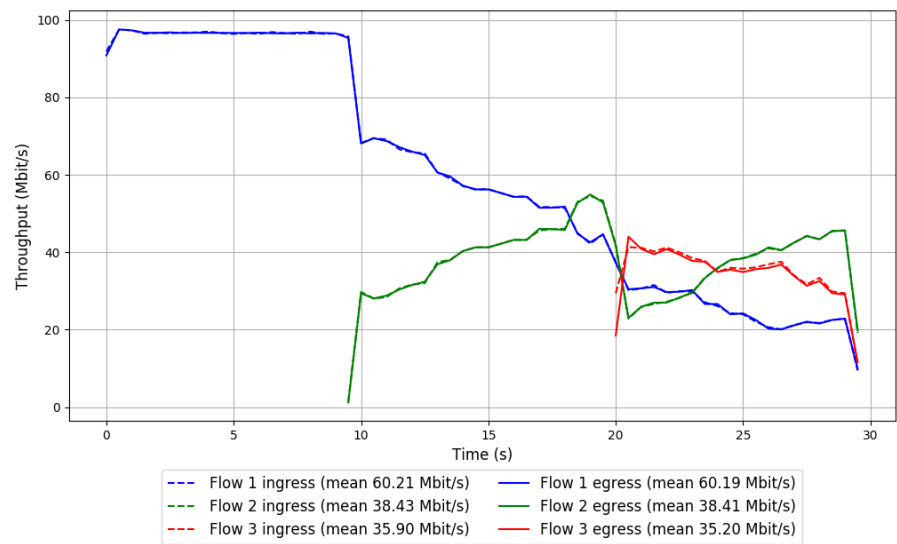


Run 1: Statistics of Indigo-1-128

Start at: 2018-01-26 13:41:20  
End at: 2018-01-26 13:41:50  
Local clock offset: 0.171 ms  
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-01-26 17:19:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.16 Mbit/s  
95th percentile per-packet one-way delay: 49.589 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 60.19 Mbit/s  
95th percentile per-packet one-way delay: 11.391 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 38.41 Mbit/s  
95th percentile per-packet one-way delay: 12.417 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 35.20 Mbit/s  
95th percentile per-packet one-way delay: 55.051 ms  
Loss rate: 2.32%

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

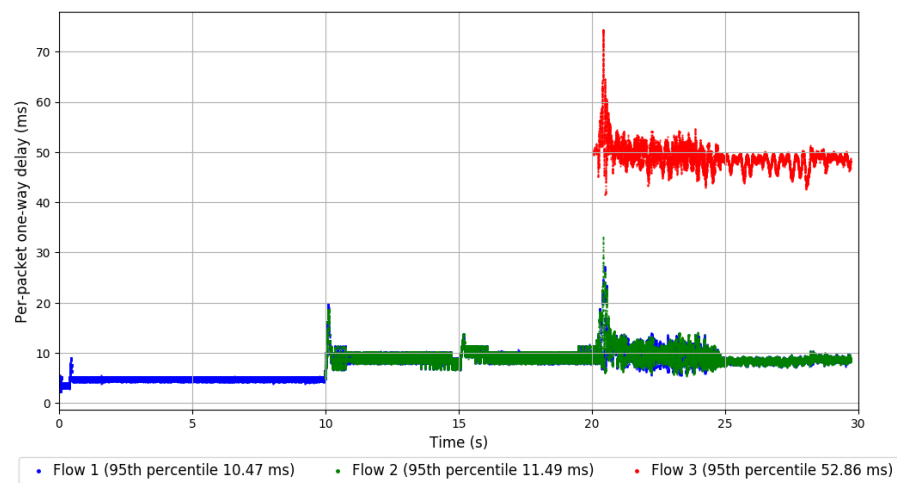
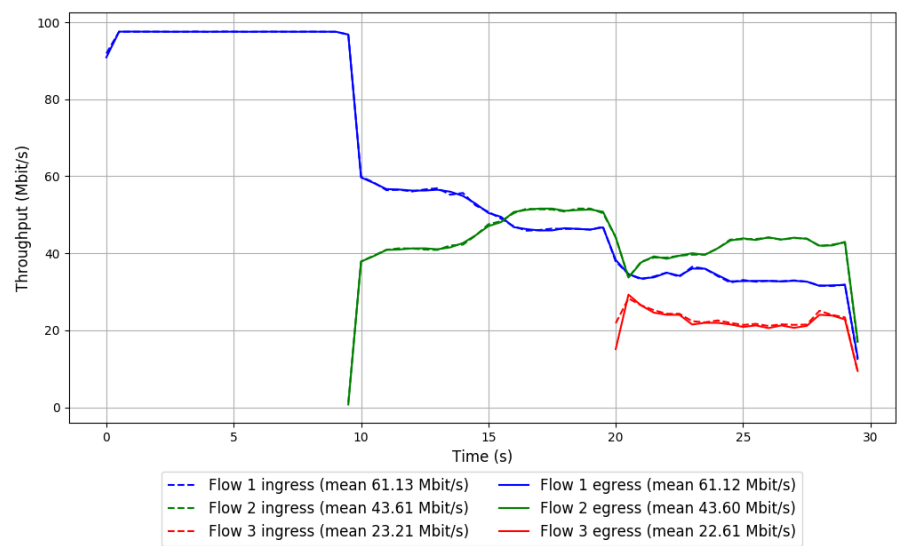


Run 2: Statistics of Indigo-1-128

Start at: 2018-01-26 13:59:34  
End at: 2018-01-26 14:00:04  
Local clock offset: 0.184 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-01-26 17:20:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.42 Mbit/s  
95th percentile per-packet one-way delay: 48.348 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 61.12 Mbit/s  
95th percentile per-packet one-way delay: 10.471 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 43.60 Mbit/s  
95th percentile per-packet one-way delay: 11.490 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 22.61 Mbit/s  
95th percentile per-packet one-way delay: 52.858 ms  
Loss rate: 2.95%

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

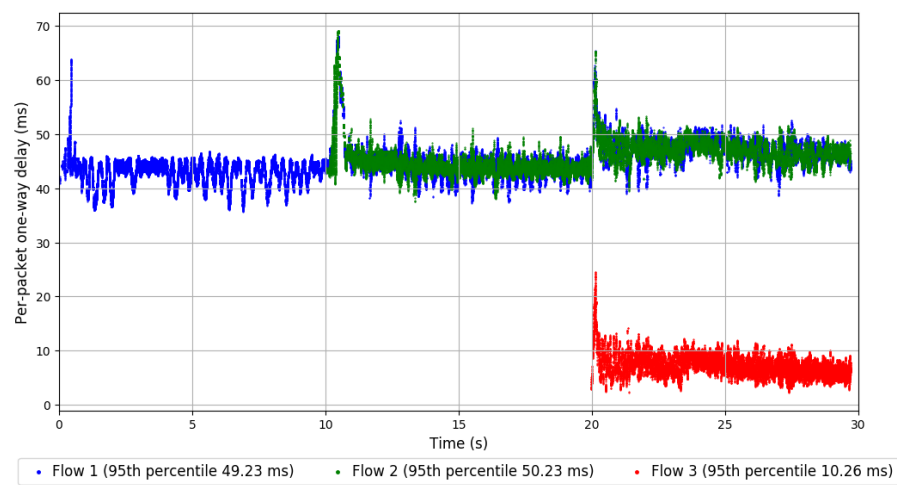
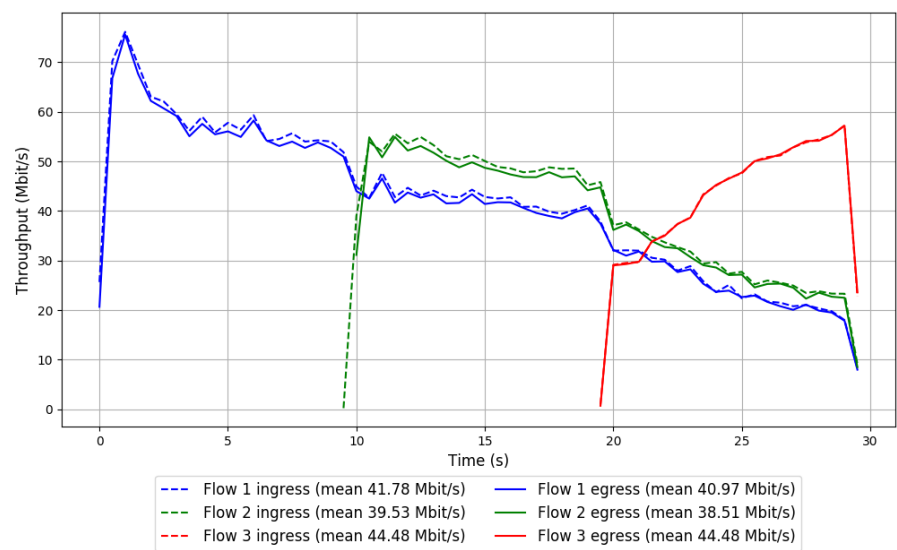


Run 3: Statistics of Indigo-1-128

Start at: 2018-01-26 14:17:45  
End at: 2018-01-26 14:18:15  
Local clock offset: 0.222 ms  
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2018-01-26 17:20:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.09 Mbit/s  
95th percentile per-packet one-way delay: 49.263 ms  
Loss rate: 1.92%  
-- Flow 1:  
Average throughput: 40.97 Mbit/s  
95th percentile per-packet one-way delay: 49.235 ms  
Loss rate: 2.08%  
-- Flow 2:  
Average throughput: 38.51 Mbit/s  
95th percentile per-packet one-way delay: 50.234 ms  
Loss rate: 2.71%  
-- Flow 3:  
Average throughput: 44.48 Mbit/s  
95th percentile per-packet one-way delay: 10.258 ms  
Loss rate: 0.00%

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



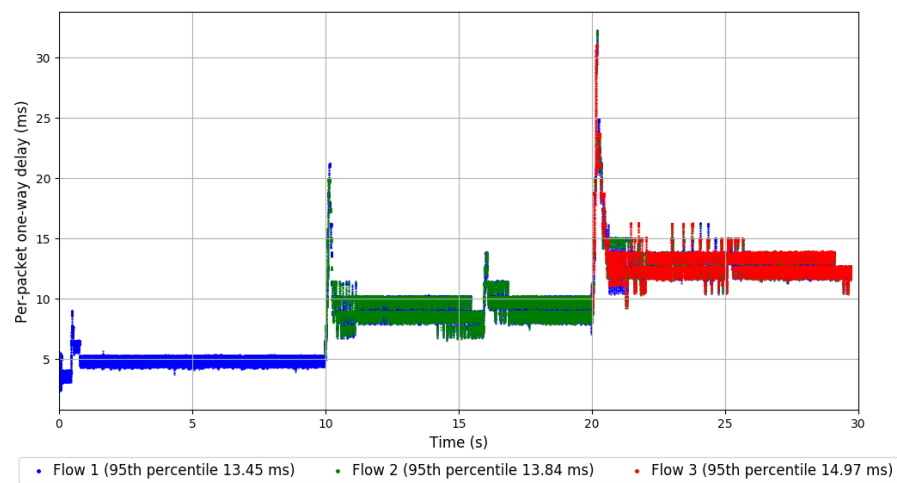
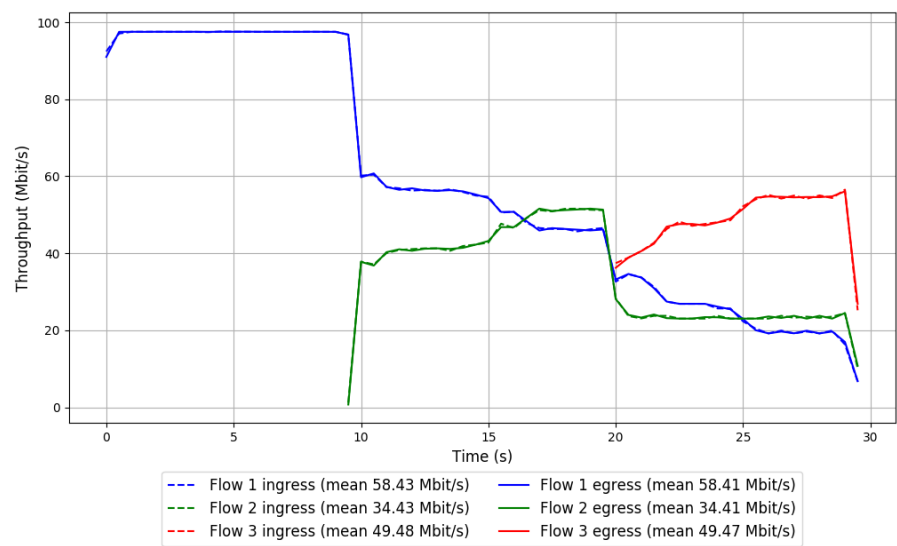
Run 4: Statistics of Indigo-1-128

Start at: 2018-01-26 14:35:56  
End at: 2018-01-26 14:36:26  
Local clock offset: 0.19 ms  
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2018-01-26 17:20:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 13.758 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.41 Mbit/s  
95th percentile per-packet one-way delay: 13.450 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.41 Mbit/s  
95th percentile per-packet one-way delay: 13.837 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.47 Mbit/s  
95th percentile per-packet one-way delay: 14.972 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 14:54:11

End at: 2018-01-26 14:54:41

Local clock offset: 0.275 ms

Remote clock offset: -0.24 ms

# Below is generated by plot.py at 2018-01-26 17:20:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 13.547 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 12.351 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 13.535 ms

Loss rate: 0.00%

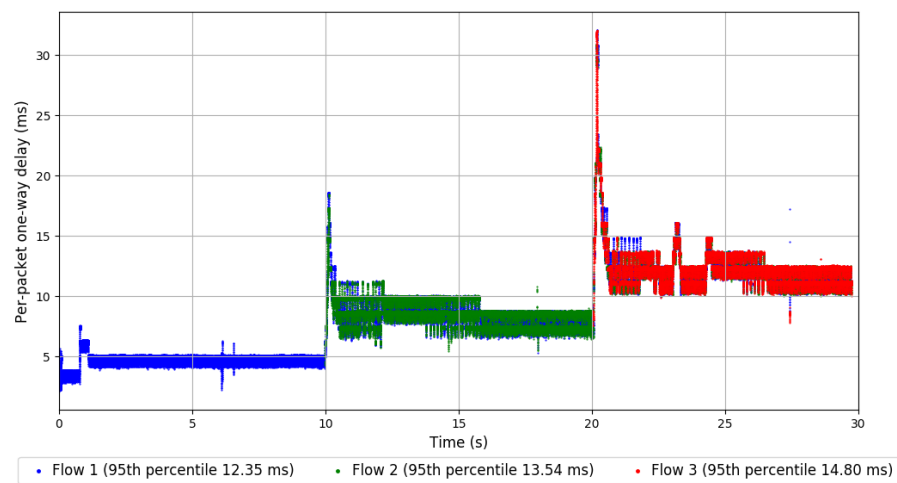
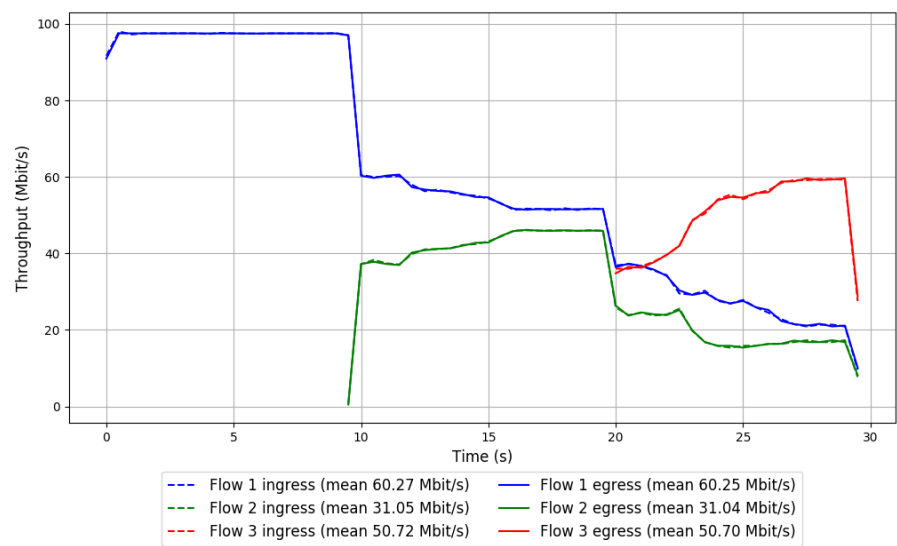
-- Flow 3:

Average throughput: 50.70 Mbit/s

95th percentile per-packet one-way delay: 14.800 ms

Loss rate: 0.00%

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

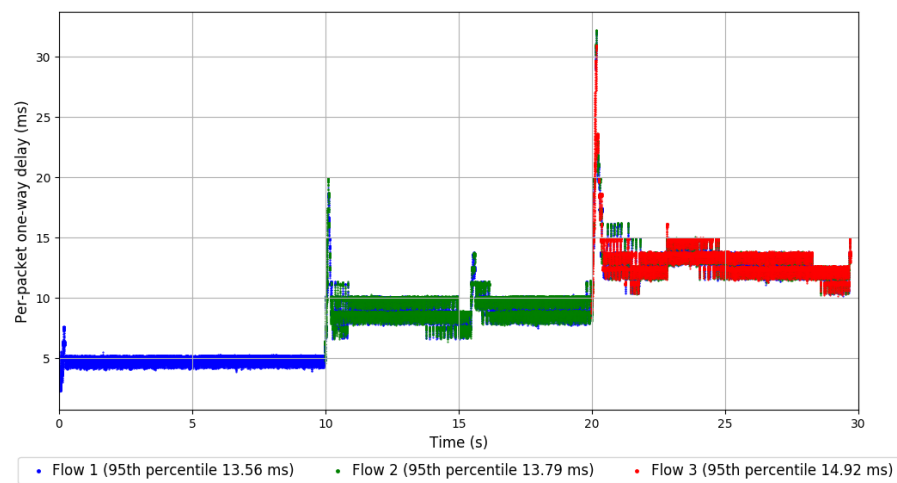
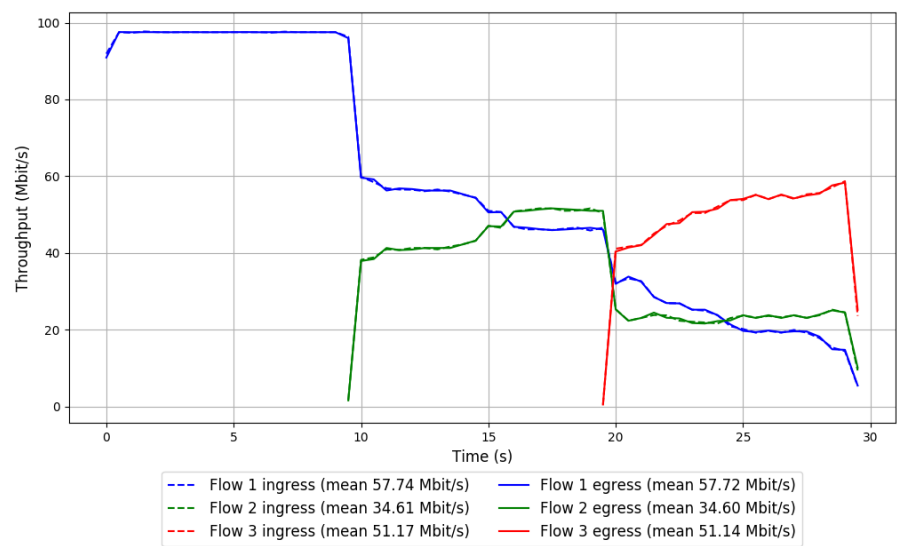


Run 6: Statistics of Indigo-1-128

Start at: 2018-01-26 15:12:24  
End at: 2018-01-26 15:12:54  
Local clock offset: 0.197 ms  
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-01-26 17:20:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.43 Mbit/s  
95th percentile per-packet one-way delay: 13.784 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.72 Mbit/s  
95th percentile per-packet one-way delay: 13.557 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.60 Mbit/s  
95th percentile per-packet one-way delay: 13.790 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 51.14 Mbit/s  
95th percentile per-packet one-way delay: 14.922 ms  
Loss rate: 0.00%

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

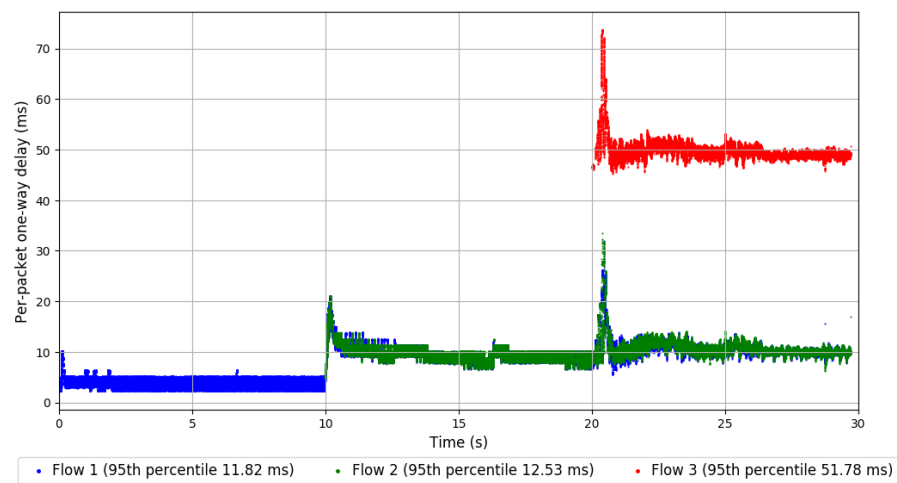
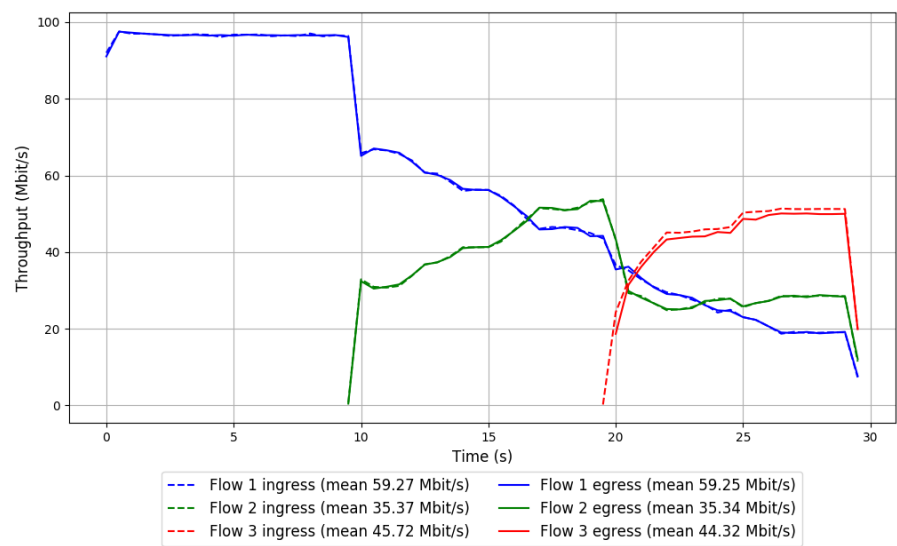


Run 7: Statistics of Indigo-1-128

Start at: 2018-01-26 15:30:37  
End at: 2018-01-26 15:31:07  
Local clock offset: 0.273 ms  
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-01-26 17:20:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 50.006 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 59.25 Mbit/s  
95th percentile per-packet one-way delay: 11.822 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 35.34 Mbit/s  
95th percentile per-packet one-way delay: 12.529 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 44.32 Mbit/s  
95th percentile per-packet one-way delay: 51.778 ms  
Loss rate: 3.42%

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



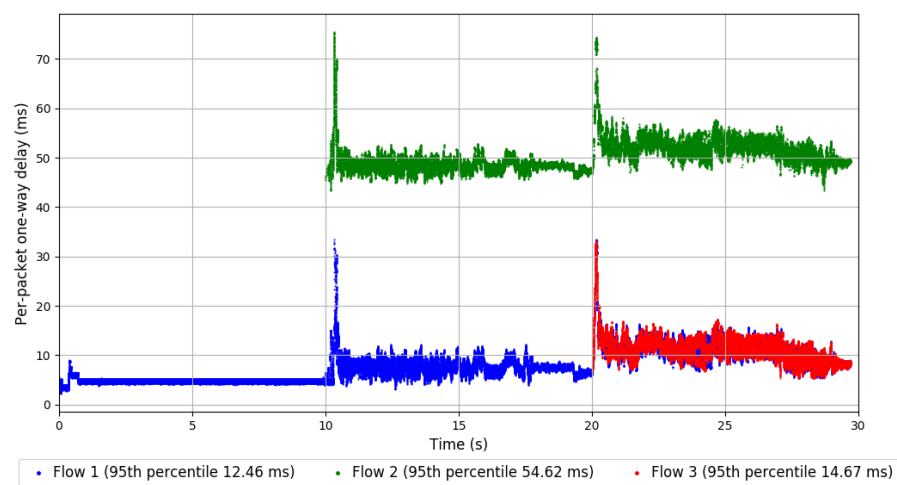
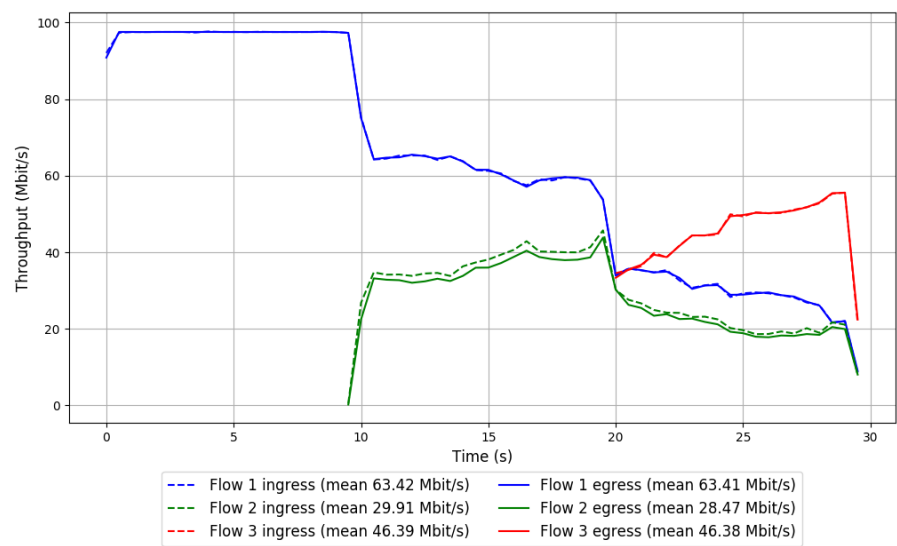
Run 8: Statistics of Indigo-1-128

Start at: 2018-01-26 15:48:51  
End at: 2018-01-26 15:49:21  
Local clock offset: 0.257 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-01-26 17:21:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.42 Mbit/s  
95th percentile per-packet one-way delay: 51.211 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 63.41 Mbit/s  
95th percentile per-packet one-way delay: 12.455 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 28.47 Mbit/s  
95th percentile per-packet one-way delay: 54.621 ms  
Loss rate: 4.96%  
-- Flow 3:  
Average throughput: 46.38 Mbit/s  
95th percentile per-packet one-way delay: 14.668 ms  
Loss rate: 0.00%



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

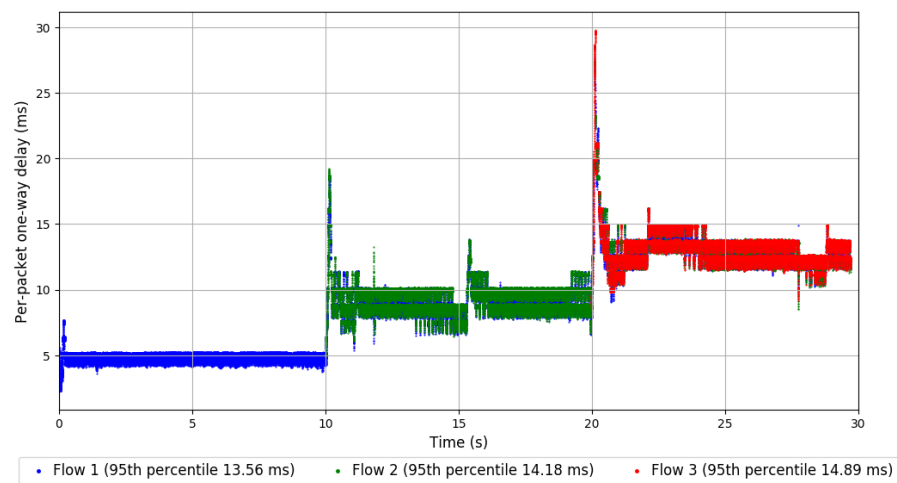
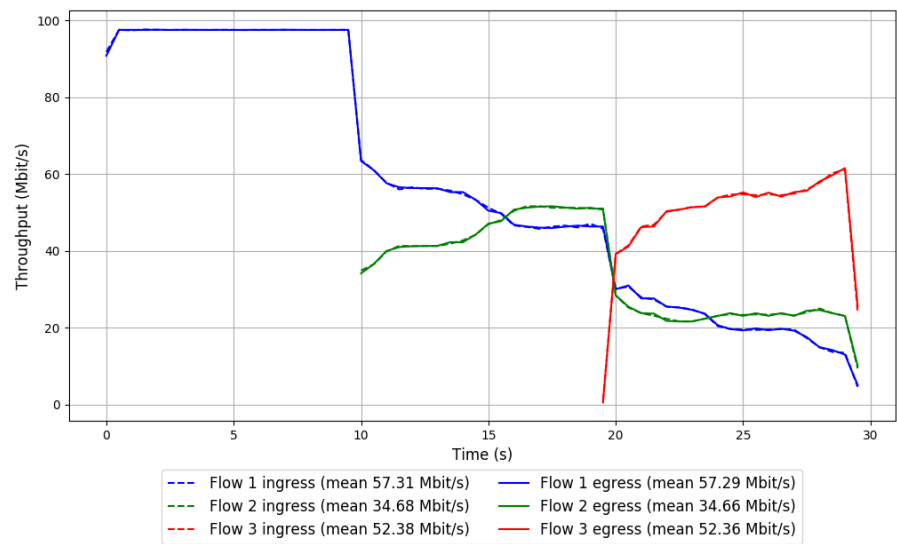


Run 9: Statistics of Indigo-1-128

Start at: 2018-01-26 16:07:04  
End at: 2018-01-26 16:07:34  
Local clock offset: 0.241 ms  
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-01-26 17:21:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.42 Mbit/s  
95th percentile per-packet one-way delay: 13.763 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 57.29 Mbit/s  
95th percentile per-packet one-way delay: 13.562 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 34.66 Mbit/s  
95th percentile per-packet one-way delay: 14.179 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.36 Mbit/s  
95th percentile per-packet one-way delay: 14.895 ms  
Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-128

Start at: 2018-01-26 16:25:19

End at: 2018-01-26 16:25:49

Local clock offset: 0.27 ms

Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-01-26 17:21:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 49.326 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 9.534 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.50 Mbit/s

95th percentile per-packet one-way delay: 50.816 ms

Loss rate: 2.54%

-- Flow 3:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 52.547 ms

Loss rate: 4.48%

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

