

## Pantheon Report

Generated at 2017-09-22 06:25:54 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

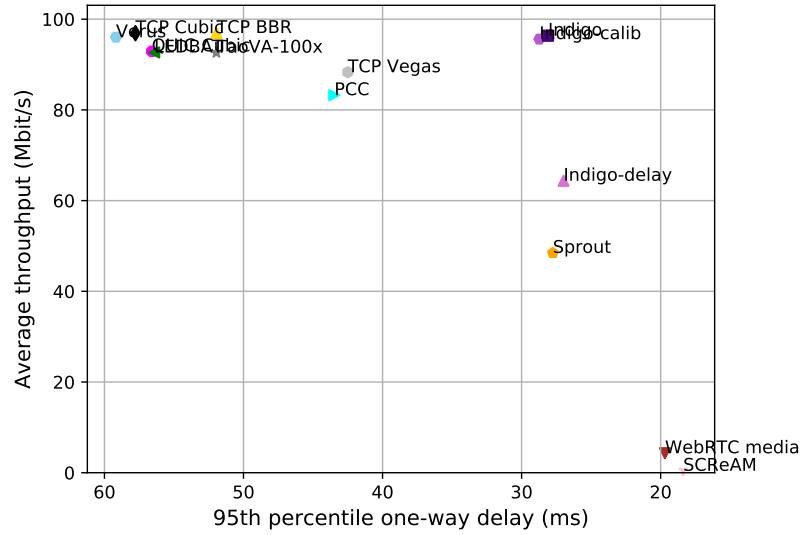
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

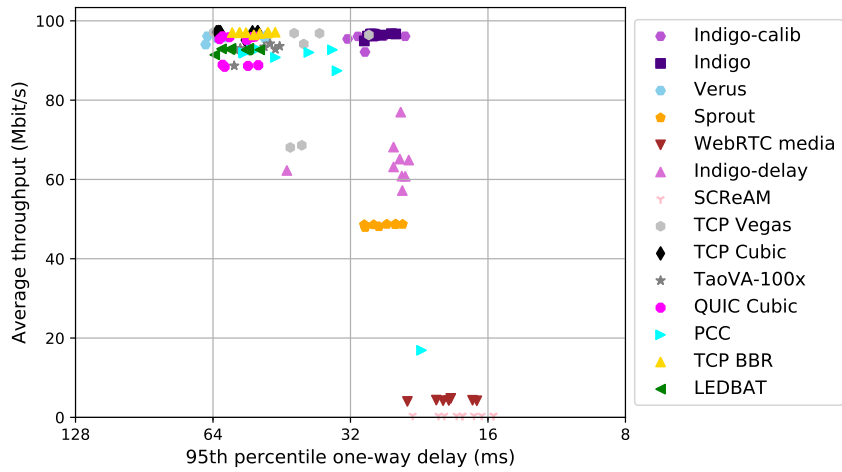
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from India Ethernet to AWS India 1 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	60.43	38.05	32.49	45.84	53.29	57.44	0.11	0.18	0.54
TCP Cubic	9	59.09	40.78	38.29	56.97	55.88	49.15	0.11	0.31	0.96
LEDBAT	9	57.03	39.90	29.68	55.16	53.31	53.27	0.12	0.25	0.83
PCC	9	57.58	28.74	19.85	41.98	42.27	37.01	0.48	0.76	0.44
QUIC Cubic	10	55.39	39.45	34.40	54.66	54.82	52.32	0.11	0.23	0.61
SCReAM	10	0.21	0.21	0.22	18.38	18.37	18.40	0.07	0.10	0.11
WebRTC media	7	2.30	1.45	0.57	19.39	19.77	20.29	0.11	0.12	0.61
Sprout	10	24.41	24.24	23.92	27.38	27.36	28.84	0.11	0.18	0.26
TaoVA-100x	9	57.82	40.89	30.07	47.86	48.55	51.65	0.10	0.24	0.68
TCP Vegas	7	43.91	48.80	40.58	510.91	41.24	37.27	0.04	0.13	0.29
Verus	10	56.98	42.69	30.82	58.51	51.10	56.36	0.11	0.24	0.66
Indigo	10	61.69	36.81	31.44	27.97	27.40	29.79	0.07	0.11	0.31
Indigo-calib	10	58.96	38.55	34.06	28.10	31.47	31.33	0.06	0.12	0.31
Indigo-delay	9	36.70	26.17	29.05	24.78	26.15	29.48	0.10	0.14	0.32

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 23:28:35

End at: 2017-09-21 23:29:05

Local clock offset: -0.124 ms

Remote clock offset: -3.6 ms

# Below is generated by plot.py at 2017-09-22 06:06:54

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.13 Mbit/s

95th percentile per-packet one-way delay: 46.769 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 43.697 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.81 Mbit/s

95th percentile per-packet one-way delay: 47.732 ms

Loss rate: 0.21%

-- Flow 3:

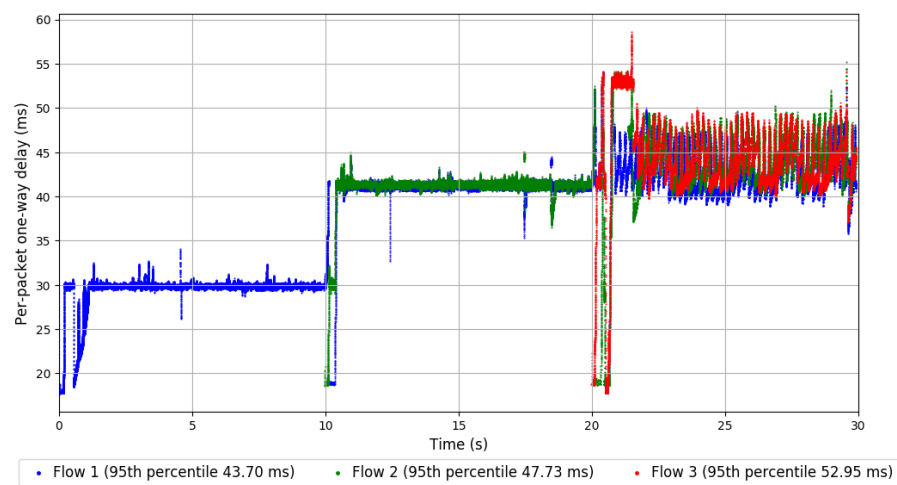
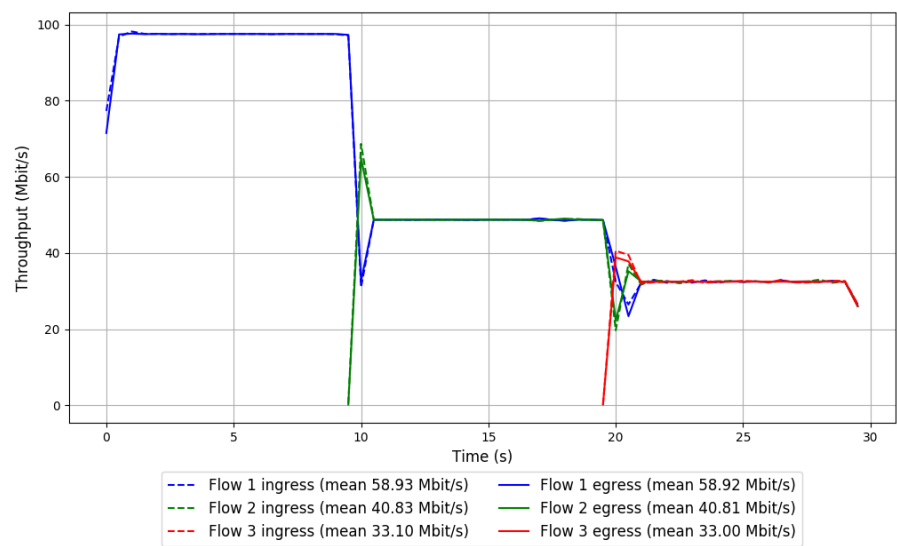
Average throughput: 33.00 Mbit/s

95th percentile per-packet one-way delay: 52.947 ms

Loss rate: 0.54%



Run 1: Report of TCP BBR — Data Link

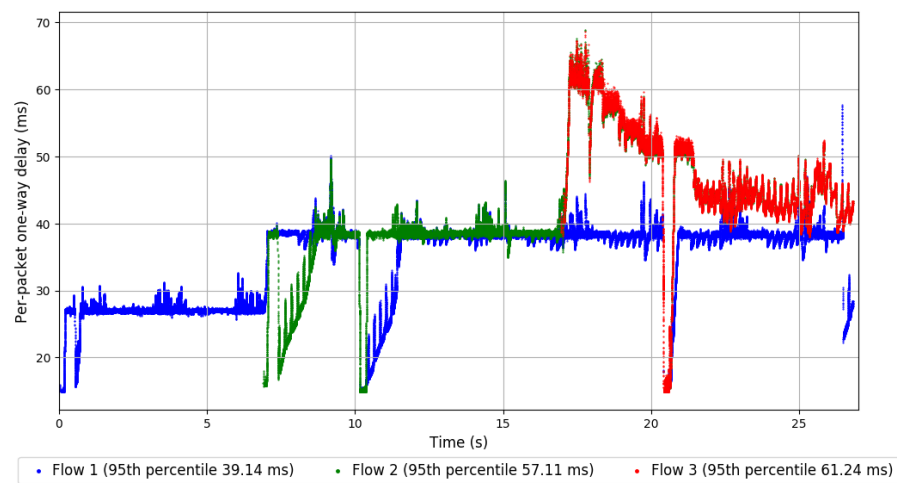
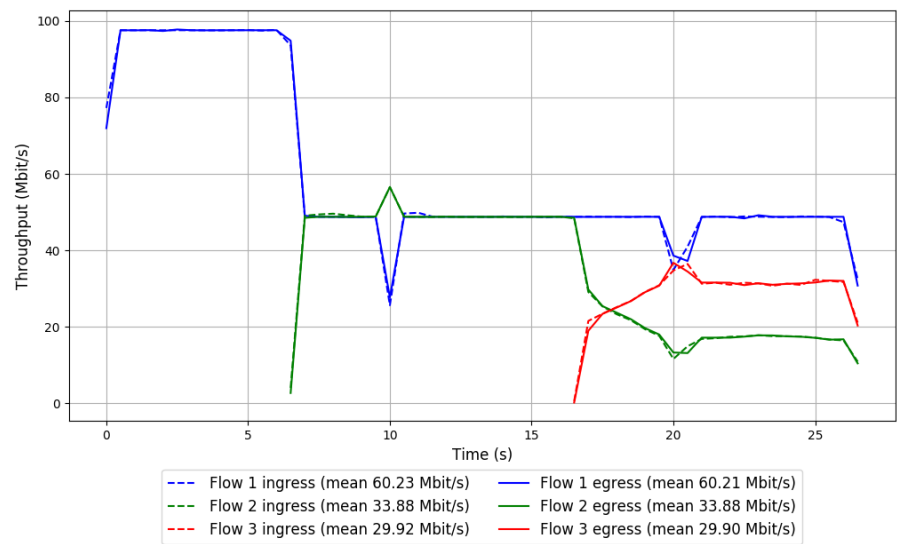


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 23:45:46  
End at: 2017-09-21 23:46:16  
Local clock offset: -2.203 ms  
Remote clock offset: -2.711 ms

# Below is generated by plot.py at 2017-09-22 06:06:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.45 Mbit/s  
95th percentile per-packet one-way delay: 52.110 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 60.21 Mbit/s  
95th percentile per-packet one-way delay: 39.136 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 33.88 Mbit/s  
95th percentile per-packet one-way delay: 57.114 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 29.90 Mbit/s  
95th percentile per-packet one-way delay: 61.245 ms  
Loss rate: 0.57%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-22 00:05:16

End at: 2017-09-22 00:05:46

Local clock offset: -1.427 ms

Remote clock offset: -3.22 ms

# Below is generated by plot.py at 2017-09-22 06:06:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 48.662 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 48.149 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 51.119 ms

Loss rate: 0.17%

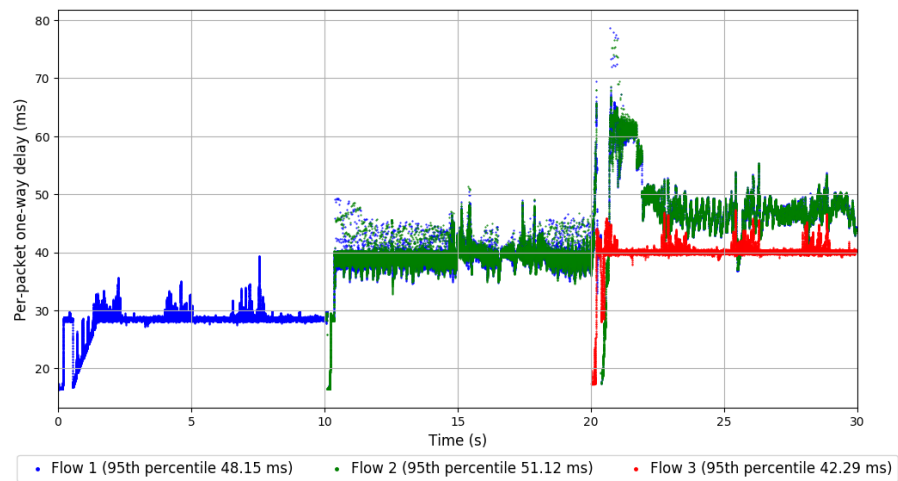
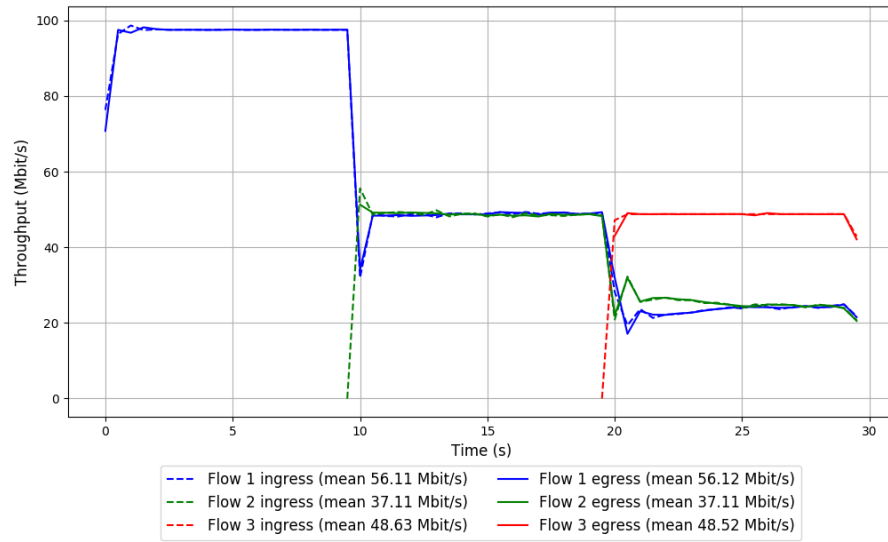
-- Flow 3:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 42.288 ms

Loss rate: 0.49%

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

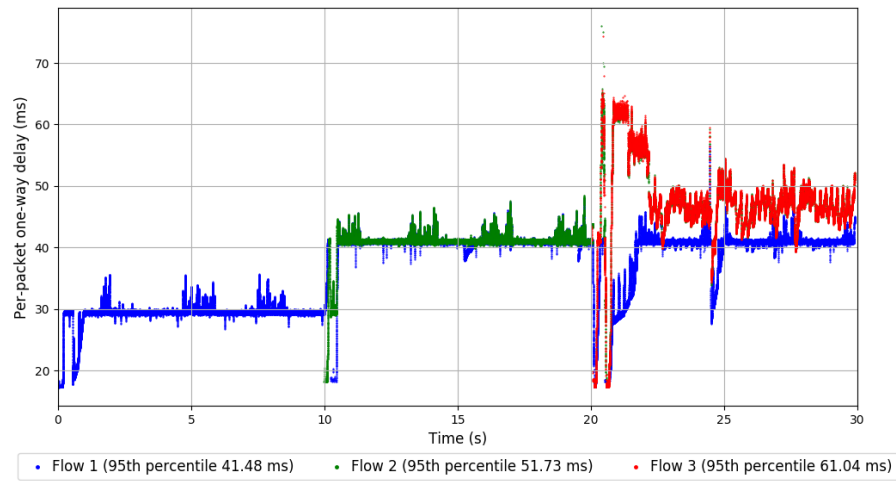
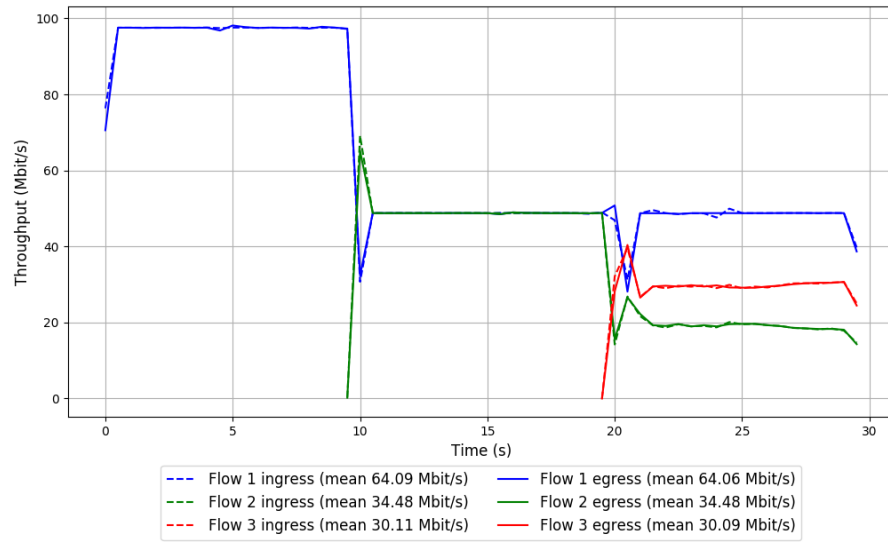


Run 4: Statistics of TCP BBR

Start at: 2017-09-22 00:23:35  
End at: 2017-09-22 00:24:05  
Local clock offset: -0.381 ms  
Remote clock offset: -2.965 ms

# Below is generated by plot.py at 2017-09-22 06:06:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.03 Mbit/s  
95th percentile per-packet one-way delay: 48.556 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 64.06 Mbit/s  
95th percentile per-packet one-way delay: 41.475 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 34.48 Mbit/s  
95th percentile per-packet one-way delay: 51.732 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 30.09 Mbit/s  
95th percentile per-packet one-way delay: 61.043 ms  
Loss rate: 0.57%

# Run 4: Report of TCP BBR — Data Link



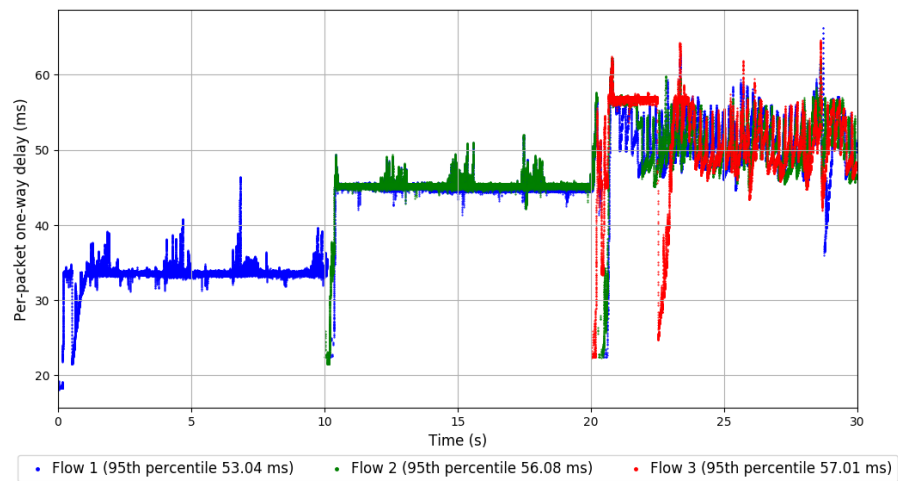
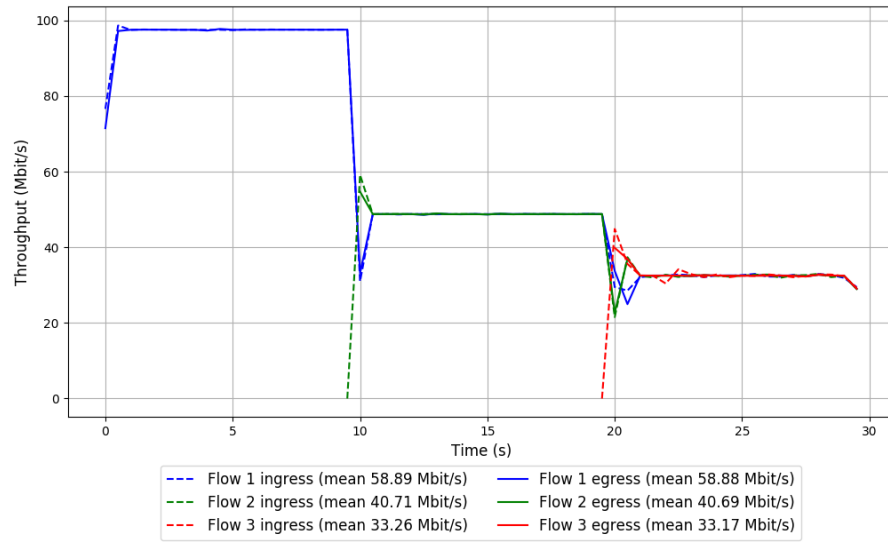
Run 5: Statistics of TCP BBR

Start at: 2017-09-22 00:42:23  
End at: 2017-09-22 00:42:53  
Local clock offset: 1.911 ms  
Remote clock offset: -2.988 ms

# Below is generated by plot.py at 2017-09-22 06:06:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.98 Mbit/s  
95th percentile per-packet one-way delay: 56.058 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 58.88 Mbit/s  
95th percentile per-packet one-way delay: 53.037 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.69 Mbit/s  
95th percentile per-packet one-way delay: 56.079 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 33.17 Mbit/s  
95th percentile per-packet one-way delay: 57.013 ms  
Loss rate: 0.56%



## Run 5: Report of TCP BBR — Data Link

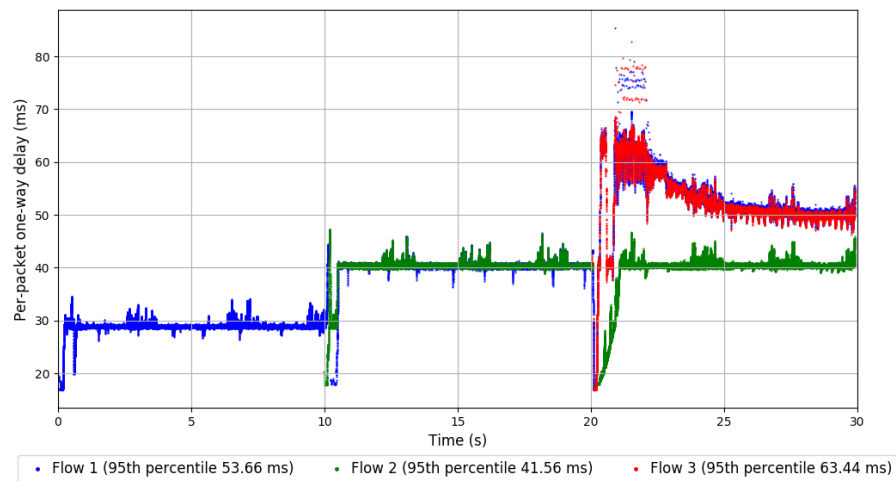
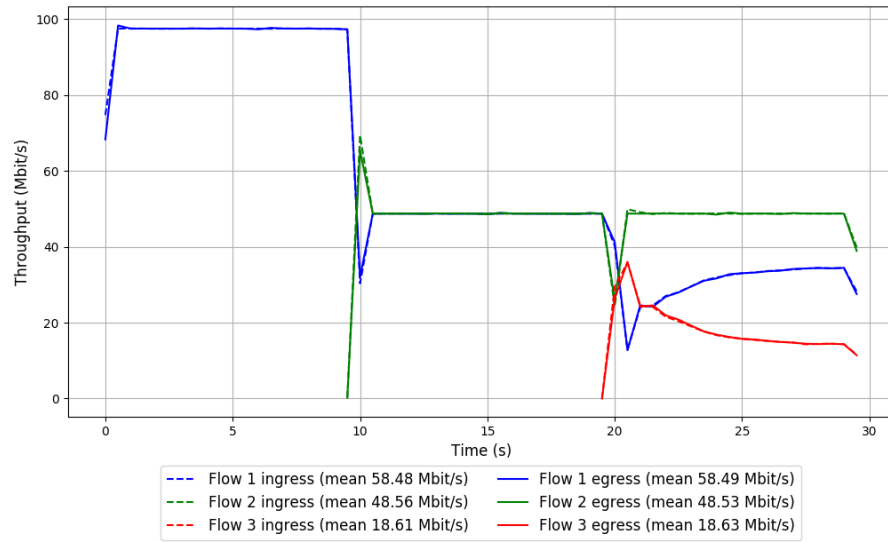


Run 6: Statistics of TCP BBR

Start at: 2017-09-22 01:00:55  
End at: 2017-09-22 01:01:25  
Local clock offset: -1.634 ms  
Remote clock offset: -1.527 ms

# Below is generated by plot.py at 2017-09-22 06:06:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.04 Mbit/s  
95th percentile per-packet one-way delay: 54.205 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 58.49 Mbit/s  
95th percentile per-packet one-way delay: 53.656 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 48.53 Mbit/s  
95th percentile per-packet one-way delay: 41.557 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 18.63 Mbit/s  
95th percentile per-packet one-way delay: 63.439 ms  
Loss rate: 0.44%

# Run 6: Report of TCP BBR — Data Link

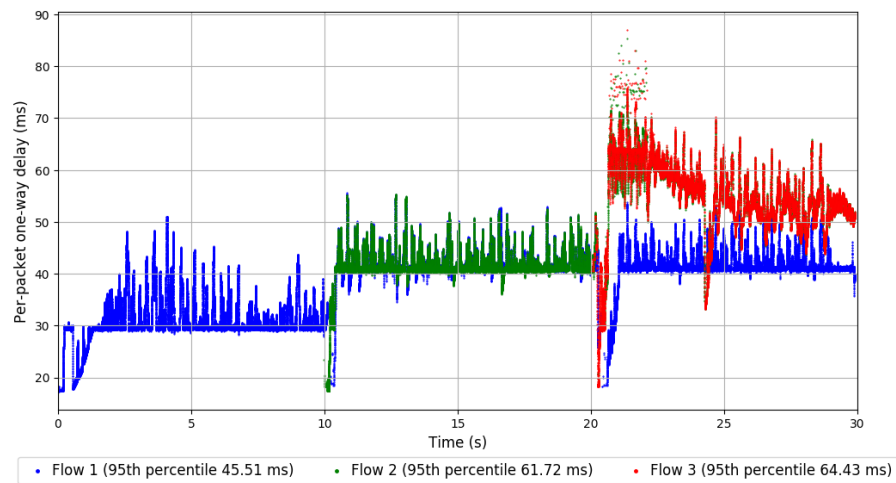
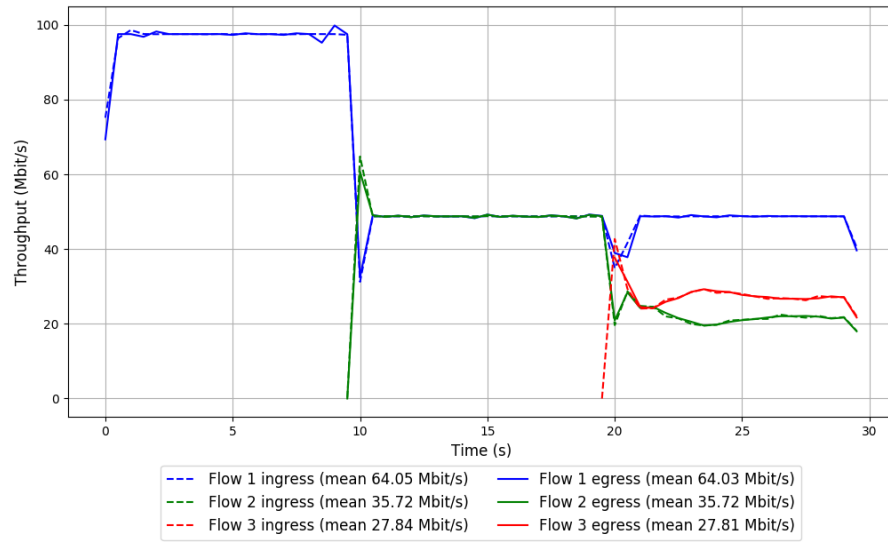


Run 7: Statistics of TCP BBR

Start at: 2017-09-22 01:20:34  
End at: 2017-09-22 01:21:04  
Local clock offset: -1.331 ms  
Remote clock offset: -1.926 ms

# Below is generated by plot.py at 2017-09-22 06:06:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 58.100 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 64.03 Mbit/s  
95th percentile per-packet one-way delay: 45.510 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 35.72 Mbit/s  
95th percentile per-packet one-way delay: 61.715 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 27.81 Mbit/s  
95th percentile per-packet one-way delay: 64.428 ms  
Loss rate: 0.59%

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



Run 8: Statistics of TCP BBR

Start at: 2017-09-22 02:01:40

End at: 2017-09-22 02:02:10

Local clock offset: -1.288 ms

Remote clock offset: -2.18 ms

# Below is generated by plot.py at 2017-09-22 06:06:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 48.423 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 64.00 Mbit/s

95th percentile per-packet one-way delay: 41.084 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 36.22 Mbit/s

95th percentile per-packet one-way delay: 52.059 ms

Loss rate: 0.17%

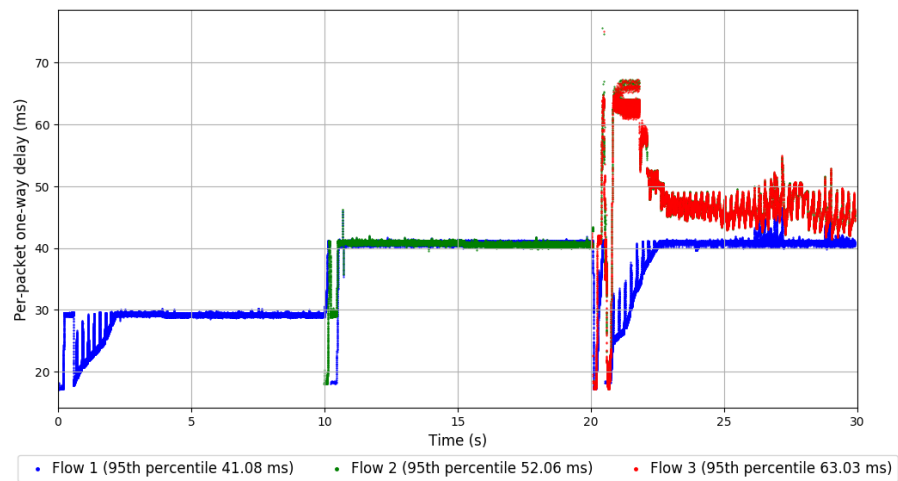
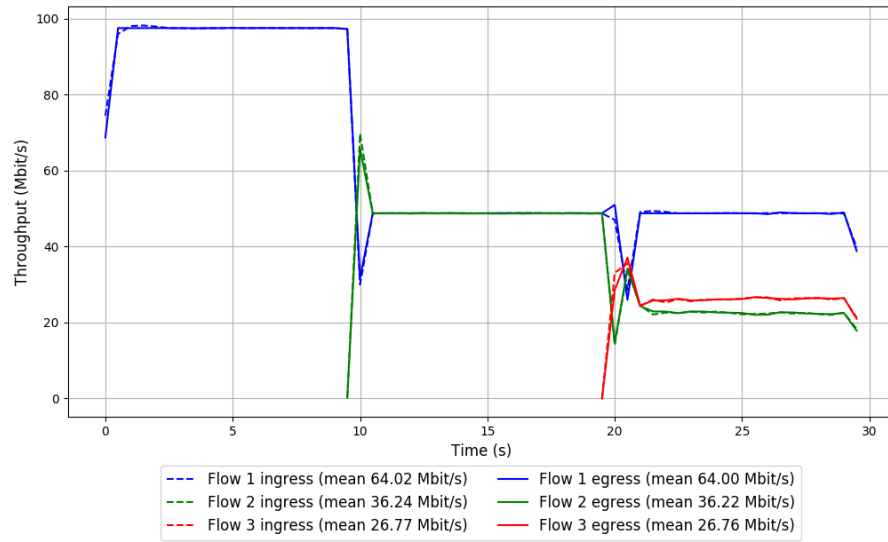
-- Flow 3:

Average throughput: 26.76 Mbit/s

95th percentile per-packet one-way delay: 63.028 ms

Loss rate: 0.50%

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



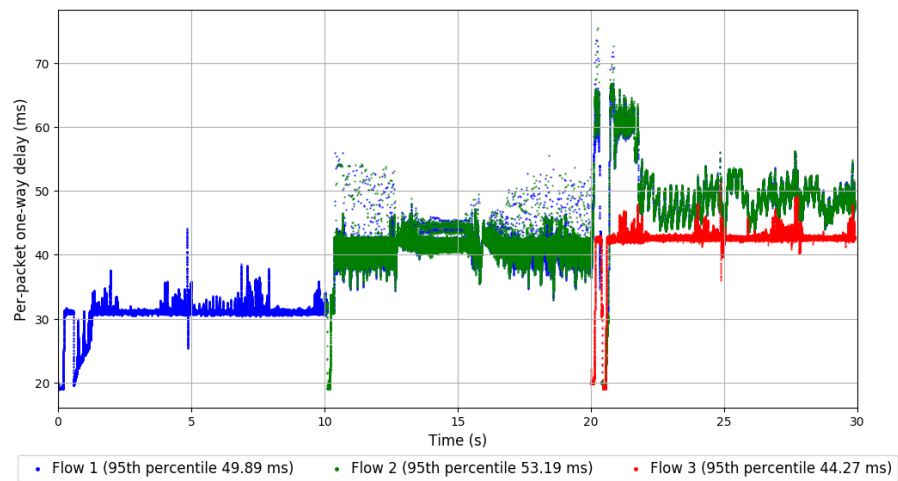
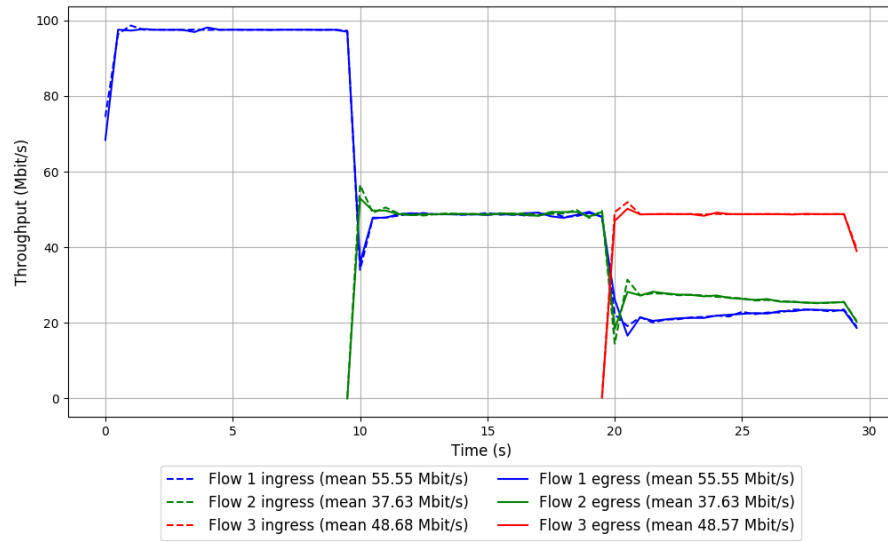
Run 9: Statistics of TCP BBR

Start at: 2017-09-22 02:20:42  
End at: 2017-09-22 02:21:12  
Local clock offset: 0.477 ms  
Remote clock offset: -2.133 ms

# Below is generated by plot.py at 2017-09-22 06:08:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.81 Mbit/s  
95th percentile per-packet one-way delay: 50.577 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 55.55 Mbit/s  
95th percentile per-packet one-way delay: 49.889 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 37.63 Mbit/s  
95th percentile per-packet one-way delay: 53.193 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 48.57 Mbit/s  
95th percentile per-packet one-way delay: 44.275 ms  
Loss rate: 0.50%



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



Run 10: Statistics of TCP BBR

Start at: 2017-09-22 02:40:45

End at: 2017-09-22 02:41:15

Local clock offset: -0.733 ms

Remote clock offset: -2.91 ms

# Below is generated by plot.py at 2017-09-22 06:08:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 55.946 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 64.03 Mbit/s

95th percentile per-packet one-way delay: 42.771 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 35.44 Mbit/s

95th percentile per-packet one-way delay: 60.586 ms

Loss rate: 0.16%

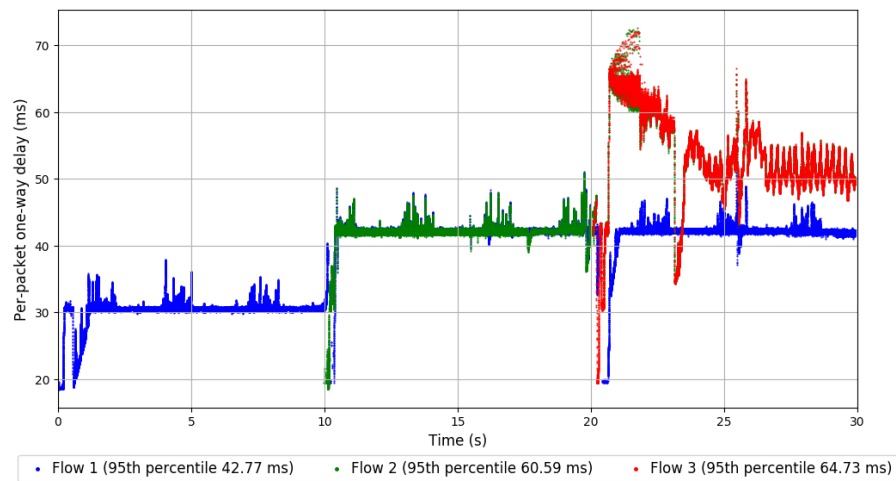
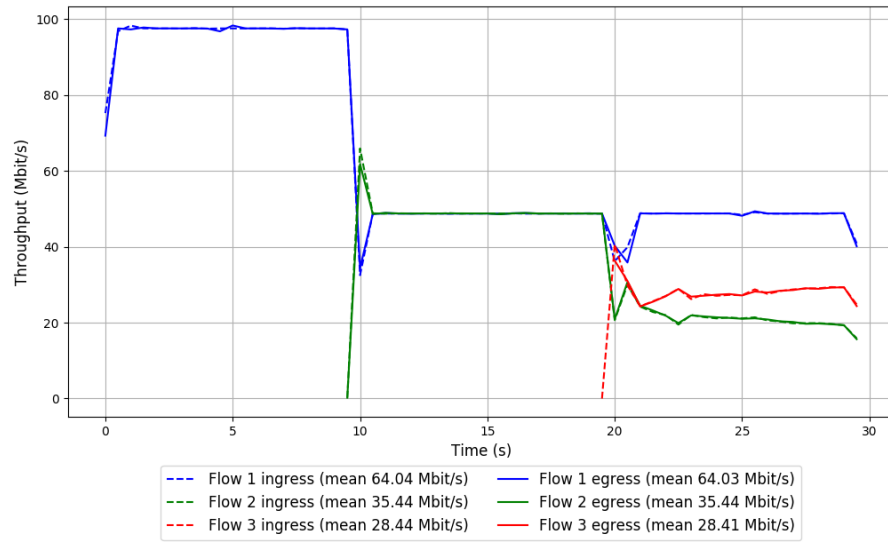
-- Flow 3:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 64.734 ms

Loss rate: 0.62%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 23:24:45

End at: 2017-09-21 23:25:15

Local clock offset: -1.958 ms

Remote clock offset: -3.2 ms

# Below is generated by plot.py at 2017-09-22 06:08:23

# Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 62.258 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 62.217 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.37 Mbit/s

95th percentile per-packet one-way delay: 62.362 ms

Loss rate: 0.22%

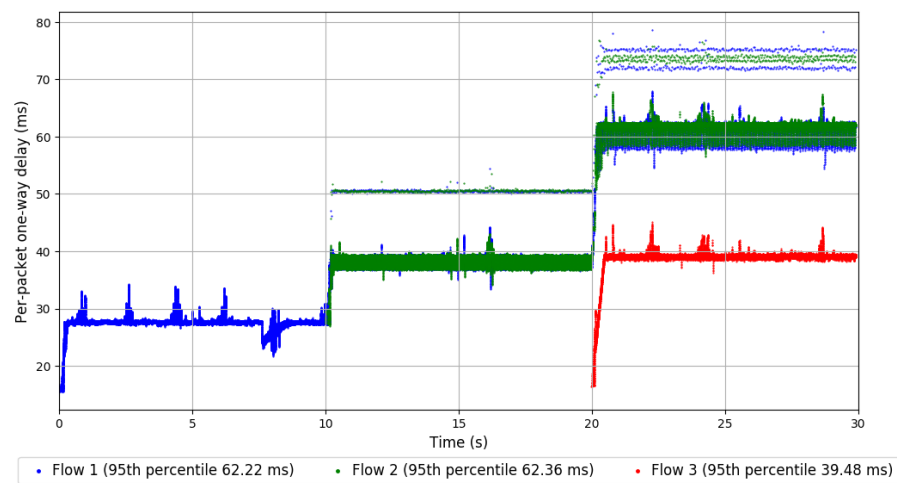
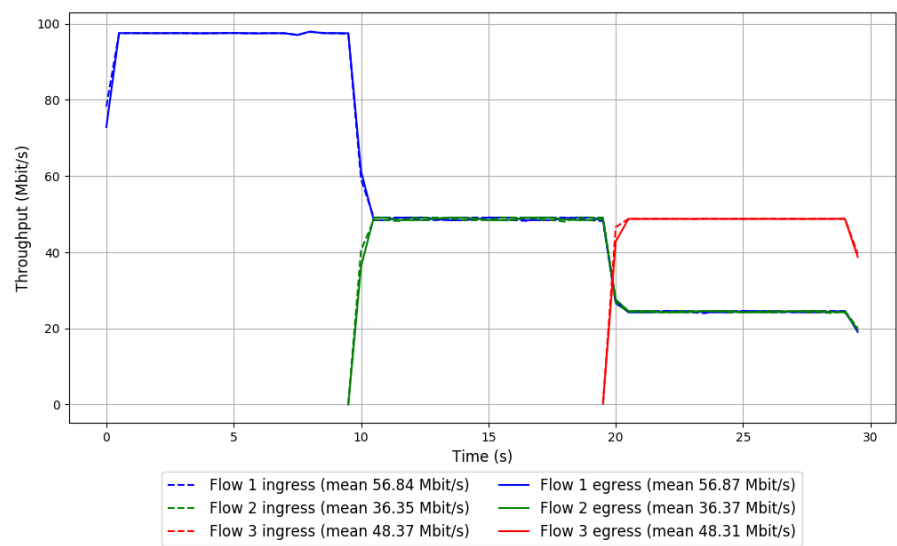
-- Flow 3:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 39.475 ms

Loss rate: 0.49%

Run 1: Report of TCP Cubic — Data Link

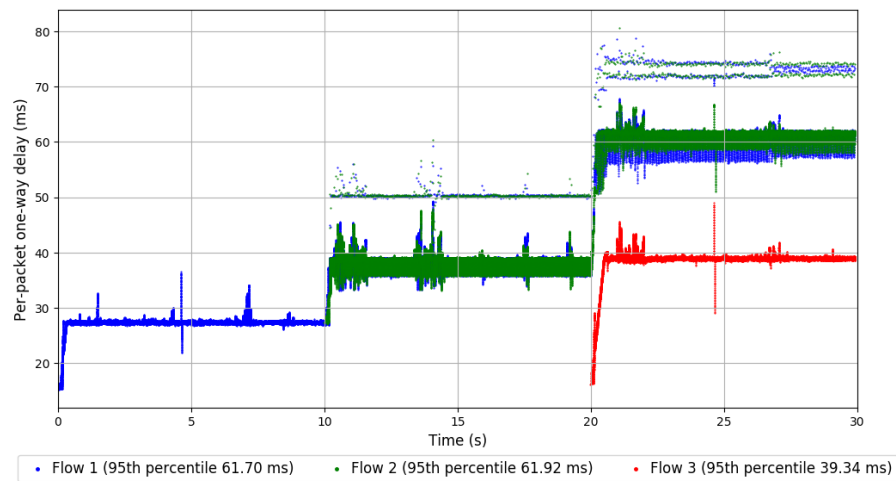
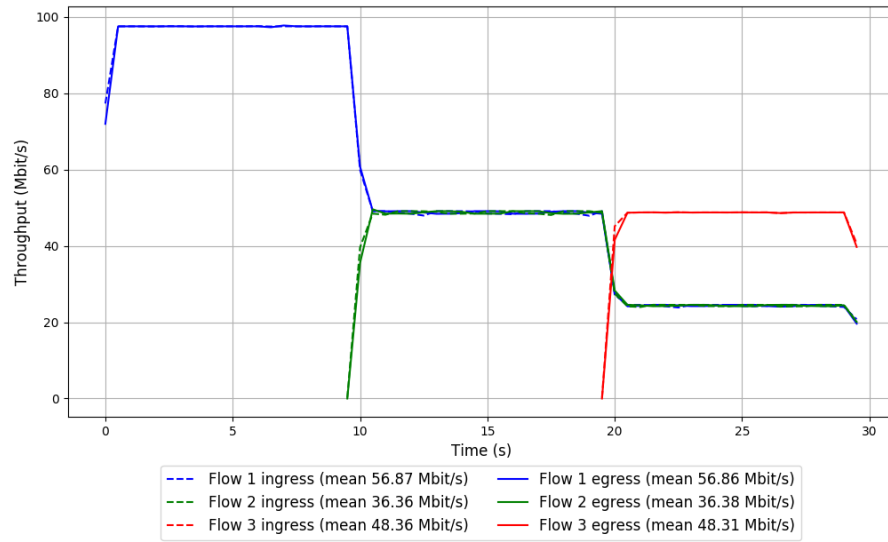


Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 23:42:05  
End at: 2017-09-21 23:42:35  
Local clock offset: -2.313 ms  
Remote clock offset: -3.187 ms

# Below is generated by plot.py at 2017-09-22 06:08:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 61.750 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.86 Mbit/s  
95th percentile per-packet one-way delay: 61.696 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 36.38 Mbit/s  
95th percentile per-packet one-way delay: 61.925 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 48.31 Mbit/s  
95th percentile per-packet one-way delay: 39.338 ms  
Loss rate: 0.49%

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



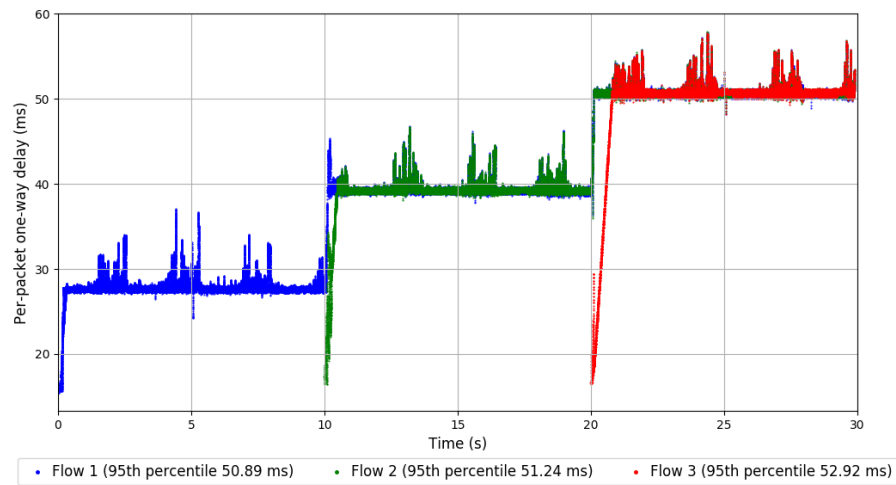
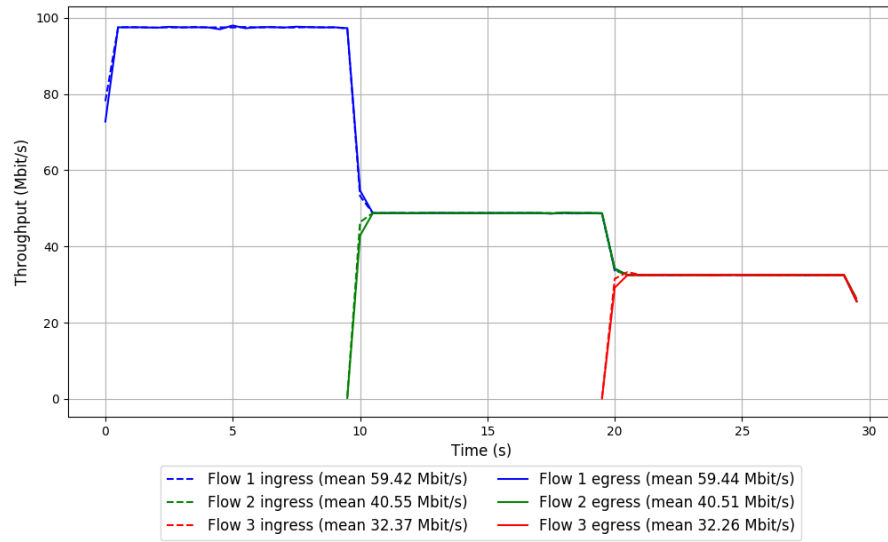
Run 3: Statistics of TCP Cubic

Start at: 2017-09-22 00:00:46  
End at: 2017-09-22 00:01:16  
Local clock offset: -2.092 ms  
Remote clock offset: -3.016 ms

# Below is generated by plot.py at 2017-09-22 06:08:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.17 Mbit/s  
95th percentile per-packet one-way delay: 51.082 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 59.44 Mbit/s  
95th percentile per-packet one-way delay: 50.889 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.51 Mbit/s  
95th percentile per-packet one-way delay: 51.244 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 32.26 Mbit/s  
95th percentile per-packet one-way delay: 52.918 ms  
Loss rate: 0.60%



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

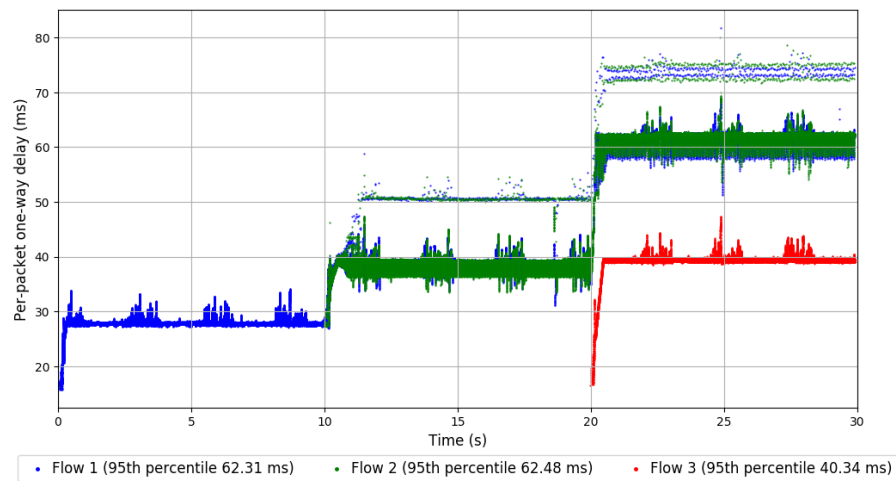
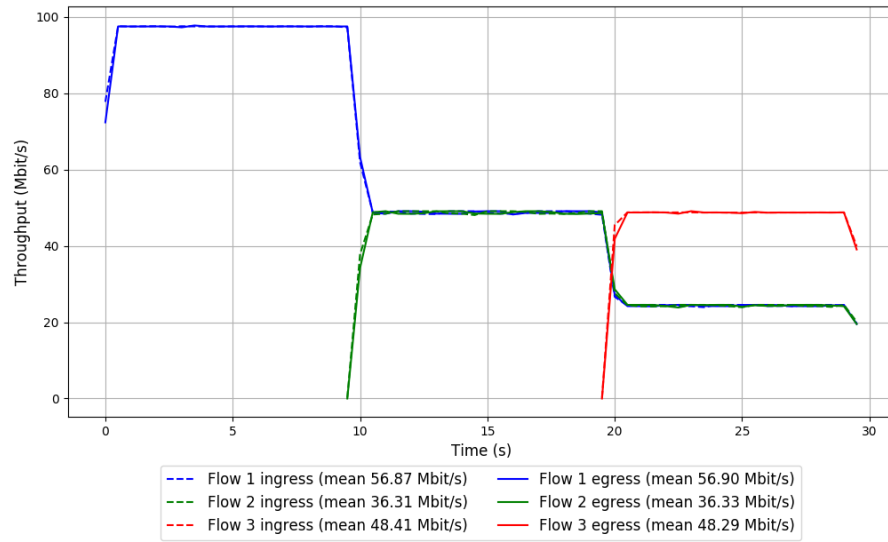


Run 4: Statistics of TCP Cubic

Start at: 2017-09-22 00:19:19  
End at: 2017-09-22 00:19:49  
Local clock offset: -1.939 ms  
Remote clock offset: -2.872 ms

# Below is generated by plot.py at 2017-09-22 06:08:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.16 Mbit/s  
95th percentile per-packet one-way delay: 62.338 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.90 Mbit/s  
95th percentile per-packet one-way delay: 62.309 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 36.33 Mbit/s  
95th percentile per-packet one-way delay: 62.482 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 48.29 Mbit/s  
95th percentile per-packet one-way delay: 40.339 ms  
Loss rate: 0.49%

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

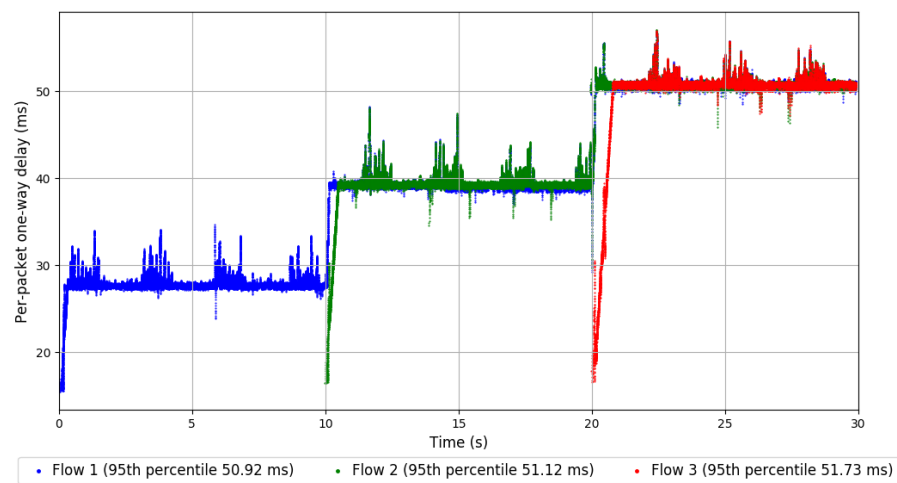
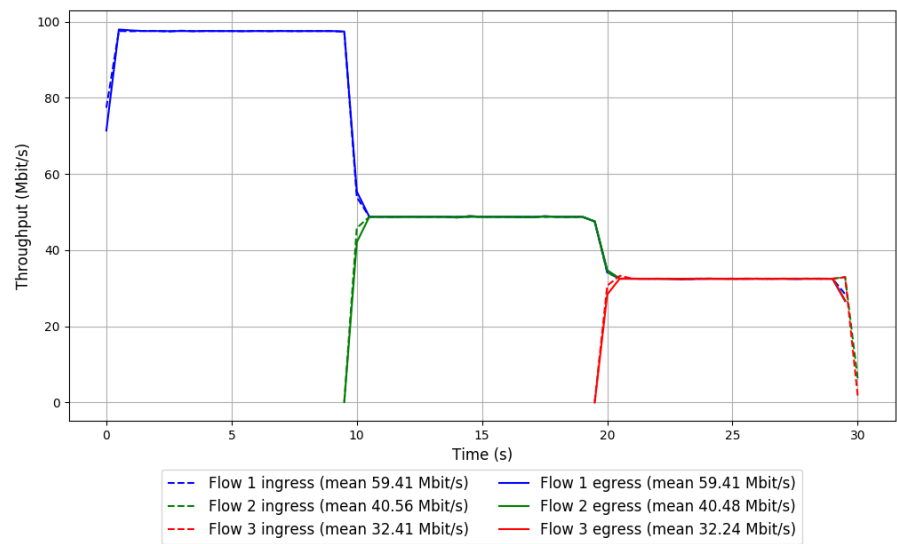


Run 5: Statistics of TCP Cubic

Start at: 2017-09-22 00:38:09  
End at: 2017-09-22 00:38:39  
Local clock offset: -2.364 ms  
Remote clock offset: -3.121 ms

# Below is generated by plot.py at 2017-09-22 06:08:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 51.077 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 59.41 Mbit/s  
95th percentile per-packet one-way delay: 50.920 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 40.48 Mbit/s  
95th percentile per-packet one-way delay: 51.122 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 32.24 Mbit/s  
95th percentile per-packet one-way delay: 51.729 ms  
Loss rate: 1.75%

Run 5: Report of TCP Cubic — Data Link

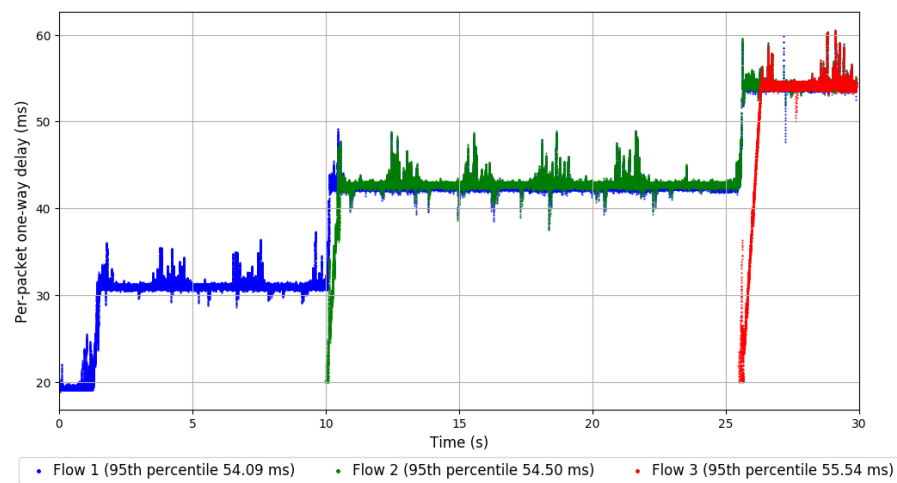
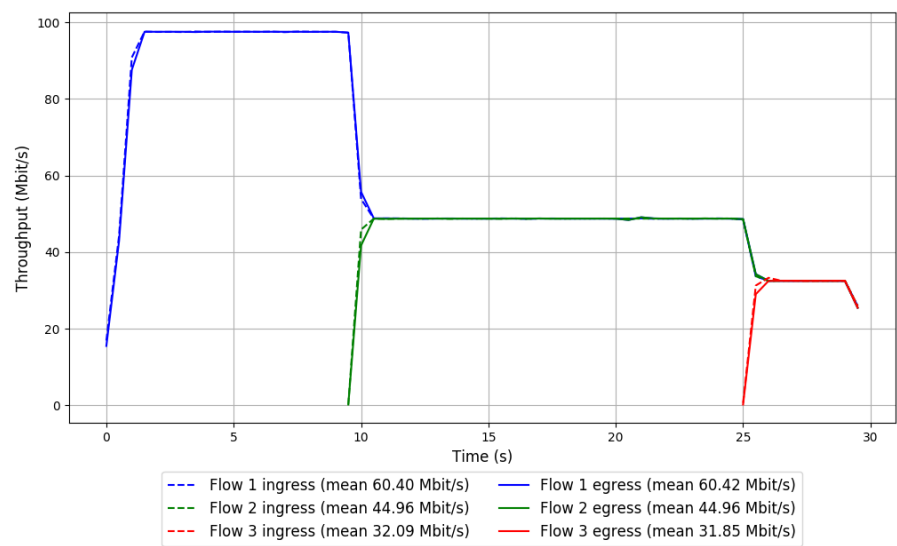


Run 6: Statistics of TCP Cubic

Start at: 2017-09-22 00:56:54  
End at: 2017-09-22 00:57:24  
Local clock offset: 1.107 ms  
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2017-09-22 06:08:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.14 Mbit/s  
95th percentile per-packet one-way delay: 54.413 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 60.42 Mbit/s  
95th percentile per-packet one-way delay: 54.087 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 44.96 Mbit/s  
95th percentile per-packet one-way delay: 54.500 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 31.85 Mbit/s  
95th percentile per-packet one-way delay: 55.537 ms  
Loss rate: 1.39%

Run 6: Report of TCP Cubic — Data Link



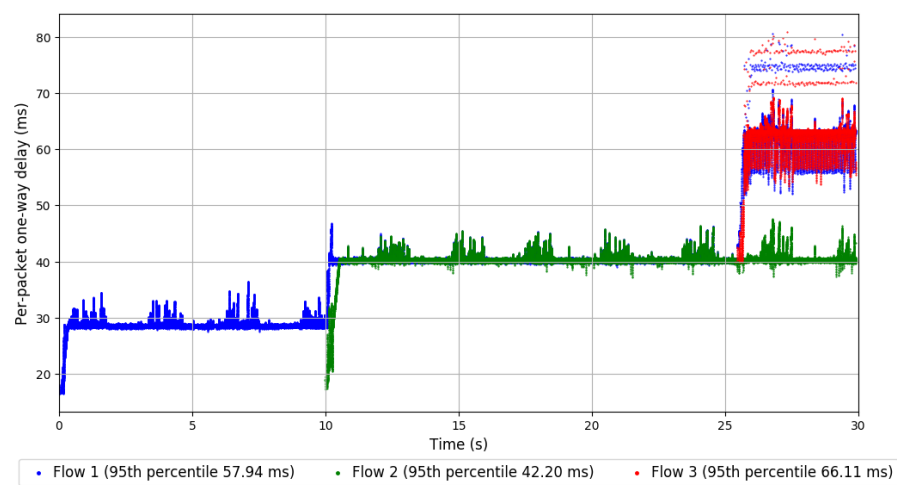
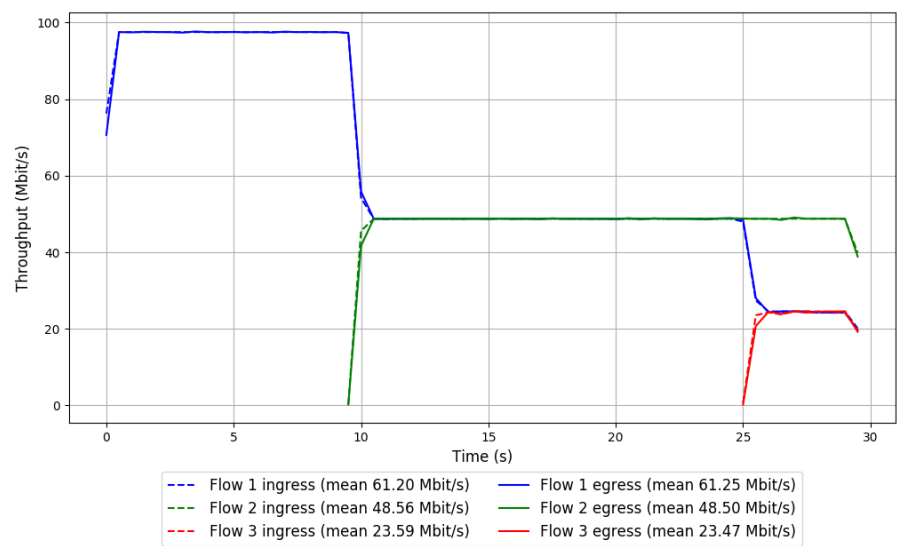
Run 7: Statistics of TCP Cubic

Start at: 2017-09-22 01:15:43  
End at: 2017-09-22 01:16:13  
Local clock offset: -2.046 ms  
Remote clock offset: -1.698 ms

# Below is generated by plot.py at 2017-09-22 06:09:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 61.700 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 61.25 Mbit/s  
95th percentile per-packet one-way delay: 57.942 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.50 Mbit/s  
95th percentile per-packet one-way delay: 42.199 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 23.47 Mbit/s  
95th percentile per-packet one-way delay: 66.113 ms  
Loss rate: 1.62%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-22 01:52:03

End at: 2017-09-22 01:52:33

Local clock offset: 0.97 ms

Remote clock offset: -1.804 ms

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

Figure is missing

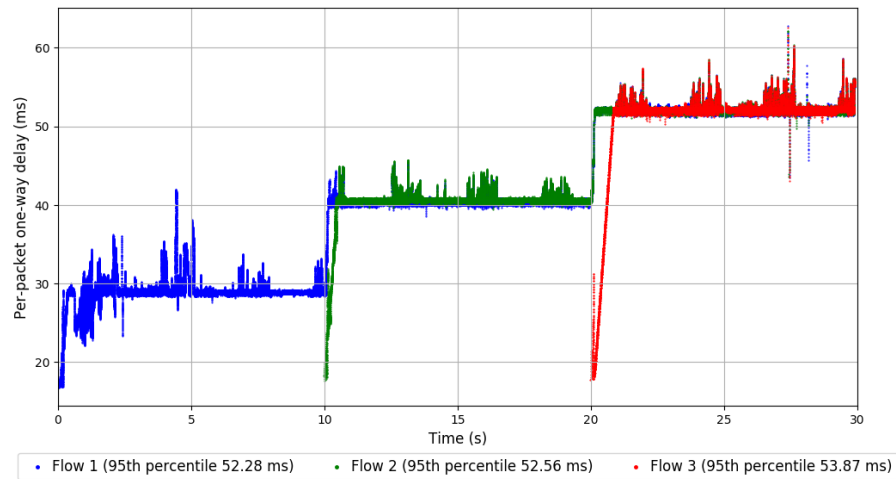
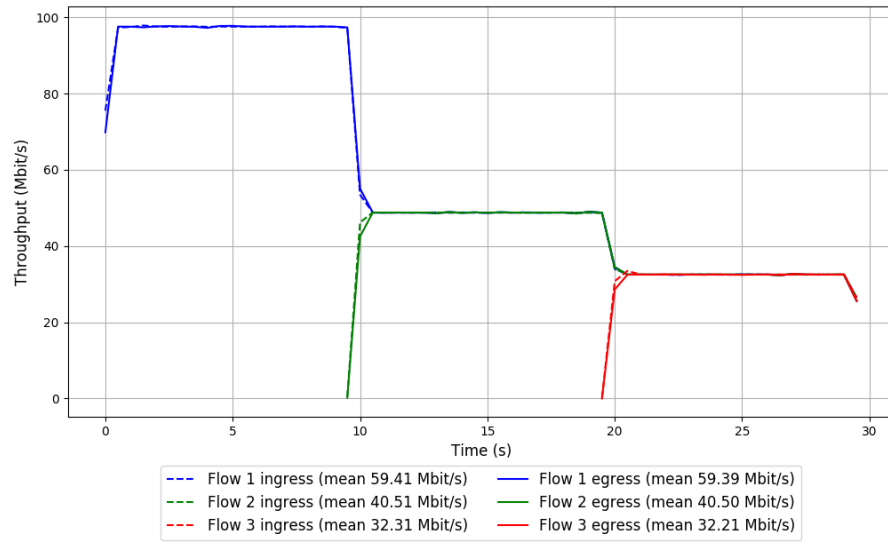
Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2017-09-22 02:16:29  
End at: 2017-09-22 02:16:59  
Local clock offset: -1.511 ms  
Remote clock offset: -1.996 ms

# Below is generated by plot.py at 2017-09-22 06:09:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 52.444 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 59.39 Mbit/s  
95th percentile per-packet one-way delay: 52.285 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 40.50 Mbit/s  
95th percentile per-packet one-way delay: 52.561 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 32.21 Mbit/s  
95th percentile per-packet one-way delay: 53.867 ms  
Loss rate: 0.66%

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

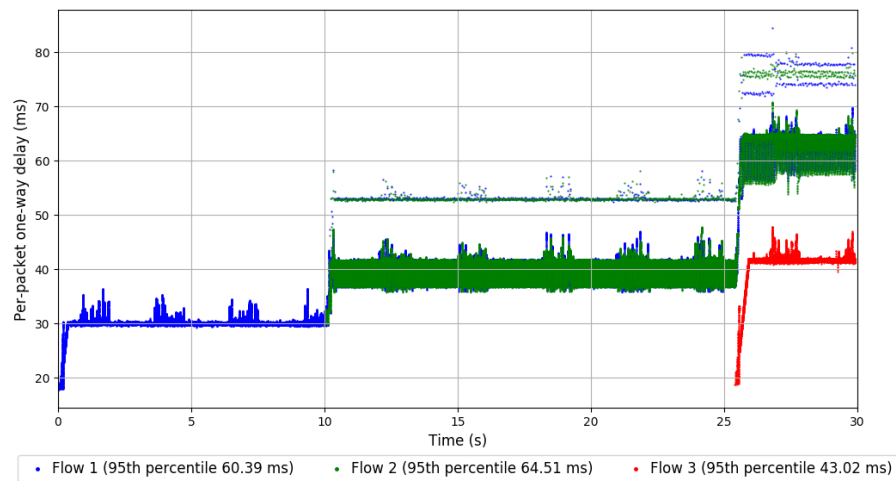
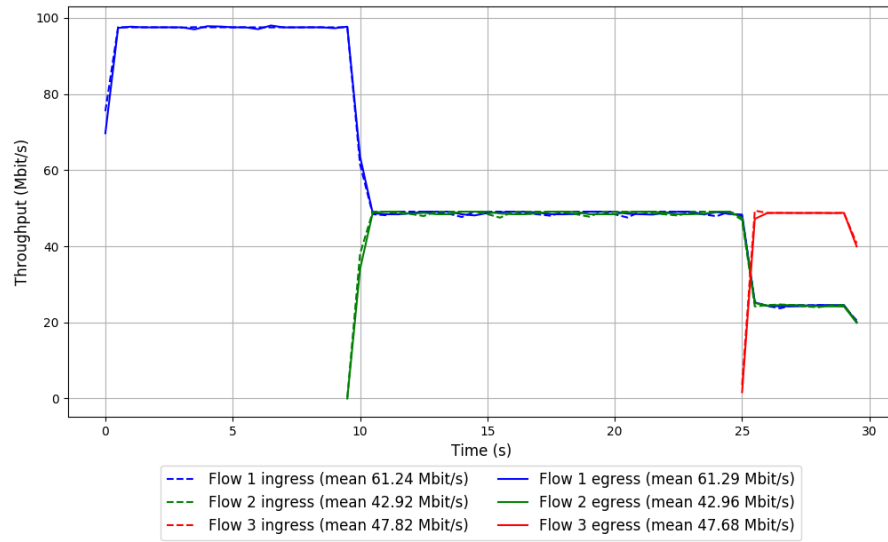


Run 10: Statistics of TCP Cubic

Start at: 2017-09-22 02:35:29  
End at: 2017-09-22 02:35:59  
Local clock offset: -0.196 ms  
Remote clock offset: -1.764 ms

# Below is generated by plot.py at 2017-09-22 06:09:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 62.872 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 61.29 Mbit/s  
95th percentile per-packet one-way delay: 60.391 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 42.96 Mbit/s  
95th percentile per-packet one-way delay: 64.508 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 47.68 Mbit/s  
95th percentile per-packet one-way delay: 43.022 ms  
Loss rate: 1.12%

# Run 10: Report of TCP Cubic — Data Link



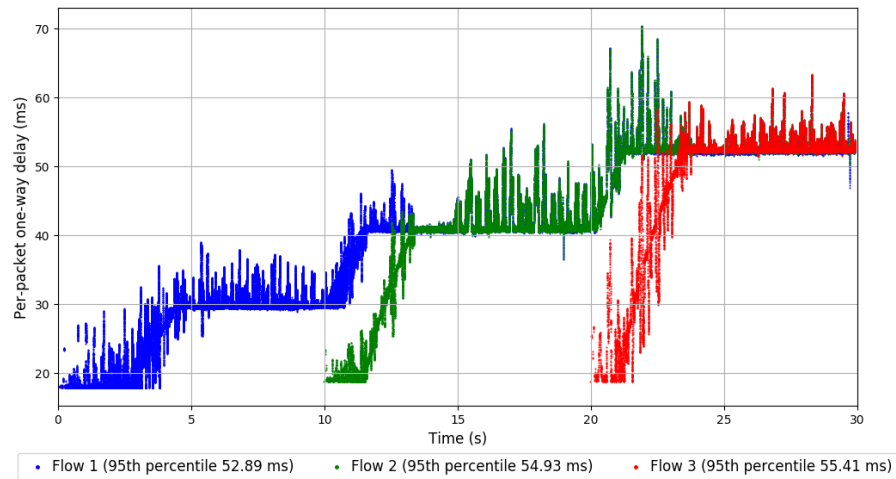
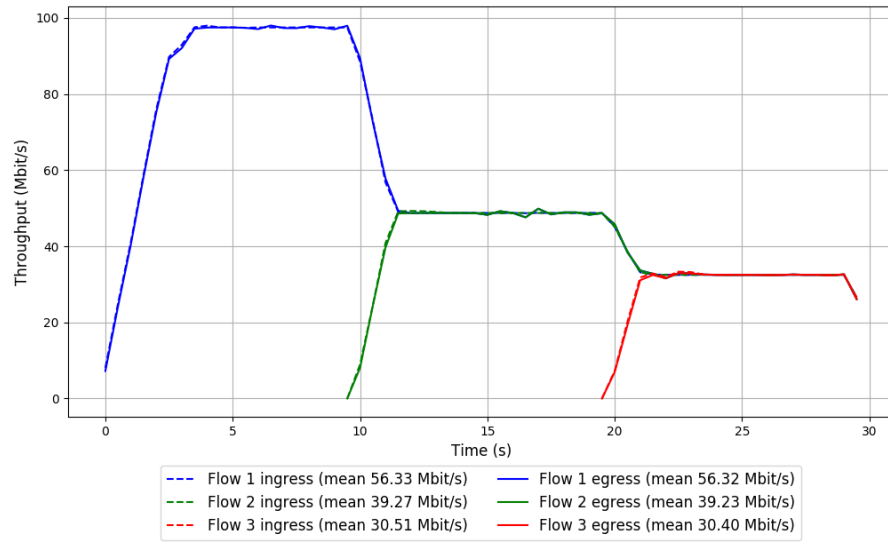
```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 23:08:58
End at: 2017-09-21 23:09:29
Local clock offset: 0.291 ms
Remote clock offset: -3.326 ms

# Below is generated by plot.py at 2017-09-22 06:09:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 54.050 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.32 Mbit/s
95th percentile per-packet one-way delay: 52.892 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 54.934 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 55.408 ms
Loss rate: 0.63%
```



## Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-09-21 23:33:27

End at: 2017-09-21 23:33:57

Local clock offset: -2.588 ms

Remote clock offset: -2.597 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

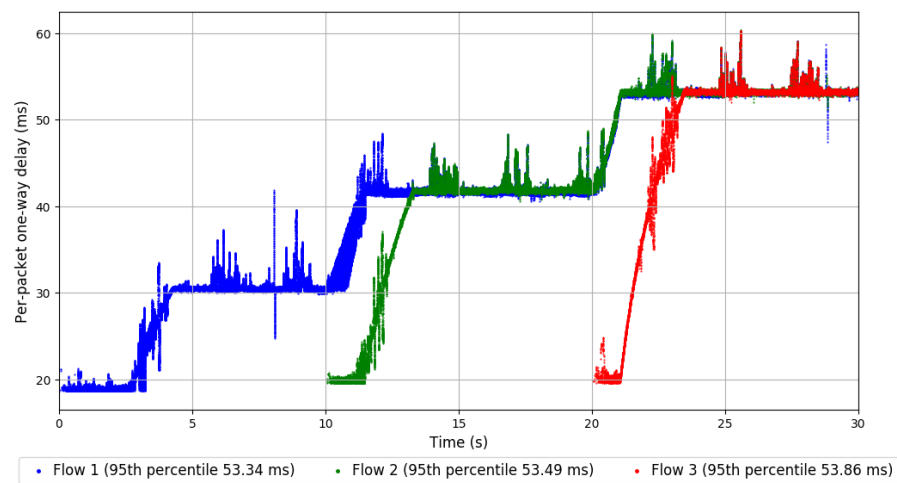
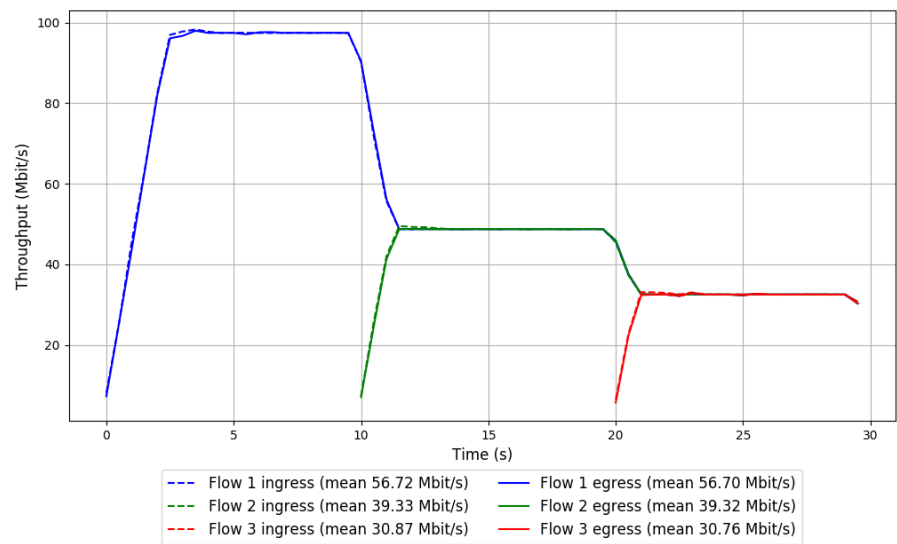
Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2017-09-21 23:51:05  
End at: 2017-09-21 23:51:35  
Local clock offset: 0.803 ms  
Remote clock offset: -3.368 ms

# Below is generated by plot.py at 2017-09-22 06:09:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.07 Mbit/s  
95th percentile per-packet one-way delay: 53.418 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 56.70 Mbit/s  
95th percentile per-packet one-way delay: 53.337 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 39.32 Mbit/s  
95th percentile per-packet one-way delay: 53.488 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 30.76 Mbit/s  
95th percentile per-packet one-way delay: 53.860 ms  
Loss rate: 0.63%

Run 3: Report of LEDBAT — Data Link

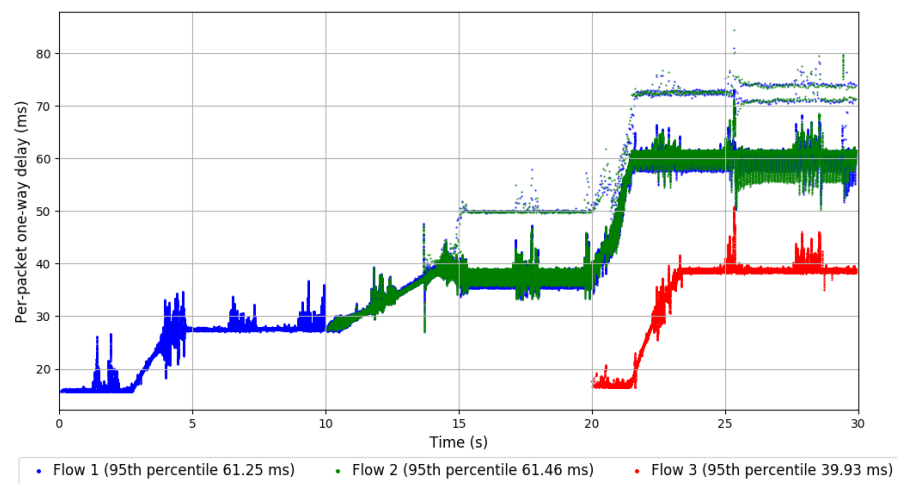
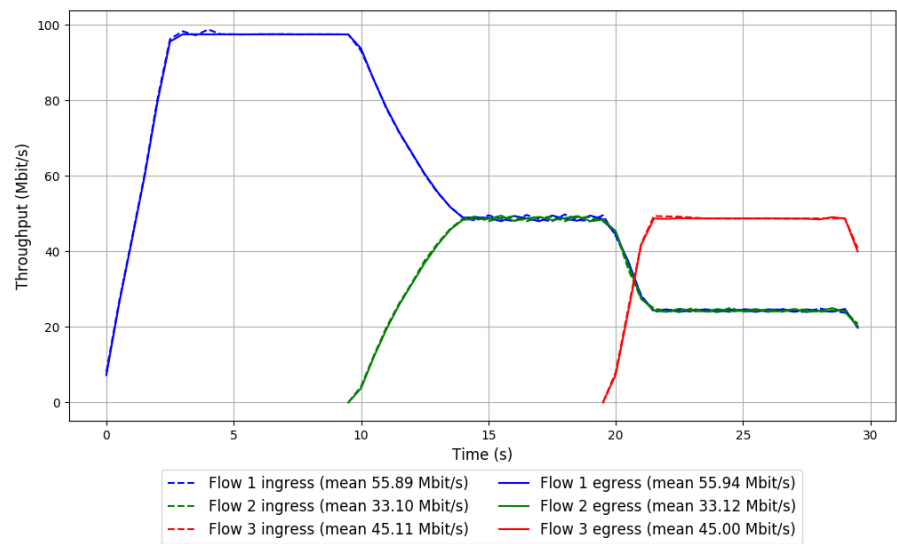


Run 4: Statistics of LEDBAT

Start at: 2017-09-22 00:10:12  
End at: 2017-09-22 00:10:42  
Local clock offset: -2.052 ms  
Remote clock offset: -3.017 ms

# Below is generated by plot.py at 2017-09-22 06:09:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.94 Mbit/s  
95th percentile per-packet one-way delay: 61.304 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 55.94 Mbit/s  
95th percentile per-packet one-way delay: 61.248 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 33.12 Mbit/s  
95th percentile per-packet one-way delay: 61.462 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 45.00 Mbit/s  
95th percentile per-packet one-way delay: 39.930 ms  
Loss rate: 0.52%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-22 00:28:38

End at: 2017-09-22 00:29:08

Local clock offset: -2.72 ms

Remote clock offset: -2.54 ms

# Below is generated by plot.py at 2017-09-22 06:09:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 58.451 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 55.43 Mbit/s

95th percentile per-packet one-way delay: 58.432 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 46.90 Mbit/s

95th percentile per-packet one-way delay: 38.781 ms

Loss rate: 0.25%

-- Flow 3:

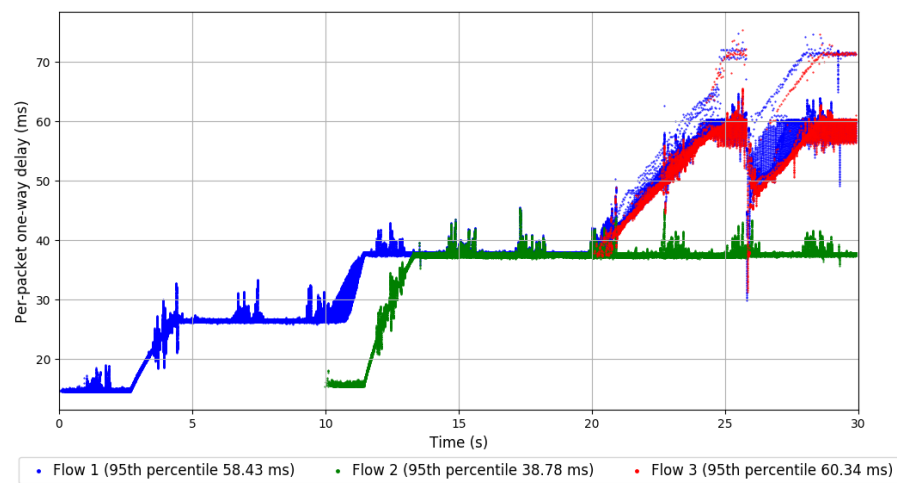
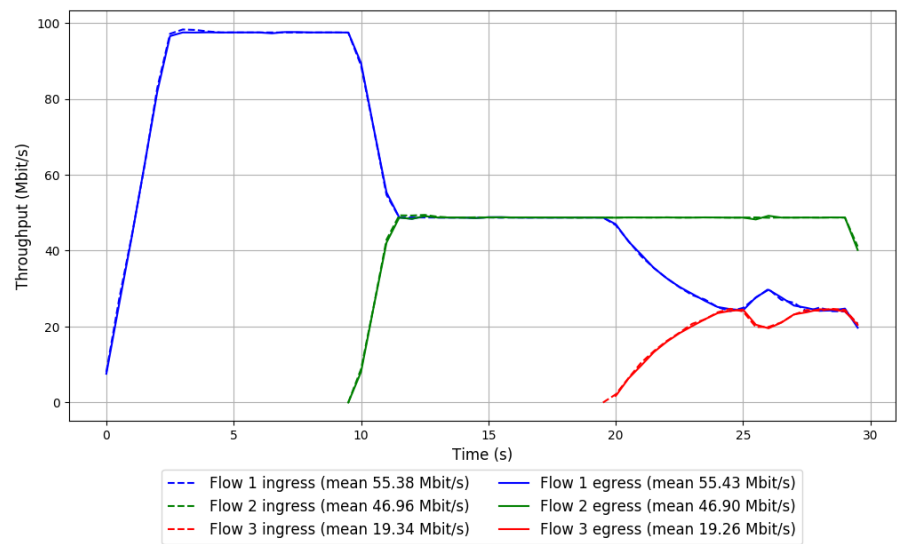
Average throughput: 19.26 Mbit/s

95th percentile per-packet one-way delay: 60.336 ms

Loss rate: 0.93%



Run 5: Report of LEDBAT — Data Link

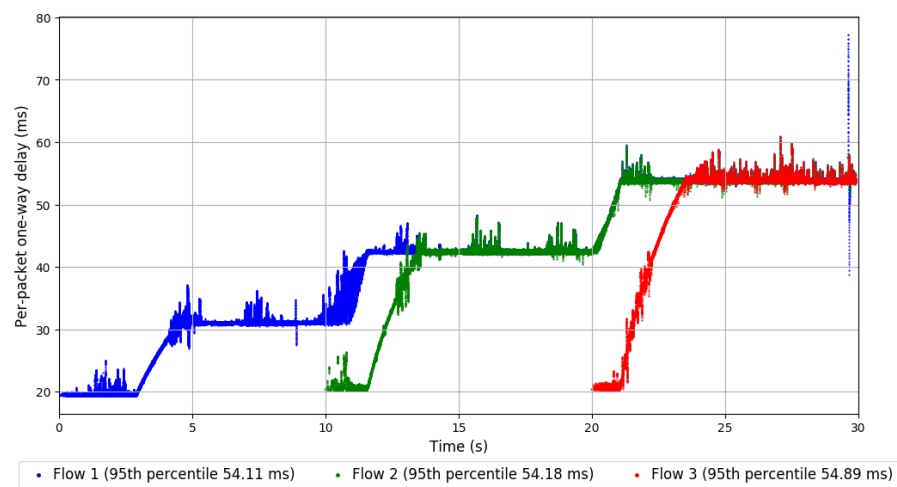
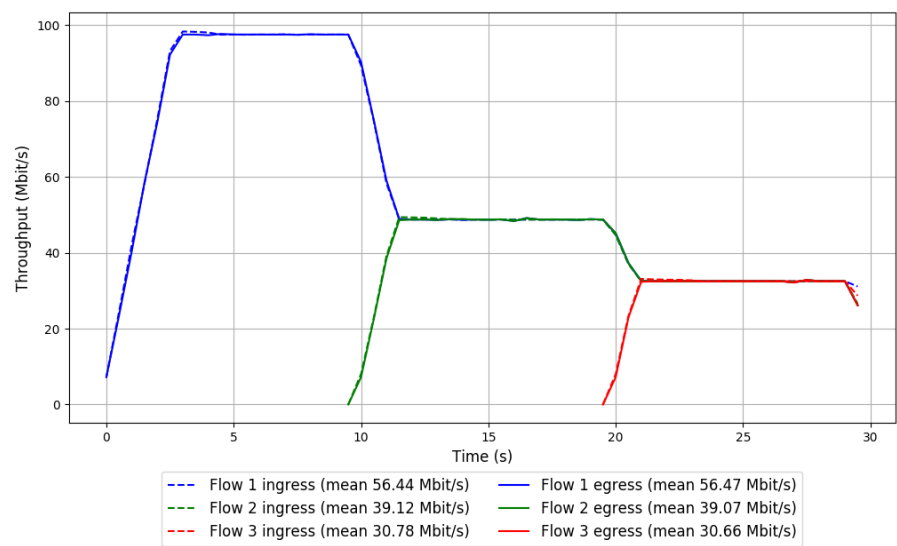


Run 6: Statistics of LEDBAT

Start at: 2017-09-22 00:47:39  
End at: 2017-09-22 00:48:09  
Local clock offset: 0.463 ms  
Remote clock offset: -2.119 ms

# Below is generated by plot.py at 2017-09-22 06:09:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.71 Mbit/s  
95th percentile per-packet one-way delay: 54.141 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 56.47 Mbit/s  
95th percentile per-packet one-way delay: 54.108 ms  
Loss rate: 0.25%  
-- Flow 2:  
Average throughput: 39.07 Mbit/s  
95th percentile per-packet one-way delay: 54.184 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 30.66 Mbit/s  
95th percentile per-packet one-way delay: 54.891 ms  
Loss rate: 0.98%

Run 6: Report of LEDBAT — Data Link

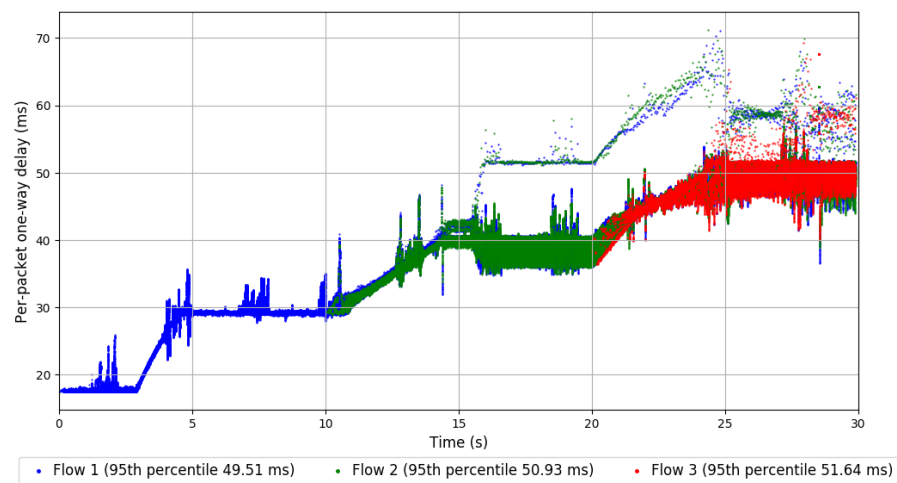
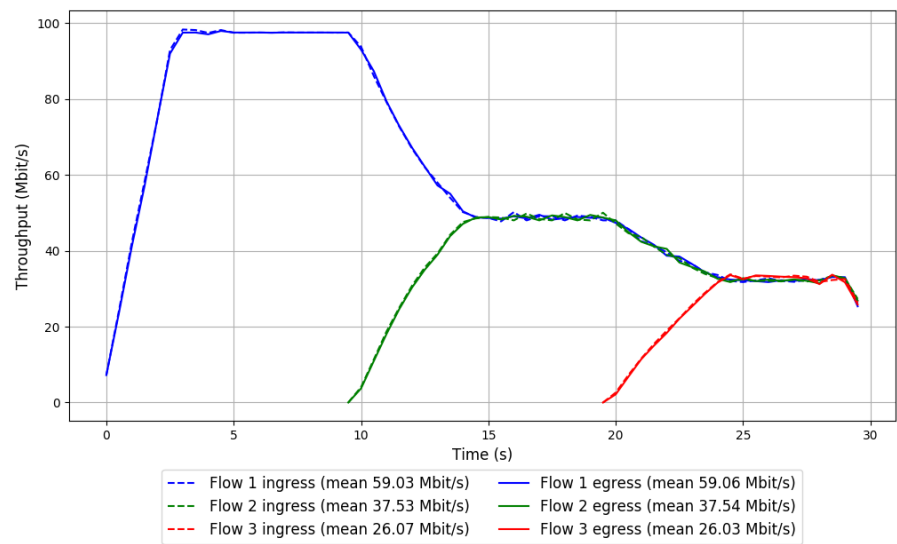


Run 7: Statistics of LEDBAT

Start at: 2017-09-22 01:06:15  
End at: 2017-09-22 01:06:45  
Local clock offset: -2.121 ms  
Remote clock offset: -2.598 ms

# Below is generated by plot.py at 2017-09-22 06:10:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.69 Mbit/s  
95th percentile per-packet one-way delay: 50.568 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 59.06 Mbit/s  
95th percentile per-packet one-way delay: 49.513 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 37.54 Mbit/s  
95th percentile per-packet one-way delay: 50.929 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 26.03 Mbit/s  
95th percentile per-packet one-way delay: 51.643 ms  
Loss rate: 0.83%

Run 7: Report of LEDBAT — Data Link

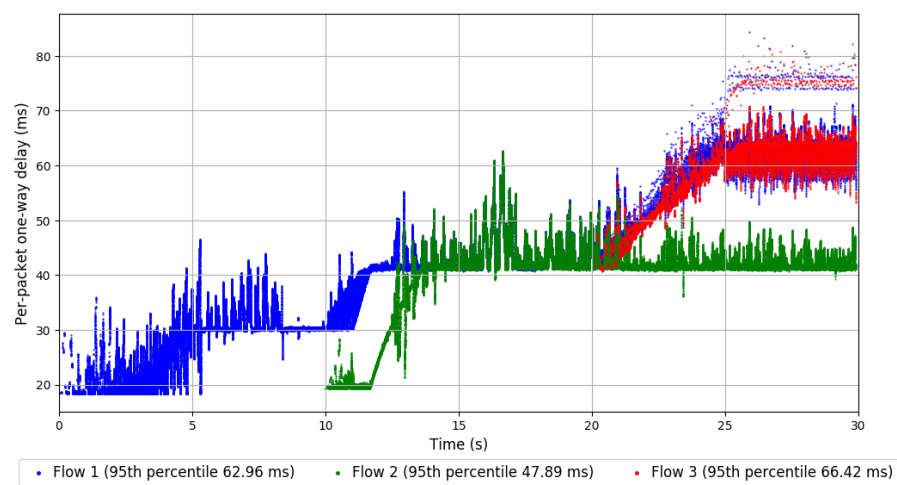
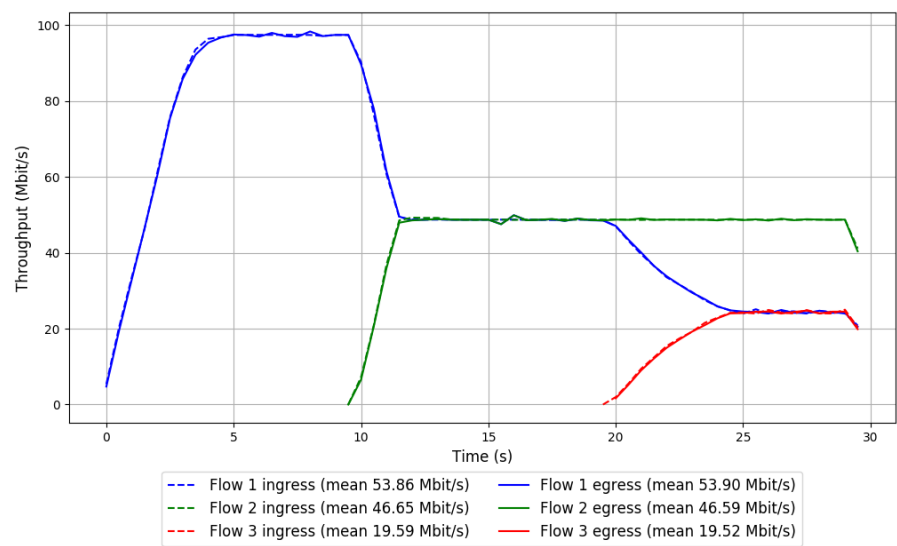


Run 8: Statistics of LEDBAT

Start at: 2017-09-22 01:29:57  
End at: 2017-09-22 01:30:27  
Local clock offset: -0.568 ms  
Remote clock offset: -2.311 ms

# Below is generated by plot.py at 2017-09-22 06:11:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.42 Mbit/s  
95th percentile per-packet one-way delay: 63.456 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 53.90 Mbit/s  
95th percentile per-packet one-way delay: 62.959 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 46.59 Mbit/s  
95th percentile per-packet one-way delay: 47.894 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 19.52 Mbit/s  
95th percentile per-packet one-way delay: 66.419 ms  
Loss rate: 0.94%

Run 8: Report of LEDBAT — Data Link



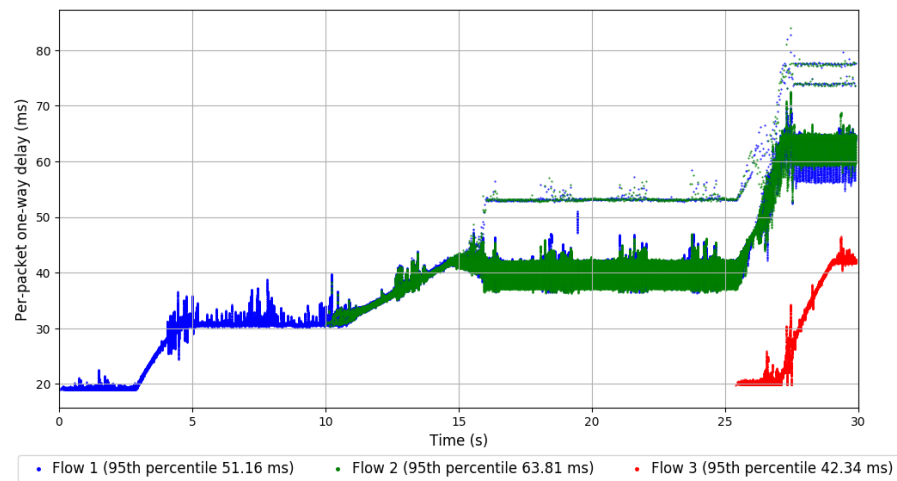
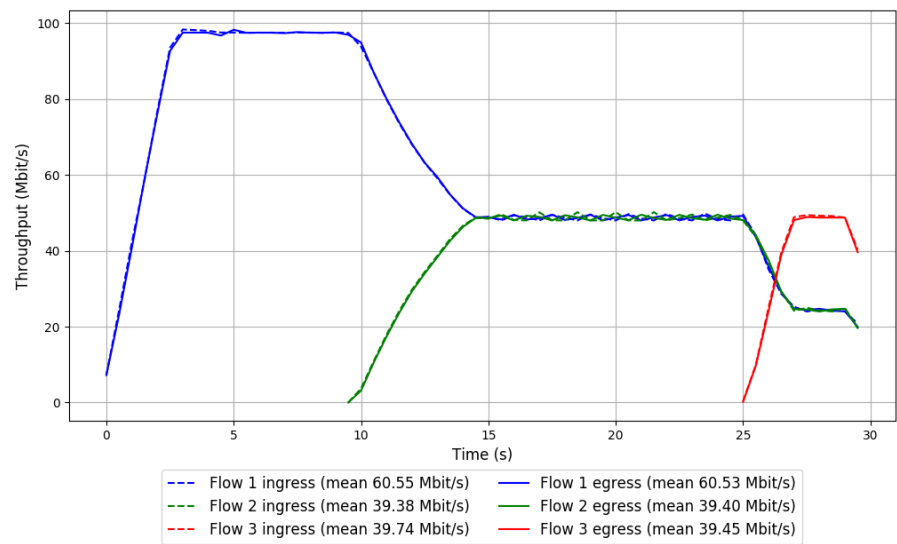
Run 9: Statistics of LEDBAT

Start at: 2017-09-22 02:06:58  
End at: 2017-09-22 02:07:28  
Local clock offset: 0.821 ms  
Remote clock offset: -1.792 ms

# Below is generated by plot.py at 2017-09-22 06:11:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 58.767 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 60.53 Mbit/s  
95th percentile per-packet one-way delay: 51.158 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 39.40 Mbit/s  
95th percentile per-packet one-way delay: 63.806 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 39.45 Mbit/s  
95th percentile per-packet one-way delay: 42.345 ms  
Loss rate: 1.33%



Run 9: Report of LEDBAT — Data Link

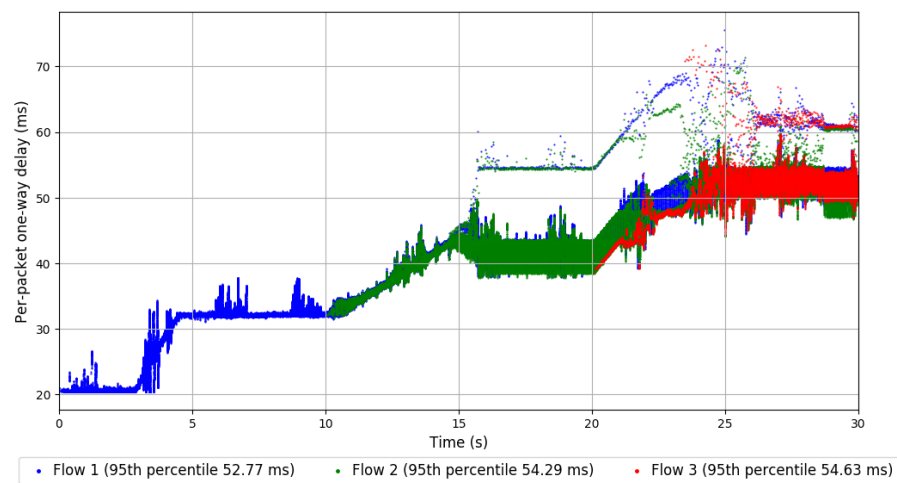
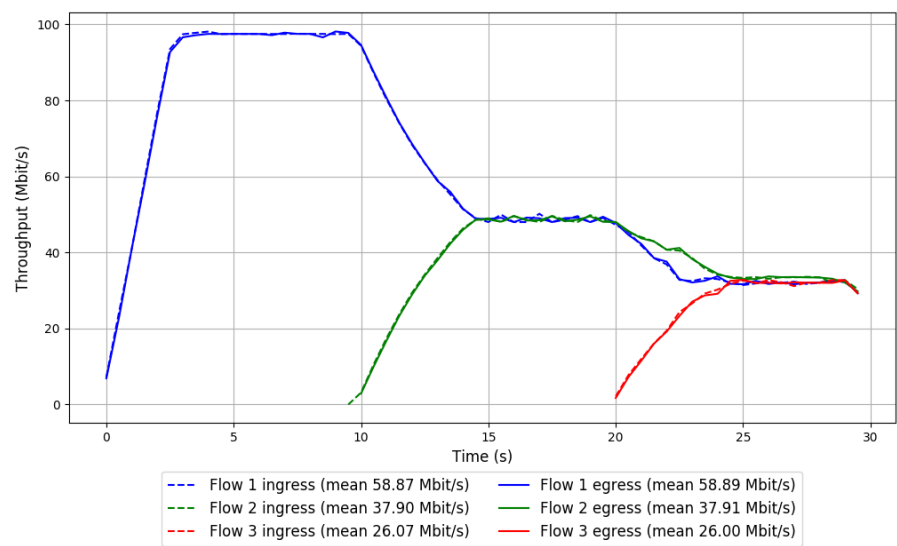


Run 10: Statistics of LEDBAT

Start at: 2017-09-22 02:25:59  
End at: 2017-09-22 02:26:29  
Local clock offset: 1.073 ms  
Remote clock offset: -2.902 ms

# Below is generated by plot.py at 2017-09-22 06:11:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.73 Mbit/s  
95th percentile per-packet one-way delay: 53.680 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.89 Mbit/s  
95th percentile per-packet one-way delay: 52.770 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 37.91 Mbit/s  
95th percentile per-packet one-way delay: 54.286 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 26.00 Mbit/s  
95th percentile per-packet one-way delay: 54.628 ms  
Loss rate: 0.72%

Run 10: Report of LEDBAT — Data Link

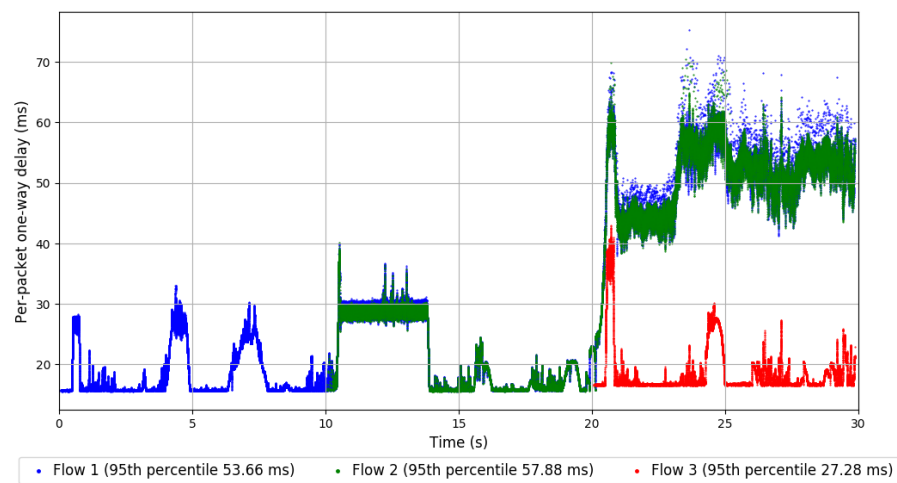
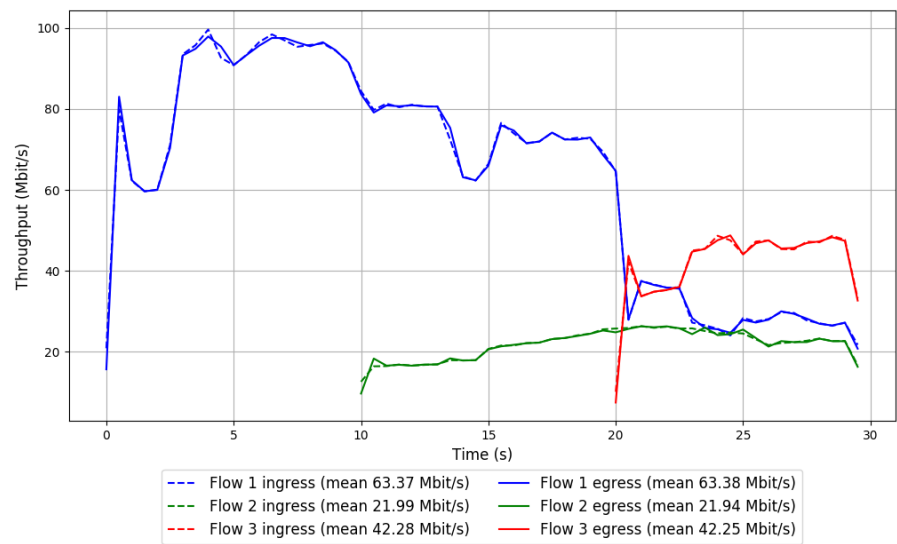


Run 1: Statistics of PCC

Start at: 2017-09-21 23:07:39  
End at: 2017-09-21 23:08:09  
Local clock offset: -2.035 ms  
Remote clock offset: -3.422 ms

# Below is generated by plot.py at 2017-09-22 06:11:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.86 Mbit/s  
95th percentile per-packet one-way delay: 54.680 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 63.38 Mbit/s  
95th percentile per-packet one-way delay: 53.656 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 21.94 Mbit/s  
95th percentile per-packet one-way delay: 57.881 ms  
Loss rate: 0.33%  
-- Flow 3:  
Average throughput: 42.25 Mbit/s  
95th percentile per-packet one-way delay: 27.284 ms  
Loss rate: 0.32%

Run 1: Report of PCC — Data Link

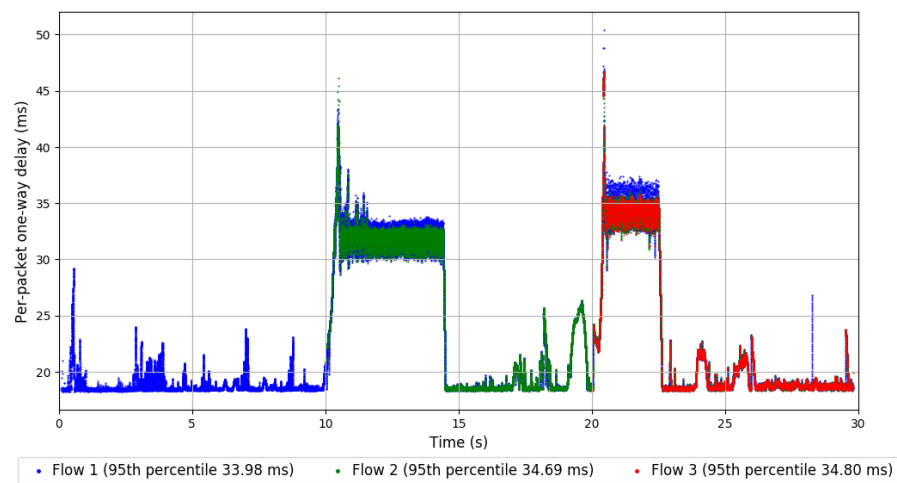
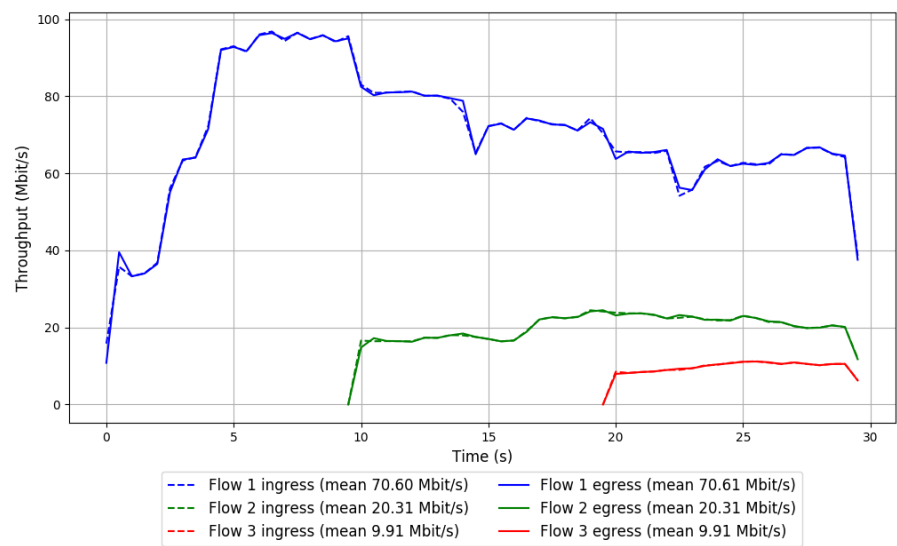


Run 2: Statistics of PCC

Start at: 2017-09-21 23:32:13  
End at: 2017-09-21 23:32:43  
Local clock offset: 0.627 ms  
Remote clock offset: -3.504 ms

# Below is generated by plot.py at 2017-09-22 06:11:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.41 Mbit/s  
95th percentile per-packet one-way delay: 34.250 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 70.61 Mbit/s  
95th percentile per-packet one-way delay: 33.977 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 20.31 Mbit/s  
95th percentile per-packet one-way delay: 34.687 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 9.91 Mbit/s  
95th percentile per-packet one-way delay: 34.795 ms  
Loss rate: 0.25%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-21 23:49:51

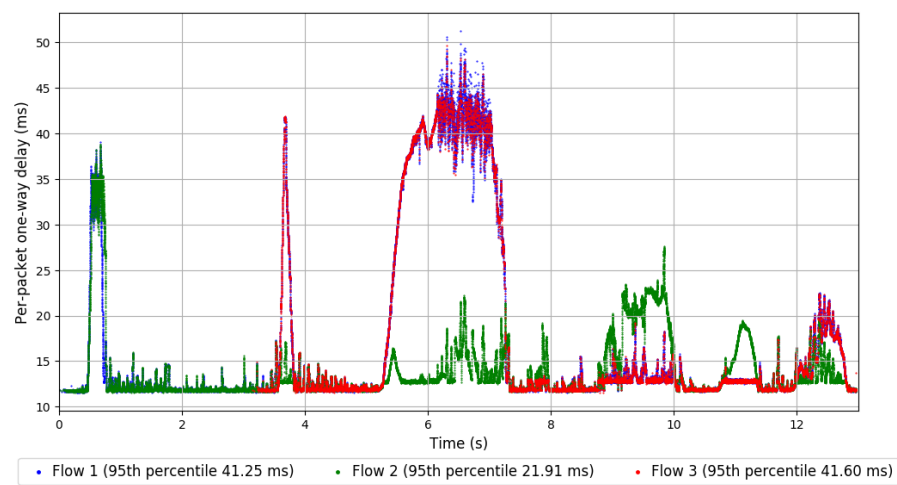
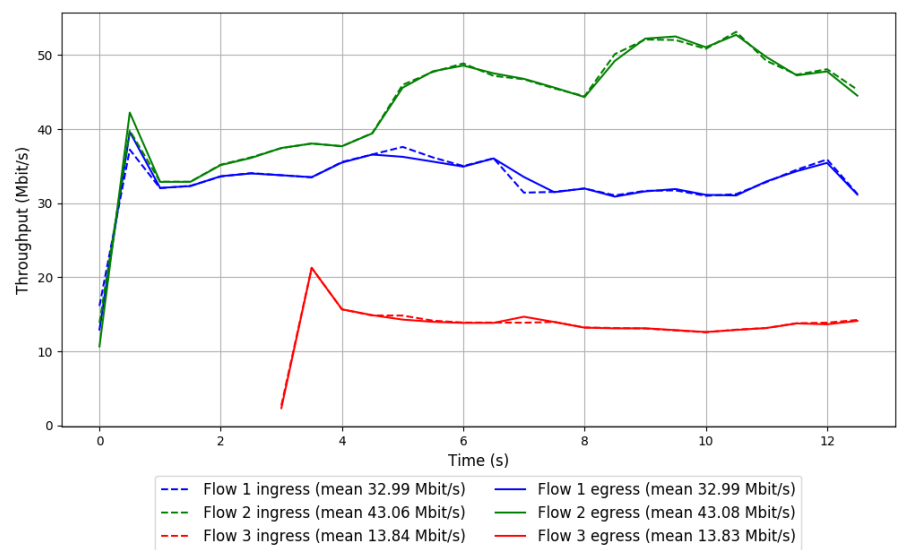
End at: 2017-09-21 23:50:21

Local clock offset: -8.134 ms

Remote clock offset: -5.41 ms



Run 3: Report of PCC — Data Link

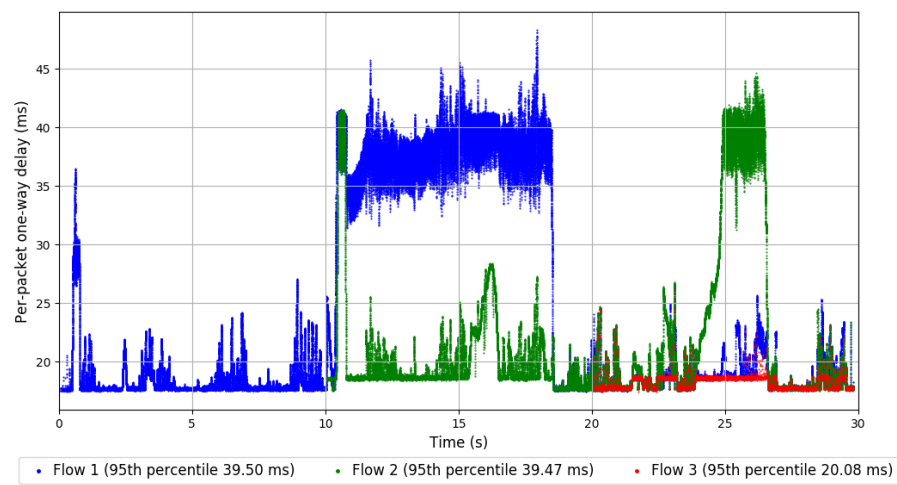
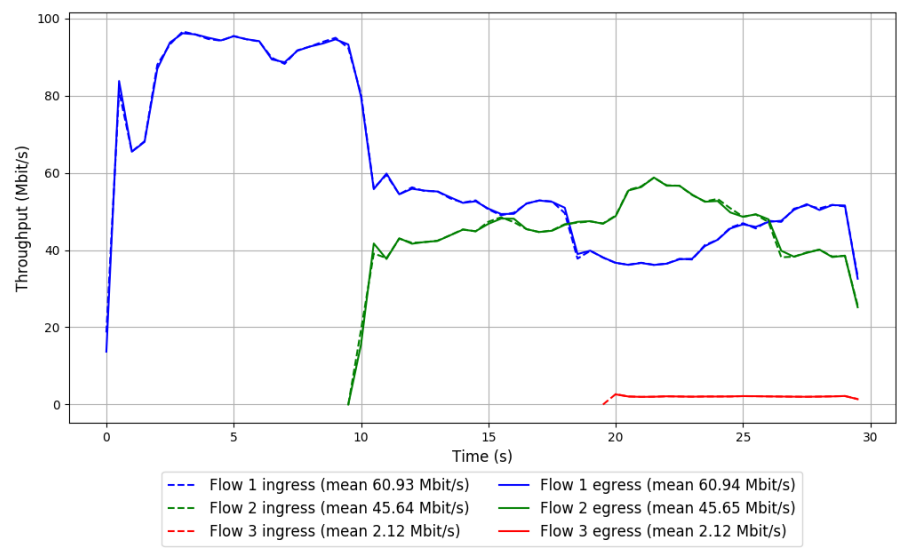


Run 4: Statistics of PCC

Start at: 2017-09-22 00:08:59  
End at: 2017-09-22 00:09:29  
Local clock offset: -0.528 ms  
Remote clock offset: -3.492 ms

# Below is generated by plot.py at 2017-09-22 06:11:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.02 Mbit/s  
95th percentile per-packet one-way delay: 39.477 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 60.94 Mbit/s  
95th percentile per-packet one-way delay: 39.502 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 45.65 Mbit/s  
95th percentile per-packet one-way delay: 39.473 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 20.080 ms  
Loss rate: 0.29%

Run 4: Report of PCC — Data Link

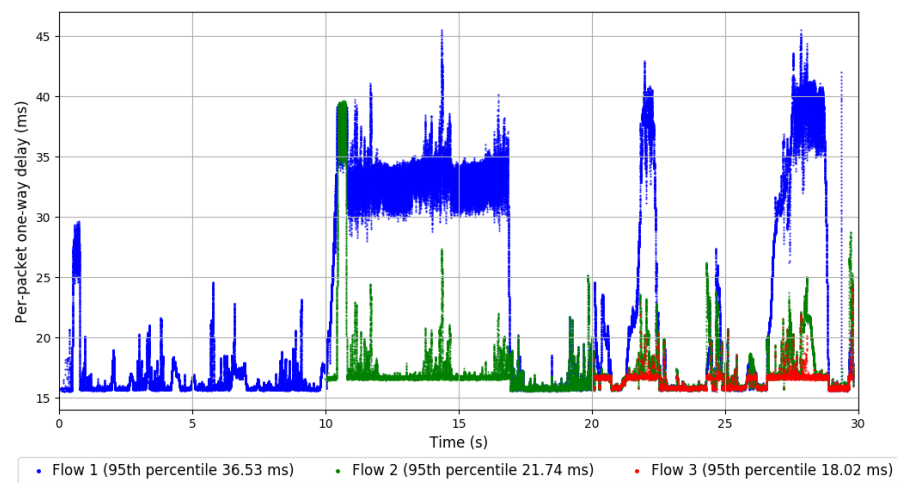
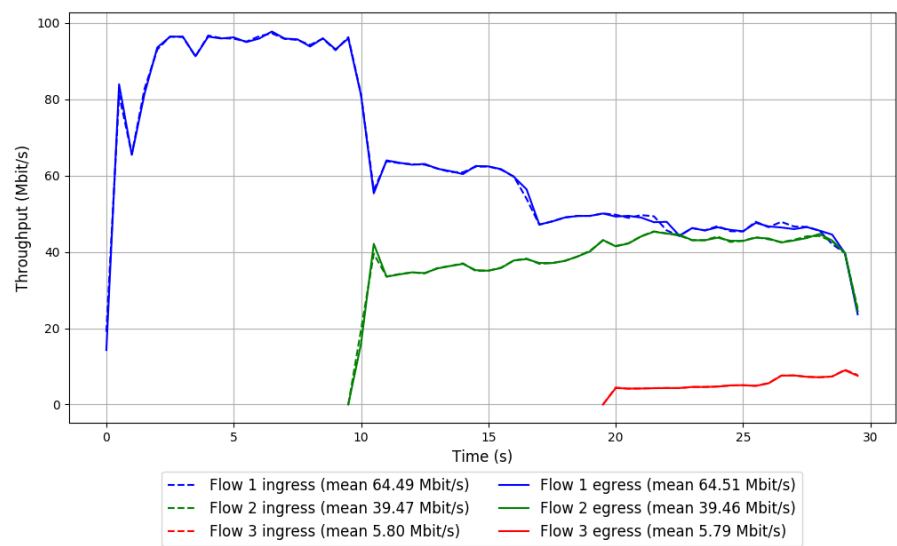


Run 5: Statistics of PCC

Start at: 2017-09-22 00:27:21  
End at: 2017-09-22 00:27:51  
Local clock offset: -2.434 ms  
Remote clock offset: -3.428 ms

# Below is generated by plot.py at 2017-09-22 06:11:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.69 Mbit/s  
95th percentile per-packet one-way delay: 35.058 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 64.51 Mbit/s  
95th percentile per-packet one-way delay: 36.533 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.46 Mbit/s  
95th percentile per-packet one-way delay: 21.738 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 5.79 Mbit/s  
95th percentile per-packet one-way delay: 18.019 ms  
Loss rate: 0.51%

Run 5: Report of PCC — Data Link

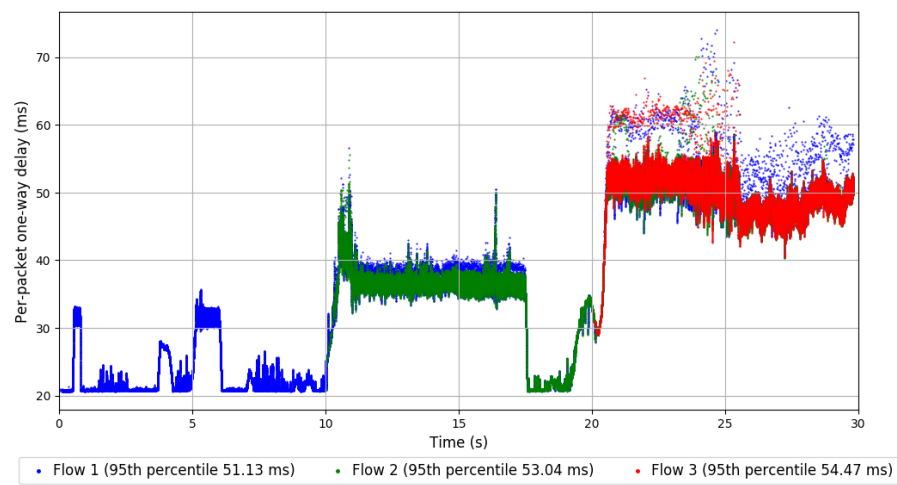
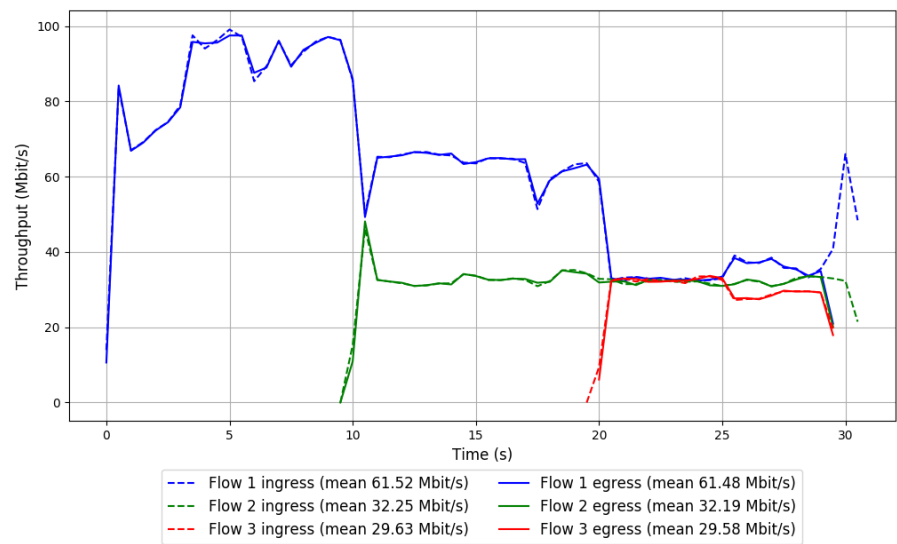


Run 6: Statistics of PCC

Start at: 2017-09-22 00:46:12  
End at: 2017-09-22 00:46:42  
Local clock offset: 2.399 ms  
Remote clock offset: -1.648 ms

# Below is generated by plot.py at 2017-09-22 06:12:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.65 Mbit/s  
95th percentile per-packet one-way delay: 52.661 ms  
Loss rate: 3.71%  
-- Flow 1:  
Average throughput: 61.48 Mbit/s  
95th percentile per-packet one-way delay: 51.129 ms  
Loss rate: 3.64%  
-- Flow 2:  
Average throughput: 32.19 Mbit/s  
95th percentile per-packet one-way delay: 53.042 ms  
Loss rate: 5.19%  
-- Flow 3:  
Average throughput: 29.58 Mbit/s  
95th percentile per-packet one-way delay: 54.474 ms  
Loss rate: 0.79%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-22 01:04:50

End at: 2017-09-22 01:05:20

Local clock offset: -0.626 ms

Remote clock offset: -2.59 ms

# Below is generated by plot.py at 2017-09-22 06:12:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 51.115 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 58.30 Mbit/s

95th percentile per-packet one-way delay: 51.095 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 44.01 Mbit/s

95th percentile per-packet one-way delay: 42.259 ms

Loss rate: 0.18%

-- Flow 3:

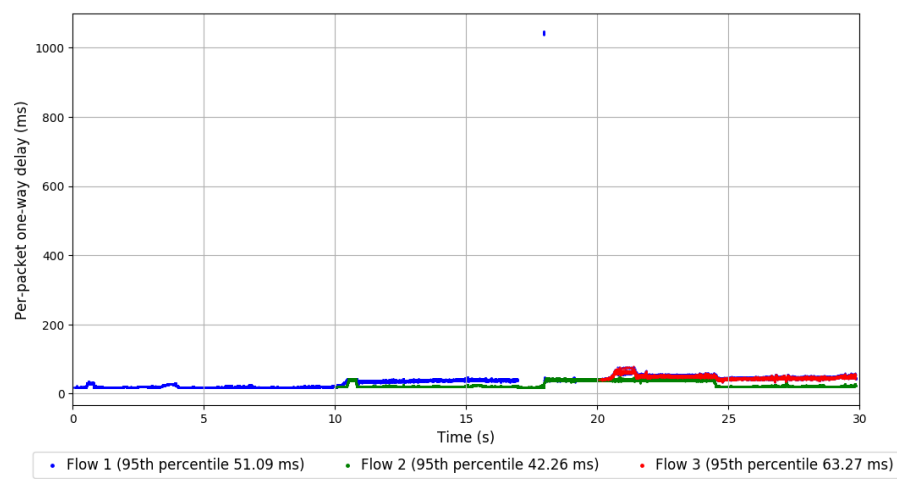
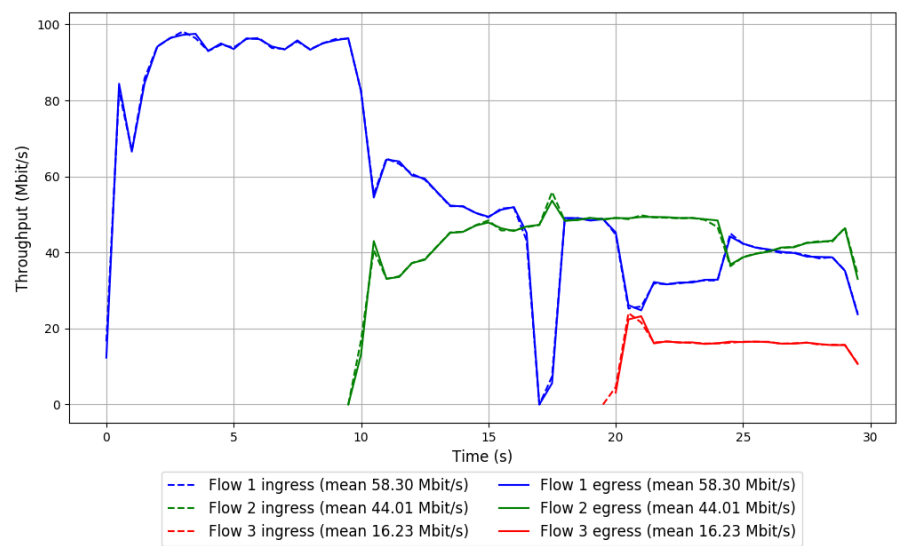
Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 63.275 ms

Loss rate: 0.51%



Run 7: Report of PCC — Data Link

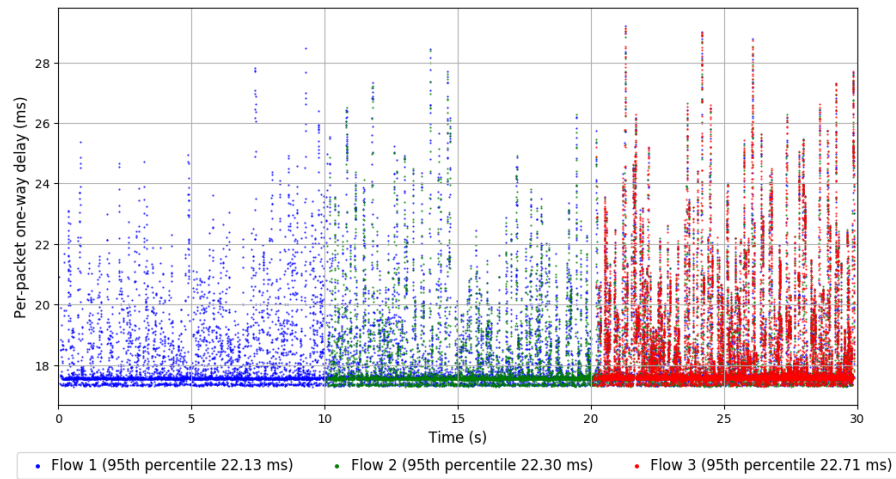
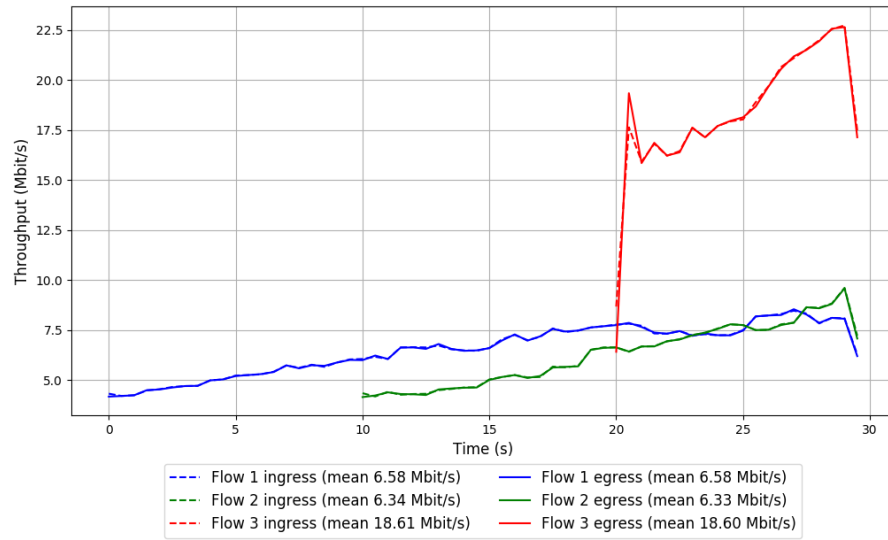


Run 8: Statistics of PCC

Start at: 2017-09-22 01:28:16  
End at: 2017-09-22 01:28:46  
Local clock offset: -0.803 ms  
Remote clock offset: -1.654 ms

# Below is generated by plot.py at 2017-09-22 06:12:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.91 Mbit/s  
95th percentile per-packet one-way delay: 22.368 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 6.58 Mbit/s  
95th percentile per-packet one-way delay: 22.130 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 6.33 Mbit/s  
95th percentile per-packet one-way delay: 22.300 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 18.60 Mbit/s  
95th percentile per-packet one-way delay: 22.706 ms  
Loss rate: 0.33%

# Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-22 02:05:34

End at: 2017-09-22 02:06:04

Local clock offset: 0.526 ms

Remote clock offset: -2.55 ms

# Below is generated by plot.py at 2017-09-22 06:12:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.77 Mbit/s

95th percentile per-packet one-way delay: 46.714 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 69.81 Mbit/s

95th percentile per-packet one-way delay: 46.541 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 12.44 Mbit/s

95th percentile per-packet one-way delay: 49.049 ms

Loss rate: 0.32%

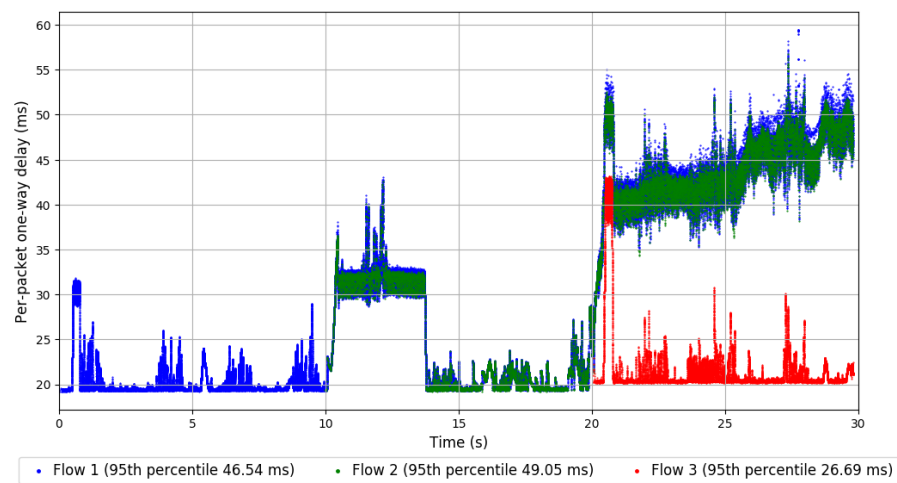
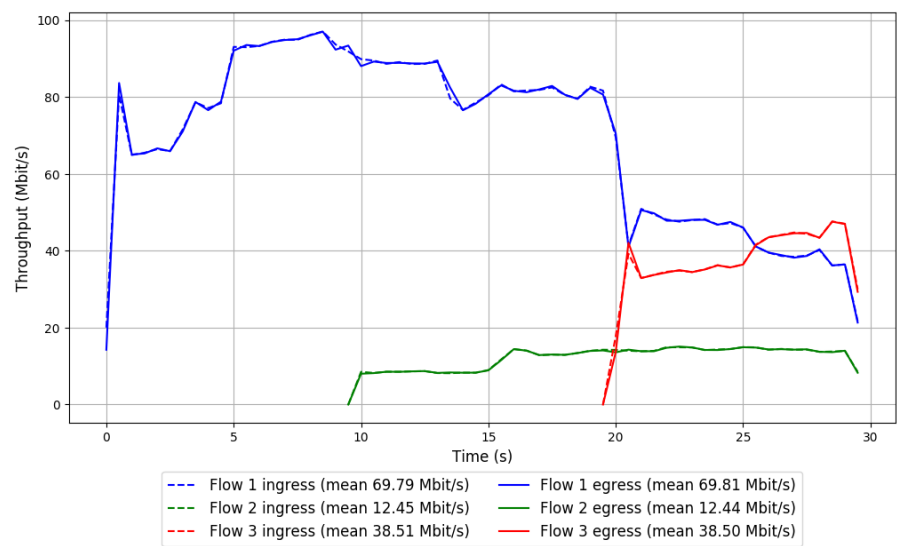
-- Flow 3:

Average throughput: 38.50 Mbit/s

95th percentile per-packet one-way delay: 26.691 ms

Loss rate: 0.35%

Run 9: Report of PCC — Data Link

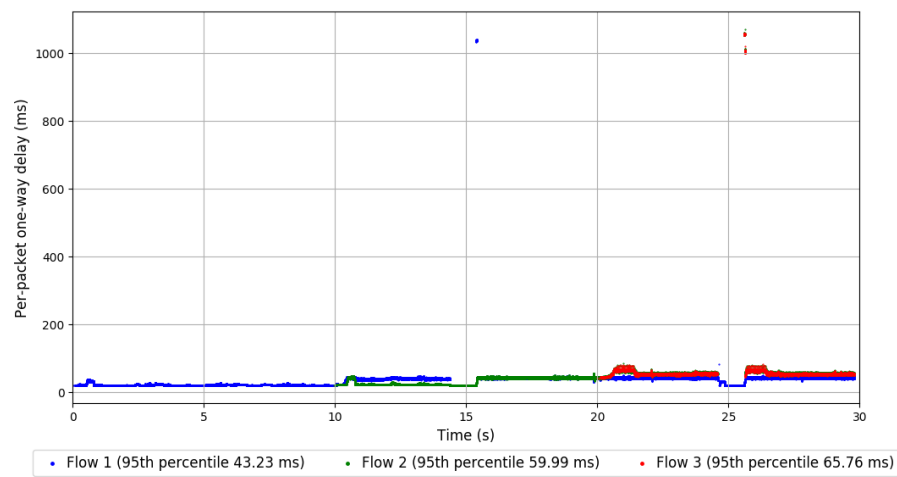
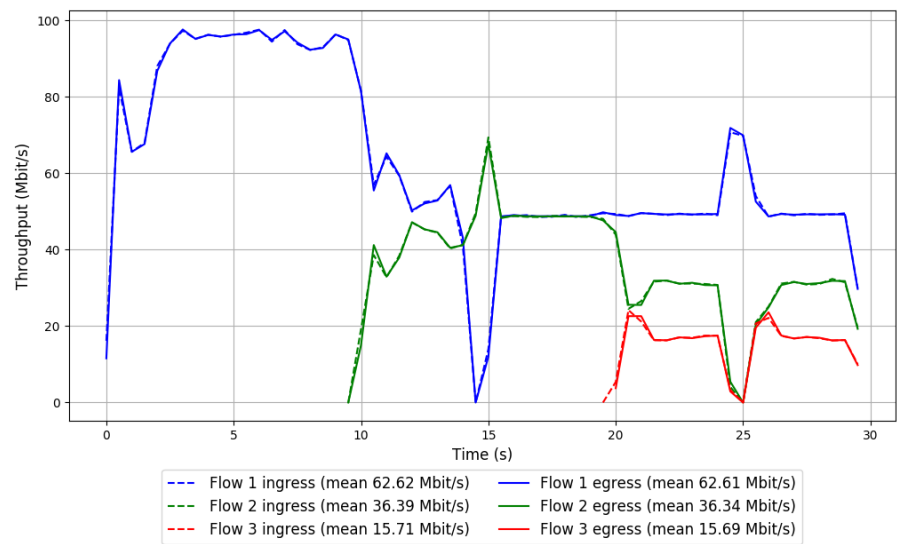


Run 10: Statistics of PCC

Start at: 2017-09-22 02:24:40  
End at: 2017-09-22 02:25:10  
Local clock offset: 0.93 ms  
Remote clock offset: -2.658 ms

# Below is generated by plot.py at 2017-09-22 06:12:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.98 Mbit/s  
95th percentile per-packet one-way delay: 54.885 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 62.61 Mbit/s  
95th percentile per-packet one-way delay: 43.235 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 36.34 Mbit/s  
95th percentile per-packet one-way delay: 59.995 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 15.69 Mbit/s  
95th percentile per-packet one-way delay: 65.757 ms  
Loss rate: 0.63%

Run 10: Report of PCC — Data Link



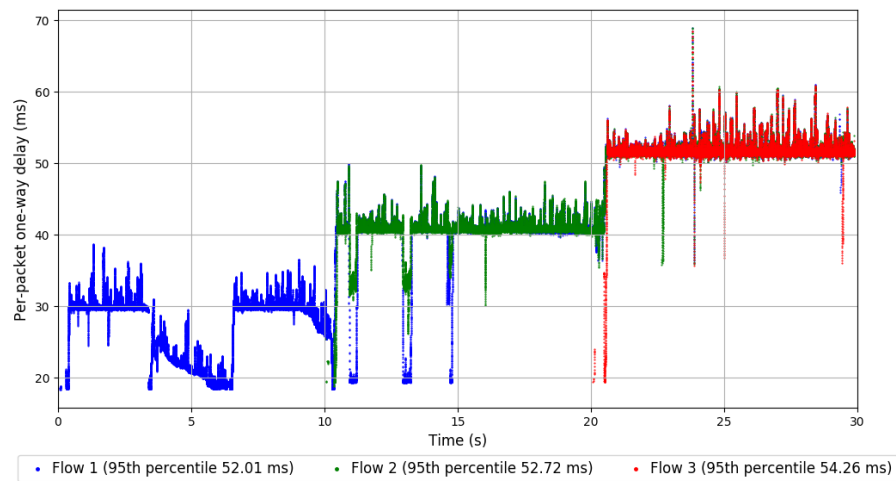
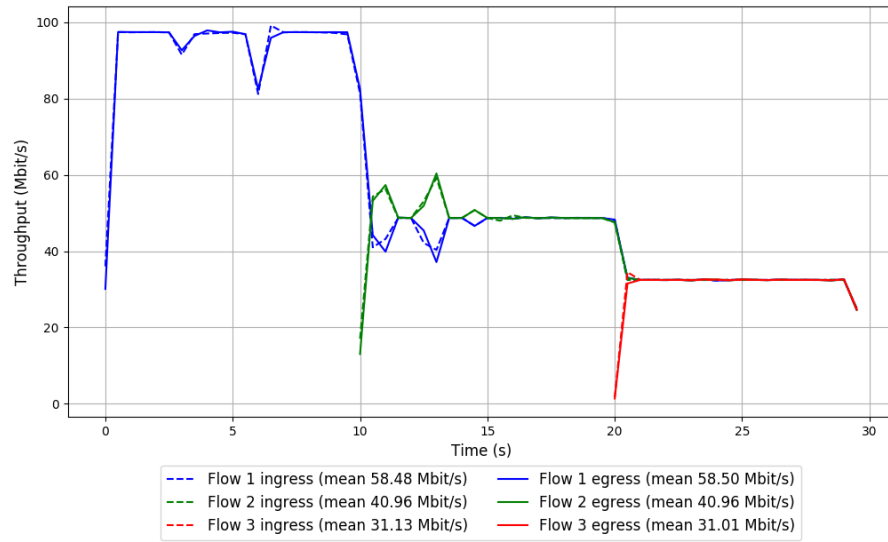
Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 23:16:14  
End at: 2017-09-21 23:16:44  
Local clock offset: 0.294 ms  
Remote clock offset: -3.926 ms

# Below is generated by plot.py at 2017-09-22 06:12:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.91 Mbit/s  
95th percentile per-packet one-way delay: 52.486 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.50 Mbit/s  
95th percentile per-packet one-way delay: 52.014 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.96 Mbit/s  
95th percentile per-packet one-way delay: 52.720 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 31.01 Mbit/s  
95th percentile per-packet one-way delay: 54.261 ms  
Loss rate: 0.61%



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

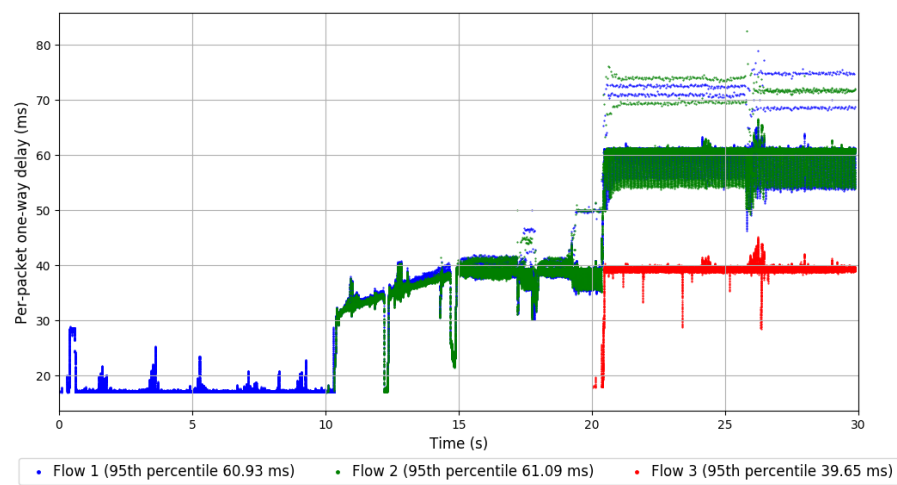
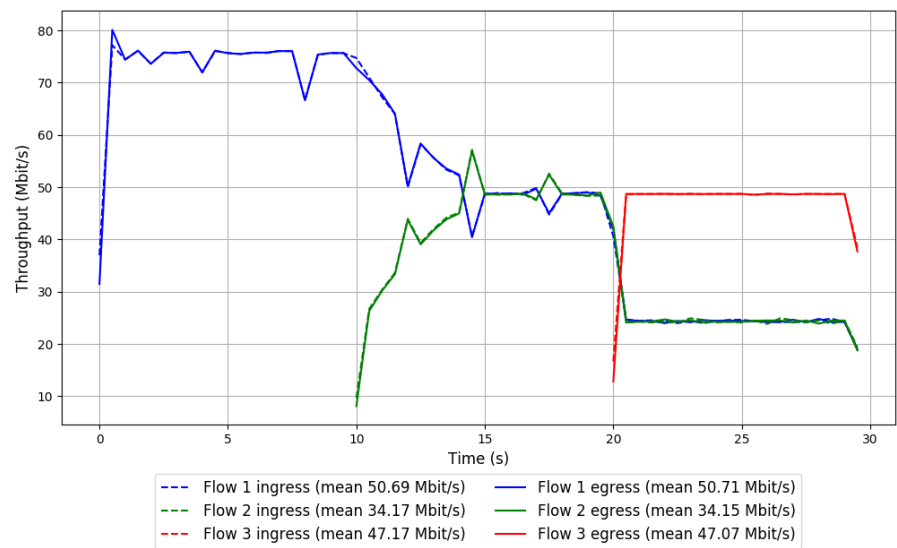


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 23:36:01  
End at: 2017-09-21 23:36:31  
Local clock offset: 0.472 ms  
Remote clock offset: -2.196 ms

# Below is generated by plot.py at 2017-09-22 06:12:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.92 Mbit/s  
95th percentile per-packet one-way delay: 60.961 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 50.71 Mbit/s  
95th percentile per-packet one-way delay: 60.927 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 34.15 Mbit/s  
95th percentile per-packet one-way delay: 61.093 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 47.07 Mbit/s  
95th percentile per-packet one-way delay: 39.646 ms  
Loss rate: 0.49%

Run 2: Report of QUIC Cubic — Data Link

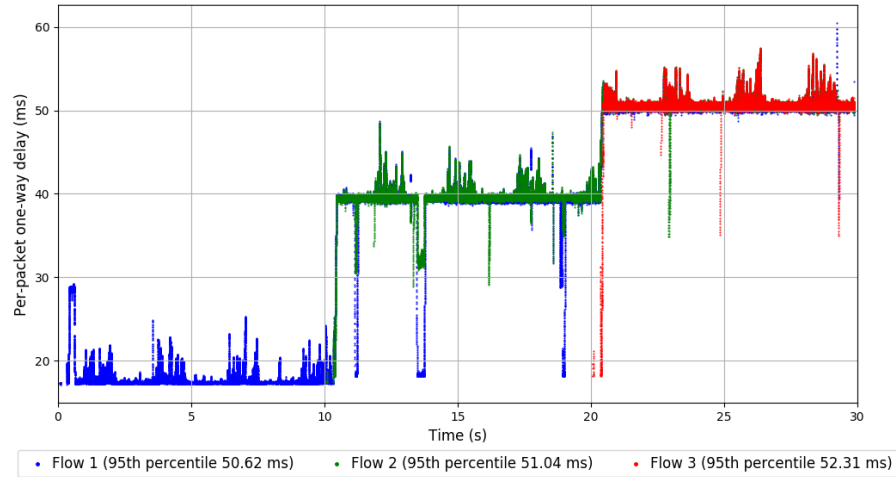
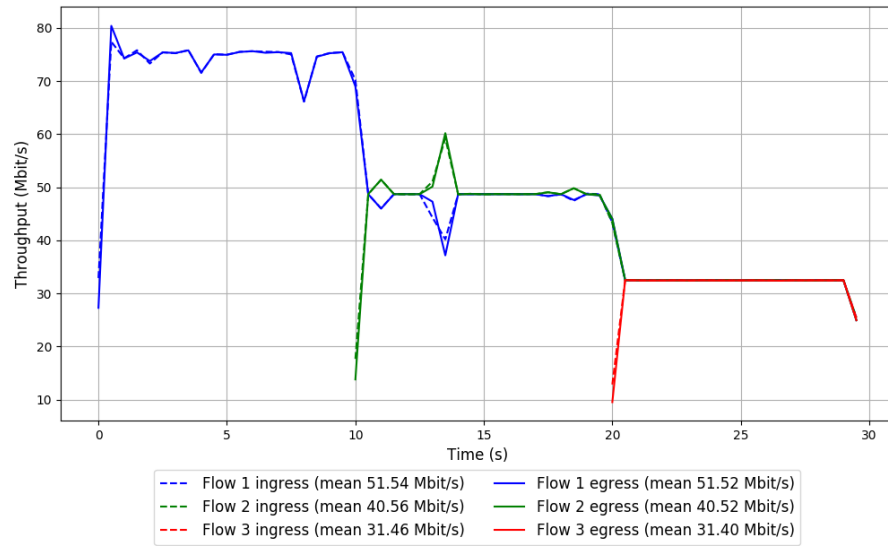


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 23:54:14  
End at: 2017-09-21 23:54:44  
Local clock offset: -0.121 ms  
Remote clock offset: -2.886 ms

# Below is generated by plot.py at 2017-09-22 06:12:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.81 Mbit/s  
95th percentile per-packet one-way delay: 50.944 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 51.52 Mbit/s  
95th percentile per-packet one-way delay: 50.620 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 40.52 Mbit/s  
95th percentile per-packet one-way delay: 51.038 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 31.40 Mbit/s  
95th percentile per-packet one-way delay: 52.309 ms  
Loss rate: 0.60%

### Run 3: Report of QUIC Cubic — Data Link

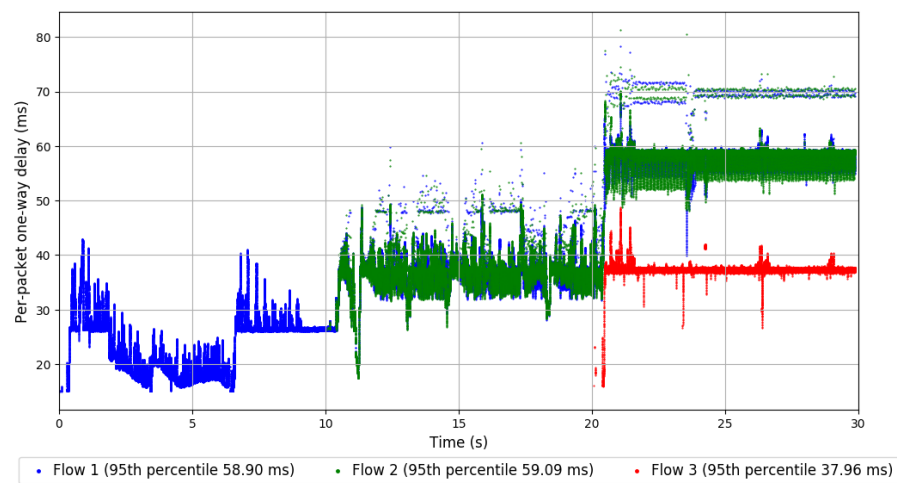
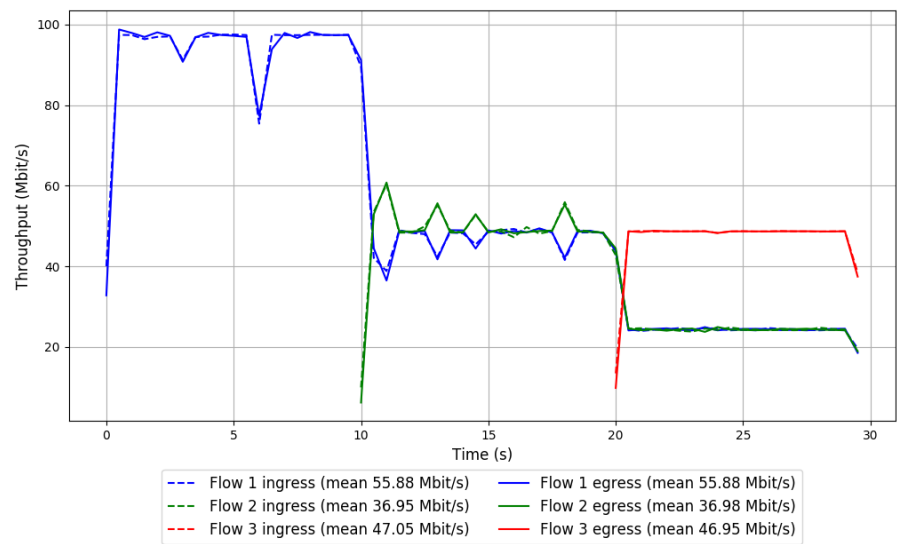


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-22 00:12:57  
End at: 2017-09-22 00:13:27  
Local clock offset: -1.786 ms  
Remote clock offset: -2.192 ms

# Below is generated by plot.py at 2017-09-22 06:13:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.87 Mbit/s  
95th percentile per-packet one-way delay: 58.931 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 55.88 Mbit/s  
95th percentile per-packet one-way delay: 58.896 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 36.98 Mbit/s  
95th percentile per-packet one-way delay: 59.093 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 46.95 Mbit/s  
95th percentile per-packet one-way delay: 37.961 ms  
Loss rate: 0.49%

Run 4: Report of QUIC Cubic — Data Link



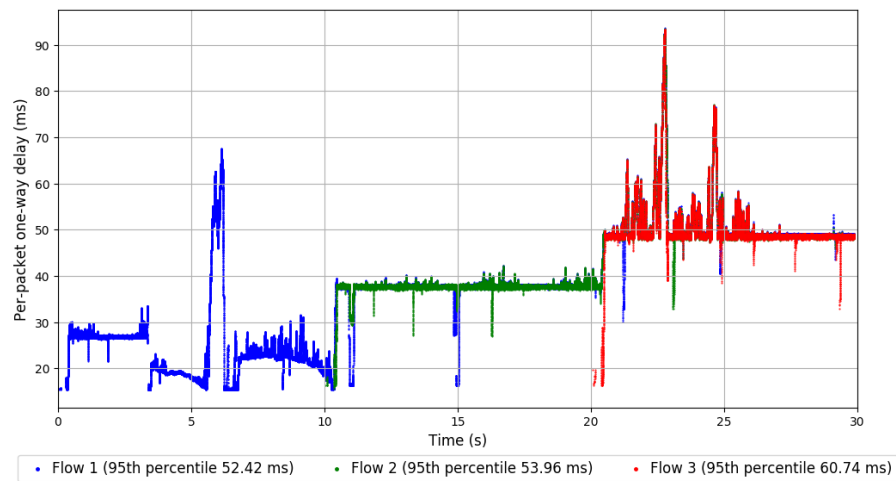
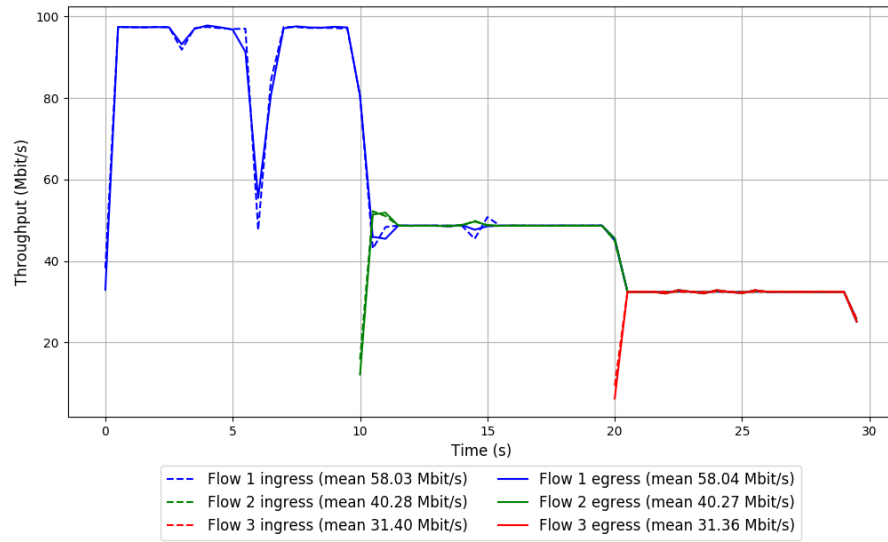
Run 5: Statistics of QUIC Cubic

Start at: 2017-09-22 00:31:22  
End at: 2017-09-22 00:31:52  
Local clock offset: -2.29 ms  
Remote clock offset: -3.056 ms

# Below is generated by plot.py at 2017-09-22 06:14:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.11 Mbit/s  
95th percentile per-packet one-way delay: 53.982 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 58.04 Mbit/s  
95th percentile per-packet one-way delay: 52.419 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 40.27 Mbit/s  
95th percentile per-packet one-way delay: 53.956 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 31.36 Mbit/s  
95th percentile per-packet one-way delay: 60.741 ms  
Loss rate: 0.61%



## Run 5: Report of QUIC Cubic — Data Link

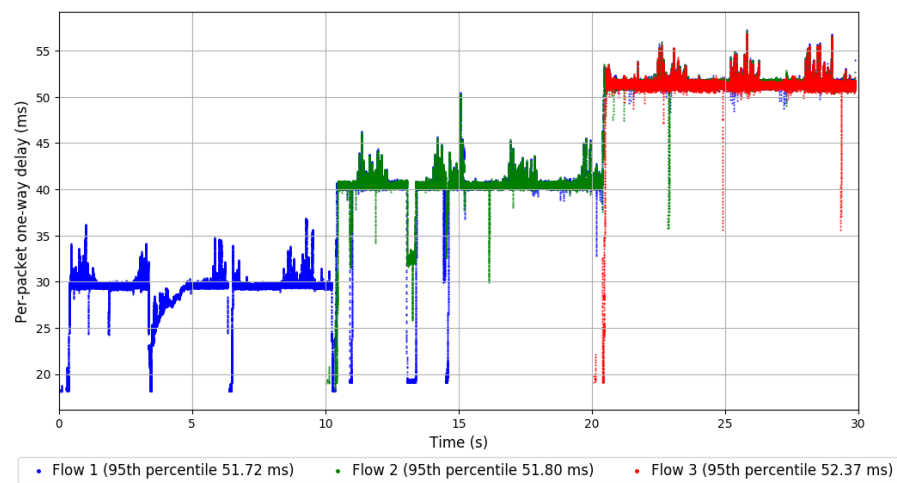
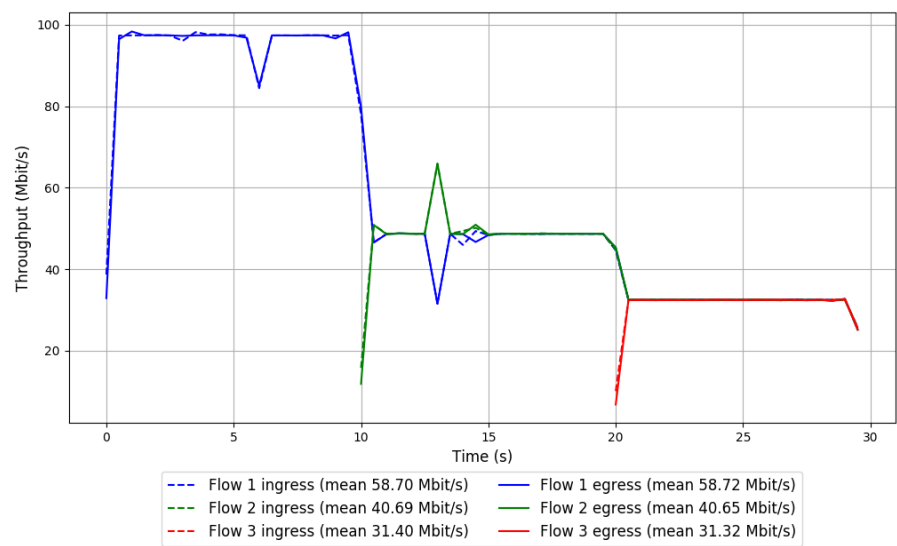


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-22 00:50:27  
End at: 2017-09-22 00:50:57  
Local clock offset: -0.826 ms  
Remote clock offset: -2.222 ms

# Below is generated by plot.py at 2017-09-22 06:14:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 51.781 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.72 Mbit/s  
95th percentile per-packet one-way delay: 51.718 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.65 Mbit/s  
95th percentile per-packet one-way delay: 51.805 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.32 Mbit/s  
95th percentile per-packet one-way delay: 52.370 ms  
Loss rate: 0.62%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-22 01:09:12

End at: 2017-09-22 01:09:42

Local clock offset: 1.078 ms

Remote clock offset: -2.65 ms

# Below is generated by plot.py at 2017-09-22 06:14:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.64 Mbit/s

95th percentile per-packet one-way delay: 53.645 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 51.29 Mbit/s

95th percentile per-packet one-way delay: 53.167 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 53.706 ms

Loss rate: 0.23%

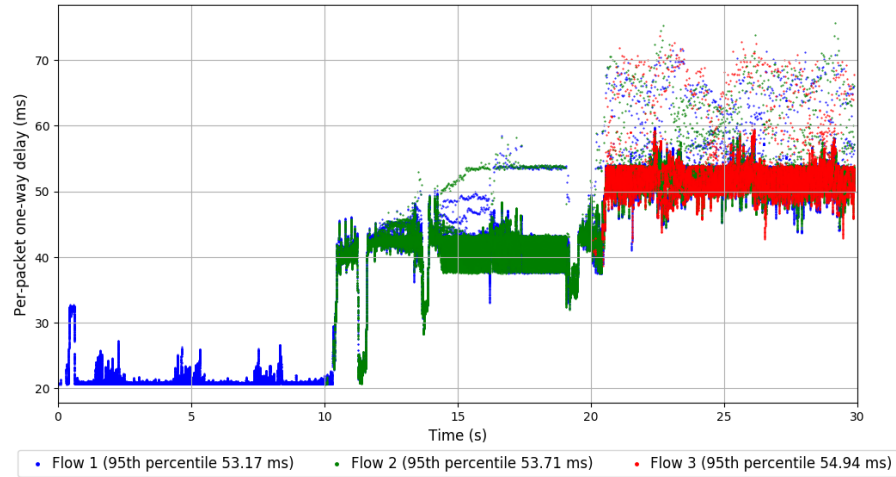
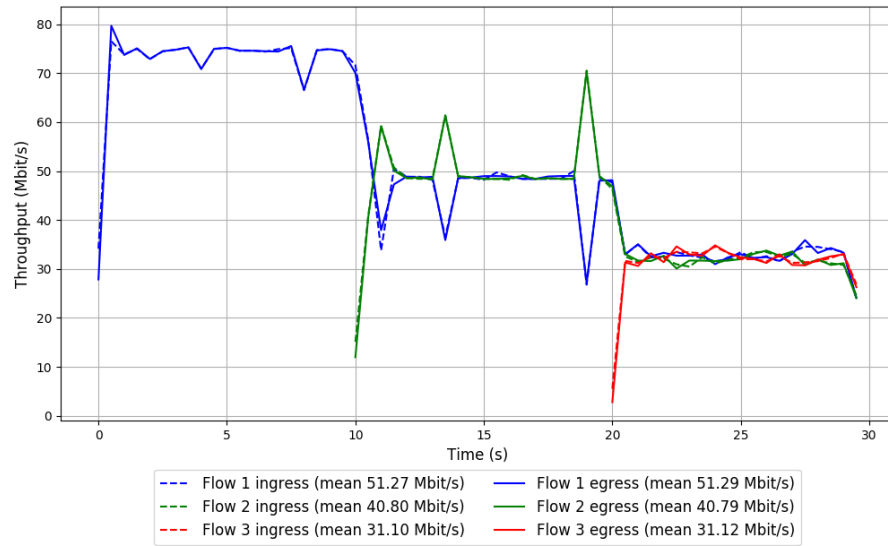
-- Flow 3:

Average throughput: 31.12 Mbit/s

95th percentile per-packet one-way delay: 54.937 ms

Loss rate: 0.66%

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

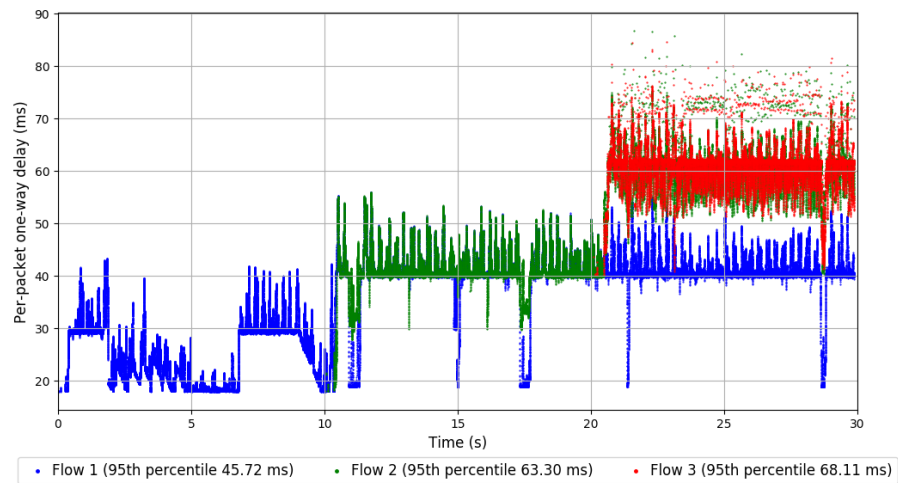
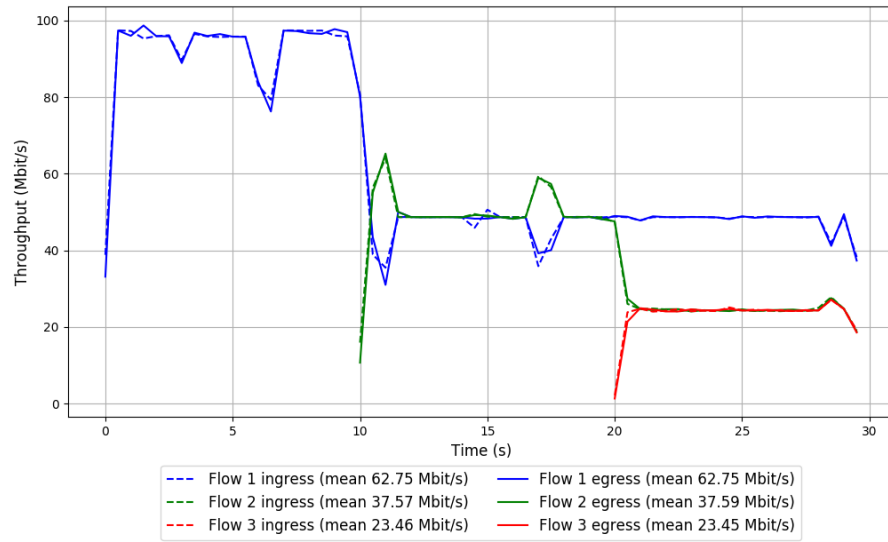


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-22 01:38:38  
End at: 2017-09-22 01:39:08  
Local clock offset: -0.492 ms  
Remote clock offset: -2.054 ms

# Below is generated by plot.py at 2017-09-22 06:14:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.39 Mbit/s  
95th percentile per-packet one-way delay: 61.919 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 62.75 Mbit/s  
95th percentile per-packet one-way delay: 45.721 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 37.59 Mbit/s  
95th percentile per-packet one-way delay: 63.301 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 23.45 Mbit/s  
95th percentile per-packet one-way delay: 68.110 ms  
Loss rate: 0.77%

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



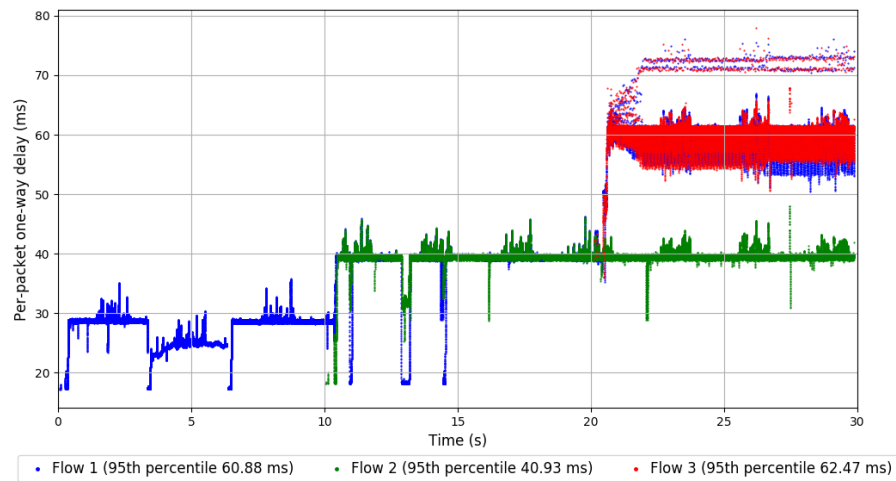
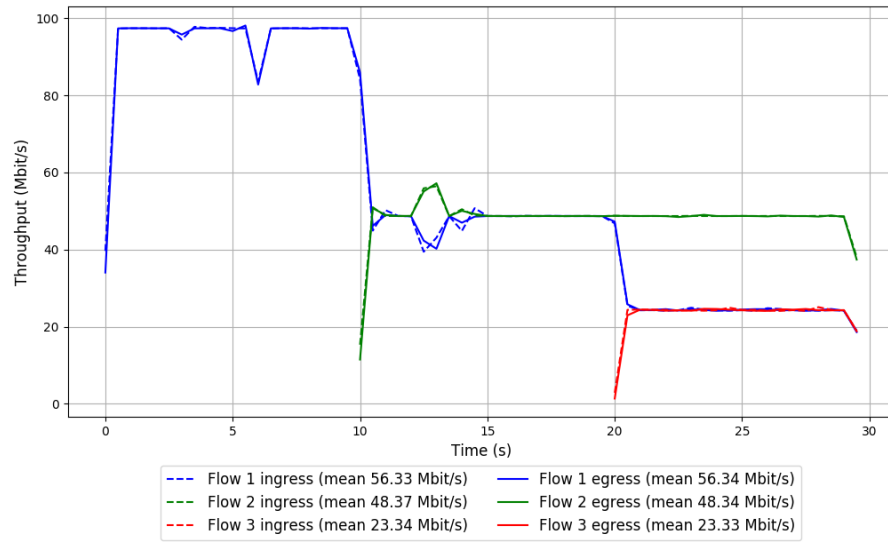
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-22 02:09:59  
End at: 2017-09-22 02:10:29  
Local clock offset: -0.801 ms  
Remote clock offset: -1.686 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.10 Mbit/s  
95th percentile per-packet one-way delay: 61.005 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 56.34 Mbit/s  
95th percentile per-packet one-way delay: 60.877 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 48.34 Mbit/s  
95th percentile per-packet one-way delay: 40.934 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 23.33 Mbit/s  
95th percentile per-packet one-way delay: 62.473 ms  
Loss rate: 0.70%



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

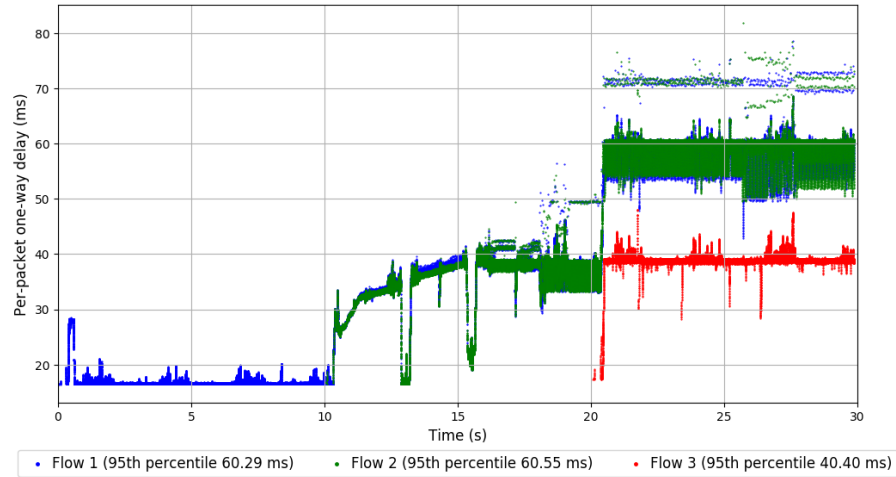
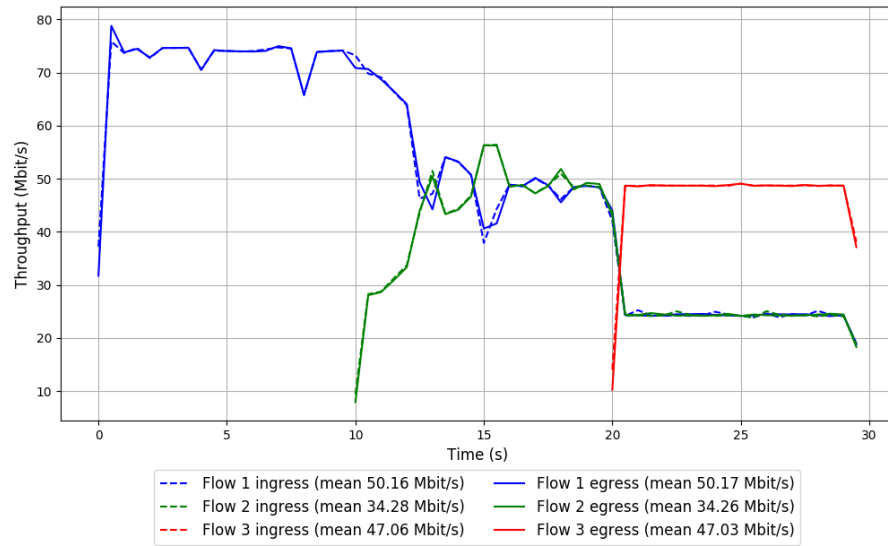


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-22 02:28:57  
End at: 2017-09-22 02:29:27  
Local clock offset: -1.384 ms  
Remote clock offset: -1.481 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.41 Mbit/s  
95th percentile per-packet one-way delay: 60.341 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 50.17 Mbit/s  
95th percentile per-packet one-way delay: 60.286 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 34.26 Mbit/s  
95th percentile per-packet one-way delay: 60.552 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 47.03 Mbit/s  
95th percentile per-packet one-way delay: 40.397 ms  
Loss rate: 0.51%

# Run 10: Report of QUIC Cubic — Data Link

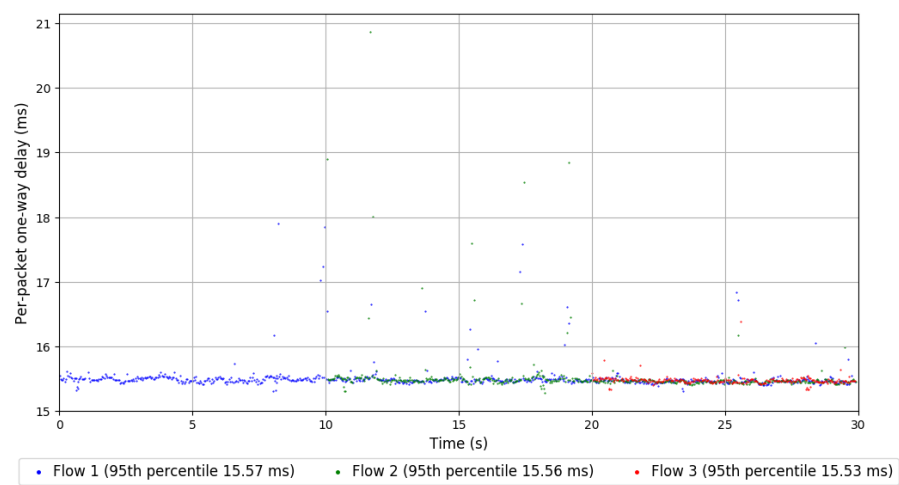
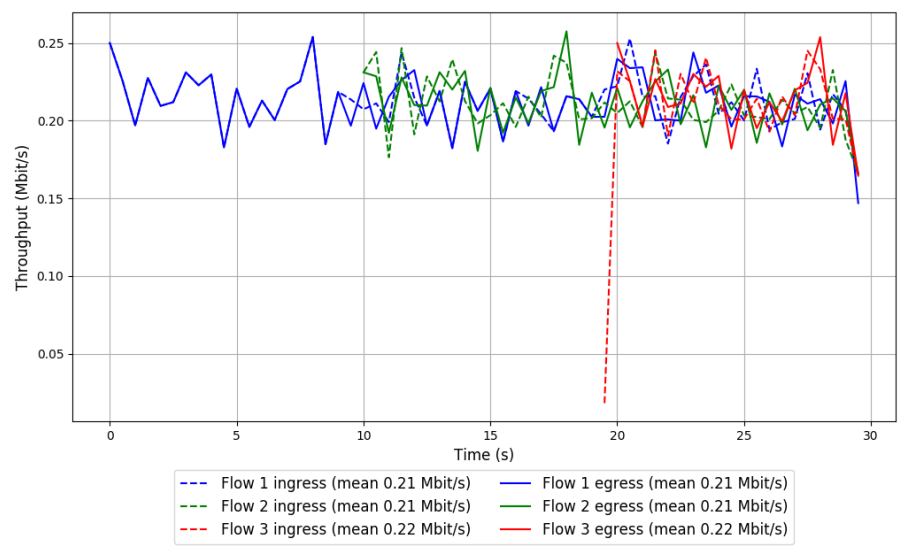


```
Run 1: Statistics of SCReAM

Start at: 2017-09-21 23:21:12
End at: 2017-09-21 23:21:42
Local clock offset: -1.953 ms
Remote clock offset: -3.09 ms

# Below is generated by plot.py at 2017-09-22 06:14:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.564 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.575 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.526 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

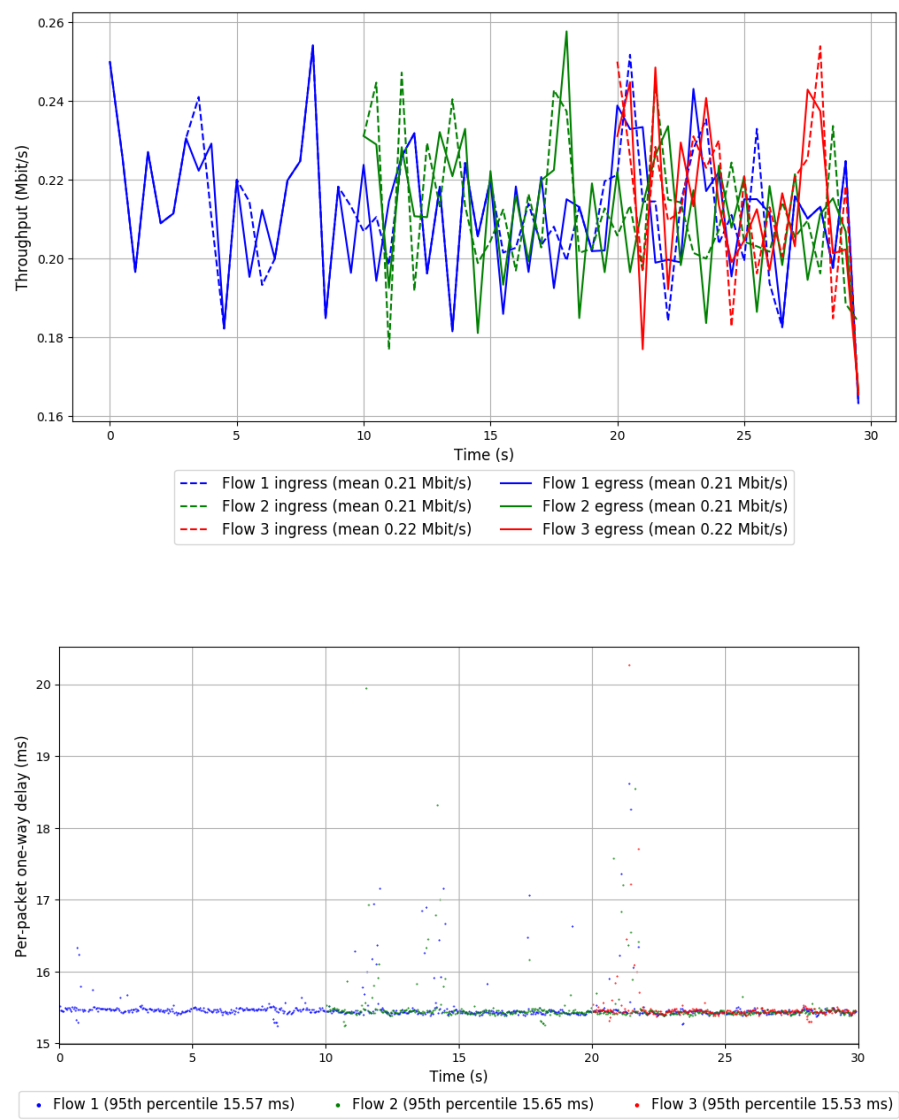


Run 2: Statistics of SReAM

Start at: 2017-09-21 23:38:38  
End at: 2017-09-21 23:39:08  
Local clock offset: -1.349 ms  
Remote clock offset: -2.425 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 15.569 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.566 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.654 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 15.531 ms  
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link



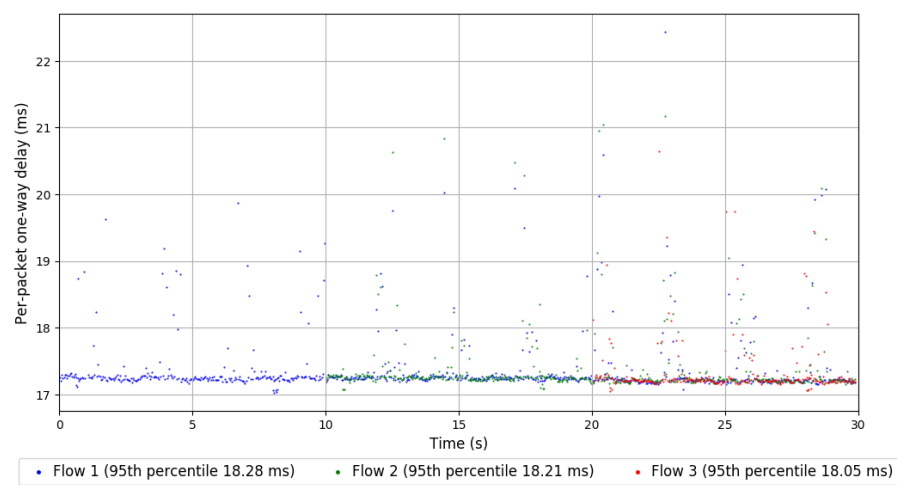
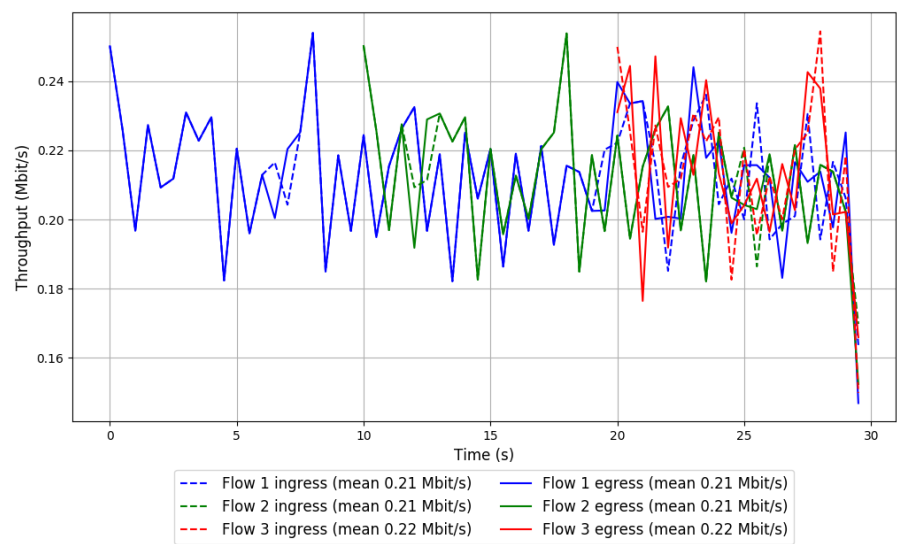
Run 3: Statistics of SReAM

Start at: 2017-09-21 23:57:04  
End at: 2017-09-21 23:57:34  
Local clock offset: -0.294 ms  
Remote clock offset: -2.898 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 18.230 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.277 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.210 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.051 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

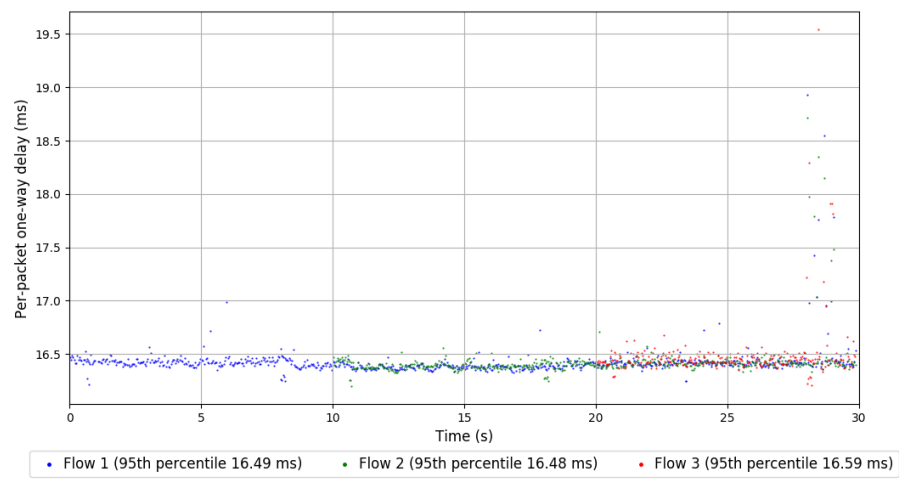
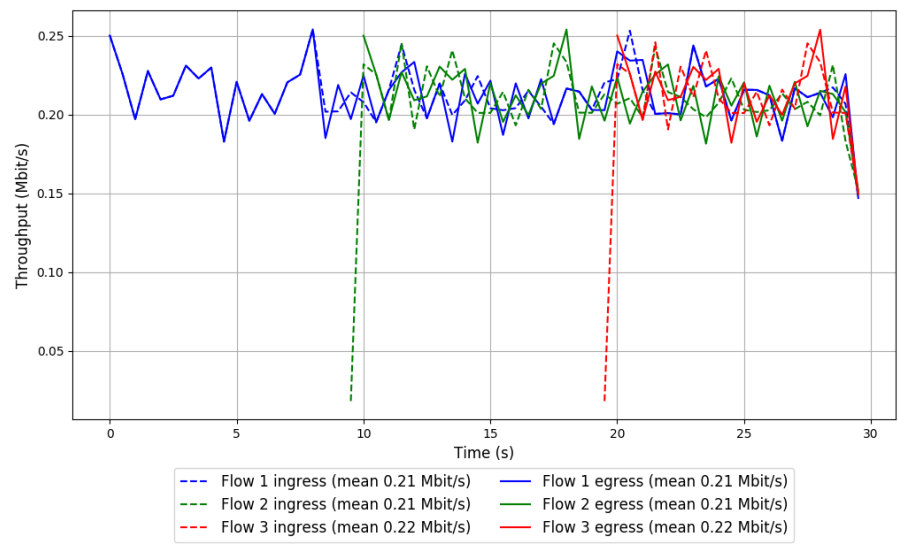


Run 4: Statistics of SReAM

Start at: 2017-09-22 00:15:30  
End at: 2017-09-22 00:16:00  
Local clock offset: -1.264 ms  
Remote clock offset: -2.928 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 16.512 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 16.486 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 16.476 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 16.586 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-09-22 00:34:17

End at: 2017-09-22 00:34:47

Local clock offset: -1.467 ms

Remote clock offset: -2.93 ms

# Below is generated by plot.py at 2017-09-22 06:14:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 17.168 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.120 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.082 ms

Loss rate: 0.21%

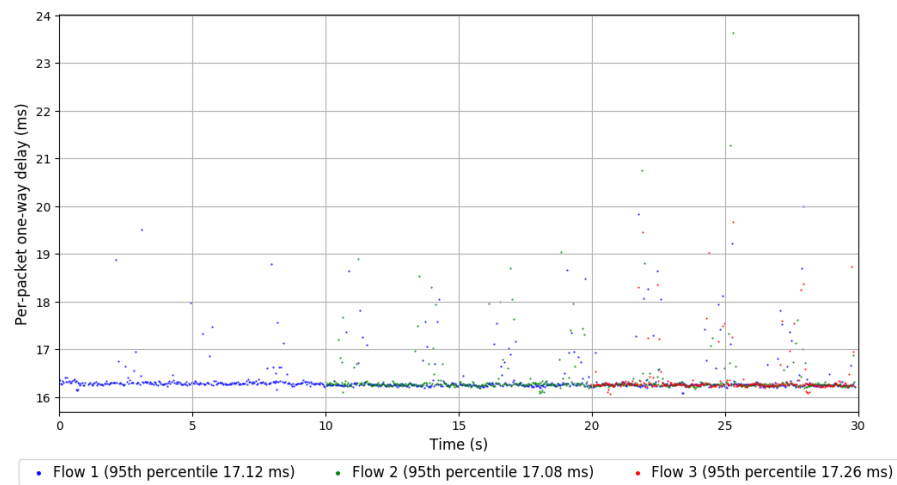
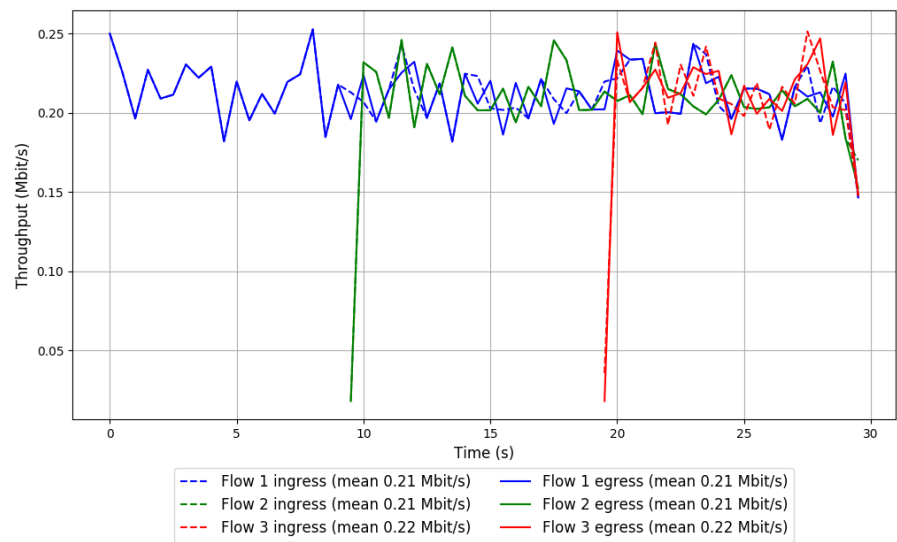
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.261 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

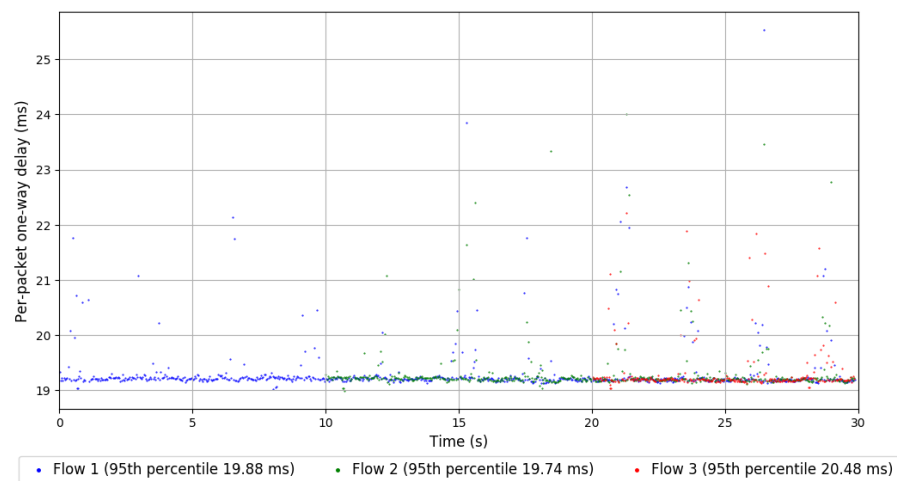
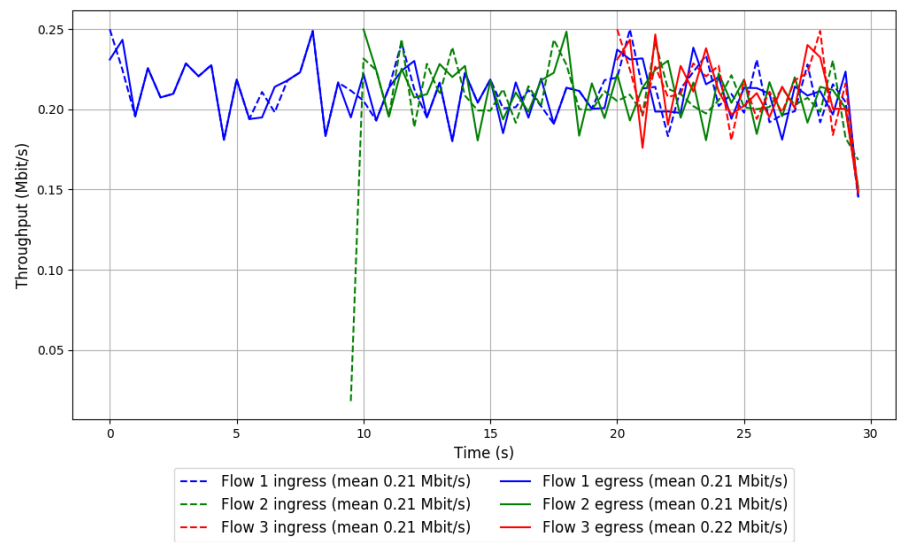


Run 6: Statistics of SReAM

Start at: 2017-09-22 00:53:12  
End at: 2017-09-22 00:53:42  
Local clock offset: 0.25 ms  
Remote clock offset: -2.019 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 19.934 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 19.879 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 19.743 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 20.483 ms  
Loss rate: 0.39%

Run 6: Report of SReAM — Data Link



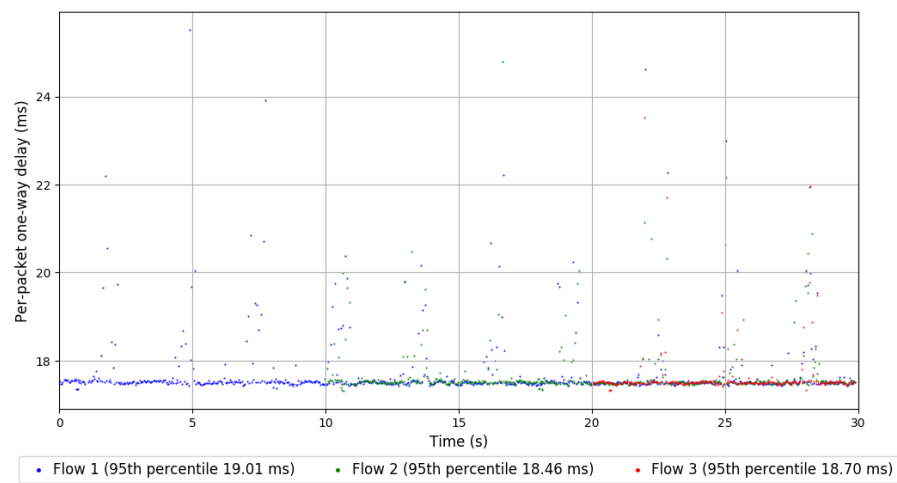
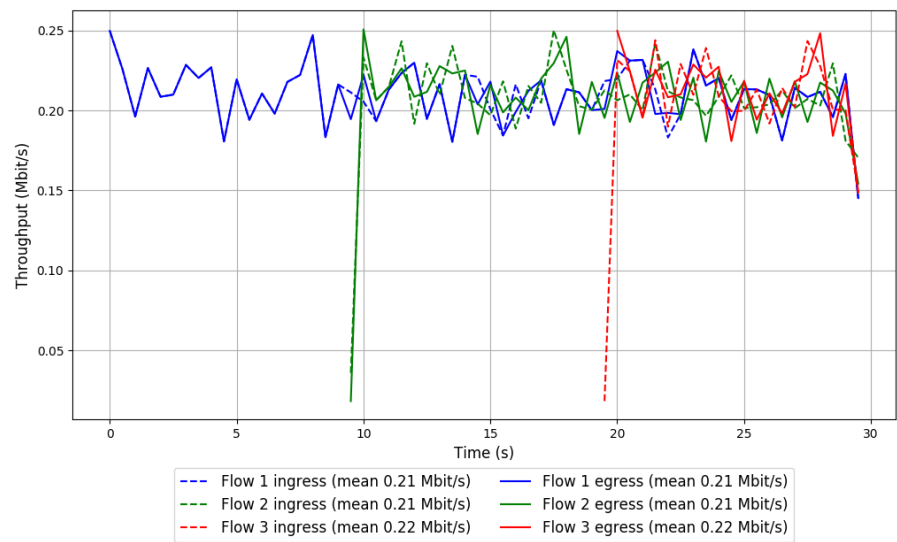
Run 7: Statistics of SReAM

Start at: 2017-09-22 01:11:57  
End at: 2017-09-22 01:12:27  
Local clock offset: -1.452 ms  
Remote clock offset: -2.007 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 18.737 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 19.007 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.464 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.703 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

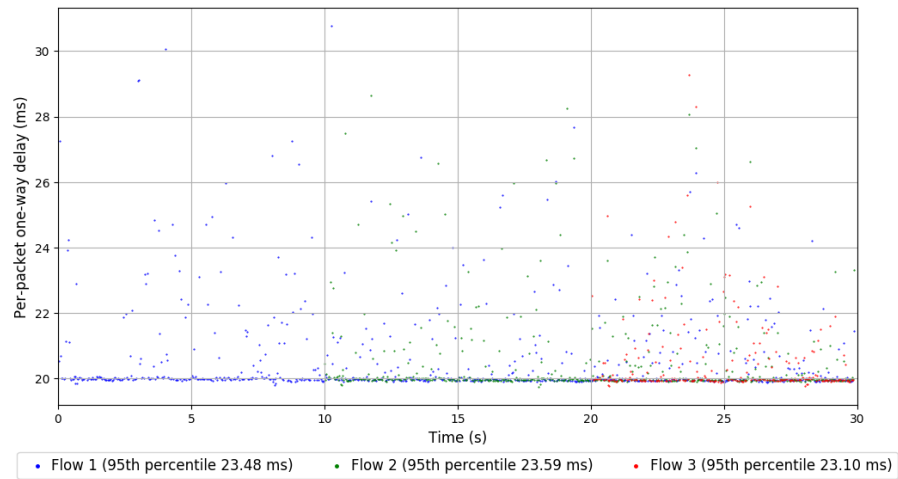
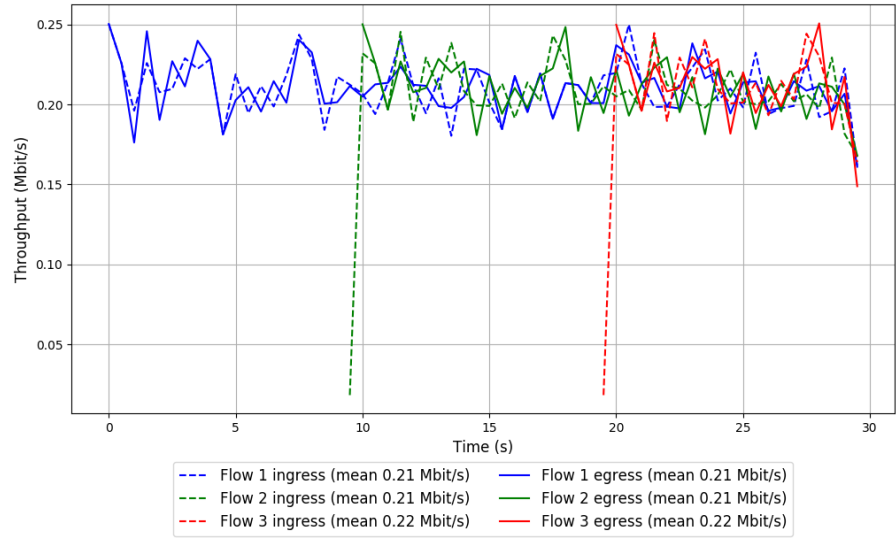


Run 8: Statistics of SReAM

Start at: 2017-09-22 01:46:56  
End at: 2017-09-22 01:47:26  
Local clock offset: 1.251 ms  
Remote clock offset: -2.369 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 23.386 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 23.478 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 23.595 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.102 ms  
Loss rate: 0.35%

## Run 8: Report of SReAM — Data Link

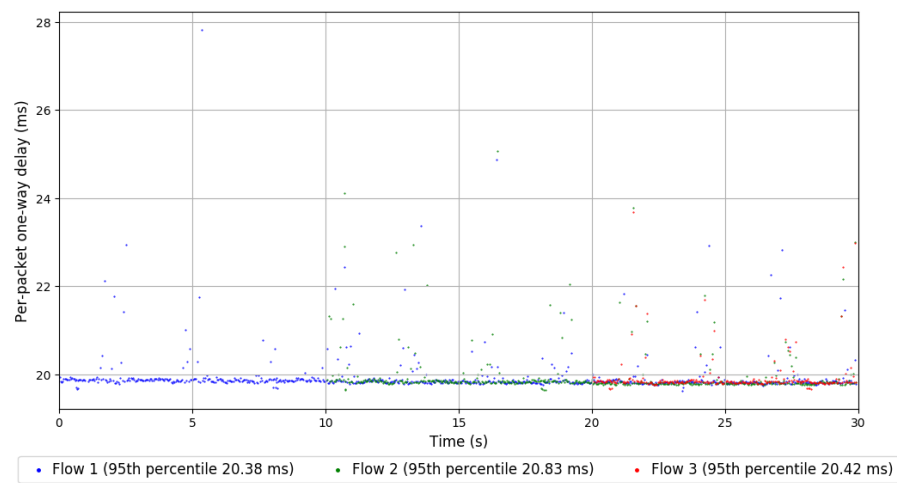
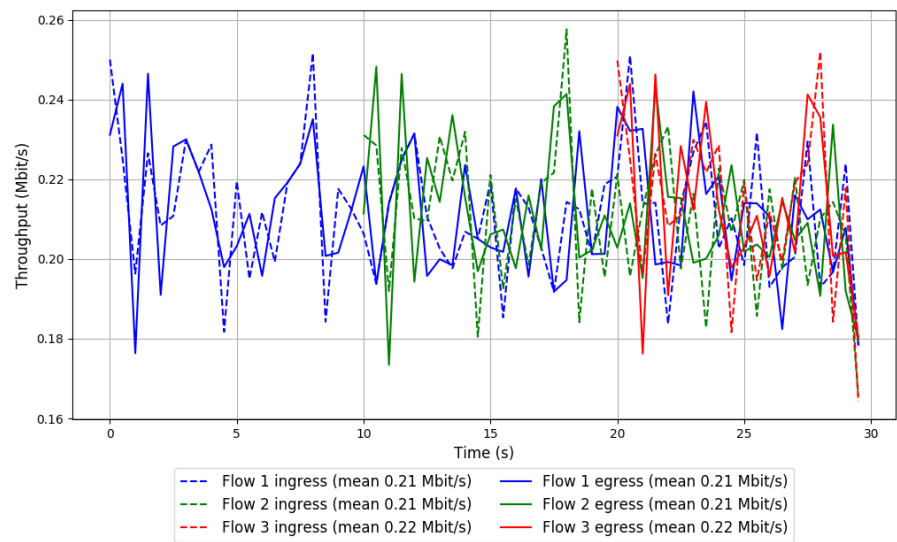


Run 9: Statistics of SReAM

Start at: 2017-09-22 02:12:51  
End at: 2017-09-22 02:13:21  
Local clock offset: 1.831 ms  
Remote clock offset: -1.616 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 20.529 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 20.375 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 20.834 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 20.424 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

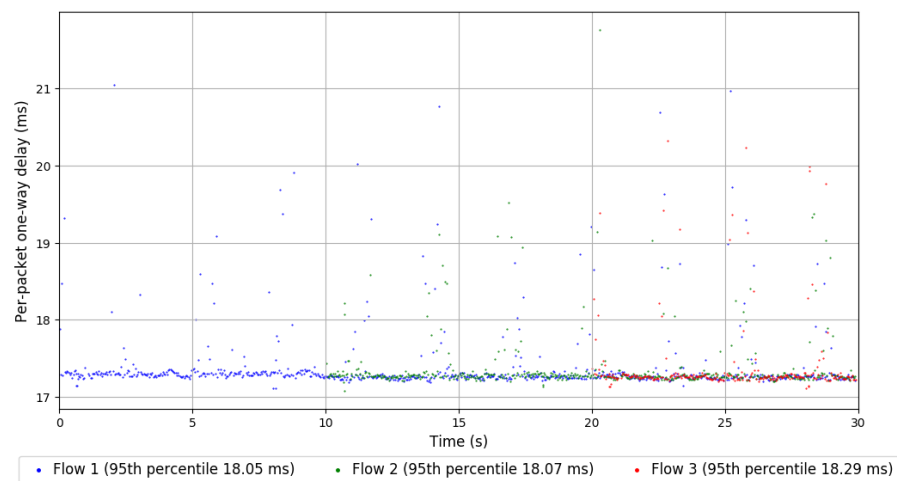
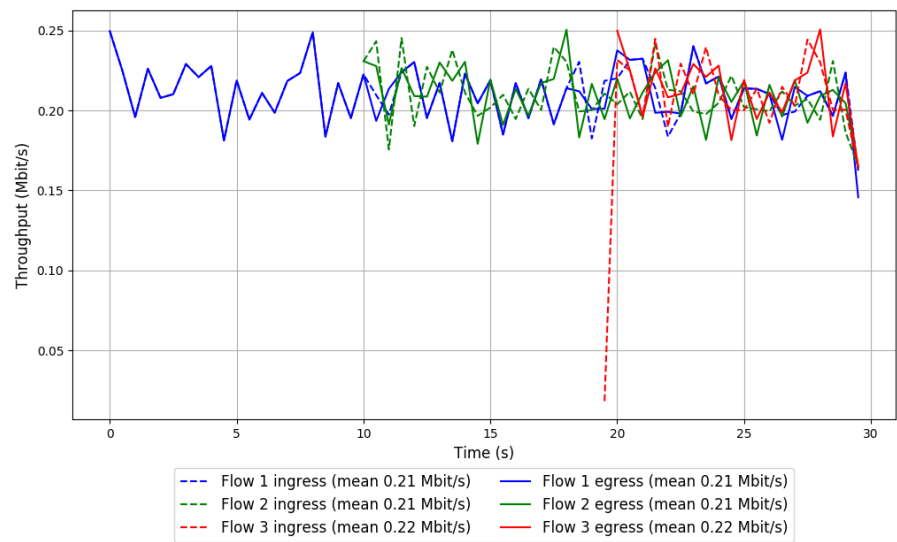


Run 10: Statistics of SReAM

Start at: 2017-09-22 02:31:46  
End at: 2017-09-22 02:32:16  
Local clock offset: -1.413 ms  
Remote clock offset: -2.249 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 18.171 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.047 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.066 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 18.288 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-21 23:29:49

End at: 2017-09-21 23:30:19

Local clock offset: 1.133 ms

Remote clock offset: -3.94 ms

# Below is generated by plot.py at 2017-09-22 06:14:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 20.758 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 20.615 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 20.837 ms

Loss rate: 0.00%

-- Flow 3:

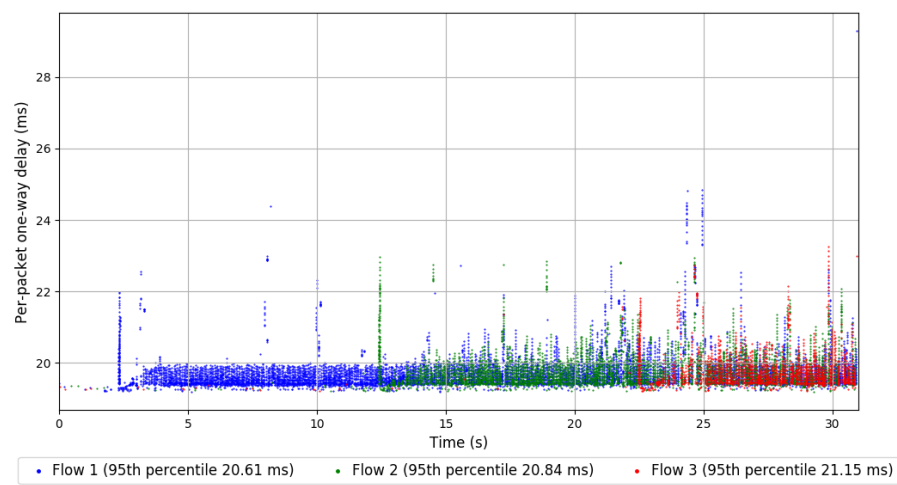
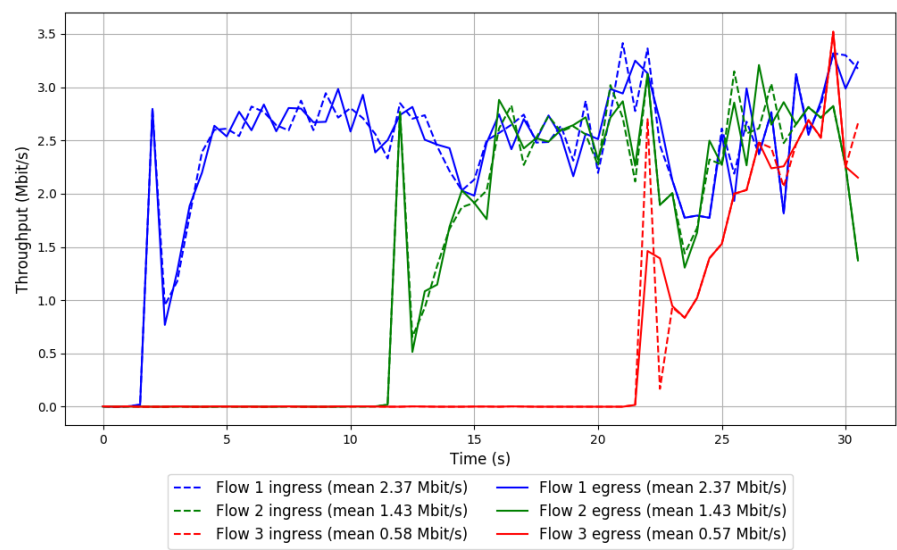
Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21.149 ms

Loss rate: 1.42%



Run 1: Report of WebRTC media — Data Link

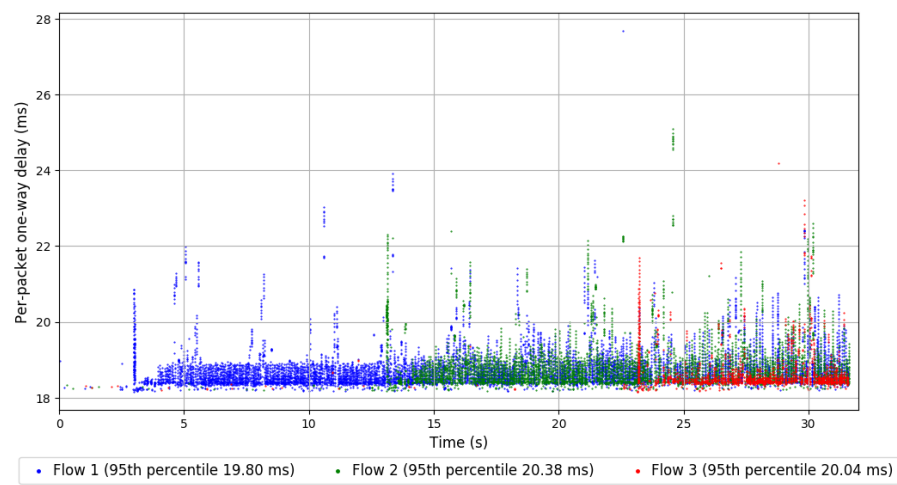
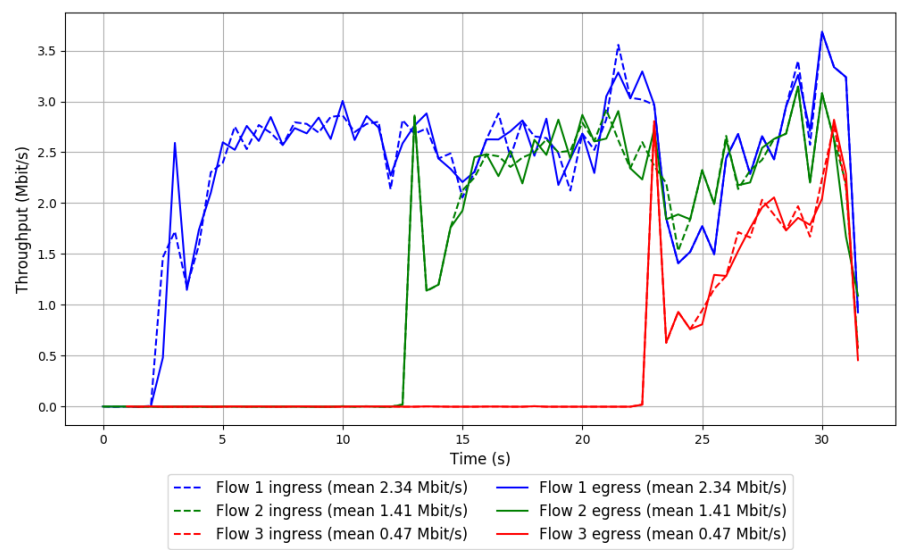


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 23:47:11  
End at: 2017-09-21 23:47:41  
Local clock offset: 1.191 ms  
Remote clock offset: -2.712 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.19 Mbit/s  
95th percentile per-packet one-way delay: 20.060 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 19.797 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 20.378 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 20.038 ms  
Loss rate: 0.34%

Run 2: Report of WebRTC media — Data Link

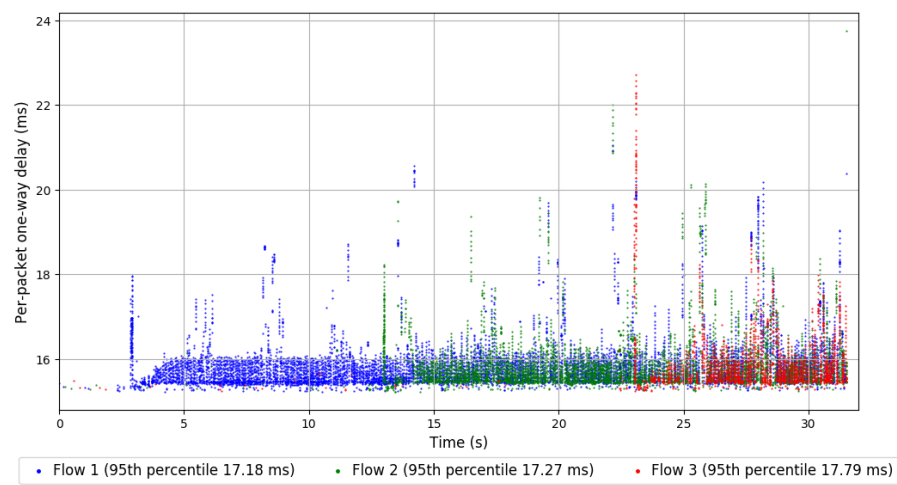
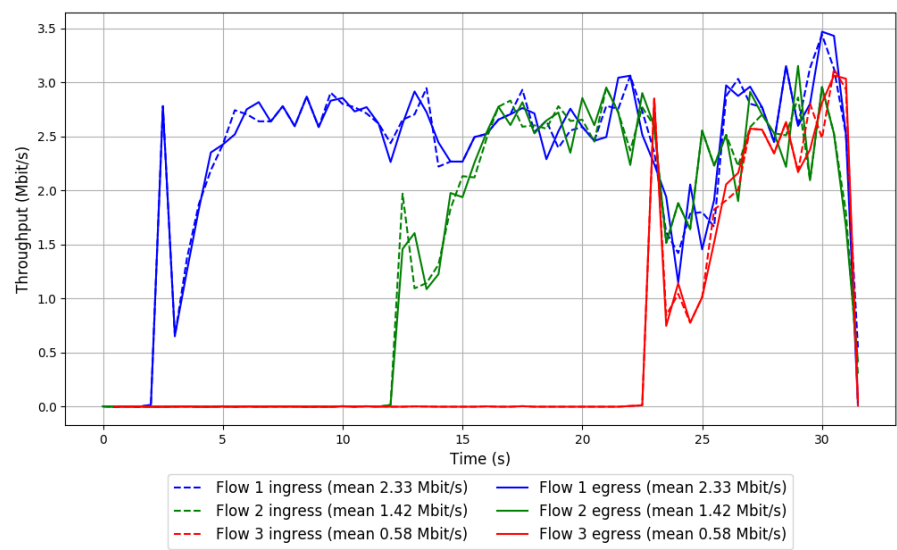


Run 3: Statistics of WebRTC media

Start at: 2017-09-22 00:06:36  
End at: 2017-09-22 00:07:06  
Local clock offset: -1.44 ms  
Remote clock offset: -2.224 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.31 Mbit/s  
95th percentile per-packet one-way delay: 17.293 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 17.183 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 1.42 Mbit/s  
95th percentile per-packet one-way delay: 17.272 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 17.786 ms  
Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link

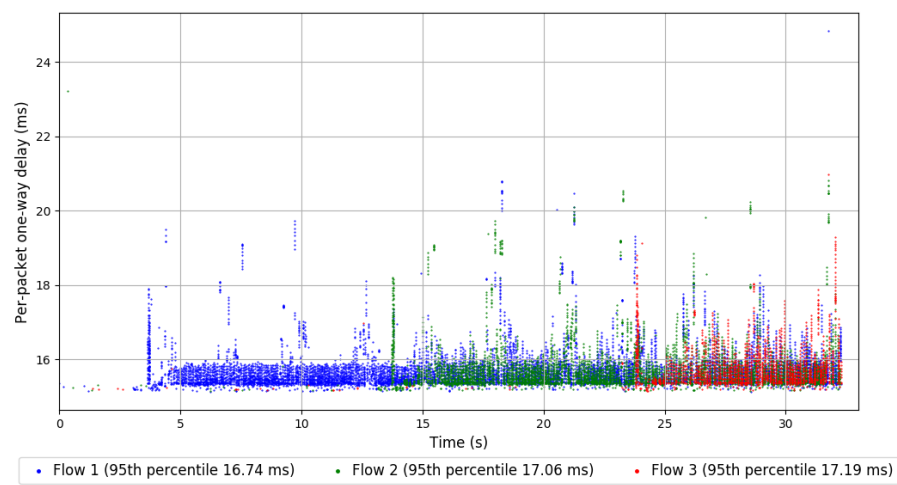
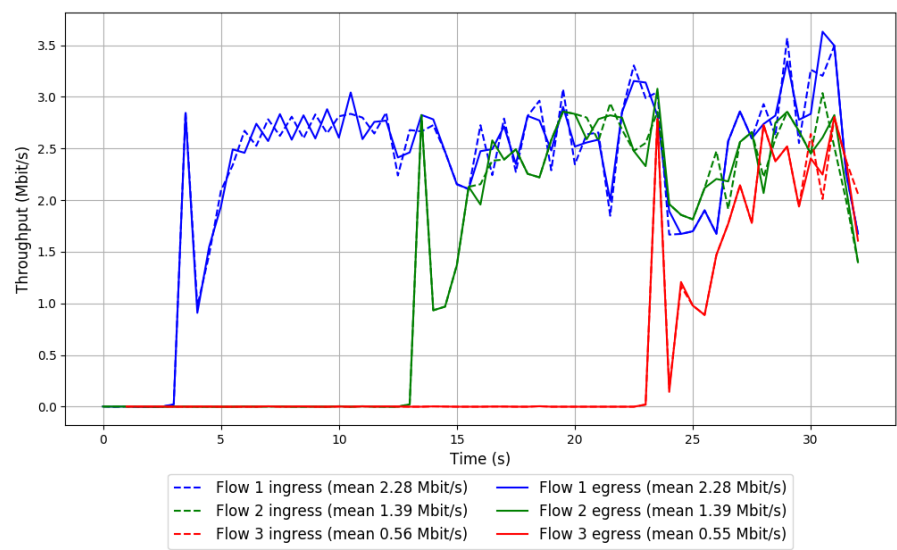


Run 4: Statistics of WebRTC media

Start at: 2017-09-22 00:24:55  
End at: 2017-09-22 00:25:25  
Local clock offset: -2.654 ms  
Remote clock offset: -3.225 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.18 Mbit/s  
95th percentile per-packet one-way delay: 16.925 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 2.28 Mbit/s  
95th percentile per-packet one-way delay: 16.742 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.39 Mbit/s  
95th percentile per-packet one-way delay: 17.063 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.55 Mbit/s  
95th percentile per-packet one-way delay: 17.188 ms  
Loss rate: 1.31%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-22 00:43:46

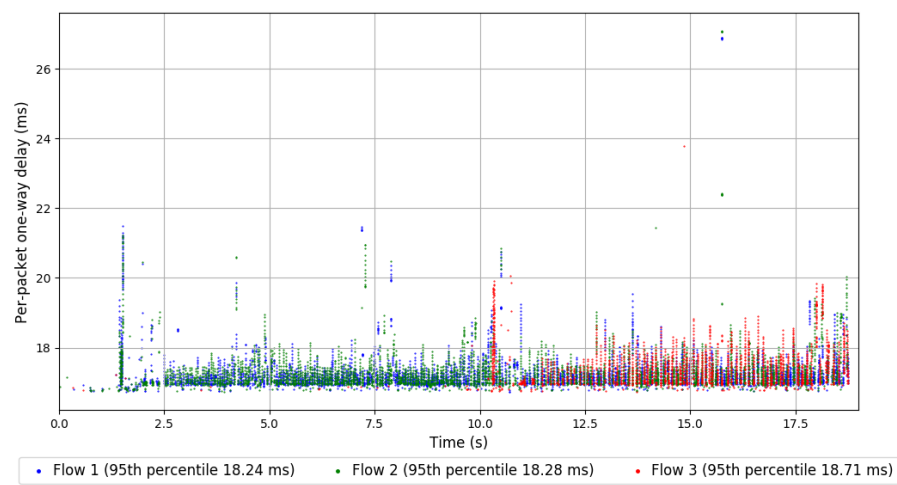
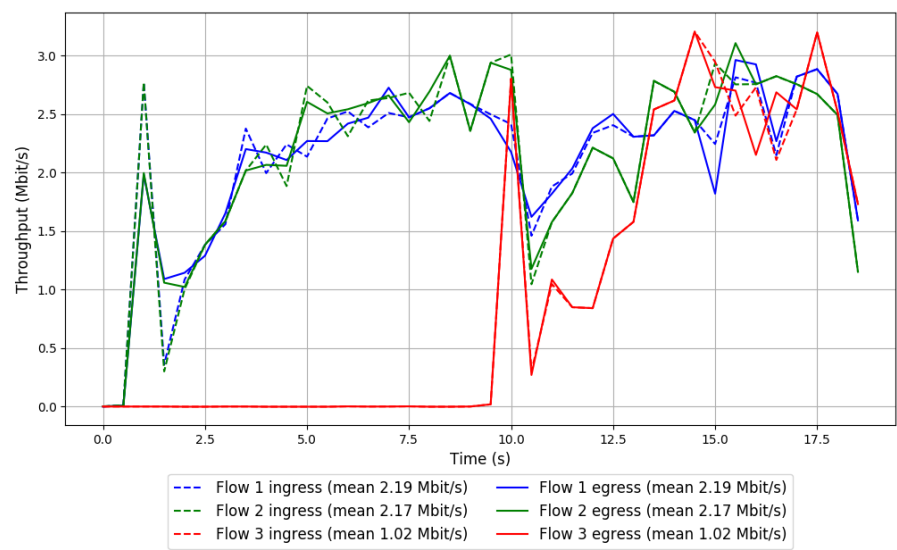
End at: 2017-09-22 00:44:16

Local clock offset: -1.272 ms

Remote clock offset: -1.535 ms



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

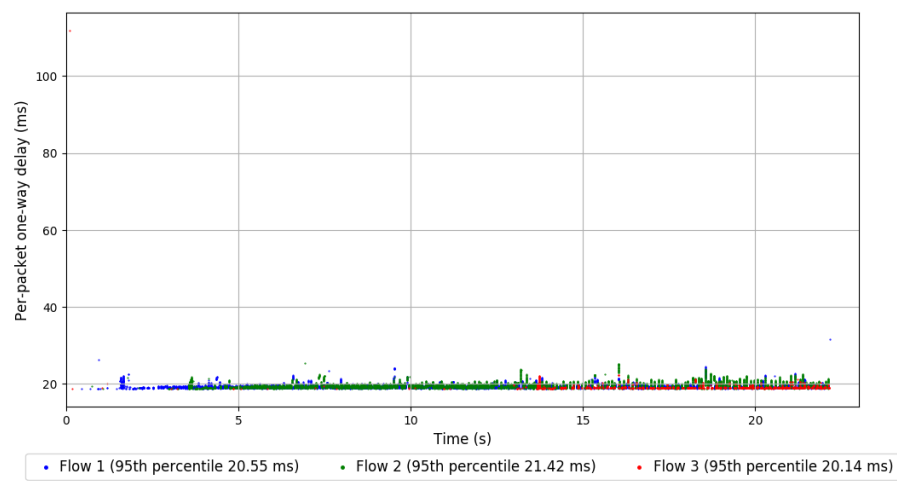
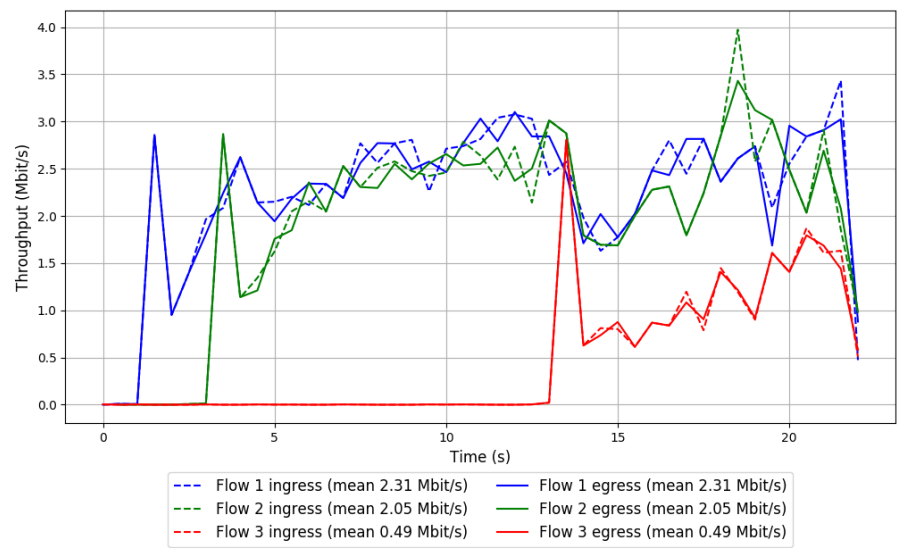
Start at: 2017-09-22 01:02:21

End at: 2017-09-22 01:02:51

Local clock offset: 0.884 ms

Remote clock offset: -1.026 ms

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-22 01:24:05

End at: 2017-09-22 01:24:35

Local clock offset: -1.506 ms

Remote clock offset: -1.95 ms

# Below is generated by plot.py at 2017-09-22 06:14:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 24.016 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 22.738 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 24.140 ms

Loss rate: 0.25%

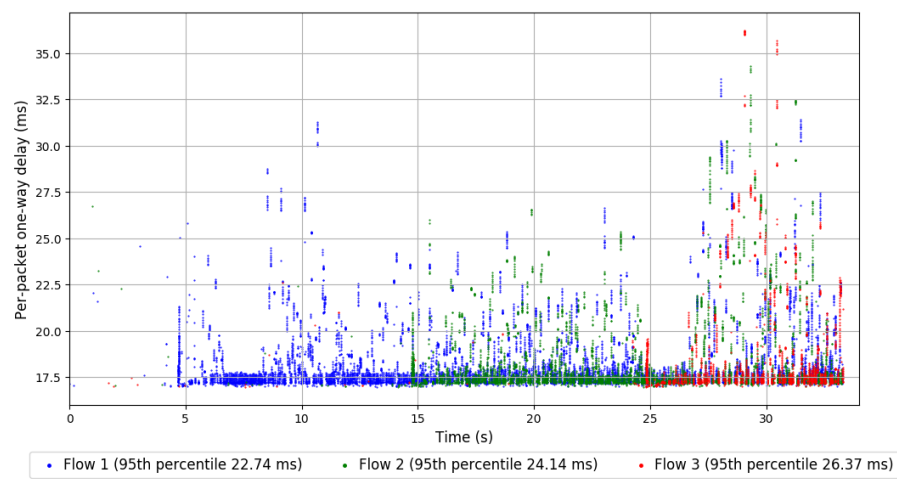
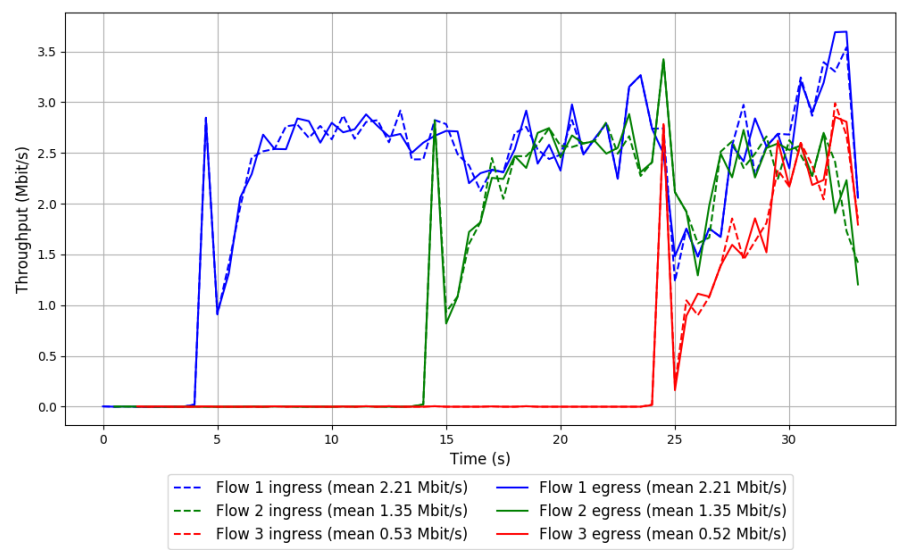
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 26.367 ms

Loss rate: 0.18%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-22 02:03:09

End at: 2017-09-22 02:03:39

Local clock offset: -1.668 ms

Remote clock offset: -2.54 ms

# Below is generated by plot.py at 2017-09-22 06:14:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 19.303 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 19.264 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 19.291 ms

Loss rate: 0.52%

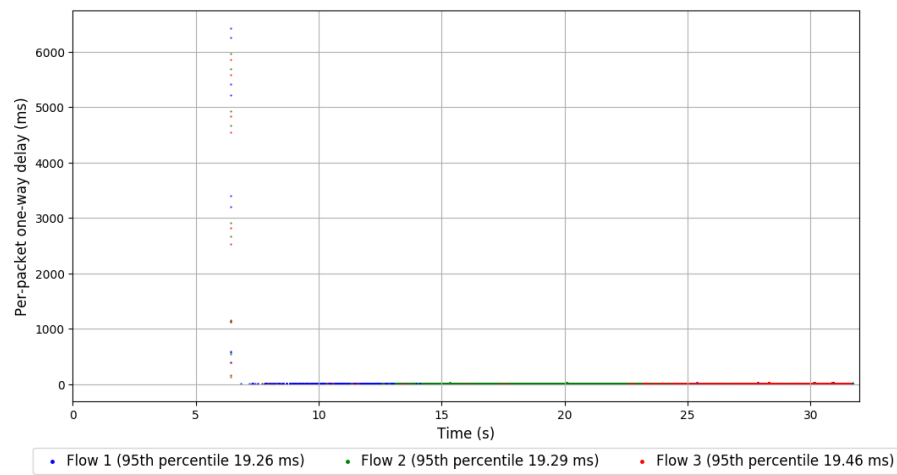
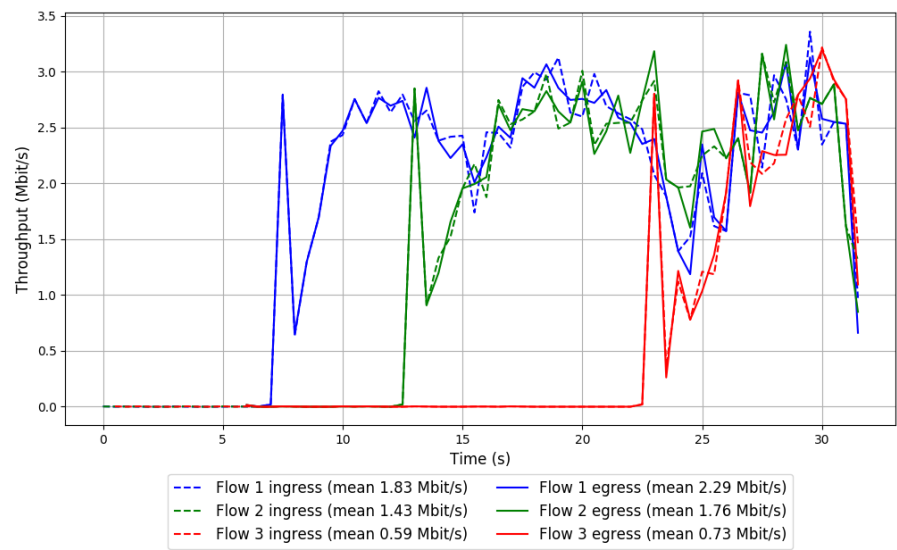
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 19.460 ms

Loss rate: 0.99%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-22 02:22:08

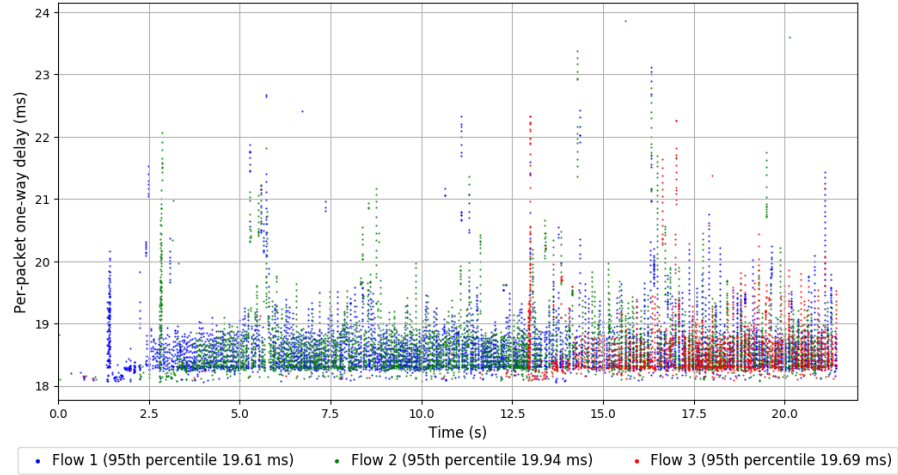
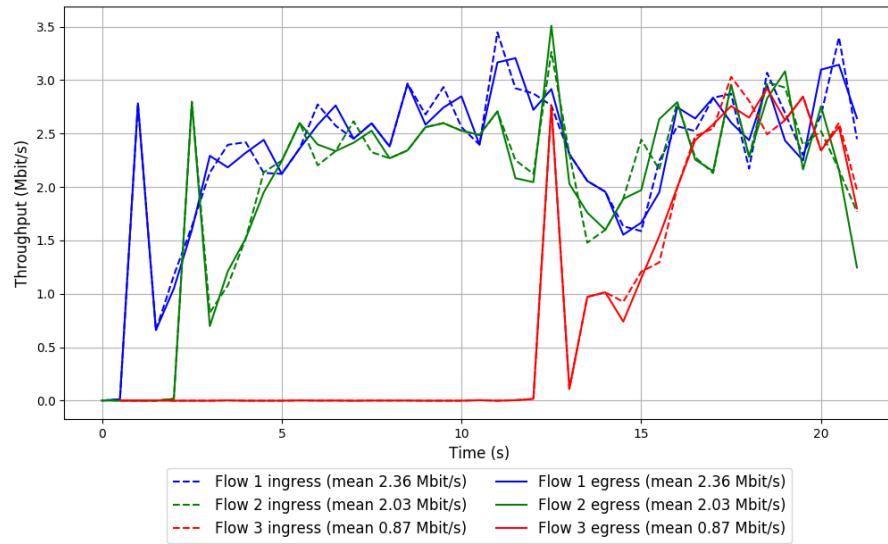
End at: 2017-09-22 02:22:38

Local clock offset: -0.651 ms

Remote clock offset: -2.53 ms



### Run 9: Report of WebRTC media — Data Link

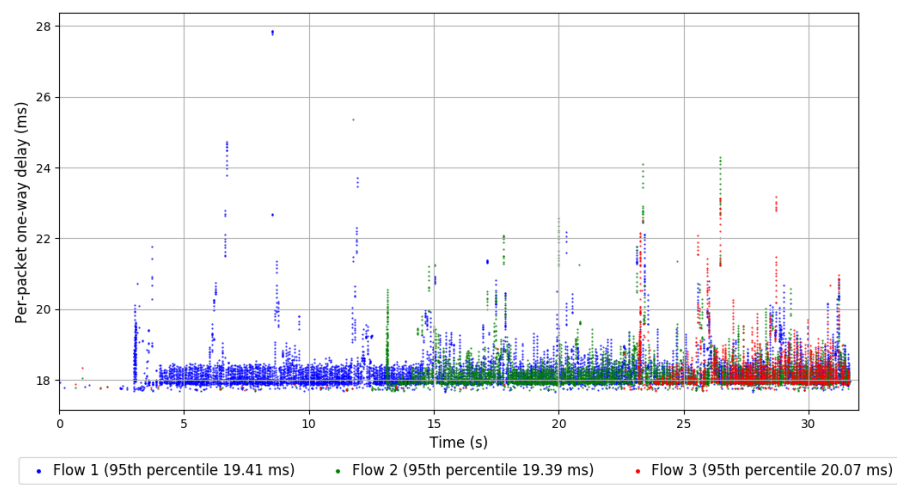
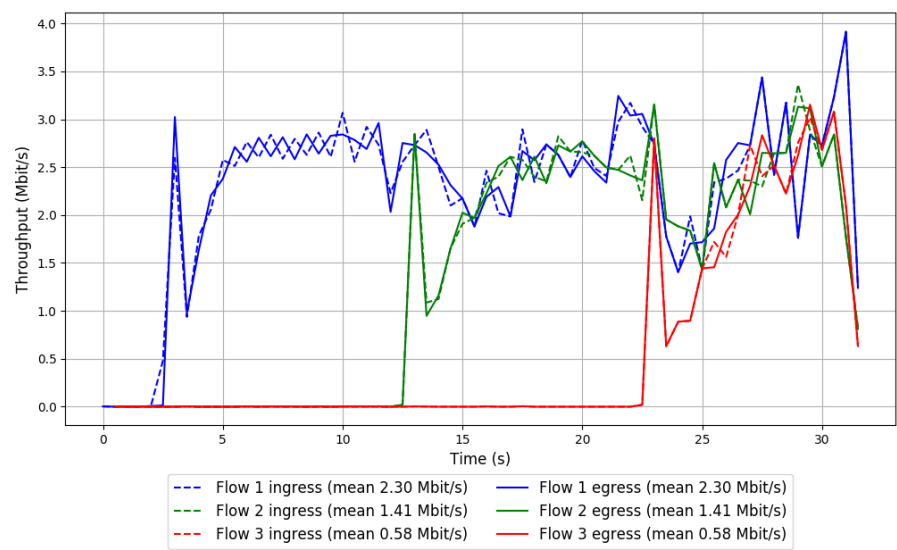


Run 10: Statistics of WebRTC media

Start at: 2017-09-22 02:42:07  
End at: 2017-09-22 02:42:37  
Local clock offset: -0.504 ms  
Remote clock offset: -2.006 ms

# Below is generated by plot.py at 2017-09-22 06:14:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.25 Mbit/s  
95th percentile per-packet one-way delay: 19.493 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.30 Mbit/s  
95th percentile per-packet one-way delay: 19.413 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 19.394 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 20.069 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

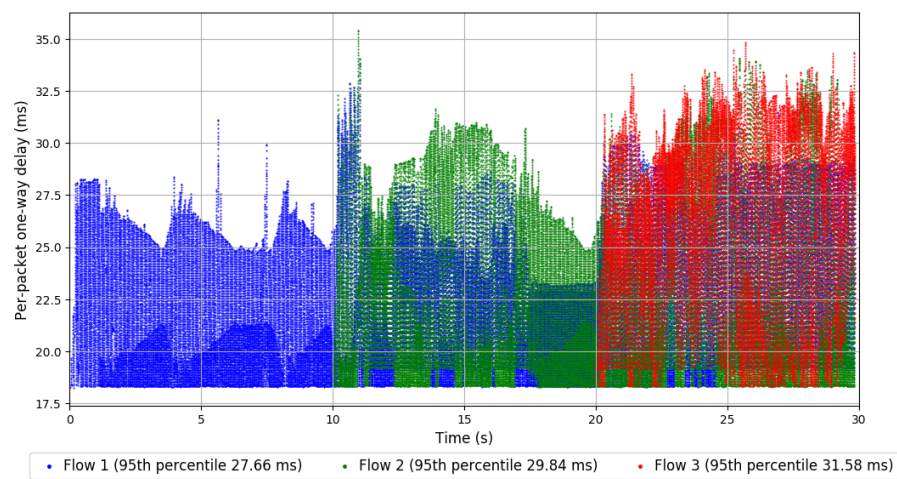
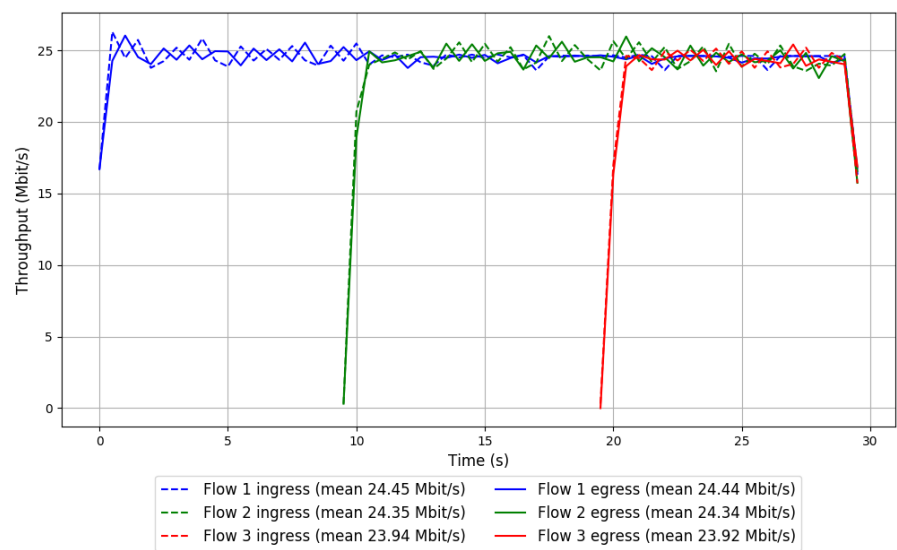


Run 1: Statistics of Sprout

Start at: 2017-09-21 23:23:36  
End at: 2017-09-21 23:24:06  
Local clock offset: 0.557 ms  
Remote clock offset: -3.429 ms

# Below is generated by plot.py at 2017-09-22 06:14:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.58 Mbit/s  
95th percentile per-packet one-way delay: 29.845 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 24.44 Mbit/s  
95th percentile per-packet one-way delay: 27.658 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 29.837 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 23.92 Mbit/s  
95th percentile per-packet one-way delay: 31.578 ms  
Loss rate: 0.15%

Run 1: Report of Sprout — Data Link

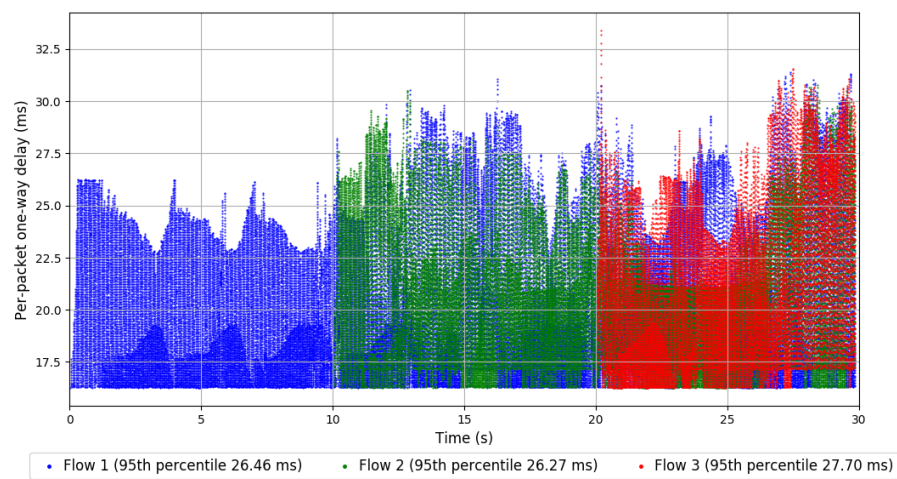
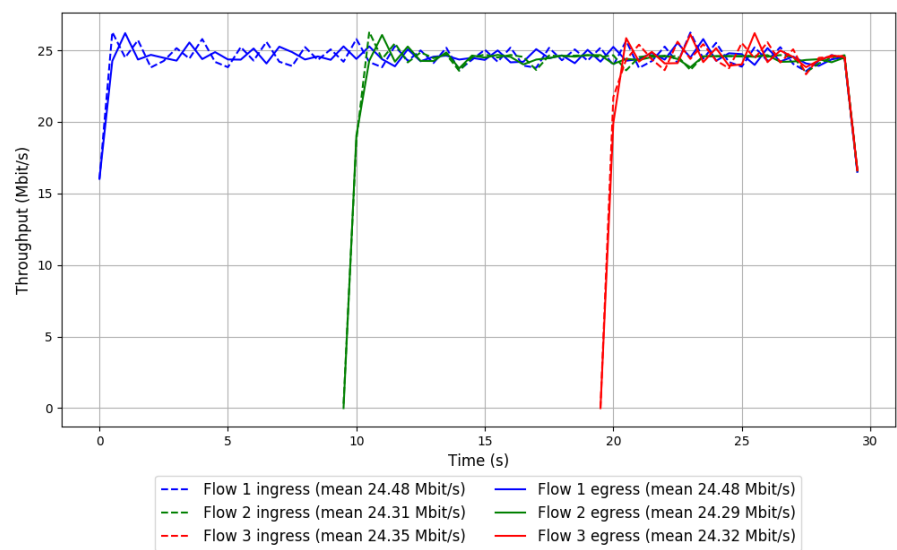


Run 2: Statistics of Sprout

Start at: 2017-09-21 23:40:56  
End at: 2017-09-21 23:41:26  
Local clock offset: -1.541 ms  
Remote clock offset: -3.402 ms

# Below is generated by plot.py at 2017-09-22 06:14:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.71 Mbit/s  
95th percentile per-packet one-way delay: 26.649 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 24.48 Mbit/s  
95th percentile per-packet one-way delay: 26.461 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 24.29 Mbit/s  
95th percentile per-packet one-way delay: 26.274 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 24.32 Mbit/s  
95th percentile per-packet one-way delay: 27.703 ms  
Loss rate: 0.20%

Run 2: Report of Sprout — Data Link



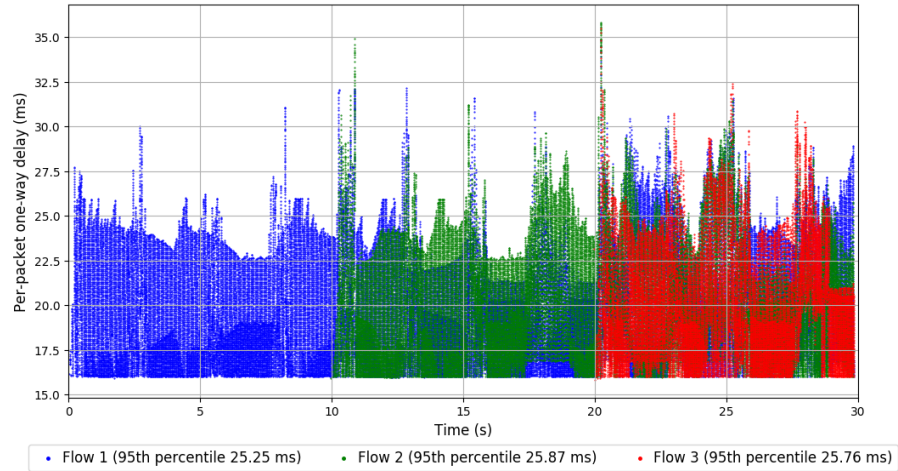
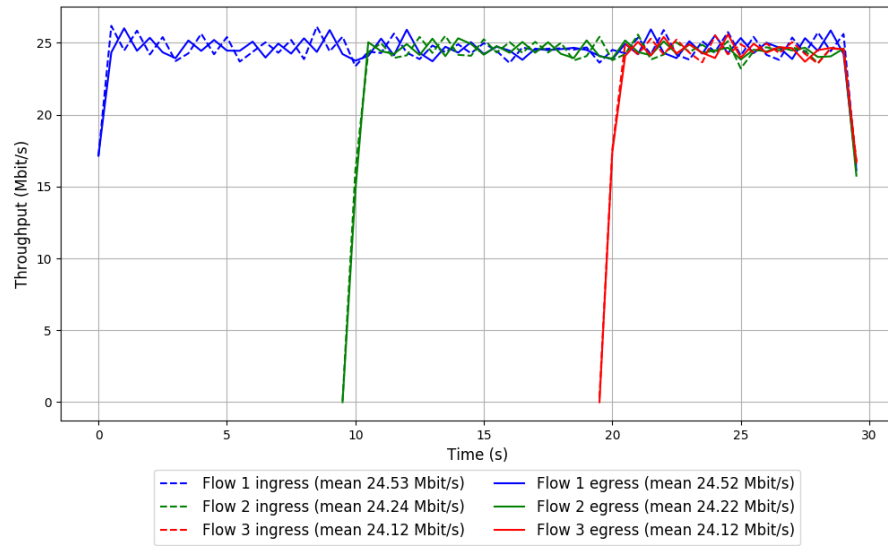
### Run 3: Statistics of Sprout

Start at: 2017-09-21 23:59:33  
End at: 2017-09-22 00:00:03  
Local clock offset: -2.509 ms  
Remote clock offset: -3.908 ms

```
# Below is generated by plot.py at 2017-09-22 06:14:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 25.543 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 25.247 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 25.874 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 25.763 ms
Loss rate: 0.21%
```



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

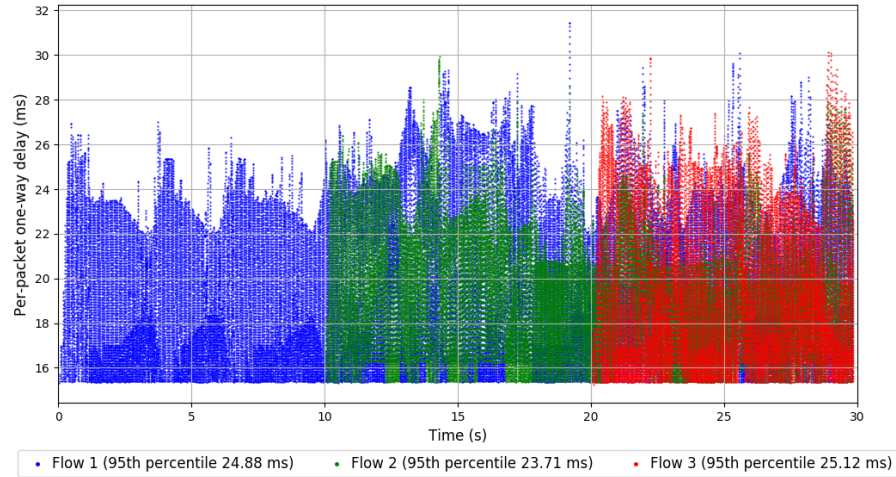
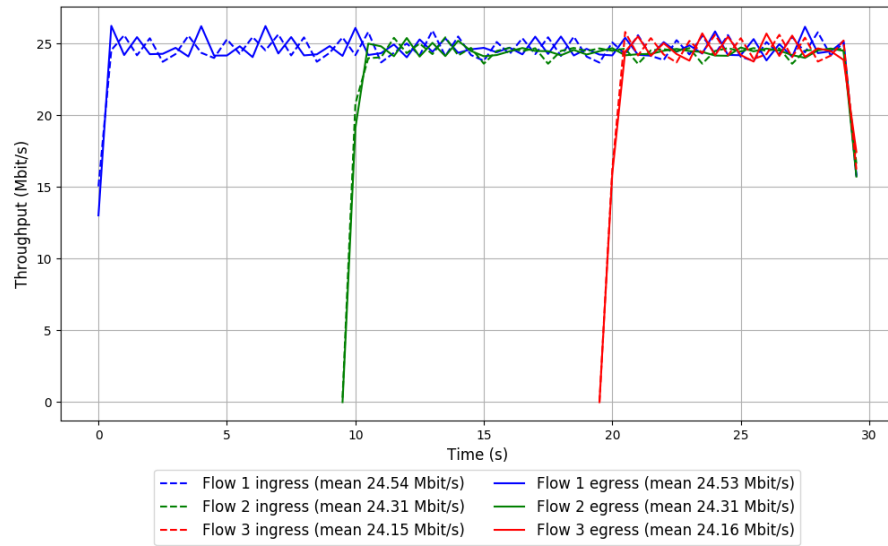


#### Run 4: Statistics of Sprout

Start at: 2017-09-22 00:18:06  
End at: 2017-09-22 00:18:36  
Local clock offset: -2.606 ms  
Remote clock offset: -3.224 ms

```
# Below is generated by plot.py at 2017-09-22 06:15:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 24.602 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 24.878 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 23.707 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 25.119 ms
Loss rate: 0.10%
```

#### Run 4: Report of Sprout — Data Link

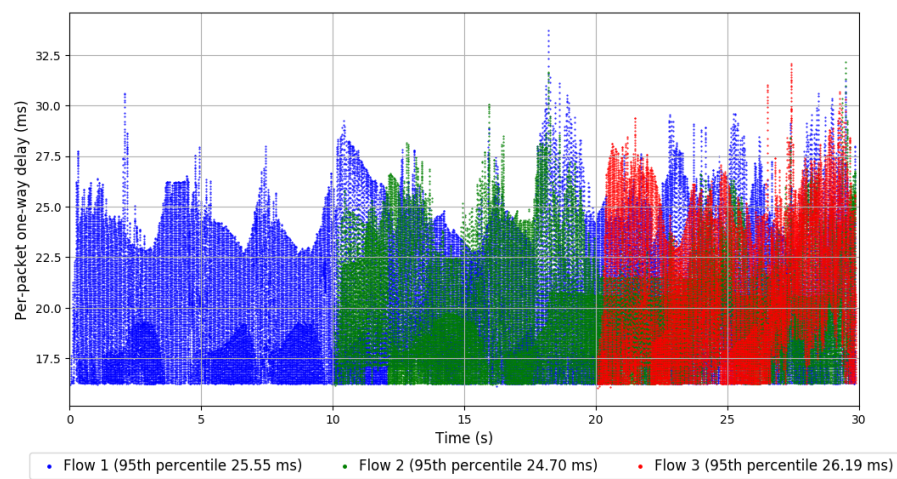
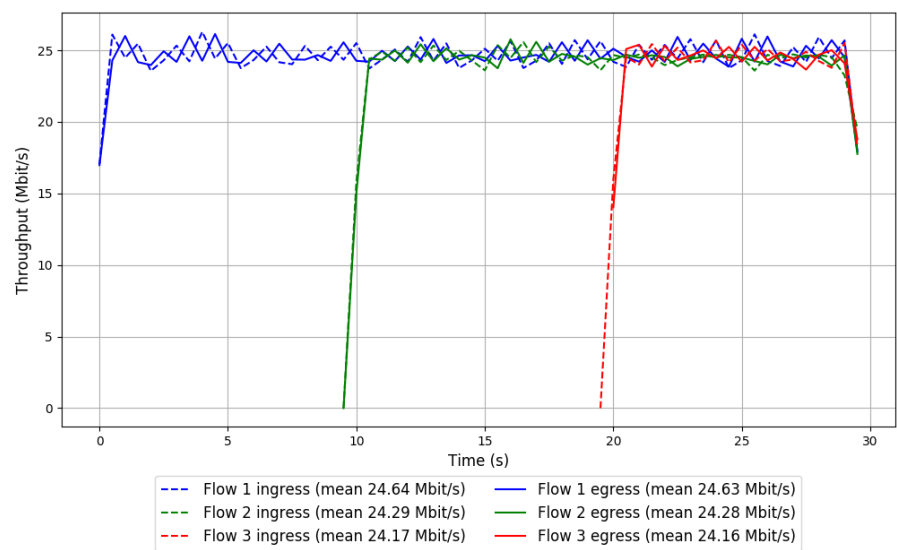


Run 5: Statistics of Sprout

Start at: 2017-09-22 00:36:53  
End at: 2017-09-22 00:37:23  
Local clock offset: -2.235 ms  
Remote clock offset: -3.699 ms

```
# Below is generated by plot.py at 2017-09-22 06:15:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 25.479 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 25.551 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 24.698 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 26.194 ms
Loss rate: 0.25%
```

Run 5: Report of Sprout — Data Link

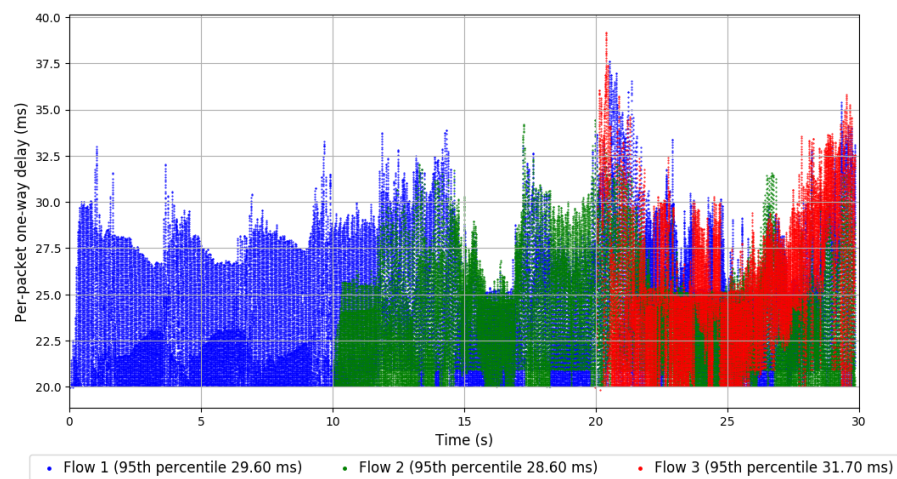
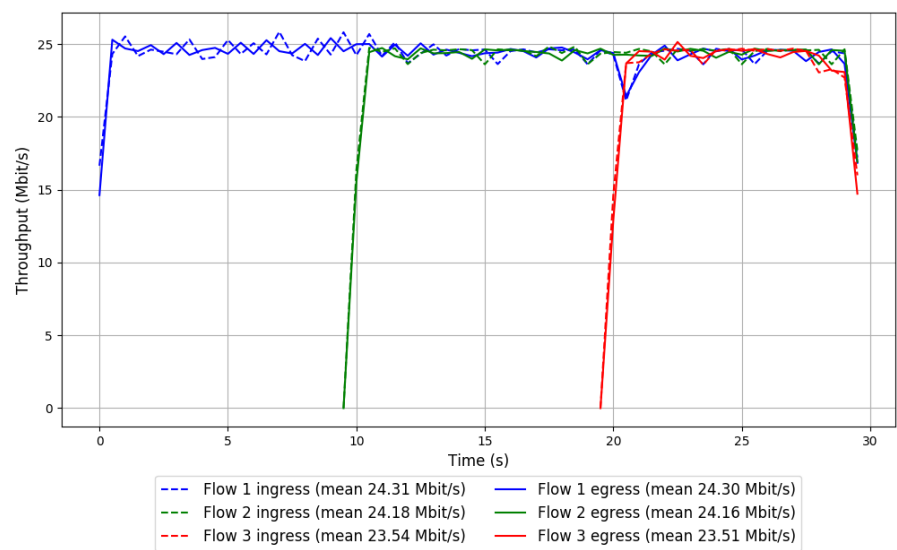


Run 6: Statistics of Sprout

Start at: 2017-09-22 00:55:40  
End at: 2017-09-22 00:56:10  
Local clock offset: 0.658 ms  
Remote clock offset: -2.419 ms

# Below is generated by plot.py at 2017-09-22 06:15:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.17 Mbit/s  
95th percentile per-packet one-way delay: 29.686 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 24.30 Mbit/s  
95th percentile per-packet one-way delay: 29.603 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 24.16 Mbit/s  
95th percentile per-packet one-way delay: 28.601 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 23.51 Mbit/s  
95th percentile per-packet one-way delay: 31.702 ms  
Loss rate: 0.39%

Run 6: Report of Sprout — Data Link



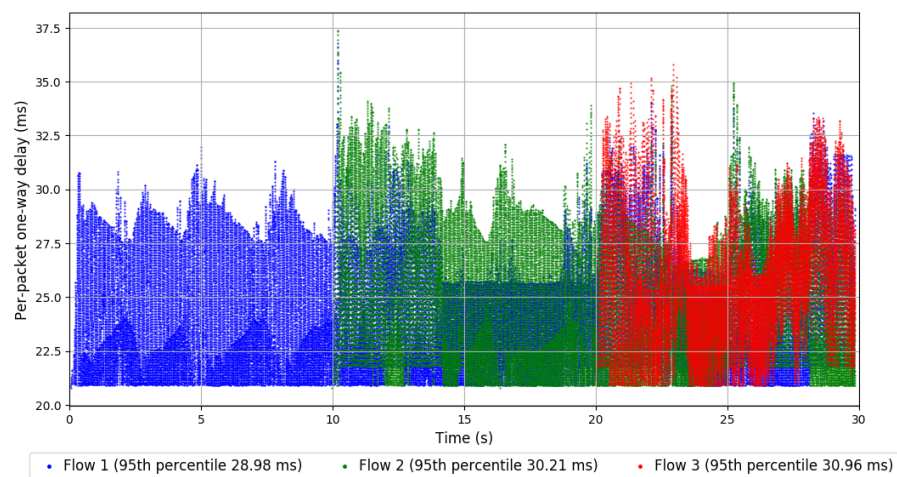
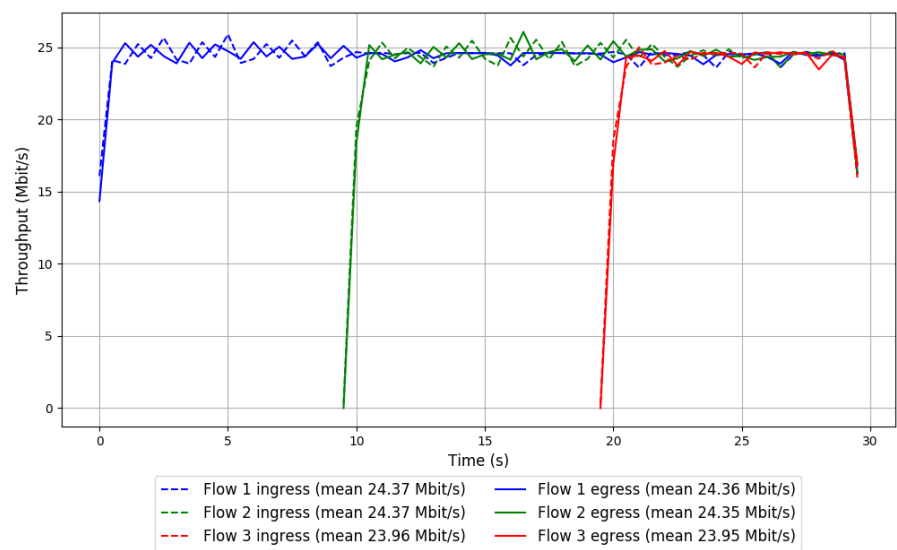
Run 7: Statistics of Sprout

Start at: 2017-09-22 01:14:33  
End at: 2017-09-22 01:15:03  
Local clock offset: 1.489 ms  
Remote clock offset: -2.494 ms

# Below is generated by plot.py at 2017-09-22 06:15:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.51 Mbit/s  
95th percentile per-packet one-way delay: 29.831 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 24.36 Mbit/s  
95th percentile per-packet one-way delay: 28.976 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 24.35 Mbit/s  
95th percentile per-packet one-way delay: 30.213 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 23.95 Mbit/s  
95th percentile per-packet one-way delay: 30.964 ms  
Loss rate: 0.19%



Run 7: Report of Sprout — Data Link

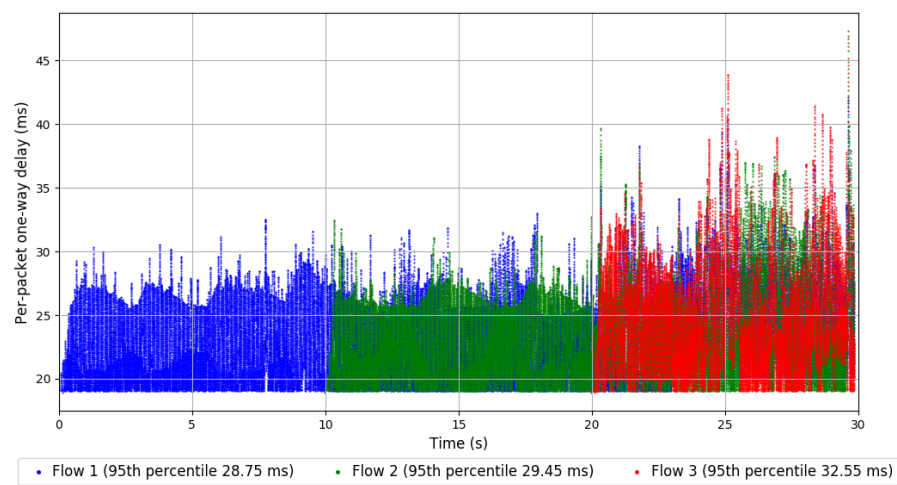
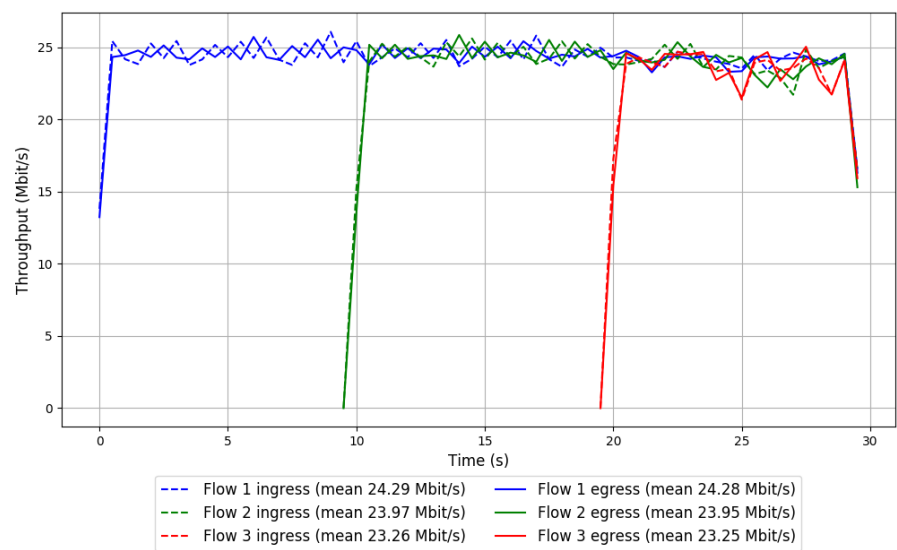


Run 8: Statistics of Sprout

Start at: 2017-09-22 01:50:05  
End at: 2017-09-22 01:50:35  
Local clock offset: 0.62 ms  
Remote clock offset: -2.053 ms

# Below is generated by plot.py at 2017-09-22 06:15:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.92 Mbit/s  
95th percentile per-packet one-way delay: 29.716 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 24.28 Mbit/s  
95th percentile per-packet one-way delay: 28.753 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 23.95 Mbit/s  
95th percentile per-packet one-way delay: 29.445 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 23.25 Mbit/s  
95th percentile per-packet one-way delay: 32.547 ms  
Loss rate: 0.43%

Run 8: Report of Sprout — Data Link

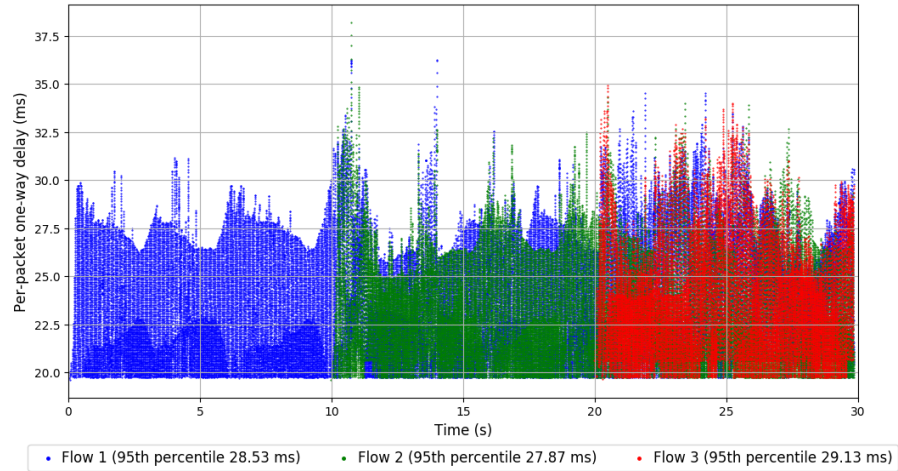
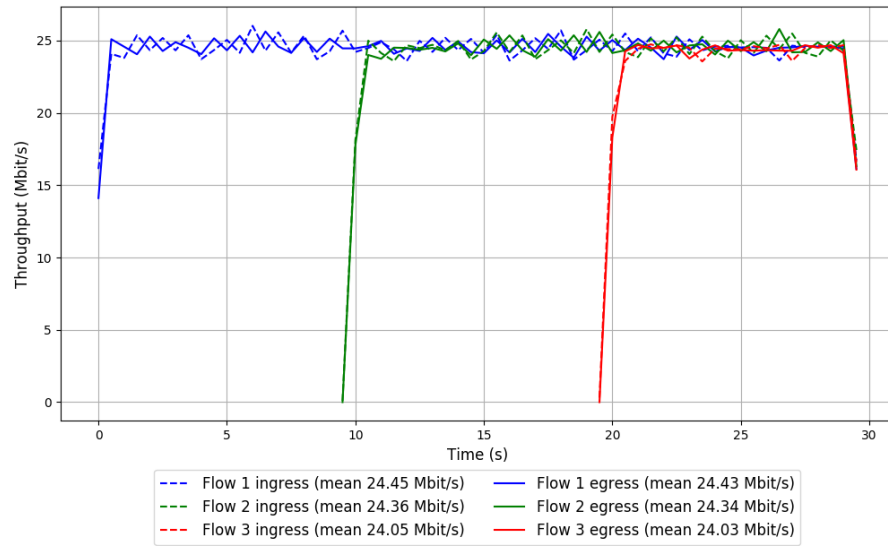


Run 9: Statistics of Sprout

Start at: 2017-09-22 02:15:11  
End at: 2017-09-22 02:15:41  
Local clock offset: 1.306 ms  
Remote clock offset: -2.065 ms

# Below is generated by plot.py at 2017-09-22 06:15:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.59 Mbit/s  
95th percentile per-packet one-way delay: 28.458 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 24.43 Mbit/s  
95th percentile per-packet one-way delay: 28.532 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 27.866 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 24.03 Mbit/s  
95th percentile per-packet one-way delay: 29.129 ms  
Loss rate: 0.41%

## Run 9: Report of Sprout — Data Link

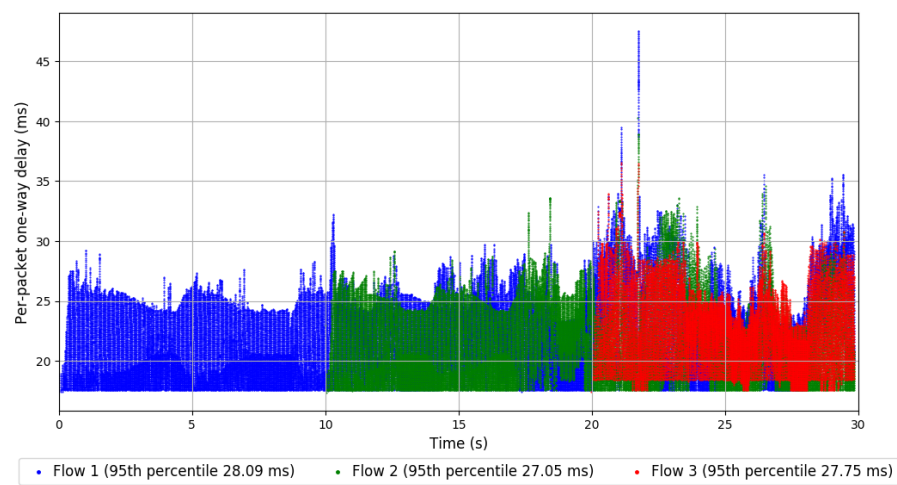
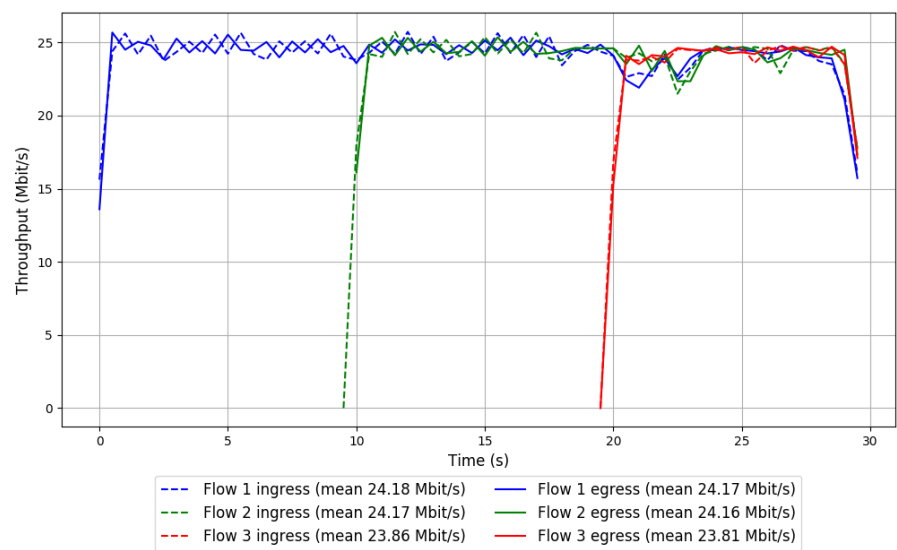


Run 10: Statistics of Sprout

Start at: 2017-09-22 02:34:15  
End at: 2017-09-22 02:34:45  
Local clock offset: -0.882 ms  
Remote clock offset: -2.011 ms

# Below is generated by plot.py at 2017-09-22 06:15:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.12 Mbit/s  
95th percentile per-packet one-way delay: 27.722 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.17 Mbit/s  
95th percentile per-packet one-way delay: 28.091 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 24.16 Mbit/s  
95th percentile per-packet one-way delay: 27.047 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 23.81 Mbit/s  
95th percentile per-packet one-way delay: 27.748 ms  
Loss rate: 0.31%

Run 10: Report of Sprout — Data Link



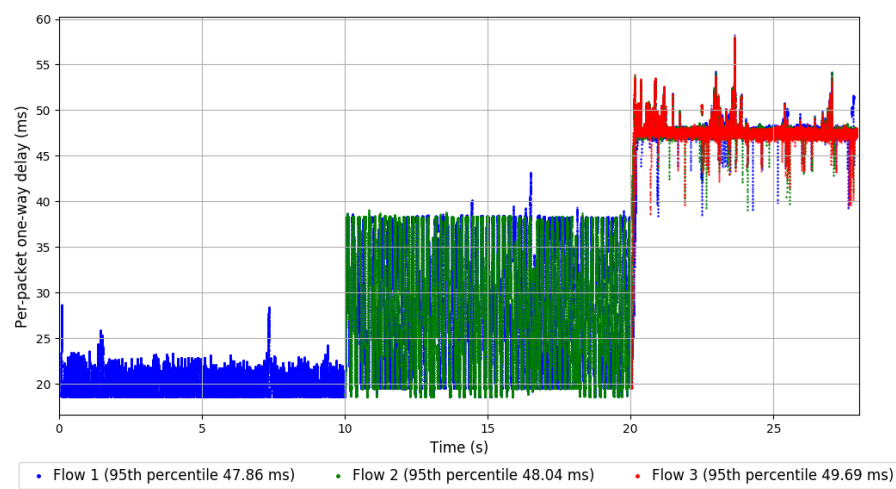
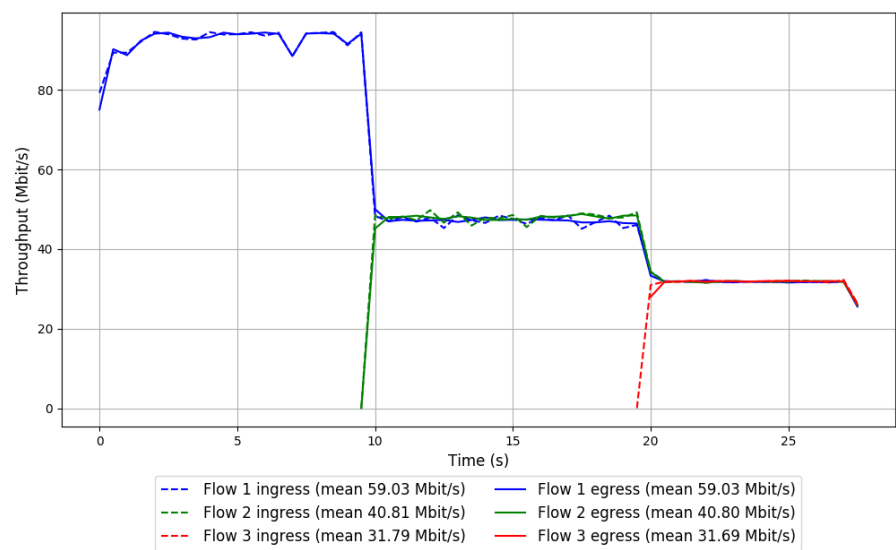
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 23:26:06
End at: 2017-09-21 23:26:36
Local clock offset: 0.565 ms
Remote clock offset: -3.733 ms

# Below is generated by plot.py at 2017-09-22 06:17:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 47.986 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 47.857 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 48.041 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 49.688 ms
Loss rate: 0.67%
```



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

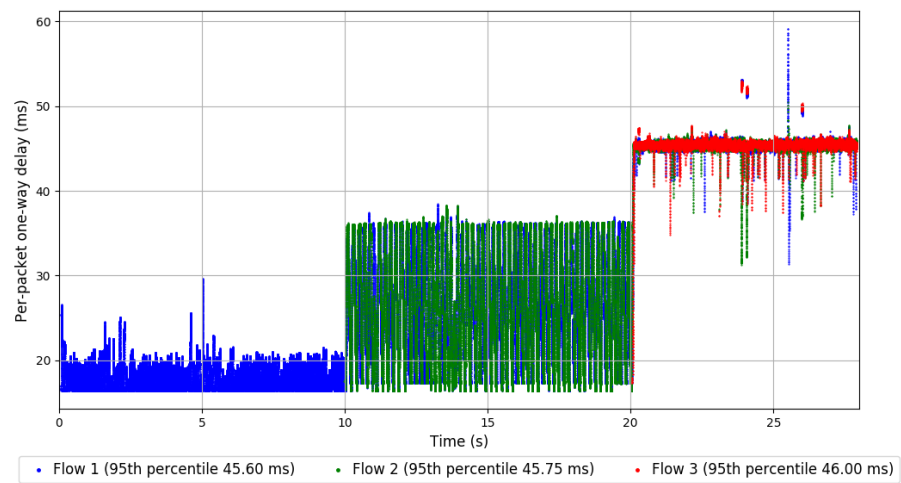
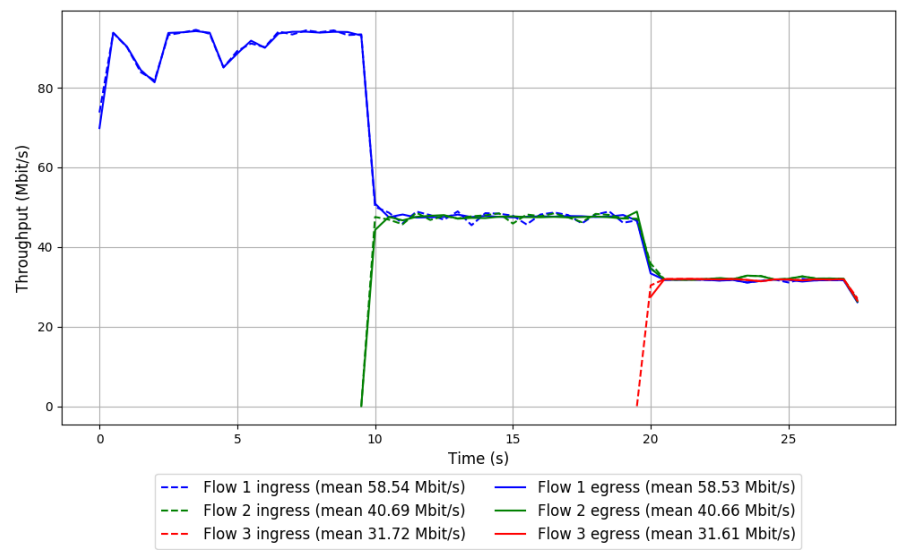


Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 23:43:20  
End at: 2017-09-21 23:43:50  
Local clock offset: -1.451 ms  
Remote clock offset: -3.476 ms

# Below is generated by plot.py at 2017-09-22 06:17:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.61 Mbit/s  
95th percentile per-packet one-way delay: 45.744 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.53 Mbit/s  
95th percentile per-packet one-way delay: 45.599 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.66 Mbit/s  
95th percentile per-packet one-way delay: 45.754 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 31.61 Mbit/s  
95th percentile per-packet one-way delay: 46.001 ms  
Loss rate: 0.70%

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

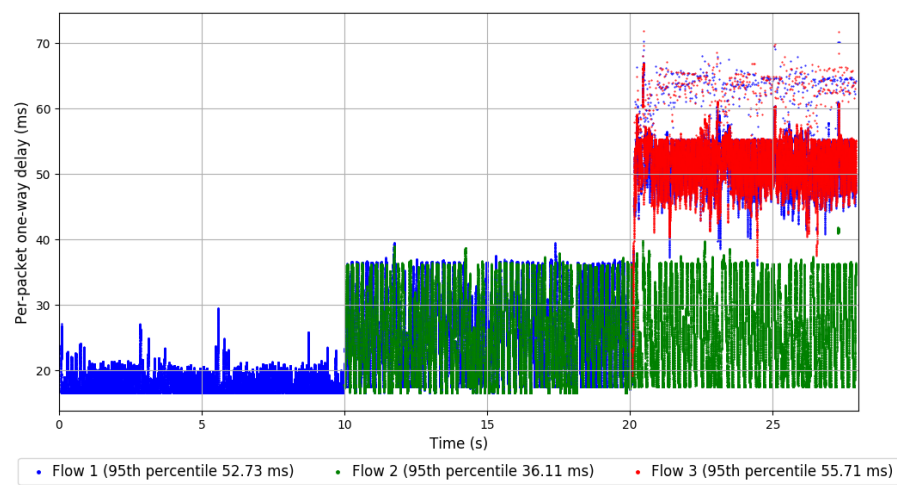
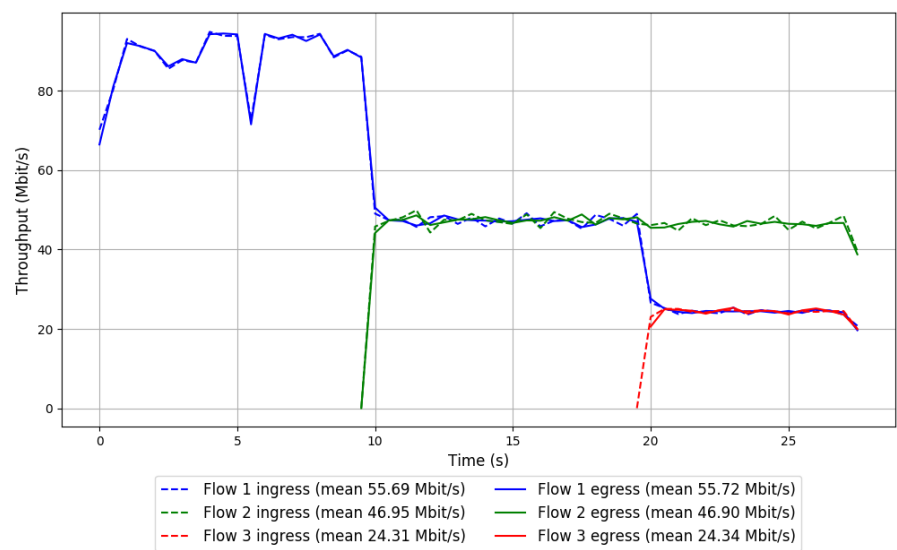


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-22 00:02:15  
End at: 2017-09-22 00:02:45  
Local clock offset: -1.541 ms  
Remote clock offset: -3.478 ms

# Below is generated by plot.py at 2017-09-22 06:17:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.73 Mbit/s  
95th percentile per-packet one-way delay: 53.309 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 55.72 Mbit/s  
95th percentile per-packet one-way delay: 52.729 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 46.90 Mbit/s  
95th percentile per-packet one-way delay: 36.108 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 55.708 ms  
Loss rate: 0.71%

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

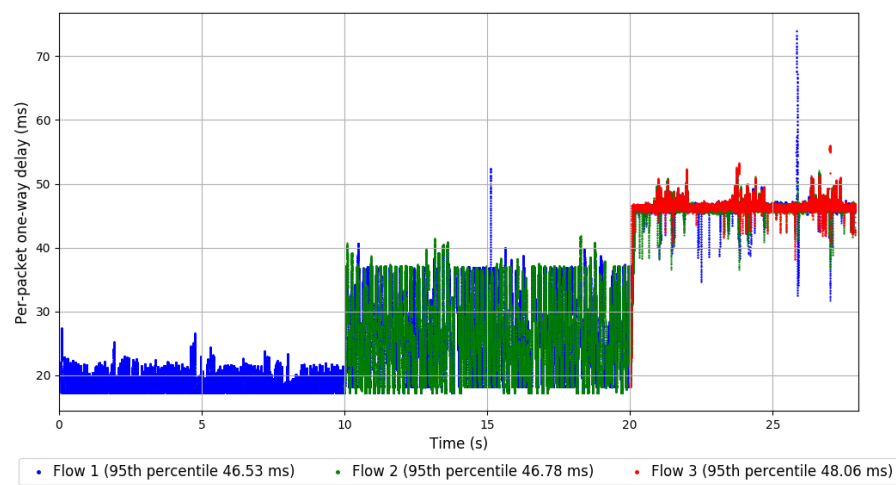
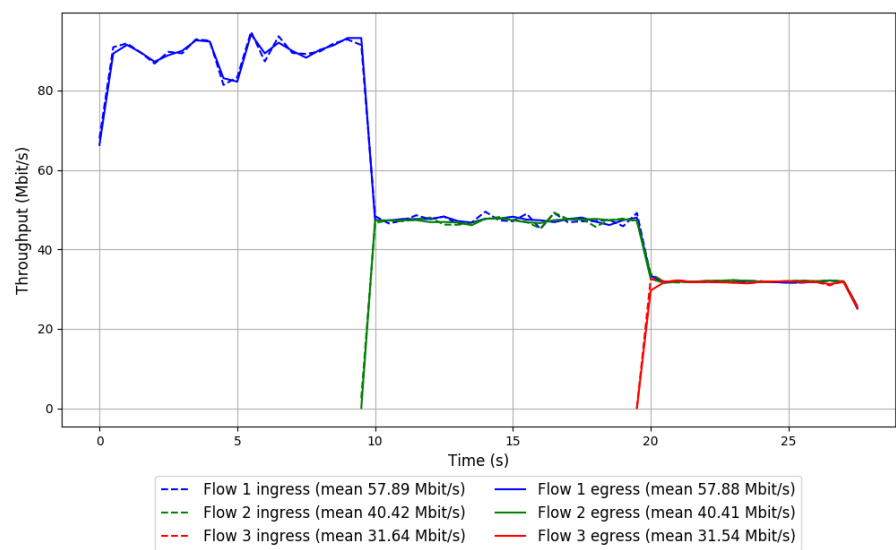


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-22 00:20:43  
End at: 2017-09-22 00:21:13  
Local clock offset: -0.337 ms  
Remote clock offset: -2.884 ms

# Below is generated by plot.py at 2017-09-22 06:17:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.83 Mbit/s  
95th percentile per-packet one-way delay: 46.729 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 57.88 Mbit/s  
95th percentile per-packet one-way delay: 46.533 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.41 Mbit/s  
95th percentile per-packet one-way delay: 46.779 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.54 Mbit/s  
95th percentile per-packet one-way delay: 48.061 ms  
Loss rate: 0.67%

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



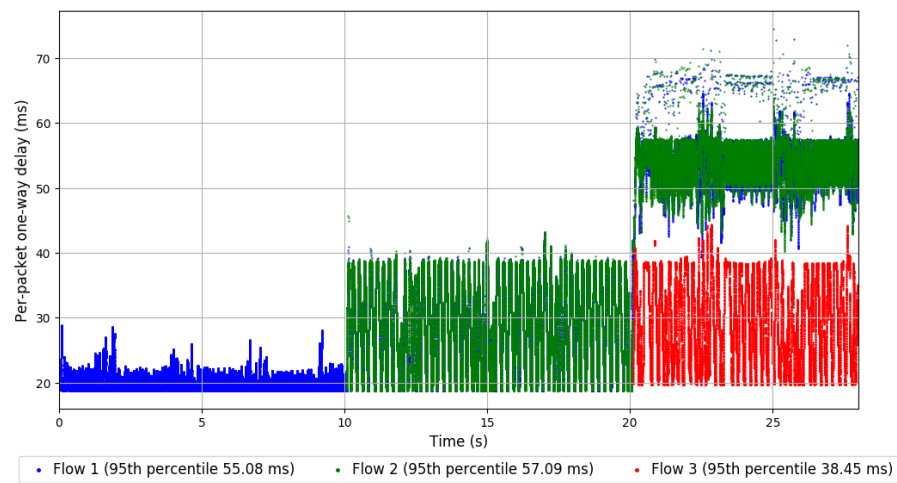
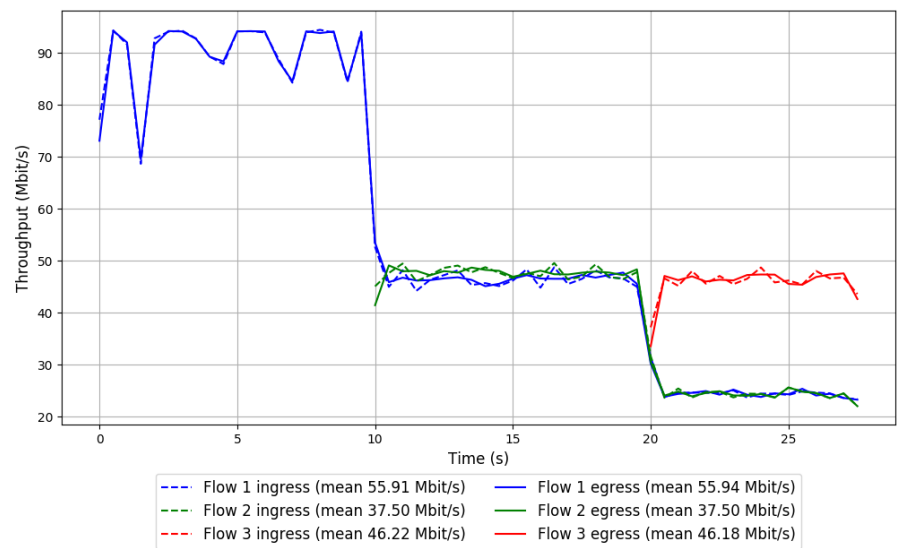
Run 5: Statistics of TaoVA-100x

Start at: 2017-09-22 00:39:30  
End at: 2017-09-22 00:40:01  
Local clock offset: 0.199 ms  
Remote clock offset: -3.742 ms

# Below is generated by plot.py at 2017-09-22 06:17:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 55.761 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 55.94 Mbit/s  
95th percentile per-packet one-way delay: 55.084 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 37.50 Mbit/s  
95th percentile per-packet one-way delay: 57.086 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 46.18 Mbit/s  
95th percentile per-packet one-way delay: 38.446 ms  
Loss rate: 0.42%



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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-22 00:58:08

End at: 2017-09-22 00:58:38

Local clock offset: 1.129 ms

Remote clock offset: -2.42 ms

# Below is generated by plot.py at 2017-09-22 06:17:38

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.62 Mbit/s

95th percentile per-packet one-way delay: 57.088 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 40.177 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 58.469 ms

Loss rate: 0.25%

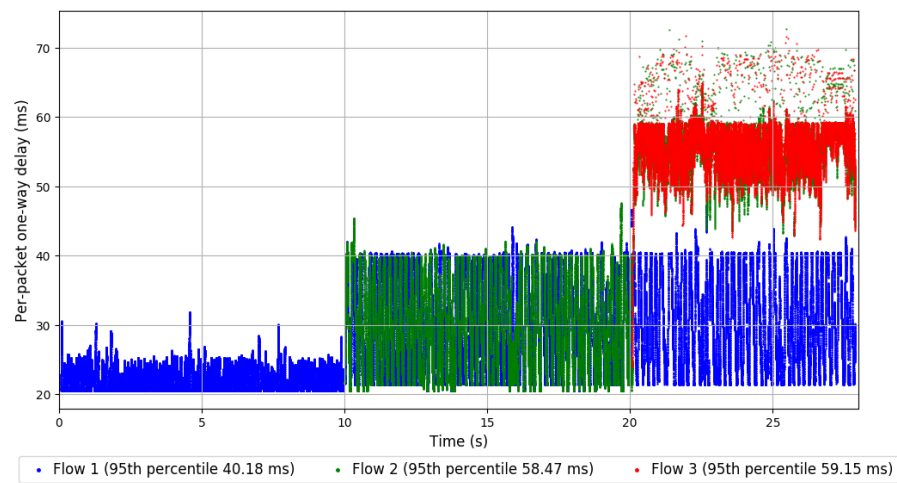
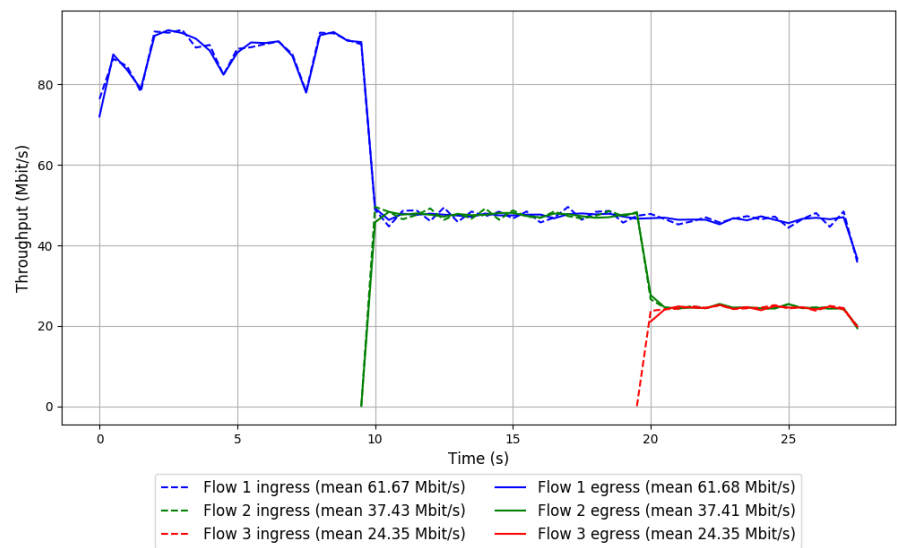
-- Flow 3:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 59.146 ms

Loss rate: 0.71%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-22 01:17:16

End at: 2017-09-22 01:17:46

Local clock offset: -1.788 ms

Remote clock offset: -1.95 ms

# Below is generated by plot.py at 2017-09-22 06:17:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 54.018 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 55.41 Mbit/s

95th percentile per-packet one-way delay: 53.355 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 46.60 Mbit/s

95th percentile per-packet one-way delay: 36.512 ms

Loss rate: 0.32%

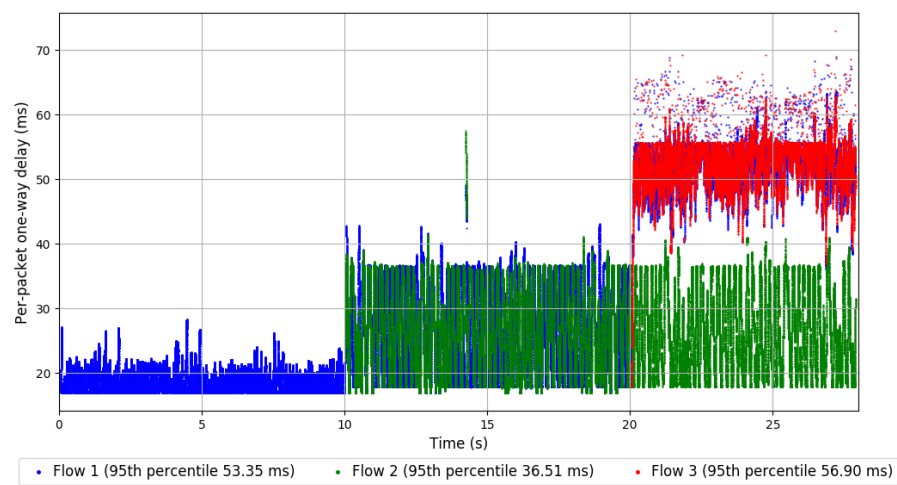
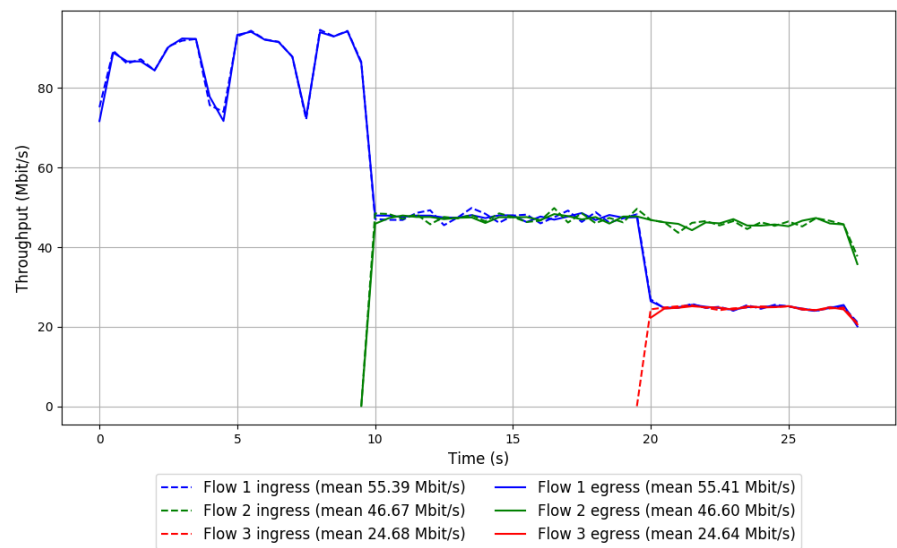
-- Flow 3:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 56.904 ms

Loss rate: 0.78%

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

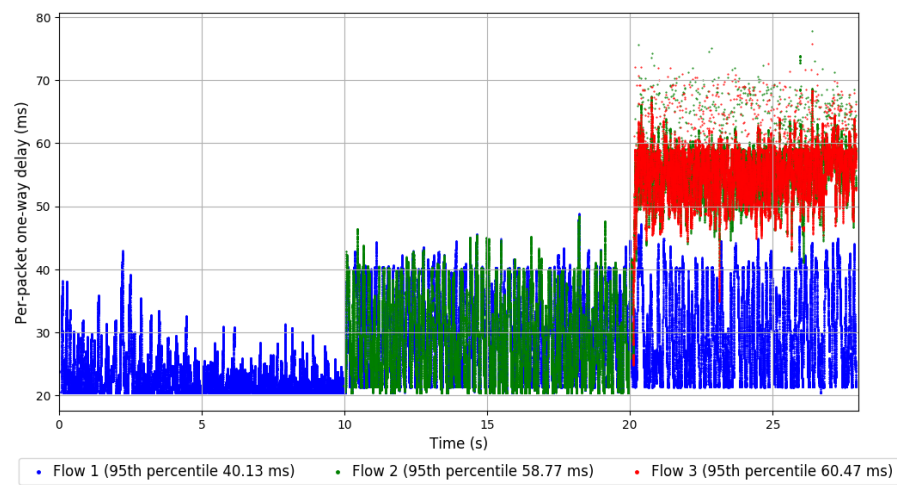
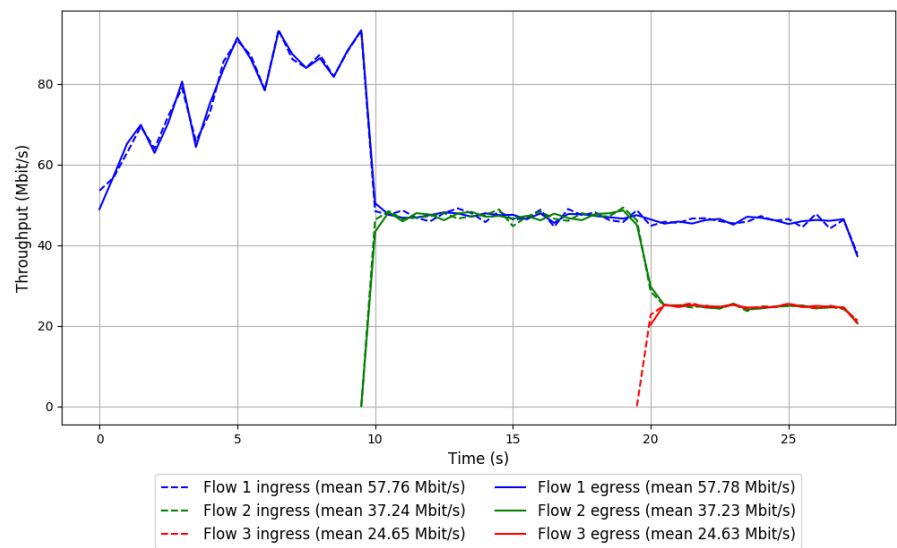


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-22 01:55:01  
End at: 2017-09-22 01:55:31  
Local clock offset: 1.865 ms  
Remote clock offset: -2.285 ms

# Below is generated by plot.py at 2017-09-22 06:17:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.67 Mbit/s  
95th percentile per-packet one-way delay: 57.502 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 57.78 Mbit/s  
95th percentile per-packet one-way delay: 40.129 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 37.23 Mbit/s  
95th percentile per-packet one-way delay: 58.765 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 24.63 Mbit/s  
95th percentile per-packet one-way delay: 60.468 ms  
Loss rate: 0.77%

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



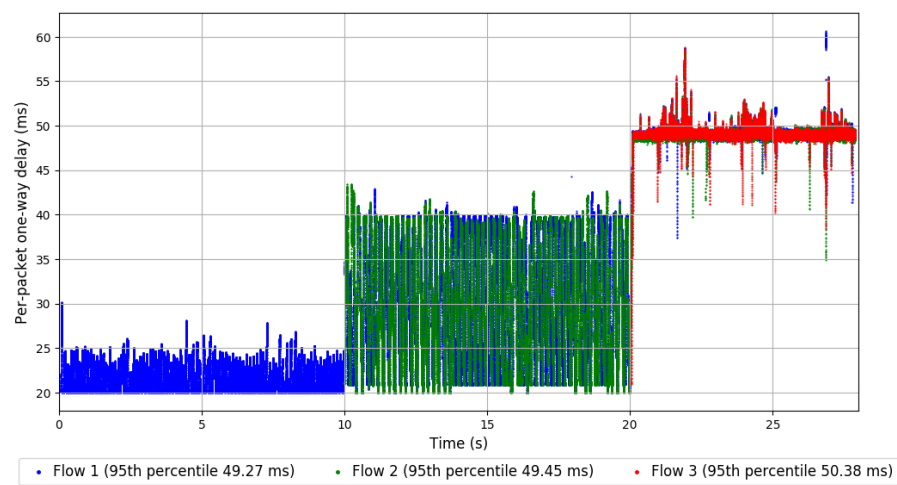
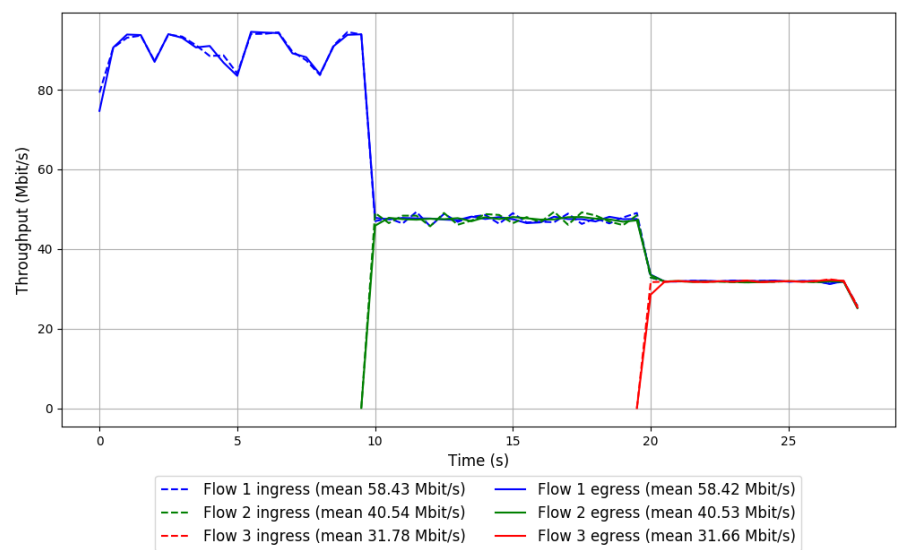
Run 9: Statistics of TaoVA-100x

Start at: 2017-09-22 02:18:02  
End at: 2017-09-22 02:18:32  
Local clock offset: -5.535 ms  
Remote clock offset: -9.152 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.46 Mbit/s  
95th percentile per-packet one-way delay: 49.430 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.42 Mbit/s  
95th percentile per-packet one-way delay: 49.268 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.53 Mbit/s  
95th percentile per-packet one-way delay: 49.453 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.66 Mbit/s  
95th percentile per-packet one-way delay: 50.383 ms  
Loss rate: 0.71%



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



Run 10: Statistics of TaoVA-100x

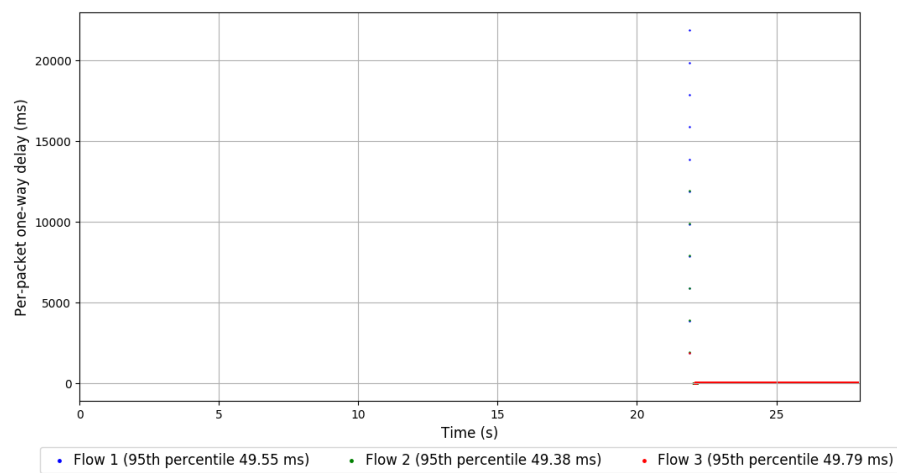
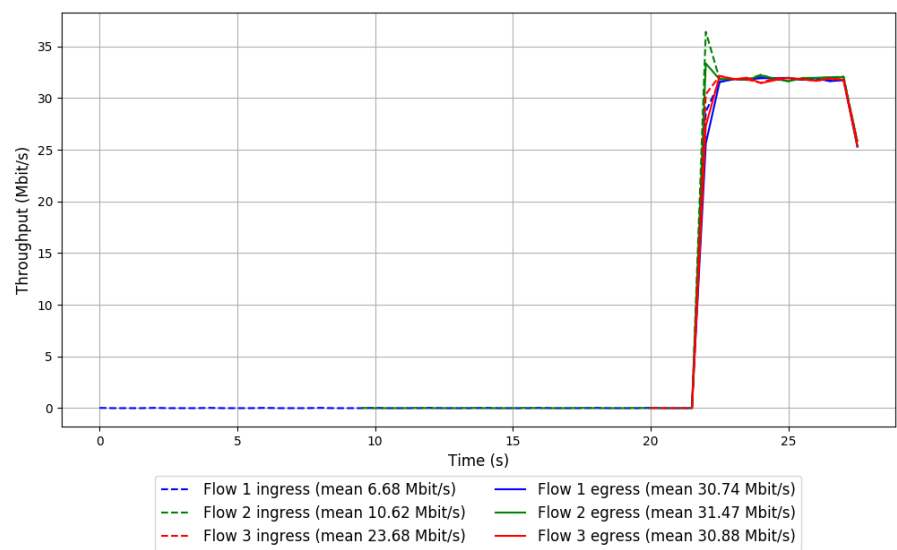
Start at: 2017-09-22 02:38:08

End at: 2017-09-22 02:38:38

Local clock offset: 1.168 ms

Remote clock offset: -1.693 ms

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



Run 1: Statistics of TCP Vegas

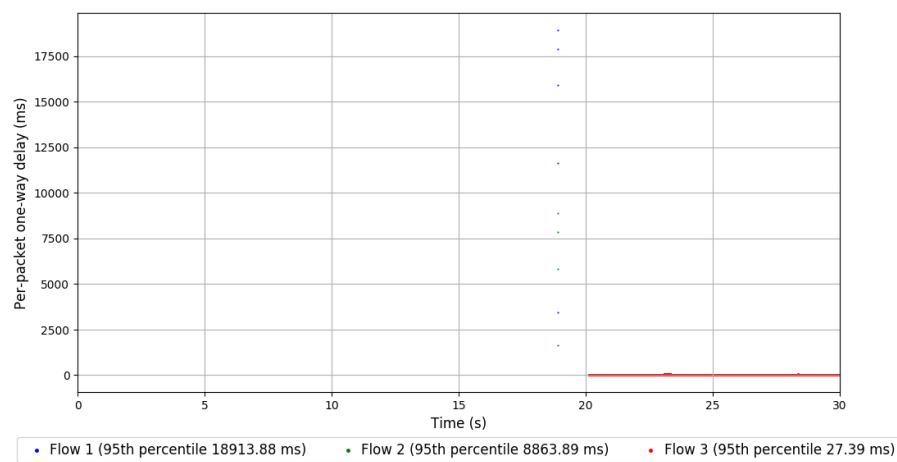
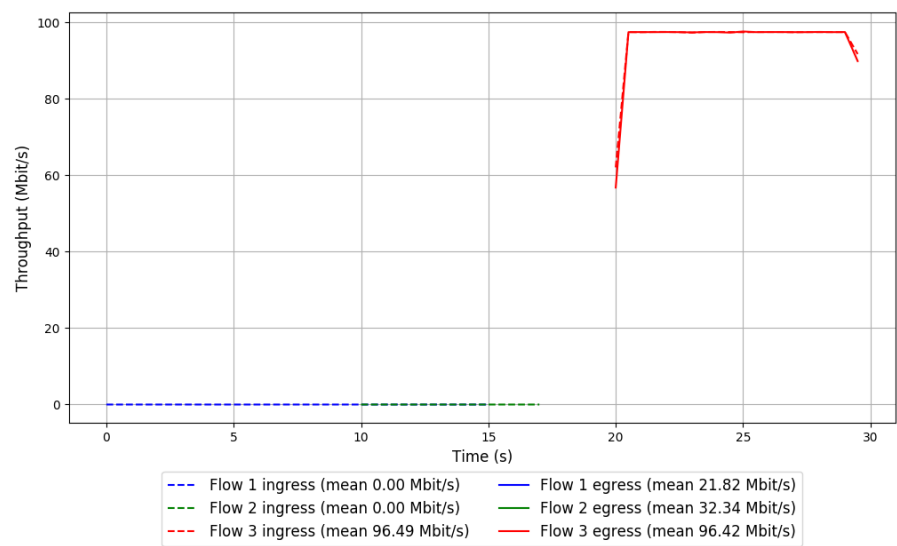
Start at: 2017-09-21 23:27:27

End at: 2017-09-21 23:27:57

Local clock offset: -1.738 ms

Remote clock offset: -2.509 ms

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

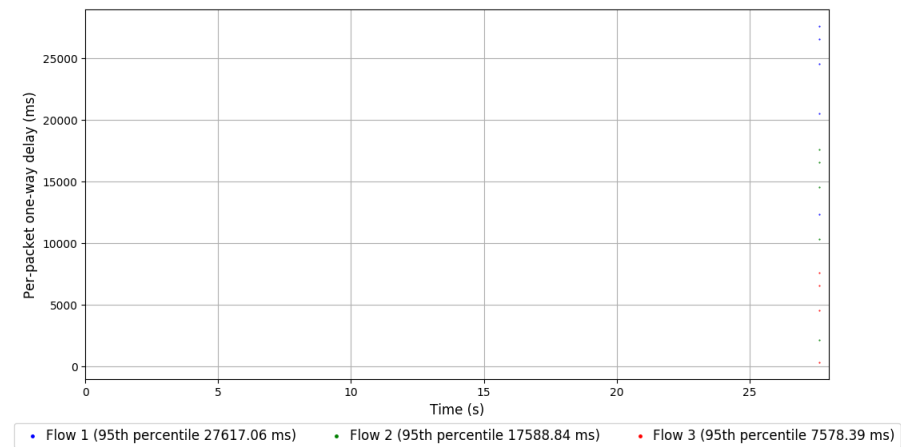
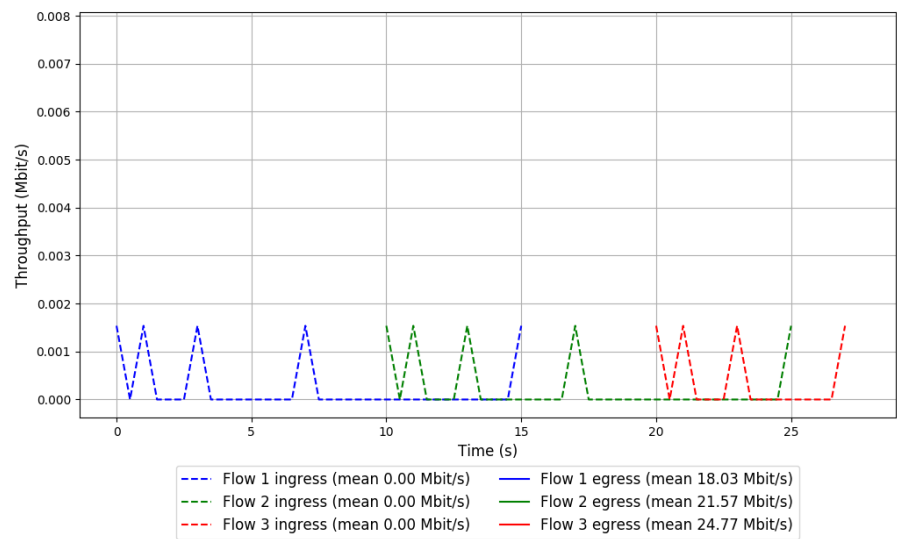
Start at: 2017-09-21 23:44:40

End at: 2017-09-21 23:45:10

Local clock offset: 0.124 ms

Remote clock offset: -3.911 ms

Run 2: Report of TCP Vegas — Data Link



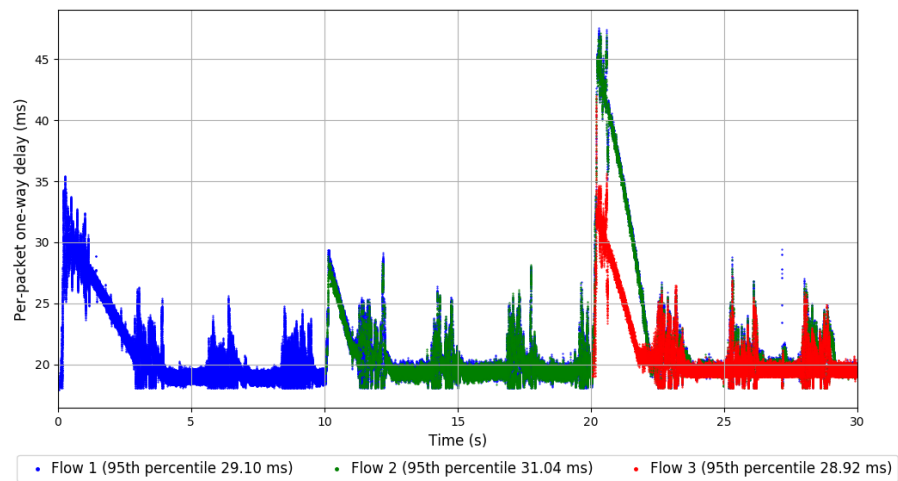
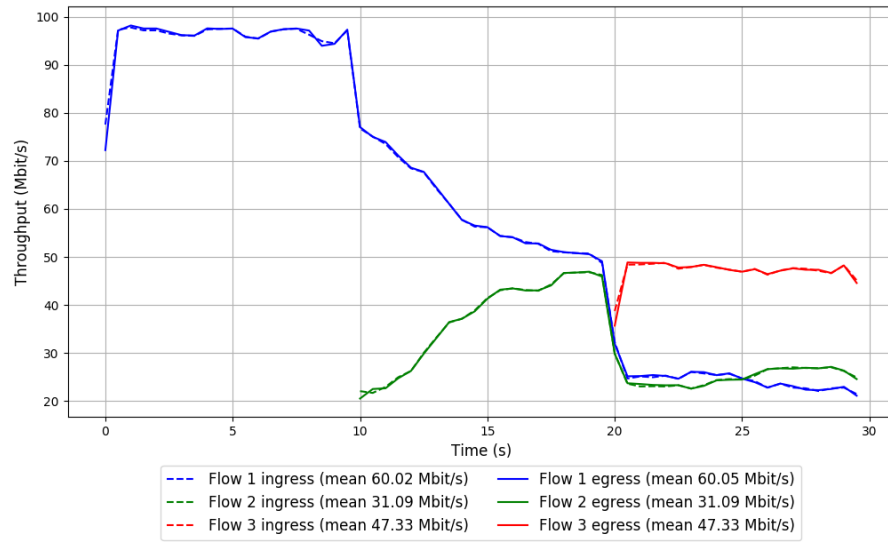
Run 3: Statistics of TCP Vegas

Start at: 2017-09-22 00:03:49  
End at: 2017-09-22 00:04:19  
Local clock offset: 0.283 ms  
Remote clock offset: -3.147 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.44 Mbit/s  
95th percentile per-packet one-way delay: 29.160 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 60.05 Mbit/s  
95th percentile per-packet one-way delay: 29.100 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 31.09 Mbit/s  
95th percentile per-packet one-way delay: 31.039 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 47.33 Mbit/s  
95th percentile per-packet one-way delay: 28.916 ms  
Loss rate: 0.26%



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

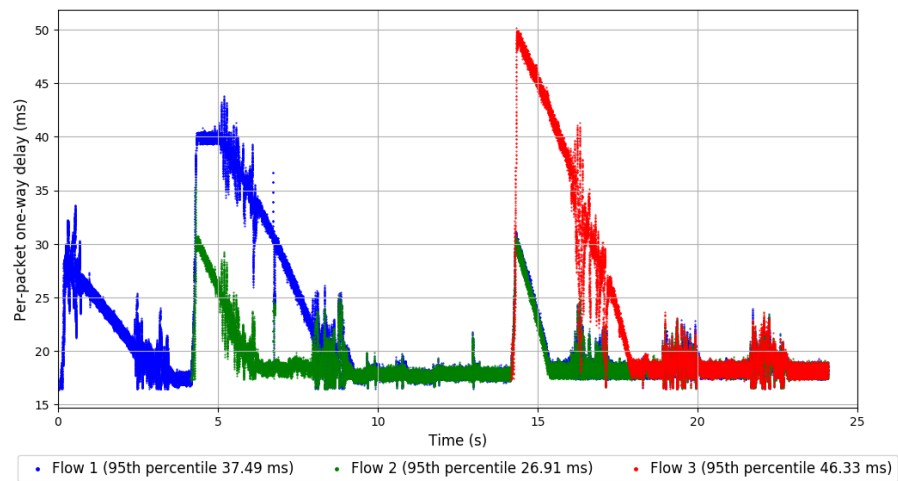
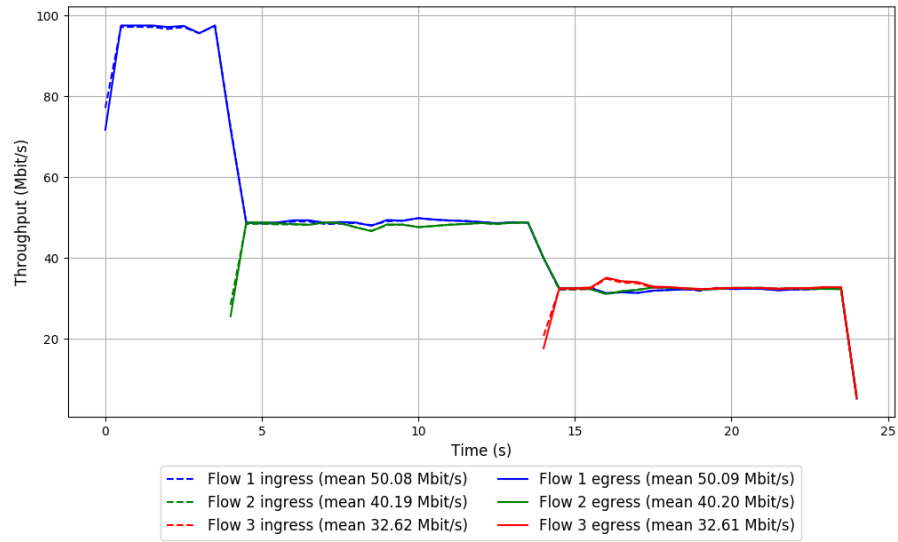


Run 4: Statistics of TCP Vegas

Start at: 2017-09-22 00:22:17  
End at: 2017-09-22 00:22:47  
Local clock offset: -2.061 ms  
Remote clock offset: -3.821 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 37.408 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 50.09 Mbit/s  
95th percentile per-packet one-way delay: 37.487 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.20 Mbit/s  
95th percentile per-packet one-way delay: 26.914 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 32.61 Mbit/s  
95th percentile per-packet one-way delay: 46.333 ms  
Loss rate: 0.26%

# Run 4: Report of TCP Vegas — Data Link

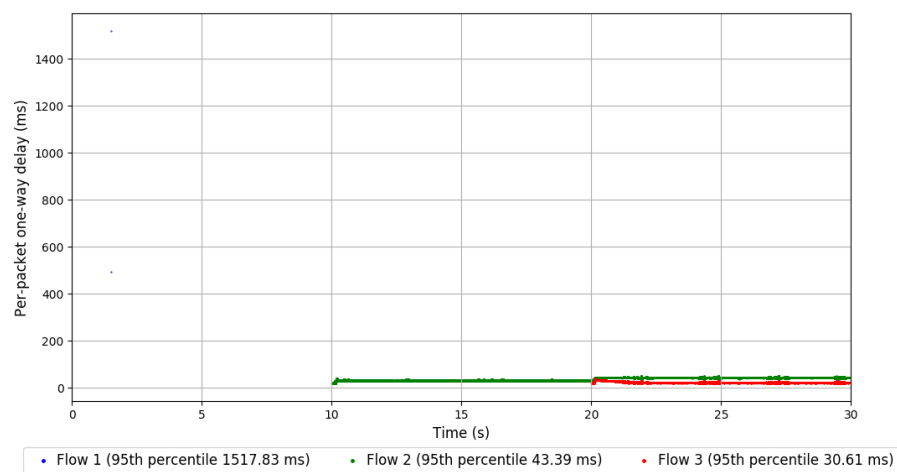
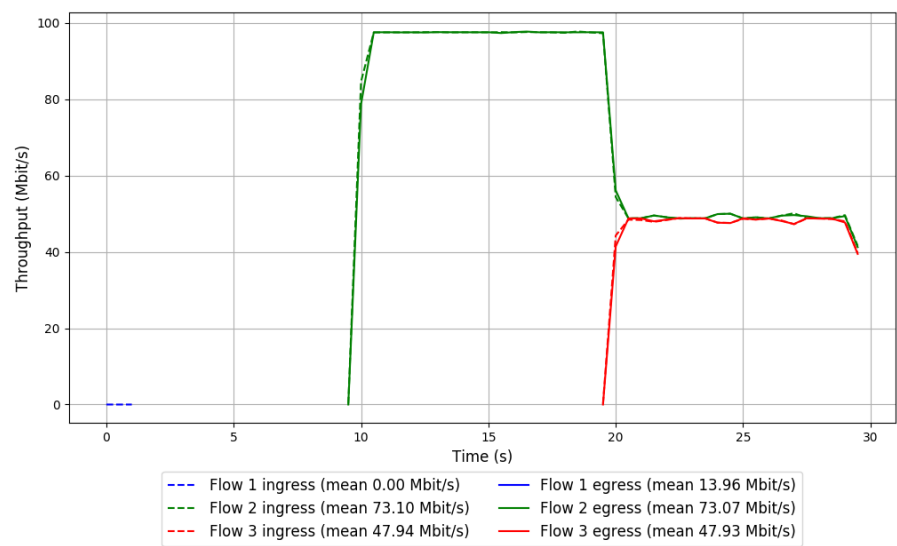


Run 5: Statistics of TCP Vegas

Start at: 2017-09-22 00:41:09  
End at: 2017-09-22 00:41:39  
Local clock offset: 0.843 ms  
Remote clock offset: -3.686 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.06 Mbit/s  
95th percentile per-packet one-way delay: 43.347 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 13.96 Mbit/s  
95th percentile per-packet one-way delay: 1517.833 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 73.07 Mbit/s  
95th percentile per-packet one-way delay: 43.390 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 47.93 Mbit/s  
95th percentile per-packet one-way delay: 30.609 ms  
Loss rate: 0.27%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

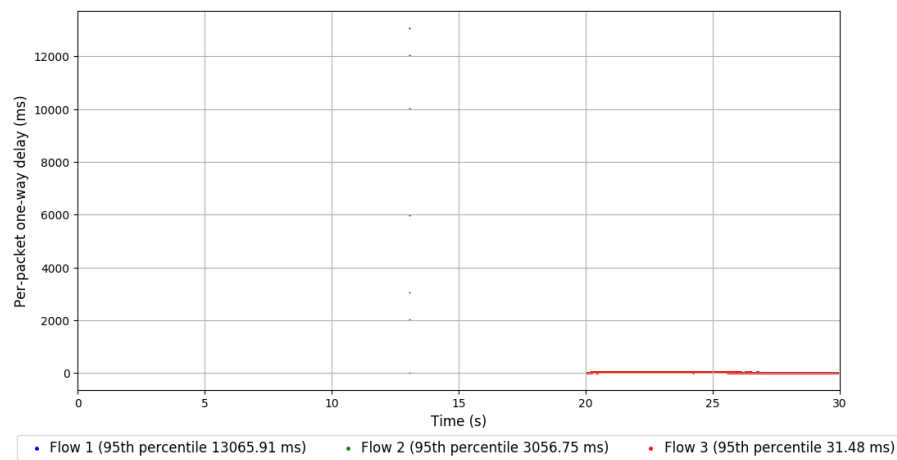
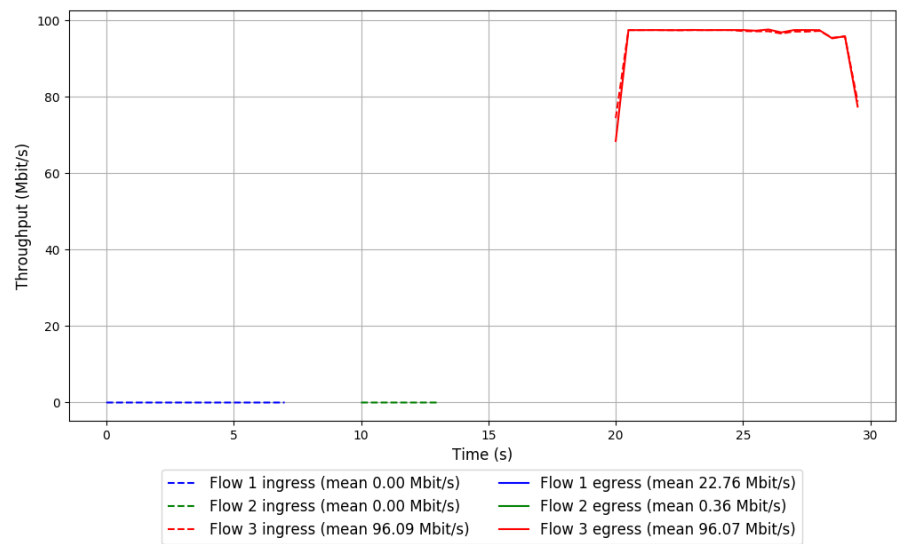
Start at: 2017-09-22 00:59:42

End at: 2017-09-22 01:00:12

Local clock offset: 0.819 ms

Remote clock offset: -1.086 ms

Run 6: Report of TCP Vegas — Data Link



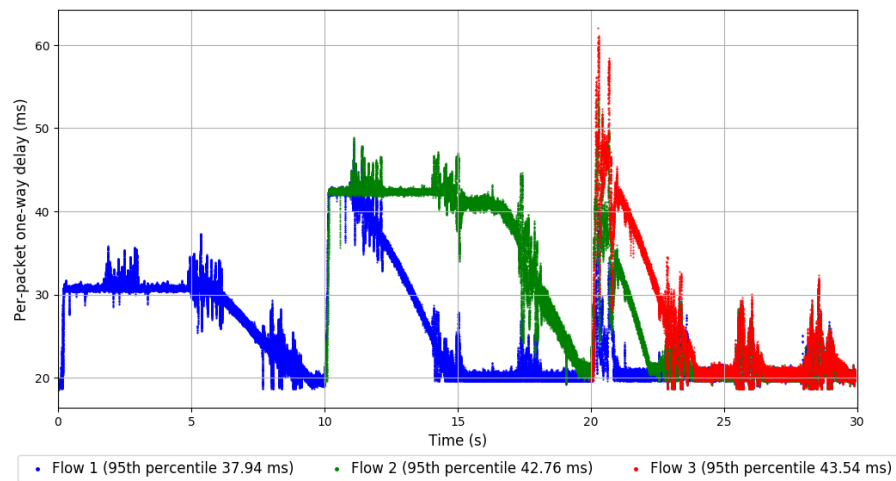
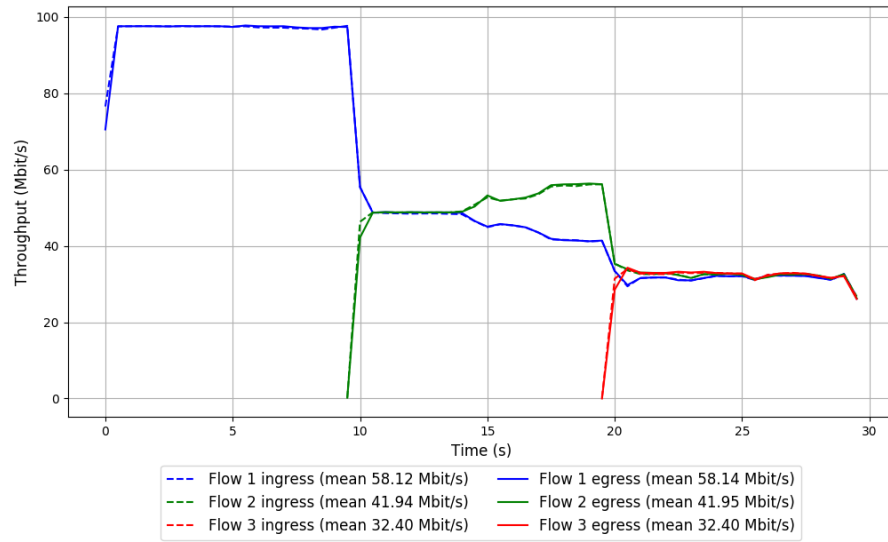
Run 7: Statistics of TCP Vegas

Start at: 2017-09-22 01:18:53  
End at: 2017-09-22 01:19:23  
Local clock offset: -0.462 ms  
Remote clock offset: -2.352 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 42.520 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 58.14 Mbit/s  
95th percentile per-packet one-way delay: 37.943 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 41.95 Mbit/s  
95th percentile per-packet one-way delay: 42.763 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 32.40 Mbit/s  
95th percentile per-packet one-way delay: 43.540 ms  
Loss rate: 0.28%



# Run 7: Report of TCP Vegas — Data Link

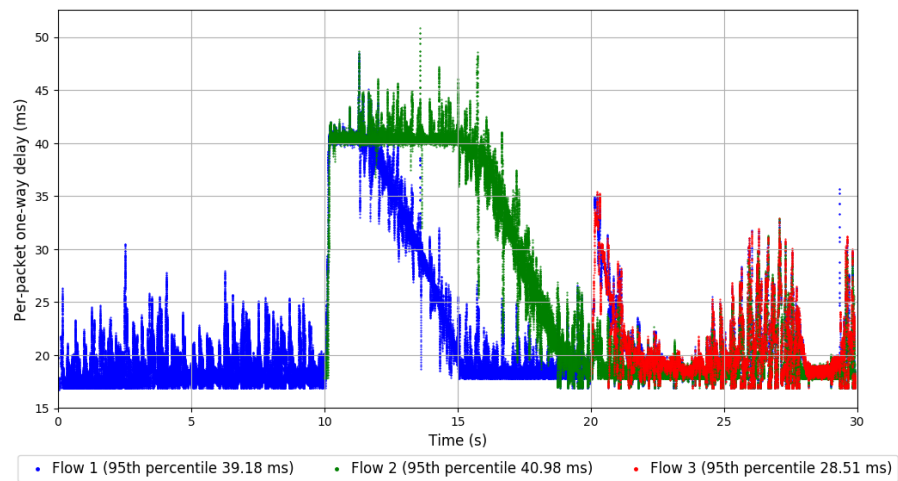
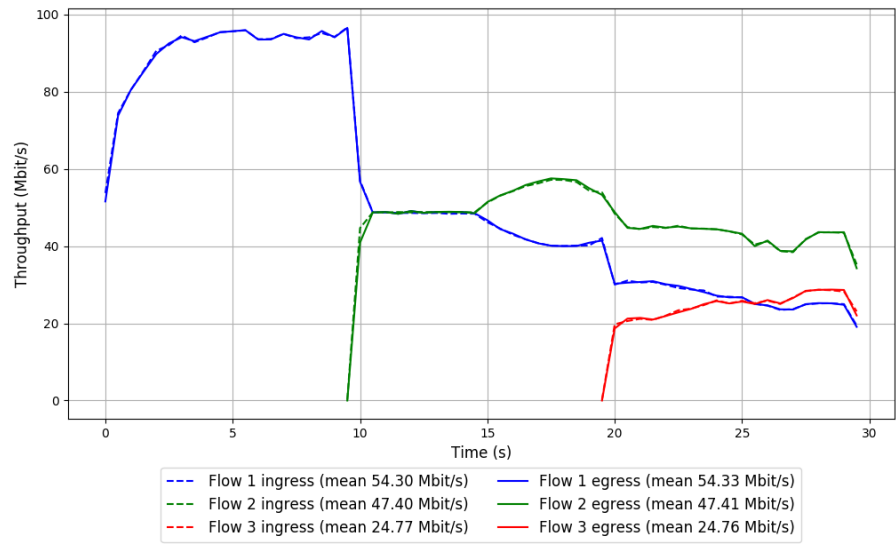


Run 8: Statistics of TCP Vegas

Start at: 2017-09-22 01:58:25  
End at: 2017-09-22 01:58:55  
Local clock offset: -1.314 ms  
Remote clock offset: -1.914 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.16 Mbit/s  
95th percentile per-packet one-way delay: 40.498 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 54.33 Mbit/s  
95th percentile per-packet one-way delay: 39.180 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 47.41 Mbit/s  
95th percentile per-packet one-way delay: 40.979 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 24.76 Mbit/s  
95th percentile per-packet one-way delay: 28.510 ms  
Loss rate: 0.33%

# Run 8: Report of TCP Vegas — Data Link

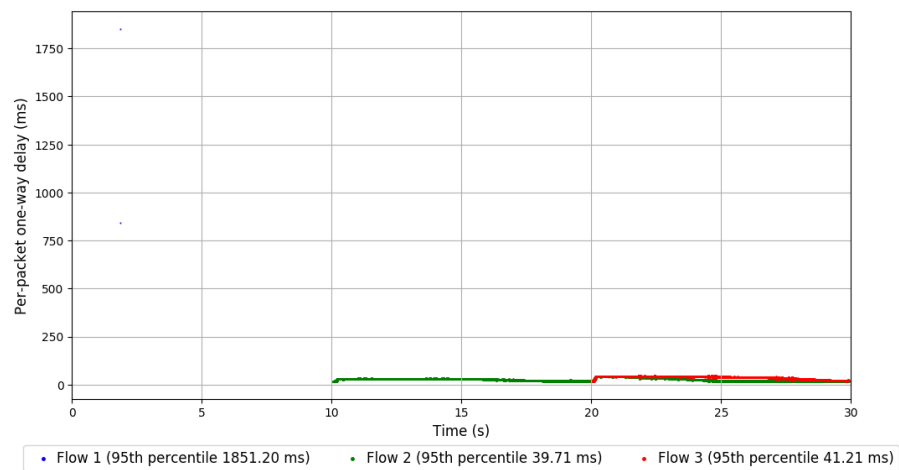
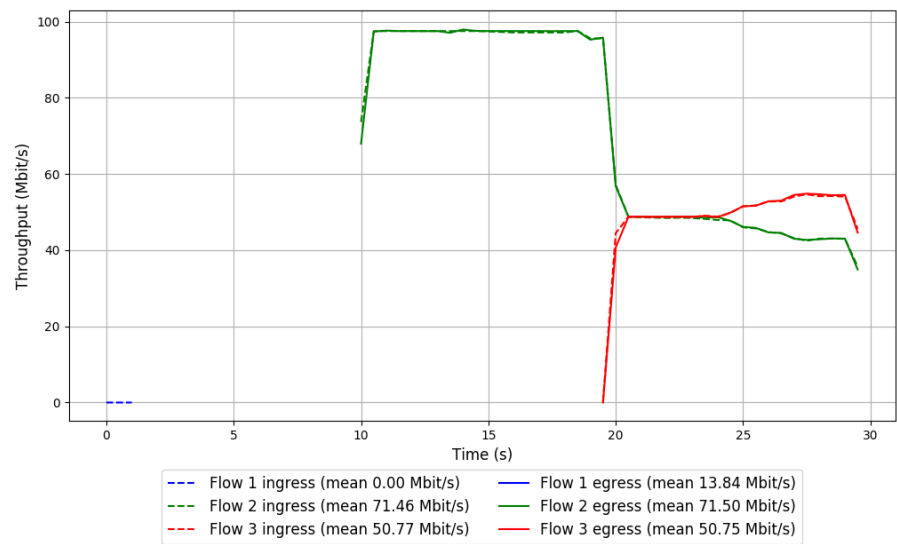


Run 9: Statistics of TCP Vegas

Start at: 2017-09-22 02:19:29  
End at: 2017-09-22 02:19:59  
Local clock offset: -1.499 ms  
Remote clock offset: -2.158 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.61 Mbit/s  
95th percentile per-packet one-way delay: 40.905 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 13.84 Mbit/s  
95th percentile per-packet one-way delay: 1851.202 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 71.50 Mbit/s  
95th percentile per-packet one-way delay: 39.708 ms  
Loss rate: 0.08%  
-- Flow 3:  
Average throughput: 50.75 Mbit/s  
95th percentile per-packet one-way delay: 41.212 ms  
Loss rate: 0.31%

Run 9: Report of TCP Vegas — Data Link

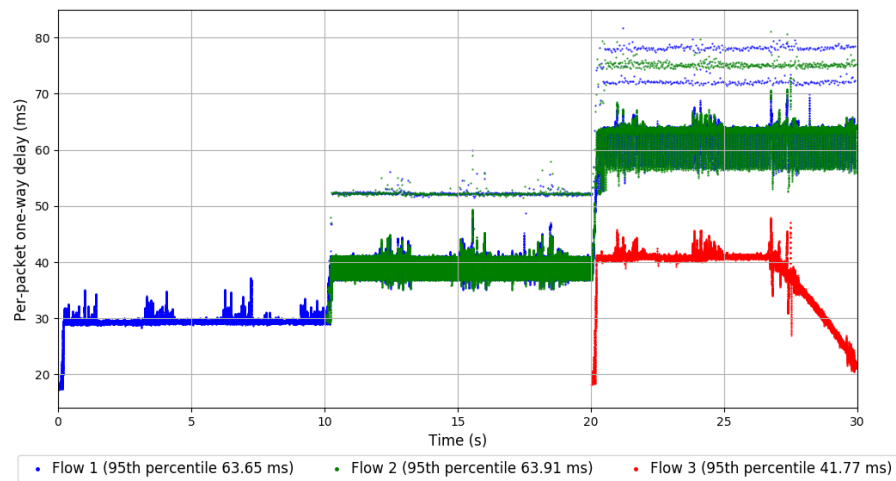
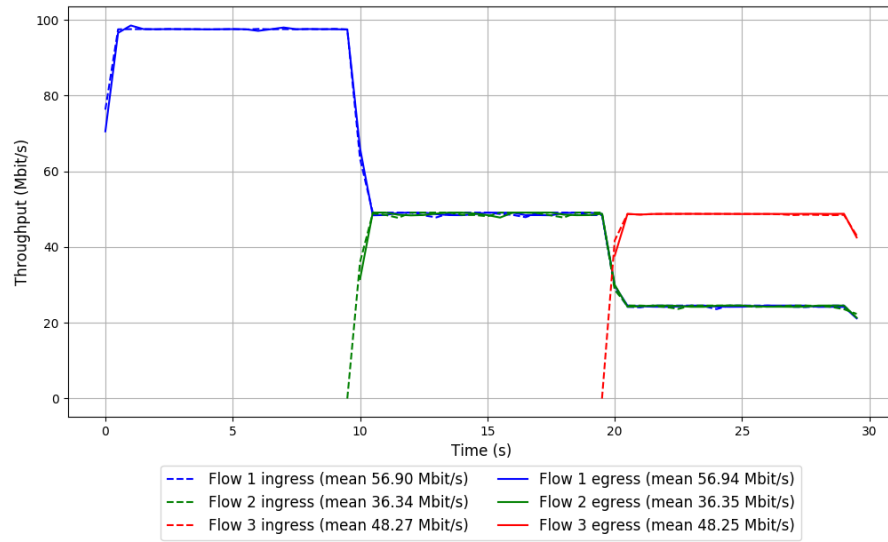


Run 10: Statistics of TCP Vegas

Start at: 2017-09-22 02:39:21  
End at: 2017-09-22 02:39:51  
Local clock offset: -1.342 ms  
Remote clock offset: -2.207 ms

# Below is generated by plot.py at 2017-09-22 06:19:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 63.696 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 56.94 Mbit/s  
95th percentile per-packet one-way delay: 63.653 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 36.35 Mbit/s  
95th percentile per-packet one-way delay: 63.913 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 48.25 Mbit/s  
95th percentile per-packet one-way delay: 41.772 ms  
Loss rate: 0.31%

# Run 10: Report of TCP Vegas — Data Link



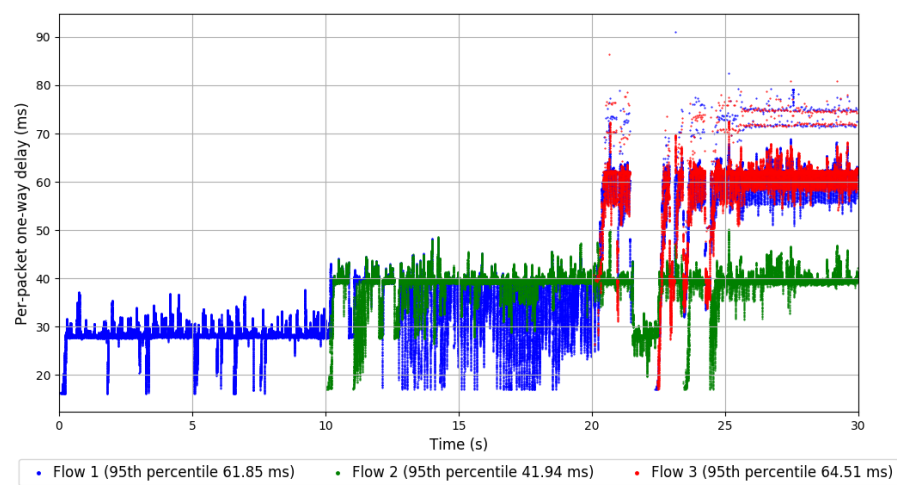
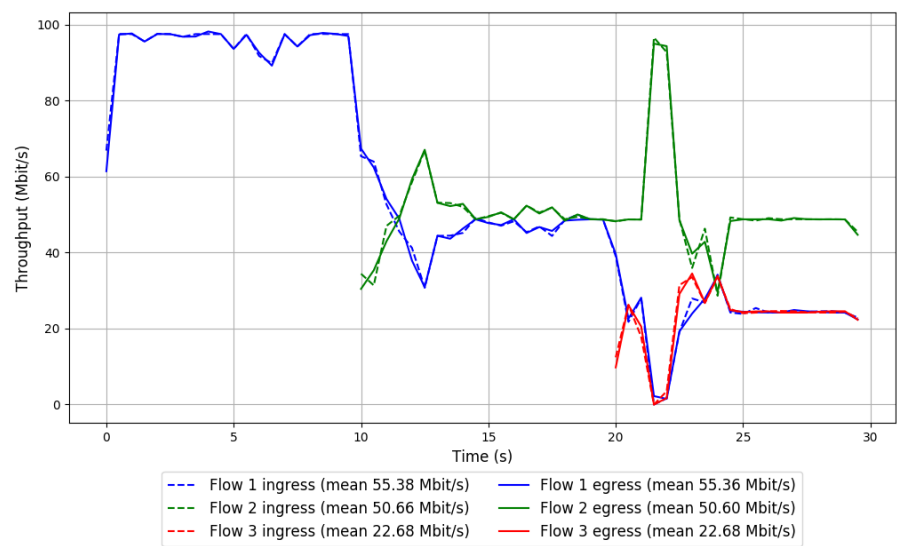
Run 1: Statistics of Verus

Start at: 2017-09-21 23:12:56  
End at: 2017-09-21 23:13:26  
Local clock offset: -1.587 ms  
Remote clock offset: -3.343 ms

# Below is generated by plot.py at 2017-09-22 06:19:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.54 Mbit/s  
95th percentile per-packet one-way delay: 61.919 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 55.36 Mbit/s  
95th percentile per-packet one-way delay: 61.847 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 50.60 Mbit/s  
95th percentile per-packet one-way delay: 41.942 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 22.68 Mbit/s  
95th percentile per-packet one-way delay: 64.511 ms  
Loss rate: 0.71%



Run 1: Report of Verus — Data Link

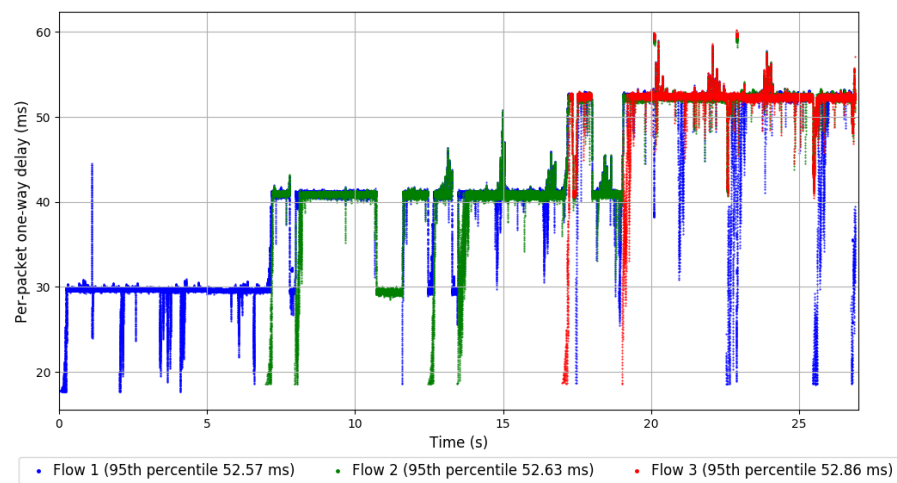
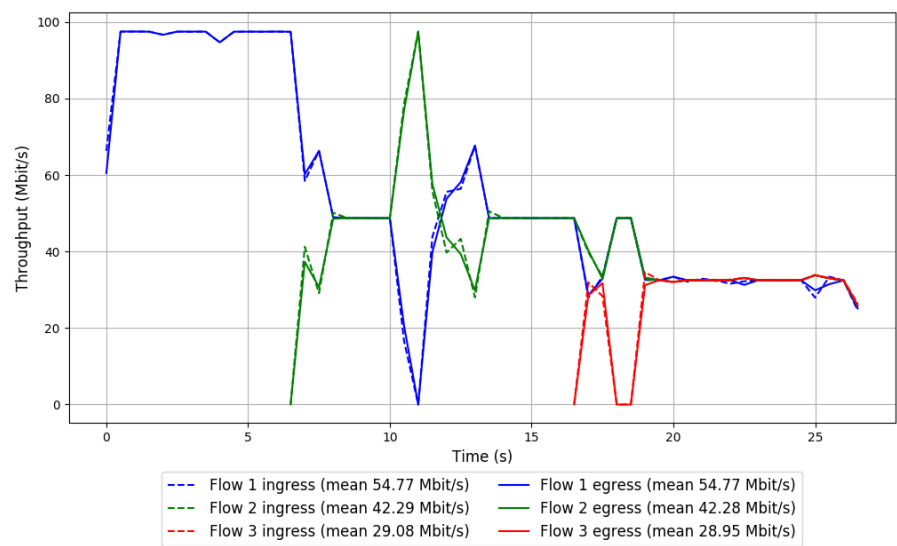


Run 2: Statistics of Verus

Start at: 2017-09-21 23:34:40  
End at: 2017-09-21 23:35:10  
Local clock offset: 0.111 ms  
Remote clock offset: -3.206 ms

# Below is generated by plot.py at 2017-09-22 06:20:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.77 Mbit/s  
95th percentile per-packet one-way delay: 52.631 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 54.77 Mbit/s  
95th percentile per-packet one-way delay: 52.572 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 42.28 Mbit/s  
95th percentile per-packet one-way delay: 52.630 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 28.95 Mbit/s  
95th percentile per-packet one-way delay: 52.861 ms  
Loss rate: 0.66%

Run 2: Report of Verus — Data Link

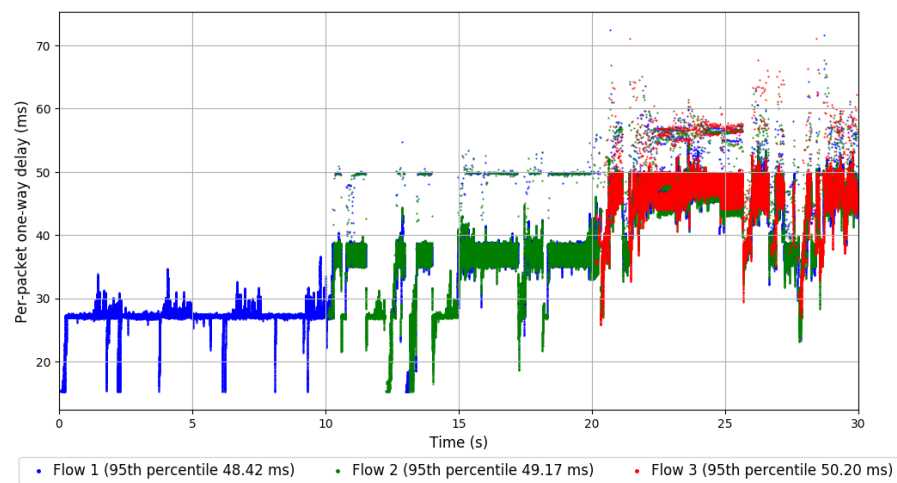
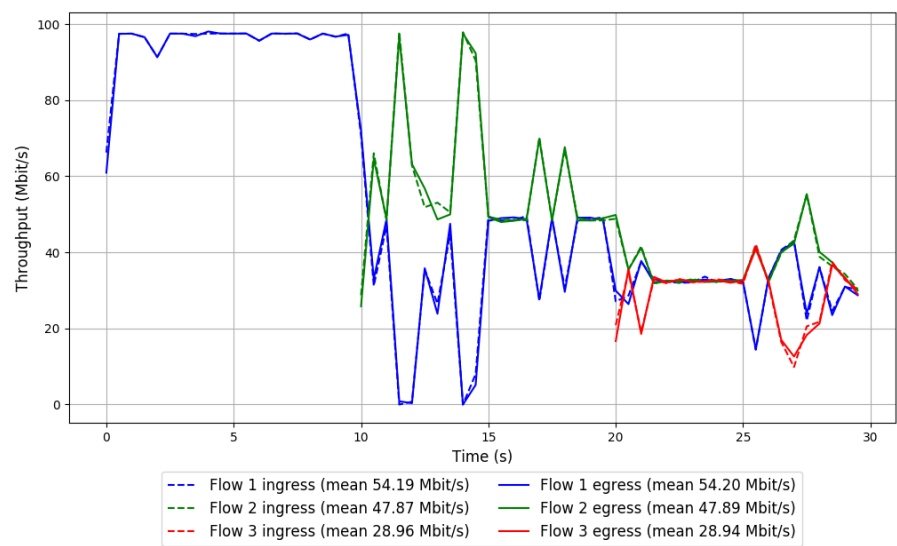


Run 3: Statistics of Verus

Start at: 2017-09-21 23:52:46  
End at: 2017-09-21 23:53:16  
Local clock offset: -2.715 ms  
Remote clock offset: -3.457 ms

# Below is generated by plot.py at 2017-09-22 06:20:25  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.63 Mbit/s  
95th percentile per-packet one-way delay: 49.272 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 54.20 Mbit/s  
95th percentile per-packet one-way delay: 48.418 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 47.89 Mbit/s  
95th percentile per-packet one-way delay: 49.173 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 28.94 Mbit/s  
95th percentile per-packet one-way delay: 50.199 ms  
Loss rate: 0.69%

Run 3: Report of Verus — Data Link

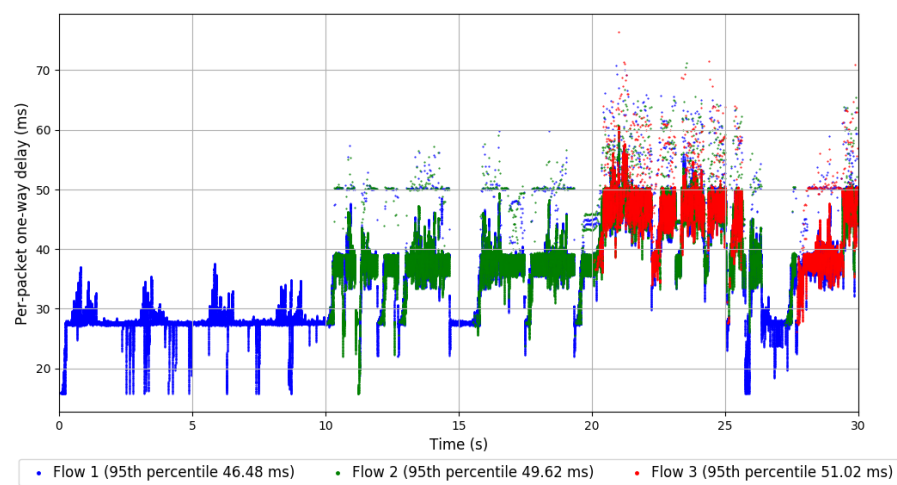
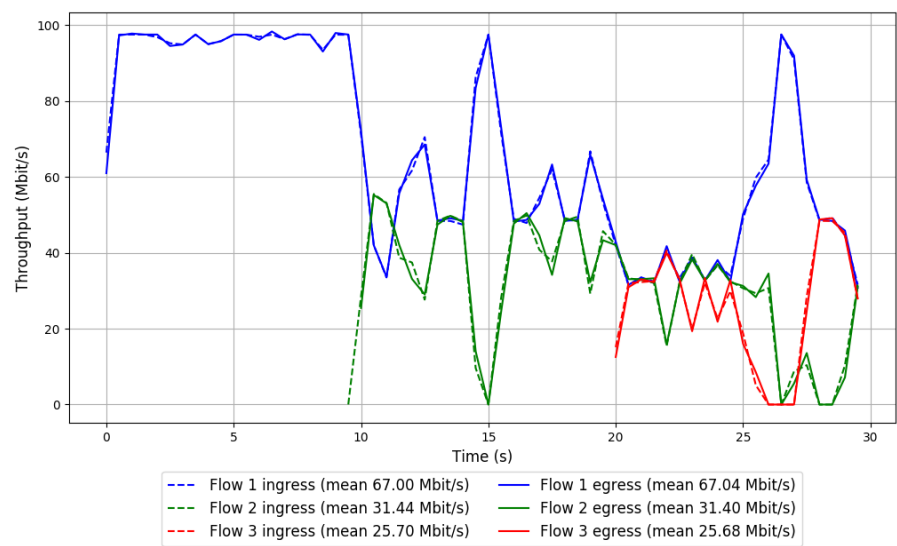


Run 4: Statistics of Verus

Start at: 2017-09-22 00:11:38  
End at: 2017-09-22 00:12:08  
Local clock offset: -1.843 ms  
Remote clock offset: -2.914 ms

# Below is generated by plot.py at 2017-09-22 06:20:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.42 Mbit/s  
95th percentile per-packet one-way delay: 48.704 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 67.04 Mbit/s  
95th percentile per-packet one-way delay: 46.481 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 31.40 Mbit/s  
95th percentile per-packet one-way delay: 49.624 ms  
Loss rate: 0.30%  
-- Flow 3:  
Average throughput: 25.68 Mbit/s  
95th percentile per-packet one-way delay: 51.019 ms  
Loss rate: 0.67%

Run 4: Report of Verus — Data Link



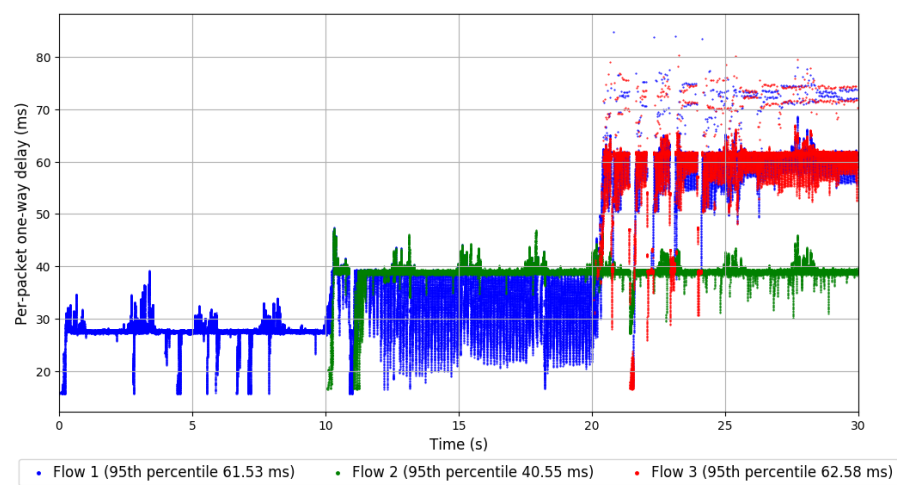
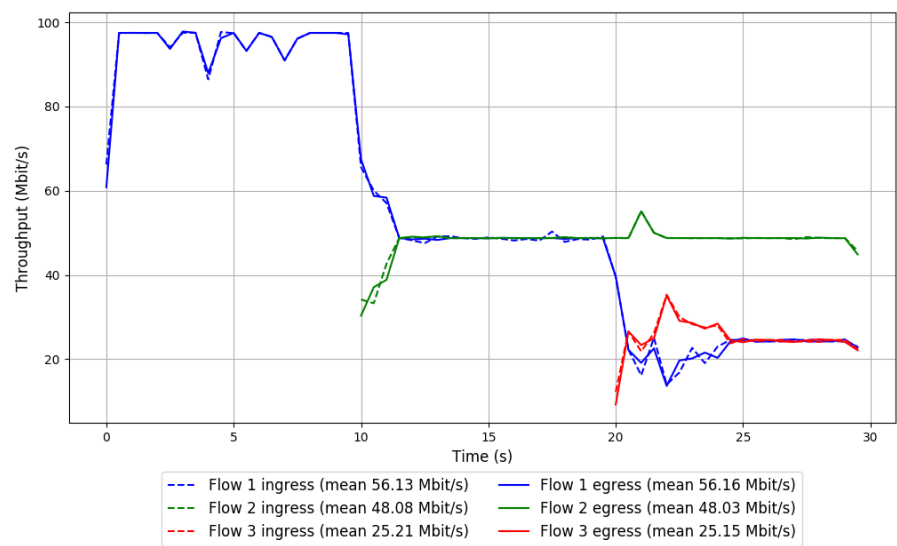
Run 5: Statistics of Verus

Start at: 2017-09-22 00:29:57  
End at: 2017-09-22 00:30:27  
Local clock offset: -1.858 ms  
Remote clock offset: -2.835 ms

# Below is generated by plot.py at 2017-09-22 06:20:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.44 Mbit/s  
95th percentile per-packet one-way delay: 61.592 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 56.16 Mbit/s  
95th percentile per-packet one-way delay: 61.531 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.03 Mbit/s  
95th percentile per-packet one-way delay: 40.550 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 25.15 Mbit/s  
95th percentile per-packet one-way delay: 62.584 ms  
Loss rate: 0.66%



Run 5: Report of Verus — Data Link

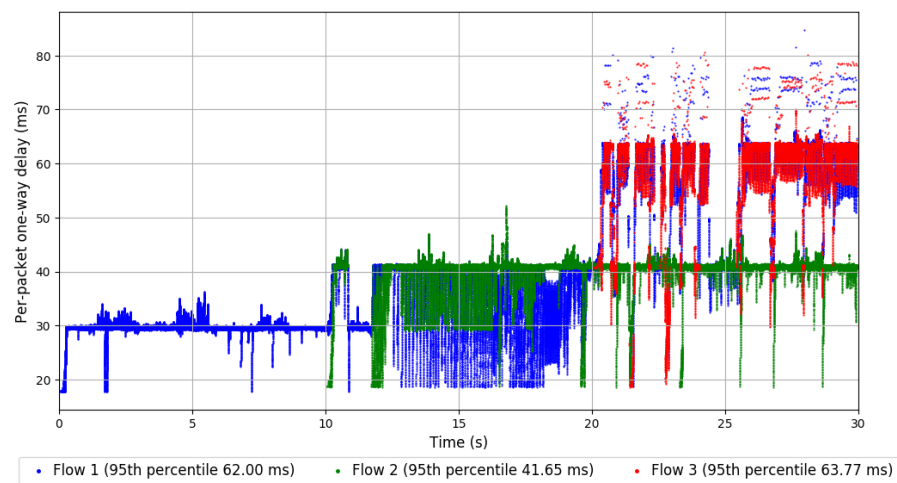
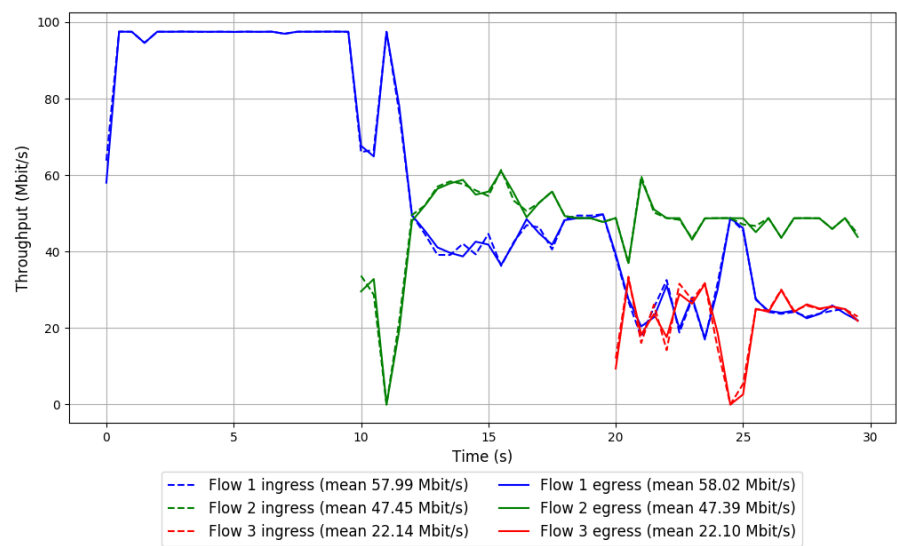


Run 6: Statistics of Verus

Start at: 2017-09-22 00:49:05  
End at: 2017-09-22 00:49:35  
Local clock offset: -0.929 ms  
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2017-09-22 06:20:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.83 Mbit/s  
95th percentile per-packet one-way delay: 62.812 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.02 Mbit/s  
95th percentile per-packet one-way delay: 61.996 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 47.39 Mbit/s  
95th percentile per-packet one-way delay: 41.649 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 22.10 Mbit/s  
95th percentile per-packet one-way delay: 63.766 ms  
Loss rate: 0.90%

Run 6: Report of Verus — Data Link

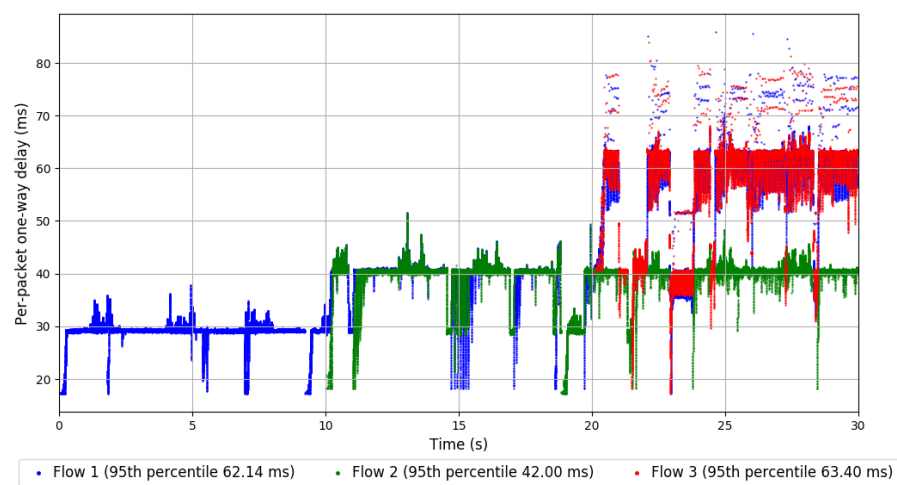
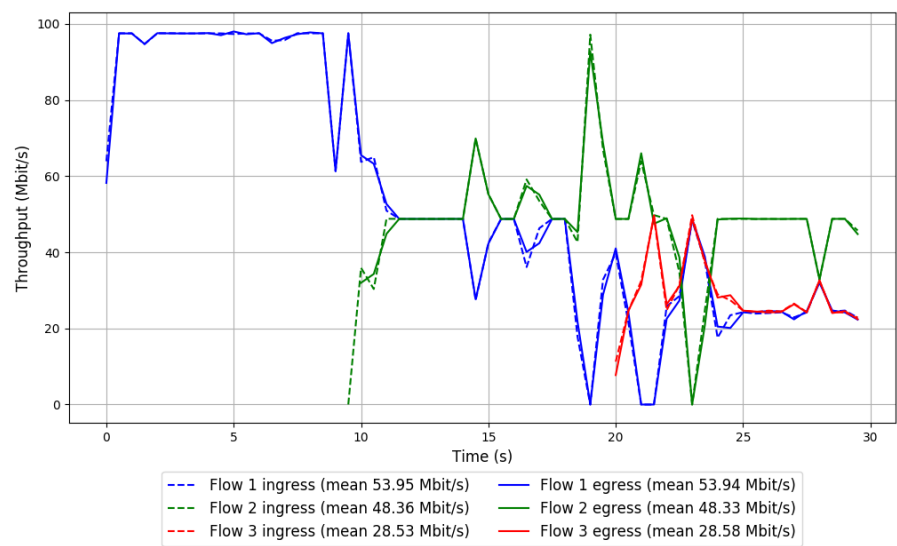


Run 7: Statistics of Verus

Start at: 2017-09-22 01:07:41  
End at: 2017-09-22 01:08:11  
Local clock offset: -1.81 ms  
Remote clock offset: -2.051 ms

# Below is generated by plot.py at 2017-09-22 06:21:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 62.672 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 53.94 Mbit/s  
95th percentile per-packet one-way delay: 62.144 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 48.33 Mbit/s  
95th percentile per-packet one-way delay: 42.001 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 28.58 Mbit/s  
95th percentile per-packet one-way delay: 63.403 ms  
Loss rate: 0.64%

Run 7: Report of Verus — Data Link

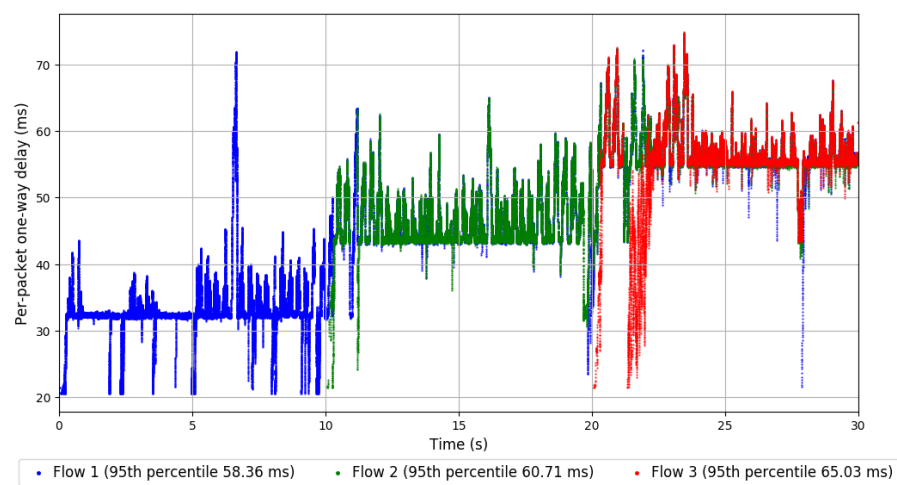
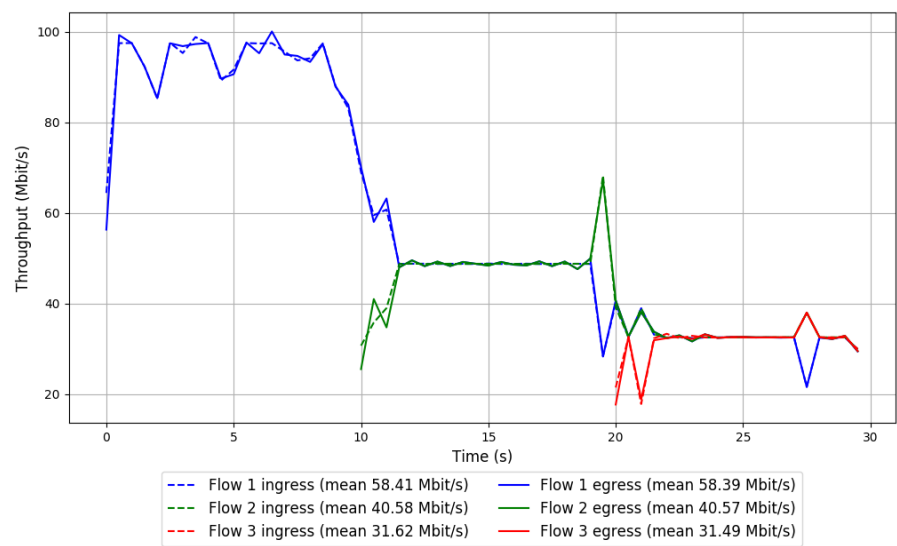


Run 8: Statistics of Verus

Start at: 2017-09-22 01:34:53  
End at: 2017-09-22 01:35:23  
Local clock offset: 1.124 ms  
Remote clock offset: -2.859 ms

# Below is generated by plot.py at 2017-09-22 06:21:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 59.904 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 58.39 Mbit/s  
95th percentile per-packet one-way delay: 58.359 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 40.57 Mbit/s  
95th percentile per-packet one-way delay: 60.713 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 31.49 Mbit/s  
95th percentile per-packet one-way delay: 65.030 ms  
Loss rate: 0.64%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-22 02:08:27

End at: 2017-09-22 02:08:57

Local clock offset: 1.884 ms

Remote clock offset: -2.25 ms

# Below is generated by plot.py at 2017-09-22 06:21:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 66.421 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.38 Mbit/s

95th percentile per-packet one-way delay: 66.302 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 66.612 ms

Loss rate: 0.25%

-- Flow 3:

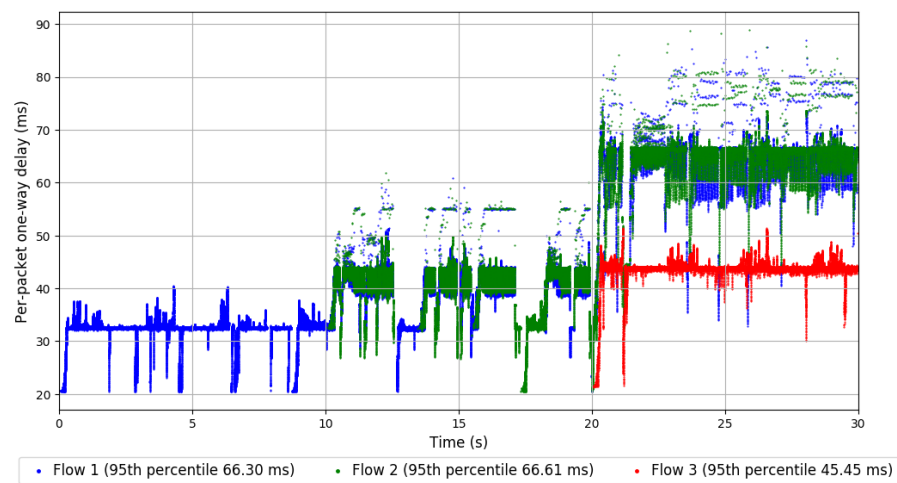
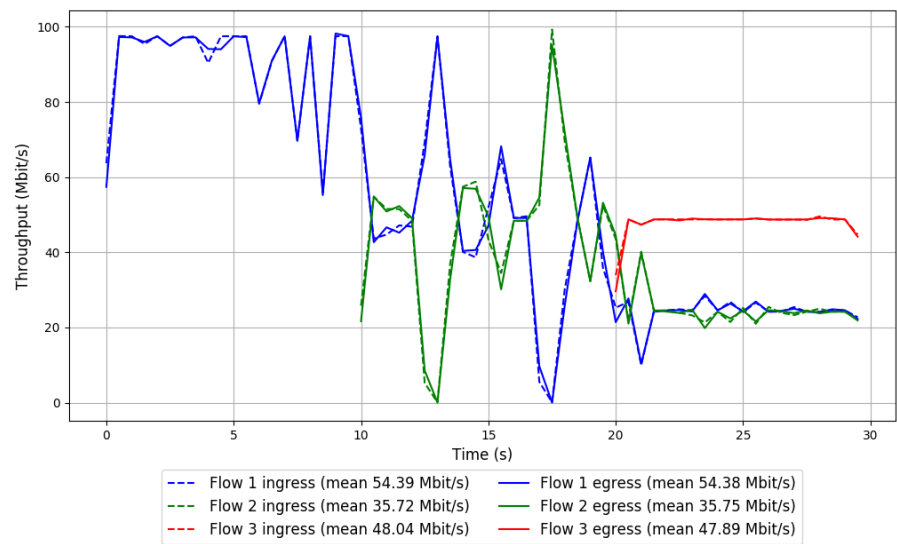
Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 45.445 ms

Loss rate: 0.50%



Run 9: Report of Verus — Data Link

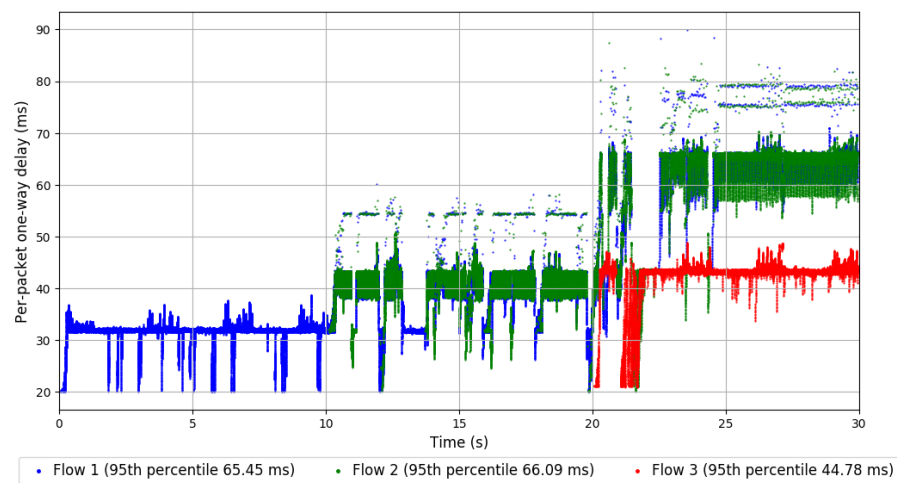
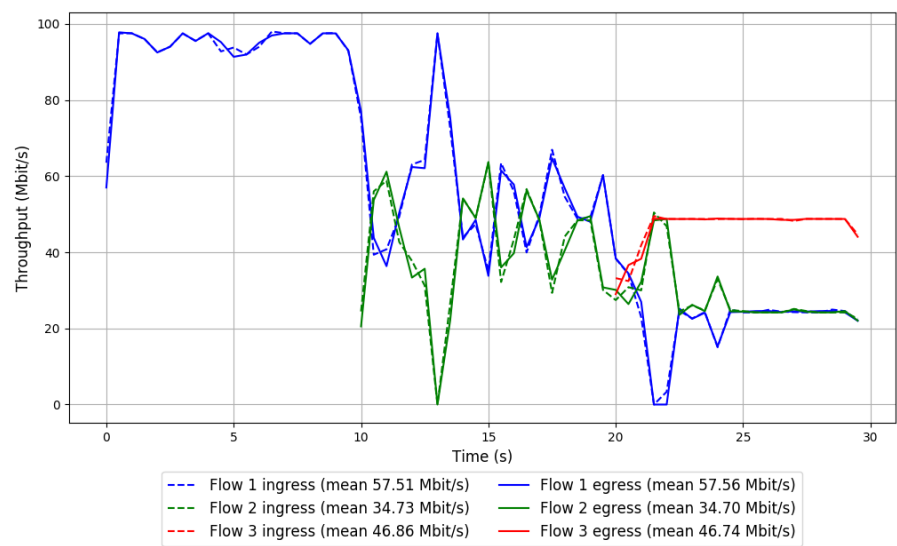


Run 10: Statistics of Verus

Start at: 2017-09-22 02:27:28  
End at: 2017-09-22 02:27:58  
Local clock offset: 1.205 ms  
Remote clock offset: -2.481 ms

# Below is generated by plot.py at 2017-09-22 06:21:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.12 Mbit/s  
95th percentile per-packet one-way delay: 65.823 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 57.56 Mbit/s  
95th percentile per-packet one-way delay: 65.449 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 34.70 Mbit/s  
95th percentile per-packet one-way delay: 66.088 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 46.74 Mbit/s  
95th percentile per-packet one-way delay: 44.777 ms  
Loss rate: 0.53%

Run 10: Report of Verus — Data Link

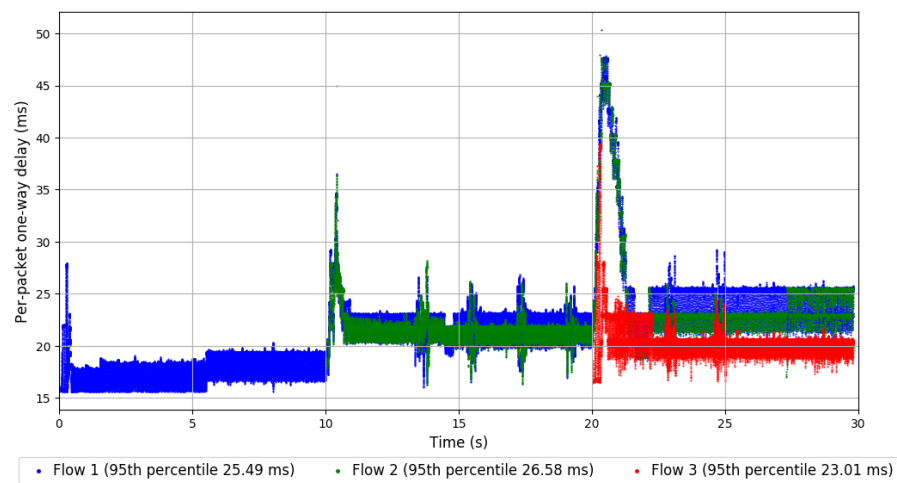
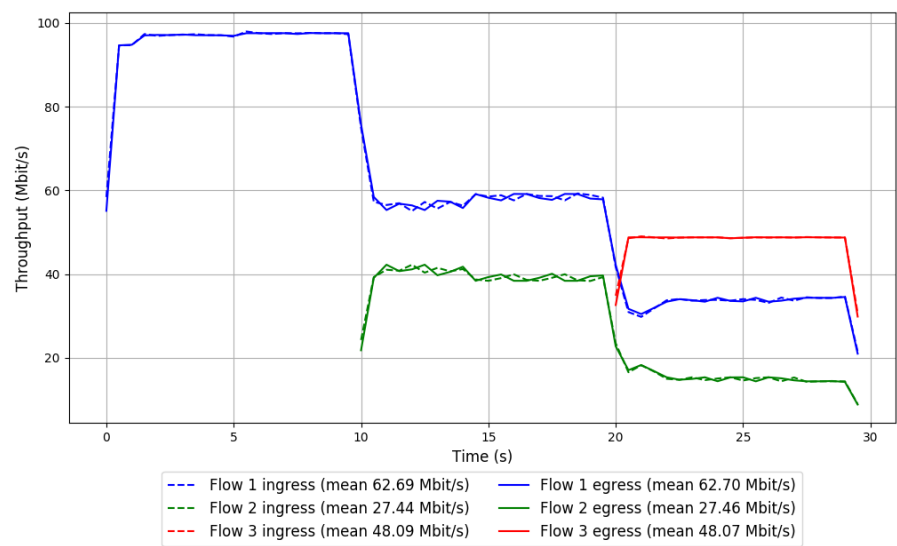


Run 1: Statistics of Indigo

Start at: 2017-09-21 23:19:57  
End at: 2017-09-21 23:20:27  
Local clock offset: -1.951 ms  
Remote clock offset: -3.245 ms

# Below is generated by plot.py at 2017-09-22 06:21:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.69 Mbit/s  
95th percentile per-packet one-way delay: 25.472 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 62.70 Mbit/s  
95th percentile per-packet one-way delay: 25.494 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 27.46 Mbit/s  
95th percentile per-packet one-way delay: 26.580 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 48.07 Mbit/s  
95th percentile per-packet one-way delay: 23.013 ms  
Loss rate: 0.30%

Run 1: Report of Indigo — Data Link

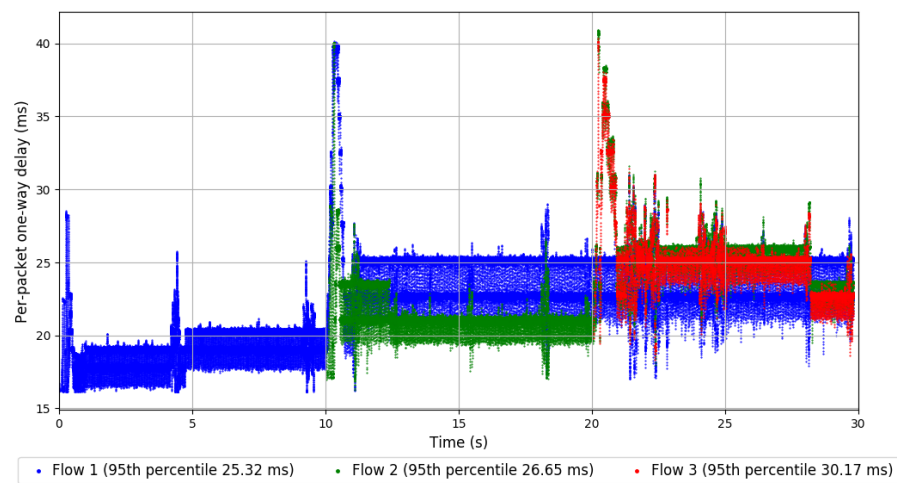
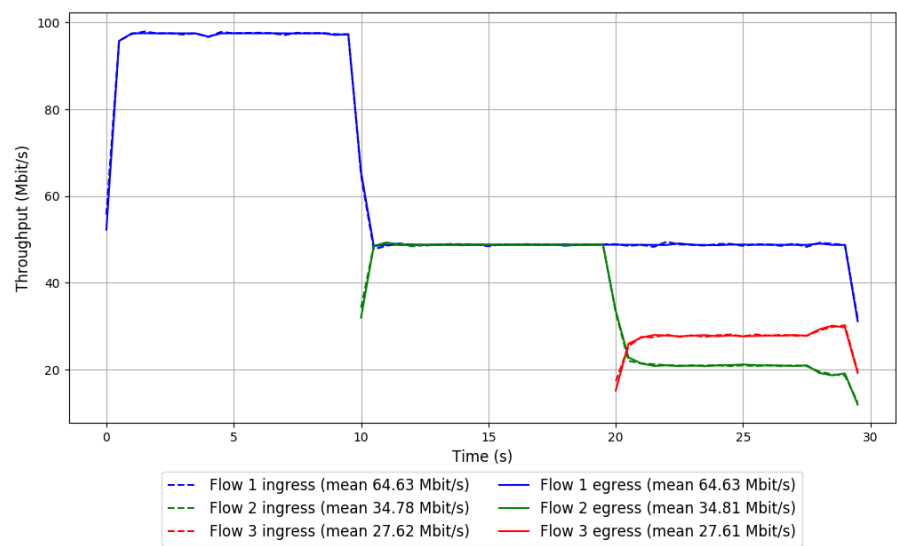


Run 2: Statistics of Indigo

Start at: 2017-09-21 23:37:22  
End at: 2017-09-21 23:37:52  
Local clock offset: -1.072 ms  
Remote clock offset: -2.884 ms

# Below is generated by plot.py at 2017-09-22 06:21:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.77 Mbit/s  
95th percentile per-packet one-way delay: 26.038 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 64.63 Mbit/s  
95th percentile per-packet one-way delay: 25.315 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 34.81 Mbit/s  
95th percentile per-packet one-way delay: 26.647 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 27.61 Mbit/s  
95th percentile per-packet one-way delay: 30.170 ms  
Loss rate: 0.36%

Run 2: Report of Indigo — Data Link



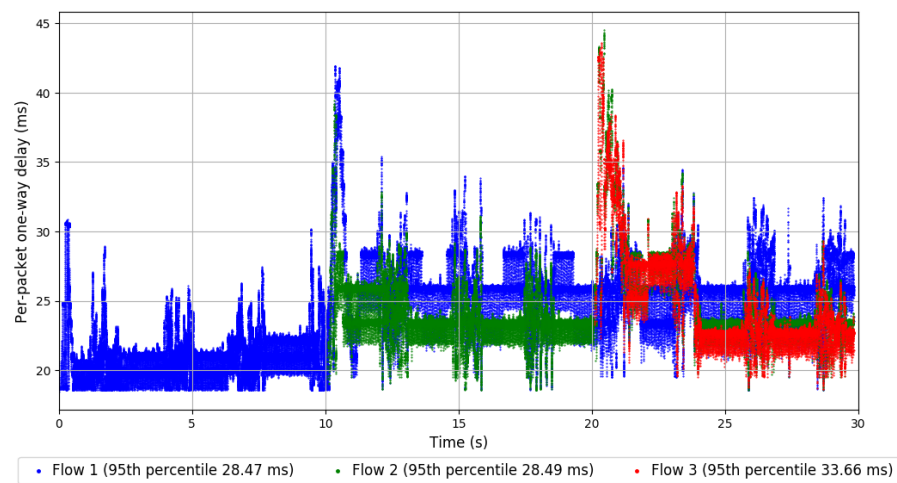
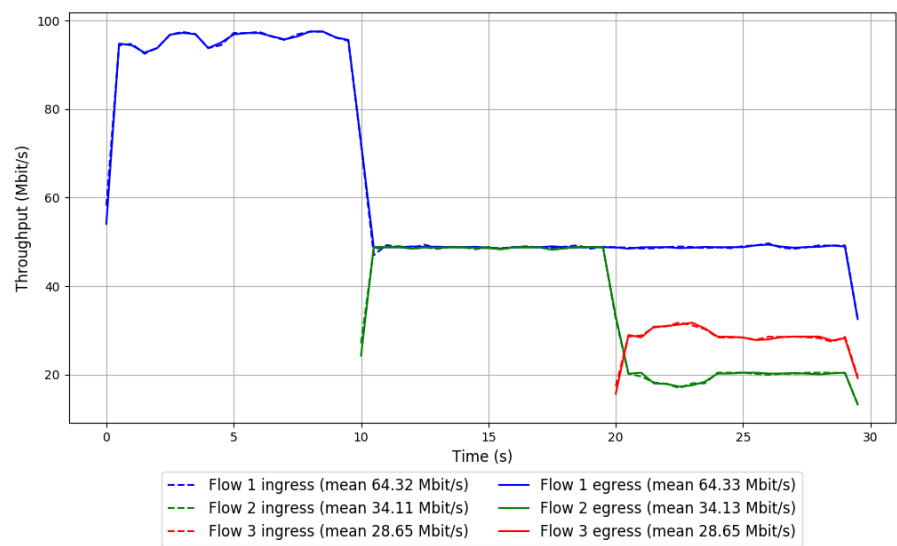
Run 3: Statistics of Indigo

Start at: 2017-09-21 23:55:37  
End at: 2017-09-21 23:56:07  
Local clock offset: 0.234 ms  
Remote clock offset: -3.777 ms

# Below is generated by plot.py at 2017-09-22 06:22:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 28.601 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 64.33 Mbit/s  
95th percentile per-packet one-way delay: 28.472 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 34.13 Mbit/s  
95th percentile per-packet one-way delay: 28.493 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 28.65 Mbit/s  
95th percentile per-packet one-way delay: 33.659 ms  
Loss rate: 0.28%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-22 00:14:12

End at: 2017-09-22 00:14:42

Local clock offset: -0.241 ms

Remote clock offset: -3.63 ms

# Below is generated by plot.py at 2017-09-22 06:22:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 28.739 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 28.918 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 25.454 ms

Loss rate: 0.11%

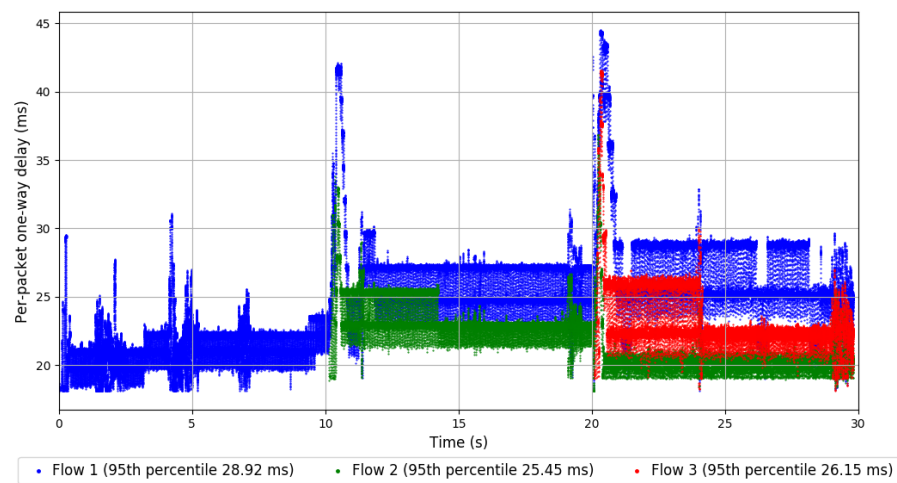
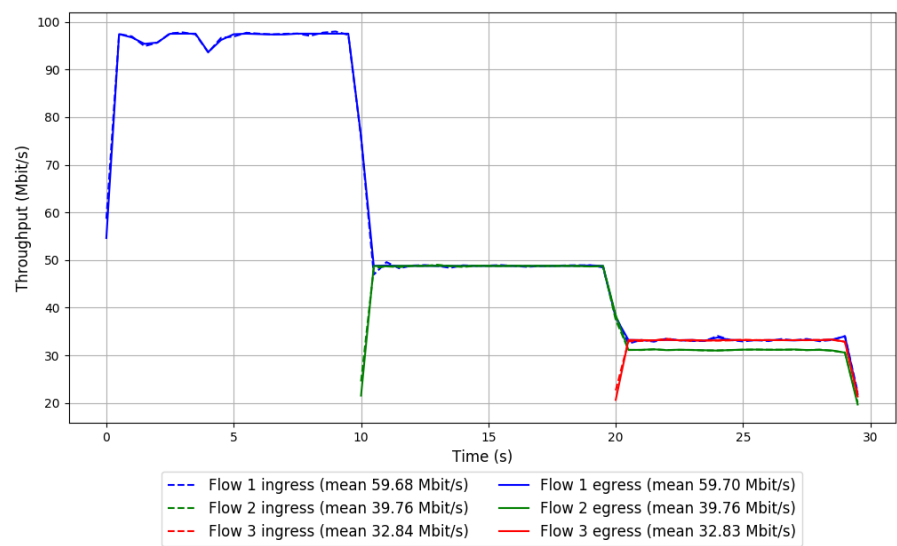
-- Flow 3:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 26.153 ms

Loss rate: 0.30%

Run 4: Report of Indigo — Data Link

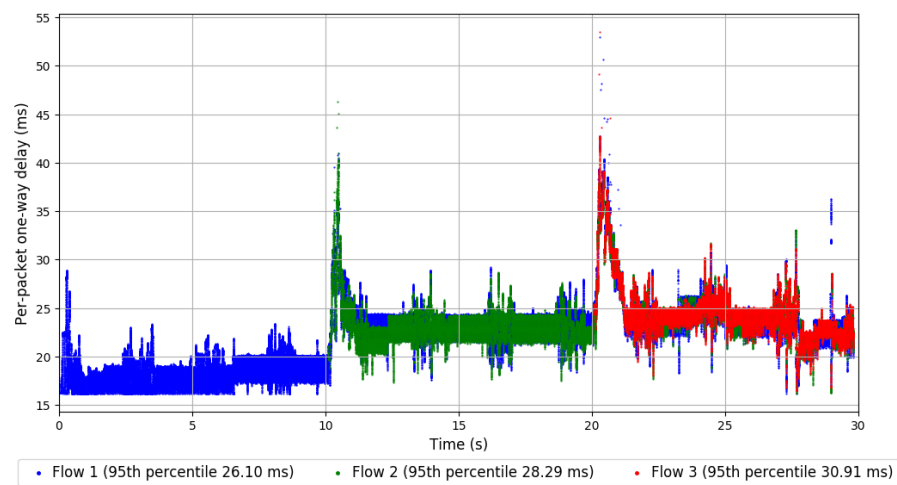
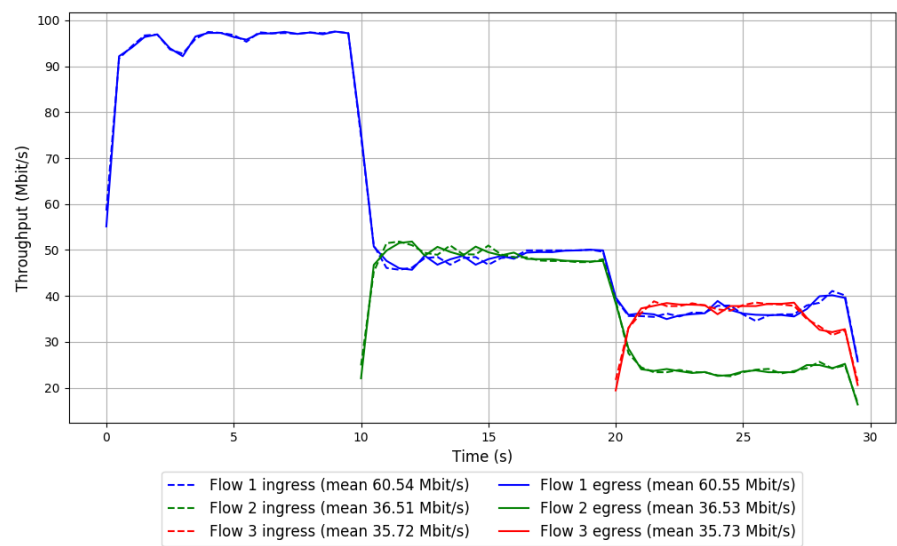


Run 5: Statistics of Indigo

Start at: 2017-09-22 00:32:44  
End at: 2017-09-22 00:33:14  
Local clock offset: -2.111 ms  
Remote clock offset: -3.529 ms

# Below is generated by plot.py at 2017-09-22 06:22:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.40 Mbit/s  
95th percentile per-packet one-way delay: 27.422 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 60.55 Mbit/s  
95th percentile per-packet one-way delay: 26.100 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 36.53 Mbit/s  
95th percentile per-packet one-way delay: 28.289 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 35.73 Mbit/s  
95th percentile per-packet one-way delay: 30.913 ms  
Loss rate: 0.29%

Run 5: Report of Indigo — Data Link

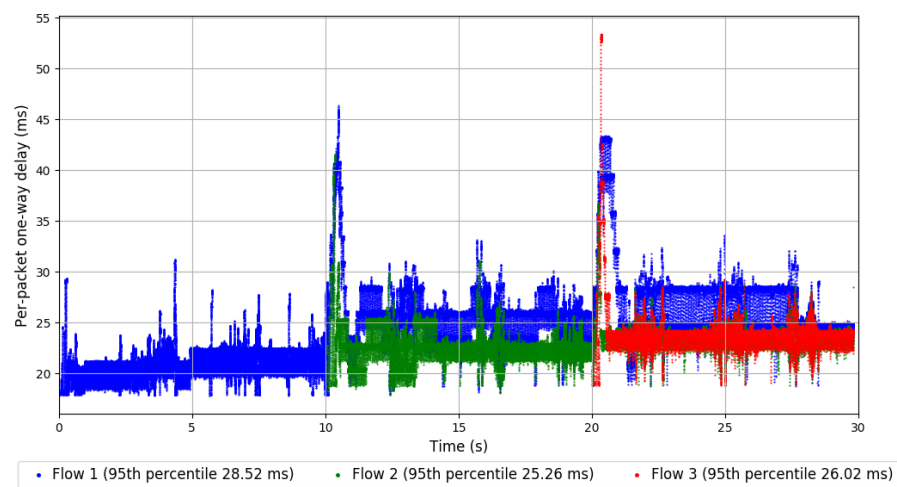
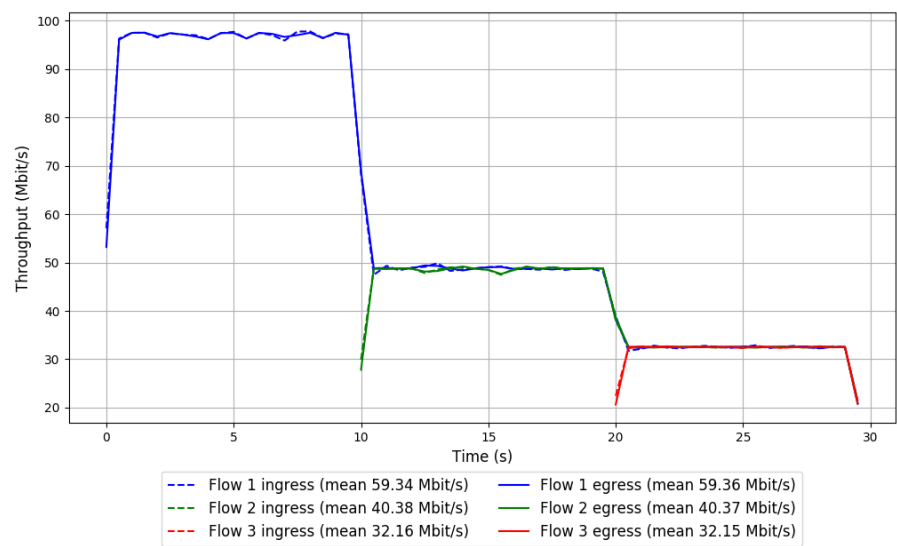


Run 6: Statistics of Indigo

Start at: 2017-09-22 00:51:48  
End at: 2017-09-22 00:52:18  
Local clock offset: -1.692 ms  
Remote clock offset: -2.656 ms

# Below is generated by plot.py at 2017-09-22 06:22:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.65 Mbit/s  
95th percentile per-packet one-way delay: 28.386 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.36 Mbit/s  
95th percentile per-packet one-way delay: 28.518 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.37 Mbit/s  
95th percentile per-packet one-way delay: 25.260 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 32.15 Mbit/s  
95th percentile per-packet one-way delay: 26.025 ms  
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link



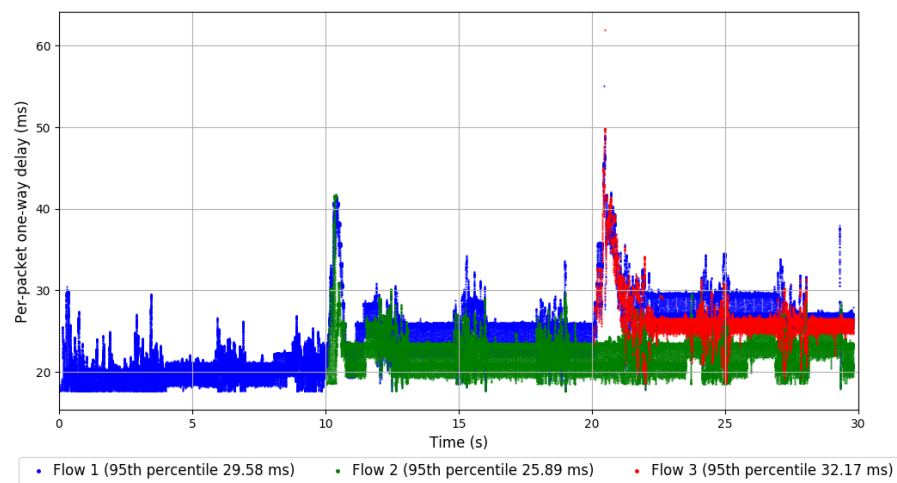
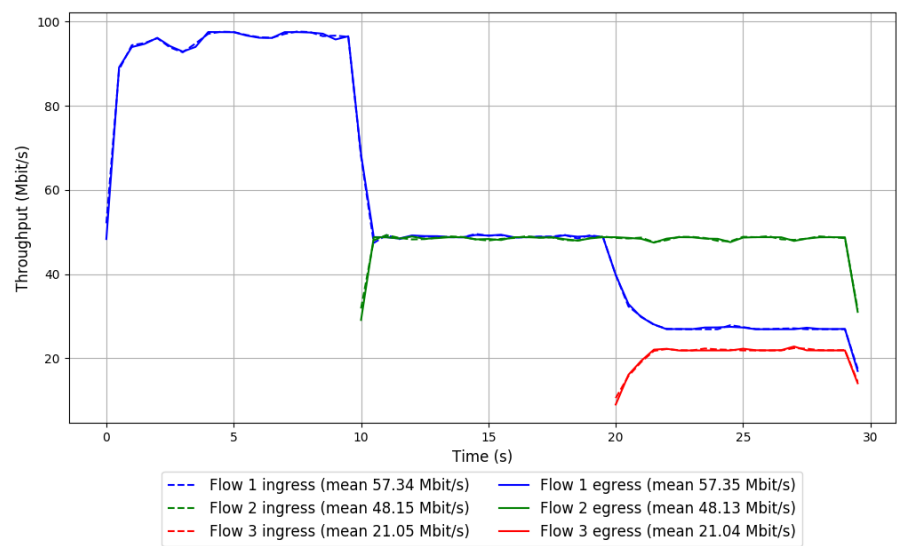
Run 7: Statistics of Indigo

Start at: 2017-09-22 01:10:37  
End at: 2017-09-22 01:11:07  
Local clock offset: -0.99 ms  
Remote clock offset: -1.713 ms

# Below is generated by plot.py at 2017-09-22 06:22:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.16 Mbit/s  
95th percentile per-packet one-way delay: 29.389 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 57.35 Mbit/s  
95th percentile per-packet one-way delay: 29.576 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 48.13 Mbit/s  
95th percentile per-packet one-way delay: 25.888 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 21.04 Mbit/s  
95th percentile per-packet one-way delay: 32.167 ms  
Loss rate: 0.38%



Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-22 01:43:52

End at: 2017-09-22 01:44:22

Local clock offset: -0.641 ms

Remote clock offset: -2.73 ms

# Below is generated by plot.py at 2017-09-22 06:22:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 29.844 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.48 Mbit/s

95th percentile per-packet one-way delay: 30.494 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 44.73 Mbit/s

95th percentile per-packet one-way delay: 26.543 ms

Loss rate: 0.15%

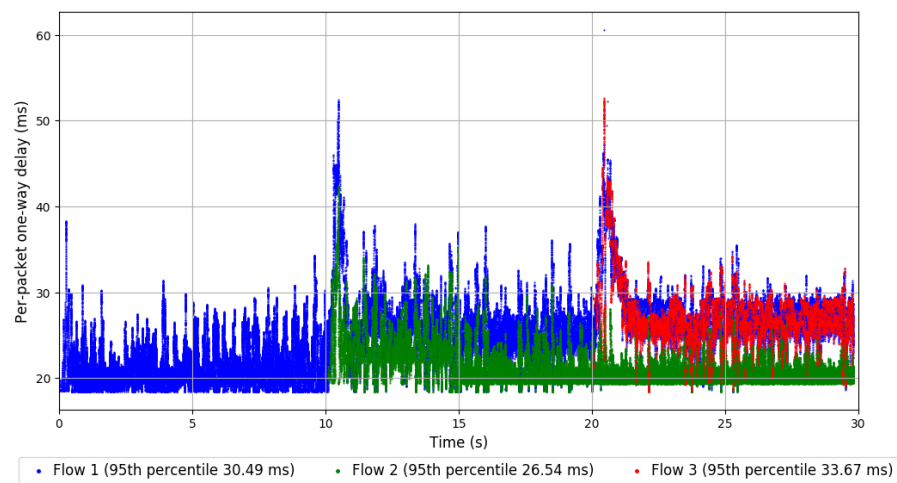
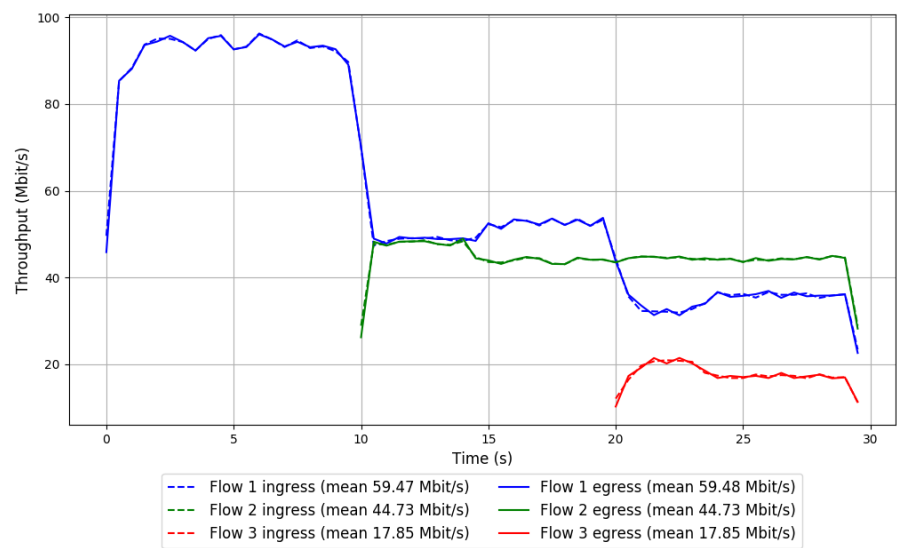
-- Flow 3:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 33.671 ms

Loss rate: 0.27%

Run 8: Report of Indigo — Data Link

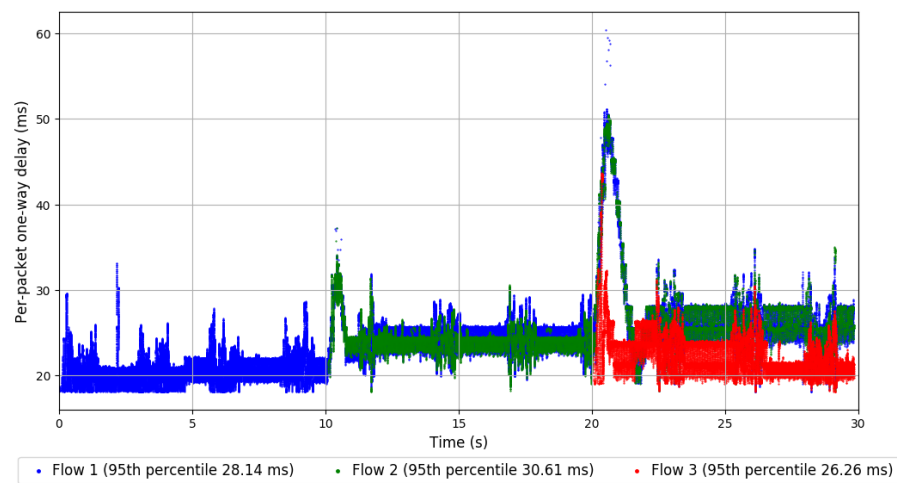
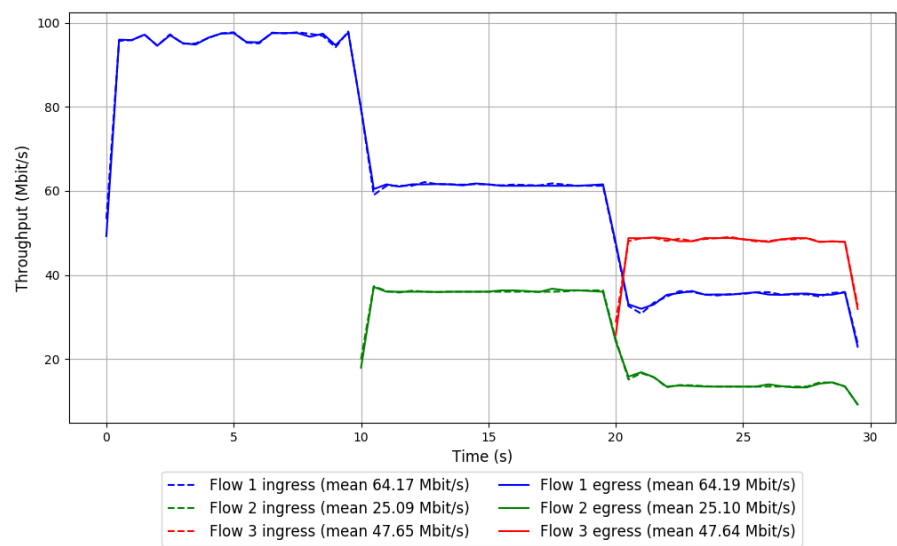


Run 9: Statistics of Indigo

Start at: 2017-09-22 02:11:27  
End at: 2017-09-22 02:11:57  
Local clock offset: -0.98 ms  
Remote clock offset: -2.758 ms

# Below is generated by plot.py at 2017-09-22 06:23:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 28.153 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 64.19 Mbit/s  
95th percentile per-packet one-way delay: 28.140 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 25.10 Mbit/s  
95th percentile per-packet one-way delay: 30.610 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 47.64 Mbit/s  
95th percentile per-packet one-way delay: 26.257 ms  
Loss rate: 0.31%

Run 9: Report of Indigo — Data Link

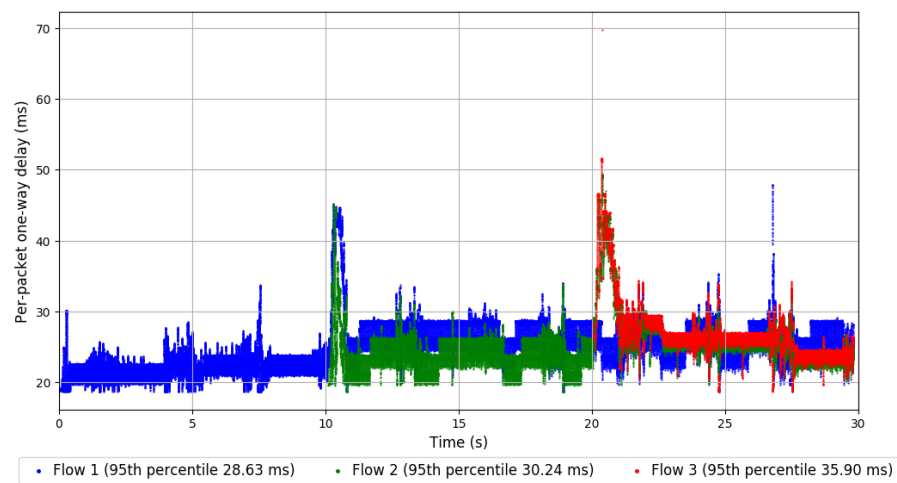
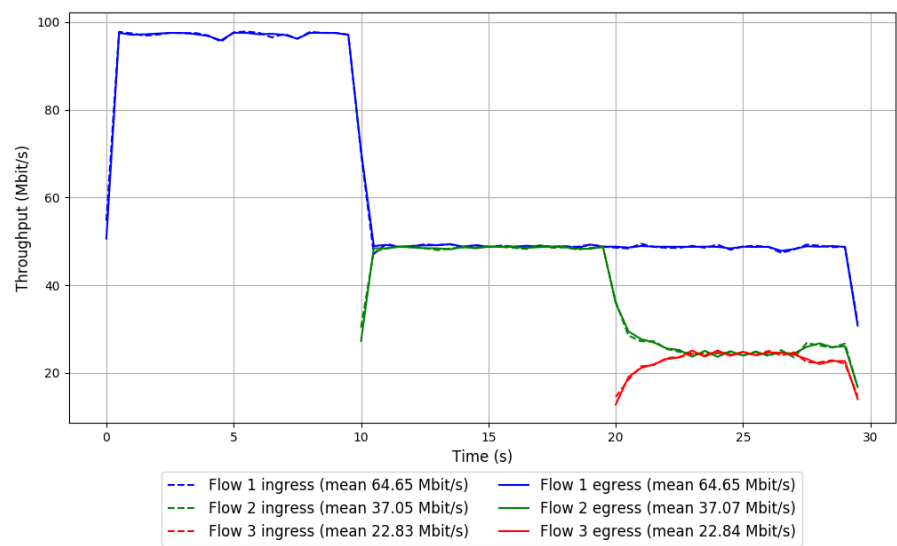


Run 10: Statistics of Indigo

Start at: 2017-09-22 02:30:19  
End at: 2017-09-22 02:30:49  
Local clock offset: 0.715 ms  
Remote clock offset: -1.589 ms

# Below is generated by plot.py at 2017-09-22 06:23:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.66 Mbit/s  
95th percentile per-packet one-way delay: 28.945 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 64.65 Mbit/s  
95th percentile per-packet one-way delay: 28.628 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 37.07 Mbit/s  
95th percentile per-packet one-way delay: 30.237 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 22.84 Mbit/s  
95th percentile per-packet one-way delay: 35.903 ms  
Loss rate: 0.32%

Run 10: Report of Indigo — Data Link



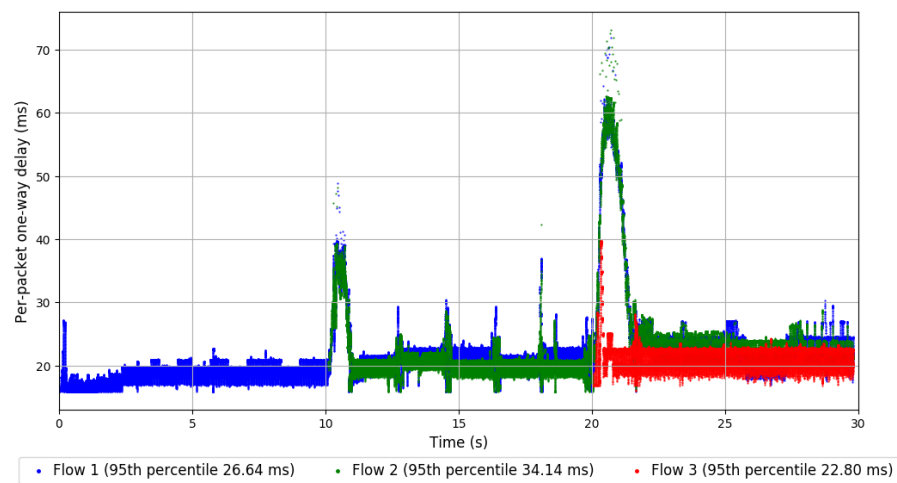
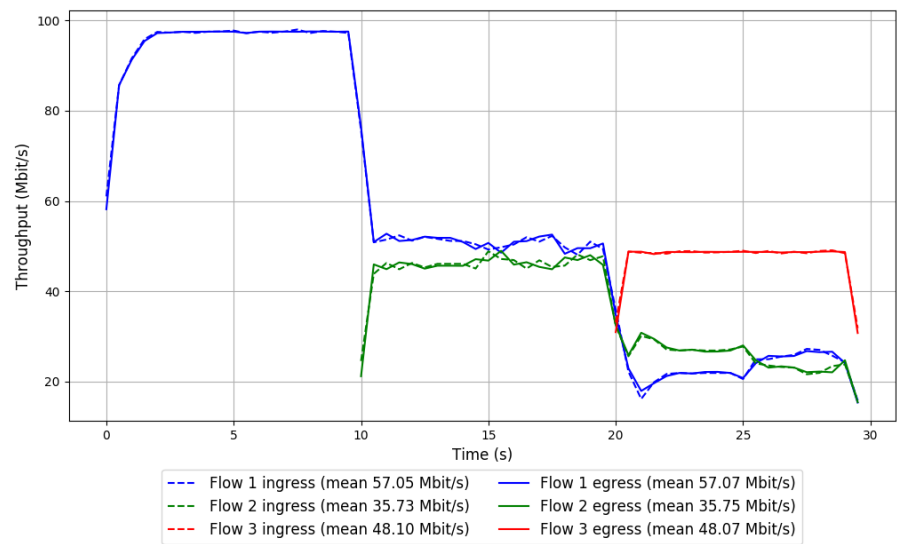
```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 23:22:18
End at: 2017-09-21 23:22:48
Local clock offset: -1.118 ms
Remote clock offset: -2.728 ms

# Below is generated by plot.py at 2017-09-22 06:23:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 26.885 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 26.641 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 34.141 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 22.802 ms
Loss rate: 0.32%
```



Run 1: Report of Indigo-calib — Data Link

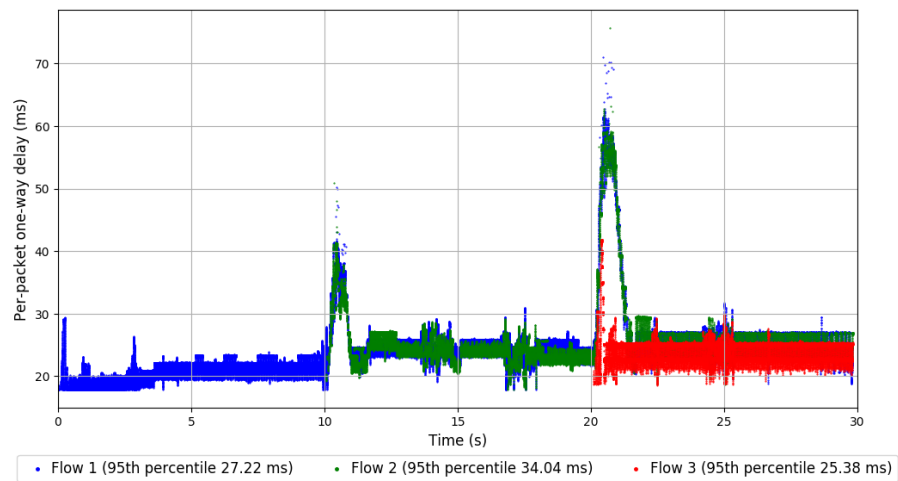
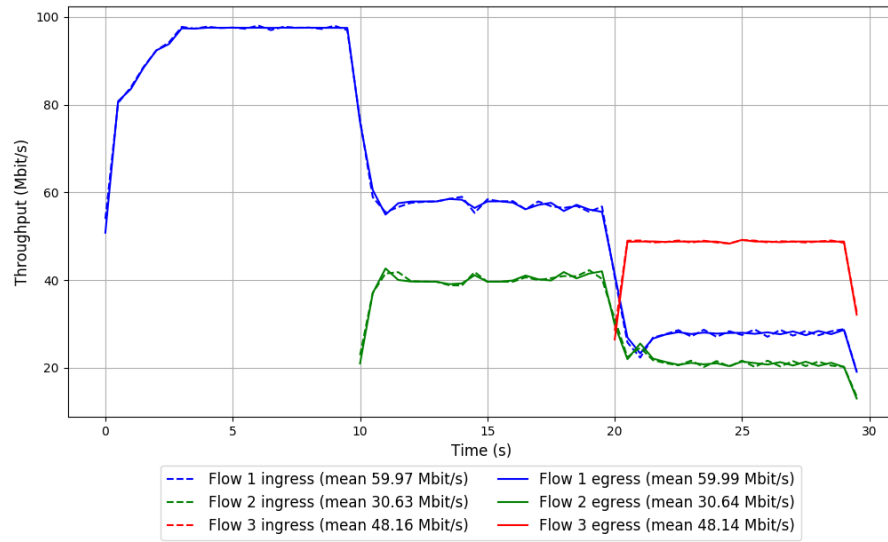


Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 23:39:44  
End at: 2017-09-21 23:40:14  
Local clock offset: 0.543 ms  
Remote clock offset: -2.915 ms

# Below is generated by plot.py at 2017-09-22 06:23:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.96 Mbit/s  
95th percentile per-packet one-way delay: 28.222 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.99 Mbit/s  
95th percentile per-packet one-way delay: 27.223 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 30.64 Mbit/s  
95th percentile per-packet one-way delay: 34.037 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 48.14 Mbit/s  
95th percentile per-packet one-way delay: 25.376 ms  
Loss rate: 0.30%

## Run 2: Report of Indigo-calib — Data Link

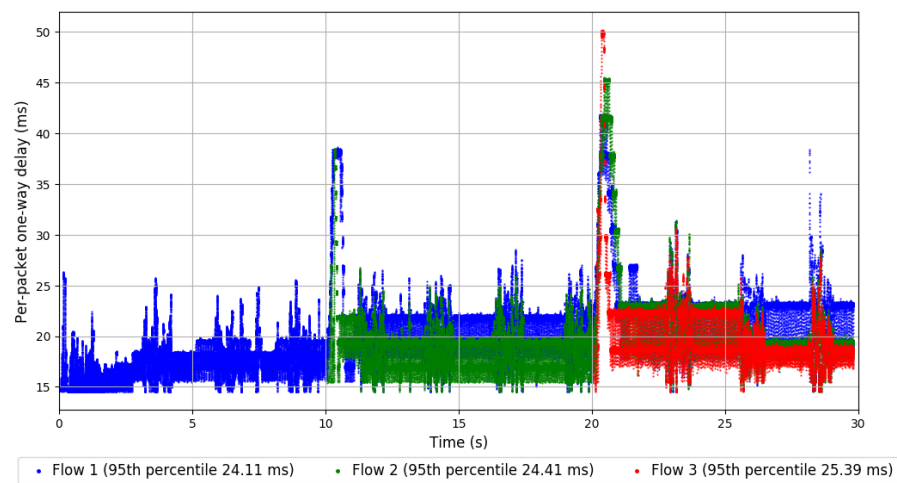
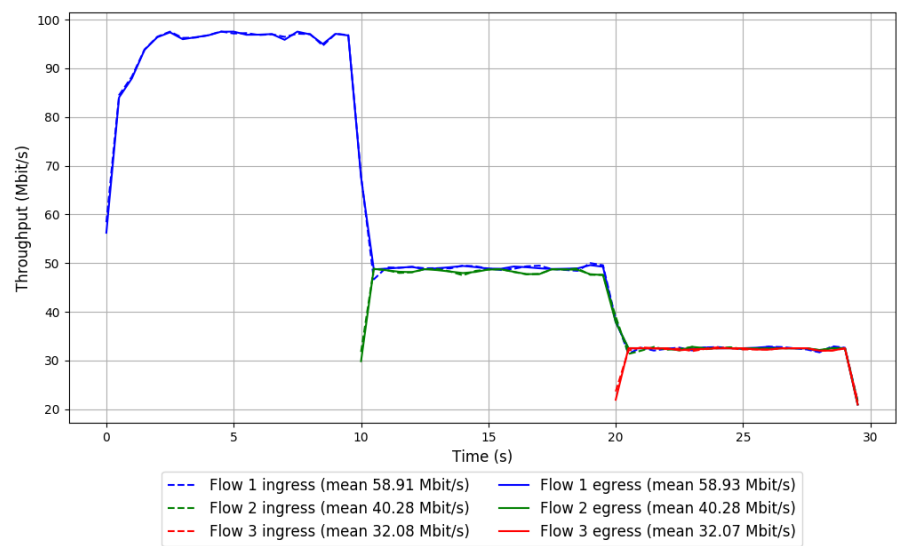


Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 23:58:10  
End at: 2017-09-21 23:58:40  
Local clock offset: -2.004 ms  
Remote clock offset: -1.961 ms

# Below is generated by plot.py at 2017-09-22 06:23:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.10 Mbit/s  
95th percentile per-packet one-way delay: 24.299 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.93 Mbit/s  
95th percentile per-packet one-way delay: 24.106 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.28 Mbit/s  
95th percentile per-packet one-way delay: 24.408 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.07 Mbit/s  
95th percentile per-packet one-way delay: 25.389 ms  
Loss rate: 0.29%

Run 3: Report of Indigo-calib — Data Link

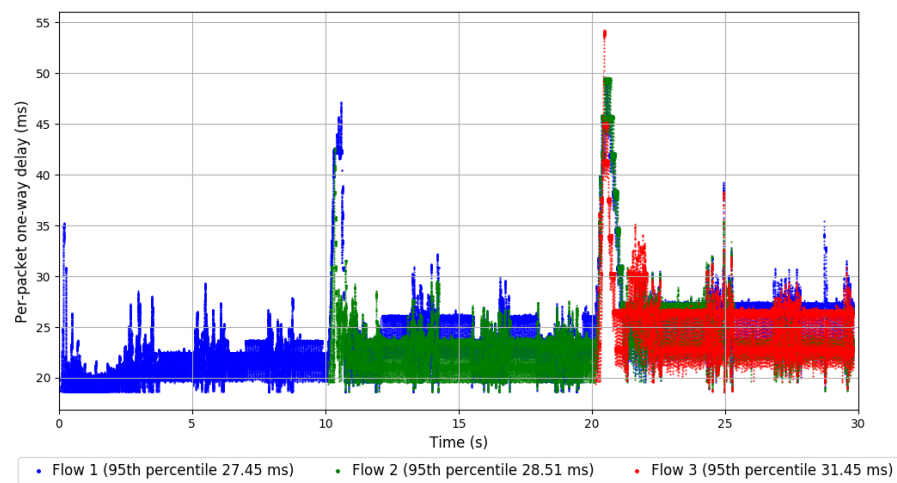
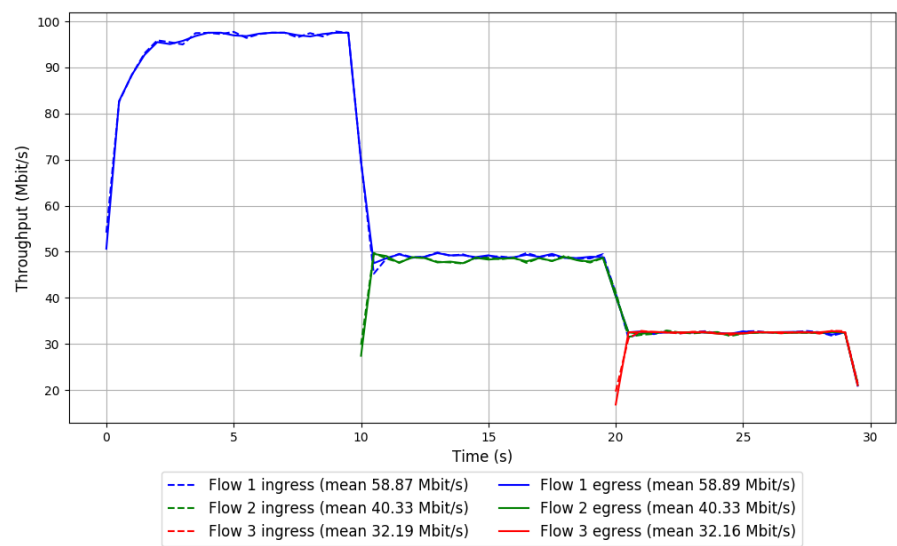


Run 4: Statistics of Indigo-calib

Start at: 2017-09-22 00:16:36  
End at: 2017-09-22 00:17:06  
Local clock offset: 0.236 ms  
Remote clock offset: -3.663 ms

# Below is generated by plot.py at 2017-09-22 06:24:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.02 Mbit/s  
95th percentile per-packet one-way delay: 28.440 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.89 Mbit/s  
95th percentile per-packet one-way delay: 27.447 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.33 Mbit/s  
95th percentile per-packet one-way delay: 28.508 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.16 Mbit/s  
95th percentile per-packet one-way delay: 31.445 ms  
Loss rate: 0.33%

Run 4: Report of Indigo-calib — Data Link



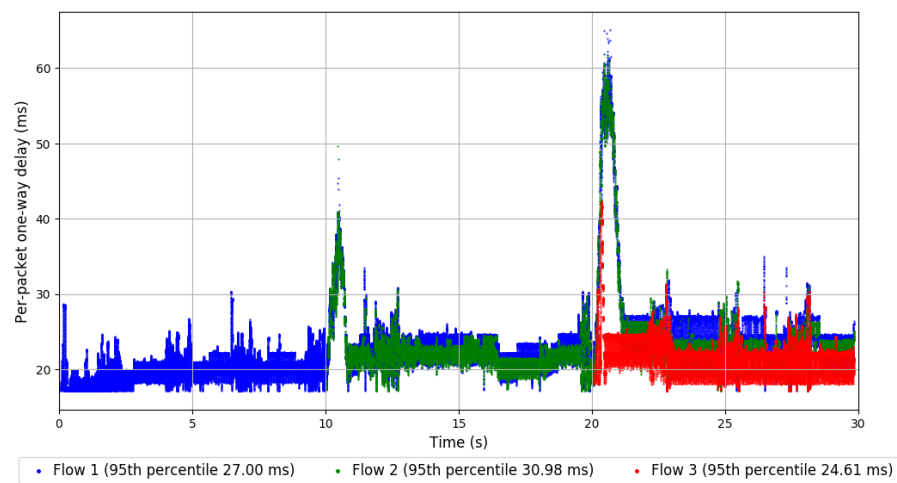
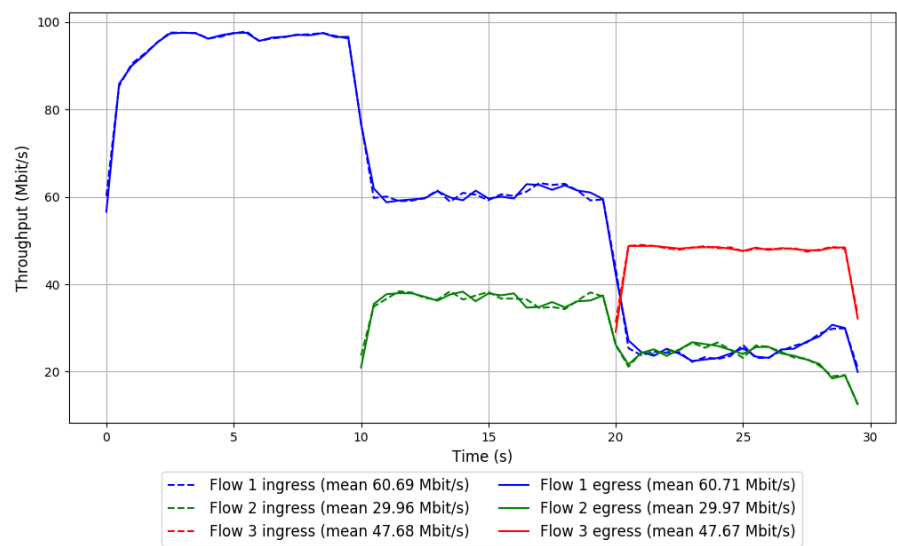
Run 5: Statistics of Indigo-calib

Start at: 2017-09-22 00:35:24  
End at: 2017-09-22 00:35:54  
Local clock offset: -0.715 ms  
Remote clock offset: -3.053 ms

# Below is generated by plot.py at 2017-09-22 06:24:19  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.20 Mbit/s  
95th percentile per-packet one-way delay: 26.991 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 60.71 Mbit/s  
95th percentile per-packet one-way delay: 27.002 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 29.97 Mbit/s  
95th percentile per-packet one-way delay: 30.977 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 47.67 Mbit/s  
95th percentile per-packet one-way delay: 24.613 ms  
Loss rate: 0.29%



Run 5: Report of Indigo-calib — Data Link

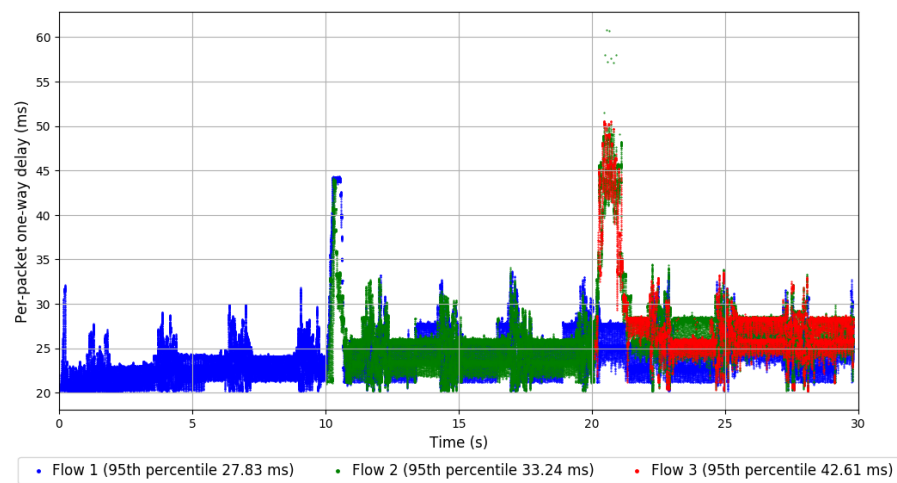
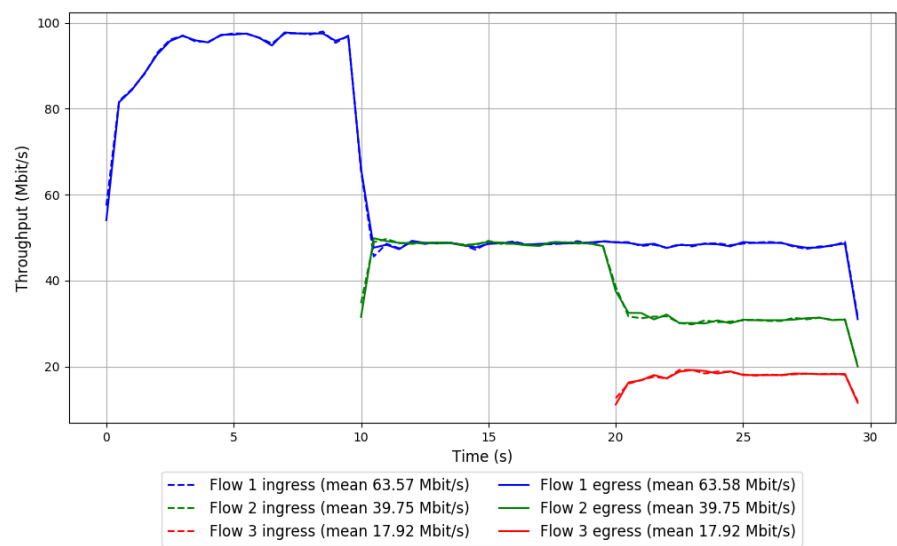


Run 6: Statistics of Indigo-calib

Start at: 2017-09-22 00:54:18  
End at: 2017-09-22 00:54:48  
Local clock offset: 0.531 ms  
Remote clock offset: -2.777 ms

# Below is generated by plot.py at 2017-09-22 06:24:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 29.710 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 63.58 Mbit/s  
95th percentile per-packet one-way delay: 27.827 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 39.75 Mbit/s  
95th percentile per-packet one-way delay: 33.239 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 17.92 Mbit/s  
95th percentile per-packet one-way delay: 42.613 ms  
Loss rate: 0.34%

Run 6: Report of Indigo-calib — Data Link

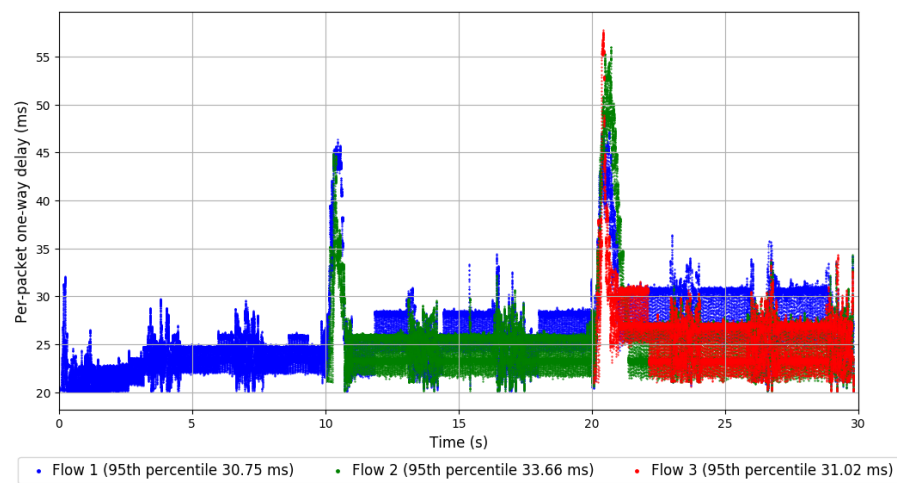
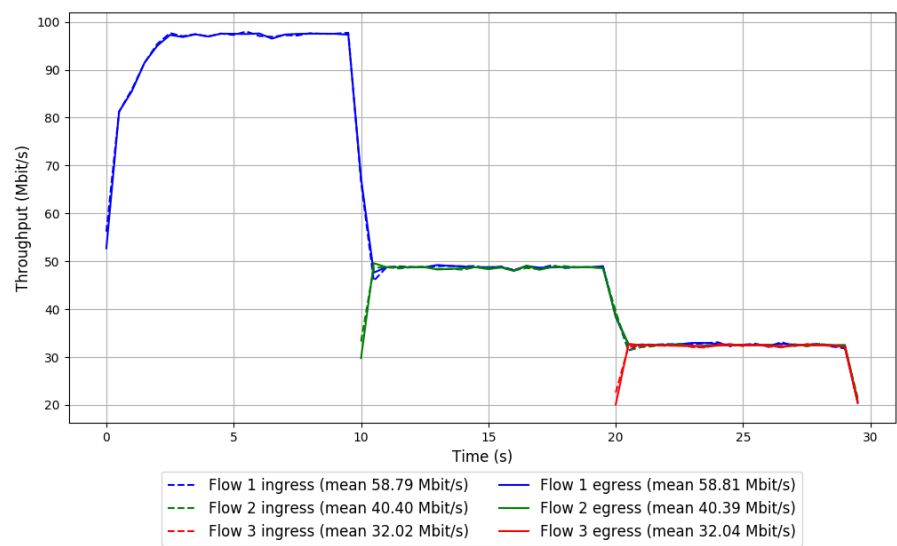


Run 7: Statistics of Indigo-calib

Start at: 2017-09-22 01:13:03  
End at: 2017-09-22 01:13:33  
Local clock offset: 1.337 ms  
Remote clock offset: -1.911 ms

# Below is generated by plot.py at 2017-09-22 06:24:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.08 Mbit/s  
95th percentile per-packet one-way delay: 30.826 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.81 Mbit/s  
95th percentile per-packet one-way delay: 30.748 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.39 Mbit/s  
95th percentile per-packet one-way delay: 33.659 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 32.04 Mbit/s  
95th percentile per-packet one-way delay: 31.015 ms  
Loss rate: 0.31%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-09-22 01:48:06

End at: 2017-09-22 01:48:36

Local clock offset: 1.076 ms

Remote clock offset: -1.43 ms

# Below is generated by plot.py at 2017-09-22 06:24:47

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 29.742 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 30.713 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 47.91 Mbit/s

95th percentile per-packet one-way delay: 27.576 ms

Loss rate: 0.15%

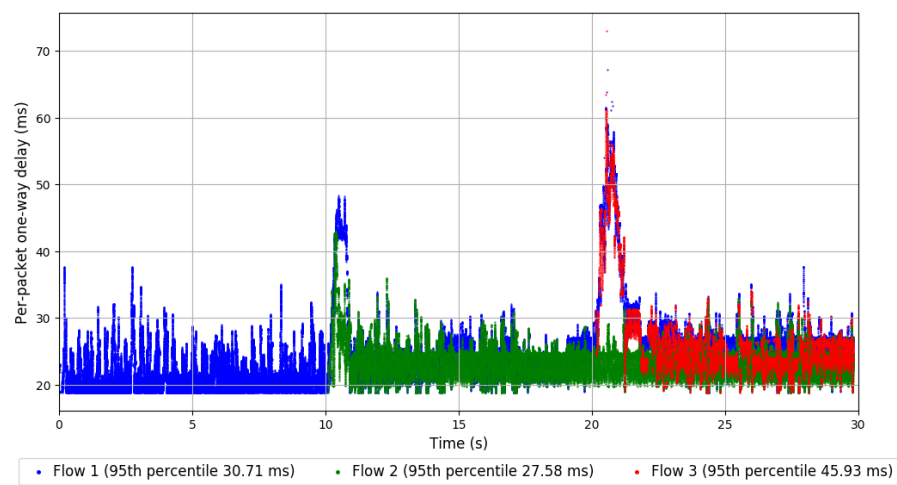
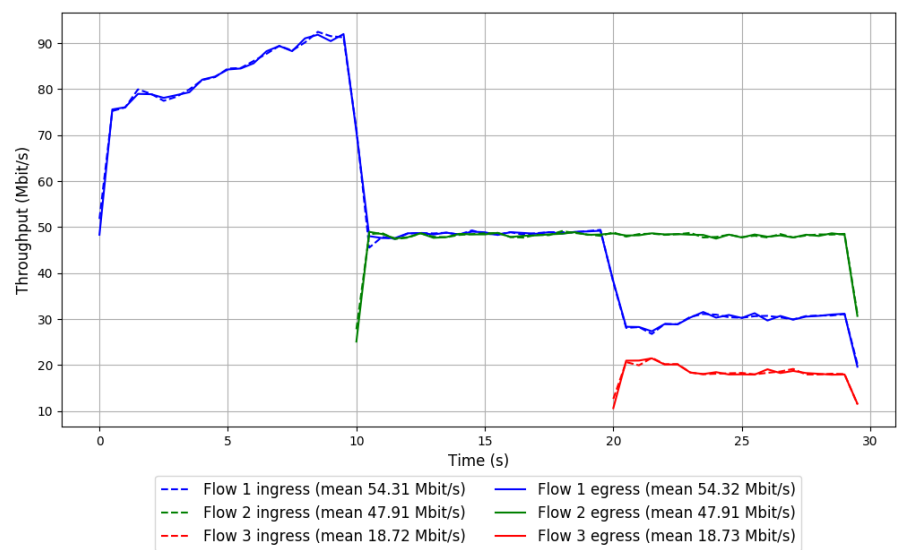
-- Flow 3:

Average throughput: 18.73 Mbit/s

95th percentile per-packet one-way delay: 45.932 ms

Loss rate: 0.26%

Run 8: Report of Indigo-calib — Data Link



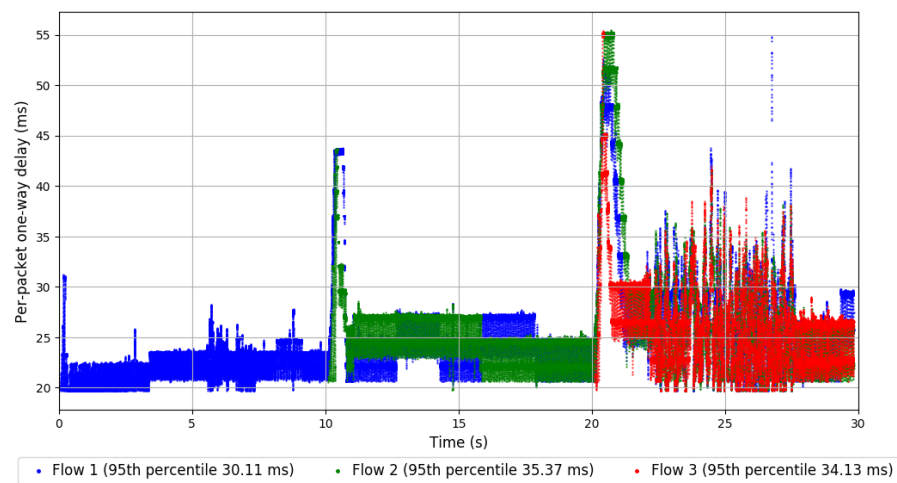
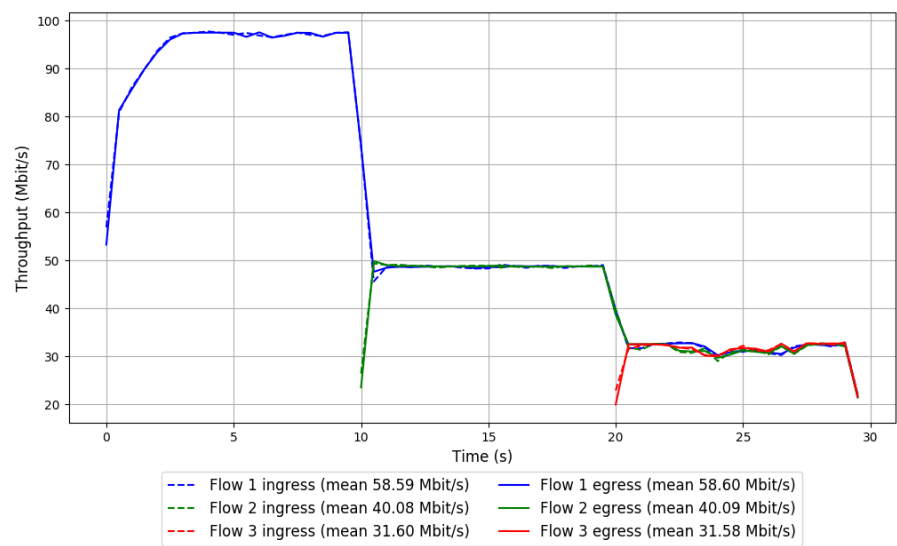
Run 9: Statistics of Indigo-calib

Start at: 2017-09-22 02:13:56  
End at: 2017-09-22 02:14:26  
Local clock offset: 1.2 ms  
Remote clock offset: -2.148 ms

# Below is generated by plot.py at 2017-09-22 06:25:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.43 Mbit/s  
95th percentile per-packet one-way delay: 32.464 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.60 Mbit/s  
95th percentile per-packet one-way delay: 30.113 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.09 Mbit/s  
95th percentile per-packet one-way delay: 35.371 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.58 Mbit/s  
95th percentile per-packet one-way delay: 34.127 ms  
Loss rate: 0.34%



Run 9: Report of Indigo-calib — Data Link

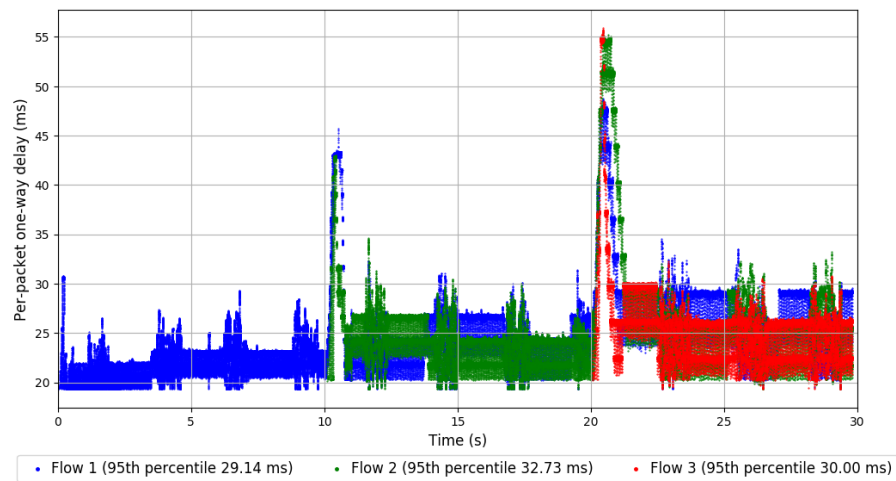
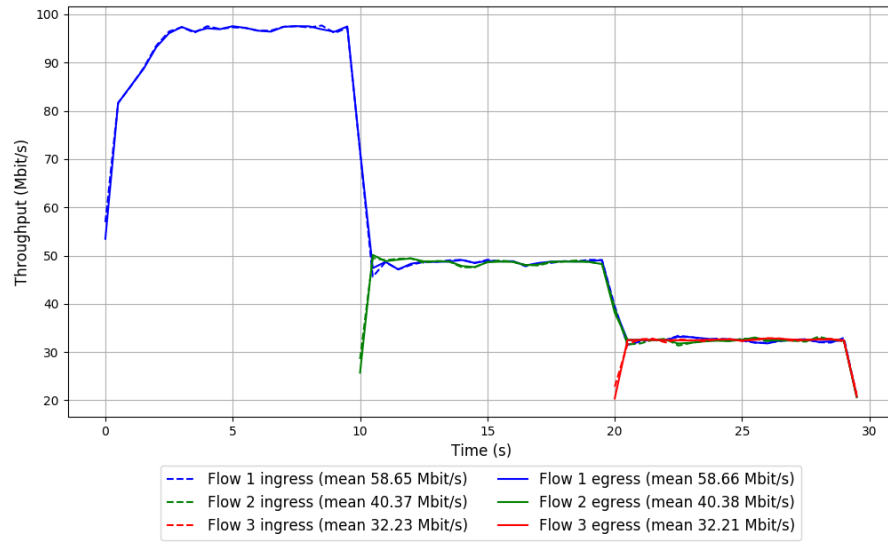


Run 10: Statistics of Indigo-calib

Start at: 2017-09-22 02:32:53  
End at: 2017-09-22 02:33:23  
Local clock offset: 0.955 ms  
Remote clock offset: -1.985 ms

# Below is generated by plot.py at 2017-09-22 06:25:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.91 Mbit/s  
95th percentile per-packet one-way delay: 29.664 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.66 Mbit/s  
95th percentile per-packet one-way delay: 29.137 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.38 Mbit/s  
95th percentile per-packet one-way delay: 32.735 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.21 Mbit/s  
95th percentile per-packet one-way delay: 29.999 ms  
Loss rate: 0.32%

## Run 10: Report of Indigo-calib — Data Link

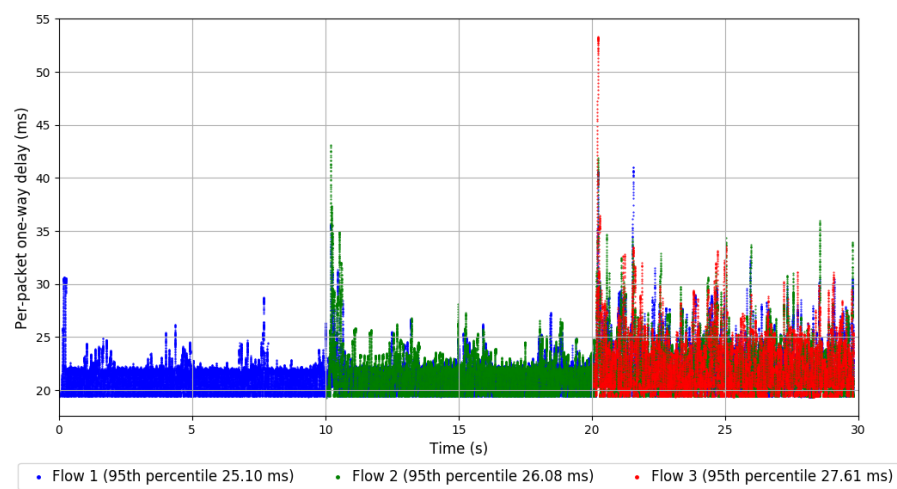
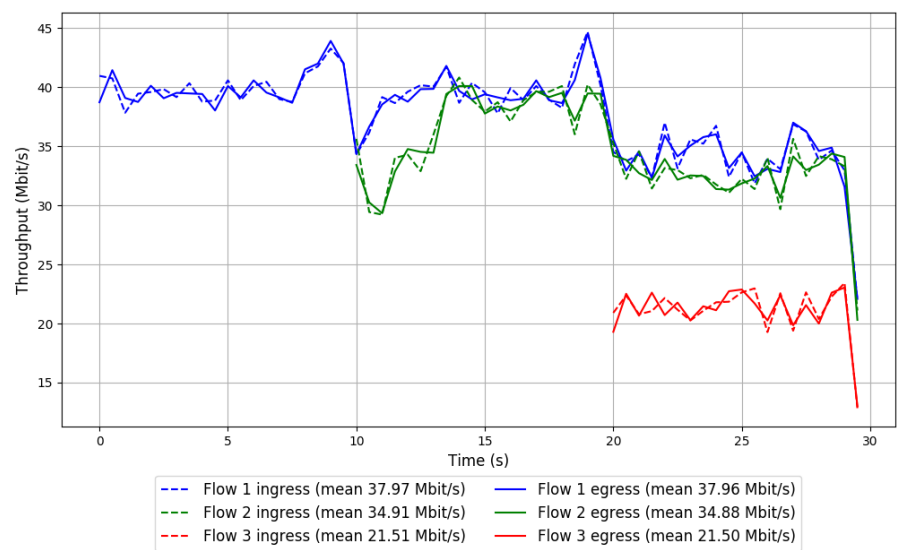


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 23:06:18
End at: 2017-09-21 23:06:48
Local clock offset: 1.299 ms
Remote clock offset: -3.8 ms

# Below is generated by plot.py at 2017-09-22 06:25:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 25.756 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 25.096 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 26.084 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 21.50 Mbit/s
95th percentile per-packet one-way delay: 27.613 ms
Loss rate: 0.32%
```

Run 1: Report of Indigo-delay — Data Link

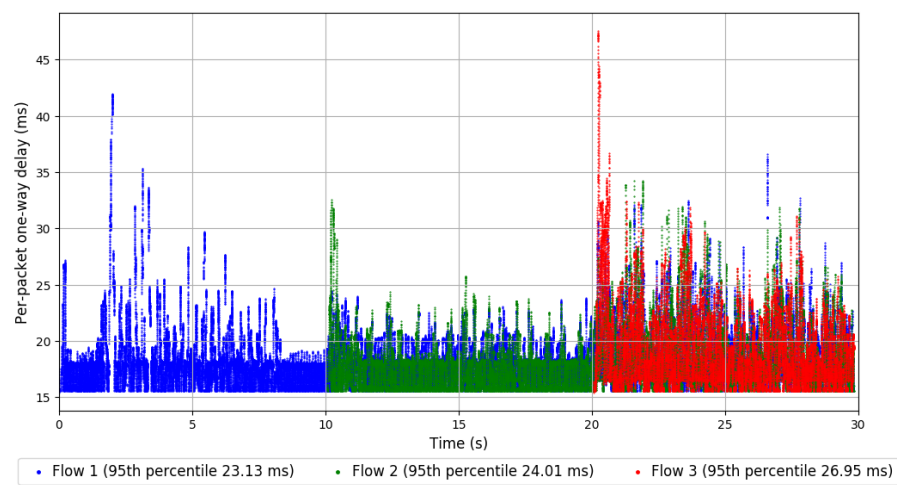
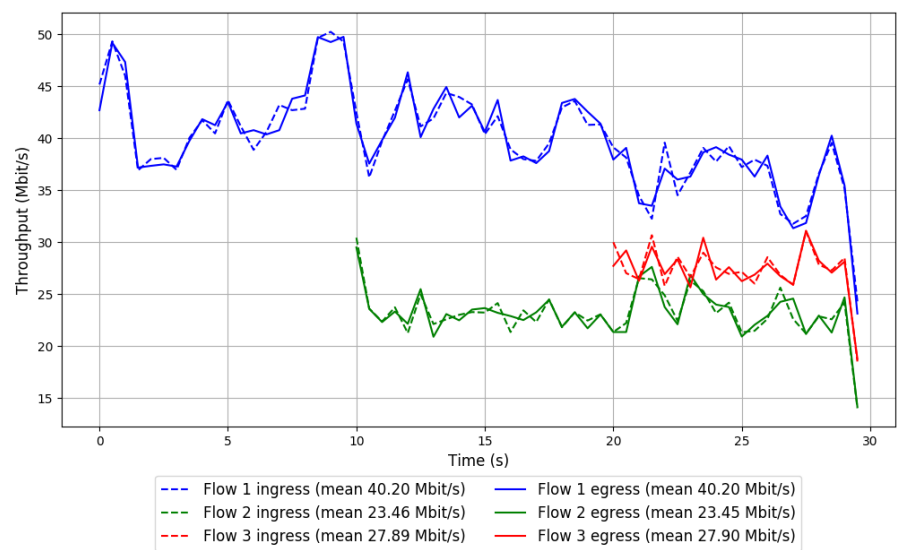


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 23:30:58
End at: 2017-09-21 23:31:28
Local clock offset: -1.347 ms
Remote clock offset: -2.589 ms

# Below is generated by plot.py at 2017-09-22 06:25:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 23.856 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 23.130 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 24.011 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 26.949 ms
Loss rate: 0.22%
```

Run 2: Report of Indigo-delay — Data Link



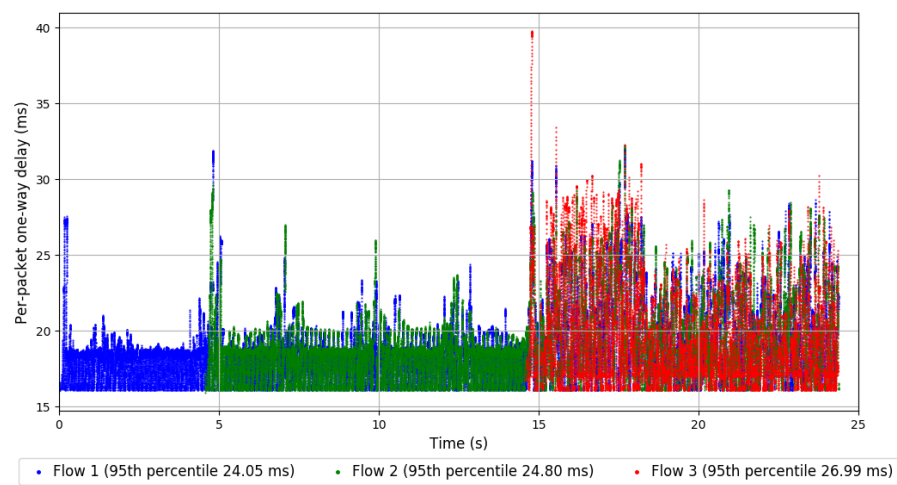
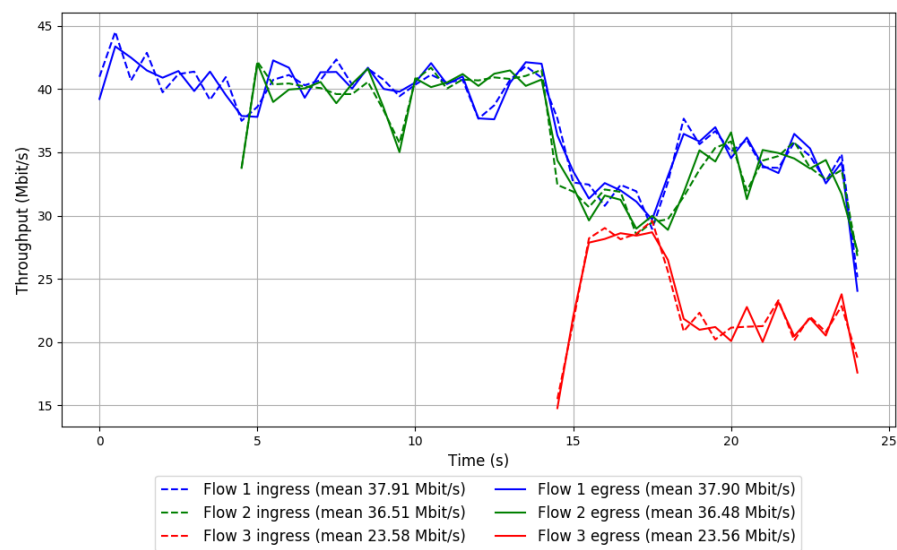
Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 23:48:21  
End at: 2017-09-21 23:48:51  
Local clock offset: -1.775 ms  
Remote clock offset: -3.391 ms

# Below is generated by plot.py at 2017-09-22 06:25:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.97 Mbit/s  
95th percentile per-packet one-way delay: 24.844 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 37.90 Mbit/s  
95th percentile per-packet one-way delay: 24.046 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 36.48 Mbit/s  
95th percentile per-packet one-way delay: 24.797 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 23.56 Mbit/s  
95th percentile per-packet one-way delay: 26.988 ms  
Loss rate: 0.37%



Run 3: Report of Indigo-delay — Data Link

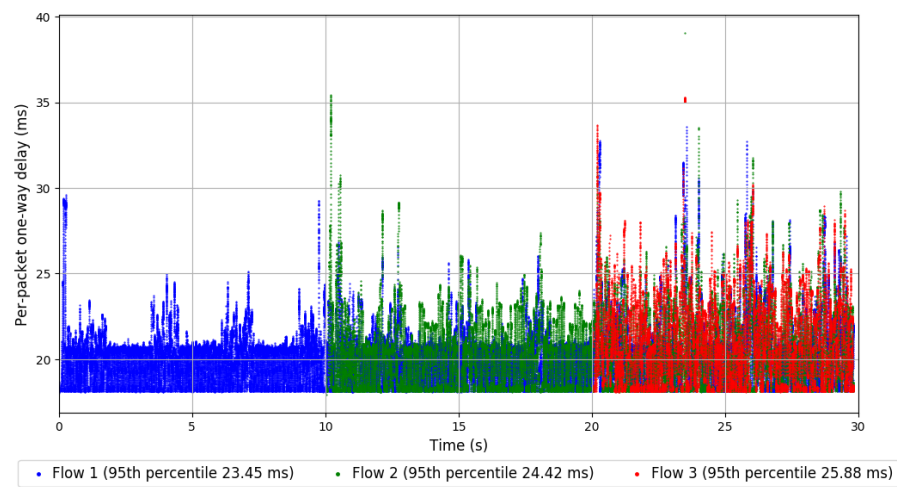
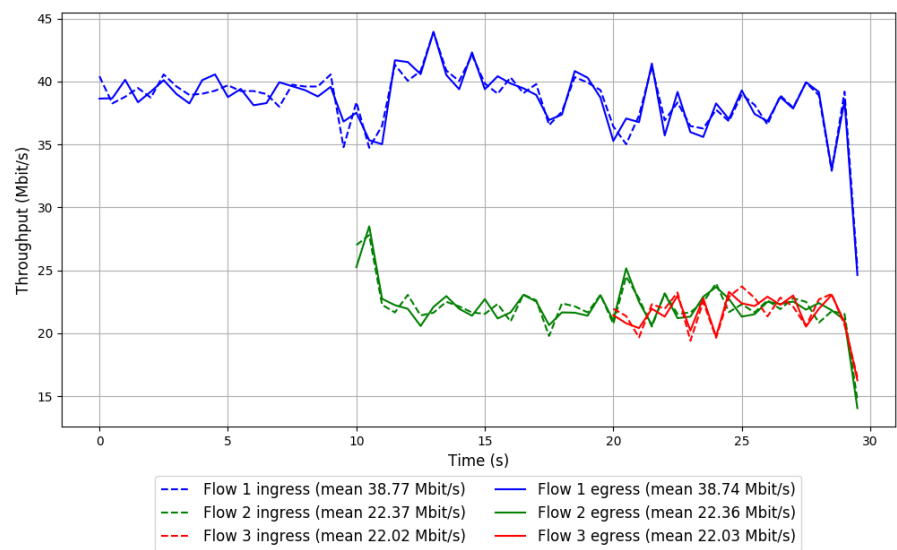


Run 4: Statistics of Indigo-delay

Start at: 2017-09-22 00:07:43  
End at: 2017-09-22 00:08:13  
Local clock offset: 0.124 ms  
Remote clock offset: -3.318 ms

# Below is generated by plot.py at 2017-09-22 06:25:23  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 60.79 Mbit/s  
95th percentile per-packet one-way delay: 24.277 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 38.74 Mbit/s  
95th percentile per-packet one-way delay: 23.455 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 22.36 Mbit/s  
95th percentile per-packet one-way delay: 24.419 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 22.03 Mbit/s  
95th percentile per-packet one-way delay: 25.882 ms  
Loss rate: 0.24%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-22 00:26:02

End at: 2017-09-22 00:26:32

Local clock offset: 0.155 ms

Remote clock offset: -3.14 ms

# Below is generated by plot.py at 2017-09-22 06:25:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.15 Mbit/s

95th percentile per-packet one-way delay: 25.752 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 36.84 Mbit/s

95th percentile per-packet one-way delay: 24.904 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: 25.645 ms

Loss rate: 0.19%

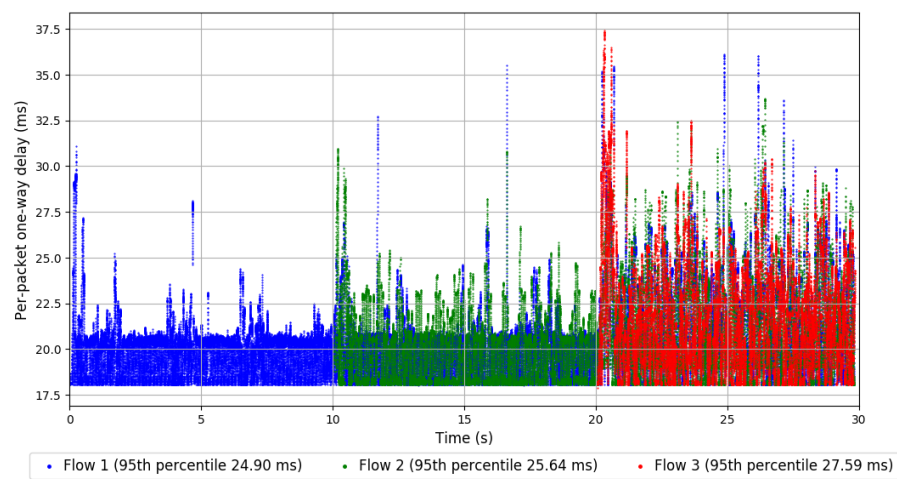
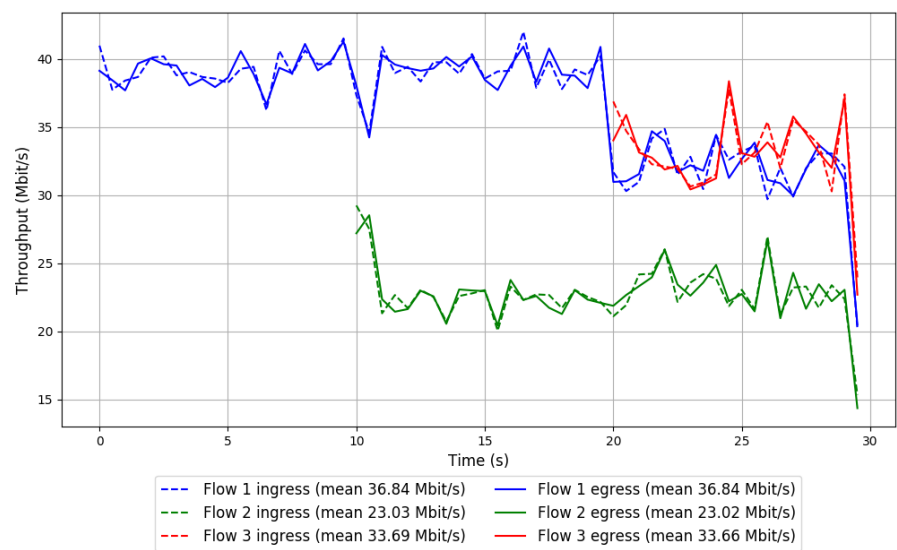
-- Flow 3:

Average throughput: 33.66 Mbit/s

95th percentile per-packet one-way delay: 27.585 ms

Loss rate: 0.32%

Run 5: Report of Indigo-delay — Data Link

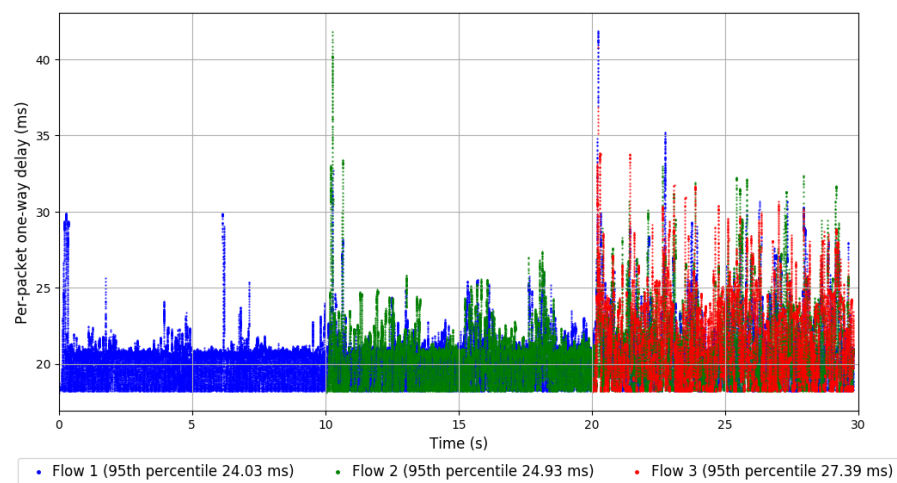
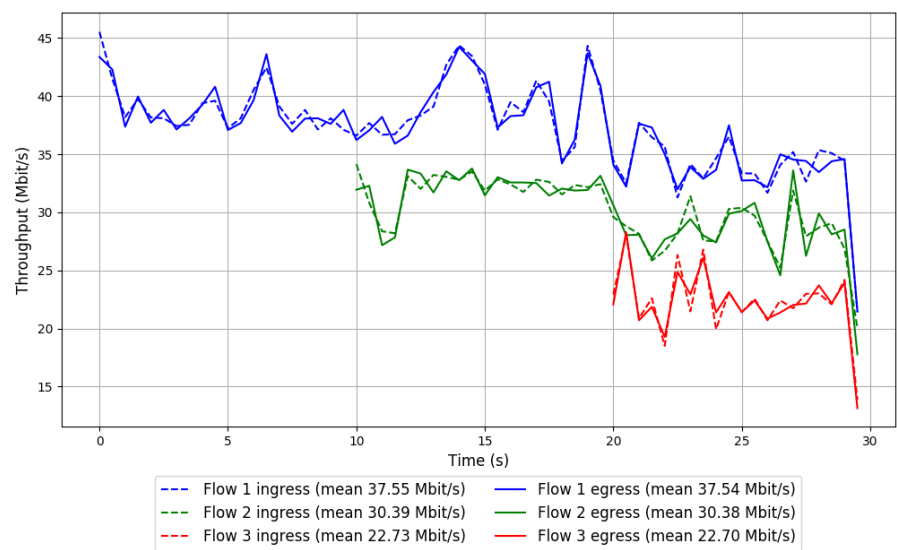


Run 6: Statistics of Indigo-delay

Start at: 2017-09-22 00:44:53  
End at: 2017-09-22 00:45:23  
Local clock offset: -0.682 ms  
Remote clock offset: -2.201 ms

# Below is generated by plot.py at 2017-09-22 06:25:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.14 Mbit/s  
95th percentile per-packet one-way delay: 24.956 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 37.54 Mbit/s  
95th percentile per-packet one-way delay: 24.032 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 30.38 Mbit/s  
95th percentile per-packet one-way delay: 24.932 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 22.70 Mbit/s  
95th percentile per-packet one-way delay: 27.385 ms  
Loss rate: 0.39%

Run 6: Report of Indigo-delay — Data Link



Run 7: Statistics of Indigo-delay

Start at: 2017-09-22 01:03:28

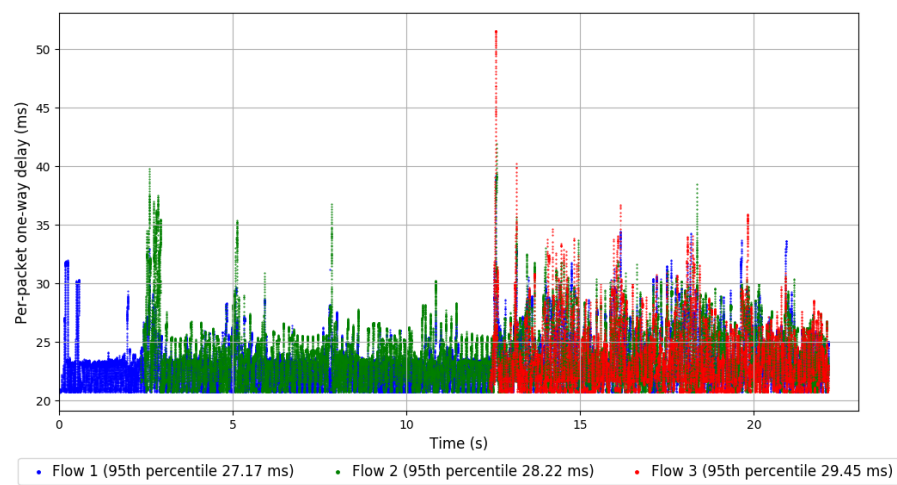
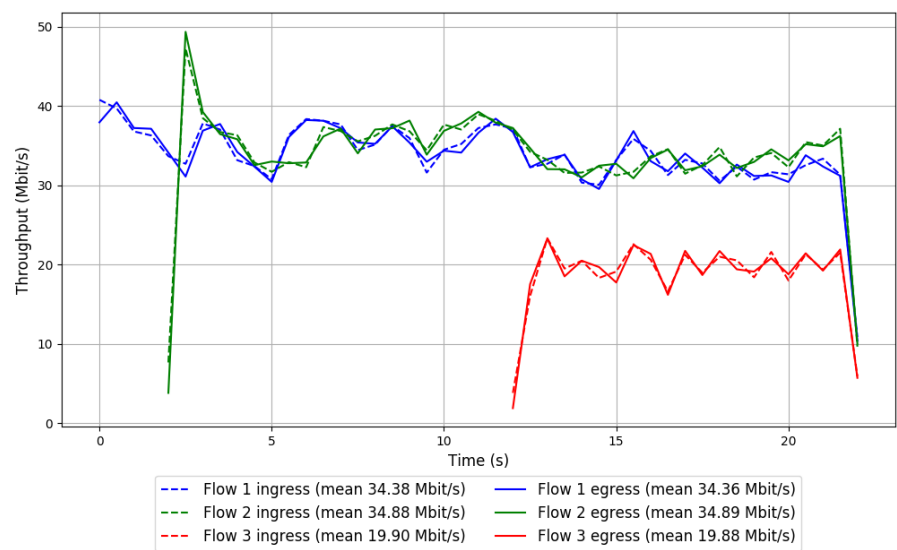
End at: 2017-09-22 01:03:58

Local clock offset: -1.906 ms

Remote clock offset: -5.65 ms



Run 7: Report of Indigo-delay — Data Link

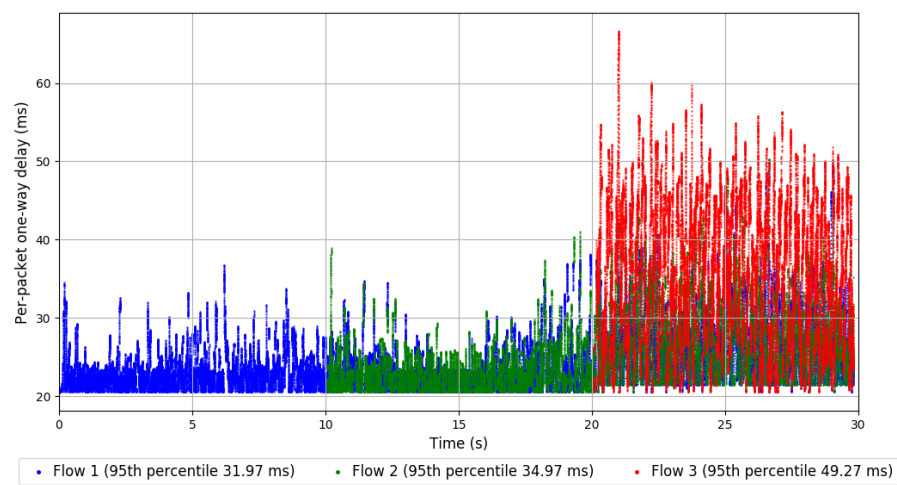
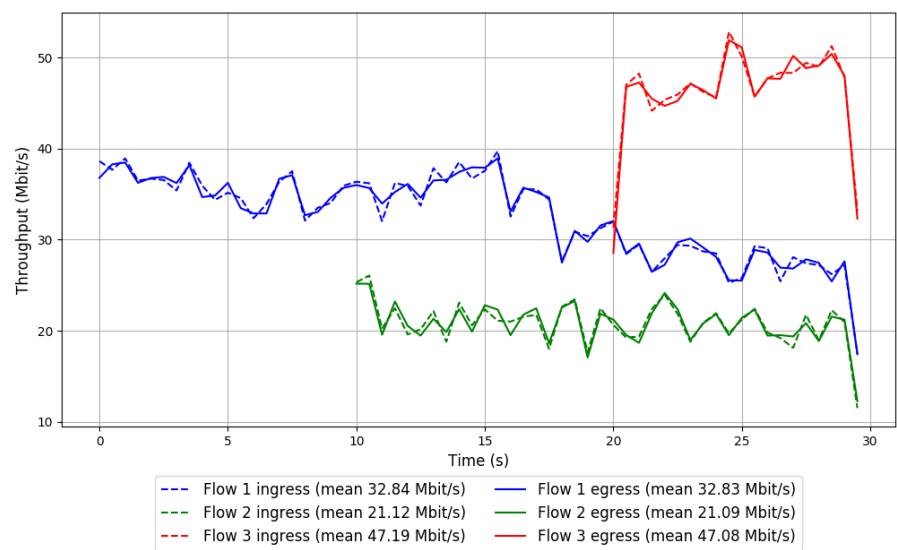


Run 8: Statistics of Indigo-delay

Start at: 2017-09-22 01:25:30  
End at: 2017-09-22 01:26:00  
Local clock offset: 1.08 ms  
Remote clock offset: -2.751 ms

# Below is generated by plot.py at 2017-09-22 06:25:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.26 Mbit/s  
95th percentile per-packet one-way delay: 44.098 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 32.83 Mbit/s  
95th percentile per-packet one-way delay: 31.966 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 21.09 Mbit/s  
95th percentile per-packet one-way delay: 34.973 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 47.08 Mbit/s  
95th percentile per-packet one-way delay: 49.269 ms  
Loss rate: 0.51%

Run 8: Report of Indigo-delay — Data Link

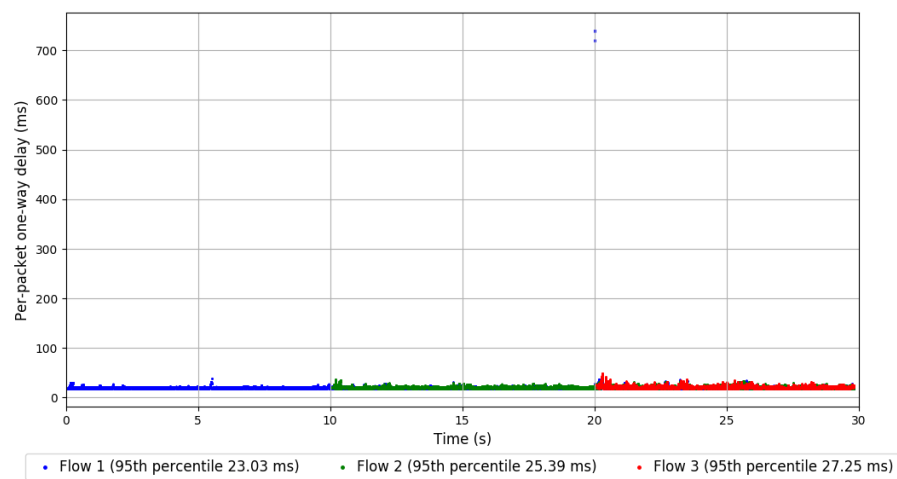
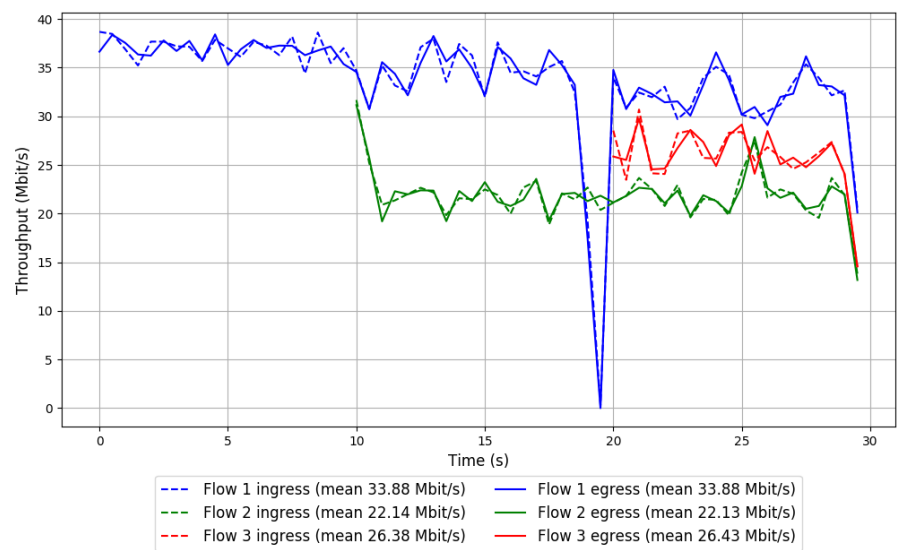


Run 9: Statistics of Indigo-delay

Start at: 2017-09-22 02:04:17  
End at: 2017-09-22 02:04:47  
Local clock offset: -0.982 ms  
Remote clock offset: -2.103 ms

# Below is generated by plot.py at 2017-09-22 06:25:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 57.20 Mbit/s  
95th percentile per-packet one-way delay: 24.640 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 33.88 Mbit/s  
95th percentile per-packet one-way delay: 23.027 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 22.13 Mbit/s  
95th percentile per-packet one-way delay: 25.385 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 26.43 Mbit/s  
95th percentile per-packet one-way delay: 27.250 ms  
Loss rate: 0.16%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-22 02:23:17  
End at: 2017-09-22 02:23:47  
Local clock offset: -0.858 ms  
Remote clock offset: -1.282 ms

# Below is generated by plot.py at 2017-09-22 06:25:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 60.84 Mbit/s  
95th percentile per-packet one-way delay: 24.698 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 34.43 Mbit/s  
95th percentile per-packet one-way delay: 23.329 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 21.76 Mbit/s  
95th percentile per-packet one-way delay: 25.073 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 36.63 Mbit/s  
95th percentile per-packet one-way delay: 26.366 ms  
Loss rate: 0.33%

Run 10: Report of Indigo-delay — Data Link

