

## Pantheon Report

Generated at 2018-06-30 19:57:16 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

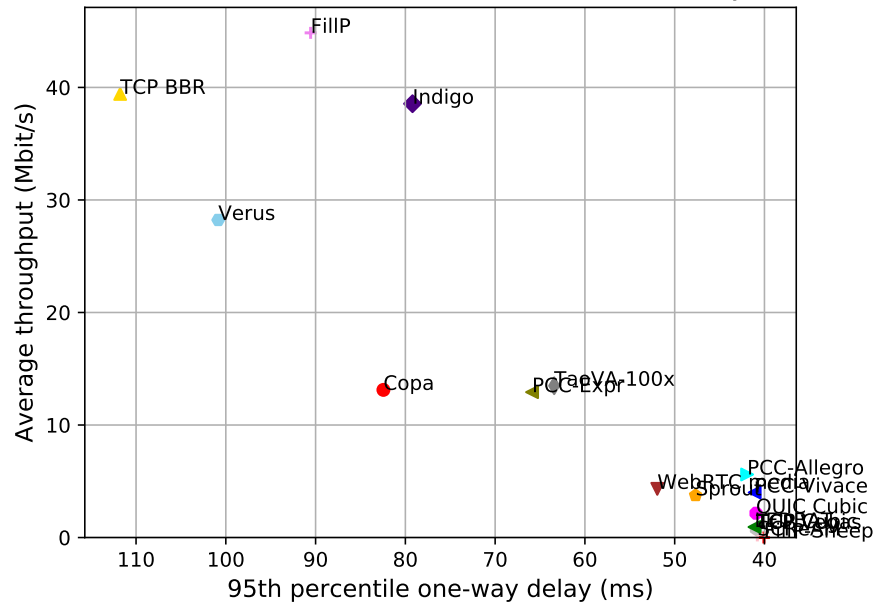
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

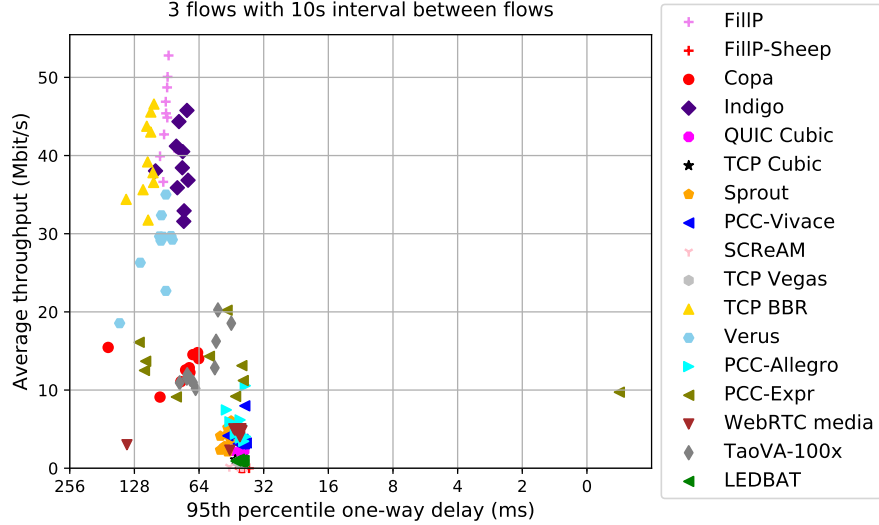
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from China to AWS Korea, 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	23.62	17.65	12.51	106.63	113.00	126.54	13.72	15.49	12.83
Copa	10	6.68	6.90	6.71	83.28	82.98	86.29	18.41	17.66	16.32
TCP Cubic	10	0.42	0.41	0.47	40.58	40.84	40.77	7.65	8.50	8.10
FillP	10	27.40	18.89	14.95	86.06	92.62	97.67	23.13	26.09	28.71
FillP-Sheep	10	0.00	0.00	0.00	40.52	40.15	39.85	0.20	0.61	3.06
Indigo	10	27.03	12.02	10.92	77.82	68.52	72.75	41.06	13.18	11.11
LEDBAT	10	0.45	0.49	0.52	41.10	40.74	41.04	8.29	7.78	8.15
PCC-Allegro	10	2.63	3.25	2.49	41.35	41.63	45.90	8.39	8.45	8.94
PCC-Expr	10	5.83	7.47	6.49	56.77	64.74	90.28	8.64	9.25	10.47
QUIC Cubic	10	1.03	1.13	1.18	40.66	40.83	41.14	7.85	8.09	8.31
SCReAM	10	0.09	0.09	0.11	40.66	40.33	40.87	3.61	4.65	5.41
Sprout	10	1.44	2.48	2.04	45.50	47.45	46.72	7.83	8.35	8.25
TaoVA-100x	10	7.62	6.04	6.00	57.98	68.63	77.29	9.86	12.04	14.71
TCP Vegas	10	0.37	0.41	0.41	40.70	40.98	41.23	8.23	7.92	9.35
Verus	10	18.57	11.25	7.08	90.68	114.24	113.81	41.95	26.67	25.07
PCC-Vivace	10	1.84	2.23	2.07	41.28	40.80	41.05	7.90	8.15	8.41
WebRTC media	10	2.39	1.47	0.48	51.70	51.77	52.49	6.17	6.36	7.36

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 14:14:06

End at: 2018-06-30 14:14:36

Local clock offset: -0.26 ms

Remote clock offset: -9.09 ms

# Below is generated by plot.py at 2018-06-30 19:52:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 37.81 Mbit/s

95th percentile per-packet one-way delay: 104.868 ms

Loss rate: 16.04%

-- Flow 1:

Average throughput: 22.56 Mbit/s

95th percentile per-packet one-way delay: 94.032 ms

Loss rate: 13.78%

-- Flow 2:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 115.865 ms

Loss rate: 20.10%

-- Flow 3:

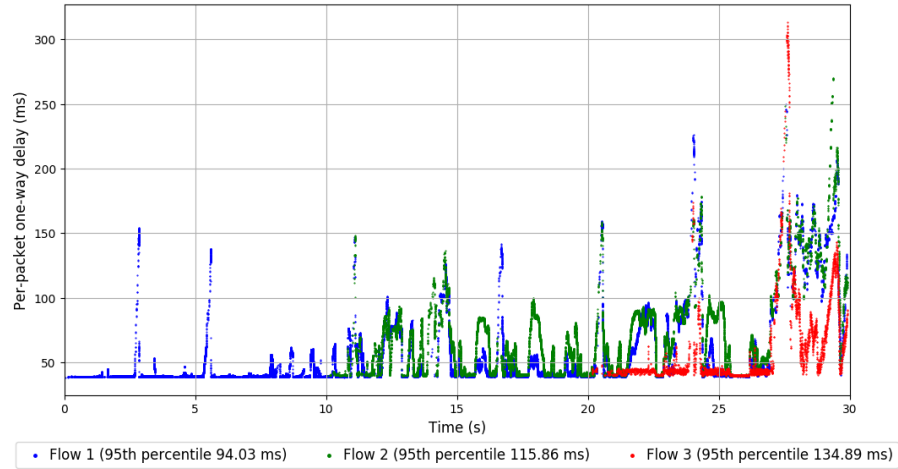
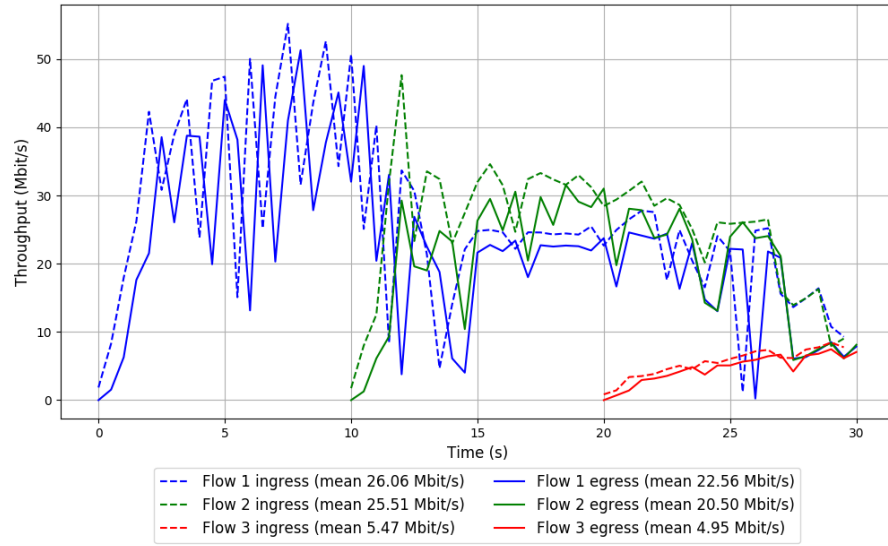
Average throughput: 4.95 Mbit/s

95th percentile per-packet one-way delay: 134.888 ms

Loss rate: 10.58%



# Run 1: Report of TCP BBR — Data Link

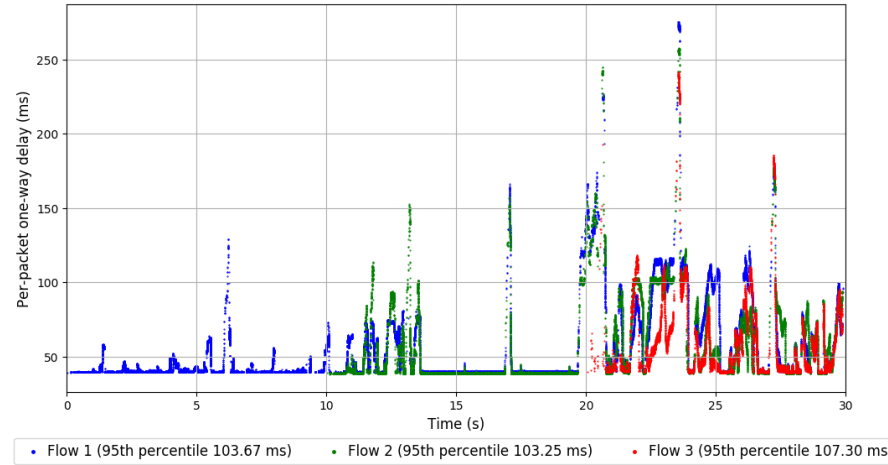
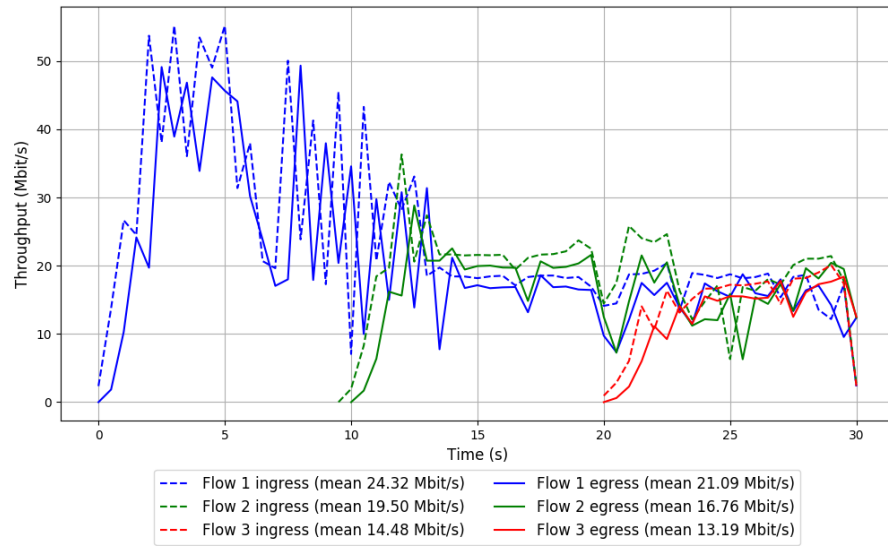


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 14:48:37  
End at: 2018-06-30 14:49:07  
Local clock offset: 0.509 ms  
Remote clock offset: -10.775 ms

# Below is generated by plot.py at 2018-06-30 19:52:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 36.56 Mbit/s  
95th percentile per-packet one-way delay: 104.182 ms  
Loss rate: 13.98%  
-- Flow 1:  
Average throughput: 21.09 Mbit/s  
95th percentile per-packet one-way delay: 103.668 ms  
Loss rate: 13.93%  
-- Flow 2:  
Average throughput: 16.76 Mbit/s  
95th percentile per-packet one-way delay: 103.252 ms  
Loss rate: 15.13%  
-- Flow 3:  
Average throughput: 13.19 Mbit/s  
95th percentile per-packet one-way delay: 107.302 ms  
Loss rate: 11.11%

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

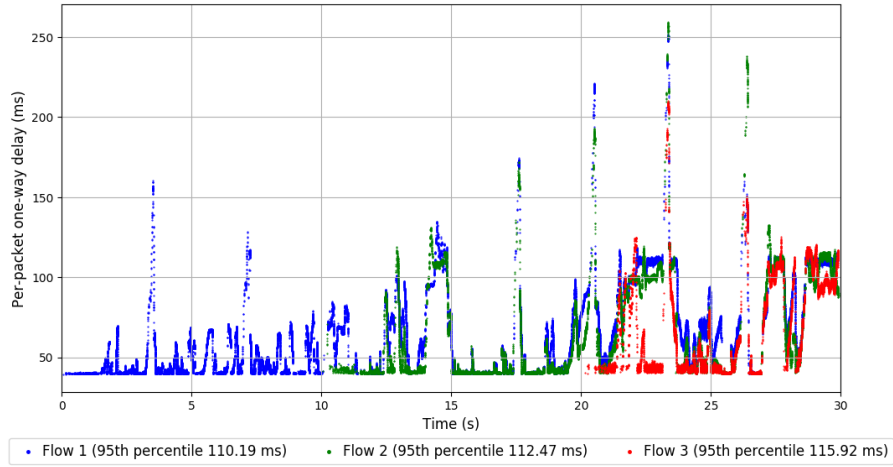
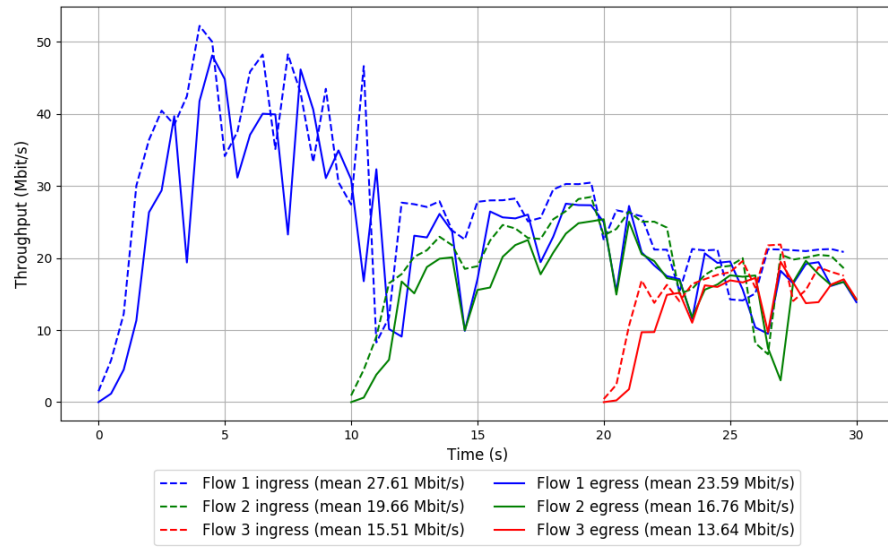


Run 3: Statistics of TCP BBR

Start at: 2018-06-30 15:22:50  
End at: 2018-06-30 15:23:20  
Local clock offset: 4.897 ms  
Remote clock offset: -11.114 ms

# Below is generated by plot.py at 2018-06-30 19:52:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 39.19 Mbit/s  
95th percentile per-packet one-way delay: 111.057 ms  
Loss rate: 14.79%  
-- Flow 1:  
Average throughput: 23.59 Mbit/s  
95th percentile per-packet one-way delay: 110.190 ms  
Loss rate: 14.91%  
-- Flow 2:  
Average throughput: 16.76 Mbit/s  
95th percentile per-packet one-way delay: 112.466 ms  
Loss rate: 15.20%  
-- Flow 3:  
Average throughput: 13.64 Mbit/s  
95th percentile per-packet one-way delay: 115.917 ms  
Loss rate: 13.08%

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

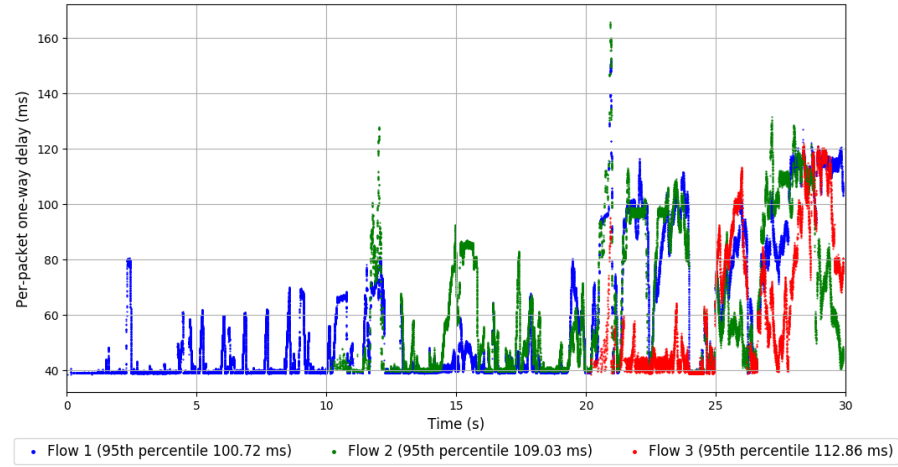
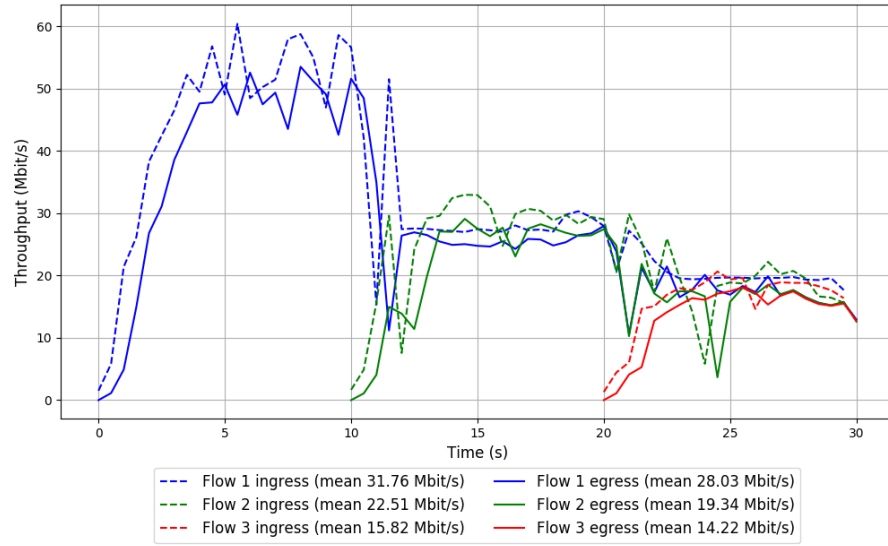


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 15:57:34  
End at: 2018-06-30 15:58:04  
Local clock offset: 6.503 ms  
Remote clock offset: -10.097 ms

# Below is generated by plot.py at 2018-06-30 19:52:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.57 Mbit/s  
95th percentile per-packet one-way delay: 107.328 ms  
Loss rate: 12.67%  
-- Flow 1:  
Average throughput: 28.03 Mbit/s  
95th percentile per-packet one-way delay: 100.722 ms  
Loss rate: 12.04%  
-- Flow 2:  
Average throughput: 19.34 Mbit/s  
95th percentile per-packet one-way delay: 109.026 ms  
Loss rate: 14.55%  
-- Flow 3:  
Average throughput: 14.22 Mbit/s  
95th percentile per-packet one-way delay: 112.862 ms  
Loss rate: 11.10%

# Run 4: Report of TCP BBR — Data Link



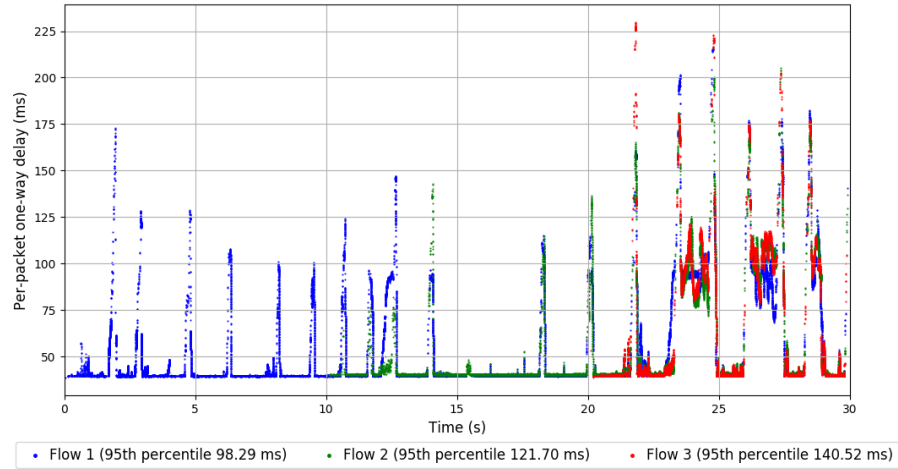
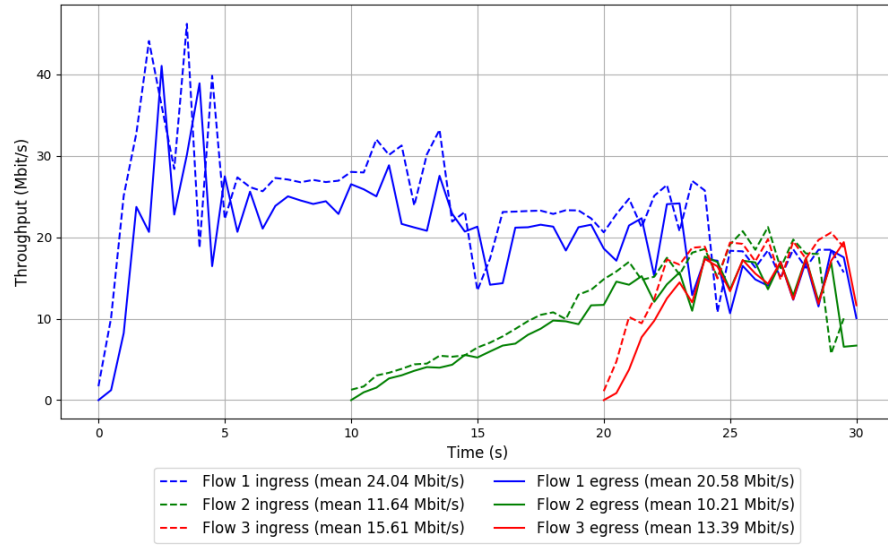
Run 5: Statistics of TCP BBR

Start at: 2018-06-30 16:30:34  
End at: 2018-06-30 16:31:04  
Local clock offset: -3.03 ms  
Remote clock offset: -9.962 ms

# Below is generated by plot.py at 2018-06-30 19:52:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 31.75 Mbit/s  
95th percentile per-packet one-way delay: 110.471 ms  
Loss rate: 14.43%  
-- Flow 1:  
Average throughput: 20.58 Mbit/s  
95th percentile per-packet one-way delay: 98.294 ms  
Loss rate: 14.70%  
-- Flow 2:  
Average throughput: 10.21 Mbit/s  
95th percentile per-packet one-way delay: 121.704 ms  
Loss rate: 12.80%  
-- Flow 3:  
Average throughput: 13.39 Mbit/s  
95th percentile per-packet one-way delay: 140.520 ms  
Loss rate: 15.61%



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

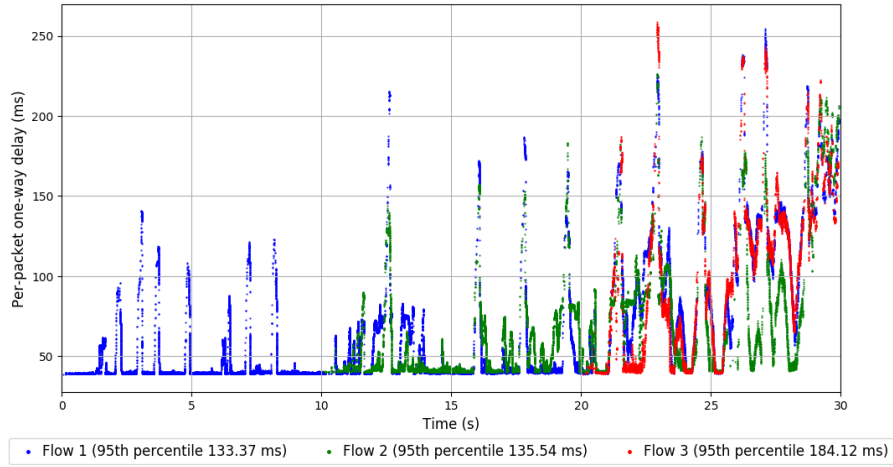
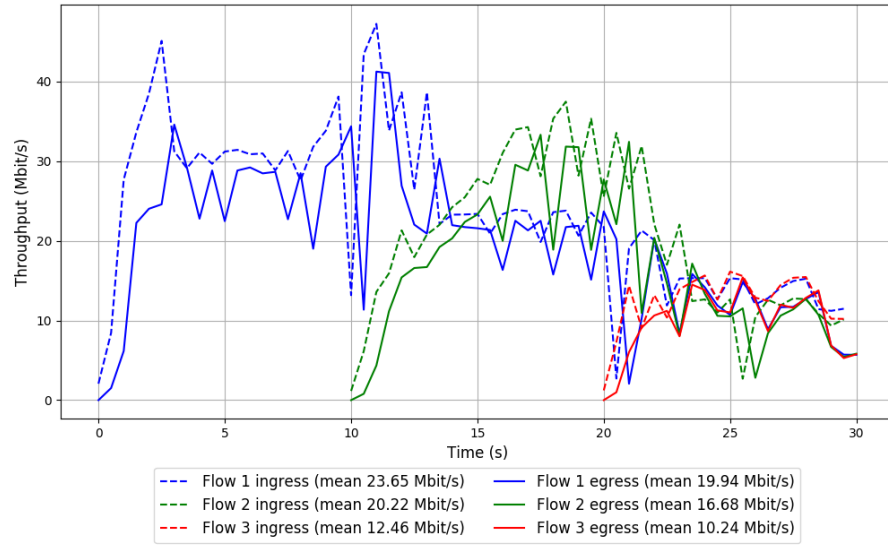


Run 6: Statistics of TCP BBR

Start at: 2018-06-30 17:03:22  
End at: 2018-06-30 17:03:52  
Local clock offset: -7.844 ms  
Remote clock offset: -10.363 ms

# Below is generated by plot.py at 2018-06-30 19:52:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 34.40 Mbit/s  
95th percentile per-packet one-way delay: 139.797 ms  
Loss rate: 16.90%  
-- Flow 1:  
Average throughput: 19.94 Mbit/s  
95th percentile per-packet one-way delay: 133.372 ms  
Loss rate: 15.98%  
-- Flow 2:  
Average throughput: 16.68 Mbit/s  
95th percentile per-packet one-way delay: 135.545 ms  
Loss rate: 17.96%  
-- Flow 3:  
Average throughput: 10.24 Mbit/s  
95th percentile per-packet one-way delay: 184.121 ms  
Loss rate: 18.73%

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

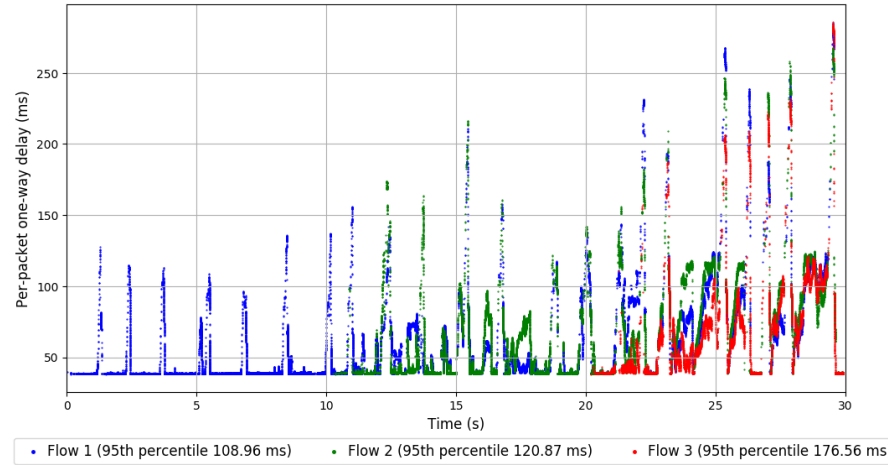
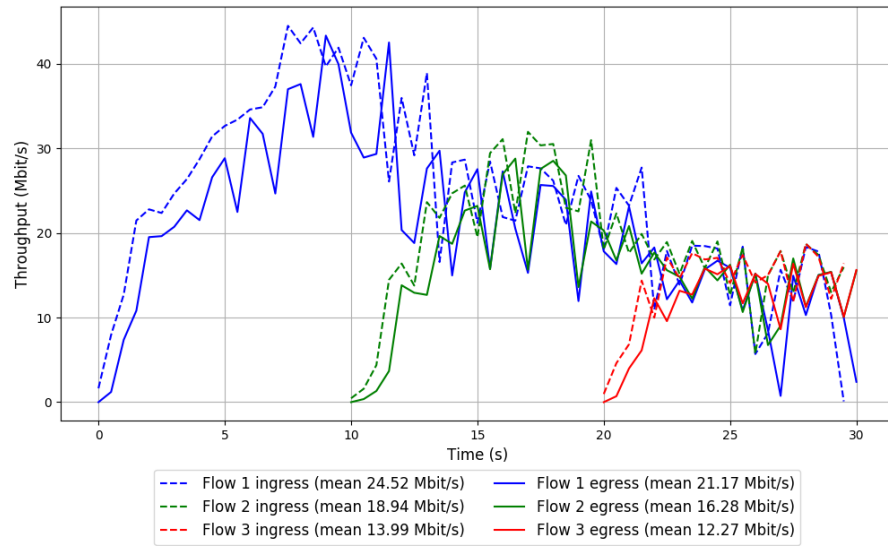


Run 7: Statistics of TCP BBR

Start at: 2018-06-30 17:36:39  
End at: 2018-06-30 17:37:09  
Local clock offset: -0.099 ms  
Remote clock offset: -7.861 ms

# Below is generated by plot.py at 2018-06-30 19:52:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 35.63 Mbit/s  
95th percentile per-packet one-way delay: 116.638 ms  
Loss rate: 14.54%  
-- Flow 1:  
Average throughput: 21.17 Mbit/s  
95th percentile per-packet one-way delay: 108.961 ms  
Loss rate: 14.79%  
-- Flow 2:  
Average throughput: 16.28 Mbit/s  
95th percentile per-packet one-way delay: 120.870 ms  
Loss rate: 14.53%  
-- Flow 3:  
Average throughput: 12.27 Mbit/s  
95th percentile per-packet one-way delay: 176.565 ms  
Loss rate: 13.23%

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

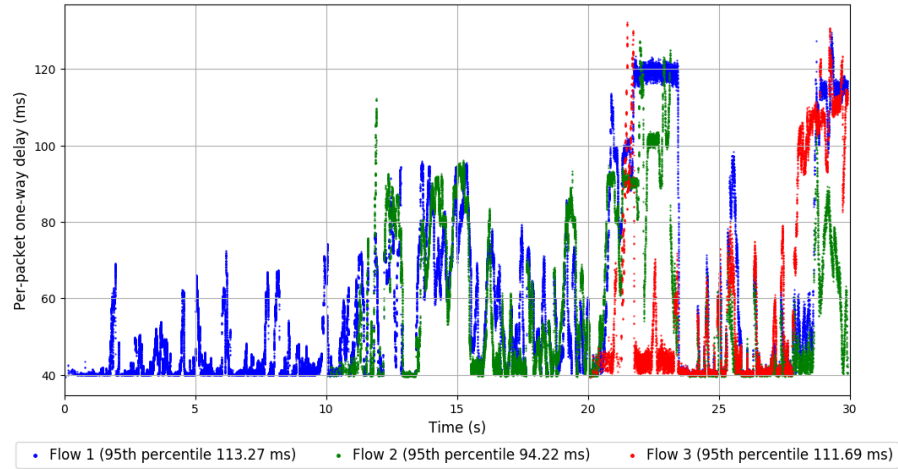
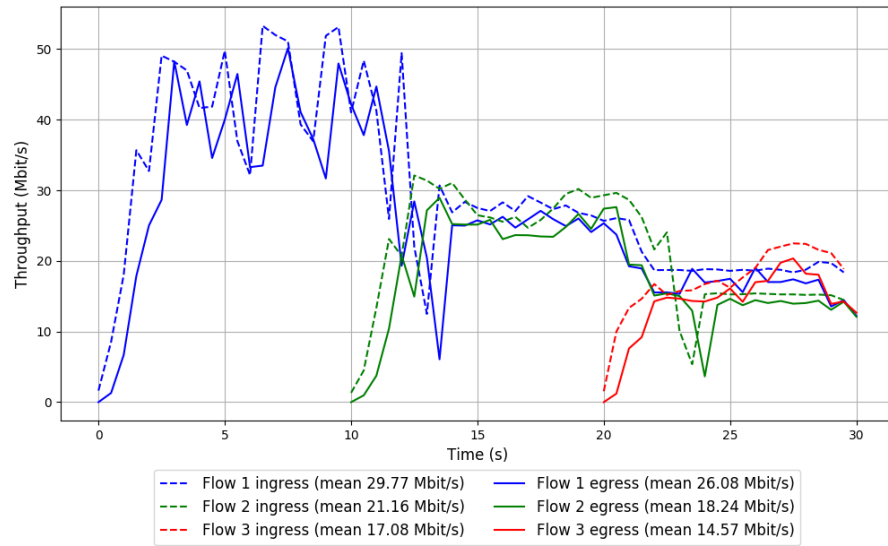


Run 8: Statistics of TCP BBR

Start at: 2018-06-30 18:10:38  
End at: 2018-06-30 18:11:08  
Local clock offset: 6.202 ms  
Remote clock offset: -7.547 ms

# Below is generated by plot.py at 2018-06-30 19:52:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 43.01 Mbit/s  
95th percentile per-packet one-way delay: 107.444 ms  
Loss rate: 13.44%  
-- Flow 1:  
Average throughput: 26.08 Mbit/s  
95th percentile per-packet one-way delay: 113.271 ms  
Loss rate: 12.63%  
-- Flow 2:  
Average throughput: 18.24 Mbit/s  
95th percentile per-packet one-way delay: 94.221 ms  
Loss rate: 14.27%  
-- Flow 3:  
Average throughput: 14.57 Mbit/s  
95th percentile per-packet one-way delay: 111.686 ms  
Loss rate: 15.61%

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



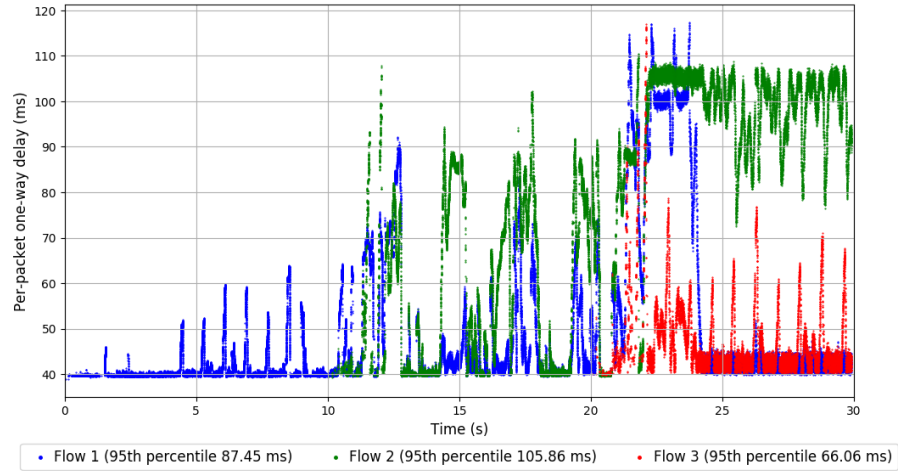
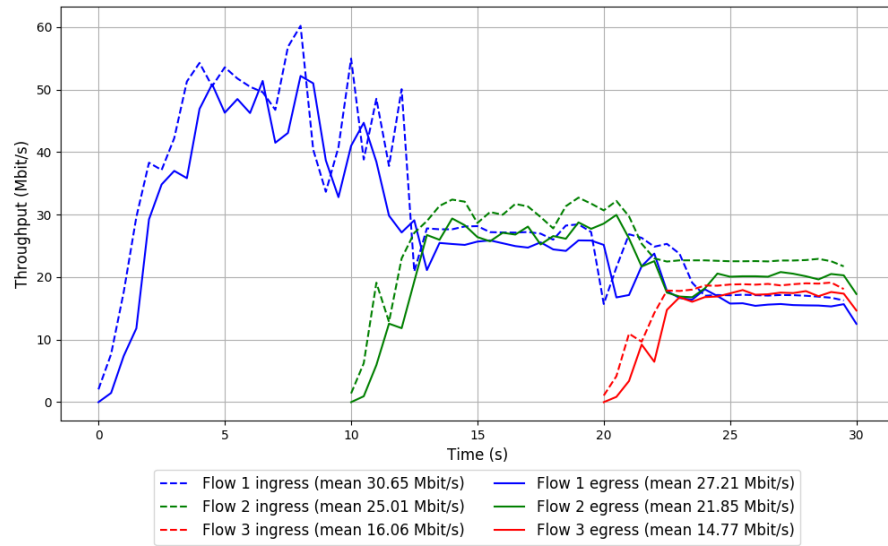
Run 9: Statistics of TCP BBR

Start at: 2018-06-30 18:43:32  
End at: 2018-06-30 18:44:02  
Local clock offset: 5.235 ms  
Remote clock offset: -8.743 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 46.59 Mbit/s  
95th percentile per-packet one-way delay: 103.790 ms  
Loss rate: 11.80%  
-- Flow 1:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 87.451 ms  
Loss rate: 11.56%  
-- Flow 2:  
Average throughput: 21.85 Mbit/s  
95th percentile per-packet one-way delay: 105.860 ms  
Loss rate: 13.13%  
-- Flow 3:  
Average throughput: 14.77 Mbit/s  
95th percentile per-packet one-way delay: 66.061 ms  
Loss rate: 9.04%



# Run 9: Report of TCP BBR — Data Link

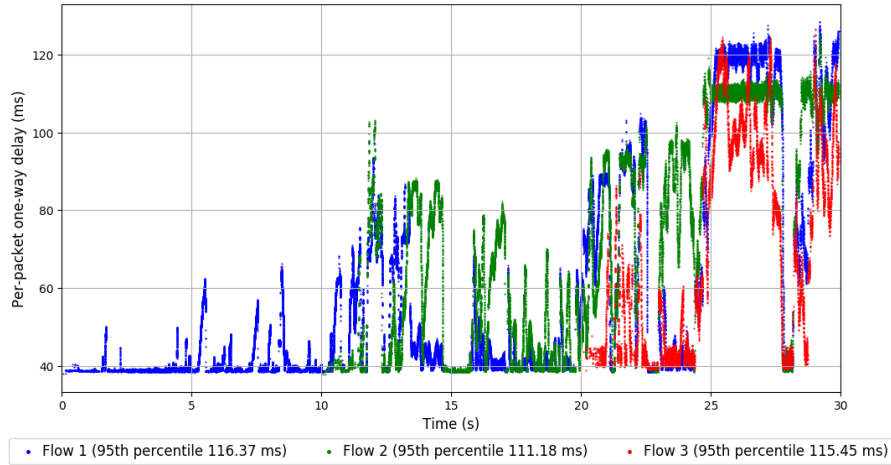
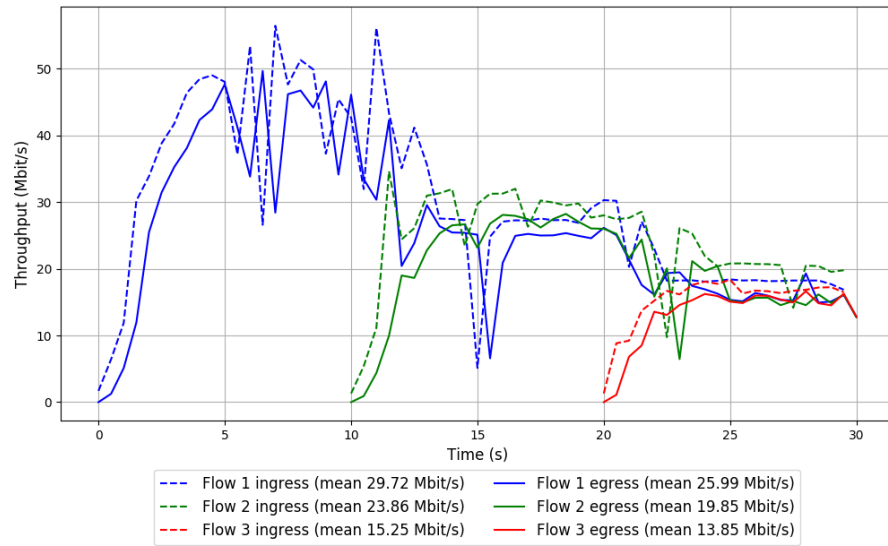


Run 10: Statistics of TCP BBR

Start at: 2018-06-30 19:18:42  
End at: 2018-06-30 19:19:12  
Local clock offset: 2.043 ms  
Remote clock offset: -8.559 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 43.75 Mbit/s  
95th percentile per-packet one-way delay: 112.120 ms  
Loss rate: 13.96%  
-- Flow 1:  
Average throughput: 25.99 Mbit/s  
95th percentile per-packet one-way delay: 116.366 ms  
Loss rate: 12.84%  
-- Flow 2:  
Average throughput: 19.85 Mbit/s  
95th percentile per-packet one-way delay: 111.183 ms  
Loss rate: 17.24%  
-- Flow 3:  
Average throughput: 13.85 Mbit/s  
95th percentile per-packet one-way delay: 115.453 ms  
Loss rate: 10.23%

# Run 10: Report of TCP BBR — Data Link

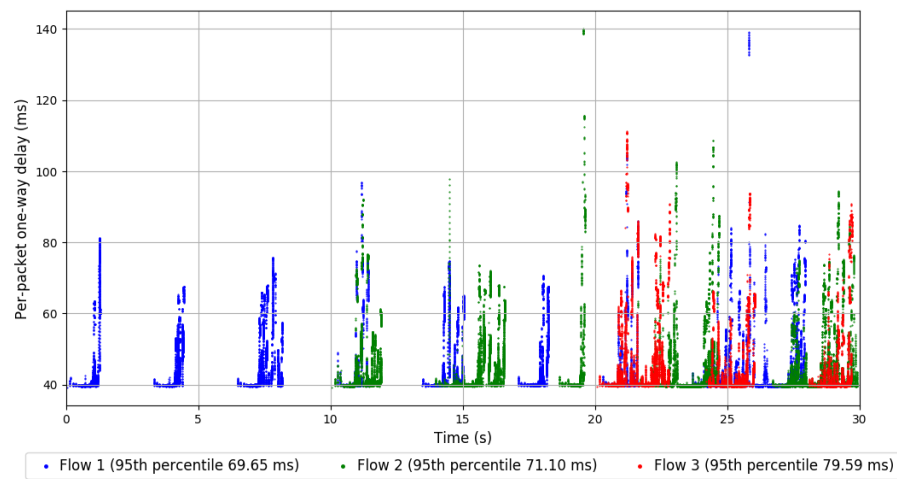
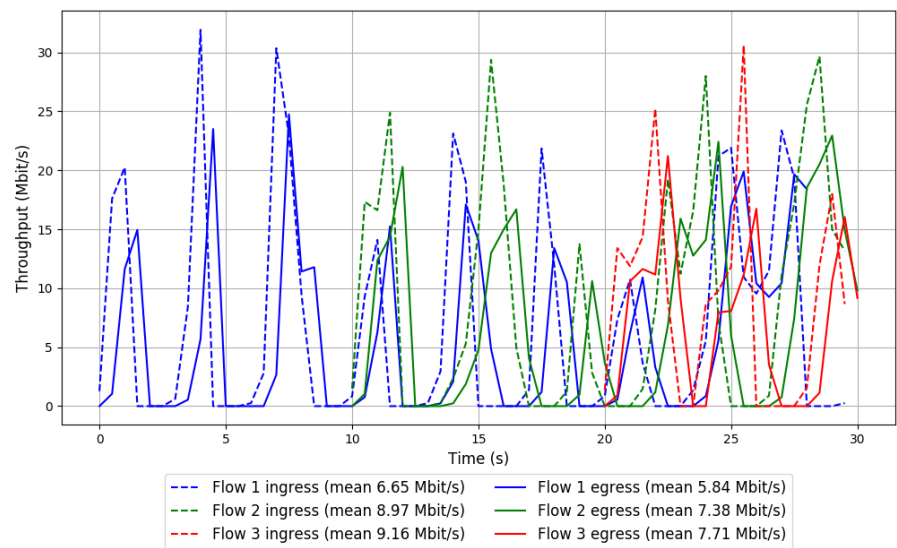


Run 1: Statistics of Copa

Start at: 2018-06-30 14:10:36  
End at: 2018-06-30 14:11:06  
Local clock offset: 0.213 ms  
Remote clock offset: -8.554 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 12.86 Mbit/s  
95th percentile per-packet one-way delay: 71.077 ms  
Loss rate: 17.66%  
-- Flow 1:  
Average throughput: 5.84 Mbit/s  
95th percentile per-packet one-way delay: 69.646 ms  
Loss rate: 18.14%  
-- Flow 2:  
Average throughput: 7.38 Mbit/s  
95th percentile per-packet one-way delay: 71.103 ms  
Loss rate: 18.23%  
-- Flow 3:  
Average throughput: 7.71 Mbit/s  
95th percentile per-packet one-way delay: 79.593 ms  
Loss rate: 15.44%

Run 1: Report of Copa — Data Link

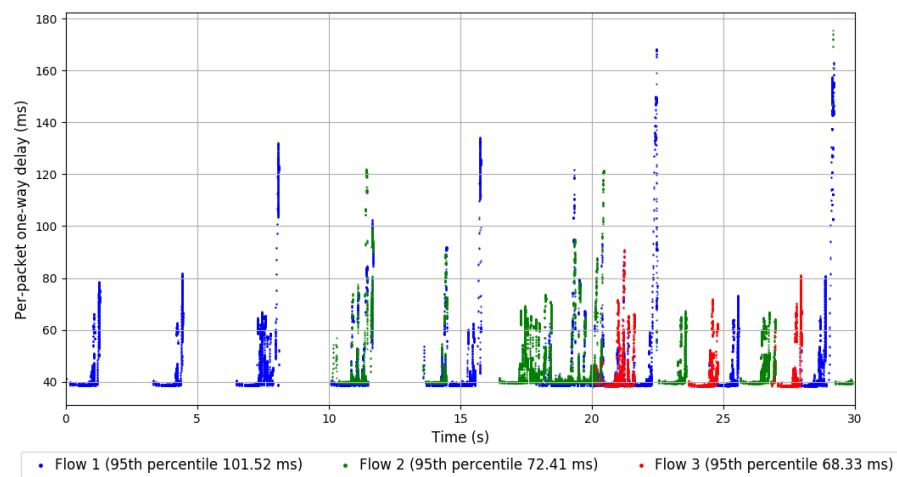
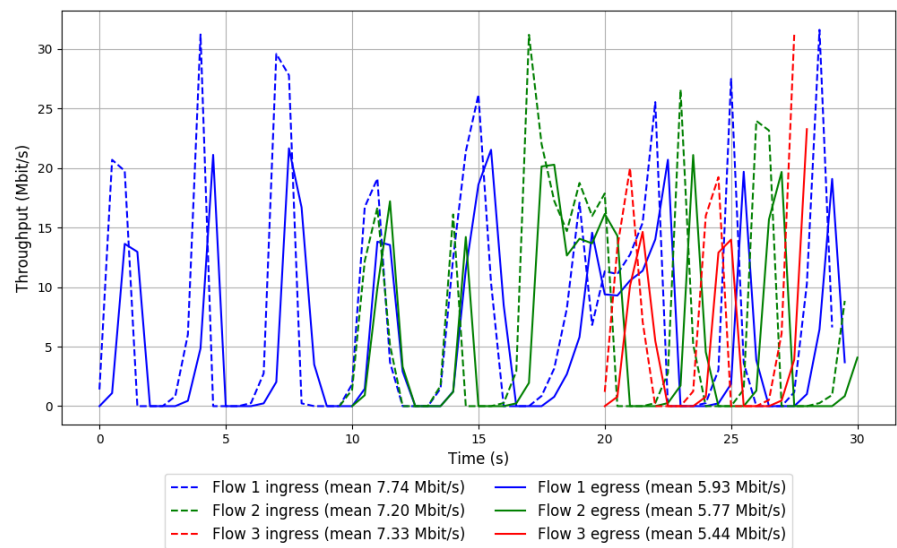


Run 2: Statistics of Copa

Start at: 2018-06-30 14:45:18  
End at: 2018-06-30 14:45:48  
Local clock offset: -1.19 ms  
Remote clock offset: -10.697 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 11.08 Mbit/s  
95th percentile per-packet one-way delay: 77.773 ms  
Loss rate: 22.43%  
-- Flow 1:  
Average throughput: 5.93 Mbit/s  
95th percentile per-packet one-way delay: 101.522 ms  
Loss rate: 23.06%  
-- Flow 2:  
Average throughput: 5.77 Mbit/s  
95th percentile per-packet one-way delay: 72.411 ms  
Loss rate: 20.20%  
-- Flow 3:  
Average throughput: 5.44 Mbit/s  
95th percentile per-packet one-way delay: 68.335 ms  
Loss rate: 25.51%

Run 2: Report of Copa — Data Link



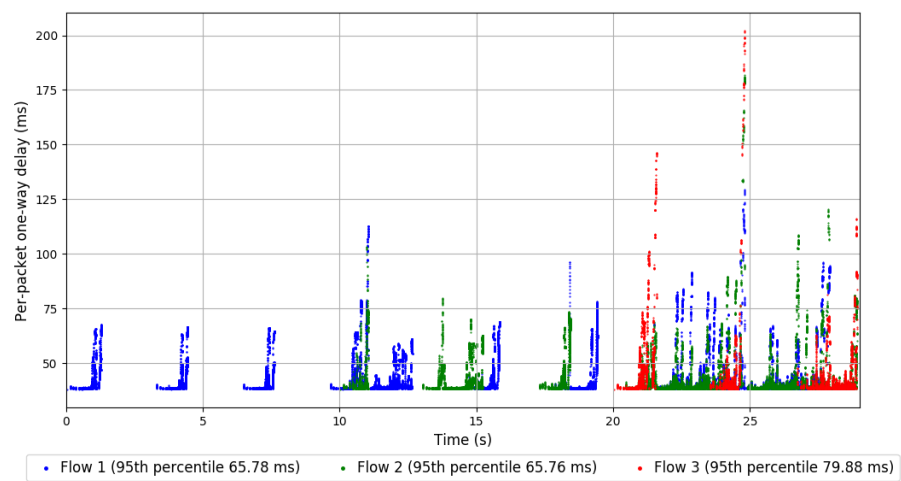
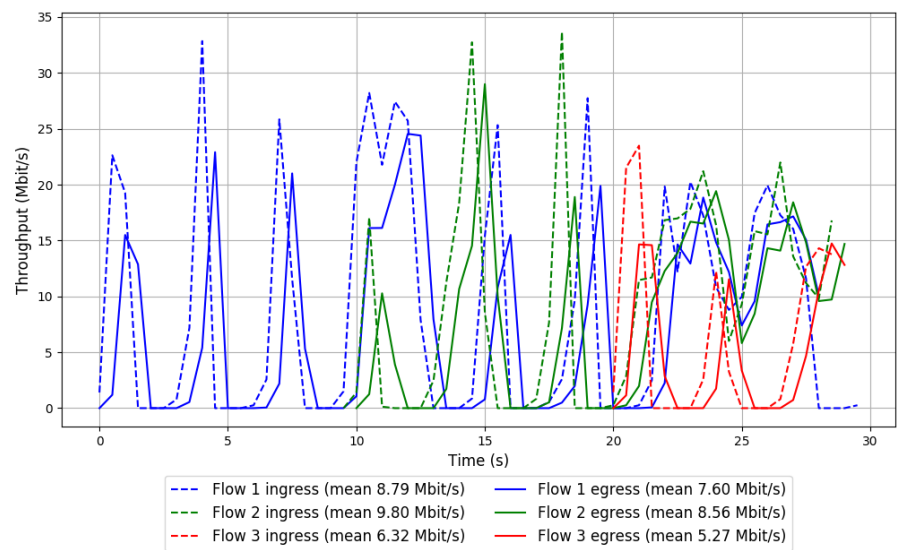
Run 3: Statistics of Copa

Start at: 2018-06-30 15:19:15  
End at: 2018-06-30 15:19:45  
Local clock offset: 4.822 ms  
Remote clock offset: -11.22 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.56 Mbit/s  
95th percentile per-packet one-way delay: 66.659 ms  
Loss rate: 16.49%  
-- Flow 1:  
Average throughput: 7.60 Mbit/s  
95th percentile per-packet one-way delay: 65.780 ms  
Loss rate: 19.30%  
-- Flow 2:  
Average throughput: 8.56 Mbit/s  
95th percentile per-packet one-way delay: 65.760 ms  
Loss rate: 12.52%  
-- Flow 3:  
Average throughput: 5.27 Mbit/s  
95th percentile per-packet one-way delay: 79.875 ms  
Loss rate: 16.45%



Run 3: Report of Copa — Data Link

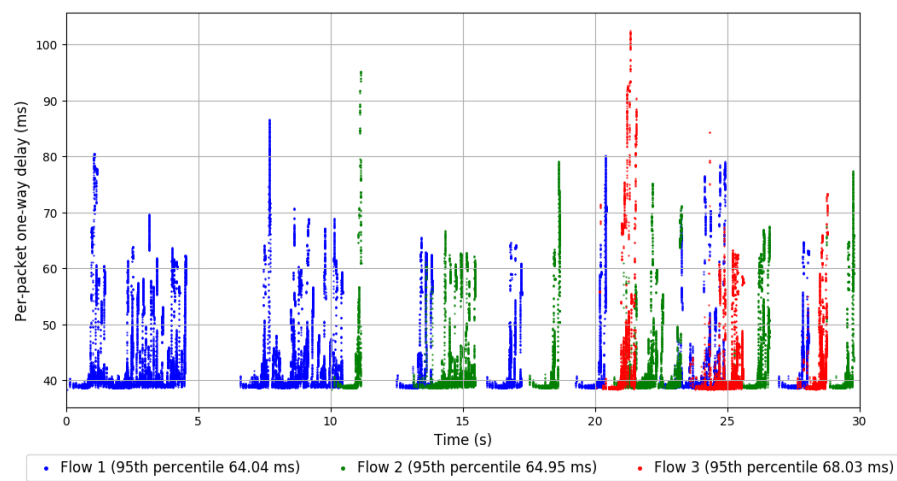
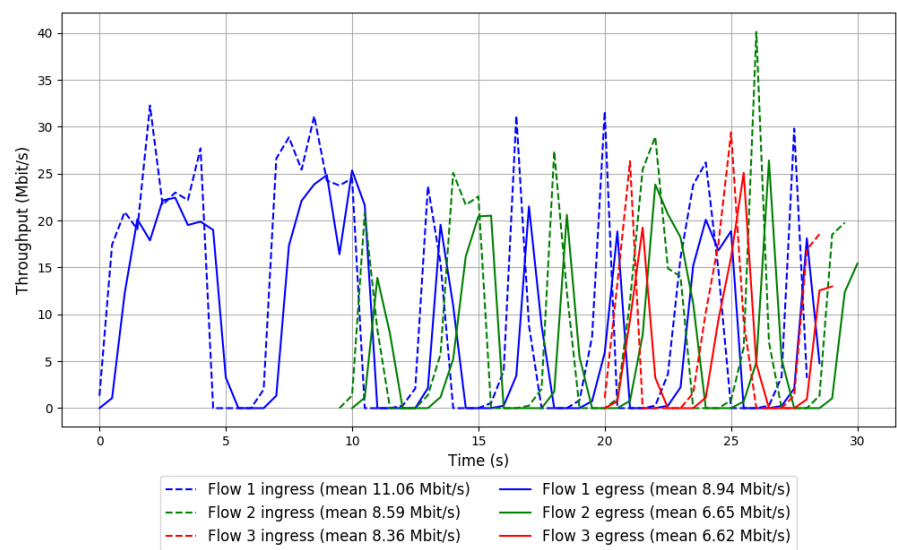


Run 4: Statistics of Copa

Start at: 2018-06-30 15:54:07  
End at: 2018-06-30 15:54:37  
Local clock offset: 6.265 ms  
Remote clock offset: -10.263 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.79 Mbit/s  
95th percentile per-packet one-way delay: 65.001 ms  
Loss rate: 20.30%  
-- Flow 1:  
Average throughput: 8.94 Mbit/s  
95th percentile per-packet one-way delay: 64.036 ms  
Loss rate: 19.06%  
-- Flow 2:  
Average throughput: 6.65 Mbit/s  
95th percentile per-packet one-way delay: 64.952 ms  
Loss rate: 22.44%  
-- Flow 3:  
Average throughput: 6.62 Mbit/s  
95th percentile per-packet one-way delay: 68.030 ms  
Loss rate: 20.62%

Run 4: Report of Copa — Data Link

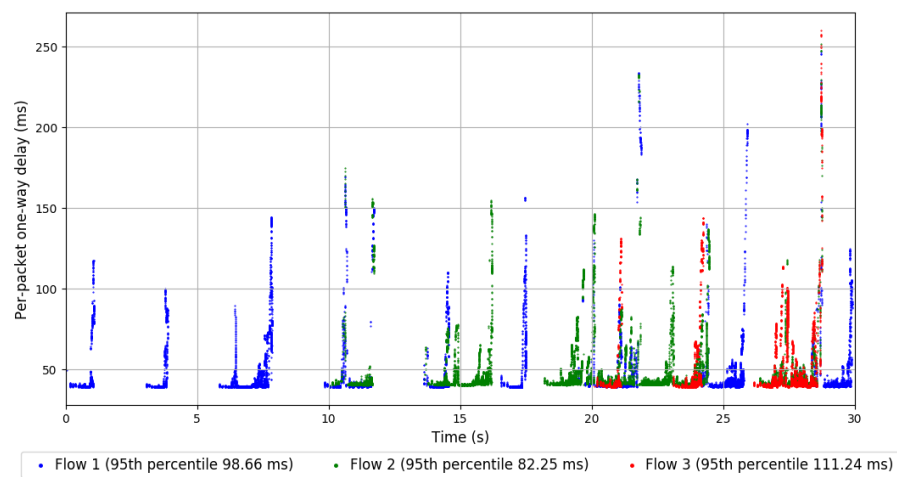
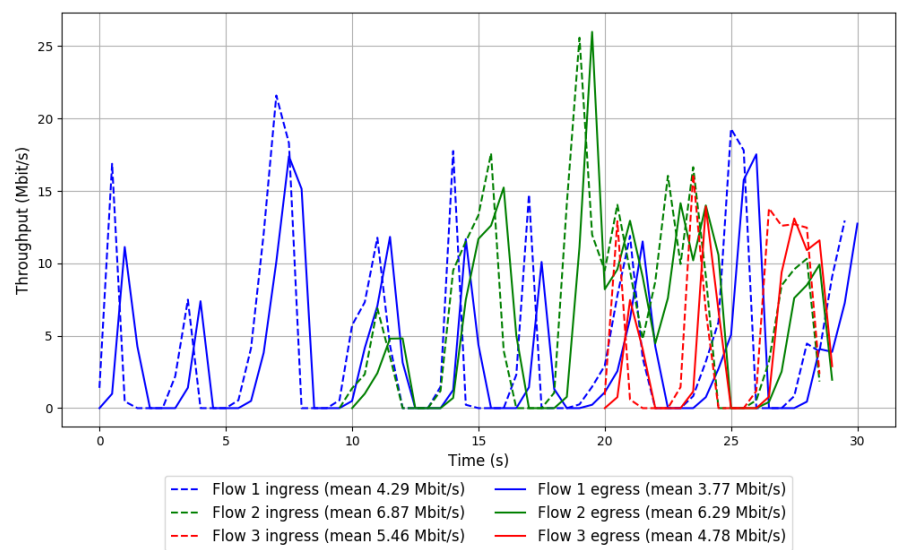


Run 5: Statistics of Copa

Start at: 2018-06-30 16:27:21  
End at: 2018-06-30 16:27:51  
Local clock offset: -1.965 ms  
Remote clock offset: -9.891 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 9.10 Mbit/s  
95th percentile per-packet one-way delay: 97.251 ms  
Loss rate: 10.59%  
-- Flow 1:  
Average throughput: 3.77 Mbit/s  
95th percentile per-packet one-way delay: 98.658 ms  
Loss rate: 12.57%  
-- Flow 2:  
Average throughput: 6.29 Mbit/s  
95th percentile per-packet one-way delay: 82.250 ms  
Loss rate: 8.16%  
-- Flow 3:  
Average throughput: 4.78 Mbit/s  
95th percentile per-packet one-way delay: 111.239 ms  
Loss rate: 11.80%

Run 5: Report of Copa — Data Link

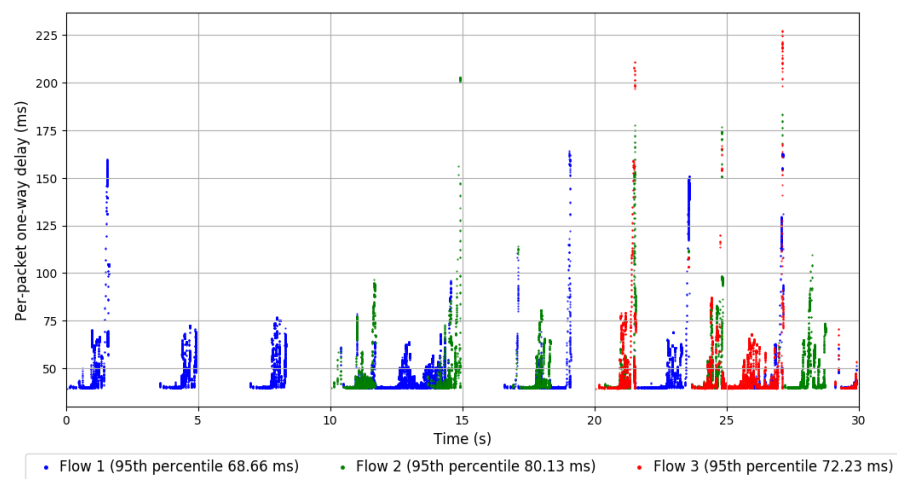
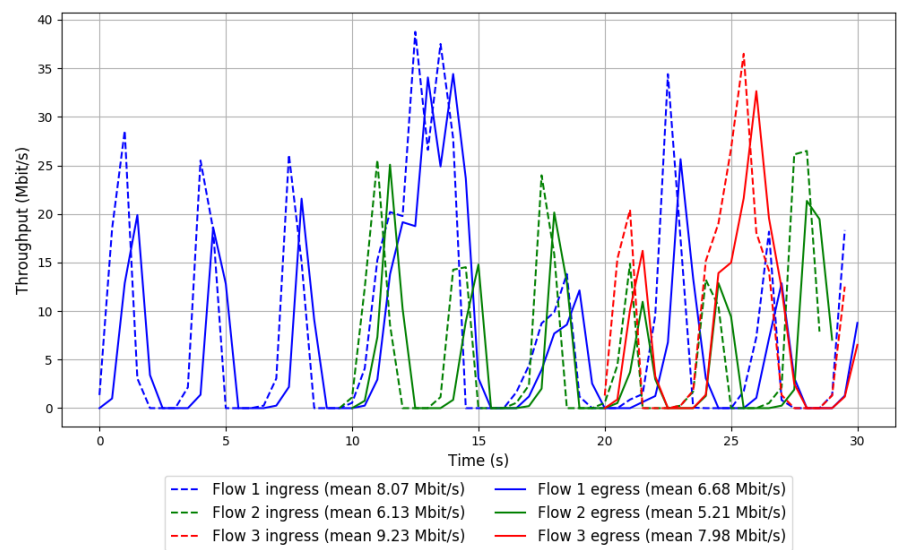


Run 6: Statistics of Copa

Start at: 2018-06-30 16:59:57  
End at: 2018-06-30 17:00:27  
Local clock offset: -7.544 ms  
Remote clock offset: -10.672 ms

# Below is generated by plot.py at 2018-06-30 19:52:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 12.58 Mbit/s  
95th percentile per-packet one-way delay: 73.912 ms  
Loss rate: 16.22%  
-- Flow 1:  
Average throughput: 6.68 Mbit/s  
95th percentile per-packet one-way delay: 68.655 ms  
Loss rate: 17.49%  
-- Flow 2:  
Average throughput: 5.21 Mbit/s  
95th percentile per-packet one-way delay: 80.133 ms  
Loss rate: 14.88%  
-- Flow 3:  
Average throughput: 7.98 Mbit/s  
95th percentile per-packet one-way delay: 72.231 ms  
Loss rate: 14.57%

Run 6: Report of Copa — Data Link



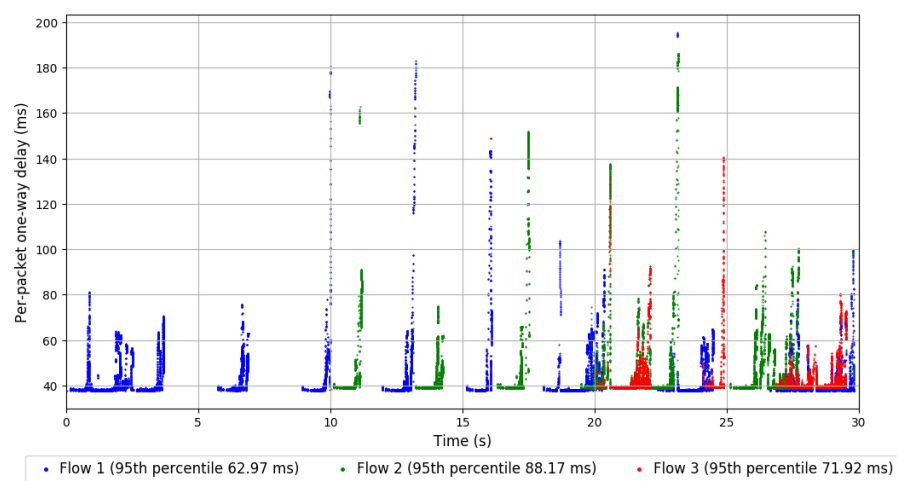
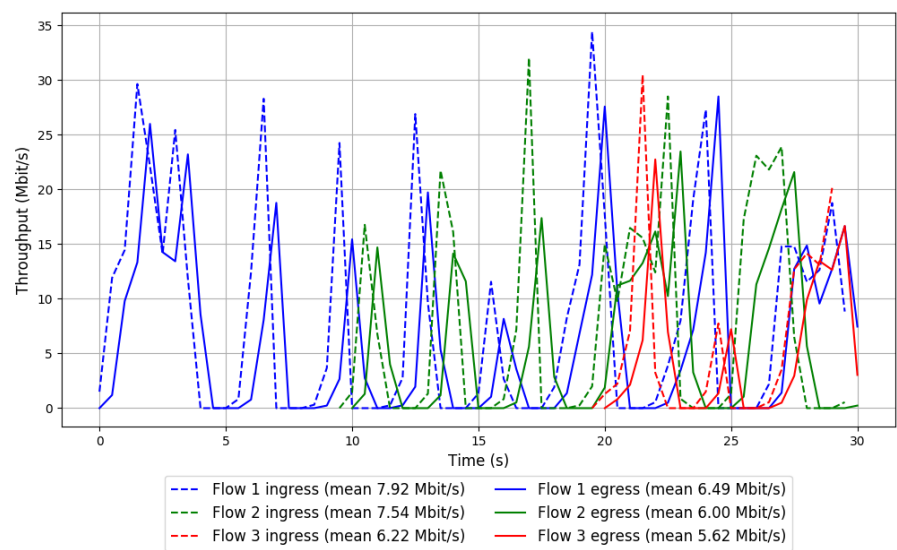
Run 7: Statistics of Copa

Start at: 2018-06-30 17:33:10  
End at: 2018-06-30 17:33:40  
Local clock offset: -0.784 ms  
Remote clock offset: -7.888 ms

# Below is generated by plot.py at 2018-06-30 19:52:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 12.26 Mbit/s  
95th percentile per-packet one-way delay: 70.575 ms  
Loss rate: 18.04%  
-- Flow 1:  
Average throughput: 6.49 Mbit/s  
95th percentile per-packet one-way delay: 62.972 ms  
Loss rate: 18.43%  
-- Flow 2:  
Average throughput: 6.00 Mbit/s  
95th percentile per-packet one-way delay: 88.173 ms  
Loss rate: 20.80%  
-- Flow 3:  
Average throughput: 5.62 Mbit/s  
95th percentile per-packet one-way delay: 71.925 ms  
Loss rate: 9.46%



Run 7: Report of Copa — Data Link

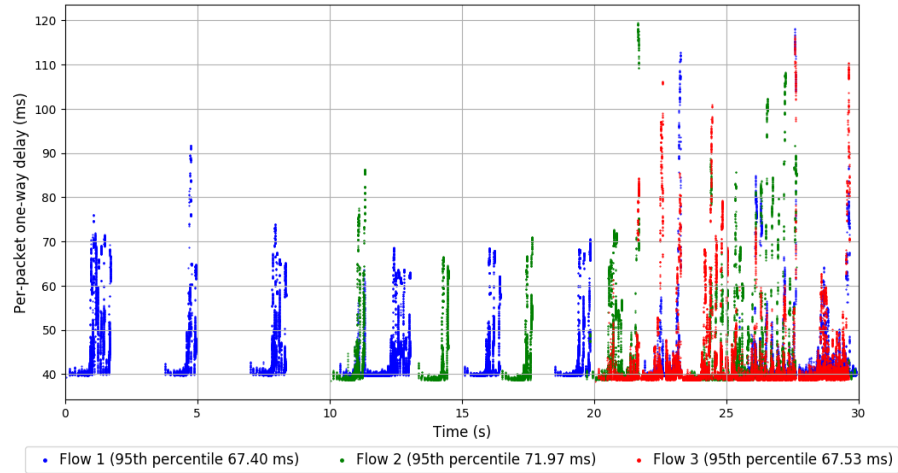
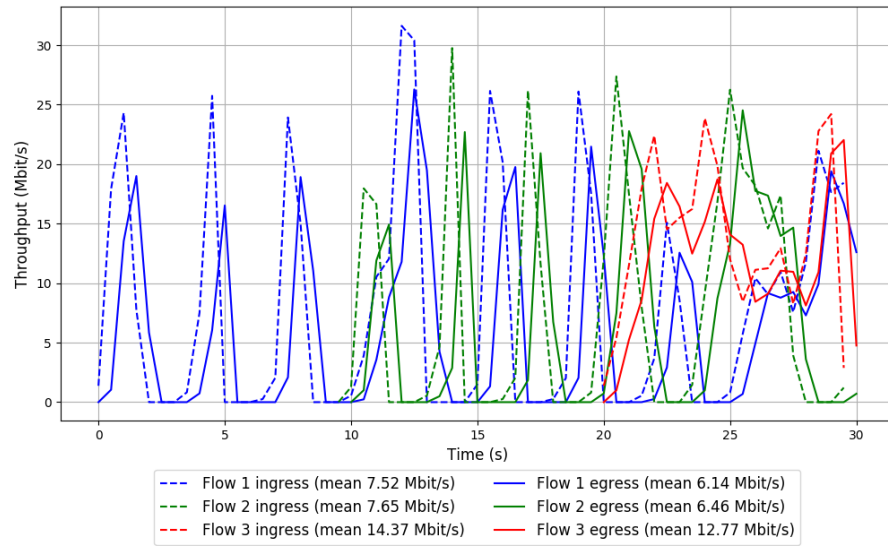


Run 8: Statistics of Copa

Start at: 2018-06-30 18:07:00  
End at: 2018-06-30 18:07:30  
Local clock offset: 5.721 ms  
Remote clock offset: -7.571 ms

# Below is generated by plot.py at 2018-06-30 19:52:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.53 Mbit/s  
95th percentile per-packet one-way delay: 68.368 ms  
Loss rate: 15.84%  
-- Flow 1:  
Average throughput: 6.14 Mbit/s  
95th percentile per-packet one-way delay: 67.403 ms  
Loss rate: 18.64%  
-- Flow 2:  
Average throughput: 6.46 Mbit/s  
95th percentile per-packet one-way delay: 71.975 ms  
Loss rate: 16.17%  
-- Flow 3:  
Average throughput: 12.77 Mbit/s  
95th percentile per-packet one-way delay: 67.525 ms  
Loss rate: 10.88%

## Run 8: Report of Copa — Data Link

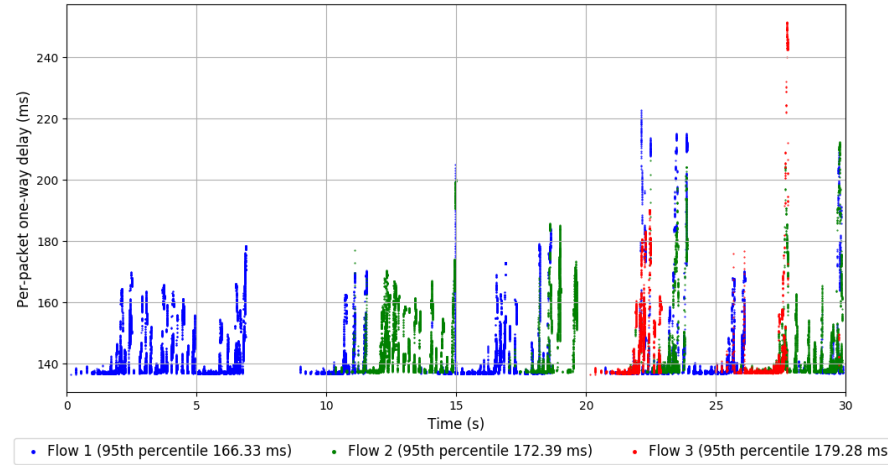
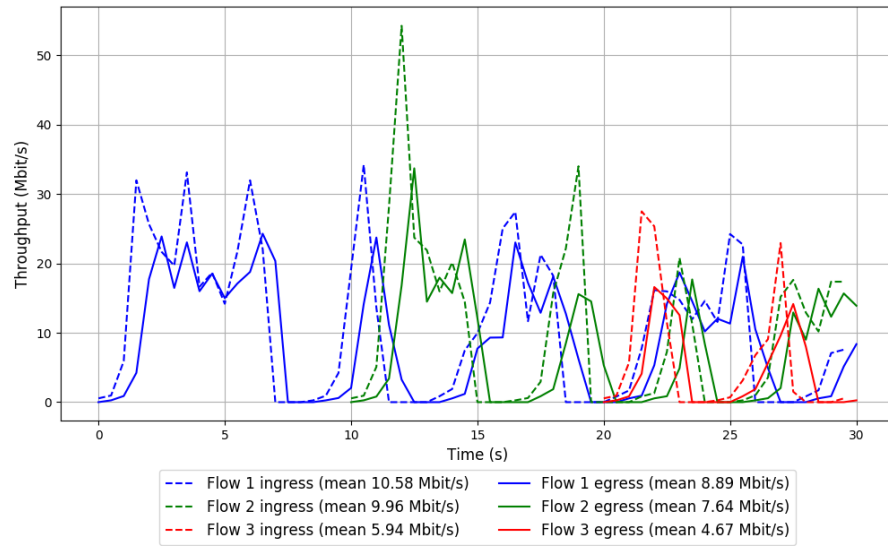


Run 9: Statistics of Copa

Start at: 2018-06-30 18:40:39  
End at: 2018-06-30 18:41:09  
Local clock offset: 5.304 ms  
Remote clock offset: -8.744 ms

```
# Below is generated by plot.py at 2018-06-30 19:52:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 169.602 ms
Loss rate: 19.97%
-- Flow 1:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 166.328 ms
Loss rate: 16.65%
-- Flow 2:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 172.393 ms
Loss rate: 24.38%
-- Flow 3:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 179.278 ms
Loss rate: 23.00%
```

# Run 9: Report of Copa — Data Link

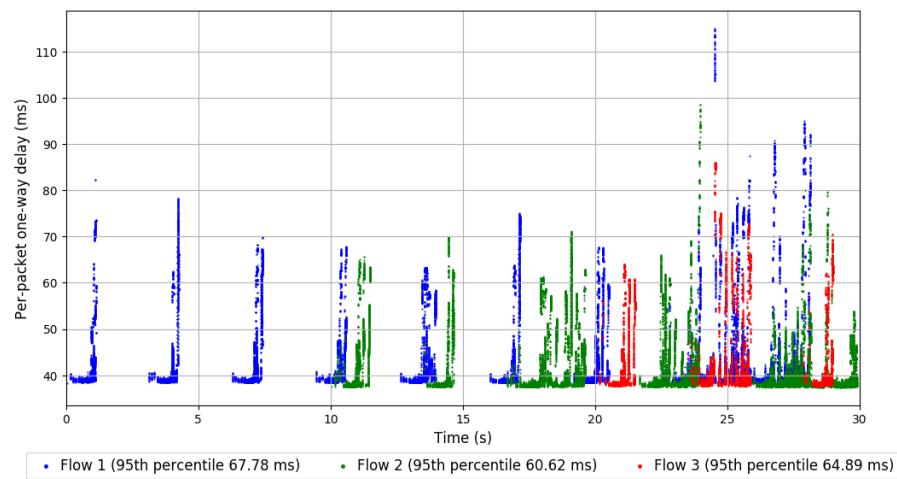
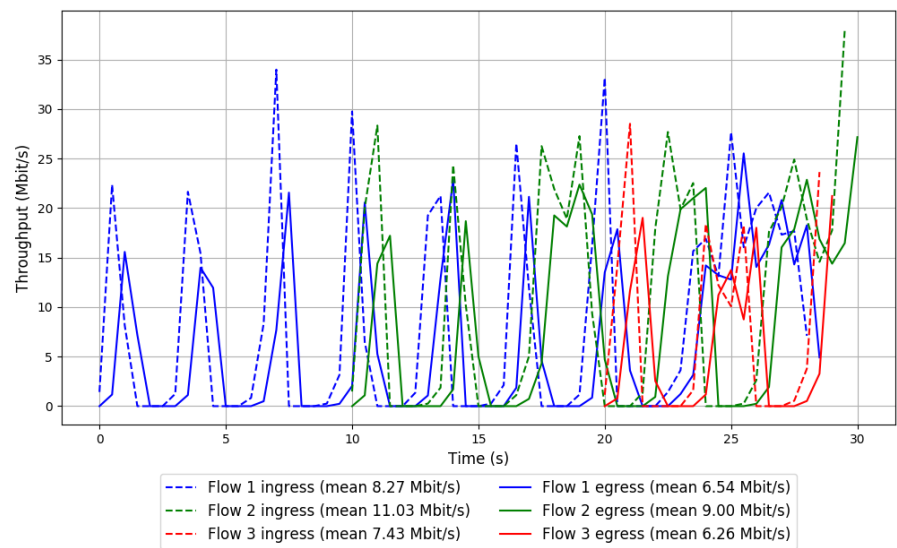


Run 10: Statistics of Copa

Start at: 2018-06-30 19:15:11  
End at: 2018-06-30 19:15:41  
Local clock offset: 1.079 ms  
Remote clock offset: -8.568 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.02 Mbit/s  
95th percentile per-packet one-way delay: 64.244 ms  
Loss rate: 19.26%  
-- Flow 1:  
Average throughput: 6.54 Mbit/s  
95th percentile per-packet one-way delay: 67.777 ms  
Loss rate: 20.80%  
-- Flow 2:  
Average throughput: 9.00 Mbit/s  
95th percentile per-packet one-way delay: 60.622 ms  
Loss rate: 18.78%  
-- Flow 3:  
Average throughput: 6.26 Mbit/s  
95th percentile per-packet one-way delay: 64.892 ms  
Loss rate: 15.47%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 14:12:45

End at: 2018-06-30 14:13:15

Local clock offset: 0.006 ms

Remote clock offset: -8.86 ms

# Below is generated by plot.py at 2018-06-30 19:52:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 40.699 ms

Loss rate: 7.47%

-- Flow 1:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 40.756 ms

Loss rate: 7.13%

-- Flow 2:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 40.966 ms

Loss rate: 8.36%

-- Flow 3:

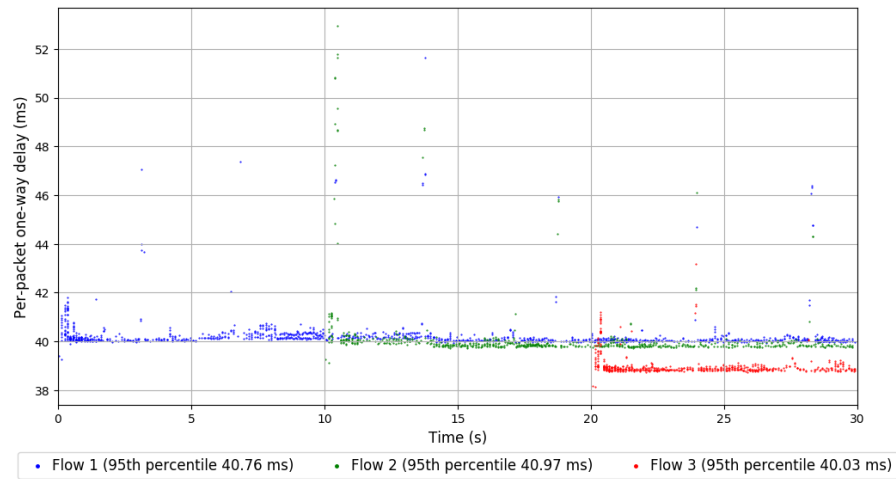
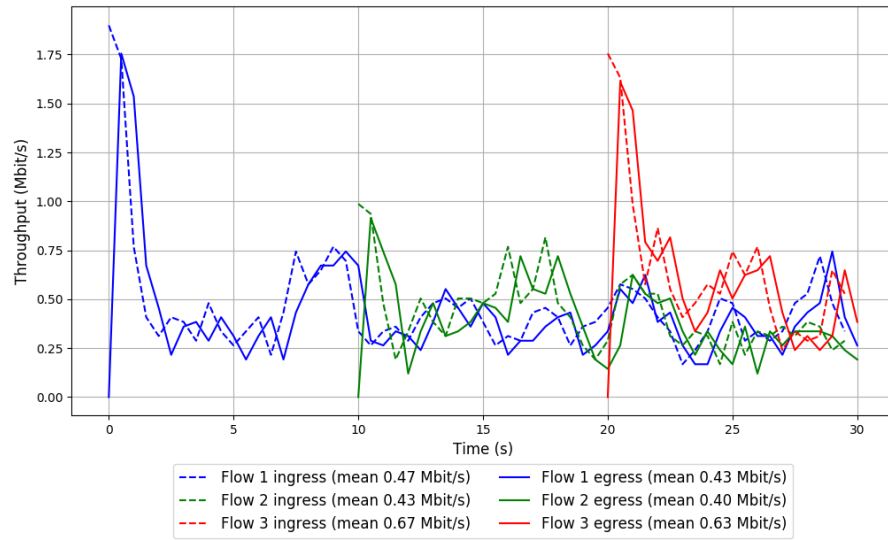
Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 40.034 ms

Loss rate: 7.04%



# Run 1: Report of TCP Cubic — Data Link

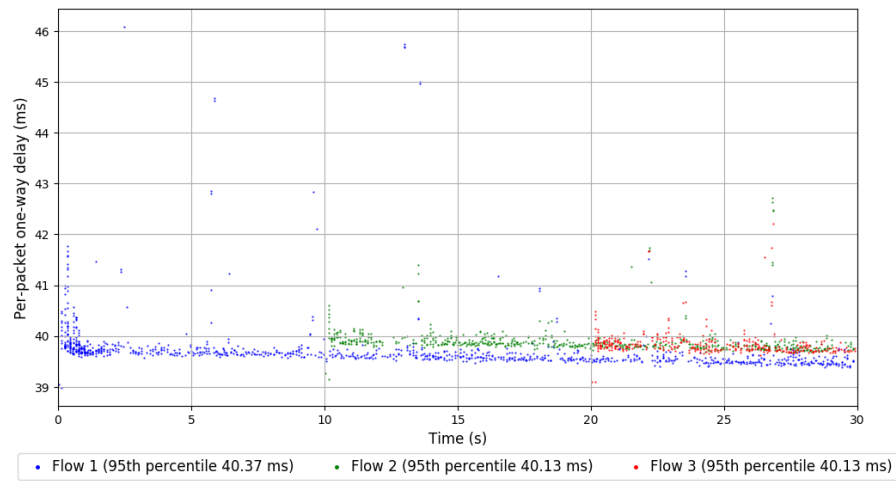
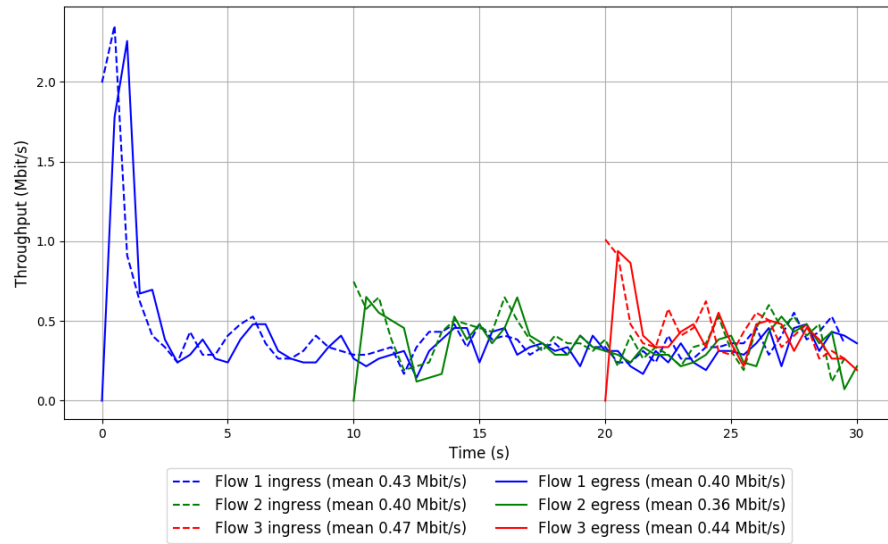


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 14:47:17  
End at: 2018-06-30 14:47:47  
Local clock offset: -0.065 ms  
Remote clock offset: -10.761 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.78 Mbit/s  
95th percentile per-packet one-way delay: 40.283 ms  
Loss rate: 8.65%  
-- Flow 1:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 40.370 ms  
Loss rate: 8.39%  
-- Flow 2:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 40.129 ms  
Loss rate: 9.60%  
-- Flow 3:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 40.133 ms  
Loss rate: 7.73%

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

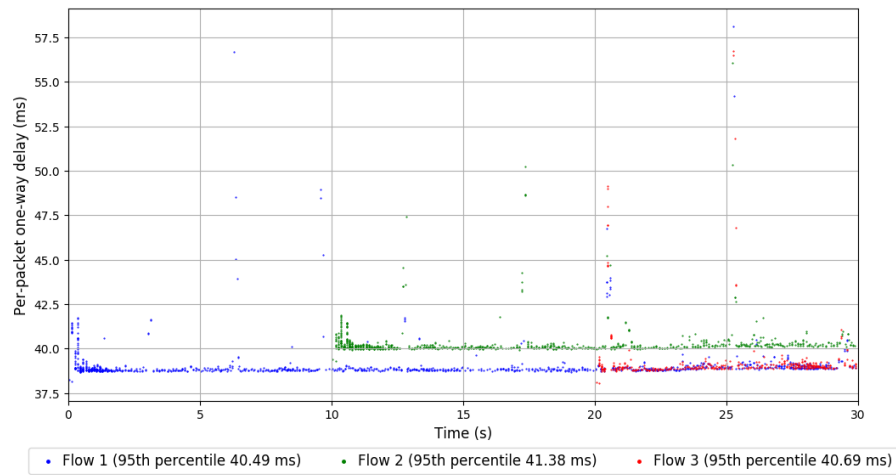
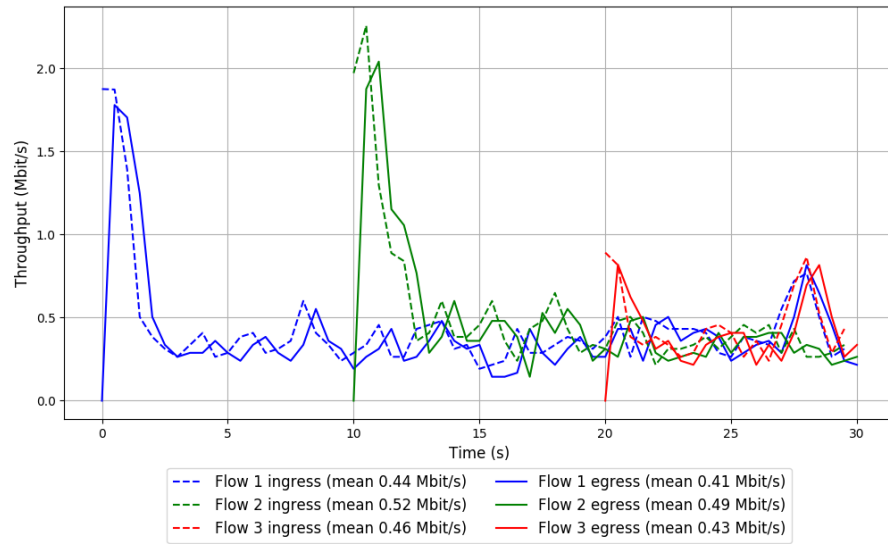


Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 15:21:31  
End at: 2018-06-30 15:22:01  
Local clock offset: 4.882 ms  
Remote clock offset: -11.268 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.87 Mbit/s  
95th percentile per-packet one-way delay: 40.922 ms  
Loss rate: 7.66%  
-- Flow 1:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 40.487 ms  
Loss rate: 8.24%  
-- Flow 2:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 41.379 ms  
Loss rate: 6.80%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 40.693 ms  
Loss rate: 7.89%

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

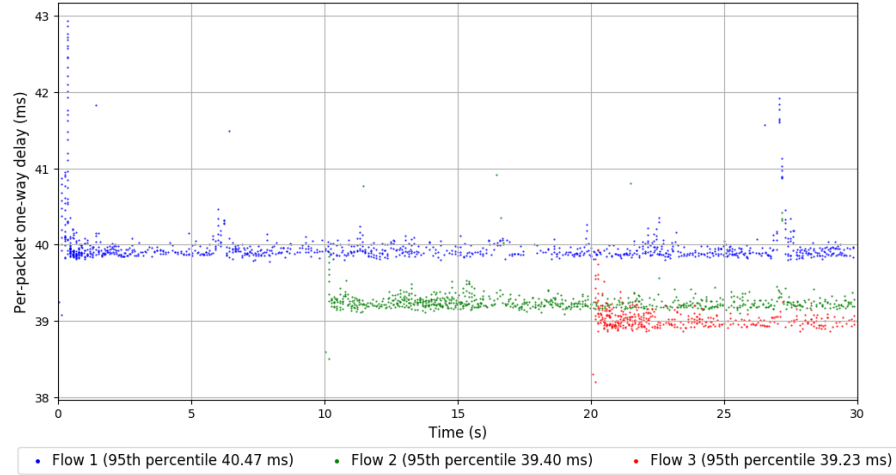
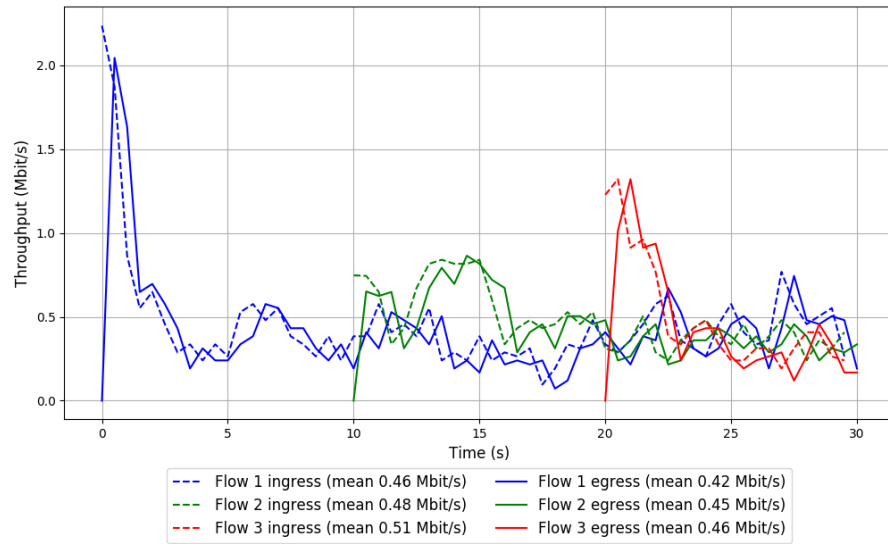


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 15:56:15  
End at: 2018-06-30 15:56:45  
Local clock offset: 6.509 ms  
Remote clock offset: -10.17 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.87 Mbit/s  
95th percentile per-packet one-way delay: 40.128 ms  
Loss rate: 8.15%  
-- Flow 1:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 40.473 ms  
Loss rate: 8.47%  
-- Flow 2:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 39.401 ms  
Loss rate: 6.84%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 39.234 ms  
Loss rate: 9.76%

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



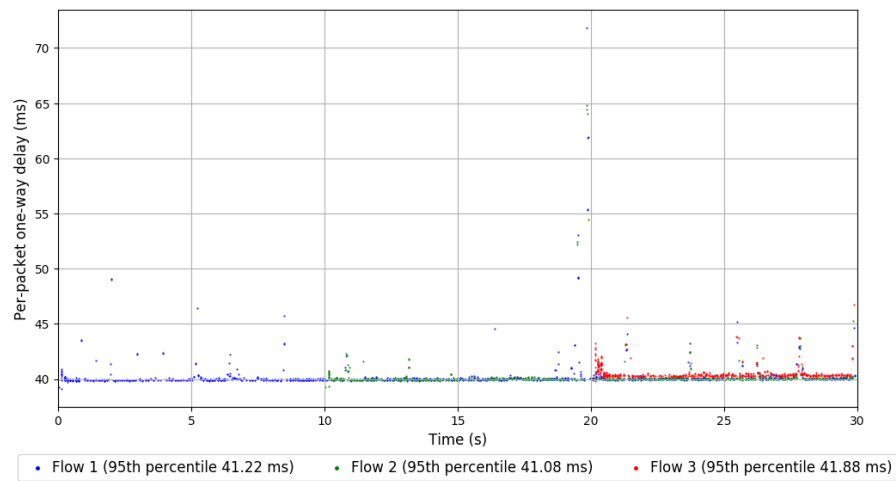
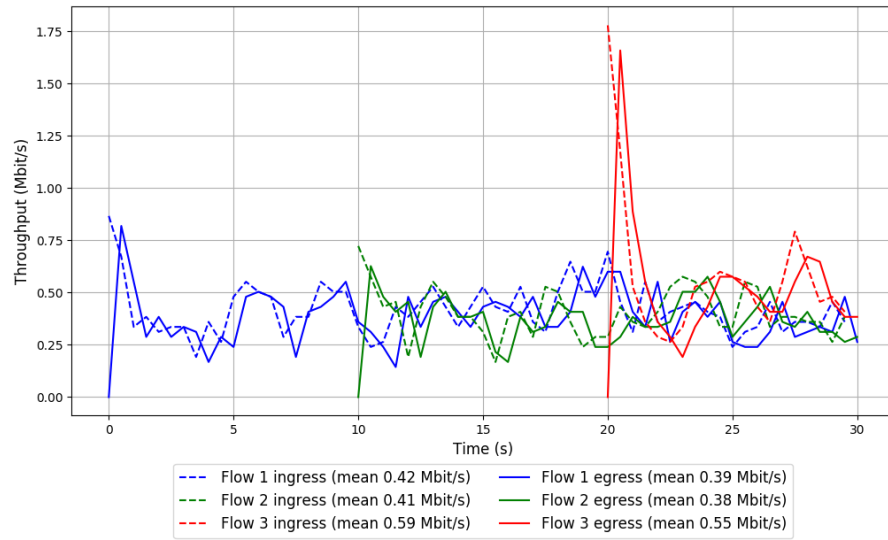
Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 16:29:14  
End at: 2018-06-30 16:29:44  
Local clock offset: -2.717 ms  
Remote clock offset: -9.808 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.83 Mbit/s  
95th percentile per-packet one-way delay: 41.451 ms  
Loss rate: 7.13%  
-- Flow 1:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 41.222 ms  
Loss rate: 6.84%  
-- Flow 2:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 41.080 ms  
Loss rate: 7.37%  
-- Flow 3:  
Average throughput: 0.55 Mbit/s  
95th percentile per-packet one-way delay: 41.884 ms  
Loss rate: 7.42%



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

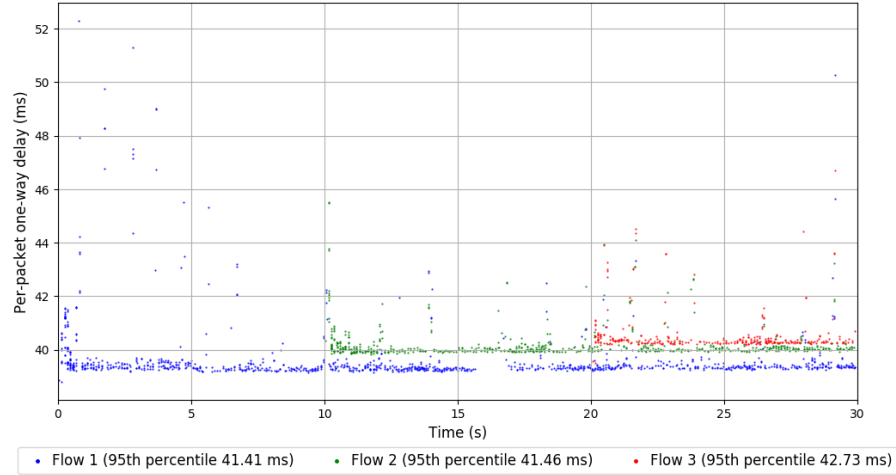
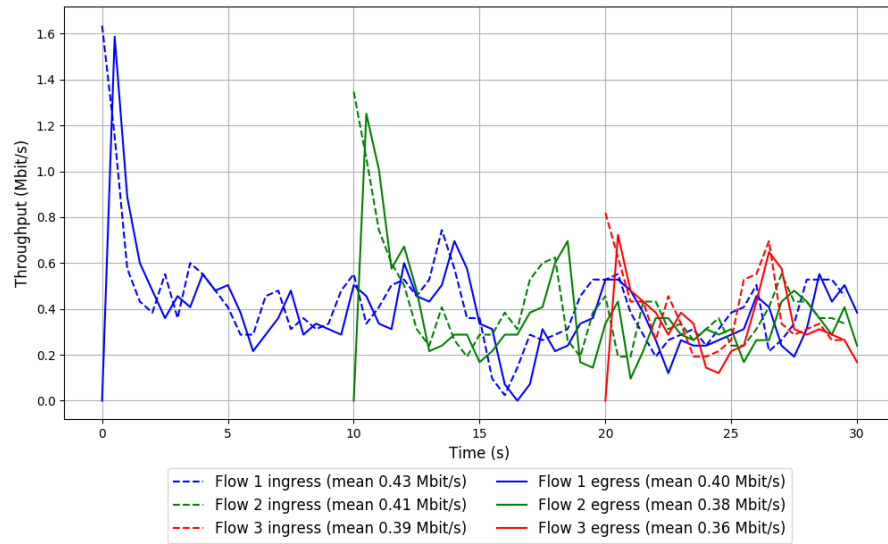


Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 17:02:02  
End at: 2018-06-30 17:02:32  
Local clock offset: -7.706 ms  
Remote clock offset: -10.573 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 41.574 ms  
Loss rate: 8.40%  
-- Flow 1:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 41.415 ms  
Loss rate: 7.47%  
-- Flow 2:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 41.462 ms  
Loss rate: 9.17%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 42.727 ms  
Loss rate: 9.84%

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

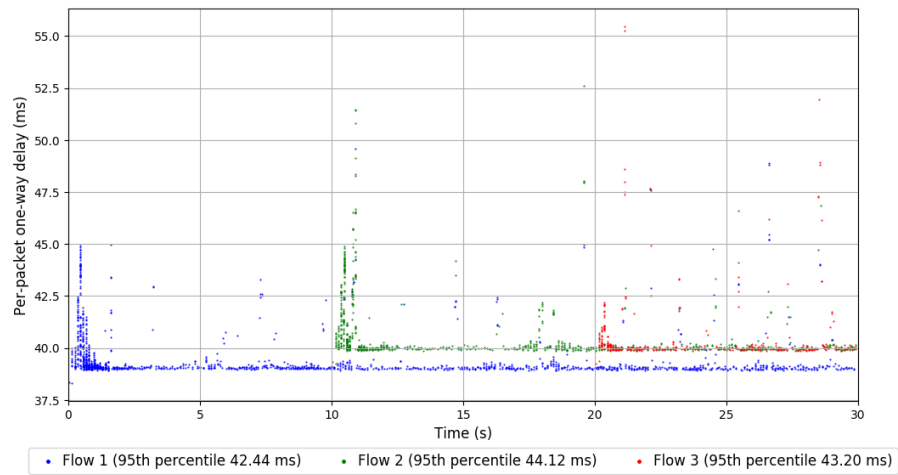
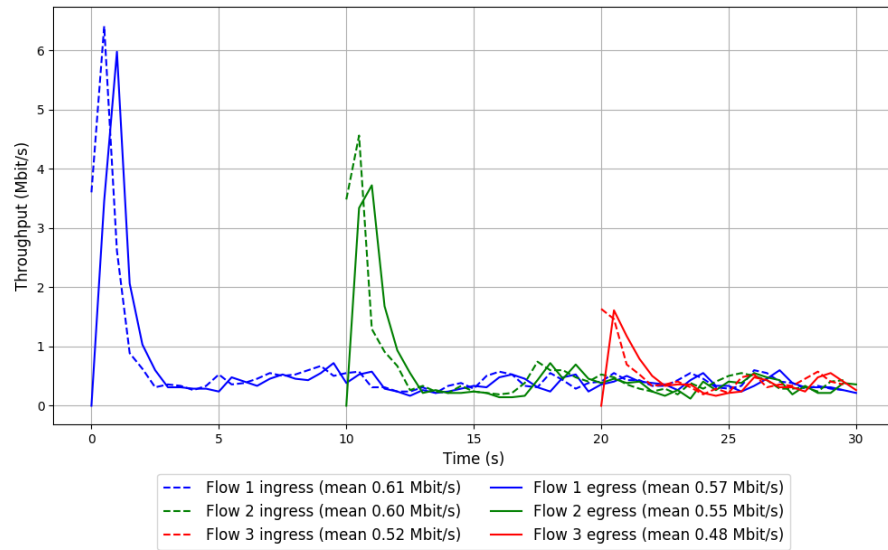


Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 17:35:17  
End at: 2018-06-30 17:35:47  
Local clock offset: -0.387 ms  
Remote clock offset: -8.206 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.09 Mbit/s  
95th percentile per-packet one-way delay: 43.404 ms  
Loss rate: 7.69%  
-- Flow 1:  
Average throughput: 0.57 Mbit/s  
95th percentile per-packet one-way delay: 42.444 ms  
Loss rate: 7.36%  
-- Flow 2:  
Average throughput: 0.55 Mbit/s  
95th percentile per-packet one-way delay: 44.122 ms  
Loss rate: 8.16%  
-- Flow 3:  
Average throughput: 0.48 Mbit/s  
95th percentile per-packet one-way delay: 43.202 ms  
Loss rate: 7.73%

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

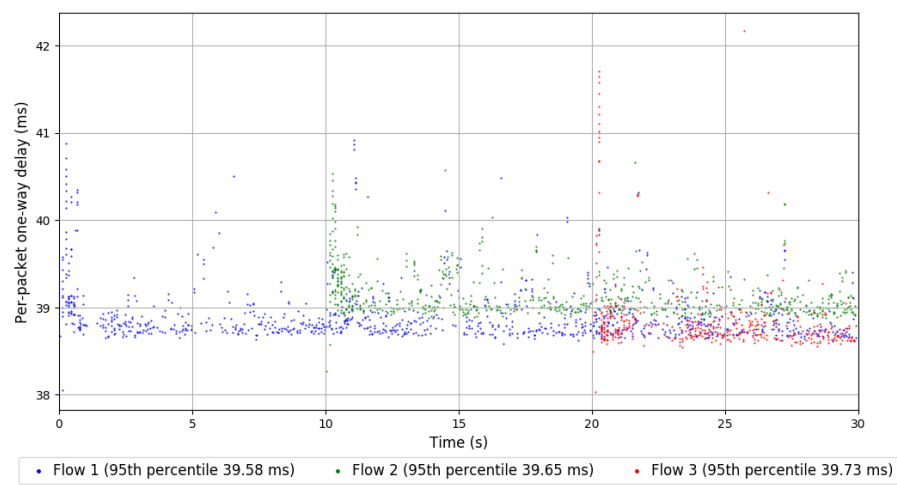
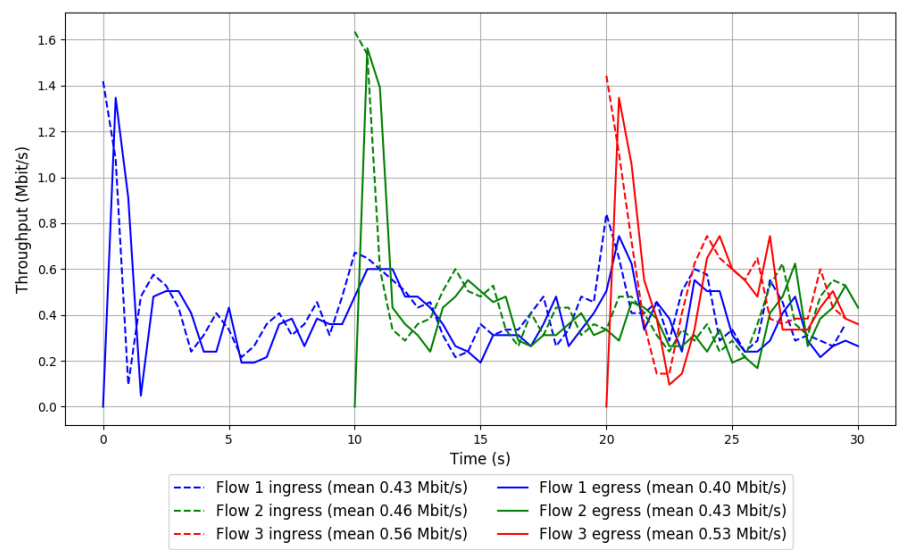


Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 18:09:17  
End at: 2018-06-30 18:09:47  
Local clock offset: 5.947 ms  
Remote clock offset: -7.444 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.85 Mbit/s  
95th percentile per-packet one-way delay: 39.646 ms  
Loss rate: 7.73%  
-- Flow 1:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 39.579 ms  
Loss rate: 8.26%  
-- Flow 2:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 39.651 ms  
Loss rate: 7.85%  
-- Flow 3:  
Average throughput: 0.53 Mbit/s  
95th percentile per-packet one-way delay: 39.735 ms  
Loss rate: 6.29%

Run 8: Report of TCP Cubic — Data Link



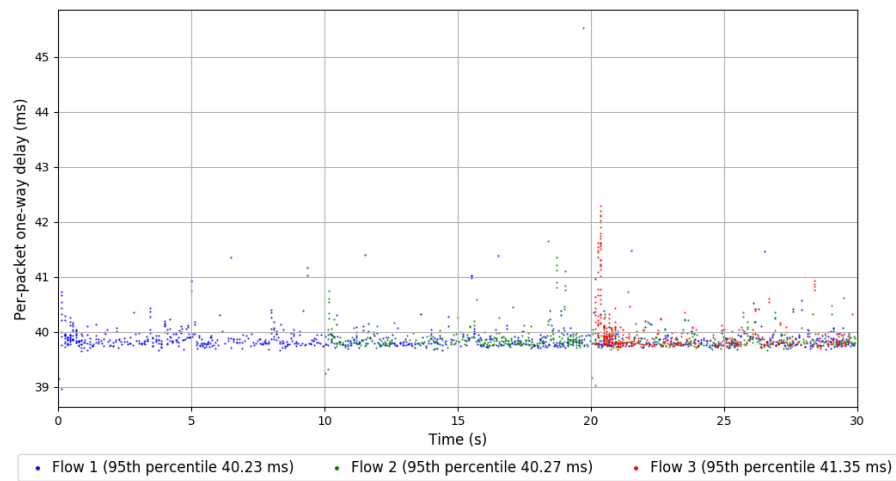
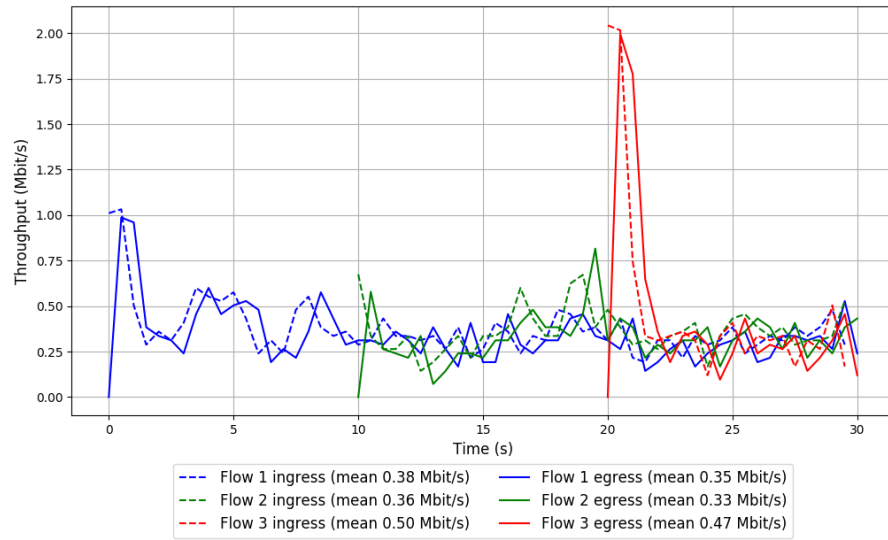
Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 18:42:13  
End at: 2018-06-30 18:42:43  
Local clock offset: 5.326 ms  
Remote clock offset: -8.771 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 40.404 ms  
Loss rate: 8.49%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 40.230 ms  
Loss rate: 7.94%  
-- Flow 2:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 40.271 ms  
Loss rate: 9.22%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 41.349 ms  
Loss rate: 8.67%



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

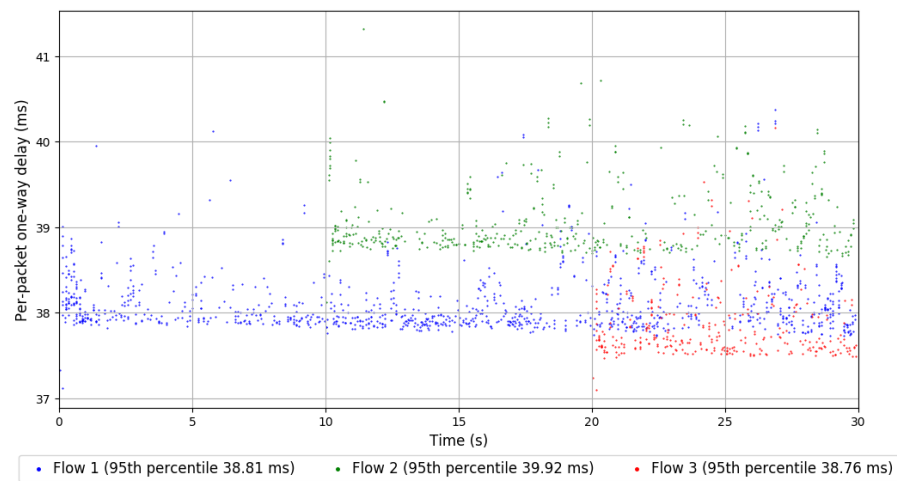
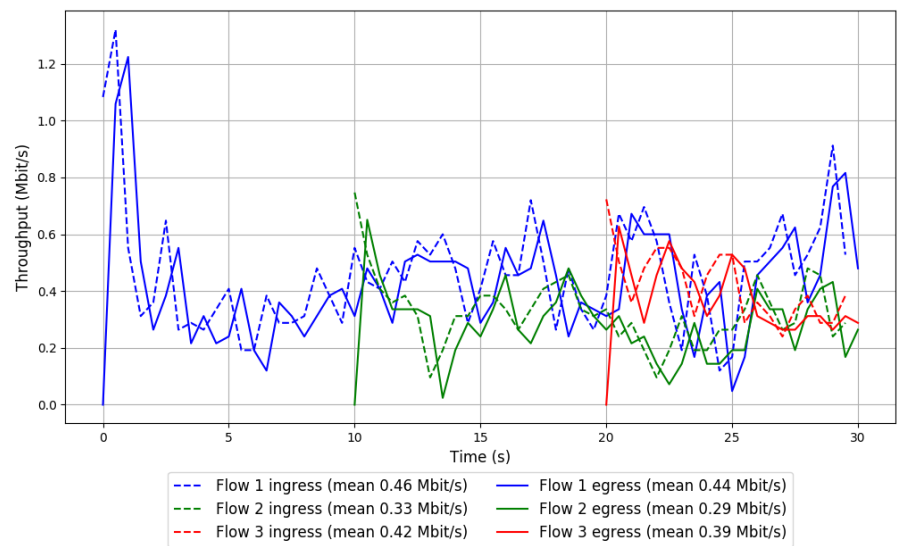


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 19:17:23  
End at: 2018-06-30 19:17:53  
Local clock offset: 1.447 ms  
Remote clock offset: -8.566 ms

# Below is generated by plot.py at 2018-06-30 19:52:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.76 Mbit/s  
95th percentile per-packet one-way delay: 39.461 ms  
Loss rate: 8.14%  
-- Flow 1:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 38.809 ms  
Loss rate: 6.38%  
-- Flow 2:  
Average throughput: 0.29 Mbit/s  
95th percentile per-packet one-way delay: 39.925 ms  
Loss rate: 11.60%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 38.759 ms  
Loss rate: 8.62%

Run 10: Report of TCP Cubic — Data Link

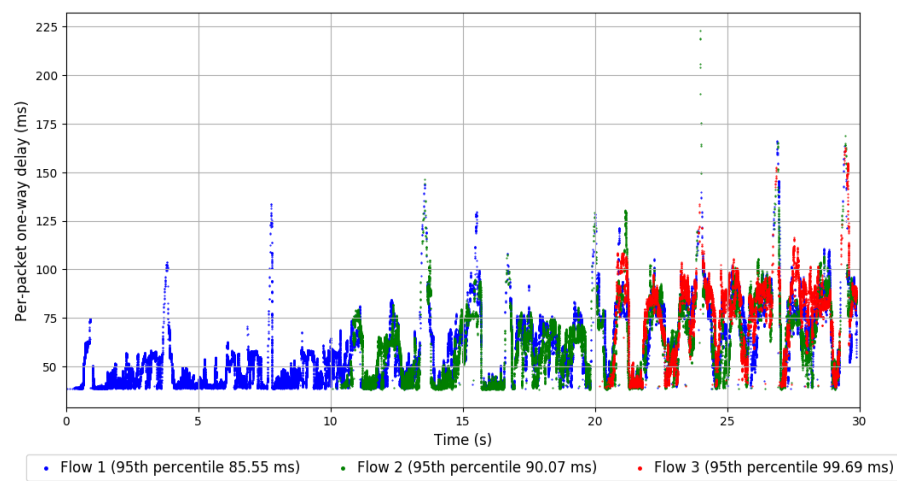
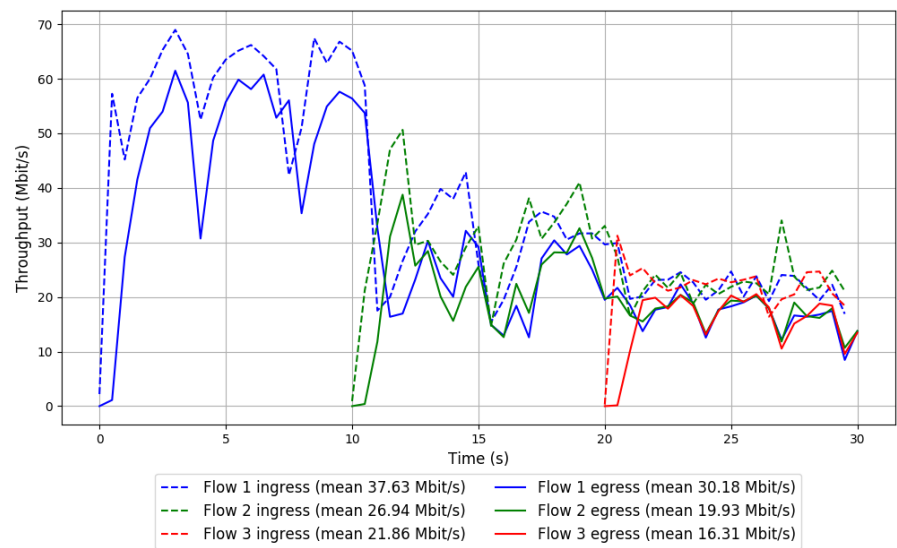


Run 1: Statistics of FillP

Start at: 2018-06-30 14:17:16  
End at: 2018-06-30 14:17:46  
Local clock offset: -0.263 ms  
Remote clock offset: -9.477 ms

# Below is generated by plot.py at 2018-06-30 19:53:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.71 Mbit/s  
95th percentile per-packet one-way delay: 90.108 ms  
Loss rate: 22.58%  
-- Flow 1:  
Average throughput: 30.18 Mbit/s  
95th percentile per-packet one-way delay: 85.547 ms  
Loss rate: 20.07%  
-- Flow 2:  
Average throughput: 19.93 Mbit/s  
95th percentile per-packet one-way delay: 90.071 ms  
Loss rate: 26.40%  
-- Flow 3:  
Average throughput: 16.31 Mbit/s  
95th percentile per-packet one-way delay: 99.695 ms  
Loss rate: 26.18%

Run 1: Report of FillP — Data Link

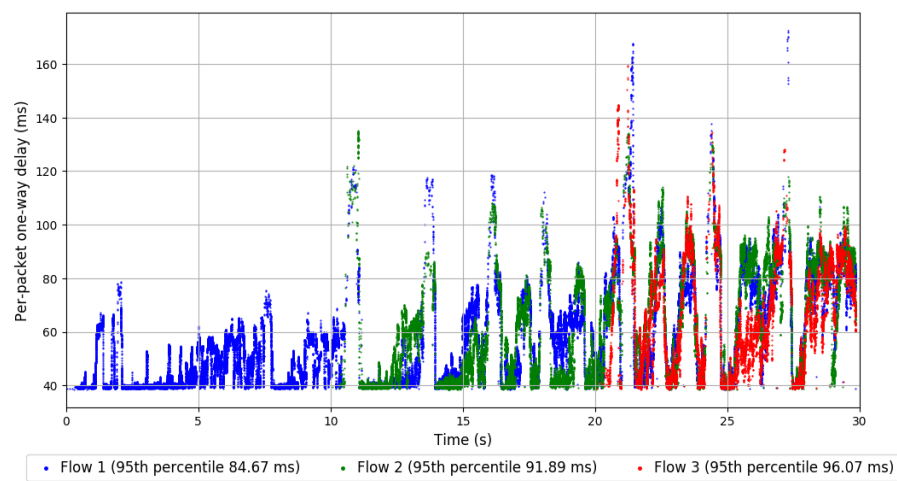
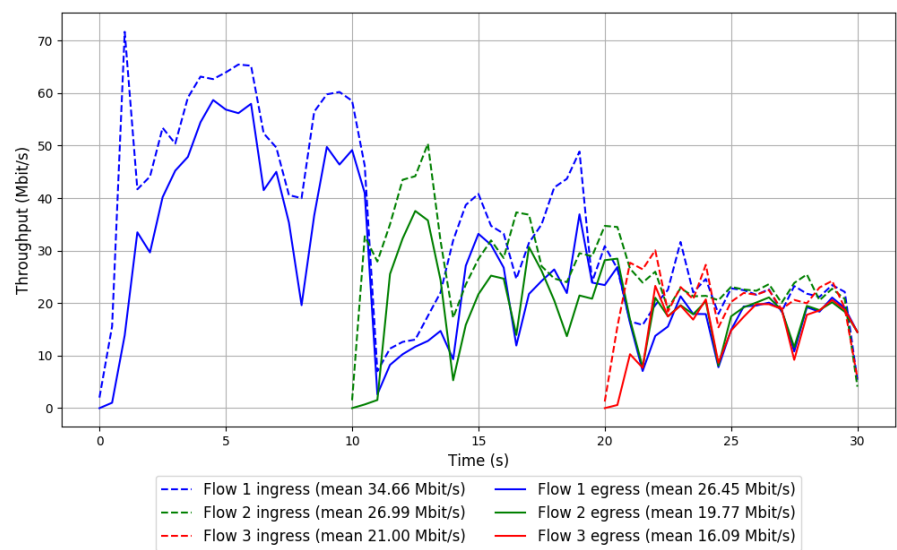


Run 2: Statistics of FillP

Start at: 2018-06-30 14:51:48  
End at: 2018-06-30 14:52:18  
Local clock offset: 1.548 ms  
Remote clock offset: -10.476 ms

# Below is generated by plot.py at 2018-06-30 19:53:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 44.86 Mbit/s  
95th percentile per-packet one-way delay: 89.963 ms  
Loss rate: 25.58%  
-- Flow 1:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 84.670 ms  
Loss rate: 24.41%  
-- Flow 2:  
Average throughput: 19.77 Mbit/s  
95th percentile per-packet one-way delay: 91.887 ms  
Loss rate: 27.83%  
-- Flow 3:  
Average throughput: 16.09 Mbit/s  
95th percentile per-packet one-way delay: 96.067 ms  
Loss rate: 25.60%

Run 2: Report of FillP — Data Link



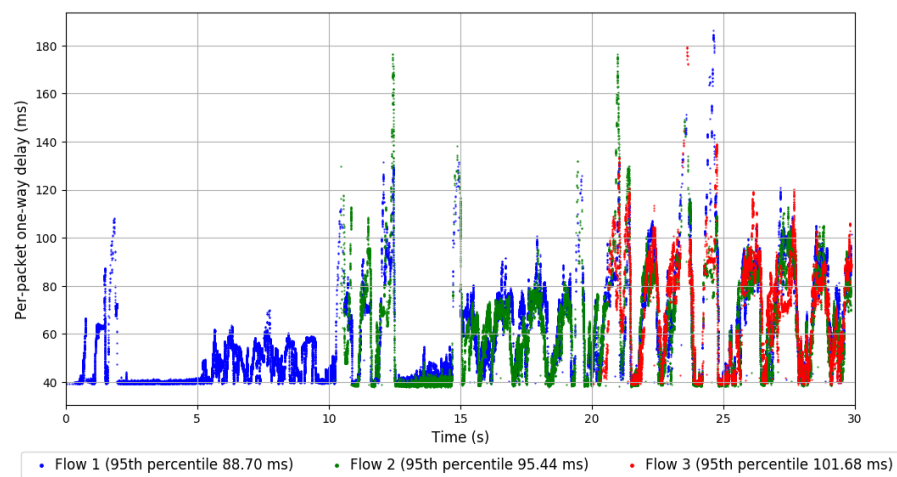
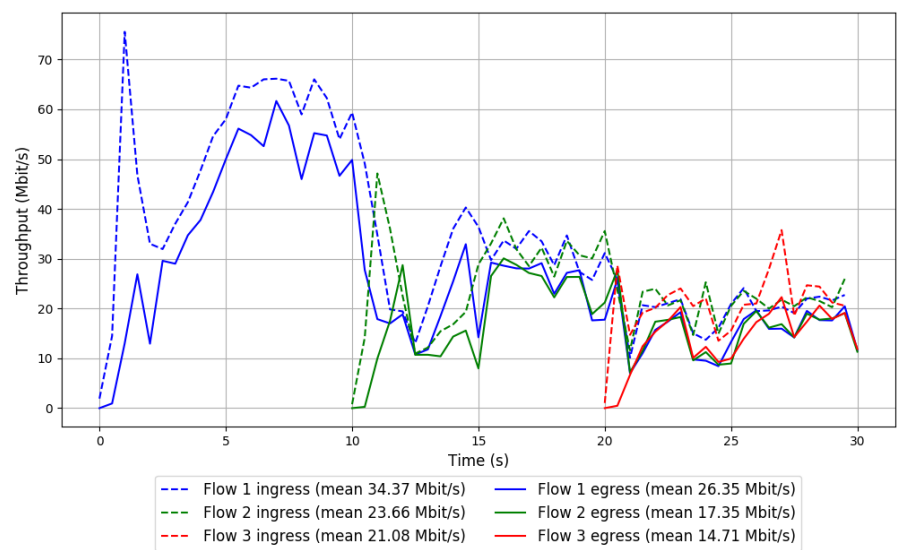
Run 3: Statistics of FillP

Start at: 2018-06-30 15:26:04  
End at: 2018-06-30 15:26:34  
Local clock offset: 5.05 ms  
Remote clock offset: -10.797 ms

# Below is generated by plot.py at 2018-06-30 19:53:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 42.70 Mbit/s  
95th percentile per-packet one-way delay: 93.125 ms  
Loss rate: 25.44%  
-- Flow 1:  
Average throughput: 26.35 Mbit/s  
95th percentile per-packet one-way delay: 88.698 ms  
Loss rate: 23.59%  
-- Flow 2:  
Average throughput: 17.35 Mbit/s  
95th percentile per-packet one-way delay: 95.445 ms  
Loss rate: 27.06%  
-- Flow 3:  
Average throughput: 14.71 Mbit/s  
95th percentile per-packet one-way delay: 101.682 ms  
Loss rate: 30.94%



Run 3: Report of FillP — Data Link

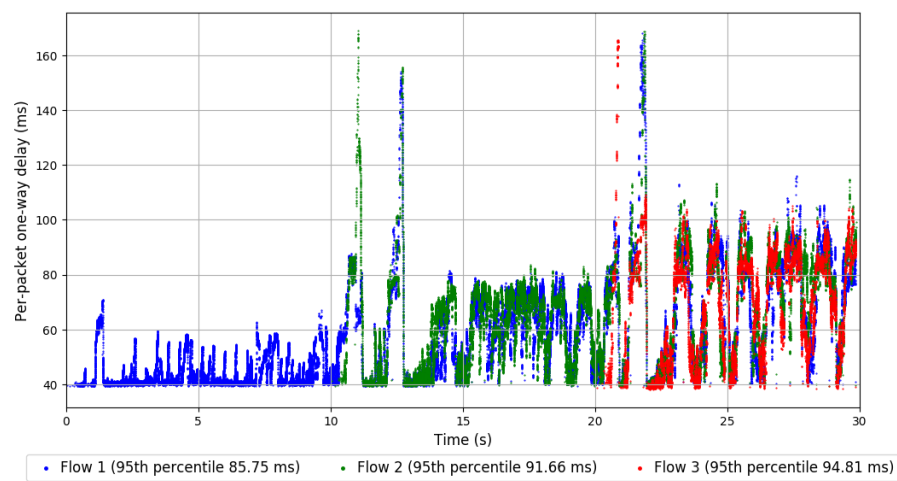
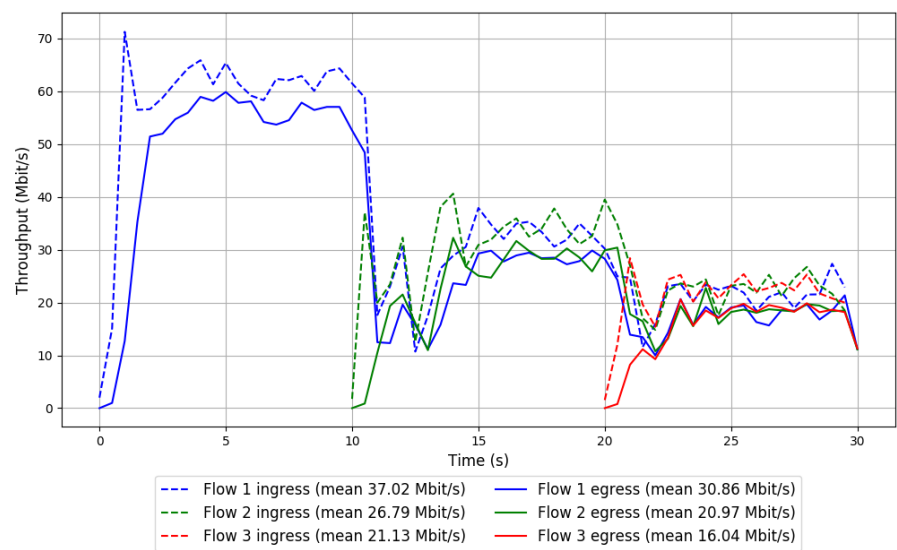


Run 4: Statistics of FillP

Start at: 2018-06-30 16:01:07  
End at: 2018-06-30 16:01:37  
Local clock offset: 6.665 ms  
Remote clock offset: -9.988 ms

# Below is generated by plot.py at 2018-06-30 19:53:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 50.06 Mbit/s  
95th percentile per-packet one-way delay: 89.683 ms  
Loss rate: 19.33%  
-- Flow 1:  
Average throughput: 30.86 Mbit/s  
95th percentile per-packet one-way delay: 85.745 ms  
Loss rate: 16.93%  
-- Flow 2:  
Average throughput: 20.97 Mbit/s  
95th percentile per-packet one-way delay: 91.659 ms  
Loss rate: 22.11%  
-- Flow 3:  
Average throughput: 16.04 Mbit/s  
95th percentile per-packet one-way delay: 94.810 ms  
Loss rate: 24.92%

Run 4: Report of FillP — Data Link

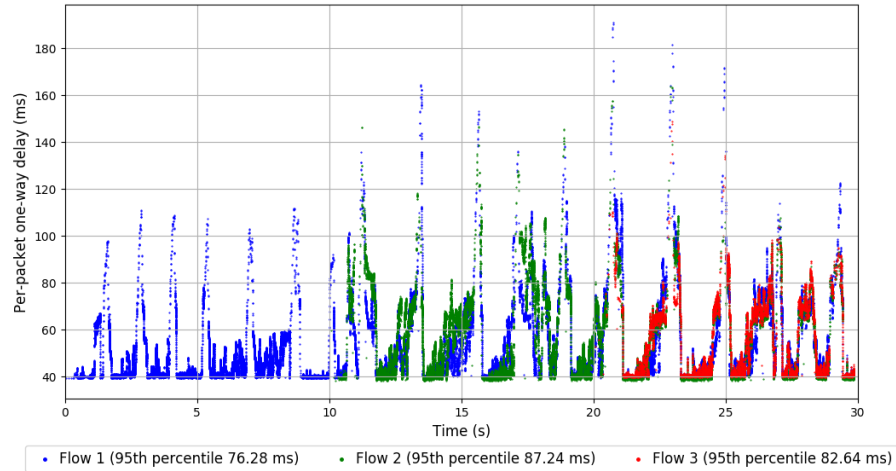
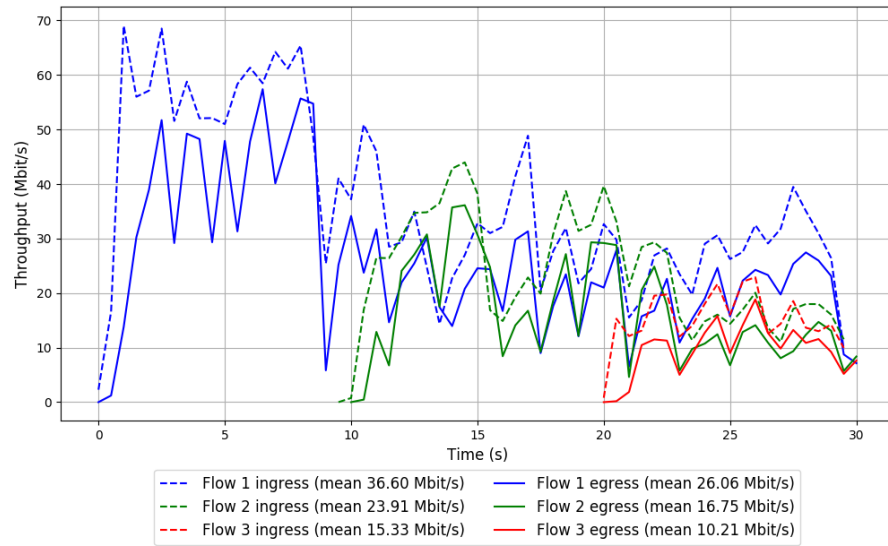


Run 5: Statistics of FillP

Start at: 2018-06-30 16:33:31  
End at: 2018-06-30 16:34:01  
Local clock offset: -4.16 ms  
Remote clock offset: -10.101 ms

# Below is generated by plot.py at 2018-06-30 19:53:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 40.53 Mbit/s  
95th percentile per-packet one-way delay: 80.214 ms  
Loss rate: 29.87%  
-- Flow 1:  
Average throughput: 26.06 Mbit/s  
95th percentile per-packet one-way delay: 76.284 ms  
Loss rate: 29.06%  
-- Flow 2:  
Average throughput: 16.75 Mbit/s  
95th percentile per-packet one-way delay: 87.238 ms  
Loss rate: 30.37%  
-- Flow 3:  
Average throughput: 10.21 Mbit/s  
95th percentile per-packet one-way delay: 82.638 ms  
Loss rate: 34.19%

## Run 5: Report of FillP — Data Link

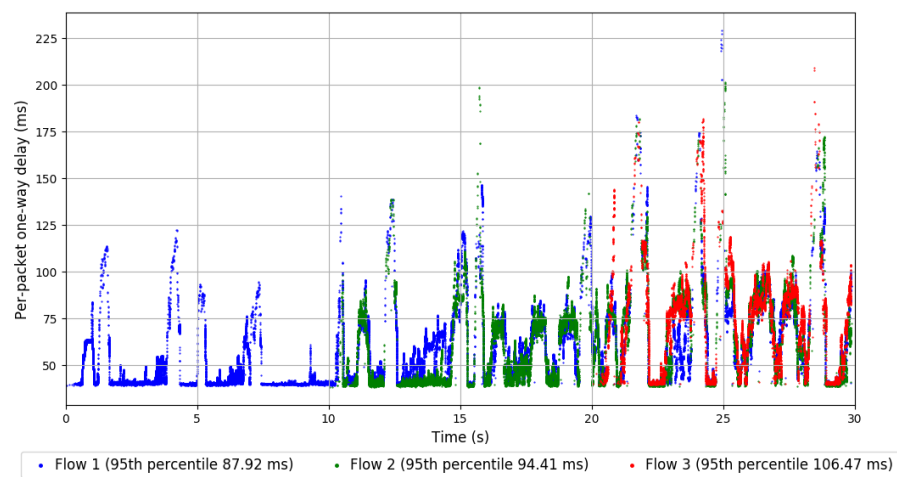
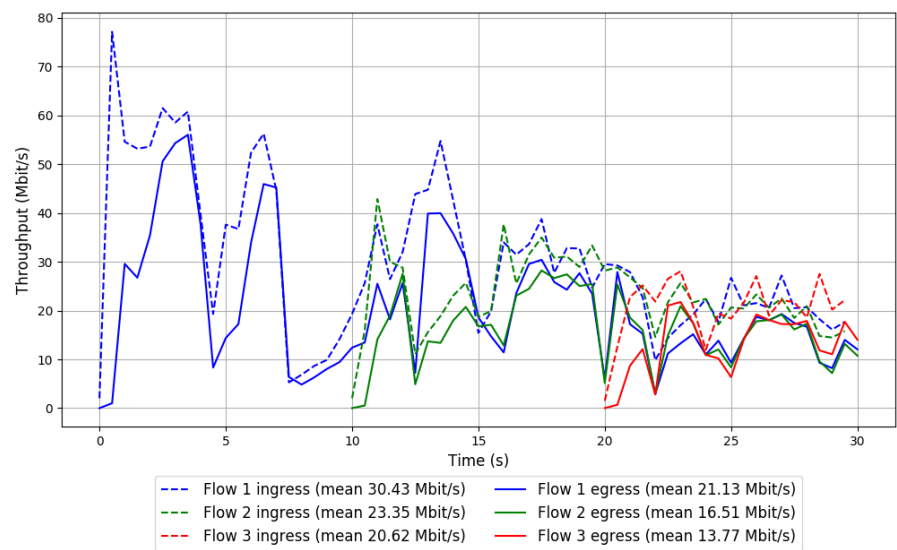


Run 6: Statistics of FillP

Start at: 2018-06-30 17:06:29  
End at: 2018-06-30 17:06:59  
Local clock offset: -8.136 ms  
Remote clock offset: -9.719 ms

# Below is generated by plot.py at 2018-06-30 19:53:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 36.63 Mbit/s  
95th percentile per-packet one-way delay: 93.912 ms  
Loss rate: 30.85%  
-- Flow 1:  
Average throughput: 21.13 Mbit/s  
95th percentile per-packet one-way delay: 87.922 ms  
Loss rate: 30.79%  
-- Flow 2:  
Average throughput: 16.51 Mbit/s  
95th percentile per-packet one-way delay: 94.412 ms  
Loss rate: 29.62%  
-- Flow 3:  
Average throughput: 13.77 Mbit/s  
95th percentile per-packet one-way delay: 106.465 ms  
Loss rate: 33.91%

Run 6: Report of FillP — Data Link



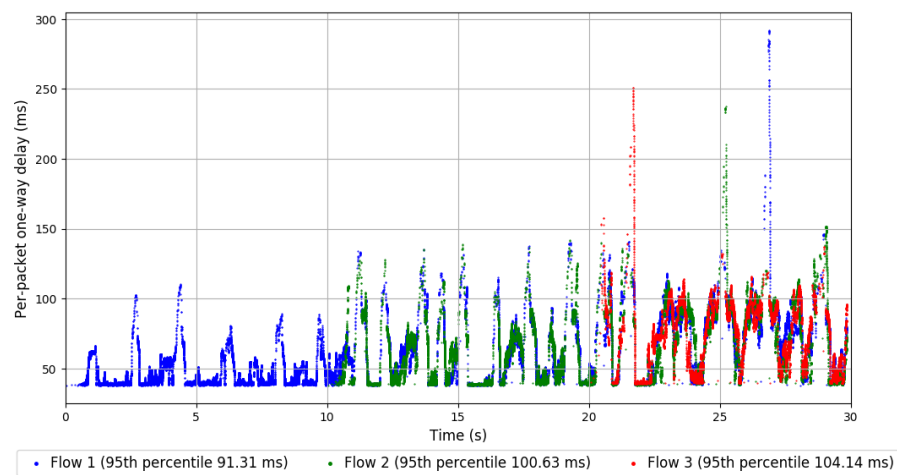
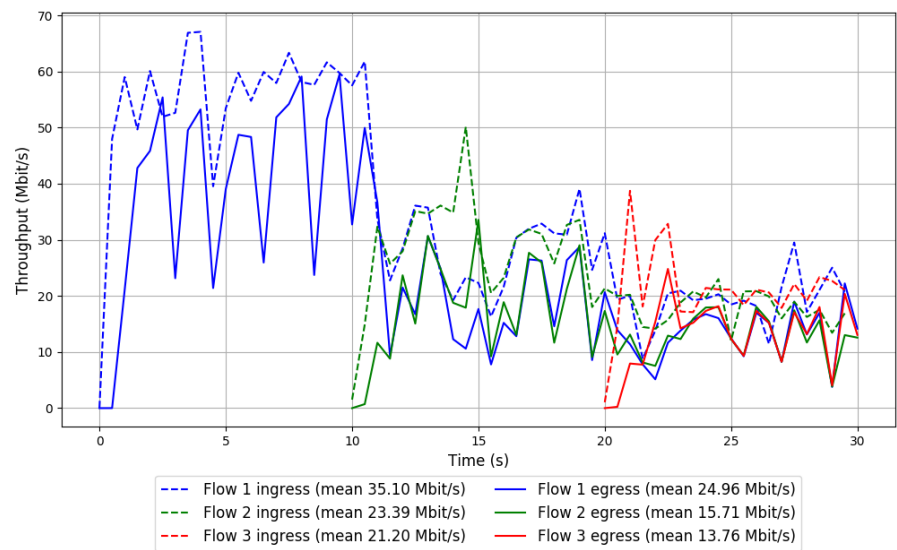
Run 7: Statistics of FillP

Start at: 2018-06-30 17:39:44  
End at: 2018-06-30 17:40:14  
Local clock offset: -0.088 ms  
Remote clock offset: -7.738 ms

# Below is generated by plot.py at 2018-06-30 19:53:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 39.91 Mbit/s  
95th percentile per-packet one-way delay: 97.250 ms  
Loss rate: 31.04%  
-- Flow 1:  
Average throughput: 24.96 Mbit/s  
95th percentile per-packet one-way delay: 91.311 ms  
Loss rate: 29.14%  
-- Flow 2:  
Average throughput: 15.71 Mbit/s  
95th percentile per-packet one-way delay: 100.627 ms  
Loss rate: 33.17%  
-- Flow 3:  
Average throughput: 13.76 Mbit/s  
95th percentile per-packet one-way delay: 104.140 ms  
Loss rate: 35.81%



Run 7: Report of FillP — Data Link

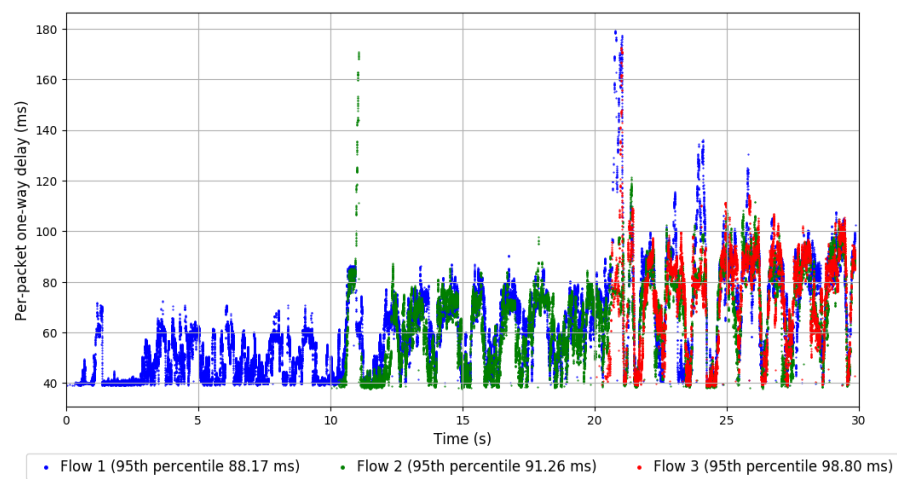
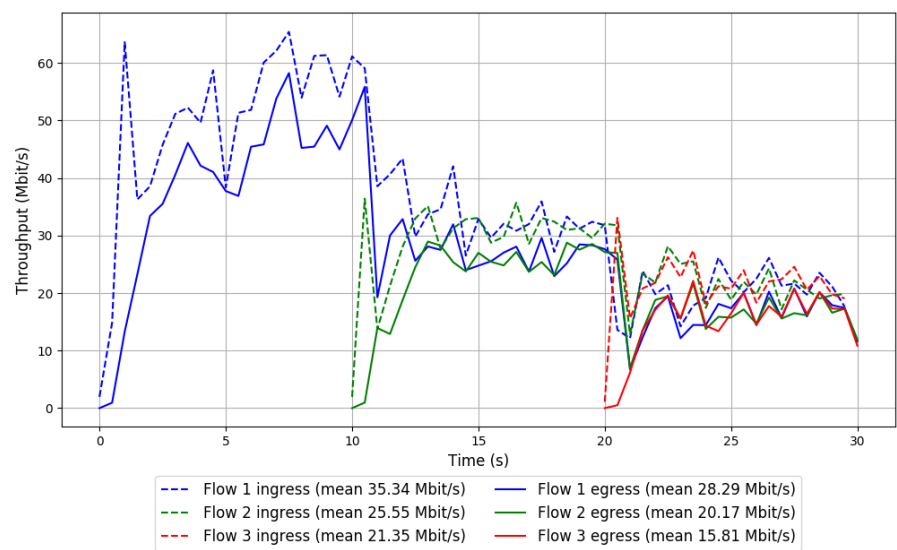


Run 8: Statistics of FillP

Start at: 2018-06-30 18:14:05  
End at: 2018-06-30 18:14:35  
Local clock offset: 6.289 ms  
Remote clock offset: -7.906 ms

# Below is generated by plot.py at 2018-06-30 19:53:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 46.89 Mbit/s  
95th percentile per-packet one-way delay: 91.439 ms  
Loss rate: 21.35%  
-- Flow 1:  
Average throughput: 28.29 Mbit/s  
95th percentile per-packet one-way delay: 88.175 ms  
Loss rate: 20.21%  
-- Flow 2:  
Average throughput: 20.17 Mbit/s  
95th percentile per-packet one-way delay: 91.260 ms  
Loss rate: 21.48%  
-- Flow 3:  
Average throughput: 15.81 Mbit/s  
95th percentile per-packet one-way delay: 98.800 ms  
Loss rate: 26.74%

Run 8: Report of FillP — Data Link

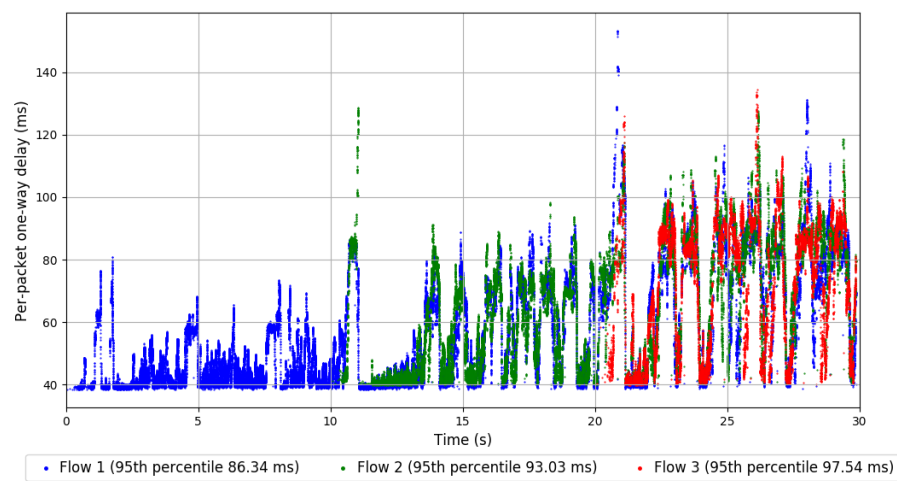
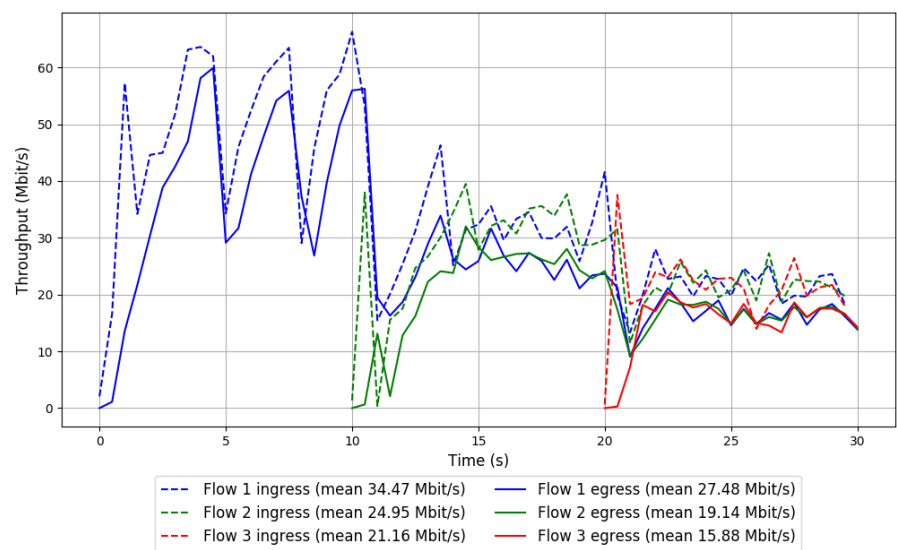


Run 9: Statistics of FillP

Start at: 2018-06-30 18:47:17  
End at: 2018-06-30 18:47:47  
Local clock offset: 4.547 ms  
Remote clock offset: -8.709 ms

# Below is generated by plot.py at 2018-06-30 19:54:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.40 Mbit/s  
95th percentile per-packet one-way delay: 91.144 ms  
Loss rate: 22.09%  
-- Flow 1:  
Average throughput: 27.48 Mbit/s  
95th percentile per-packet one-way delay: 86.342 ms  
Loss rate: 20.55%  
-- Flow 2:  
Average throughput: 19.14 Mbit/s  
95th percentile per-packet one-way delay: 93.032 ms  
Loss rate: 23.72%  
-- Flow 3:  
Average throughput: 15.88 Mbit/s  
95th percentile per-packet one-way delay: 97.537 ms  
Loss rate: 25.79%

Run 9: Report of FillP — Data Link

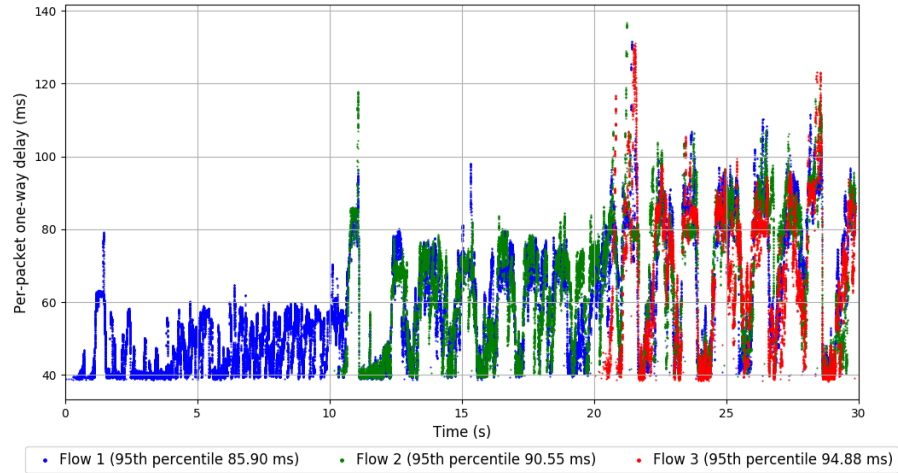
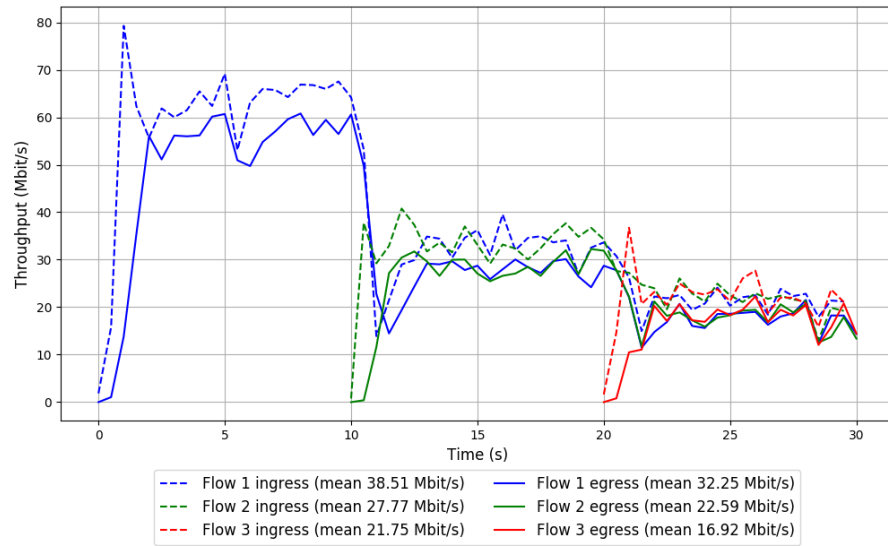


Run 10: Statistics of FillP

Start at: 2018-06-30 19:22:15  
End at: 2018-06-30 19:22:45  
Local clock offset: 2.751 ms  
Remote clock offset: -9.017 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 52.80 Mbit/s  
95th percentile per-packet one-way delay: 88.701 ms  
Loss rate: 18.02%  
-- Flow 1:  
Average throughput: 32.25 Mbit/s  
95th percentile per-packet one-way delay: 85.904 ms  
Loss rate: 16.55%  
-- Flow 2:  
Average throughput: 22.59 Mbit/s  
95th percentile per-packet one-way delay: 90.547 ms  
Loss rate: 19.13%  
-- Flow 3:  
Average throughput: 16.92 Mbit/s  
95th percentile per-packet one-way delay: 94.878 ms  
Loss rate: 23.02%

# Run 10: Report of FillP — Data Link



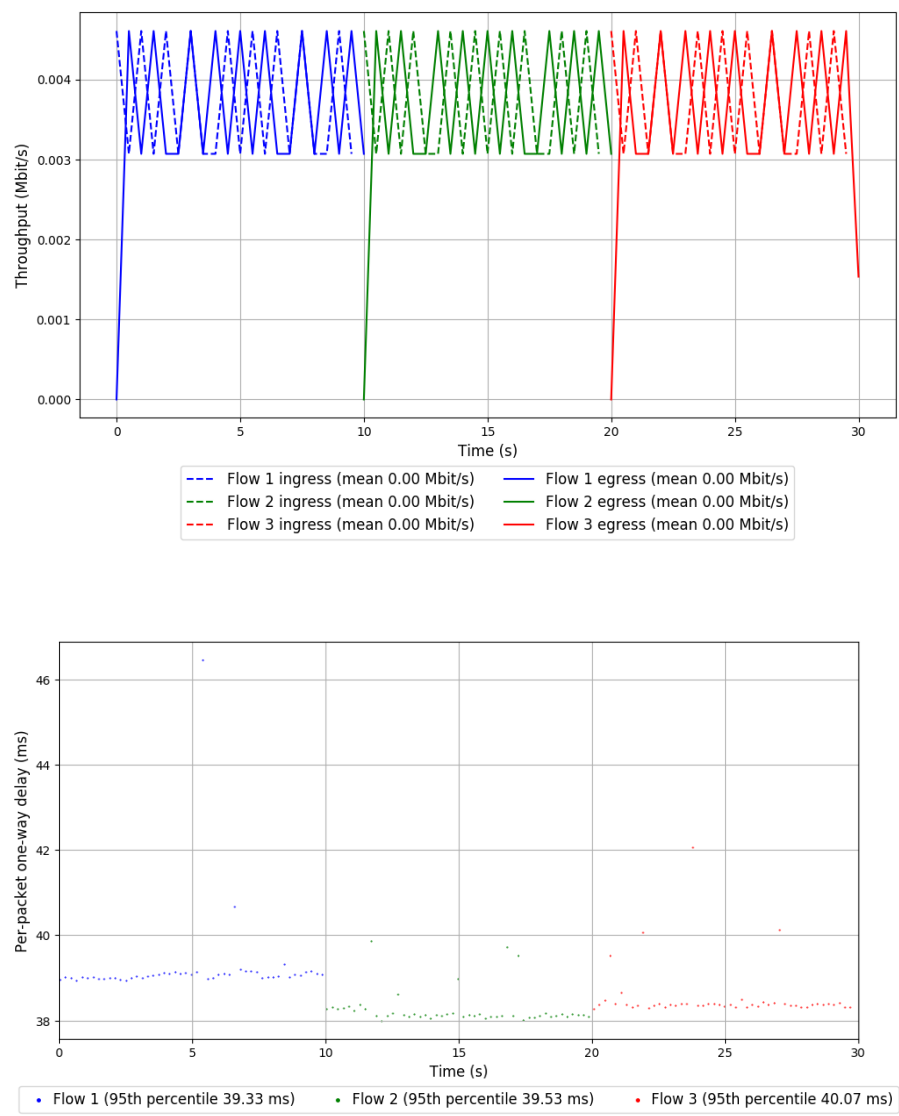
Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 14:28:50  
End at: 2018-06-30 14:29:20  
Local clock offset: -0.763 ms  
Remote clock offset: -10.201 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.532 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.325 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.532 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.067 ms  
Loss rate: 2.04%



Run 1: Report of FillP-Sheep — Data Link

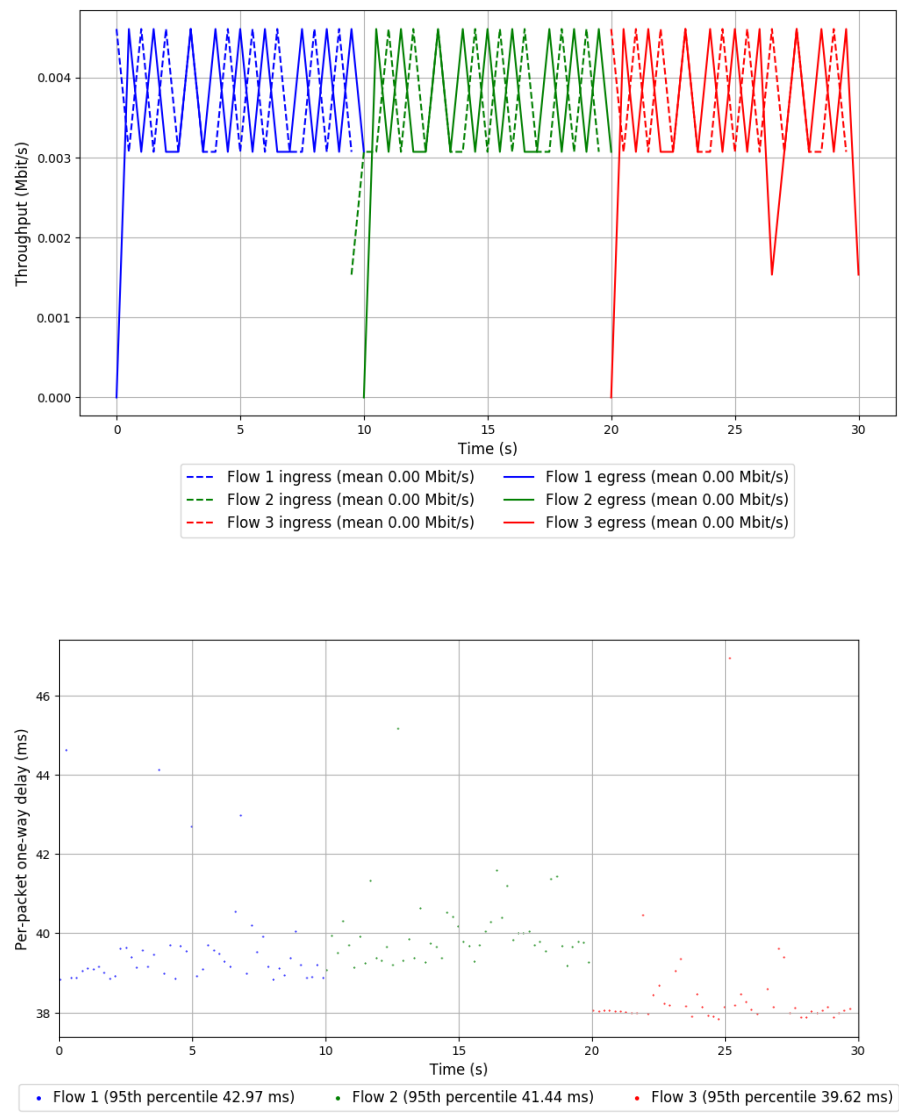


Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 15:02:41  
End at: 2018-06-30 15:03:11  
Local clock offset: 3.758 ms  
Remote clock offset: -11.096 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.438 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 42.973 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.438 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.623 ms  
Loss rate: 4.08%

Run 2: Report of FillP-Sheep — Data Link

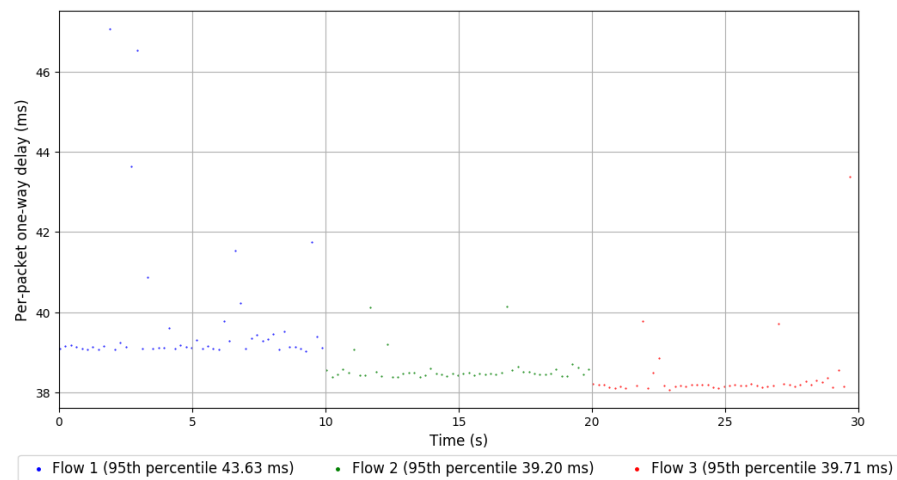
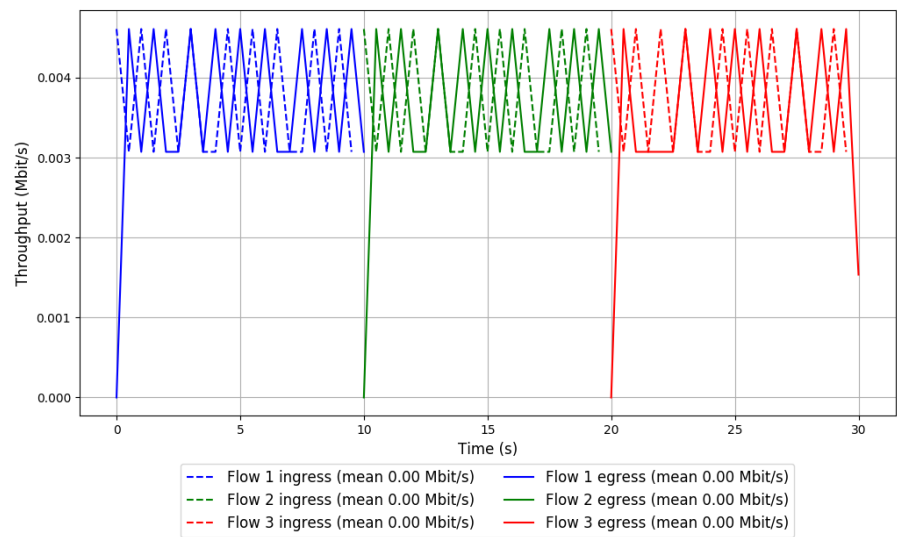


Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 15:37:16  
End at: 2018-06-30 15:37:46  
Local clock offset: 5.48 ms  
Remote clock offset: -10.429 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.225 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 43.632 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.203 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.709 ms  
Loss rate: 4.08%

Run 3: Report of FillP-Sheep — Data Link

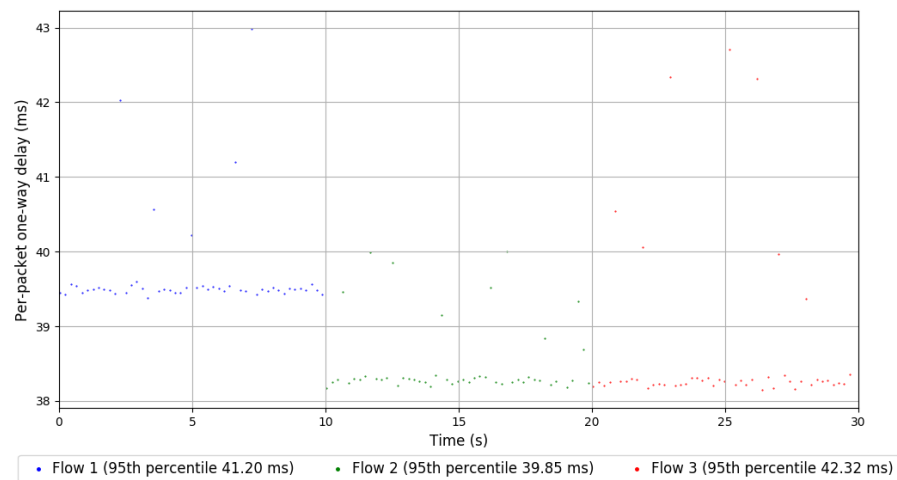
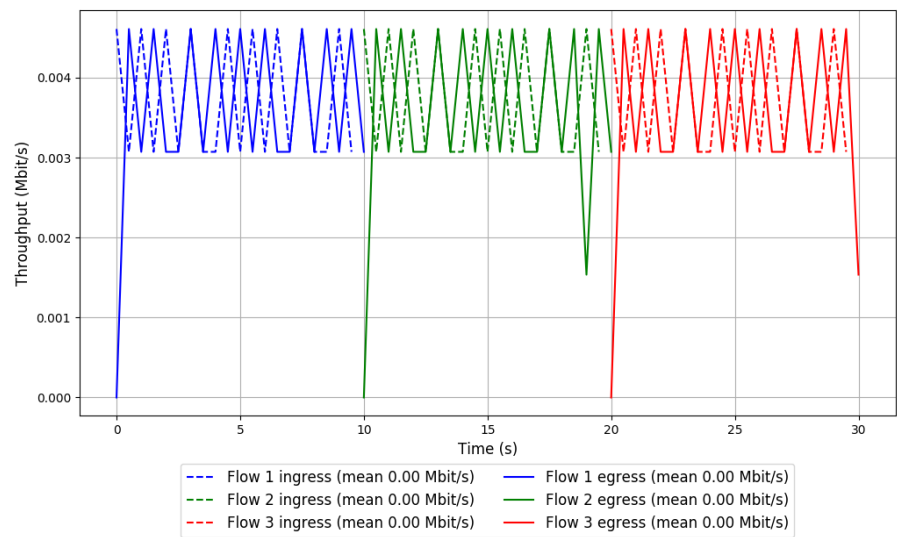


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 16:11:19  
End at: 2018-06-30 16:11:49  
Local clock offset: 7.057 ms  
Remote clock offset: -9.946 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.544 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.202 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.847 ms  
Loss rate: 2.04%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 42.318 ms  
Loss rate: 2.04%

Run 4: Report of FillP-Sheep — Data Link



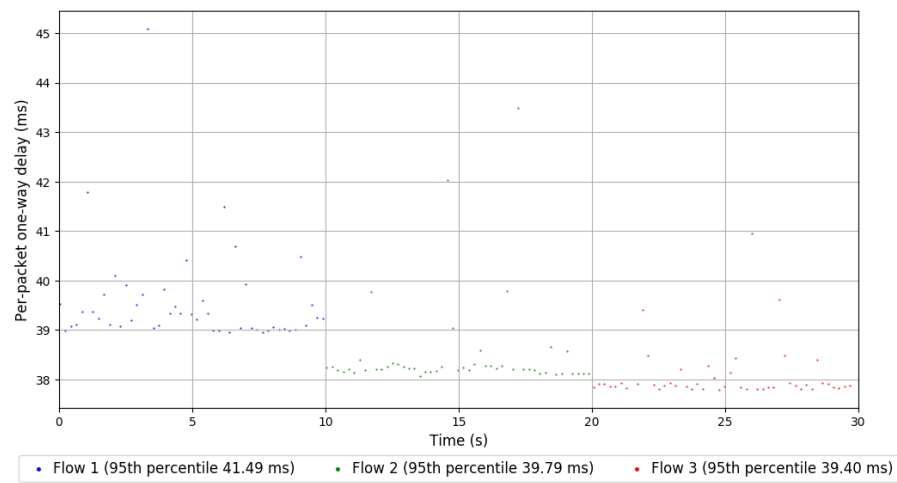
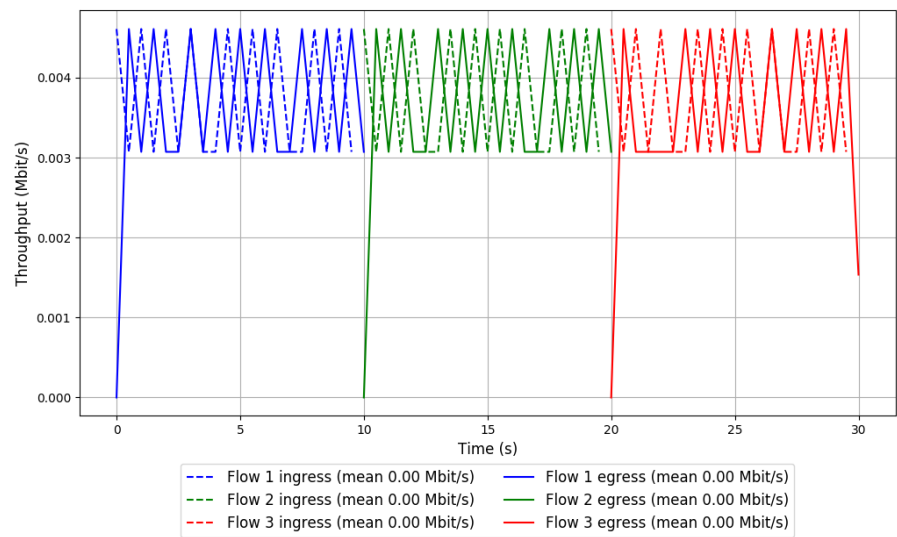
Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 16:43:49  
End at: 2018-06-30 16:44:19  
Local clock offset: -6.23 ms  
Remote clock offset: -10.115 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.477 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.493 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.786 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.404 ms  
Loss rate: 4.08%



Run 5: Report of FillP-Sheep — Data Link

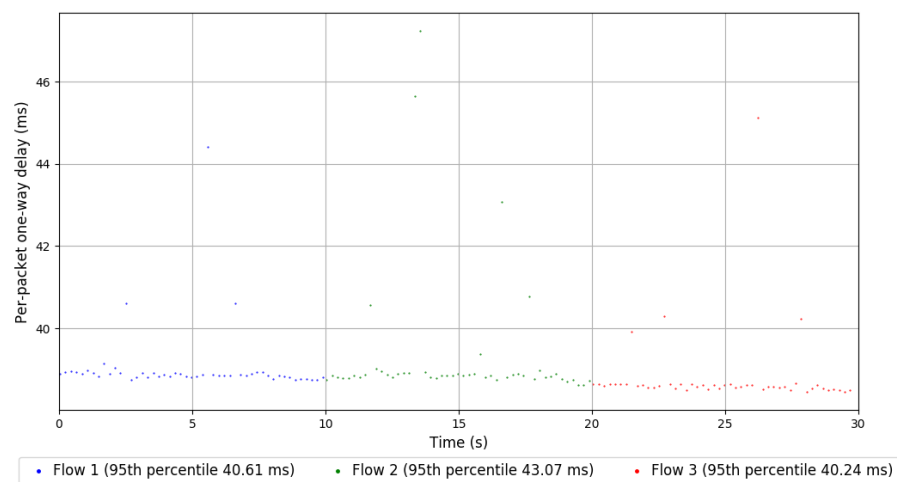
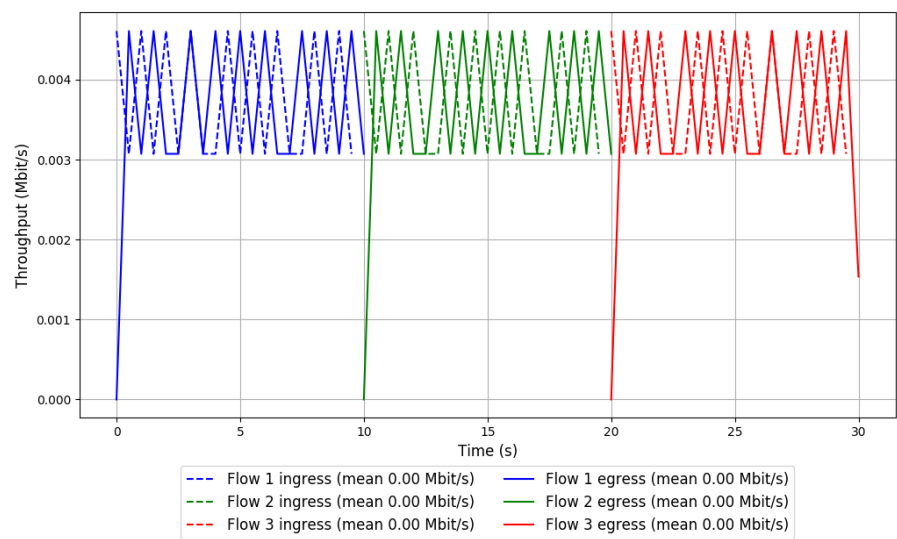


Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 17:16:49  
End at: 2018-06-30 17:17:19  
Local clock offset: -7.688 ms  
Remote clock offset: -8.866 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.612 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.612 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 43.071 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.236 ms  
Loss rate: 2.04%

Run 6: Report of FillP-Sheep — Data Link

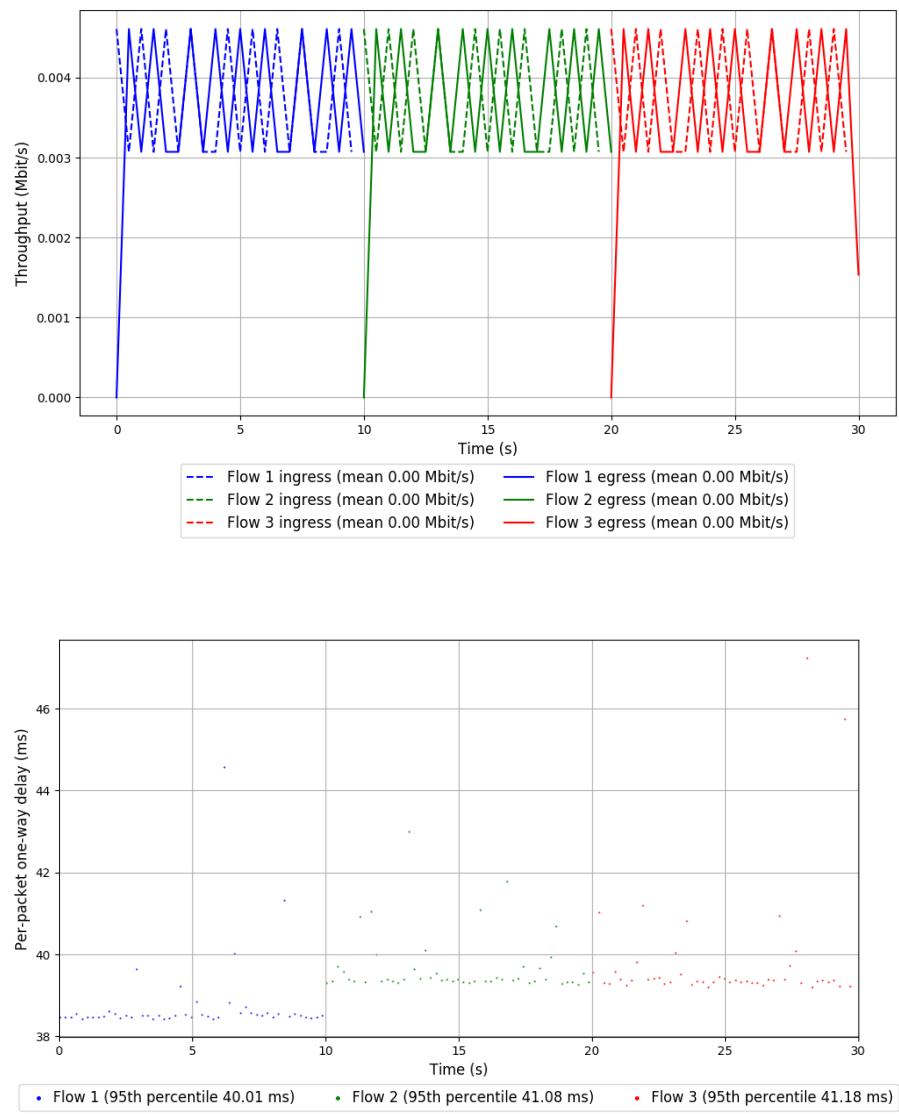


Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 17:50:20  
End at: 2018-06-30 17:50:50  
Local clock offset: 2.715 ms  
Remote clock offset: -7.897 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.080 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.013 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.080 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 41.183 ms  
Loss rate: 2.04%

Run 7: Report of FillP-Sheep — Data Link

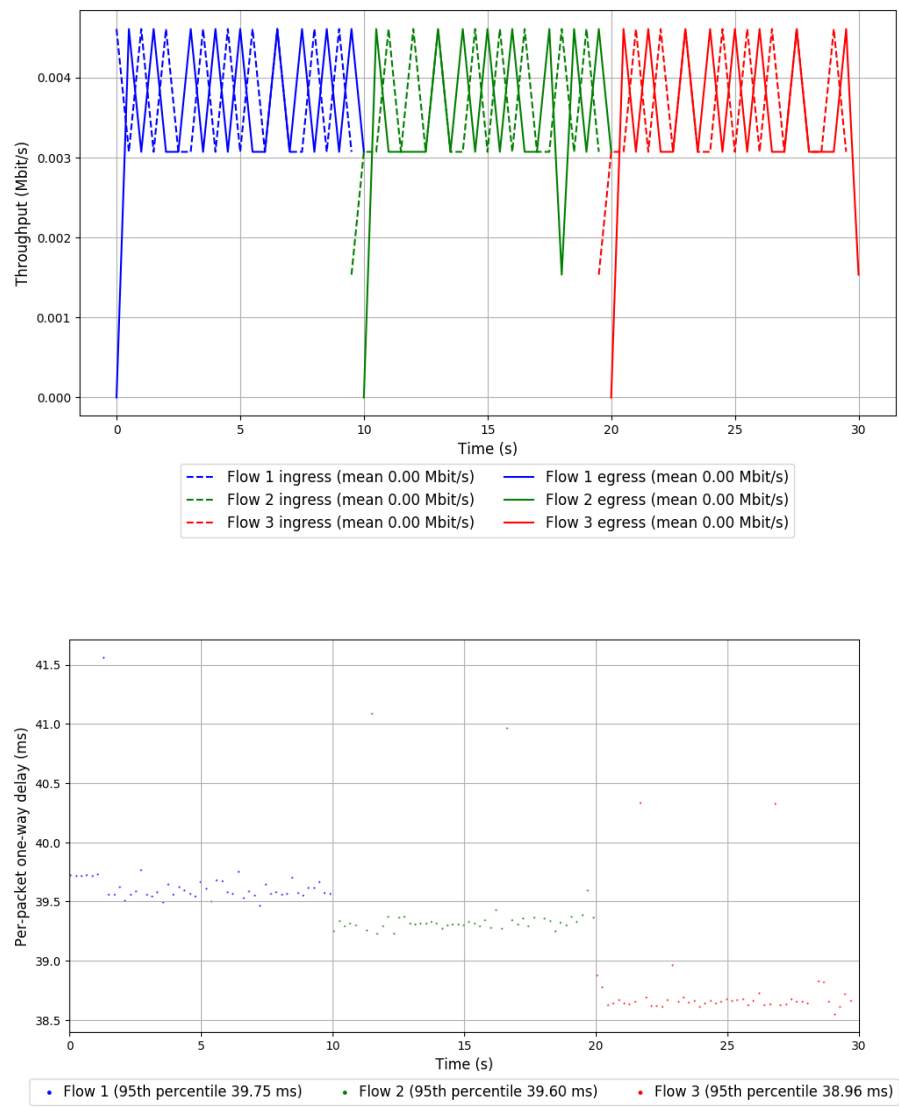


Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 18:25:10  
End at: 2018-06-30 18:25:40  
Local clock offset: 5.457 ms  
Remote clock offset: -8.537 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.730 ms  
Loss rate: 2.72%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.754 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.596 ms  
Loss rate: 4.08%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 38.964 ms  
Loss rate: 4.08%

Run 8: Report of FillP-Sheep — Data Link



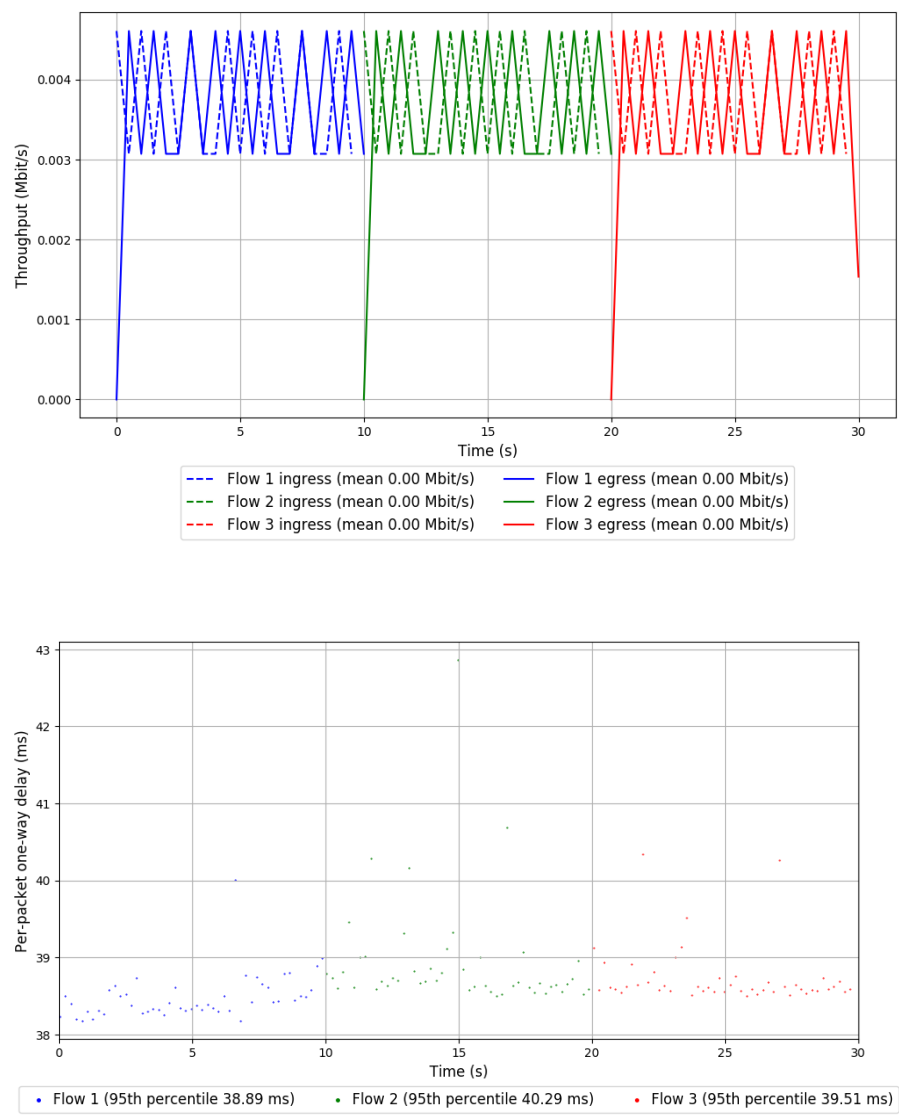
Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 18:57:55  
End at: 2018-06-30 18:58:25  
Local clock offset: 2.032 ms  
Remote clock offset: -8.503 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.510 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 38.886 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 40.290 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 39.510 ms  
Loss rate: 2.04%



Run 9: Report of FillP-Sheep — Data Link

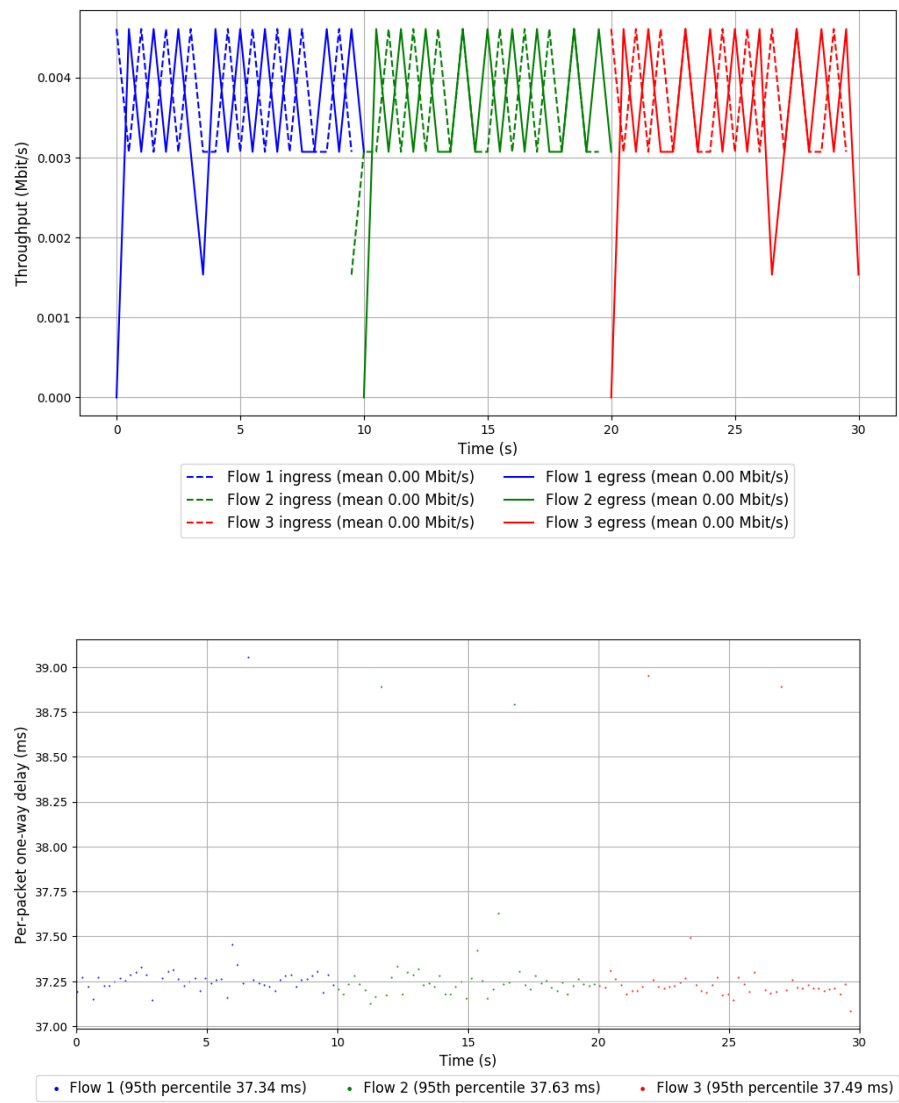


Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 19:33:40  
End at: 2018-06-30 19:34:10  
Local clock offset: 4.009 ms  
Remote clock offset: -8.537 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 37.457 ms  
Loss rate: 2.04%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 37.341 ms  
Loss rate: 2.04%  
-- Flow 2:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 37.628 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 37.491 ms  
Loss rate: 4.08%

Run 10: Report of FillP-Sheep — Data Link

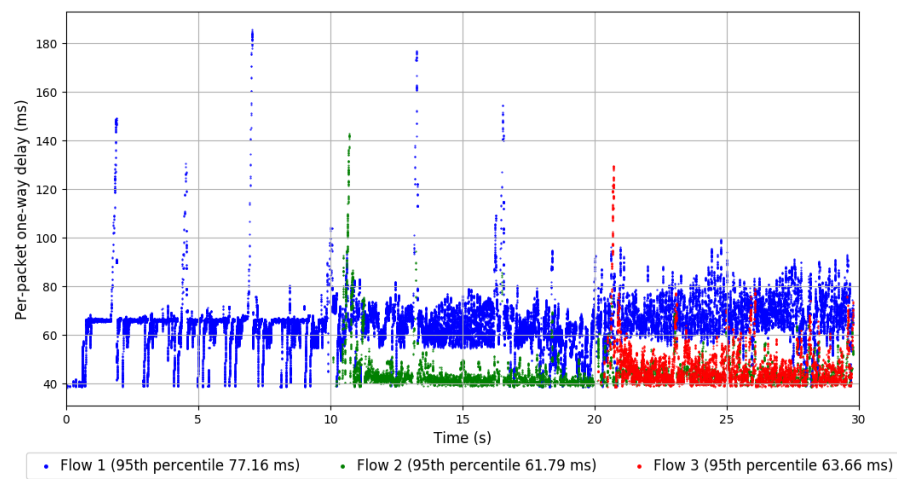
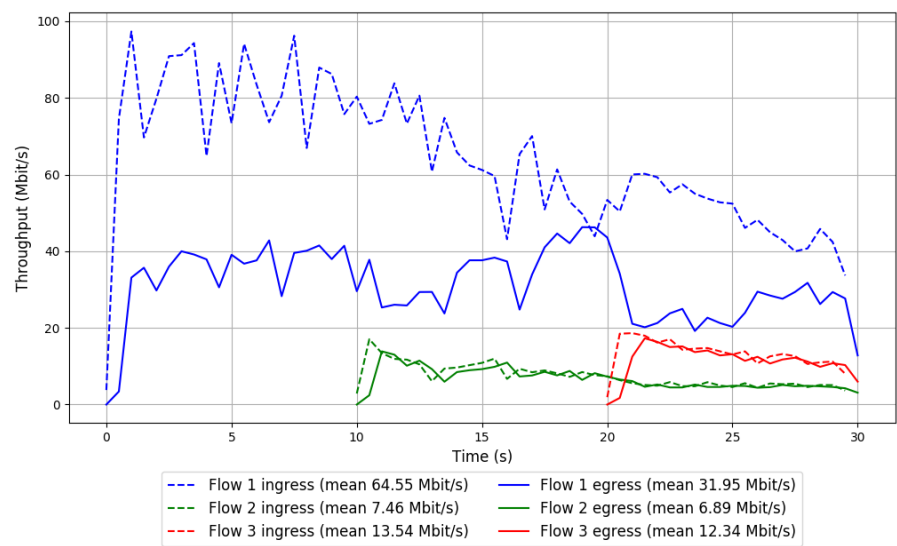


Run 1: Statistics of Indigo

Start at: 2018-06-30 14:20:44  
End at: 2018-06-30 14:21:14  
Local clock offset: -0.364 ms  
Remote clock offset: -9.416 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 40.50 Mbit/s  
95th percentile per-packet one-way delay: 76.260 ms  
Loss rate: 45.41%  
-- Flow 1:  
Average throughput: 31.95 Mbit/s  
95th percentile per-packet one-way delay: 77.155 ms  
Loss rate: 50.70%  
-- Flow 2:  
Average throughput: 6.89 Mbit/s  
95th percentile per-packet one-way delay: 61.793 ms  
Loss rate: 8.16%  
-- Flow 3:  
Average throughput: 12.34 Mbit/s  
95th percentile per-packet one-way delay: 63.661 ms  
Loss rate: 9.89%

Run 1: Report of Indigo — Data Link

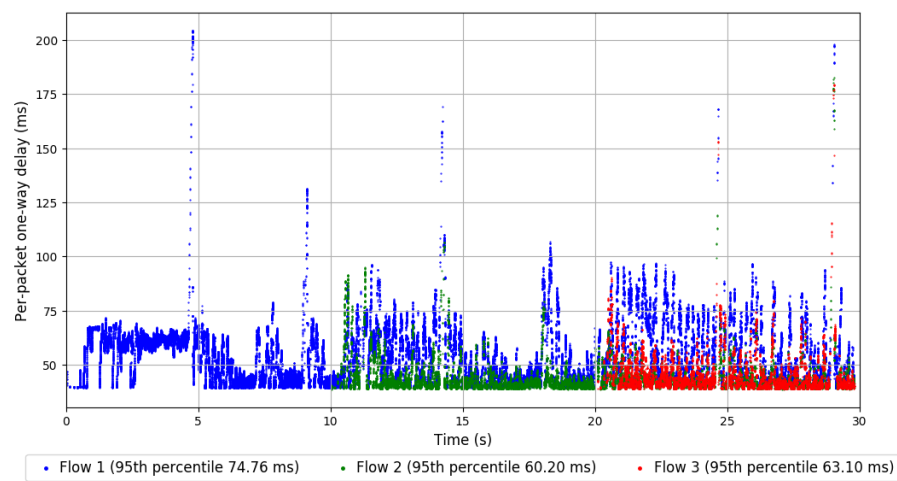
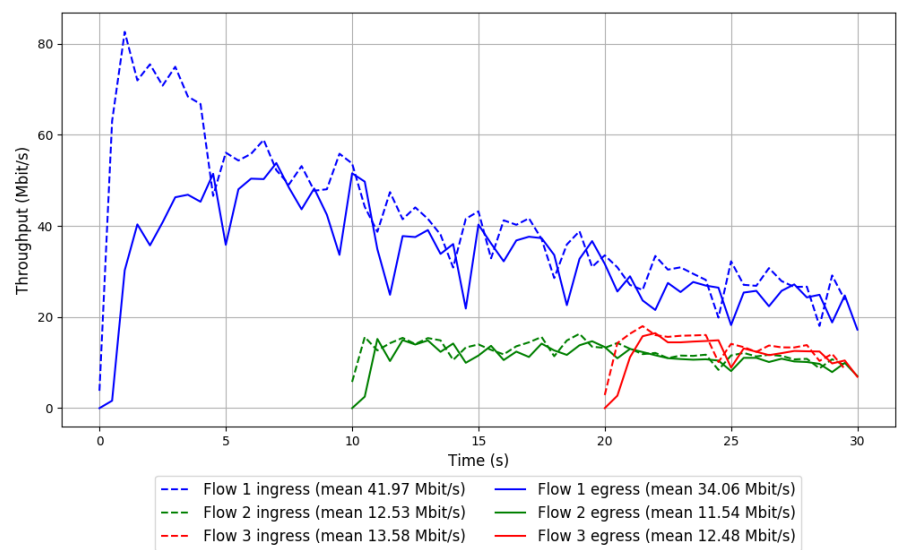


Run 2: Statistics of Indigo

Start at: 2018-06-30 14:55:21  
End at: 2018-06-30 14:55:51  
Local clock offset: 2.669 ms  
Remote clock offset: -10.881 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.77 Mbit/s  
95th percentile per-packet one-way delay: 72.857 ms  
Loss rate: 16.69%  
-- Flow 1:  
Average throughput: 34.06 Mbit/s  
95th percentile per-packet one-way delay: 74.757 ms  
Loss rate: 19.14%  
-- Flow 2:  
Average throughput: 11.54 Mbit/s  
95th percentile per-packet one-way delay: 60.202 ms  
Loss rate: 8.40%  
-- Flow 3:  
Average throughput: 12.48 Mbit/s  
95th percentile per-packet one-way delay: 63.101 ms  
Loss rate: 9.07%

Run 2: Report of Indigo — Data Link



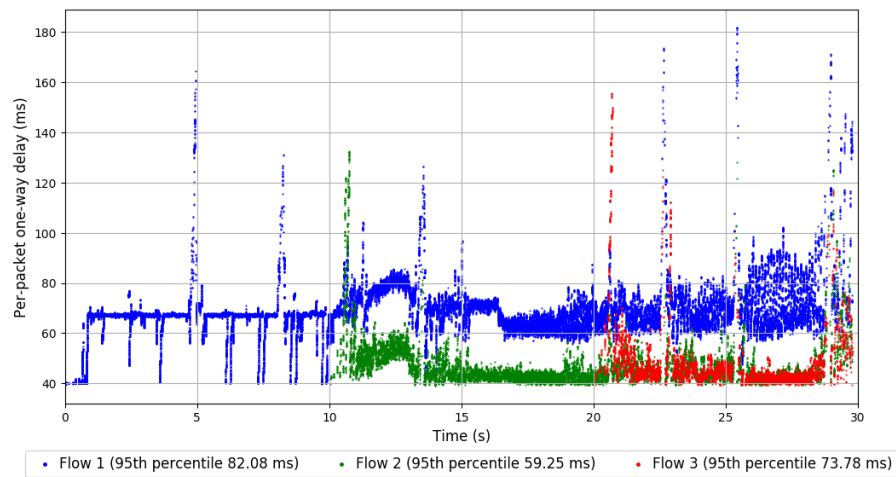
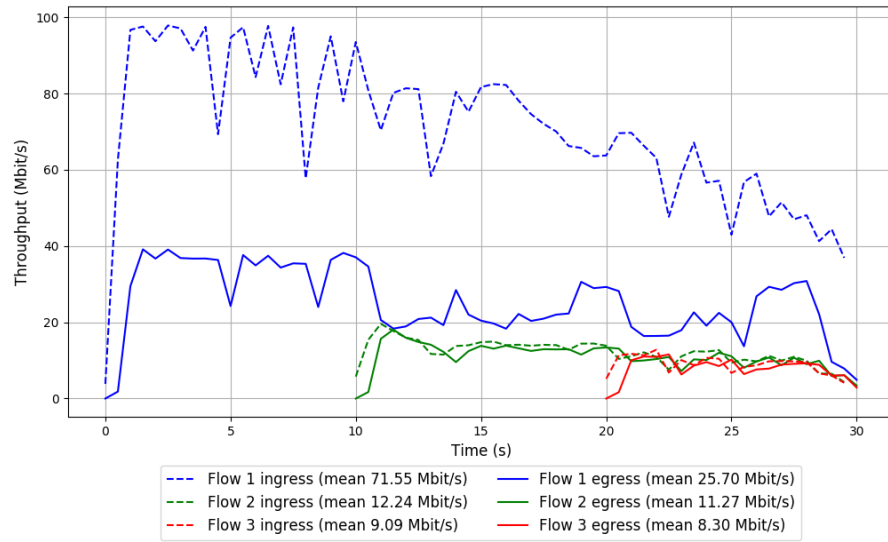
Run 3: Statistics of Indigo

Start at: 2018-06-30 15:29:28  
End at: 2018-06-30 15:29:58  
Local clock offset: 5.217 ms  
Remote clock offset: -10.616 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 35.88 Mbit/s  
95th percentile per-packet one-way delay: 80.775 ms  
Loss rate: 56.75%  
-- Flow 1:  
Average throughput: 25.70 Mbit/s  
95th percentile per-packet one-way delay: 82.084 ms  
Loss rate: 64.21%  
-- Flow 2:  
Average throughput: 11.27 Mbit/s  
95th percentile per-packet one-way delay: 59.251 ms  
Loss rate: 8.32%  
-- Flow 3:  
Average throughput: 8.30 Mbit/s  
95th percentile per-packet one-way delay: 73.779 ms  
Loss rate: 9.59%



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

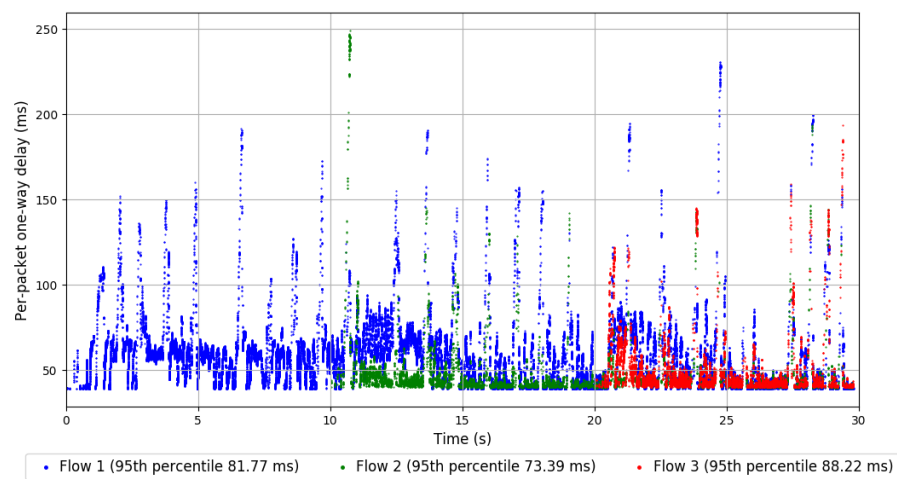
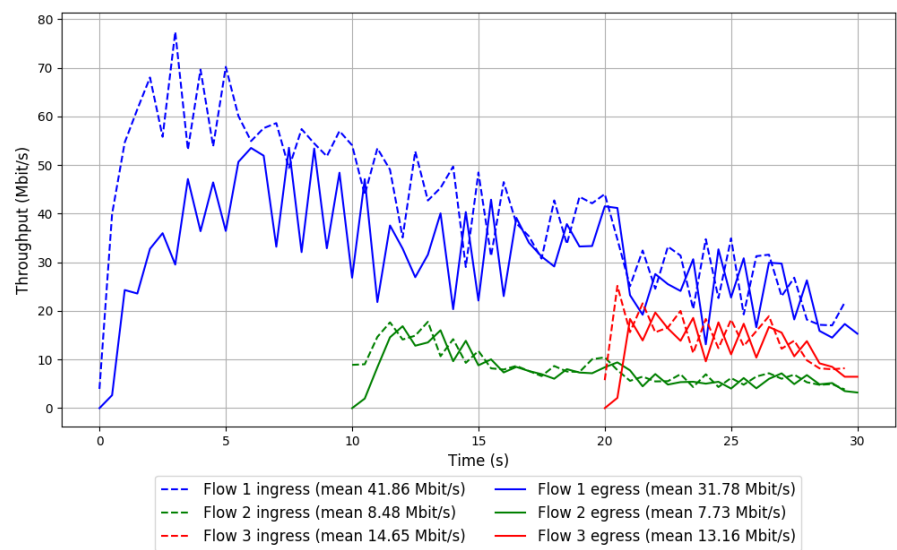


Run 4: Statistics of Indigo

Start at: 2018-06-30 16:04:27  
End at: 2018-06-30 16:04:58  
Local clock offset: 6.549 ms  
Remote clock offset: -10.016 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 41.20 Mbit/s  
95th percentile per-packet one-way delay: 81.628 ms  
Loss rate: 21.51%  
-- Flow 1:  
Average throughput: 31.78 Mbit/s  
95th percentile per-packet one-way delay: 81.773 ms  
Loss rate: 24.34%  
-- Flow 2:  
Average throughput: 7.73 Mbit/s  
95th percentile per-packet one-way delay: 73.391 ms  
Loss rate: 9.40%  
-- Flow 3:  
Average throughput: 13.16 Mbit/s  
95th percentile per-packet one-way delay: 88.223 ms  
Loss rate: 11.15%

Run 4: Report of Indigo — Data Link

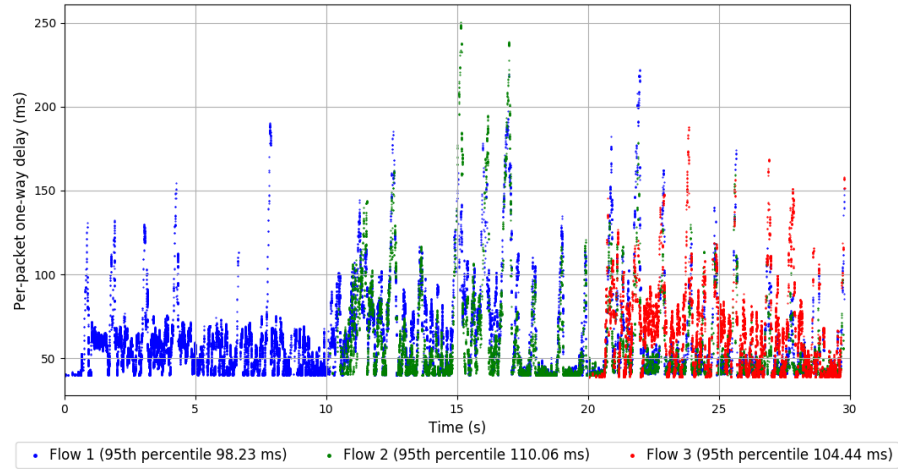
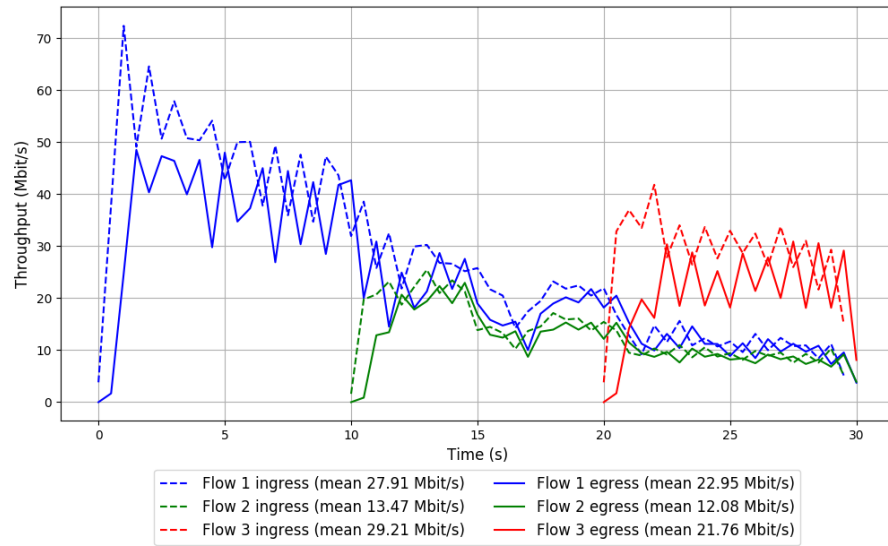


Run 5: Statistics of Indigo

Start at: 2018-06-30 16:36:57  
End at: 2018-06-30 16:37:27  
Local clock offset: -4.859 ms  
Remote clock offset: -9.915 ms

# Below is generated by plot.py at 2018-06-30 19:54:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 38.04 Mbit/s  
95th percentile per-packet one-way delay: 102.067 ms  
Loss rate: 18.38%  
-- Flow 1:  
Average throughput: 22.95 Mbit/s  
95th percentile per-packet one-way delay: 98.234 ms  
Loss rate: 18.06%  
-- Flow 2:  
Average throughput: 12.08 Mbit/s  
95th percentile per-packet one-way delay: 110.056 ms  
Loss rate: 10.85%  
-- Flow 3:  
Average throughput: 21.76 Mbit/s  
95th percentile per-packet one-way delay: 104.437 ms  
Loss rate: 26.28%

## Run 5: Report of Indigo — Data Link

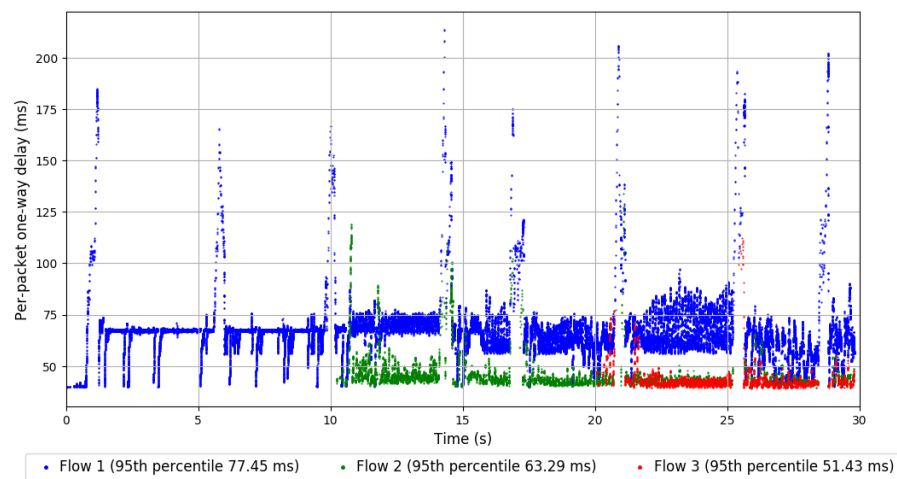
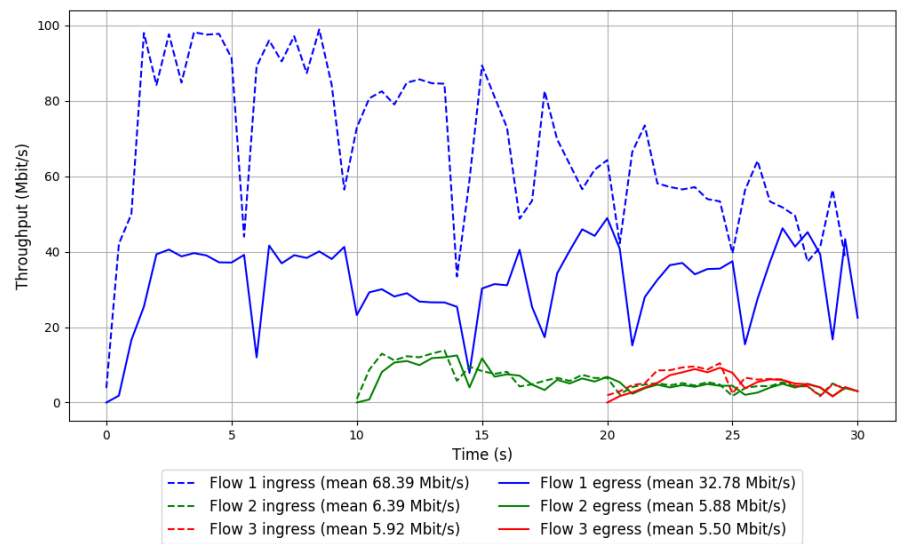


Run 6: Statistics of Indigo

Start at: 2018-06-30 17:09:42  
End at: 2018-06-30 17:10:12  
Local clock offset: -8.459 ms  
Remote clock offset: -9.391 ms

# Below is generated by plot.py at 2018-06-30 19:54:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 38.43 Mbit/s  
95th percentile per-packet one-way delay: 76.565 ms  
Loss rate: 48.63%  
-- Flow 1:  
Average throughput: 32.78 Mbit/s  
95th percentile per-packet one-way delay: 77.454 ms  
Loss rate: 52.25%  
-- Flow 2:  
Average throughput: 5.88 Mbit/s  
95th percentile per-packet one-way delay: 63.286 ms  
Loss rate: 8.51%  
-- Flow 3:  
Average throughput: 5.50 Mbit/s  
95th percentile per-packet one-way delay: 51.427 ms  
Loss rate: 8.17%

Run 6: Report of Indigo — Data Link



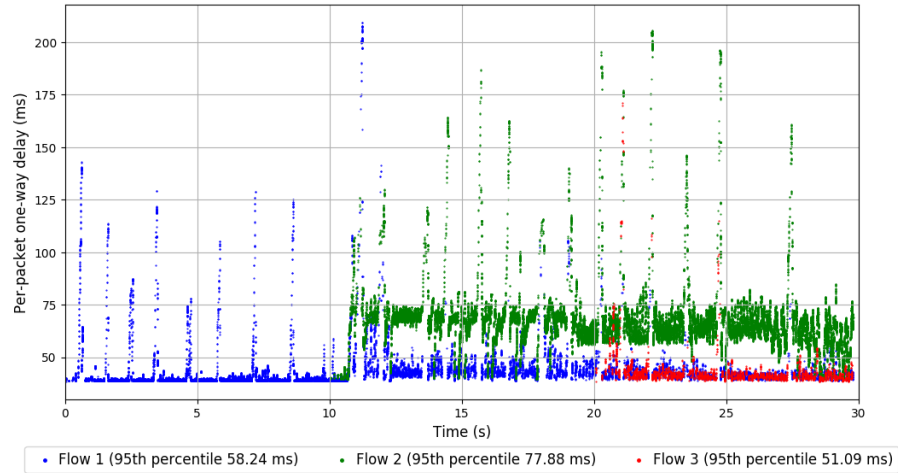
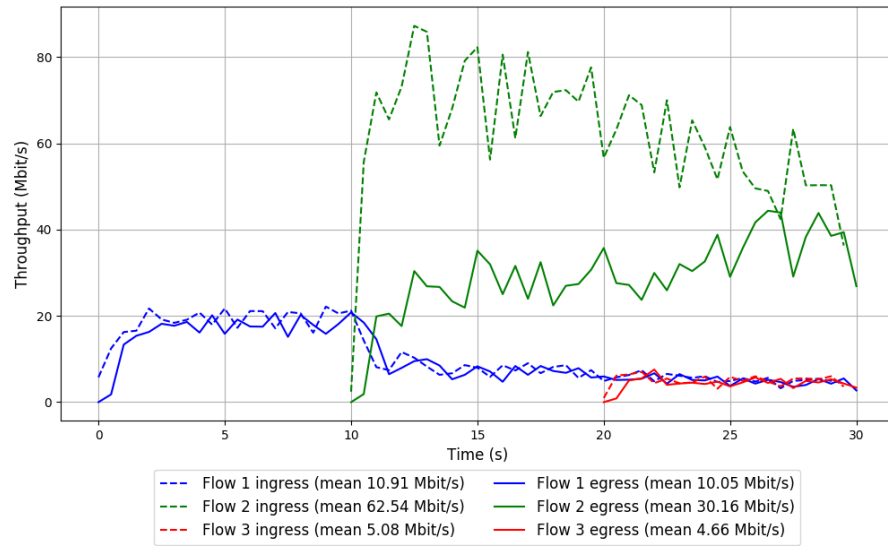
Run 7: Statistics of Indigo

Start at: 2018-06-30 17:43:10  
End at: 2018-06-30 17:43:40  
Local clock offset: 0.077 ms  
Remote clock offset: -8.046 ms

# Below is generated by plot.py at 2018-06-30 19:54:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 31.58 Mbit/s  
95th percentile per-packet one-way delay: 75.386 ms  
Loss rate: 41.92%  
-- Flow 1:  
Average throughput: 10.05 Mbit/s  
95th percentile per-packet one-way delay: 58.243 ms  
Loss rate: 8.24%  
-- Flow 2:  
Average throughput: 30.16 Mbit/s  
95th percentile per-packet one-way delay: 77.881 ms  
Loss rate: 52.06%  
-- Flow 3:  
Average throughput: 4.66 Mbit/s  
95th percentile per-packet one-way delay: 51.088 ms  
Loss rate: 9.24%



## Run 7: Report of Indigo — Data Link

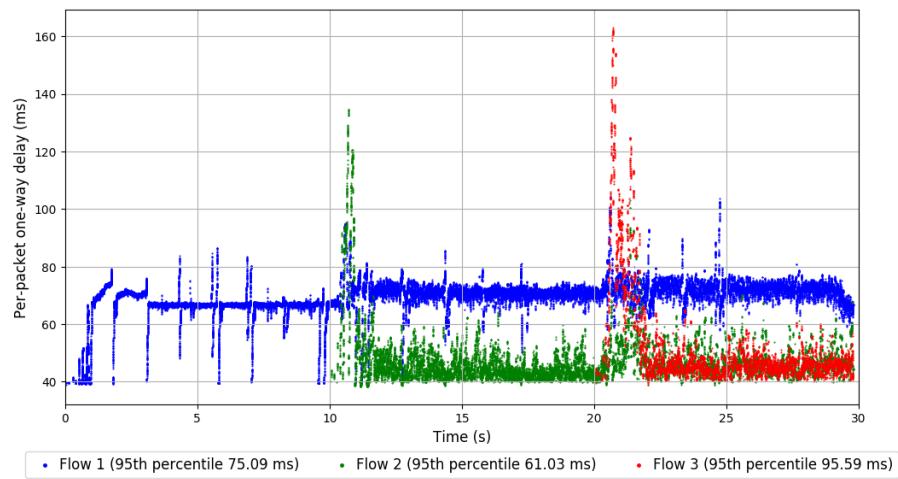
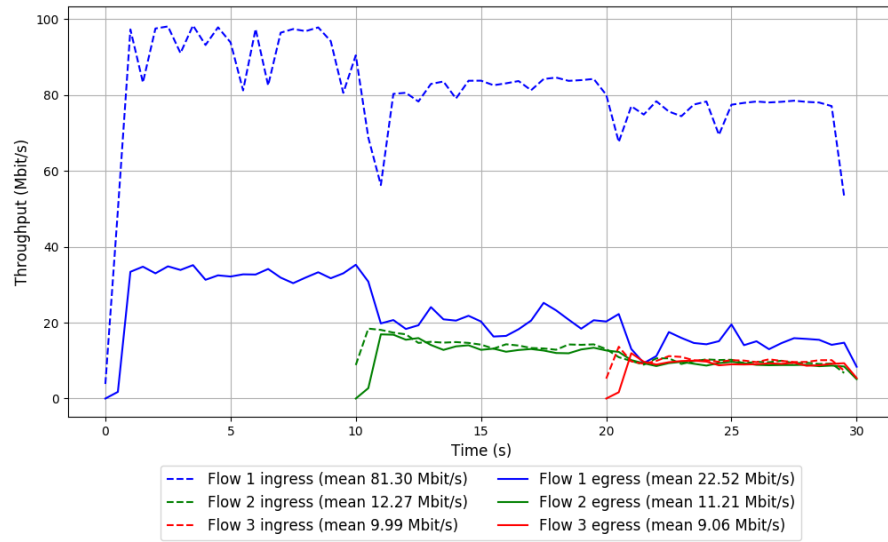


Run 8: Statistics of Indigo

Start at: 2018-06-30 18:17:23  
End at: 2018-06-30 18:17:53  
Local clock offset: 5.997 ms  
Remote clock offset: -7.889 ms

# Below is generated by plot.py at 2018-06-30 19:54:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 32.93 Mbit/s  
95th percentile per-packet one-way delay: 75.111 ms  
Loss rate: 64.62%  
-- Flow 1:  
Average throughput: 22.52 Mbit/s  
95th percentile per-packet one-way delay: 75.090 ms  
Loss rate: 72.39%  
-- Flow 2:  
Average throughput: 11.21 Mbit/s  
95th percentile per-packet one-way delay: 61.029 ms  
Loss rate: 9.11%  
-- Flow 3:  
Average throughput: 9.06 Mbit/s  
95th percentile per-packet one-way delay: 95.592 ms  
Loss rate: 10.28%

## Run 8: Report of Indigo — Data Link

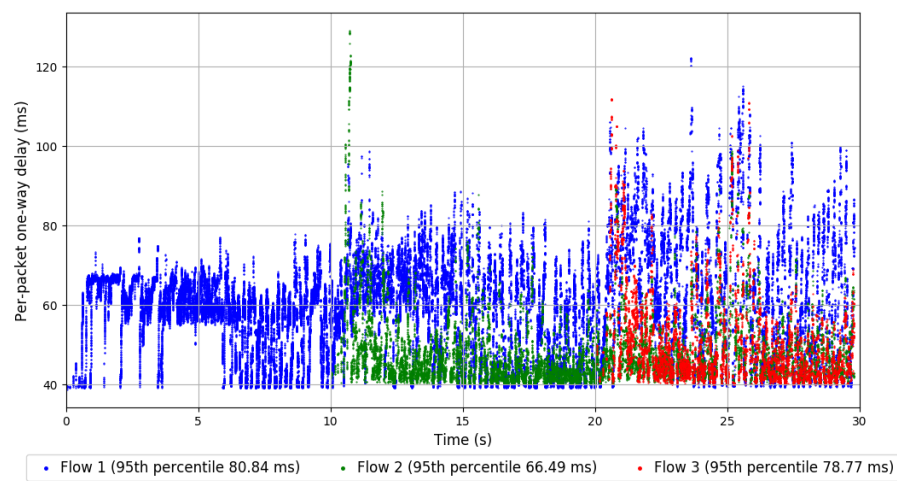
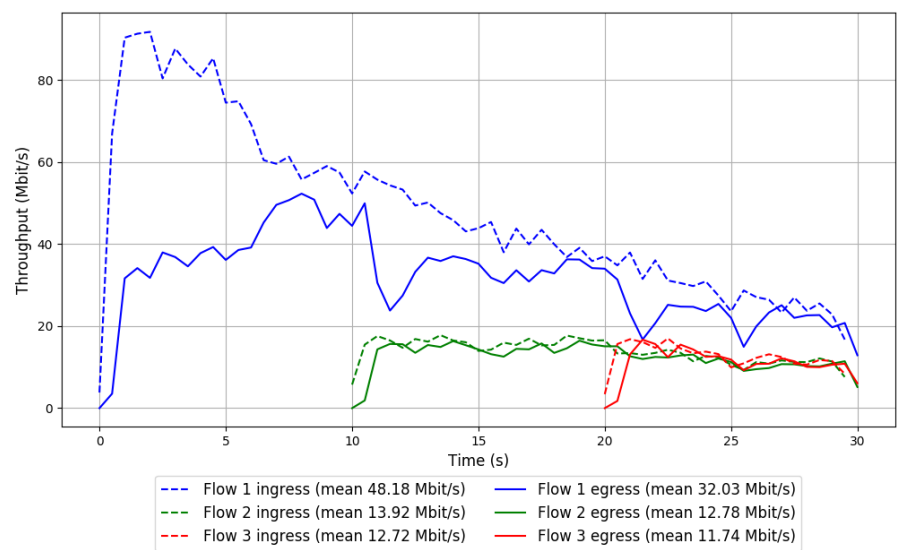


Run 9: Statistics of Indigo

Start at: 2018-06-30 18:50:41  
End at: 2018-06-30 18:51:11  
Local clock offset: 3.442 ms  
Remote clock offset: -8.738 ms

# Below is generated by plot.py at 2018-06-30 19:54:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 44.35 Mbit/s  
95th percentile per-packet one-way delay: 79.383 ms  
Loss rate: 28.28%  
-- Flow 1:  
Average throughput: 32.03 Mbit/s  
95th percentile per-packet one-way delay: 80.841 ms  
Loss rate: 33.75%  
-- Flow 2:  
Average throughput: 12.78 Mbit/s  
95th percentile per-packet one-way delay: 66.490 ms  
Loss rate: 8.69%  
-- Flow 3:  
Average throughput: 11.74 Mbit/s  
95th percentile per-packet one-way delay: 78.770 ms  
Loss rate: 8.76%

Run 9: Report of Indigo — Data Link

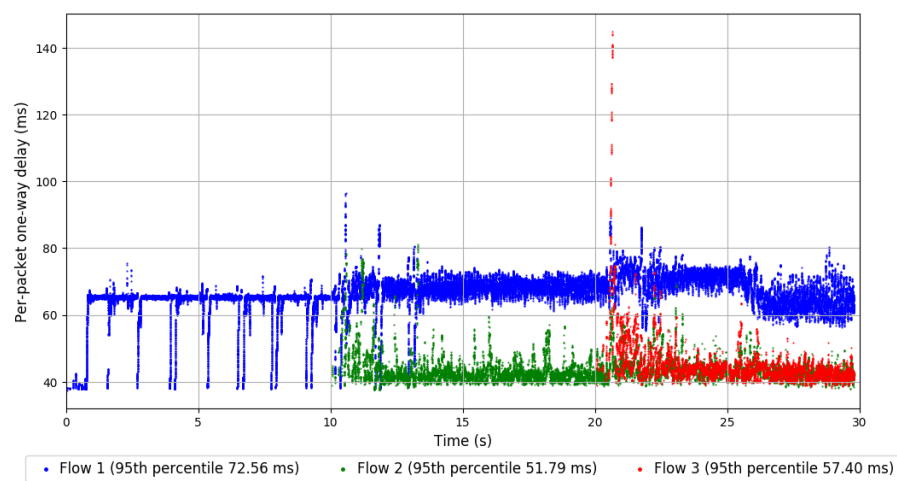
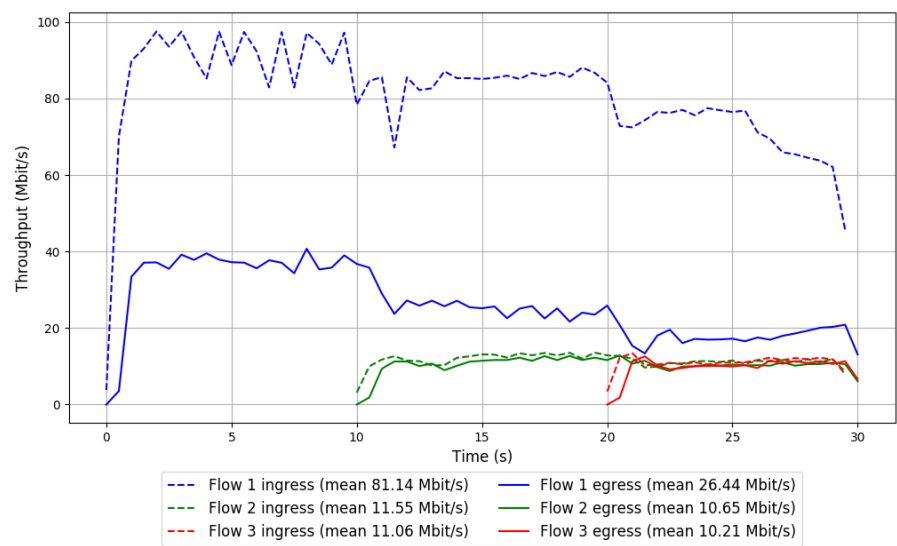


Run 10: Statistics of Indigo

Start at: 2018-06-30 19:25:49  
End at: 2018-06-30 19:26:19  
Local clock offset: 3.117 ms  
Remote clock offset: -8.549 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 36.84 Mbit/s  
95th percentile per-packet one-way delay: 72.011 ms  
Loss rate: 60.29%  
-- Flow 1:  
Average throughput: 26.44 Mbit/s  
95th percentile per-packet one-way delay: 72.564 ms  
Loss rate: 67.53%  
-- Flow 2:  
Average throughput: 10.65 Mbit/s  
95th percentile per-packet one-way delay: 51.789 ms  
Loss rate: 8.25%  
-- Flow 3:  
Average throughput: 10.21 Mbit/s  
95th percentile per-packet one-way delay: 57.404 ms  
Loss rate: 8.69%

Run 10: Report of Indigo — Data Link



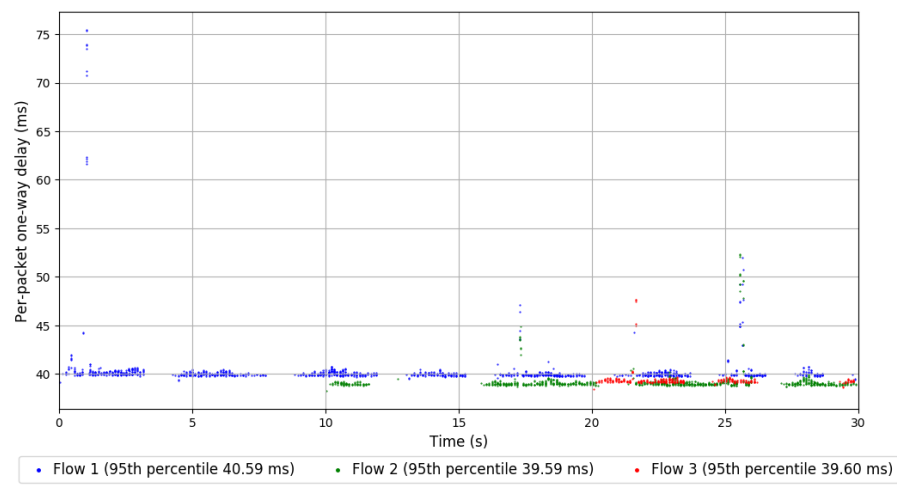
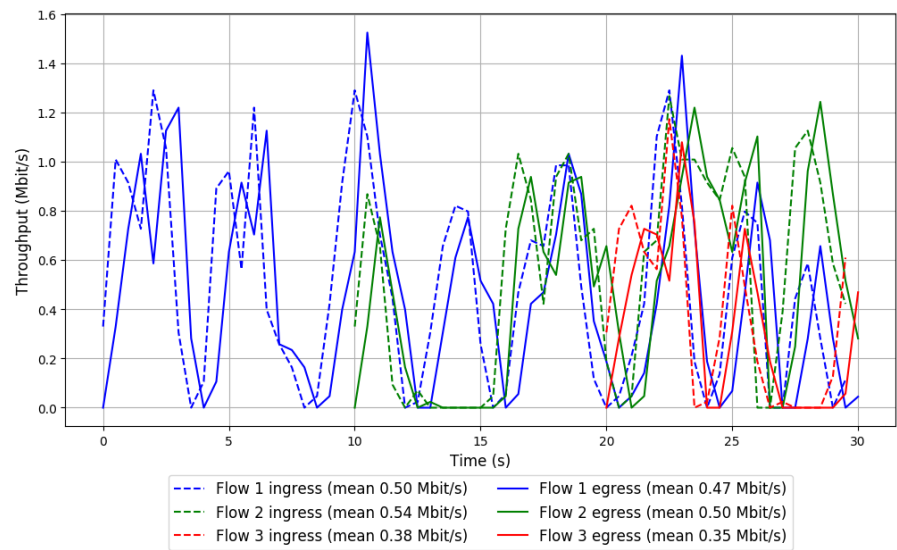
```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 14:32:57
End at: 2018-06-30 14:33:27
Local clock offset: -0.77 ms
Remote clock offset: -10.397 ms

# Below is generated by plot.py at 2018-06-30 19:55:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 40.439 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 40.591 ms
Loss rate: 7.36%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 39.586 ms
Loss rate: 7.73%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 39.596 ms
Loss rate: 9.92%
```



Run 1: Report of LEDBAT — Data Link

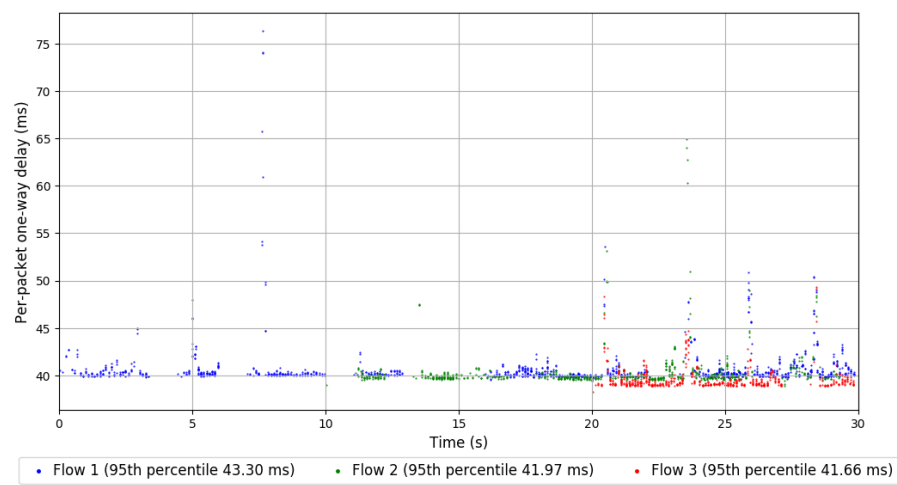
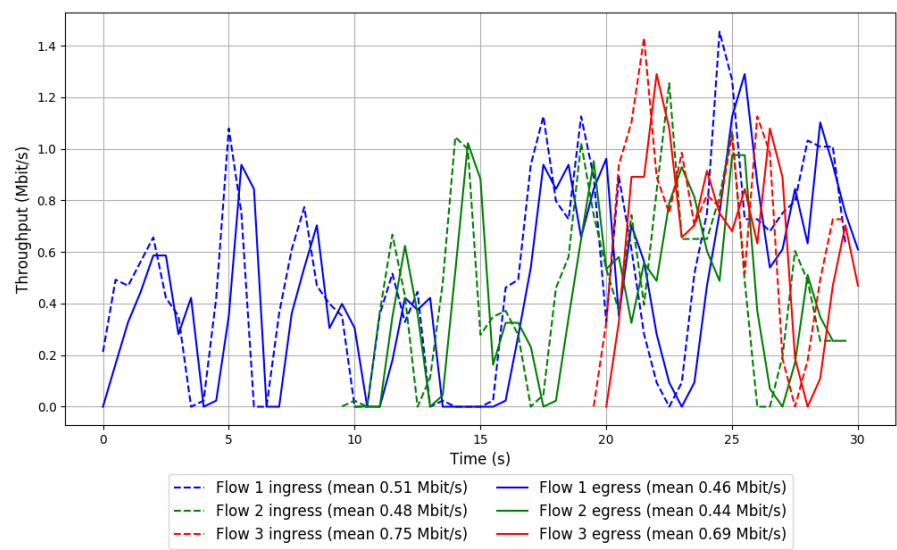


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 15:06:48  
End at: 2018-06-30 15:07:18  
Local clock offset: 4.222 ms  
Remote clock offset: -11.257 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.97 Mbit/s  
95th percentile per-packet one-way delay: 42.836 ms  
Loss rate: 8.62%  
-- Flow 1:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 43.301 ms  
Loss rate: 8.87%  
-- Flow 2:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 41.974 ms  
Loss rate: 8.87%  
-- Flow 3:  
Average throughput: 0.69 Mbit/s  
95th percentile per-packet one-way delay: 41.658 ms  
Loss rate: 7.81%

Run 2: Report of LEDBAT — Data Link

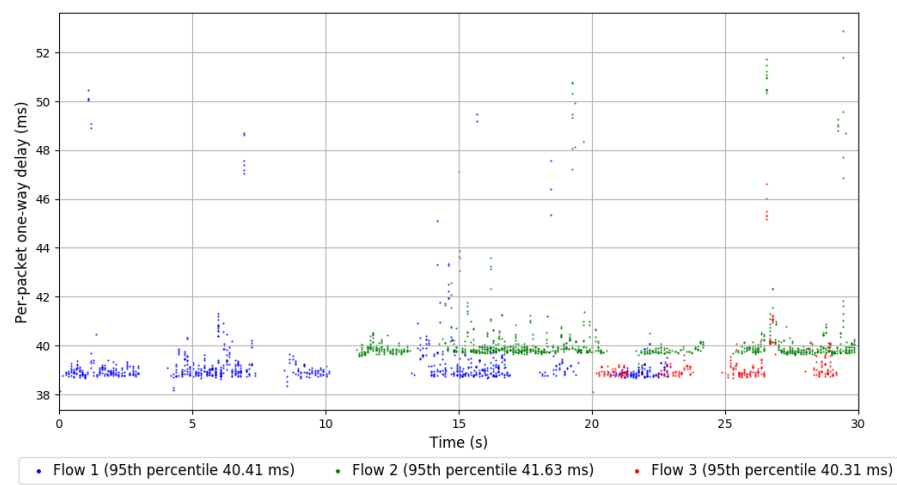
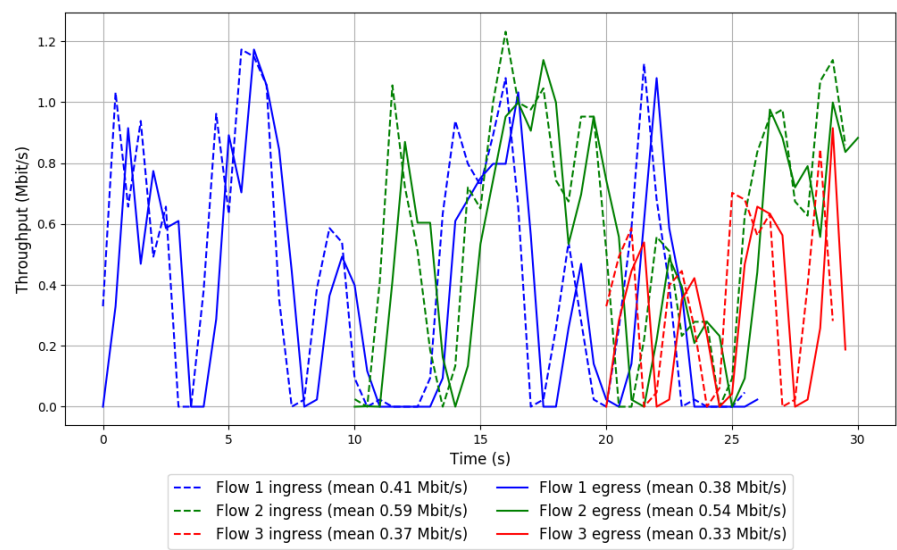


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 15:41:26  
End at: 2018-06-30 15:41:56  
Local clock offset: 5.446 ms  
Remote clock offset: -10.278 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.79 Mbit/s  
95th percentile per-packet one-way delay: 41.053 ms  
Loss rate: 8.85%  
-- Flow 1:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 40.407 ms  
Loss rate: 9.37%  
-- Flow 2:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 41.634 ms  
Loss rate: 7.93%  
-- Flow 3:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 40.306 ms  
Loss rate: 10.37%

Run 3: Report of LEDBAT — Data Link

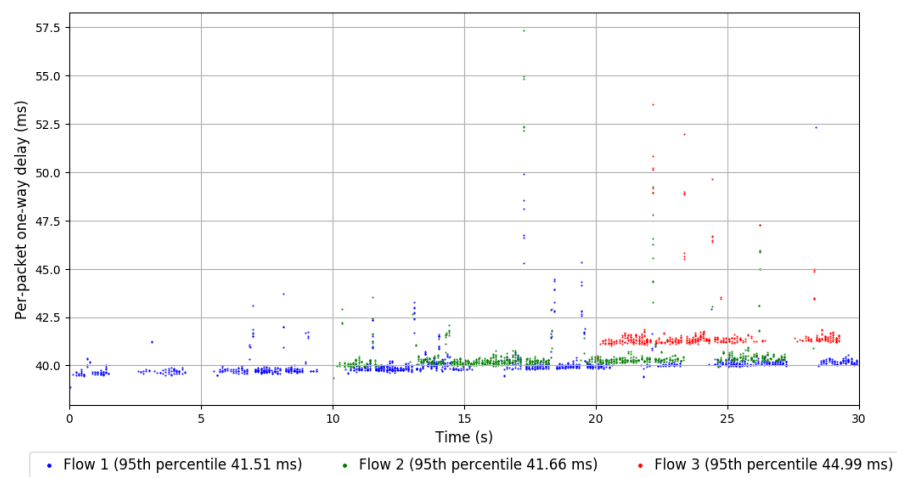
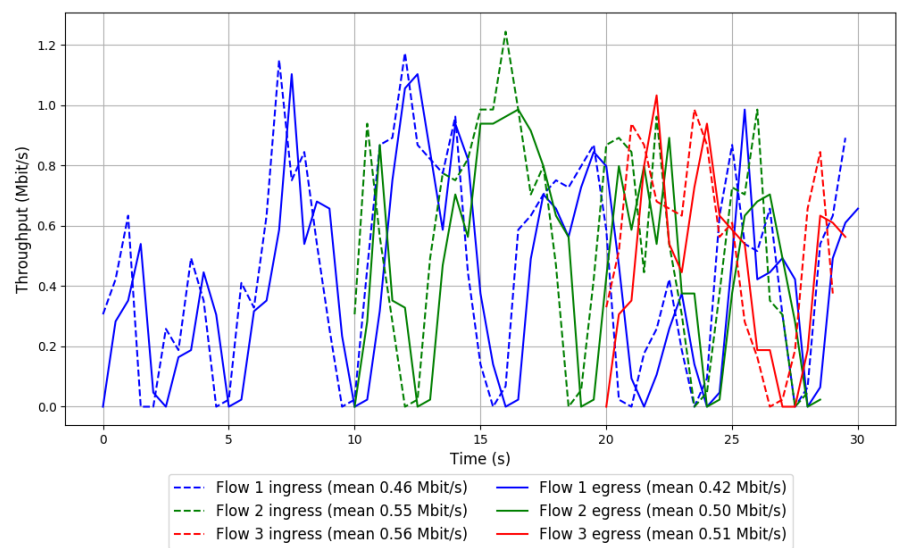


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 16:15:23  
End at: 2018-06-30 16:15:53  
Local clock offset: 7.172 ms  
Remote clock offset: -9.935 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.88 Mbit/s  
95th percentile per-packet one-way delay: 41.721 ms  
Loss rate: 8.57%  
-- Flow 1:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 41.509 ms  
Loss rate: 8.69%  
-- Flow 2:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 41.659 ms  
Loss rate: 8.21%  
-- Flow 3:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 44.991 ms  
Loss rate: 8.98%

Run 4: Report of LEDBAT — Data Link



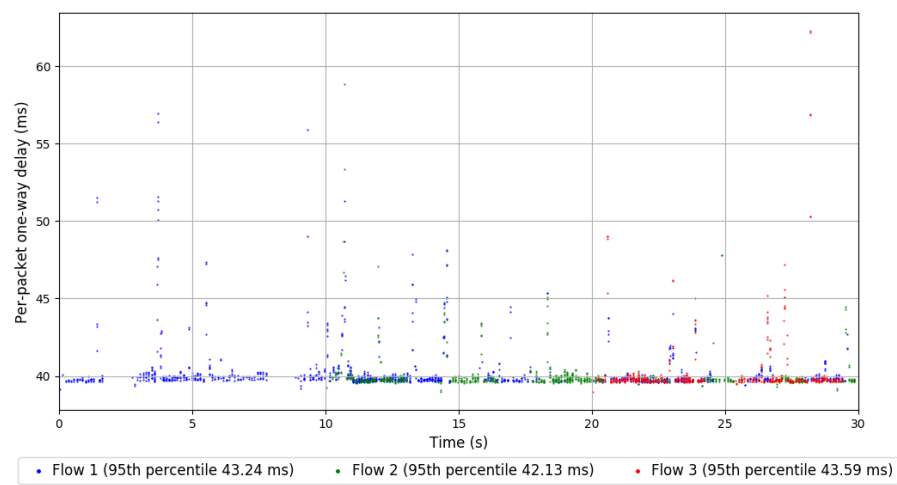
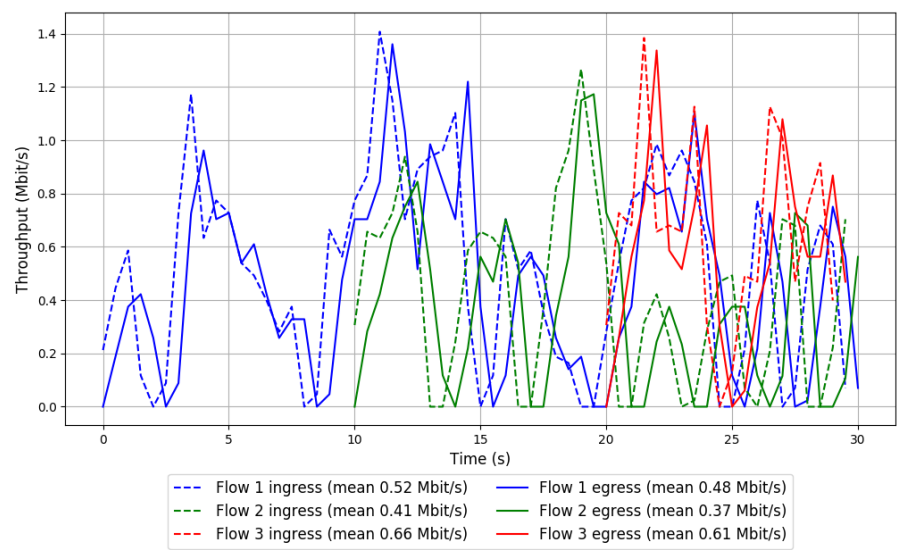
Run 5: Statistics of LEDBAT

Start at: 2018-06-30 16:47:56  
End at: 2018-06-30 16:48:26  
Local clock offset: -6.639 ms  
Remote clock offset: -10.503 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.92 Mbit/s  
95th percentile per-packet one-way delay: 43.089 ms  
Loss rate: 8.02%  
-- Flow 1:  
Average throughput: 0.48 Mbit/s  
95th percentile per-packet one-way delay: 43.241 ms  
Loss rate: 7.92%  
-- Flow 2:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 42.129 ms  
Loss rate: 8.92%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 43.594 ms  
Loss rate: 7.07%



Run 5: Report of LEDBAT — Data Link

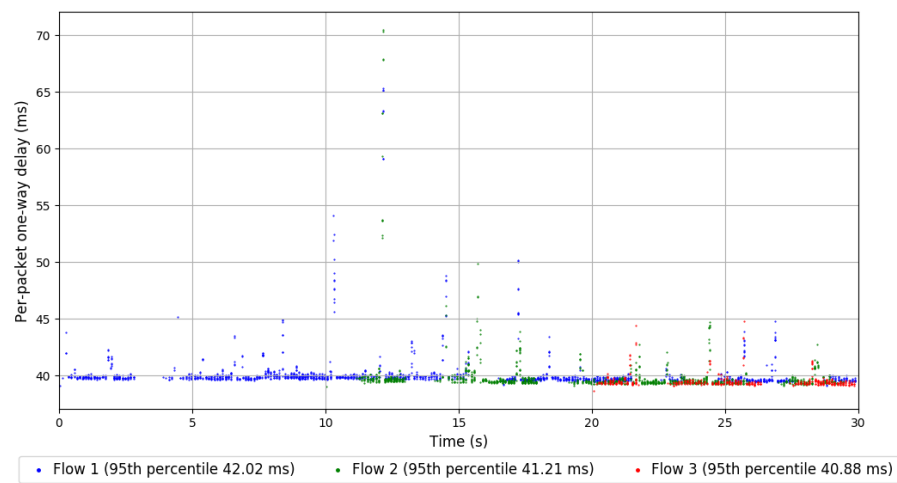
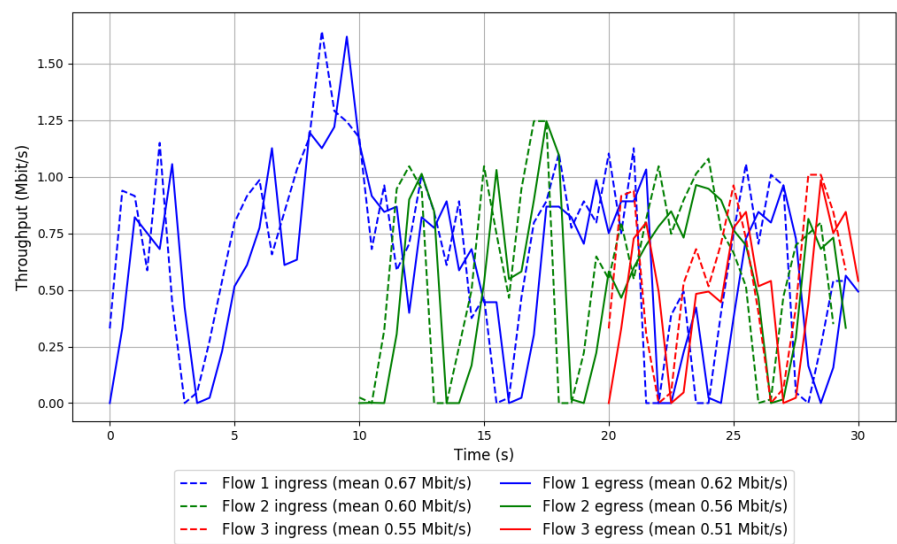


Run 6: Statistics of LEDBAT

Start at: 2018-06-30 17:20:52  
End at: 2018-06-30 17:21:22  
Local clock offset: -4.645 ms  
Remote clock offset: -8.685 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.16 Mbit/s  
95th percentile per-packet one-way delay: 41.560 ms  
Loss rate: 6.92%  
-- Flow 1:  
Average throughput: 0.62 Mbit/s  
95th percentile per-packet one-way delay: 42.022 ms  
Loss rate: 6.98%  
-- Flow 2:  
Average throughput: 0.56 Mbit/s  
95th percentile per-packet one-way delay: 41.213 ms  
Loss rate: 6.13%  
-- Flow 3:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 40.877 ms  
Loss rate: 8.33%

Run 6: Report of LEDBAT — Data Link

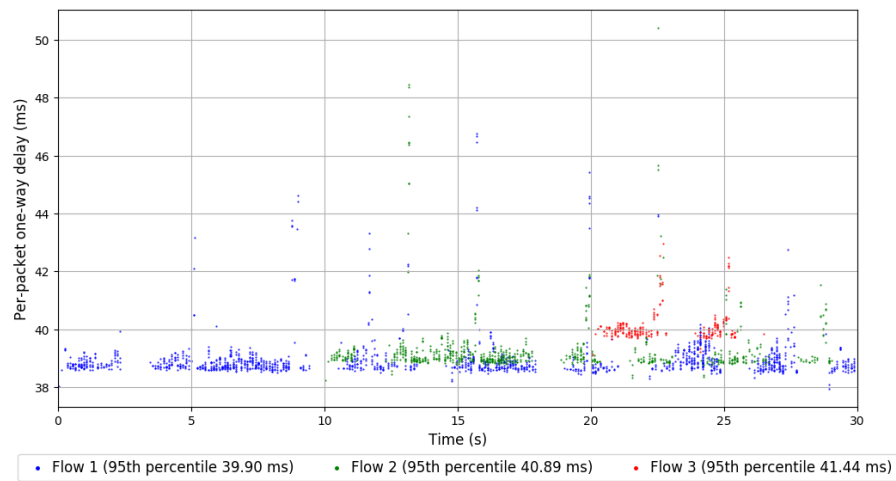
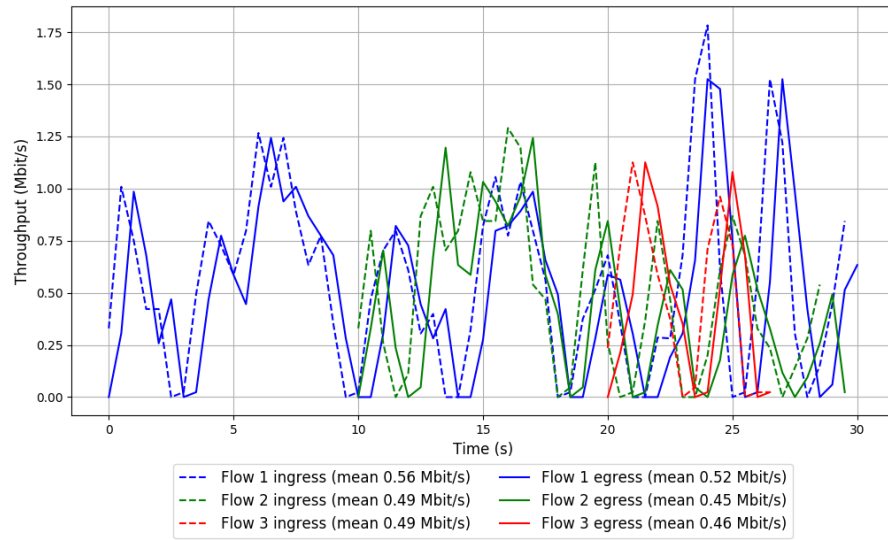


Run 7: Statistics of LEDBAT

Start at: 2018-06-30 17:54:29  
End at: 2018-06-30 17:54:59  
Local clock offset: 3.704 ms  
Remote clock offset: -7.806 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.91 Mbit/s  
95th percentile per-packet one-way delay: 40.524 ms  
Loss rate: 7.58%  
-- Flow 1:  
Average throughput: 0.52 Mbit/s  
95th percentile per-packet one-way delay: 39.902 ms  
Loss rate: 7.33%  
-- Flow 2:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 40.890 ms  
Loss rate: 8.25%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 41.442 ms  
Loss rate: 6.95%

## Run 7: Report of LEDBAT — Data Link

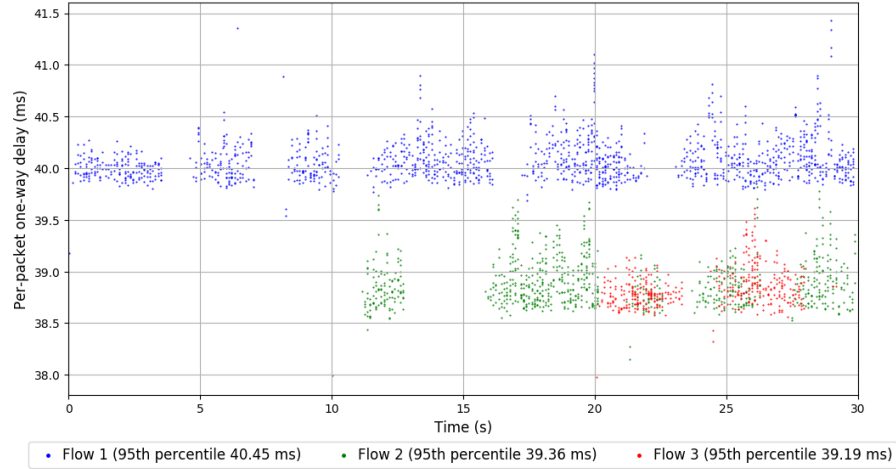
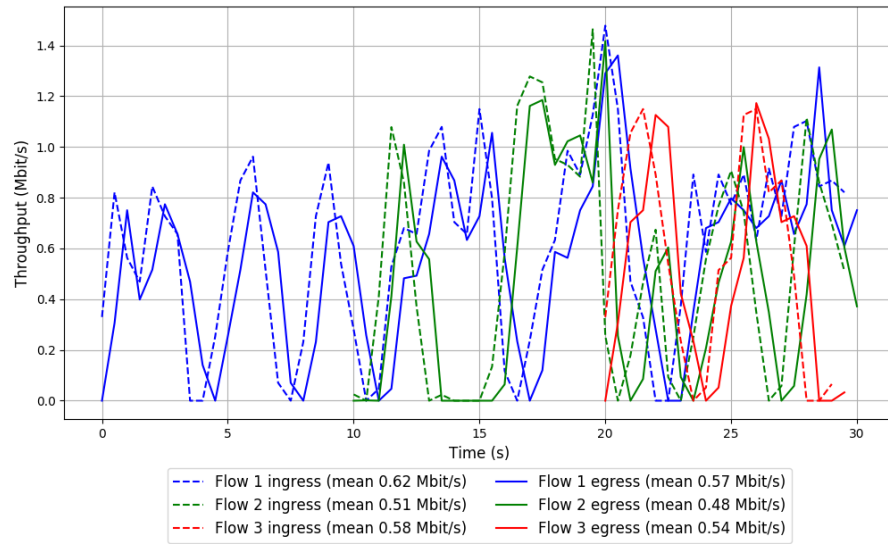


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 18:29:14  
End at: 2018-06-30 18:29:44  
Local clock offset: 5.079 ms  
Remote clock offset: -8.659 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.06 Mbit/s  
95th percentile per-packet one-way delay: 40.337 ms  
Loss rate: 7.40%  
-- Flow 1:  
Average throughput: 0.57 Mbit/s  
95th percentile per-packet one-way delay: 40.453 ms  
Loss rate: 8.18%  
-- Flow 2:  
Average throughput: 0.48 Mbit/s  
95th percentile per-packet one-way delay: 39.359 ms  
Loss rate: 6.34%  
-- Flow 3:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 39.190 ms  
Loss rate: 6.72%

## Run 8: Report of LEDBAT — Data Link



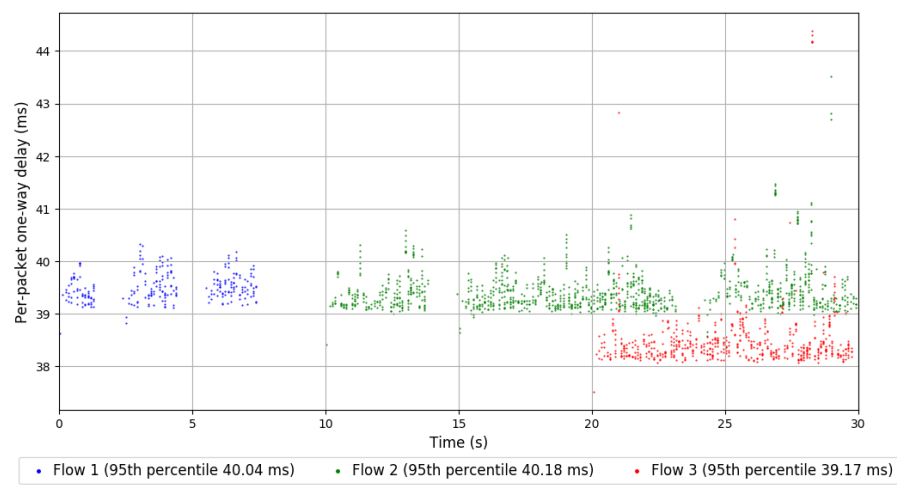
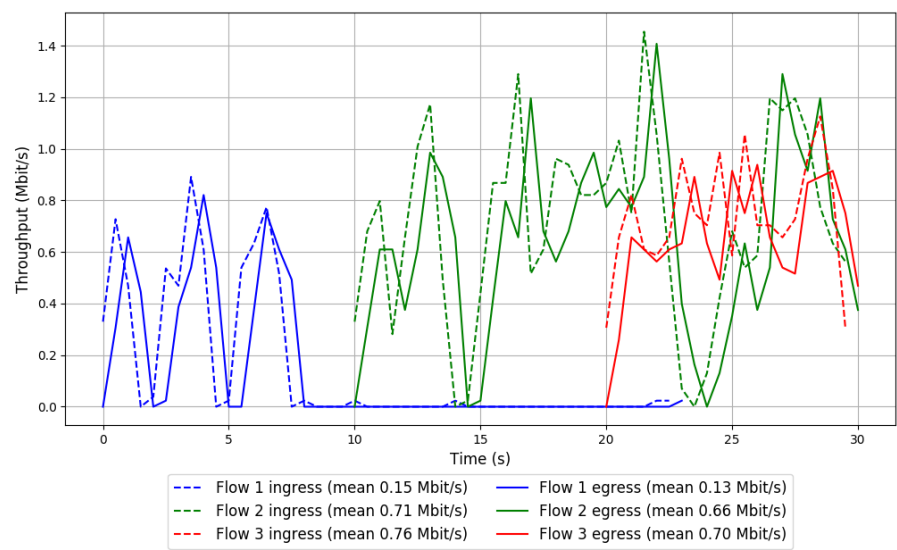
Run 9: Statistics of LEDBAT

Start at: 2018-06-30 19:02:03  
End at: 2018-06-30 19:02:33  
Local clock offset: 1.659 ms  
Remote clock offset: -8.479 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 40.073 ms  
Loss rate: 7.70%  
-- Flow 1:  
Average throughput: 0.13 Mbit/s  
95th percentile per-packet one-way delay: 40.040 ms  
Loss rate: 10.54%  
-- Flow 2:  
Average throughput: 0.66 Mbit/s  
95th percentile per-packet one-way delay: 40.177 ms  
Loss rate: 6.96%  
-- Flow 3:  
Average throughput: 0.70 Mbit/s  
95th percentile per-packet one-way delay: 39.169 ms  
Loss rate: 7.81%



Run 9: Report of LEDBAT — Data Link

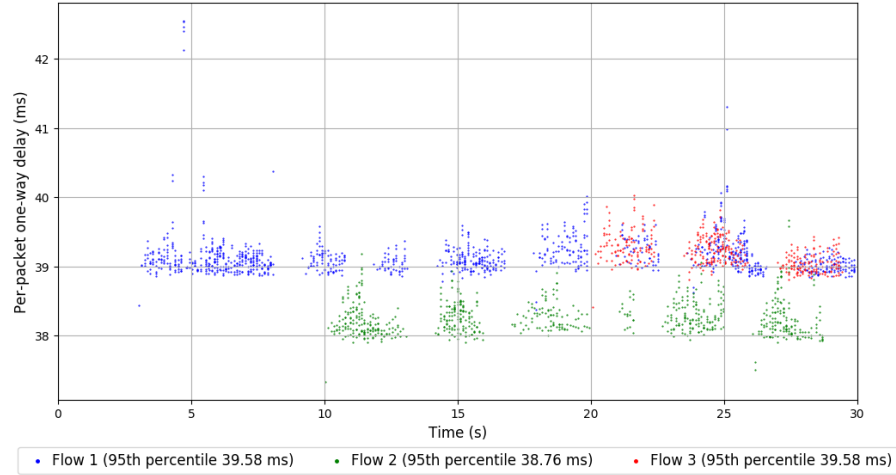
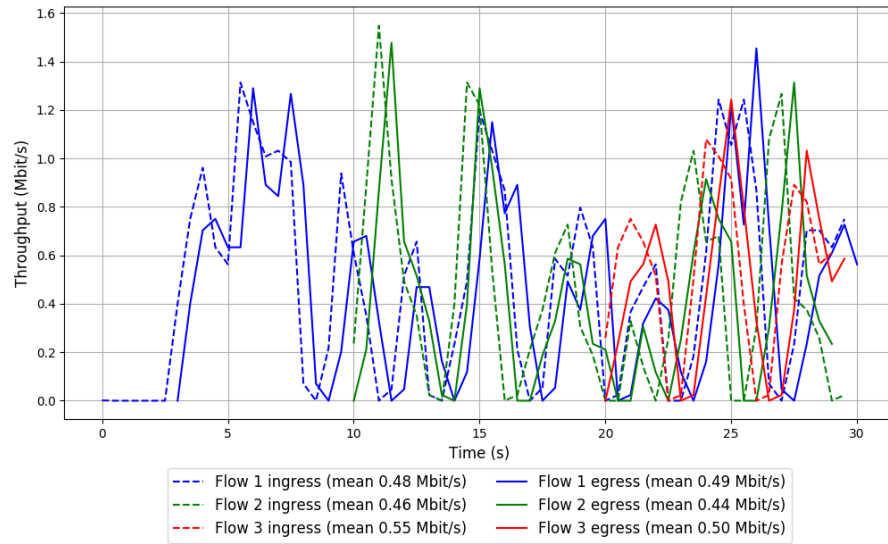


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 19:38:02  
End at: 2018-06-30 19:38:32  
Local clock offset: 4.228 ms  
Remote clock offset: -8.561 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.97 Mbit/s  
95th percentile per-packet one-way delay: 39.497 ms  
Loss rate: 7.92%  
-- Flow 1:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 39.583 ms  
Loss rate: 7.69%  
-- Flow 2:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 38.759 ms  
Loss rate: 8.47%  
-- Flow 3:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 39.577 ms  
Loss rate: 7.58%

# Run 10: Report of LEDBAT — Data Link

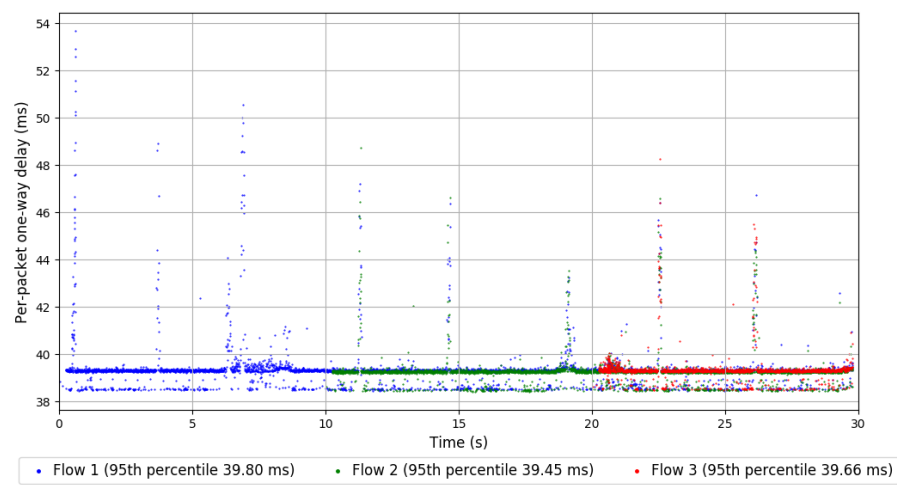
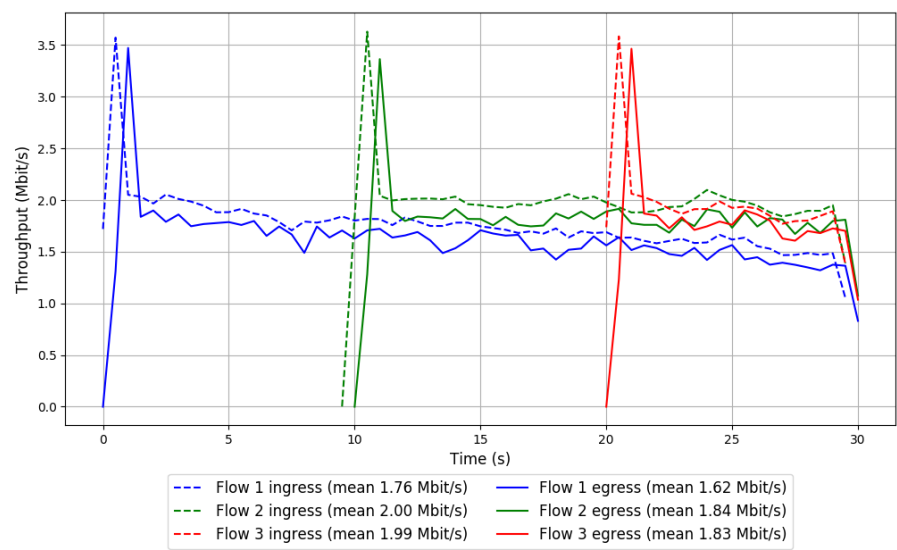


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 14:34:17
End at: 2018-06-30 14:34:47
Local clock offset: -0.961 ms
Remote clock offset: -10.114 ms

# Below is generated by plot.py at 2018-06-30 19:55:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 39.634 ms
Loss rate: 8.55%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 39.802 ms
Loss rate: 8.21%
-- Flow 2:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 39.448 ms
Loss rate: 8.82%
-- Flow 3:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 39.657 ms
Loss rate: 8.90%
```

Run 1: Report of PCC-Allegro — Data Link

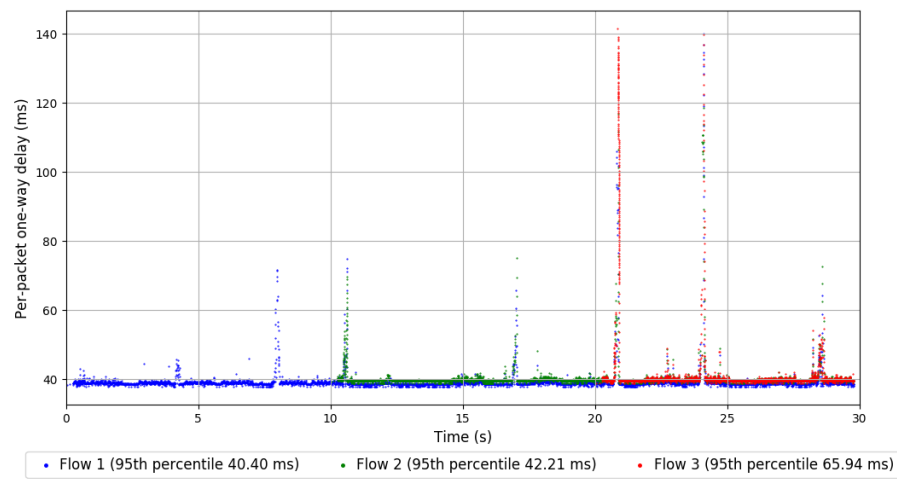
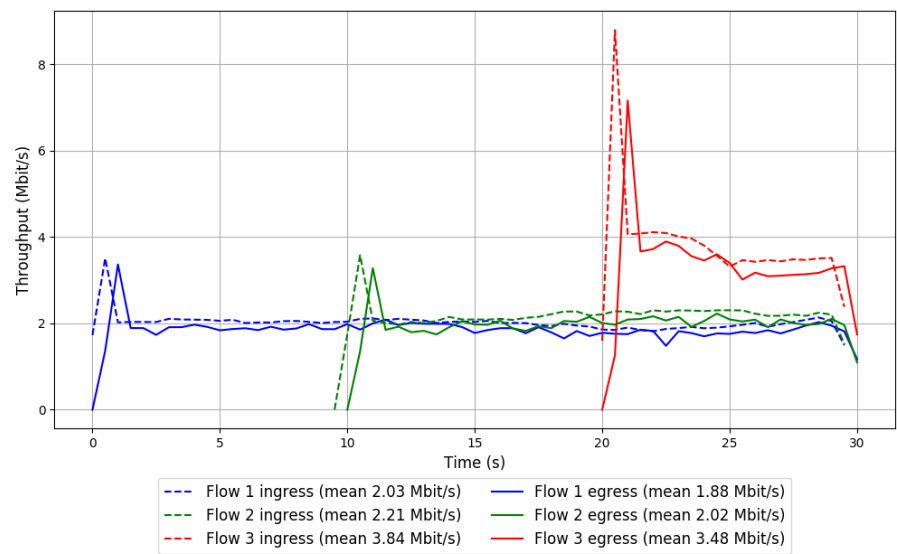


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 15:08:07  
End at: 2018-06-30 15:08:37  
Local clock offset: 4.393 ms  
Remote clock offset: -11.279 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.36 Mbit/s  
95th percentile per-packet one-way delay: 43.351 ms  
Loss rate: 8.79%  
-- Flow 1:  
Average throughput: 1.88 Mbit/s  
95th percentile per-packet one-way delay: 40.402 ms  
Loss rate: 7.57%  
-- Flow 2:  
Average throughput: 2.02 Mbit/s  
95th percentile per-packet one-way delay: 42.206 ms  
Loss rate: 9.09%  
-- Flow 3:  
Average throughput: 3.48 Mbit/s  
95th percentile per-packet one-way delay: 65.942 ms  
Loss rate: 10.41%

Run 2: Report of PCC-Allegro — Data Link



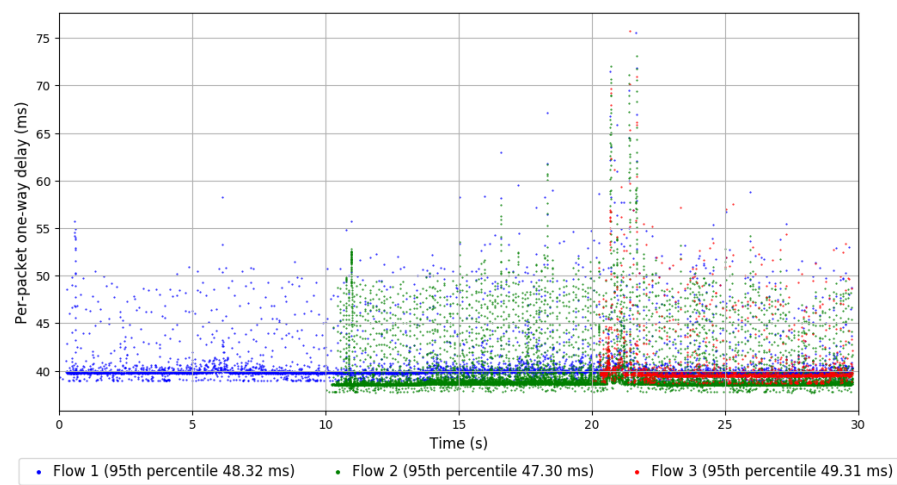
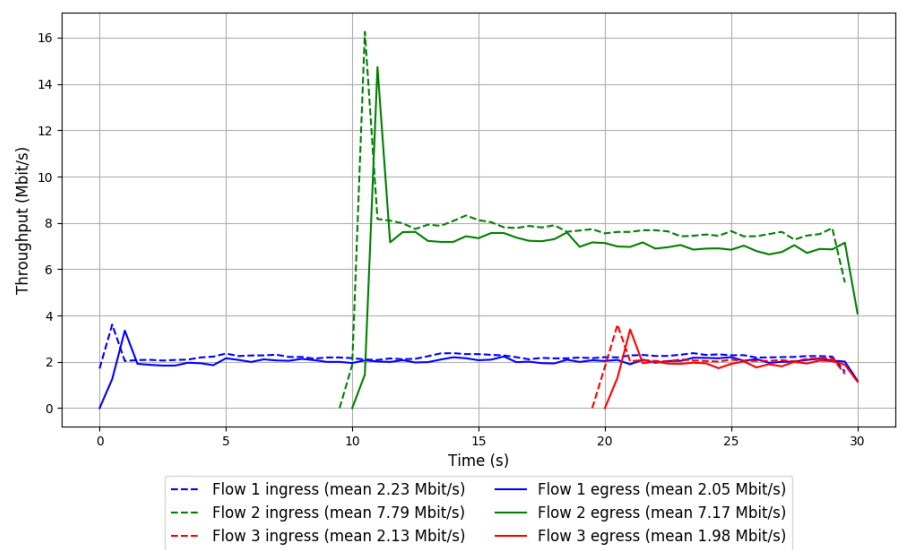
Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 15:42:45  
End at: 2018-06-30 15:43:15  
Local clock offset: 5.749 ms  
Remote clock offset: -10.082 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.46 Mbit/s  
95th percentile per-packet one-way delay: 47.739 ms  
Loss rate: 8.39%  
-- Flow 1:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 48.323 ms  
Loss rate: 8.46%  
-- Flow 2:  
Average throughput: 7.17 Mbit/s  
95th percentile per-packet one-way delay: 47.295 ms  
Loss rate: 8.39%  
-- Flow 3:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 49.312 ms  
Loss rate: 8.20%



Run 3: Report of PCC-Allegro — Data Link

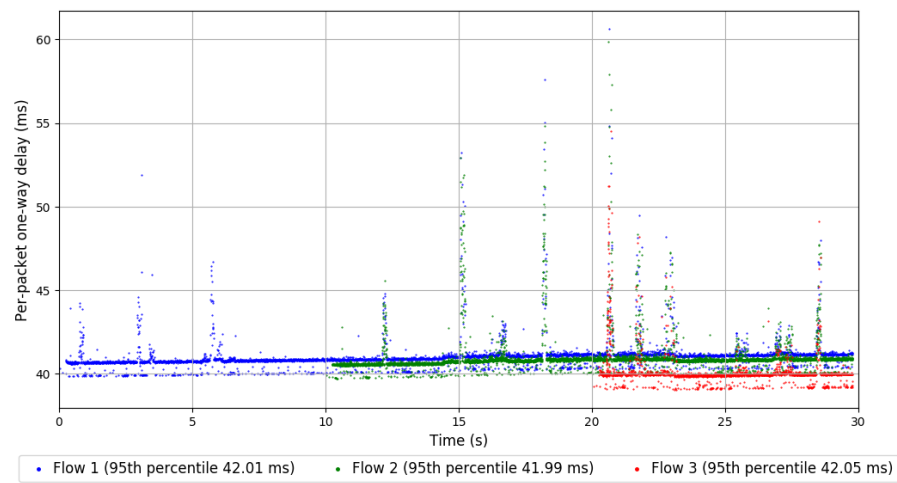
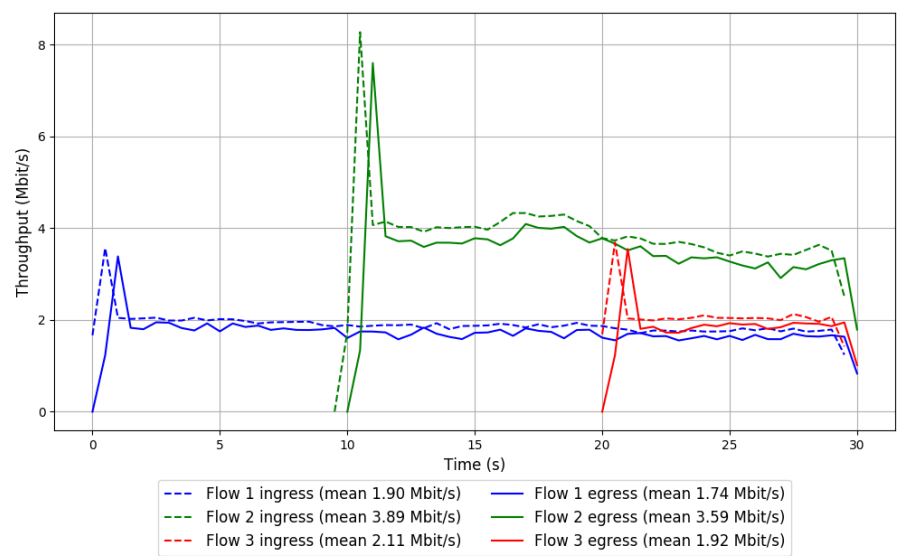


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 16:16:44  
End at: 2018-06-30 16:17:14  
Local clock offset: 5.607 ms  
Remote clock offset: -9.886 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.75 Mbit/s  
95th percentile per-packet one-way delay: 42.009 ms  
Loss rate: 8.69%  
-- Flow 1:  
Average throughput: 1.74 Mbit/s  
95th percentile per-packet one-way delay: 42.011 ms  
Loss rate: 8.78%  
-- Flow 2:  
Average throughput: 3.59 Mbit/s  
95th percentile per-packet one-way delay: 41.993 ms  
Loss rate: 8.38%  
-- Flow 3:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 42.045 ms  
Loss rate: 9.62%

Run 4: Report of PCC-Allegro — Data Link

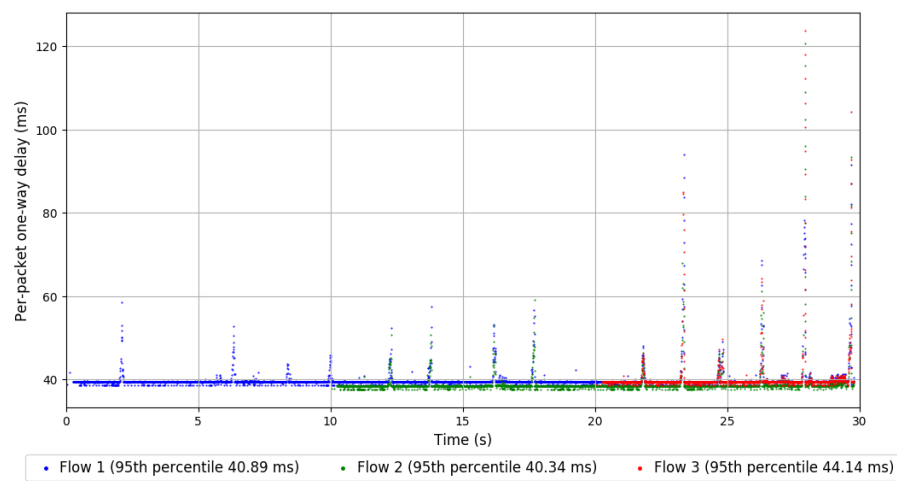
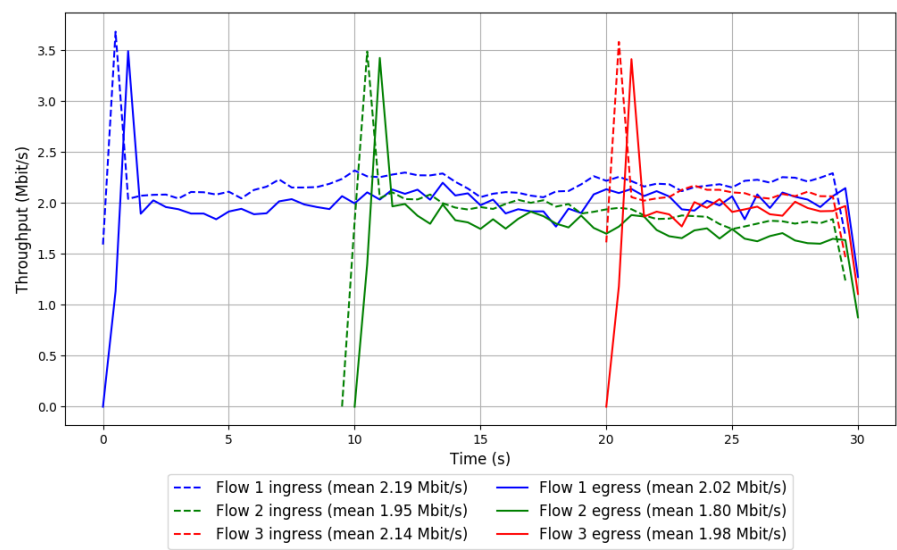


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 16:49:15  
End at: 2018-06-30 16:49:45  
Local clock offset: -6.61 ms  
Remote clock offset: -10.181 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.86 Mbit/s  
95th percentile per-packet one-way delay: 41.097 ms  
Loss rate: 8.30%  
-- Flow 1:  
Average throughput: 2.02 Mbit/s  
95th percentile per-packet one-way delay: 40.894 ms  
Loss rate: 8.20%  
-- Flow 2:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 40.340 ms  
Loss rate: 8.31%  
-- Flow 3:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 44.137 ms  
Loss rate: 8.58%

Run 5: Report of PCC-Allegro — Data Link

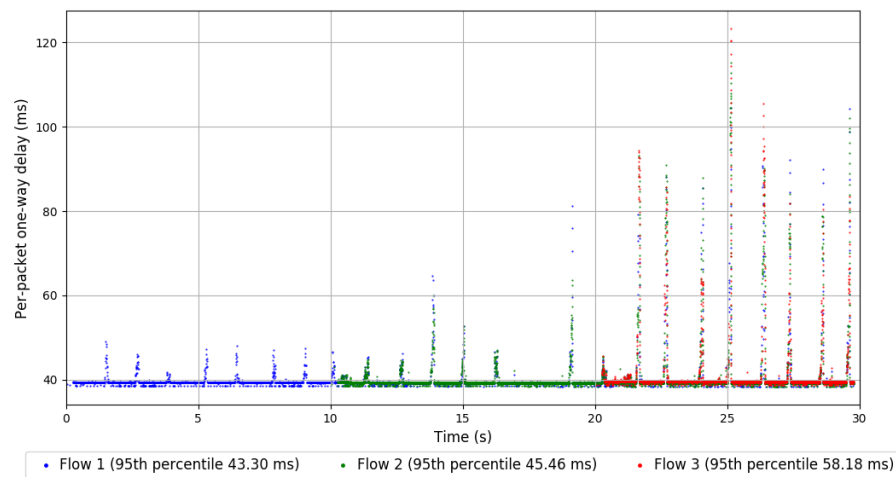
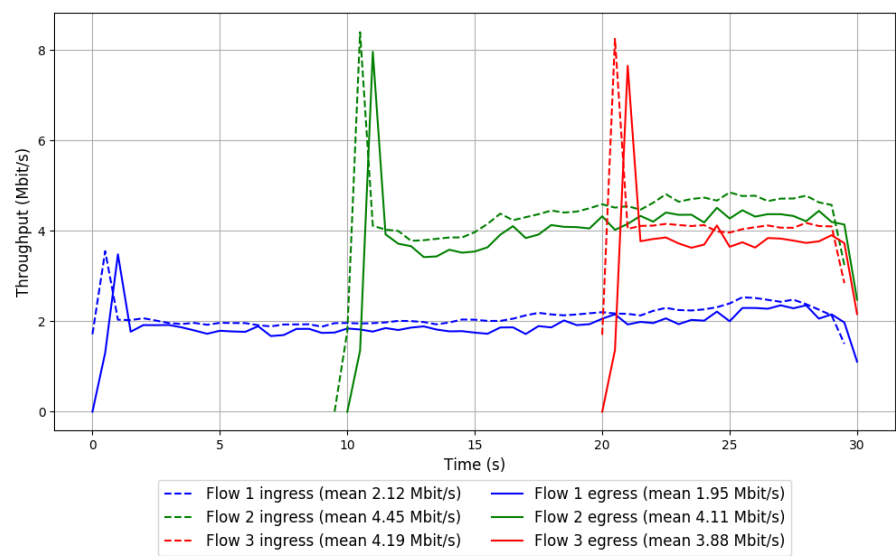


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 17:22:14  
End at: 2018-06-30 17:22:44  
Local clock offset: -4.069 ms  
Remote clock offset: -8.673 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 5.94 Mbit/s  
95th percentile per-packet one-way delay: 45.938 ms  
Loss rate: 8.35%  
-- Flow 1:  
Average throughput: 1.95 Mbit/s  
95th percentile per-packet one-way delay: 43.299 ms  
Loss rate: 8.67%  
-- Flow 2:  
Average throughput: 4.11 Mbit/s  
95th percentile per-packet one-way delay: 45.463 ms  
Loss rate: 8.11%  
-- Flow 3:  
Average throughput: 3.88 Mbit/s  
95th percentile per-packet one-way delay: 58.182 ms  
Loss rate: 8.38%

Run 6: Report of PCC-Allegro — Data Link



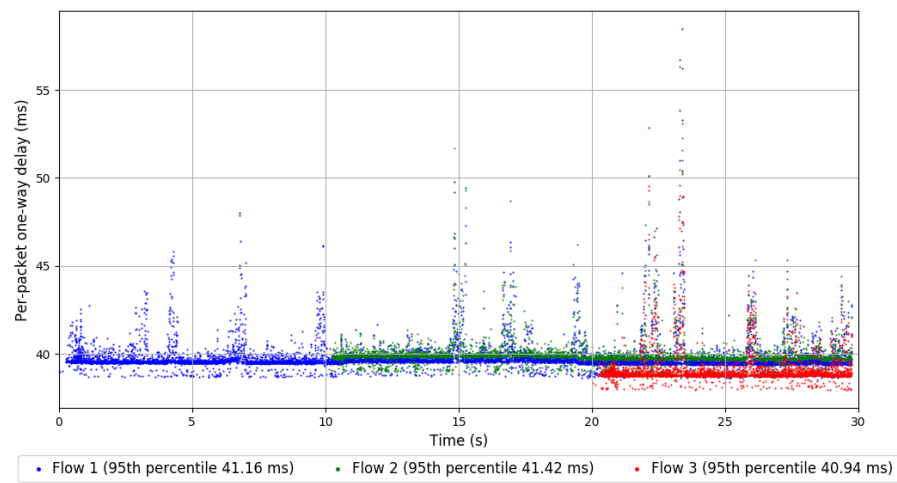
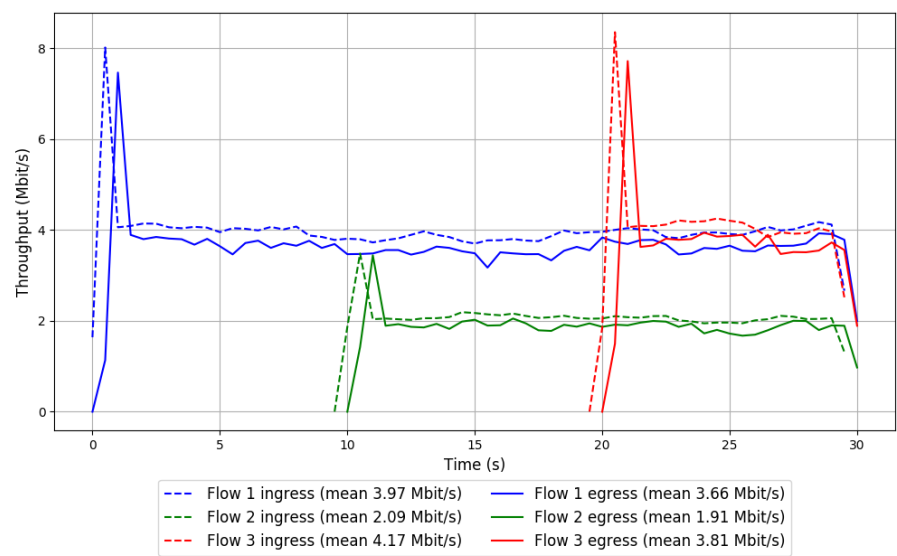
Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 17:55:49  
End at: 2018-06-30 17:56:20  
Local clock offset: 3.912 ms  
Remote clock offset: -7.815 ms

```
# Below is generated by plot.py at 2018-06-30 19:55:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 41.199 ms
Loss rate: 8.62%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 41.164 ms
Loss rate: 8.22%
-- Flow 2:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 41.419 ms
Loss rate: 8.93%
-- Flow 3:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 40.941 ms
Loss rate: 9.45%
```



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 18:30:36

End at: 2018-06-30 18:31:06

Local clock offset: 5.286 ms

Remote clock offset: -8.71 ms

# Below is generated by plot.py at 2018-06-30 19:55:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 40.442 ms

Loss rate: 8.55%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 40.519 ms

Loss rate: 8.78%

-- Flow 2:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 40.233 ms

Loss rate: 8.48%

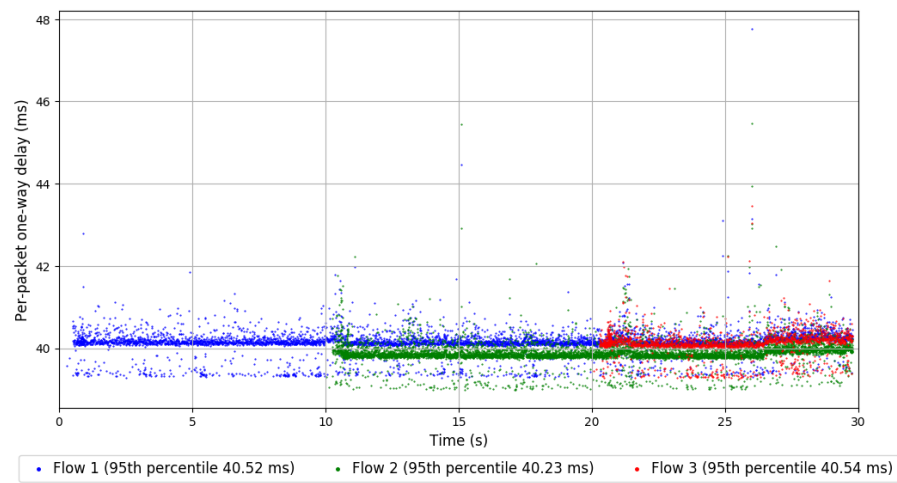
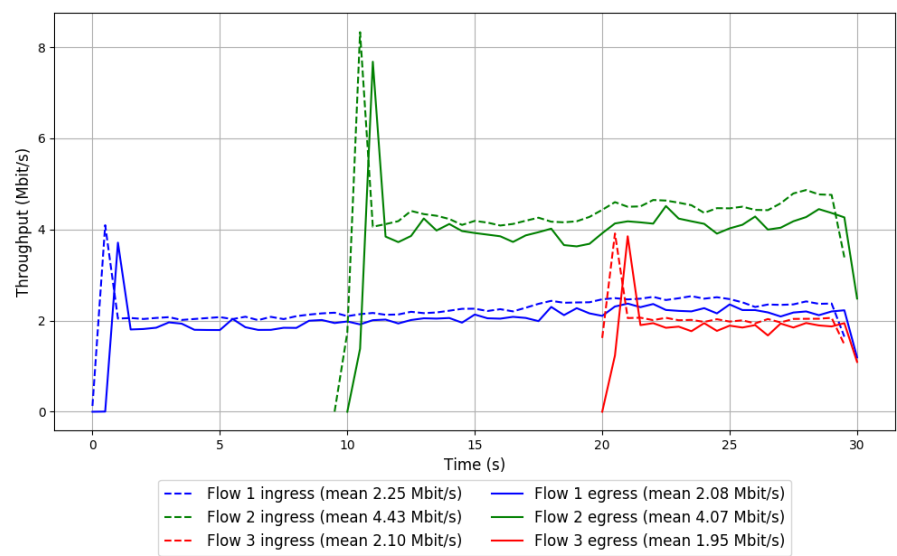
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 40.539 ms

Loss rate: 8.10%

Run 8: Report of PCC-Allegro — Data Link

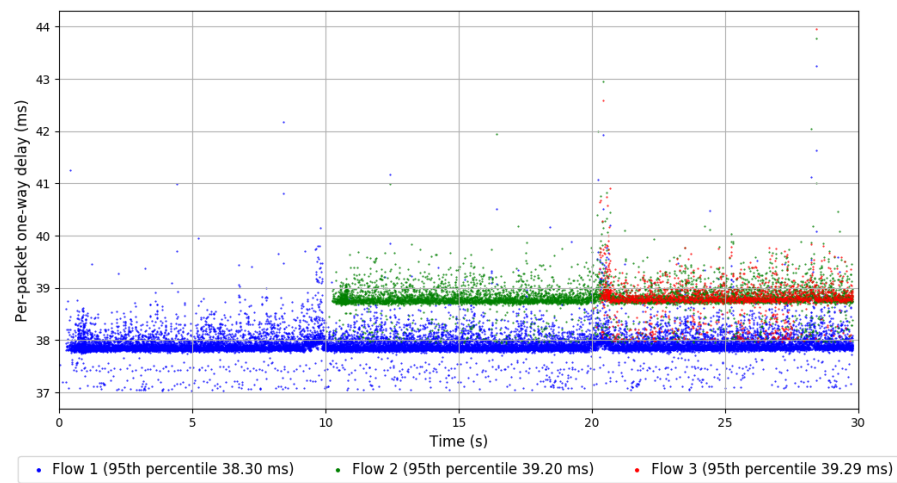
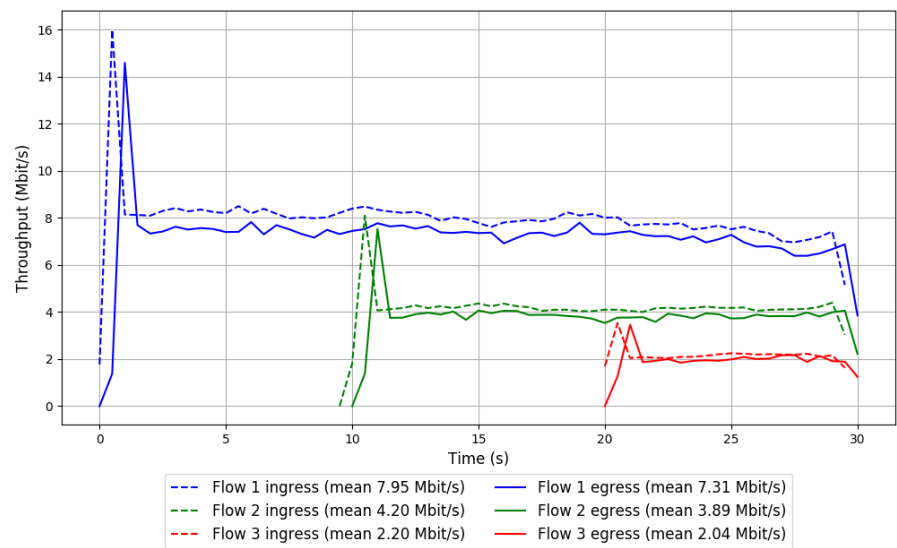


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 19:03:22  
End at: 2018-06-30 19:03:52  
Local clock offset: 1.461 ms  
Remote clock offset: -8.572 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 10.55 Mbit/s  
95th percentile per-packet one-way delay: 38.973 ms  
Loss rate: 8.29%  
-- Flow 1:  
Average throughput: 7.31 Mbit/s  
95th percentile per-packet one-way delay: 38.295 ms  
Loss rate: 8.37%  
-- Flow 2:  
Average throughput: 3.89 Mbit/s  
95th percentile per-packet one-way delay: 39.197 ms  
Loss rate: 7.98%  
-- Flow 3:  
Average throughput: 2.04 Mbit/s  
95th percentile per-packet one-way delay: 39.294 ms  
Loss rate: 8.55%

Run 9: Report of PCC-Allegro — Data Link

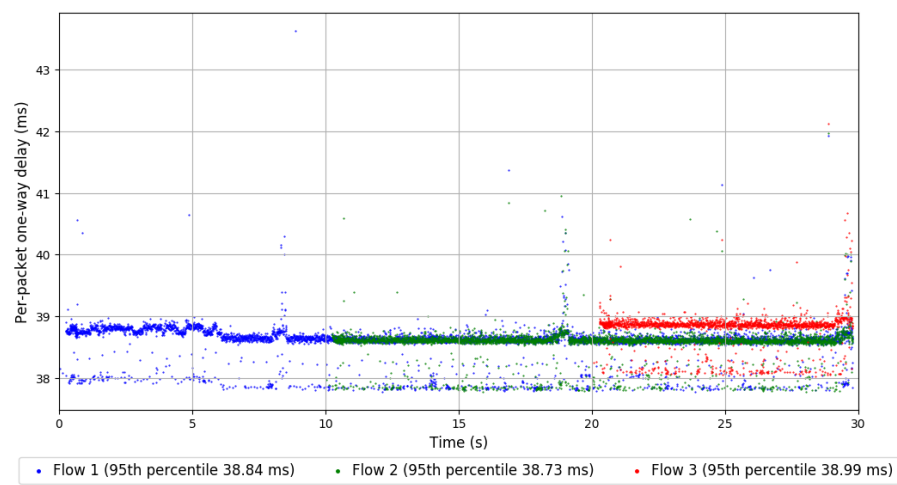
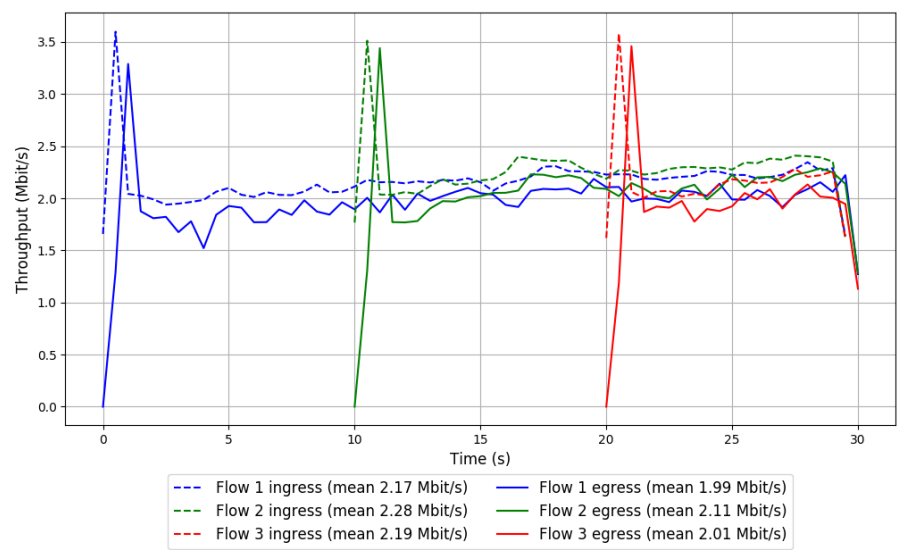


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 19:39:22  
End at: 2018-06-30 19:39:52  
Local clock offset: 4.258 ms  
Remote clock offset: -8.601 ms

# Below is generated by plot.py at 2018-06-30 19:55:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 38.900 ms  
Loss rate: 8.54%  
-- Flow 1:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 38.836 ms  
Loss rate: 8.68%  
-- Flow 2:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 38.730 ms  
Loss rate: 8.00%  
-- Flow 3:  
Average throughput: 2.01 Mbit/s  
95th percentile per-packet one-way delay: 38.993 ms  
Loss rate: 9.23%

Run 10: Report of PCC-Allegro — Data Link



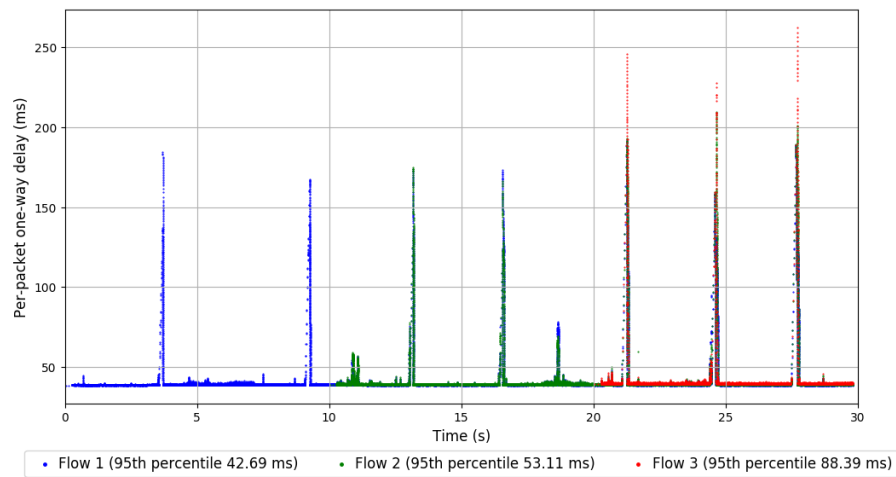
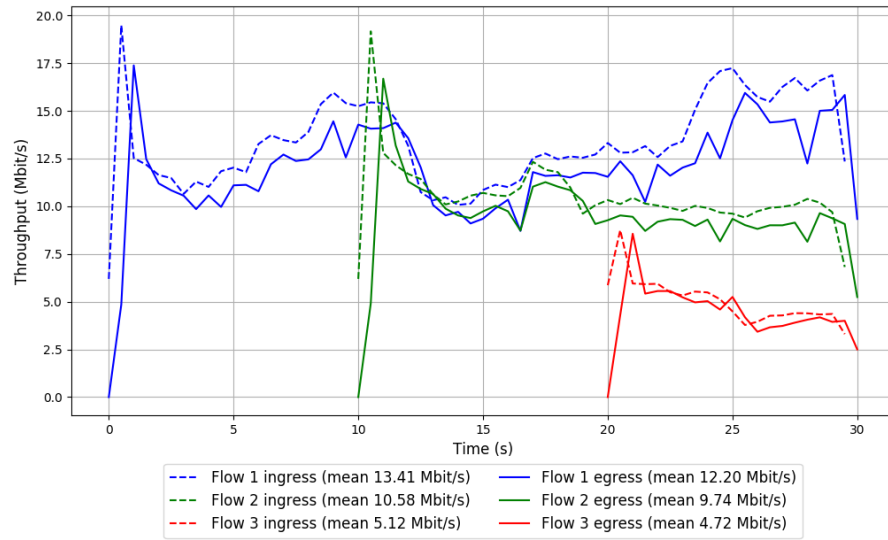
```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 14:24:50
End at: 2018-06-30 14:25:20
Local clock offset: -0.363 ms
Remote clock offset: -10.023 ms

# Below is generated by plot.py at 2018-06-30 19:55:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 47.388 ms
Loss rate: 9.03%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 42.686 ms
Loss rate: 9.38%
-- Flow 2:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 53.114 ms
Loss rate: 8.43%
-- Flow 3:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 88.391 ms
Loss rate: 8.81%
```



# Run 1: Report of PCC-Expr — Data Link

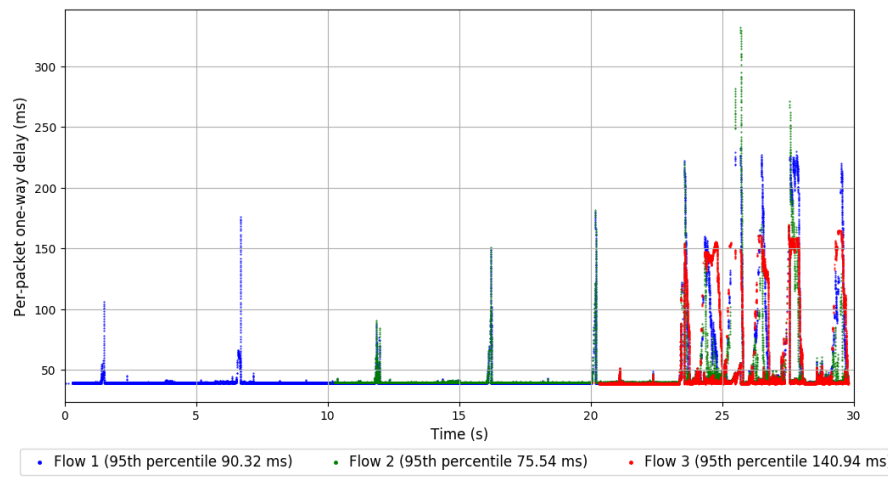
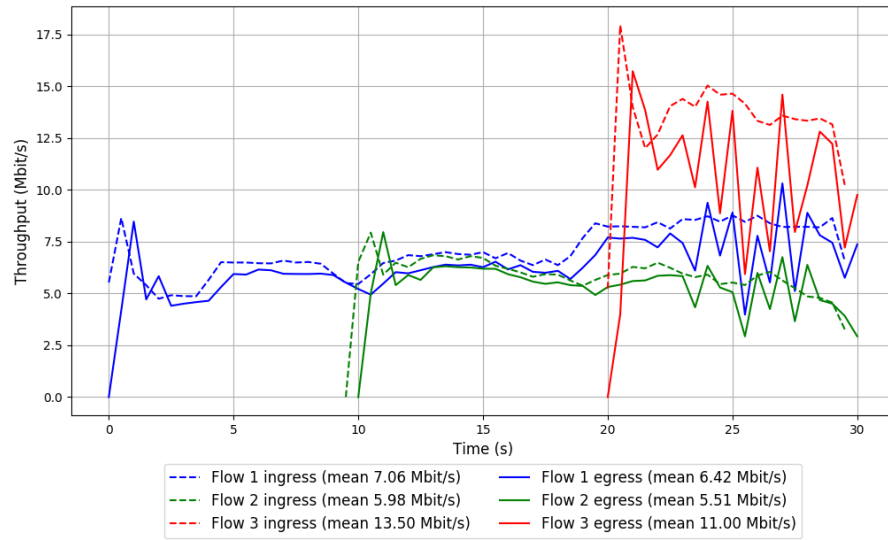


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 14:59:08
End at: 2018-06-30 14:59:38
Local clock offset: 3.521 ms
Remote clock offset: -10.714 ms

# Below is generated by plot.py at 2018-06-30 19:55:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 113.437 ms
Loss rate: 12.05%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 90.322 ms
Loss rate: 9.50%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 75.537 ms
Loss rate: 8.36%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 140.942 ms
Loss rate: 19.39%
```

## Run 2: Report of PCC-Expr — Data Link

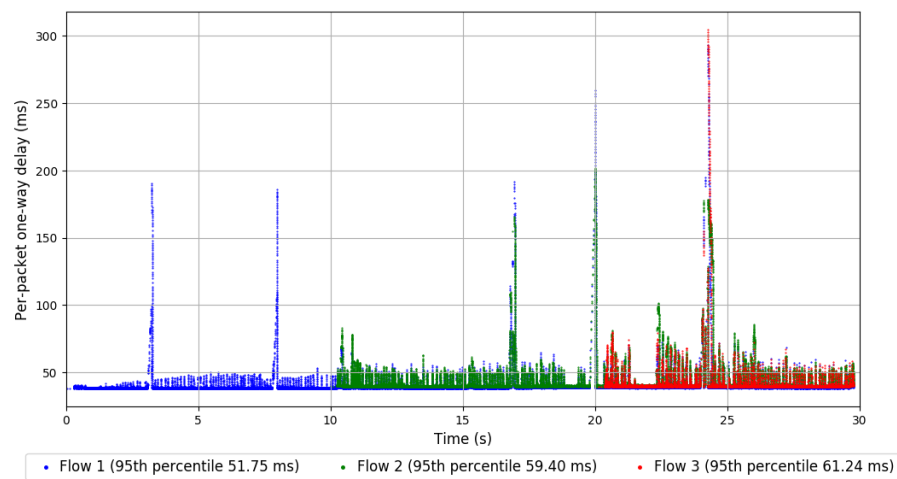
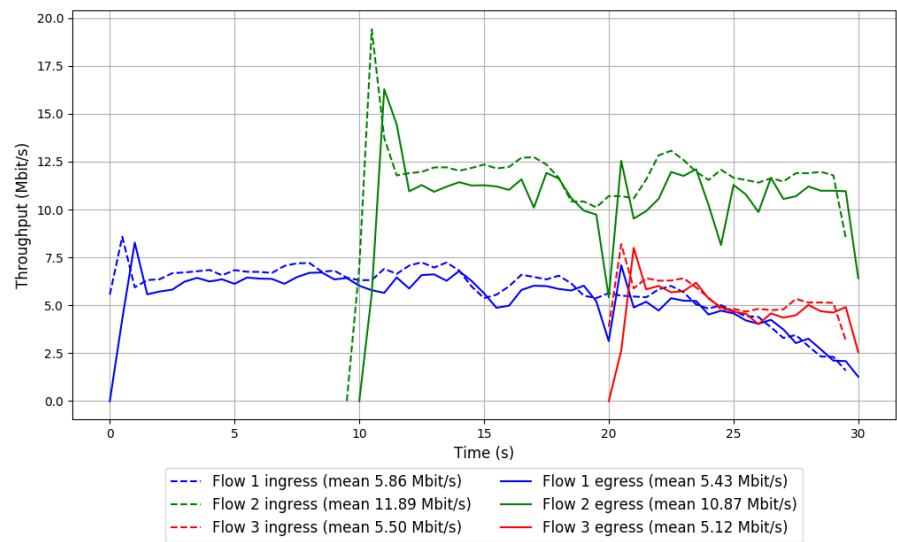


Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 15:33:41  
End at: 2018-06-30 15:34:11  
Local clock offset: 5.341 ms  
Remote clock offset: -10.514 ms

# Below is generated by plot.py at 2018-06-30 19:55:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 14.31 Mbit/s  
95th percentile per-packet one-way delay: 57.277 ms  
Loss rate: 8.43%  
-- Flow 1:  
Average throughput: 5.43 Mbit/s  
95th percentile per-packet one-way delay: 51.753 ms  
Loss rate: 7.70%  
-- Flow 2:  
Average throughput: 10.87 Mbit/s  
95th percentile per-packet one-way delay: 59.401 ms  
Loss rate: 9.09%  
-- Flow 3:  
Average throughput: 5.12 Mbit/s  
95th percentile per-packet one-way delay: 61.241 ms  
Loss rate: 7.88%

Run 3: Report of PCC-Expr — Data Link

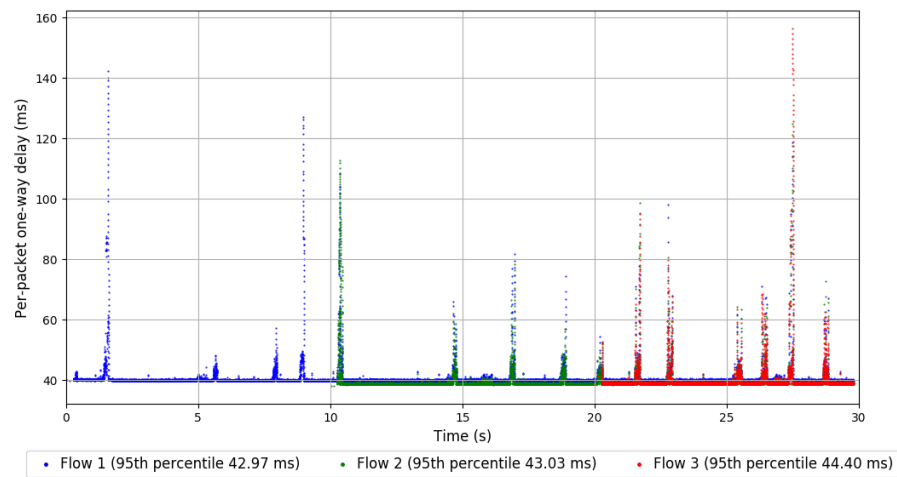
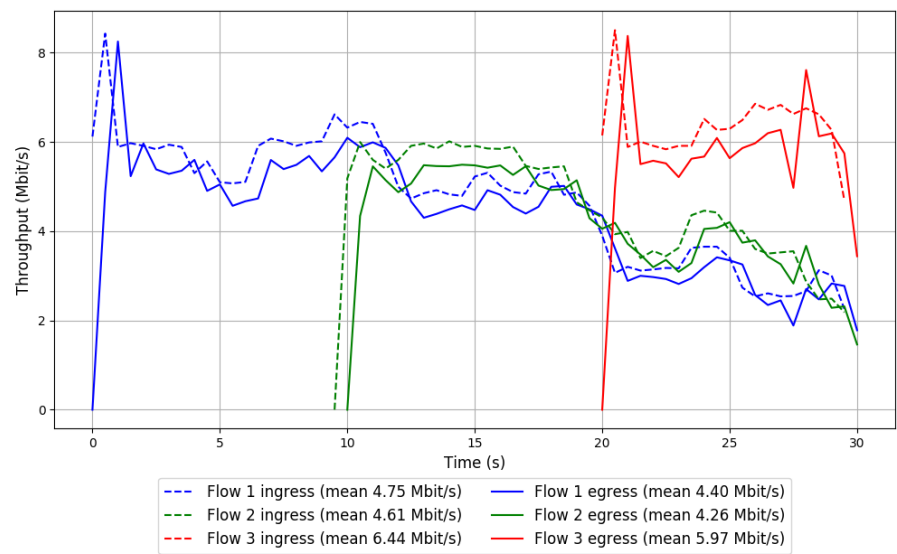


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 16:08:05  
End at: 2018-06-30 16:08:35  
Local clock offset: 6.918 ms  
Remote clock offset: -9.928 ms

# Below is generated by plot.py at 2018-06-30 19:55:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 9.19 Mbit/s  
95th percentile per-packet one-way delay: 43.257 ms  
Loss rate: 7.97%  
-- Flow 1:  
Average throughput: 4.40 Mbit/s  
95th percentile per-packet one-way delay: 42.971 ms  
Loss rate: 7.71%  
-- Flow 2:  
Average throughput: 4.26 Mbit/s  
95th percentile per-packet one-way delay: 43.028 ms  
Loss rate: 8.18%  
-- Flow 3:  
Average throughput: 5.97 Mbit/s  
95th percentile per-packet one-way delay: 44.399 ms  
Loss rate: 8.26%

Run 4: Report of PCC-Expr — Data Link



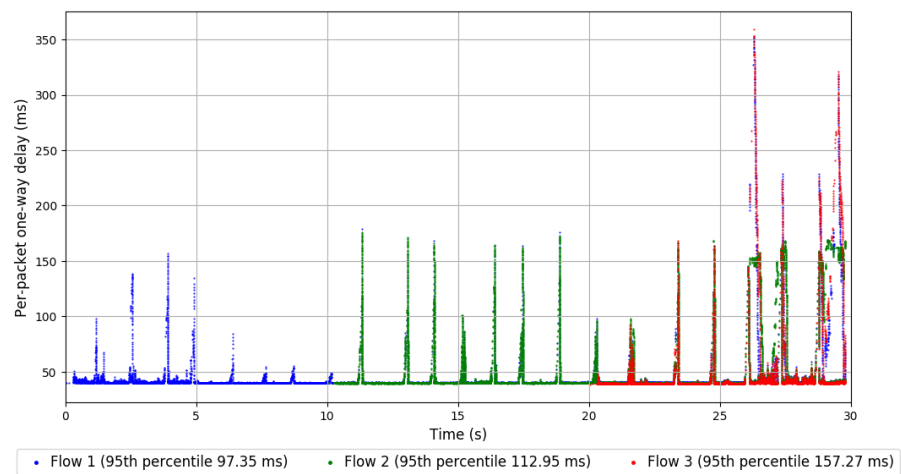
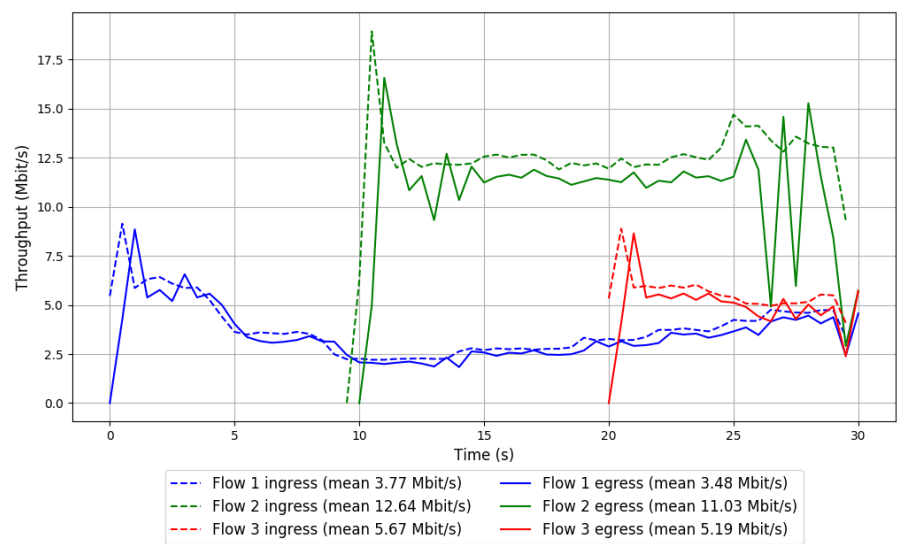
Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 16:40:16  
End at: 2018-06-30 16:40:46  
Local clock offset: -5.535 ms  
Remote clock offset: -10.377 ms

# Below is generated by plot.py at 2018-06-30 19:55:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 12.51 Mbit/s  
95th percentile per-packet one-way delay: 114.944 ms  
Loss rate: 11.32%  
-- Flow 1:  
Average throughput: 3.48 Mbit/s  
95th percentile per-packet one-way delay: 97.351 ms  
Loss rate: 8.11%  
-- Flow 2:  
Average throughput: 11.03 Mbit/s  
95th percentile per-packet one-way delay: 112.952 ms  
Loss rate: 13.16%  
-- Flow 3:  
Average throughput: 5.19 Mbit/s  
95th percentile per-packet one-way delay: 157.270 ms  
Loss rate: 9.50%



Run 5: Report of PCC-Expr — Data Link

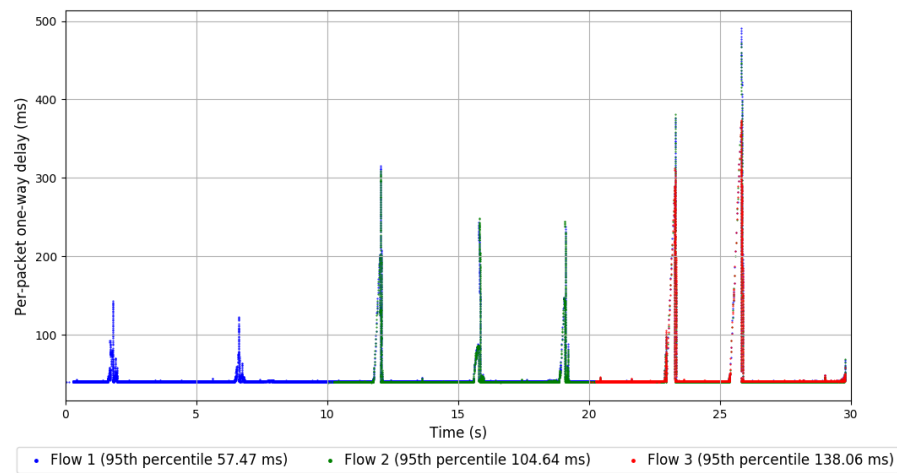
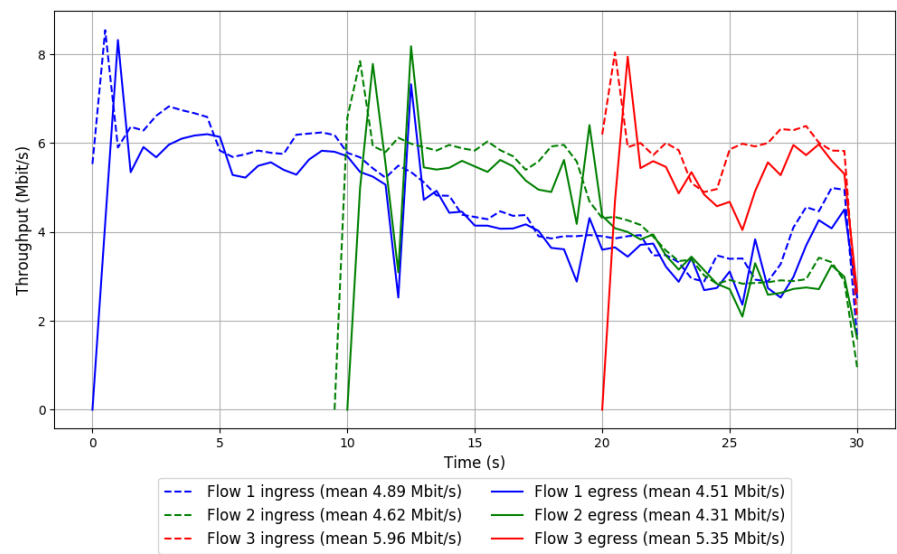


Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 17:13:37  
End at: 2018-06-30 17:14:07  
Local clock offset: -8.871 ms  
Remote clock offset: -9.054 ms

# Below is generated by plot.py at 2018-06-30 19:55:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 9.12 Mbit/s  
95th percentile per-packet one-way delay: 81.645 ms  
Loss rate: 9.87%  
-- Flow 1:  
Average throughput: 4.51 Mbit/s  
95th percentile per-packet one-way delay: 57.465 ms  
Loss rate: 9.04%  
-- Flow 2:  
Average throughput: 4.31 Mbit/s  
95th percentile per-packet one-way delay: 104.637 ms  
Loss rate: 8.65%  
-- Flow 3:  
Average throughput: 5.35 Mbit/s  
95th percentile per-packet one-way delay: 138.062 ms  
Loss rate: 13.77%

Run 6: Report of PCC-Expr — Data Link

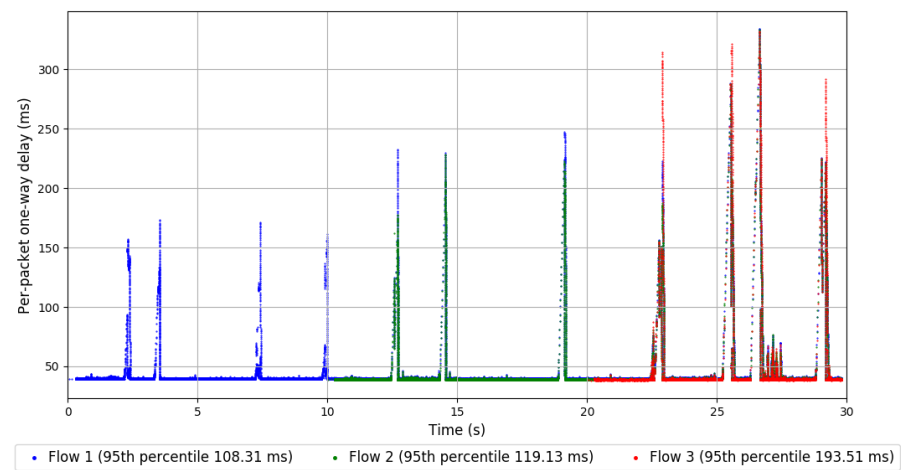
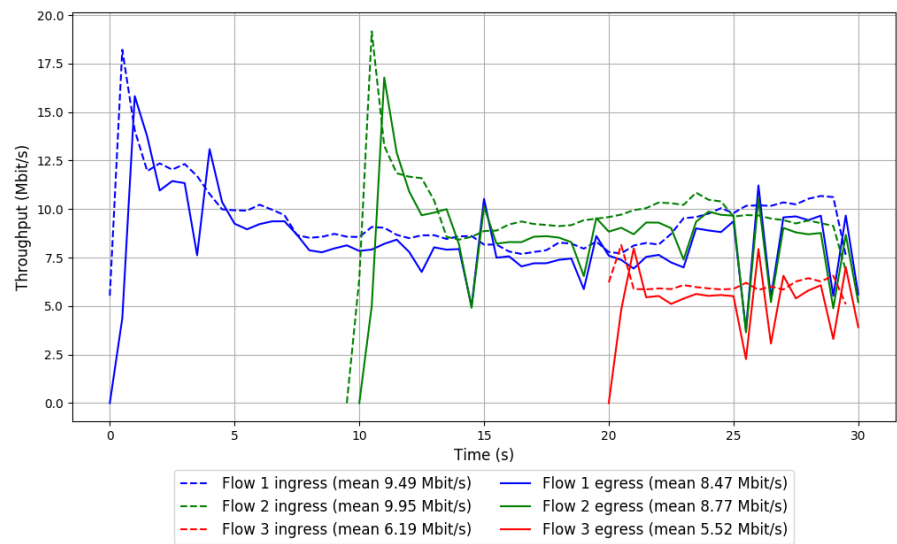


Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 17:46:38  
End at: 2018-06-30 17:47:08  
Local clock offset: 0.971 ms  
Remote clock offset: -7.964 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.11 Mbit/s  
95th percentile per-packet one-way delay: 121.641 ms  
Loss rate: 11.57%  
-- Flow 1:  
Average throughput: 8.47 Mbit/s  
95th percentile per-packet one-way delay: 108.305 ms  
Loss rate: 11.01%  
-- Flow 2:  
Average throughput: 8.77 Mbit/s  
95th percentile per-packet one-way delay: 119.132 ms  
Loss rate: 12.32%  
-- Flow 3:  
Average throughput: 5.52 Mbit/s  
95th percentile per-packet one-way delay: 193.509 ms  
Loss rate: 11.71%

Run 7: Report of PCC-Expr — Data Link

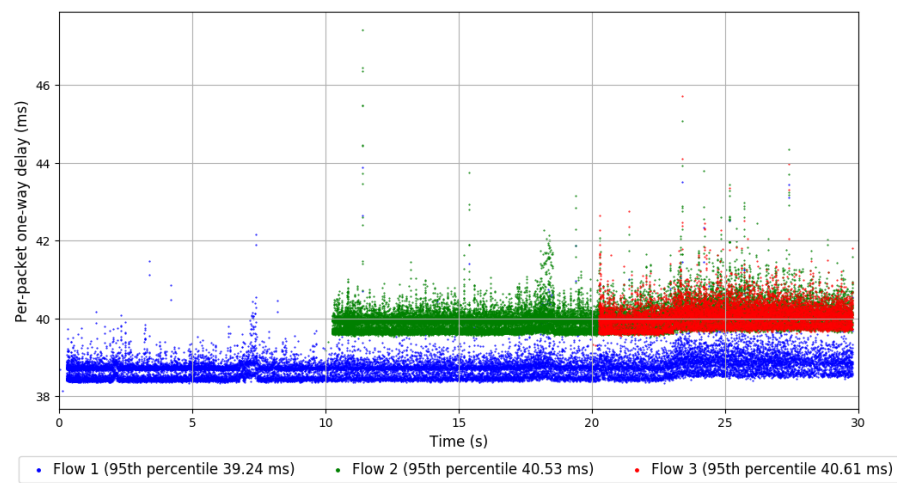
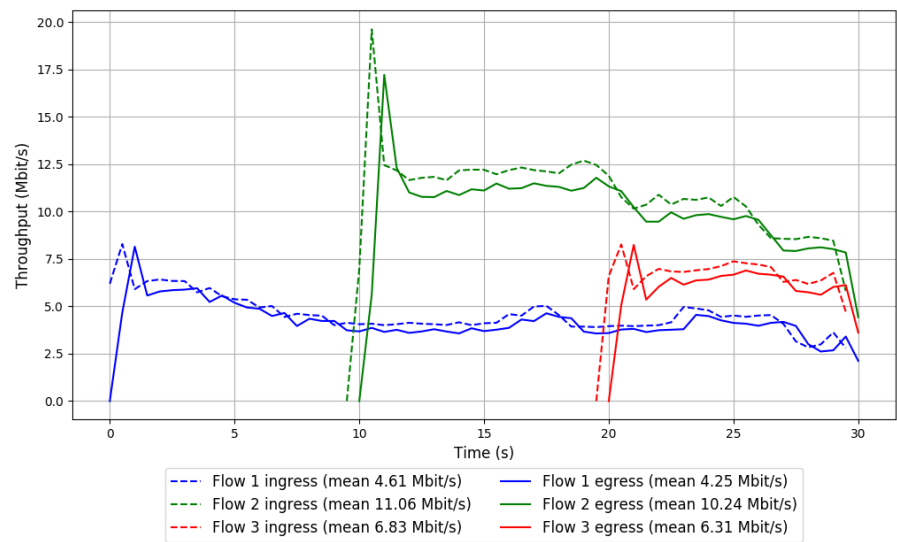


Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 18:21:39  
End at: 2018-06-30 18:22:09  
Local clock offset: 5.441 ms  
Remote clock offset: -8.409 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 13.13 Mbit/s  
95th percentile per-packet one-way delay: 40.442 ms  
Loss rate: 8.07%  
-- Flow 1:  
Average throughput: 4.25 Mbit/s  
95th percentile per-packet one-way delay: 39.237 ms  
Loss rate: 8.09%  
-- Flow 2:  
Average throughput: 10.24 Mbit/s  
95th percentile per-packet one-way delay: 40.529 ms  
Loss rate: 7.92%  
-- Flow 3:  
Average throughput: 6.31 Mbit/s  
95th percentile per-packet one-way delay: 40.613 ms  
Loss rate: 8.52%

Run 8: Report of PCC-Expr — Data Link



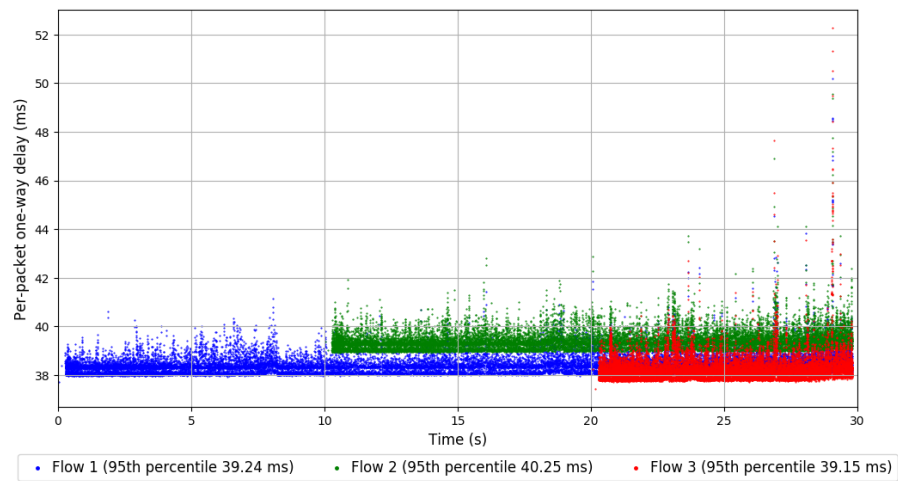
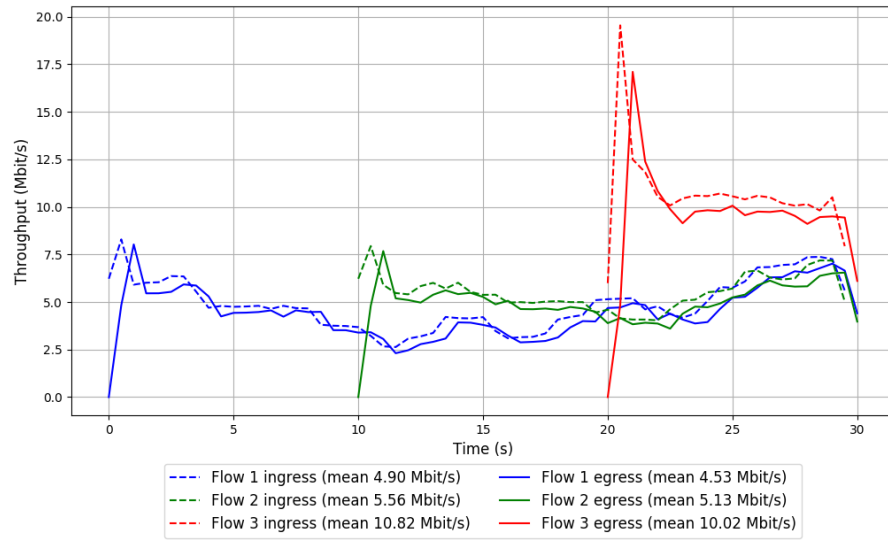
Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 18:54:35  
End at: 2018-06-30 18:55:05  
Local clock offset: 2.606 ms  
Remote clock offset: -8.468 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 11.22 Mbit/s  
95th percentile per-packet one-way delay: 39.850 ms  
Loss rate: 8.12%  
-- Flow 1:  
Average throughput: 4.53 Mbit/s  
95th percentile per-packet one-way delay: 39.245 ms  
Loss rate: 7.85%  
-- Flow 2:  
Average throughput: 5.13 Mbit/s  
95th percentile per-packet one-way delay: 40.251 ms  
Loss rate: 8.25%  
-- Flow 3:  
Average throughput: 10.02 Mbit/s  
95th percentile per-packet one-way delay: 39.145 ms  
Loss rate: 8.36%



## Run 9: Report of PCC-Expr — Data Link

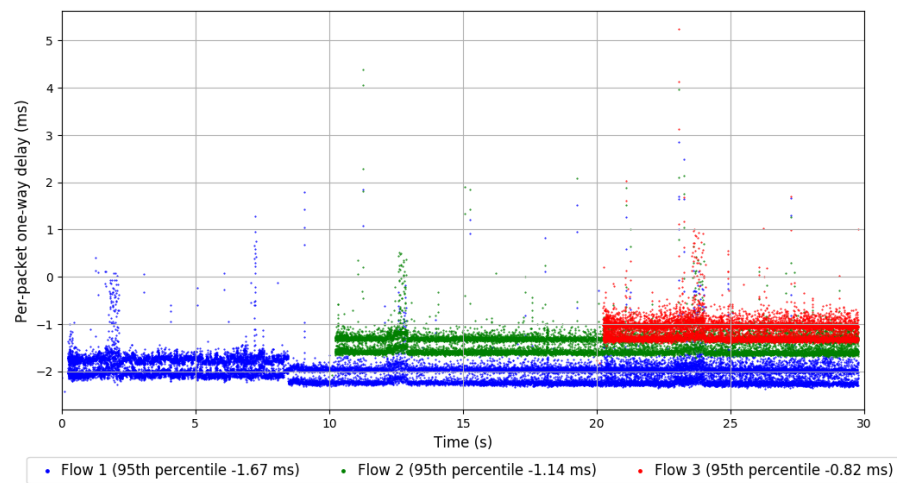
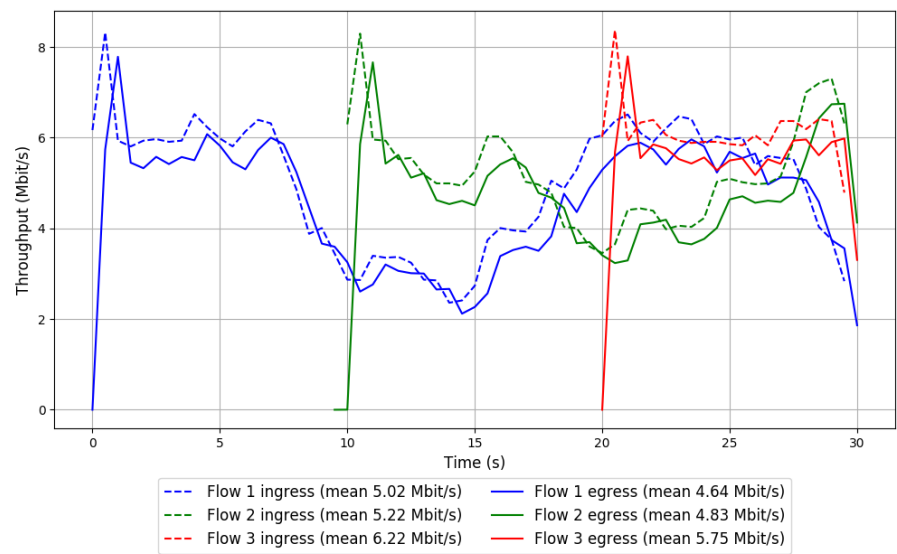


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 19:30:20  
End at: 2018-06-30 19:30:50  
Local clock offset: 3.75 ms  
Remote clock offset: 31.528 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 9.73 Mbit/s  
95th percentile per-packet one-way delay: -1.002 ms  
Loss rate: 8.14%  
-- Flow 1:  
Average throughput: 4.64 Mbit/s  
95th percentile per-packet one-way delay: -1.669 ms  
Loss rate: 8.01%  
-- Flow 2:  
Average throughput: 4.83 Mbit/s  
95th percentile per-packet one-way delay: -1.143 ms  
Loss rate: 8.10%  
-- Flow 3:  
Average throughput: 5.75 Mbit/s  
95th percentile per-packet one-way delay: -0.819 ms  
Loss rate: 8.54%

Run 10: Report of PCC-Expr — Data Link

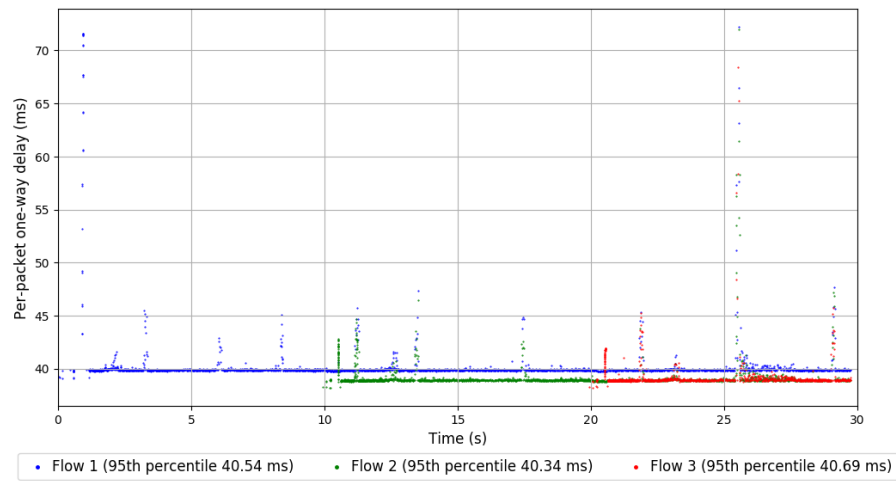
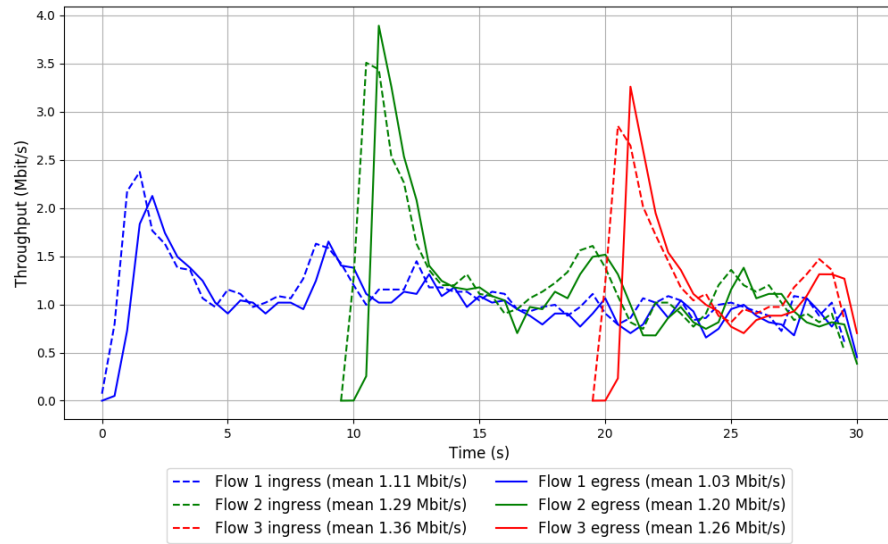


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 14:39:19  
End at: 2018-06-30 14:39:49  
Local clock offset: -1.073 ms  
Remote clock offset: -10.64 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.25 Mbit/s  
95th percentile per-packet one-way delay: 40.505 ms  
Loss rate: 7.71%  
-- Flow 1:  
Average throughput: 1.03 Mbit/s  
95th percentile per-packet one-way delay: 40.540 ms  
Loss rate: 7.74%  
-- Flow 2:  
Average throughput: 1.20 Mbit/s  
95th percentile per-packet one-way delay: 40.339 ms  
Loss rate: 7.35%  
-- Flow 3:  
Average throughput: 1.26 Mbit/s  
95th percentile per-packet one-way delay: 40.693 ms  
Loss rate: 8.33%

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

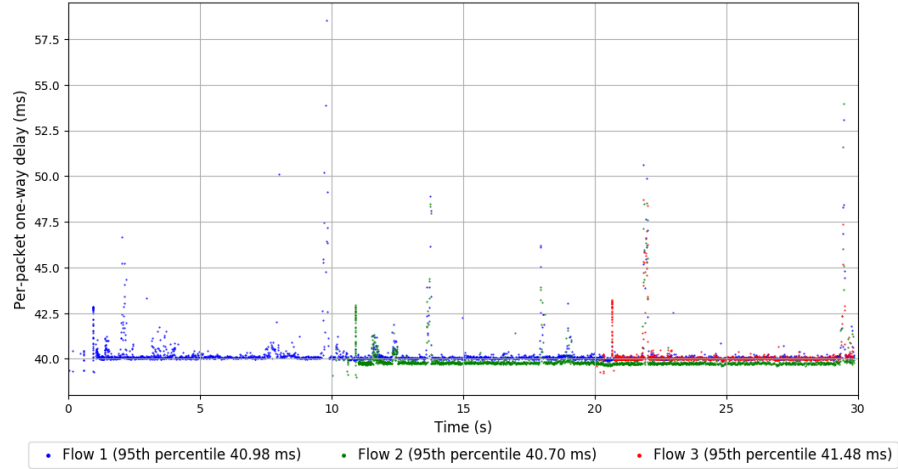
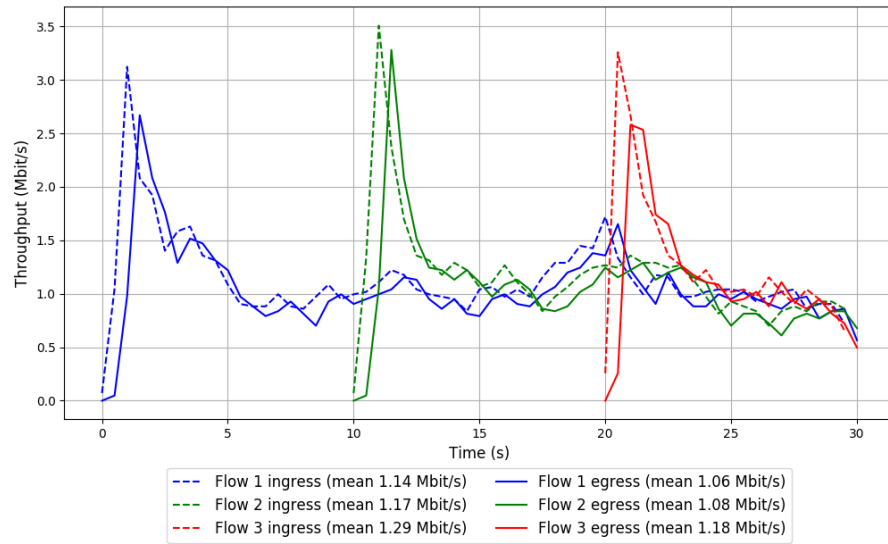


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 15:13:03  
End at: 2018-06-30 15:13:33  
Local clock offset: 4.718 ms  
Remote clock offset: -11.466 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.16 Mbit/s  
95th percentile per-packet one-way delay: 40.945 ms  
Loss rate: 7.91%  
-- Flow 1:  
Average throughput: 1.06 Mbit/s  
95th percentile per-packet one-way delay: 40.981 ms  
Loss rate: 7.12%  
-- Flow 2:  
Average throughput: 1.08 Mbit/s  
95th percentile per-packet one-way delay: 40.701 ms  
Loss rate: 8.34%  
-- Flow 3:  
Average throughput: 1.18 Mbit/s  
95th percentile per-packet one-way delay: 41.476 ms  
Loss rate: 9.26%

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



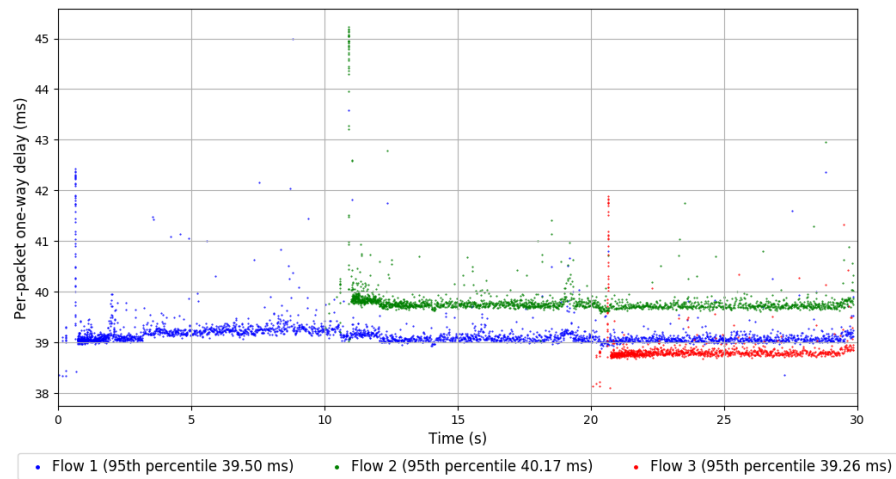
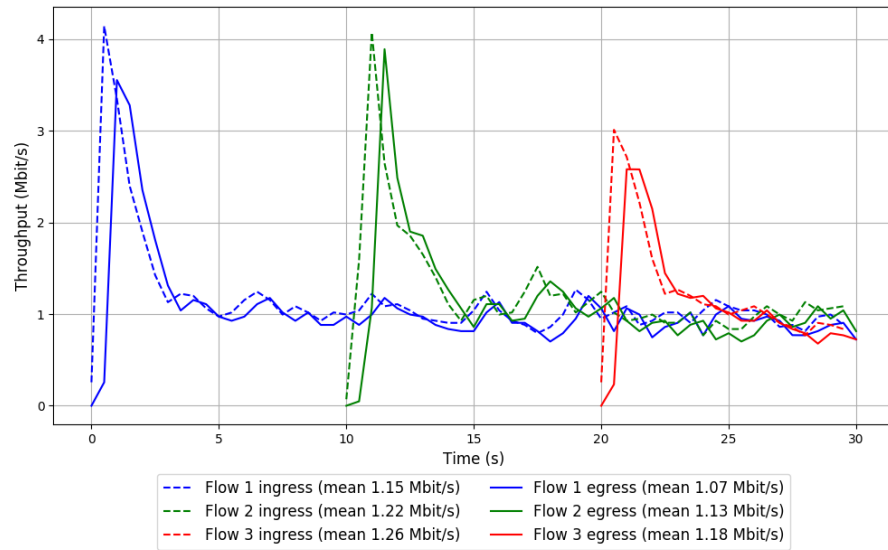
Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 15:47:55  
End at: 2018-06-30 15:48:25  
Local clock offset: 5.888 ms  
Remote clock offset: -10.394 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.20 Mbit/s  
95th percentile per-packet one-way delay: 39.932 ms  
Loss rate: 7.59%  
-- Flow 1:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 39.498 ms  
Loss rate: 7.42%  
-- Flow 2:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 40.171 ms  
Loss rate: 7.82%  
-- Flow 3:  
Average throughput: 1.18 Mbit/s  
95th percentile per-packet one-way delay: 39.258 ms  
Loss rate: 7.61%



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

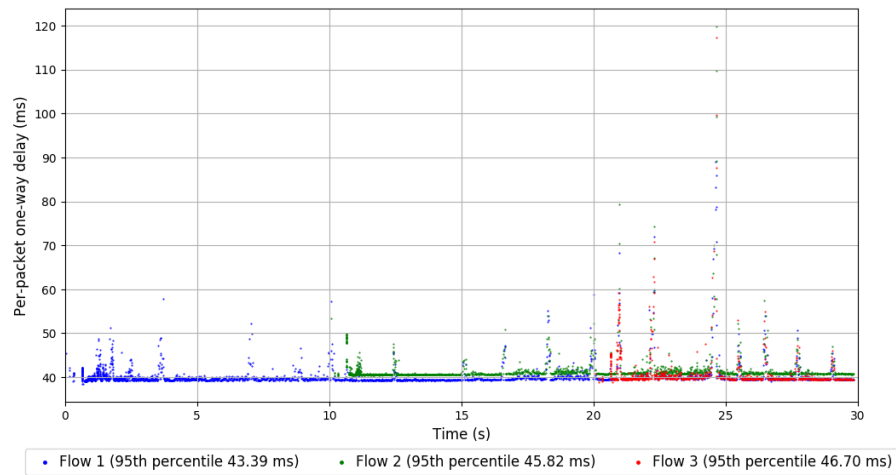
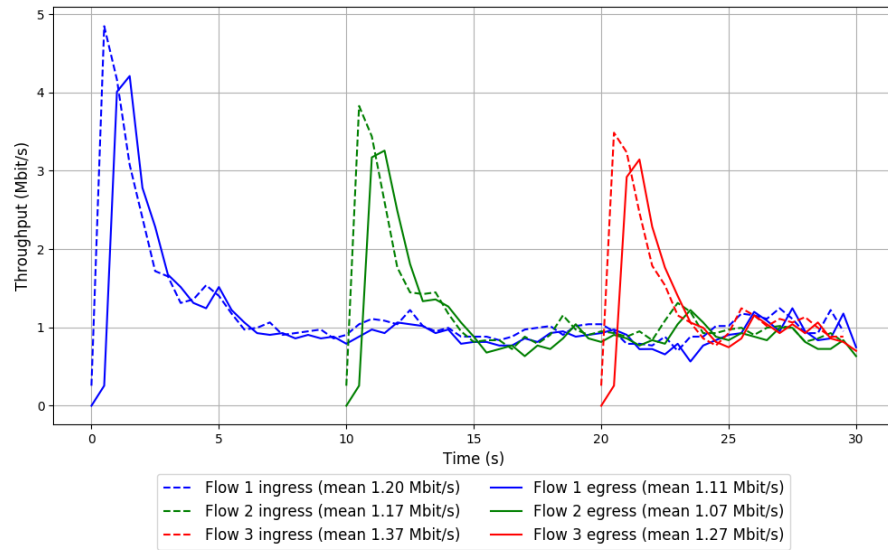


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 16:21:42  
End at: 2018-06-30 16:22:12  
Local clock offset: 1.125 ms  
Remote clock offset: -9.818 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 45.032 ms  
Loss rate: 8.35%  
-- Flow 1:  
Average throughput: 1.11 Mbit/s  
95th percentile per-packet one-way delay: 43.386 ms  
Loss rate: 8.04%  
-- Flow 2:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 45.821 ms  
Loss rate: 8.86%  
-- Flow 3:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 46.702 ms  
Loss rate: 8.29%

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

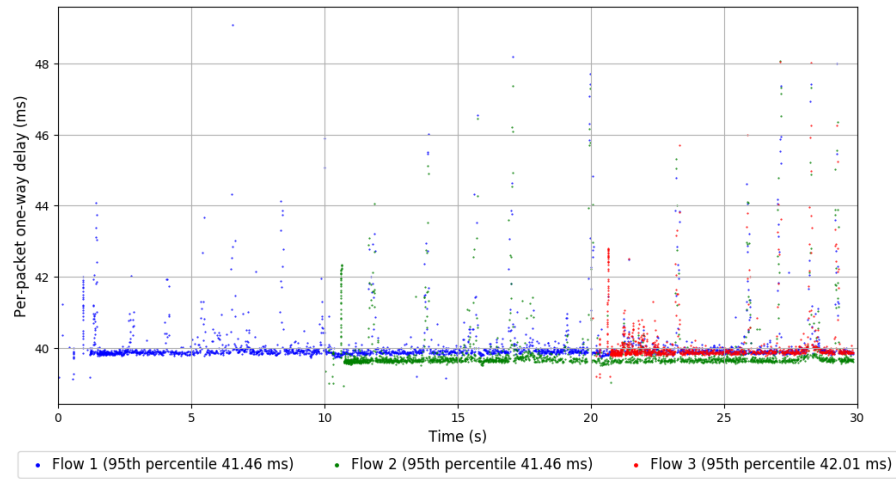
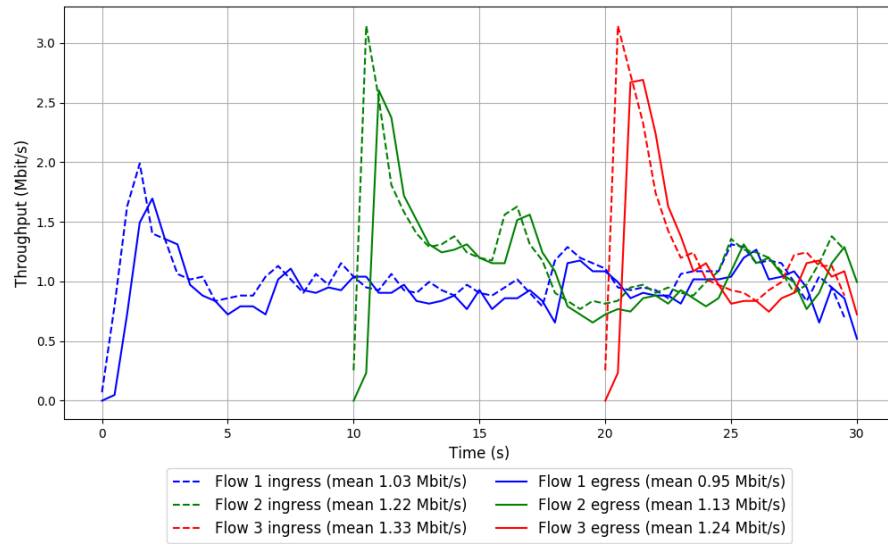


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 16:54:13  
End at: 2018-06-30 16:54:43  
Local clock offset: -6.909 ms  
Remote clock offset: -10.325 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 41.570 ms  
Loss rate: 7.93%  
-- Flow 1:  
Average throughput: 0.95 Mbit/s  
95th percentile per-packet one-way delay: 41.457 ms  
Loss rate: 8.30%  
-- Flow 2:  
Average throughput: 1.13 Mbit/s  
95th percentile per-packet one-way delay: 41.456 ms  
Loss rate: 7.56%  
-- Flow 3:  
Average throughput: 1.24 Mbit/s  
95th percentile per-packet one-way delay: 42.006 ms  
Loss rate: 7.75%

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



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 17:27:11

End at: 2018-06-30 17:27:41

Local clock offset: -1.804 ms

Remote clock offset: -8.49 ms

# Below is generated by plot.py at 2018-06-30 19:55:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 41.533 ms

Loss rate: 8.34%

-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 41.570 ms

Loss rate: 7.84%

-- Flow 2:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 40.689 ms

Loss rate: 9.45%

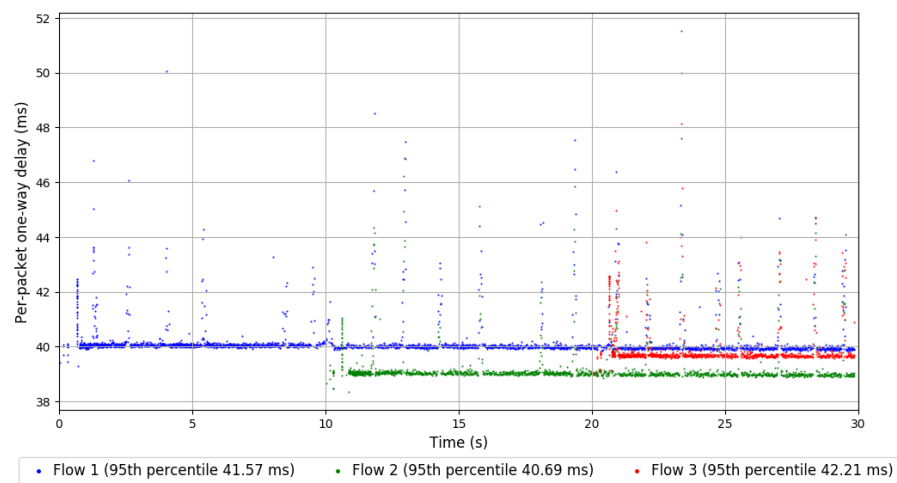
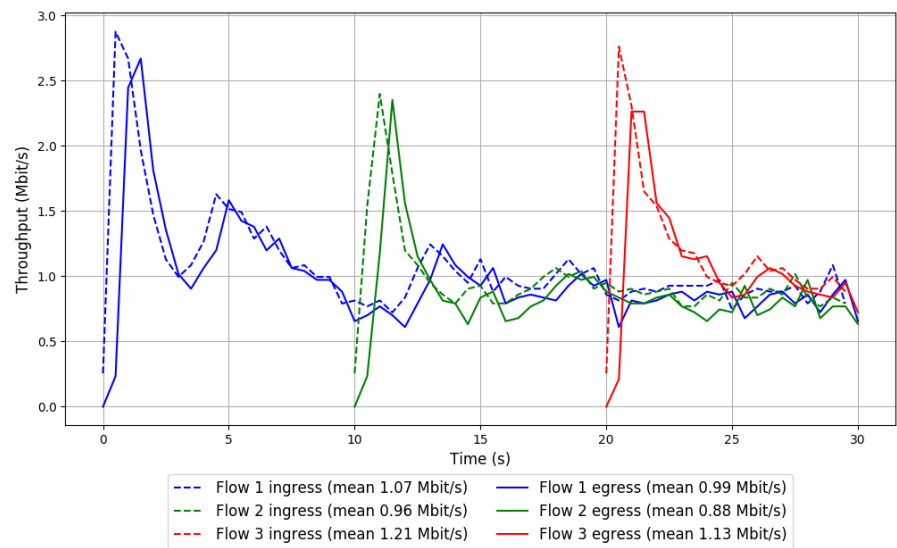
-- Flow 3:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 42.214 ms

Loss rate: 7.92%

Run 6: Report of QUIC Cubic — Data Link



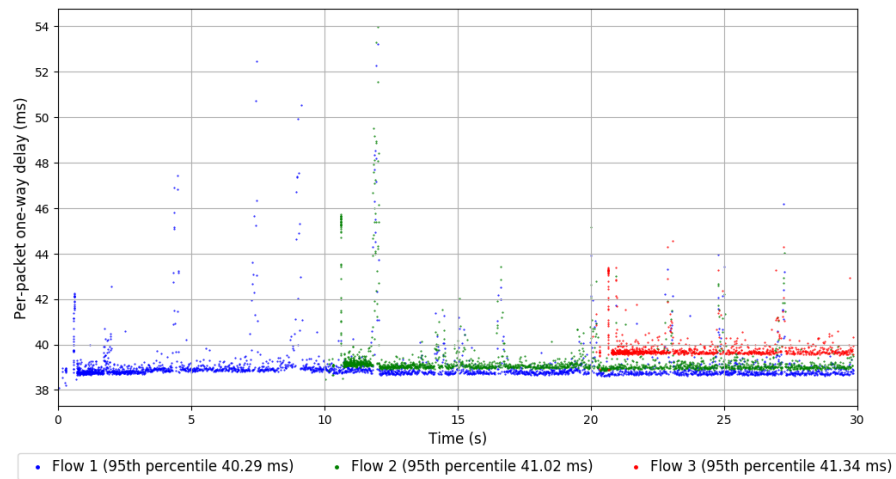
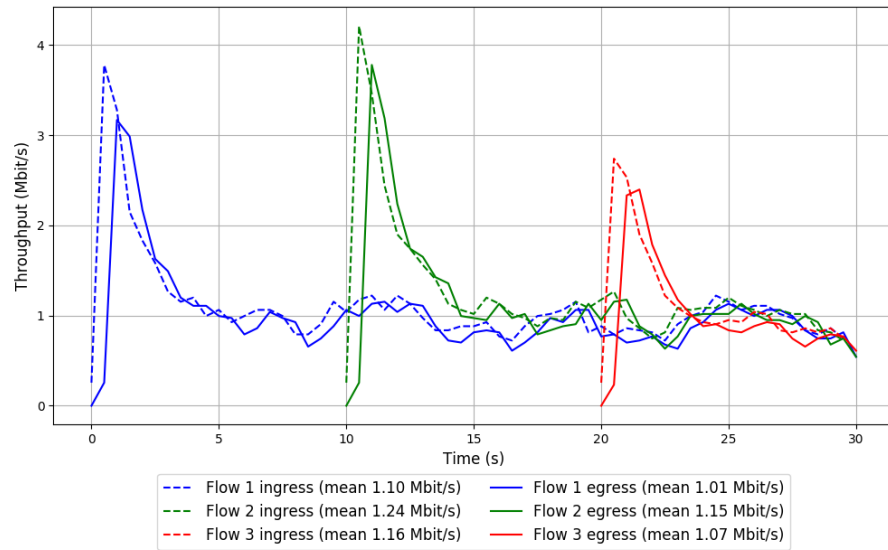
Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 18:00:57  
End at: 2018-06-30 18:01:27  
Local clock offset: 4.952 ms  
Remote clock offset: -7.728 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.13 Mbit/s  
95th percentile per-packet one-way delay: 40.763 ms  
Loss rate: 8.24%  
-- Flow 1:  
Average throughput: 1.01 Mbit/s  
95th percentile per-packet one-way delay: 40.286 ms  
Loss rate: 7.86%  
-- Flow 2:  
Average throughput: 1.15 Mbit/s  
95th percentile per-packet one-way delay: 41.024 ms  
Loss rate: 8.22%  
-- Flow 3:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 41.338 ms  
Loss rate: 9.34%



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

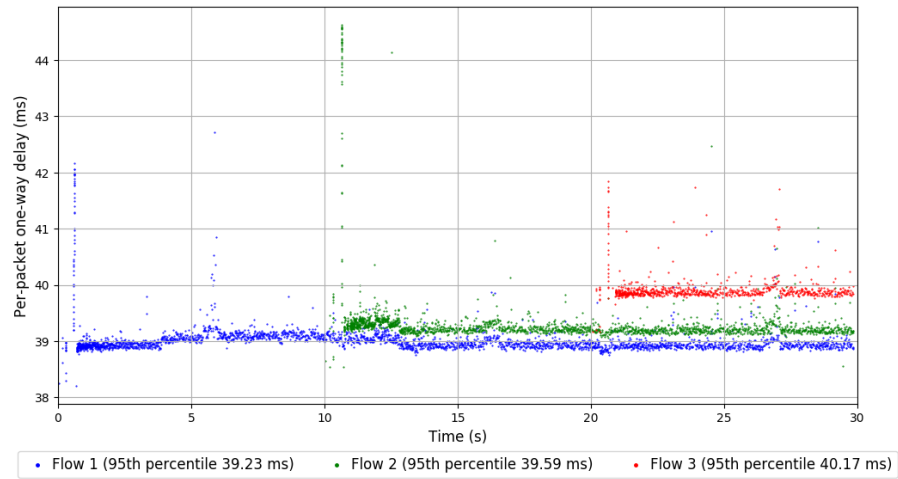
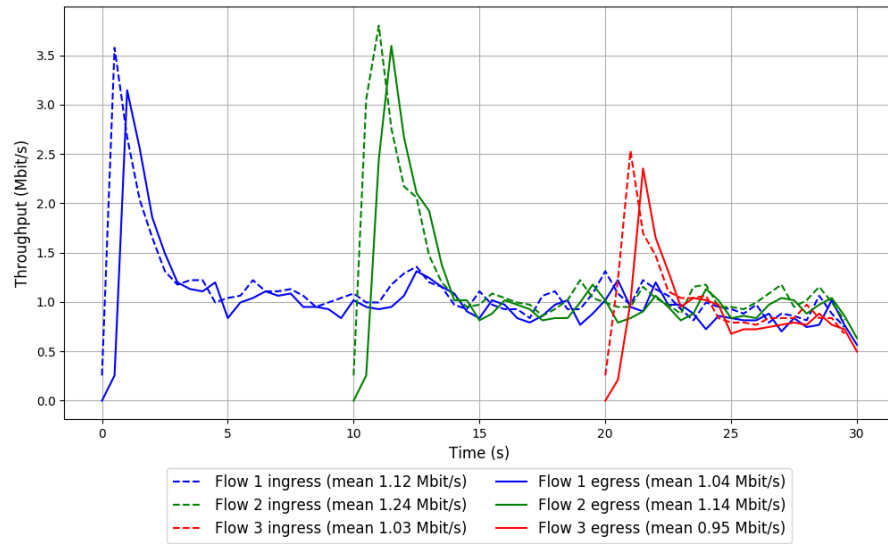


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 18:35:58  
End at: 2018-06-30 18:36:28  
Local clock offset: 5.314 ms  
Remote clock offset: -8.761 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.10 Mbit/s  
95th percentile per-packet one-way delay: 39.934 ms  
Loss rate: 8.37%  
-- Flow 1:  
Average throughput: 1.04 Mbit/s  
95th percentile per-packet one-way delay: 39.229 ms  
Loss rate: 8.05%  
-- Flow 2:  
Average throughput: 1.14 Mbit/s  
95th percentile per-packet one-way delay: 39.585 ms  
Loss rate: 8.46%  
-- Flow 3:  
Average throughput: 0.95 Mbit/s  
95th percentile per-packet one-way delay: 40.175 ms  
Loss rate: 9.18%

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

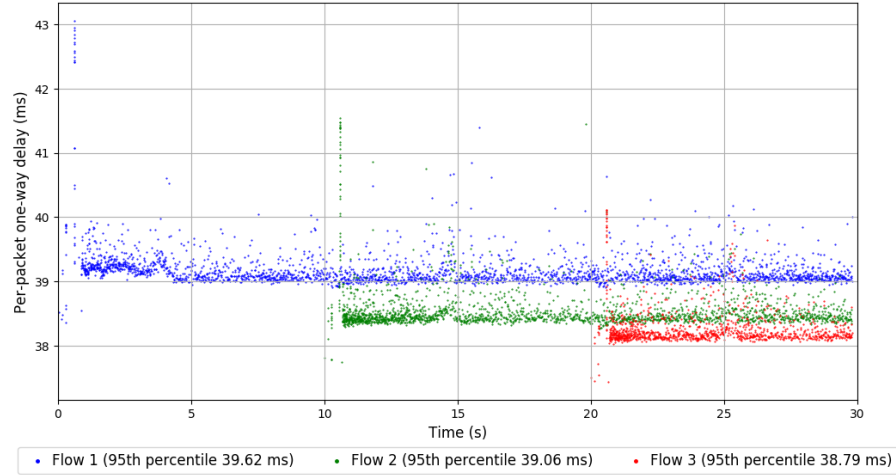
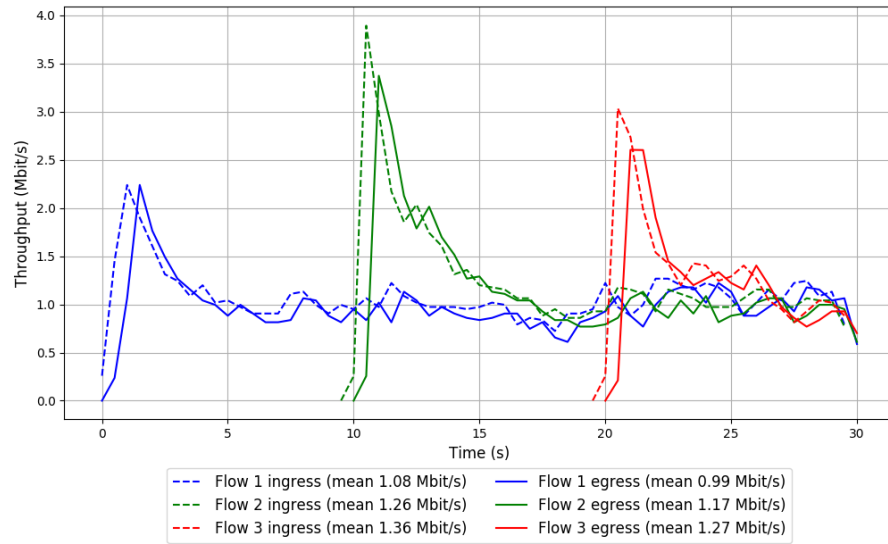


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 19:09:07  
End at: 2018-06-30 19:09:37  
Local clock offset: 1.339 ms  
Remote clock offset: -8.613 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 39.460 ms  
Loss rate: 7.88%  
-- Flow 1:  
Average throughput: 0.99 Mbit/s  
95th percentile per-packet one-way delay: 39.620 ms  
Loss rate: 8.27%  
-- Flow 2:  
Average throughput: 1.17 Mbit/s  
95th percentile per-packet one-way delay: 39.059 ms  
Loss rate: 7.58%  
-- Flow 3:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 38.789 ms  
Loss rate: 7.49%

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

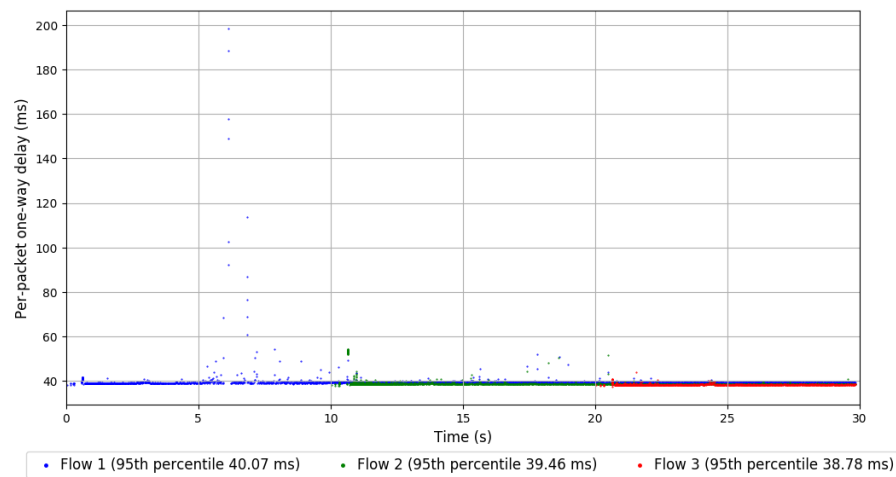
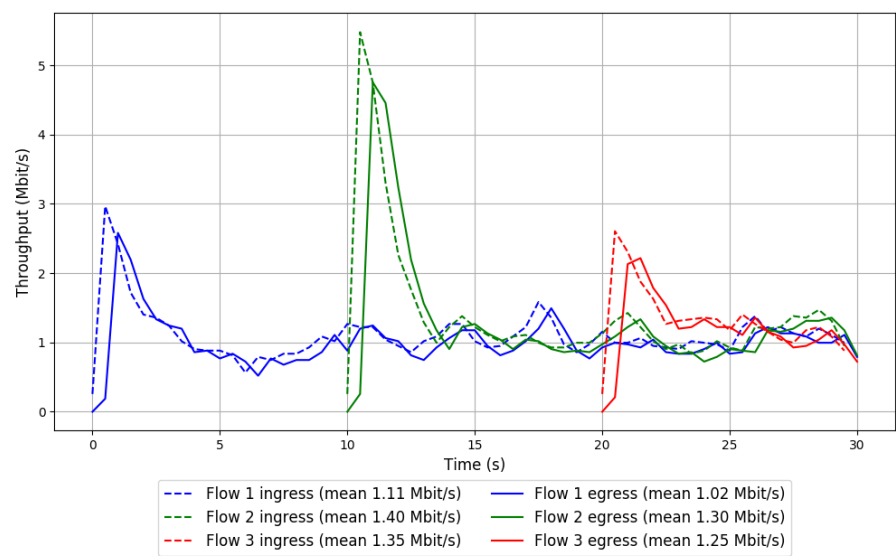


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 19:45:09  
End at: 2018-06-30 19:45:39  
Local clock offset: 4.706 ms  
Remote clock offset: -8.647 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.30 Mbit/s  
95th percentile per-packet one-way delay: 39.758 ms  
Loss rate: 7.64%  
-- Flow 1:  
Average throughput: 1.02 Mbit/s  
95th percentile per-packet one-way delay: 40.074 ms  
Loss rate: 7.86%  
-- Flow 2:  
Average throughput: 1.30 Mbit/s  
95th percentile per-packet one-way delay: 39.460 ms  
Loss rate: 7.27%  
-- Flow 3:  
Average throughput: 1.25 Mbit/s  
95th percentile per-packet one-way delay: 38.783 ms  
Loss rate: 7.90%

Run 10: Report of QUIC Cubic — Data Link



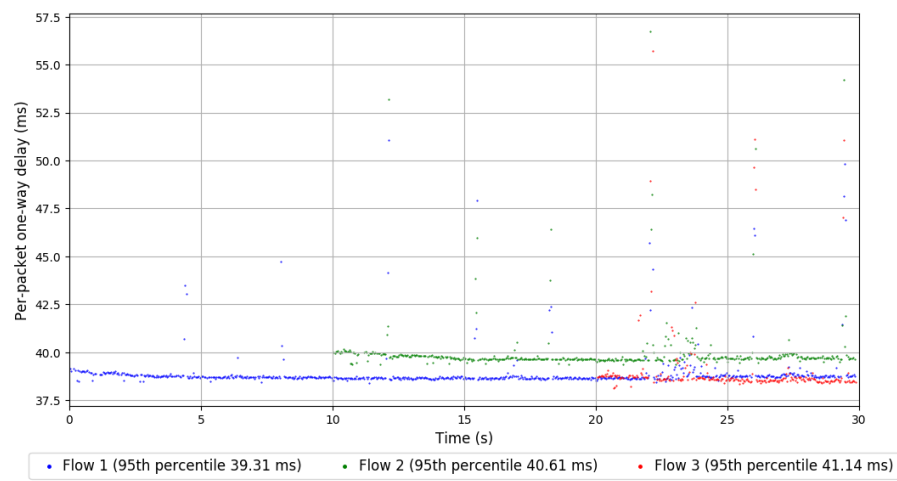
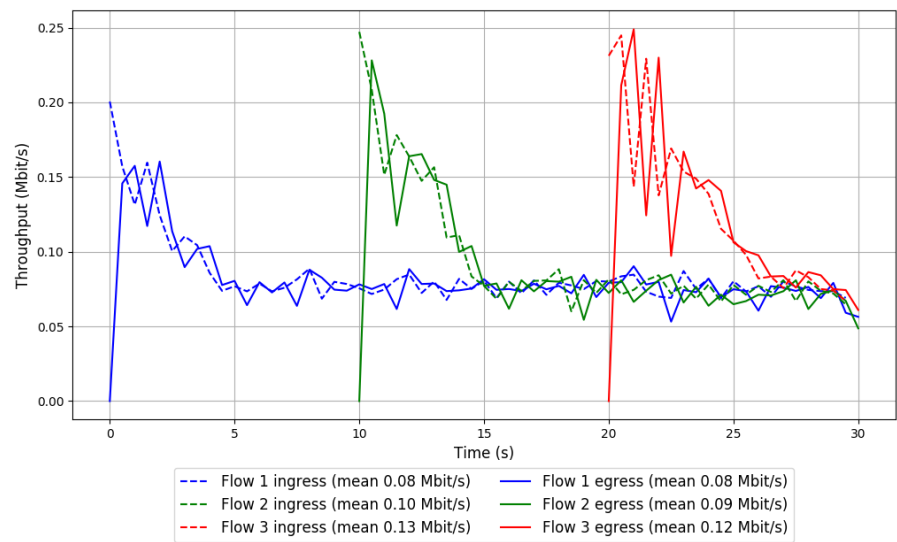
```
Run 1: Statistics of SCReAM

Start at: 2018-06-30 14:27:30
End at: 2018-06-30 14:28:00
Local clock offset: -0.578 ms
Remote clock offset: -10.167 ms

# Below is generated by plot.py at 2018-06-30 19:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 40.352 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 39.312 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 40.607 ms
Loss rate: 5.48%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 41.140 ms
Loss rate: 4.20%
```



Run 1: Report of SReAM — Data Link

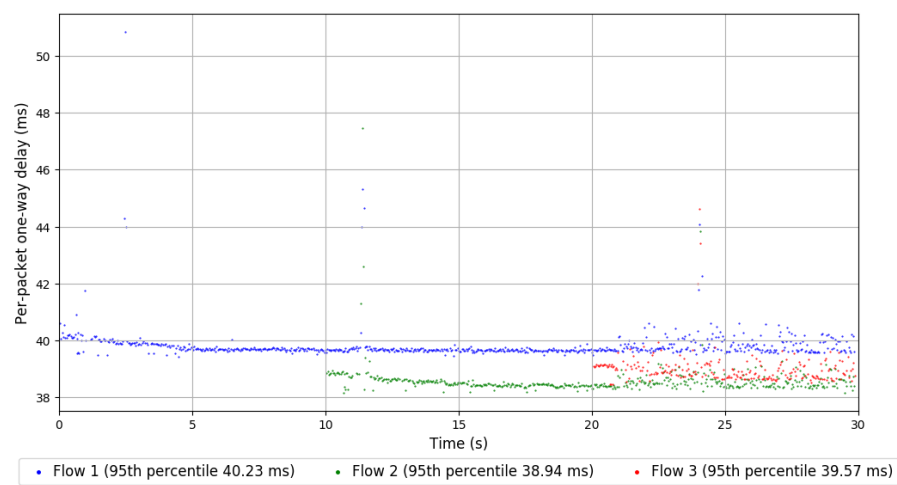
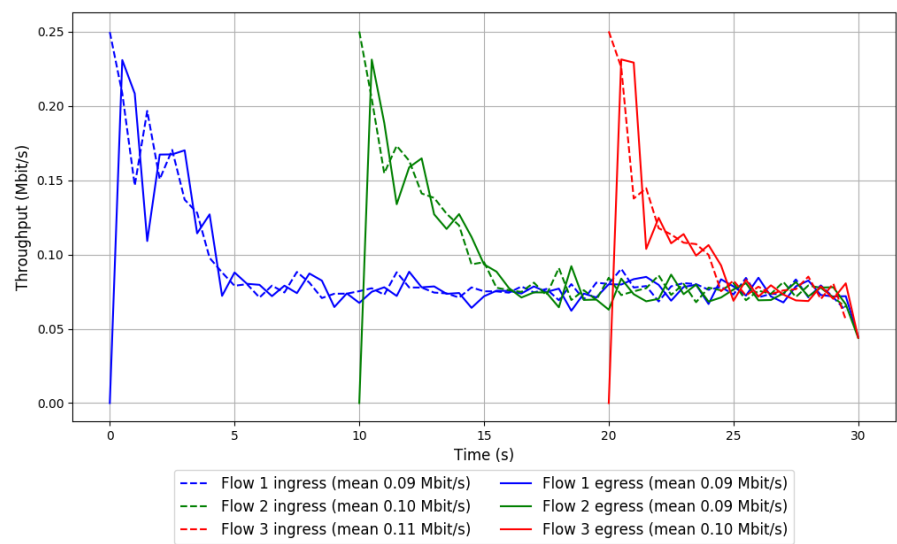


Run 2: Statistics of SCReAM

Start at: 2018-06-30 15:01:23  
End at: 2018-06-30 15:01:53  
Local clock offset: 3.883 ms  
Remote clock offset: -11.104 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 40.119 ms  
Loss rate: 4.57%  
-- Flow 1:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 40.225 ms  
Loss rate: 3.42%  
-- Flow 2:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 38.941 ms  
Loss rate: 5.20%  
-- Flow 3:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 39.571 ms  
Loss rate: 6.34%

Run 2: Report of SReAM — Data Link

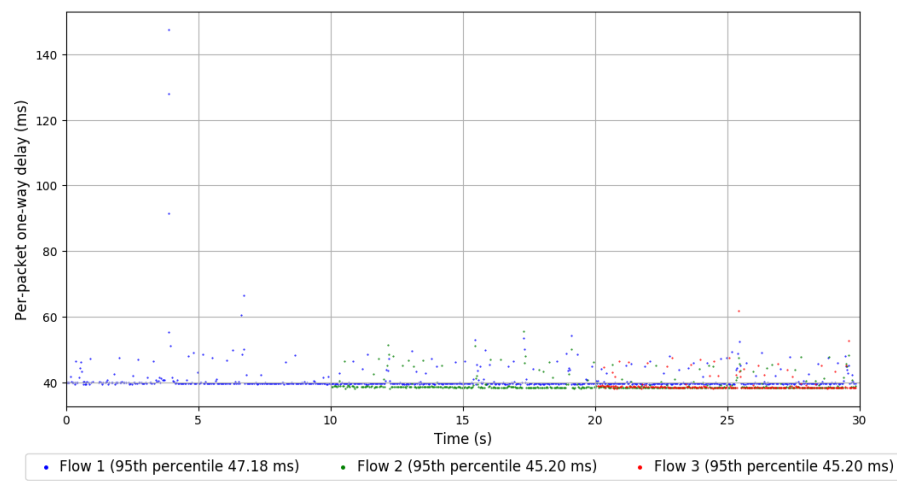
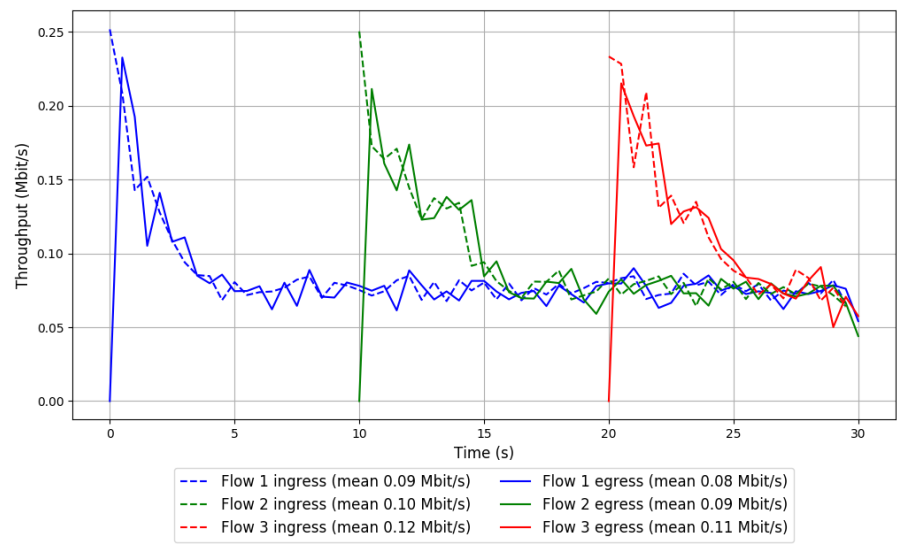


Run 3: Statistics of SCReAM

Start at: 2018-06-30 15:35:58  
End at: 2018-06-30 15:36:28  
Local clock offset: 5.419 ms  
Remote clock offset: -10.444 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 46.252 ms  
Loss rate: 4.48%  
-- Flow 1:  
Average throughput: 0.08 Mbit/s  
95th percentile per-packet one-way delay: 47.179 ms  
Loss rate: 4.05%  
-- Flow 2:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 45.195 ms  
Loss rate: 4.14%  
-- Flow 3:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 45.195 ms  
Loss rate: 5.98%

Run 3: Report of SReAM — Data Link

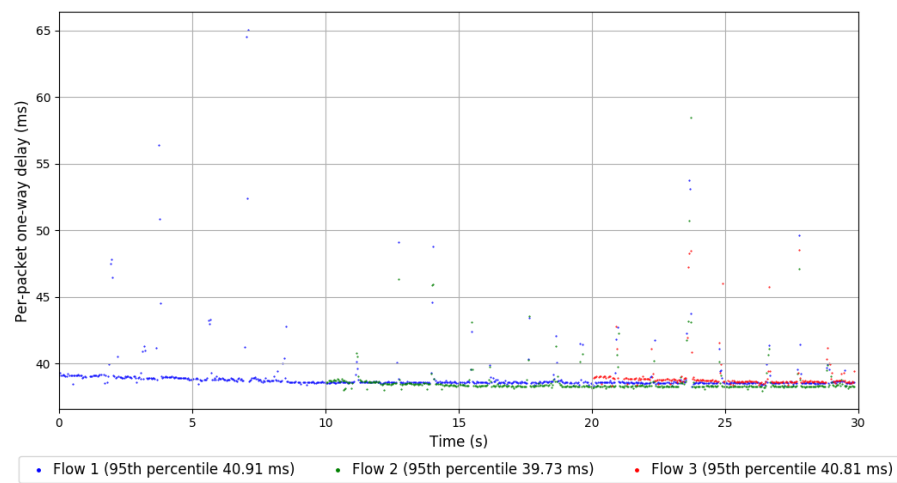
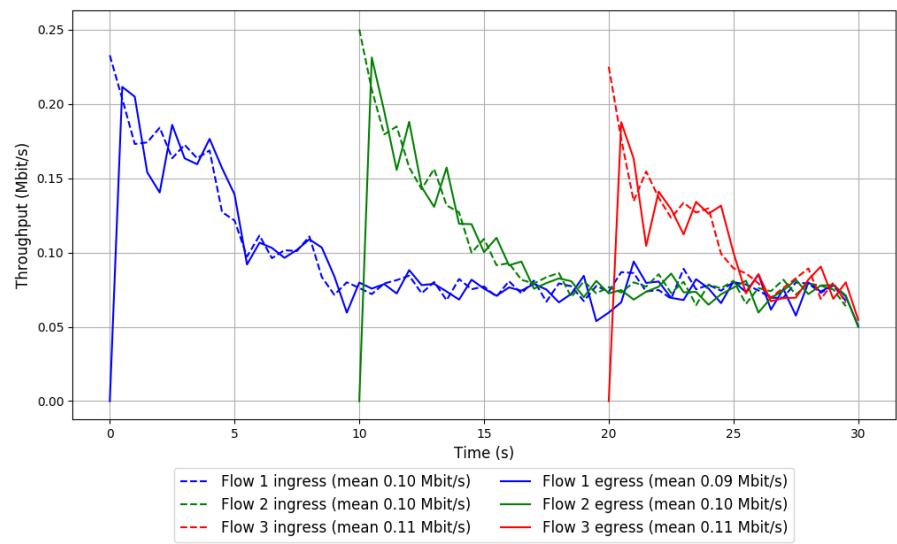


Run 4: Statistics of SCReAM

Start at: 2018-06-30 16:09:59  
End at: 2018-06-30 16:10:29  
Local clock offset: 6.97 ms  
Remote clock offset: -9.882 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 40.335 ms  
Loss rate: 4.43%  
-- Flow 1:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 40.908 ms  
Loss rate: 3.62%  
-- Flow 2:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 39.734 ms  
Loss rate: 4.10%  
-- Flow 3:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 40.814 ms  
Loss rate: 7.10%

Run 4: Report of SReAM — Data Link



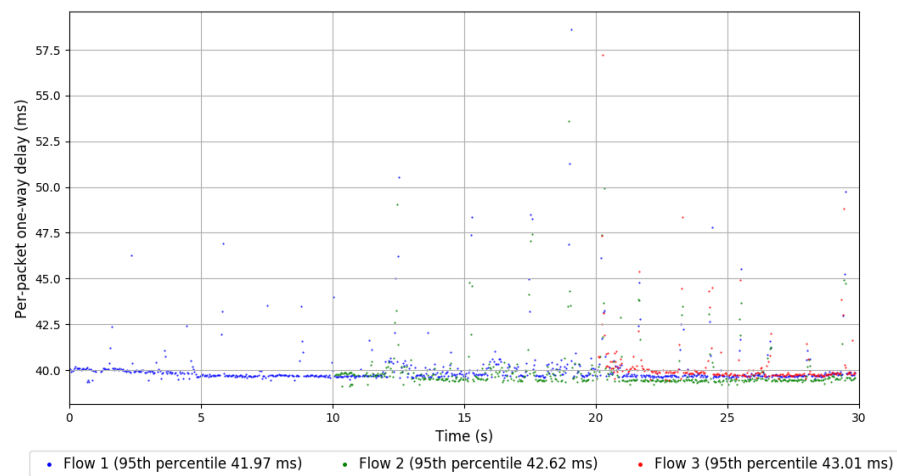
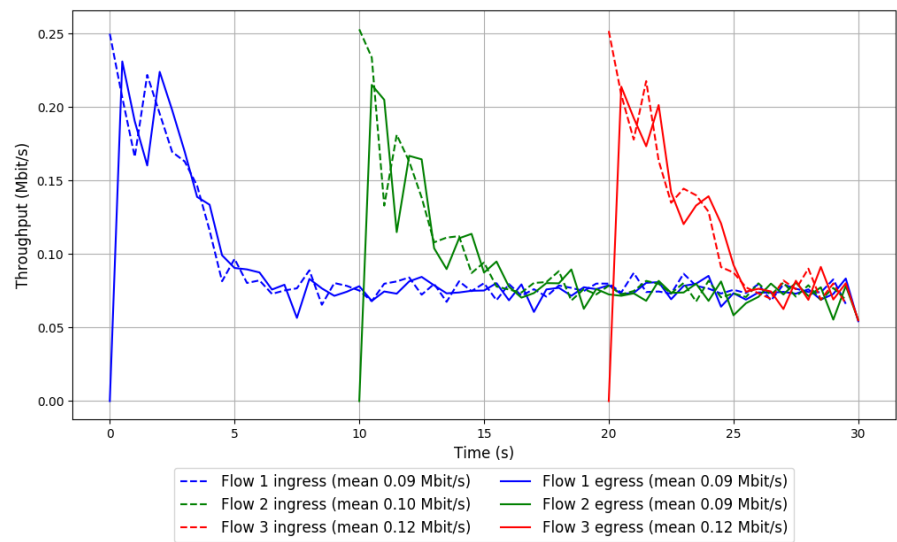
Run 5: Statistics of SCReAM

Start at: 2018-06-30 16:42:30  
End at: 2018-06-30 16:43:00  
Local clock offset: -5.901 ms  
Remote clock offset: -10.406 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 42.240 ms  
Loss rate: 4.78%  
-- Flow 1:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 41.970 ms  
Loss rate: 3.13%  
-- Flow 2:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 42.620 ms  
Loss rate: 5.87%  
-- Flow 3:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 43.013 ms  
Loss rate: 6.85%



Run 5: Report of SReAM — Data Link

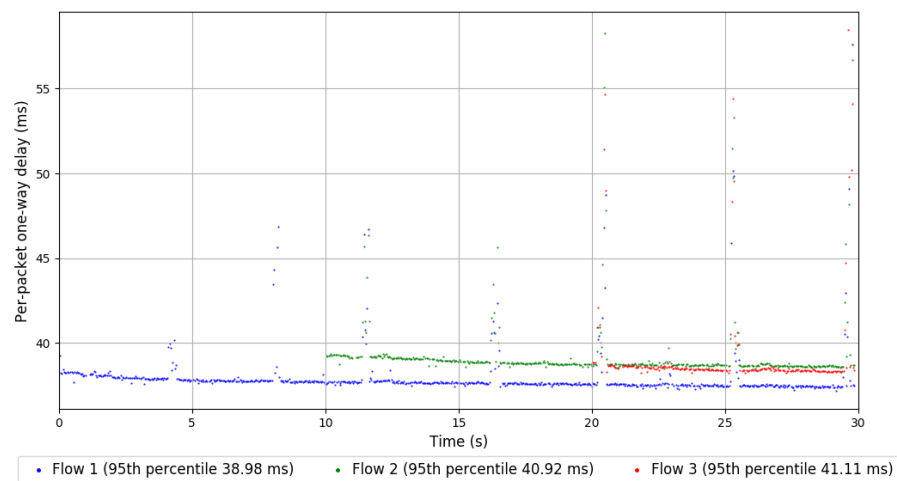
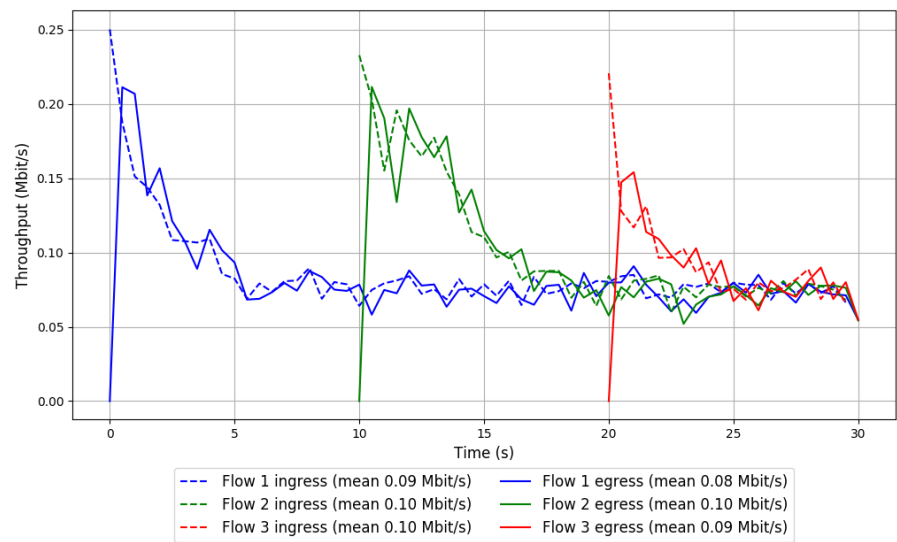


Run 6: Statistics of SCReAM

Start at: 2018-06-30 17:15:30  
End at: 2018-06-30 17:16:00  
Local clock offset: -8.932 ms  
Remote clock offset: -8.961 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 40.381 ms  
Loss rate: 4.15%  
-- Flow 1:  
Average throughput: 0.08 Mbit/s  
95th percentile per-packet one-way delay: 38.985 ms  
Loss rate: 3.45%  
-- Flow 2:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 40.922 ms  
Loss rate: 4.22%  
-- Flow 3:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 41.106 ms  
Loss rate: 5.88%

Run 6: Report of SReAM — Data Link

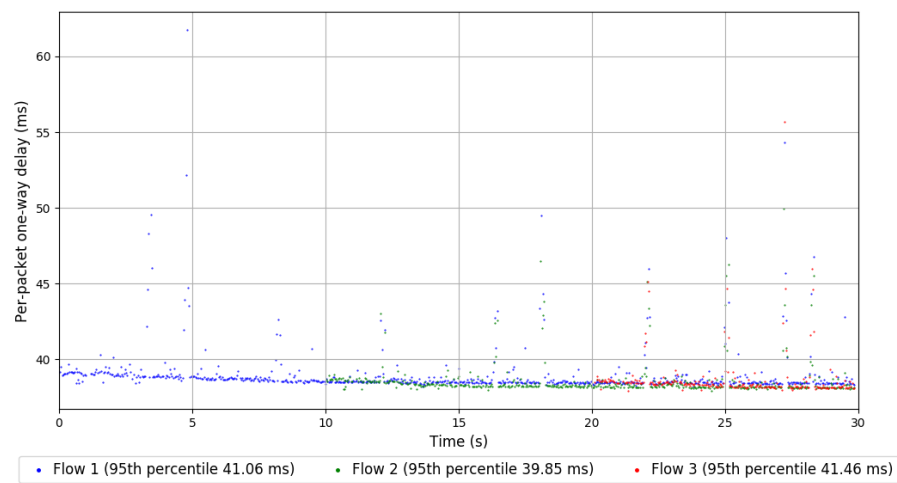
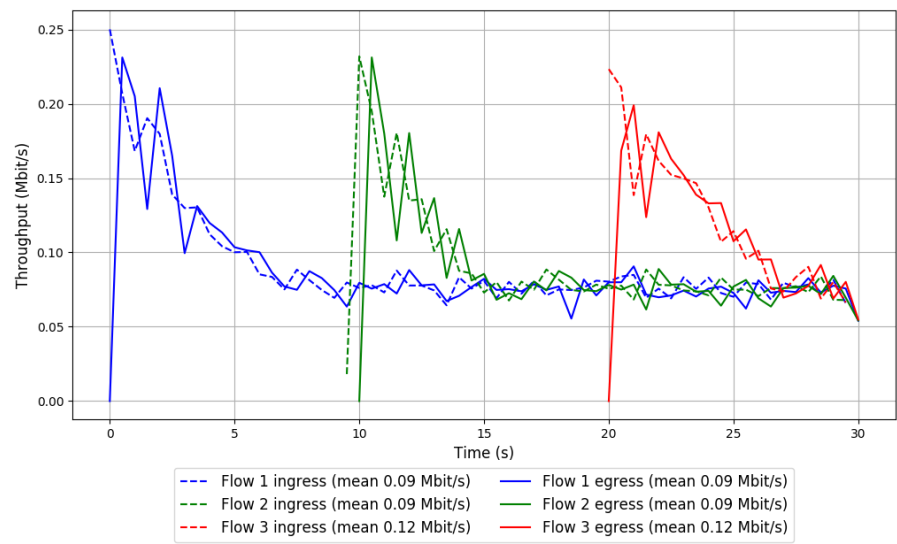


Run 7: Statistics of SCReAM

Start at: 2018-06-30 17:49:01  
End at: 2018-06-30 17:49:31  
Local clock offset: 2.217 ms  
Remote clock offset: -7.875 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 40.777 ms  
Loss rate: 4.01%  
-- Flow 1:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 41.058 ms  
Loss rate: 3.28%  
-- Flow 2:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 39.846 ms  
Loss rate: 4.28%  
-- Flow 3:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 41.464 ms  
Loss rate: 5.27%

Run 7: Report of SCSReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-30 18:23:51

End at: 2018-06-30 18:24:21

Local clock offset: 5.54 ms

Remote clock offset: -8.52 ms

# Below is generated by plot.py at 2018-06-30 19:55:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 40.129 ms

Loss rate: 4.72%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 40.256 ms

Loss rate: 5.07%

-- Flow 2:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 39.006 ms

Loss rate: 4.27%

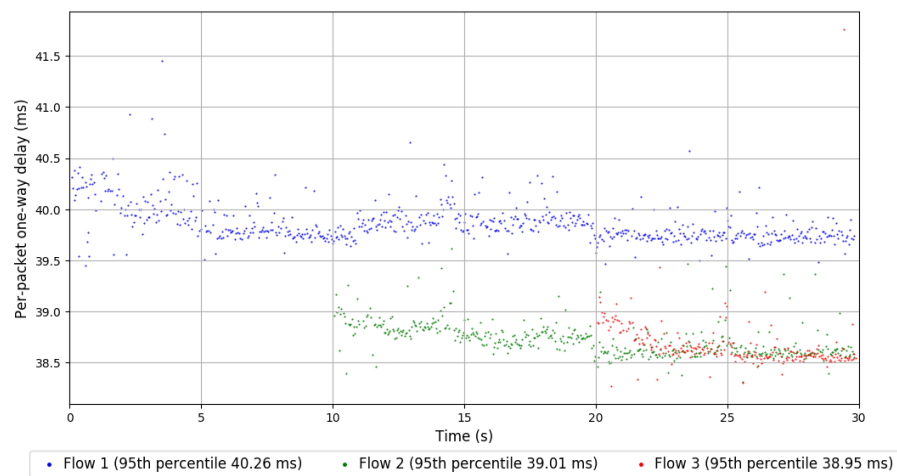
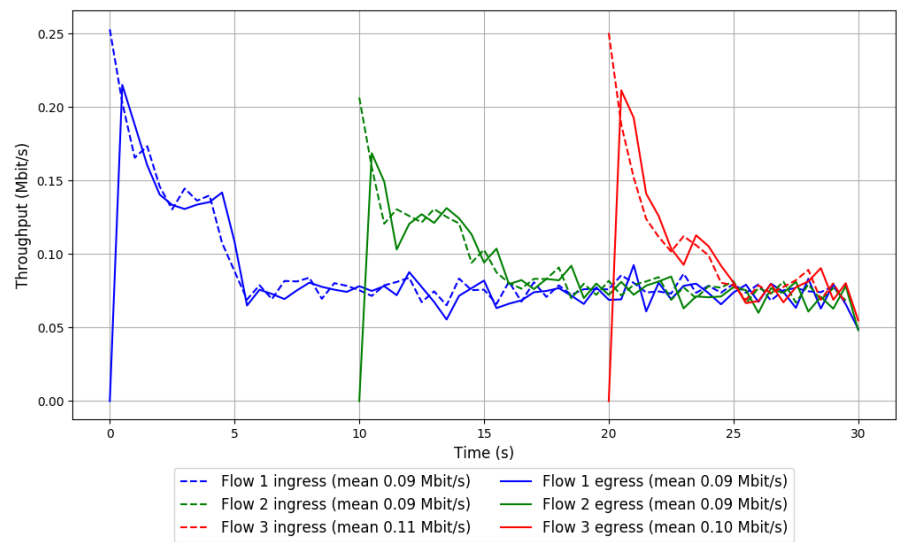
-- Flow 3:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 38.949 ms

Loss rate: 4.63%

Run 8: Report of SReAM — Data Link



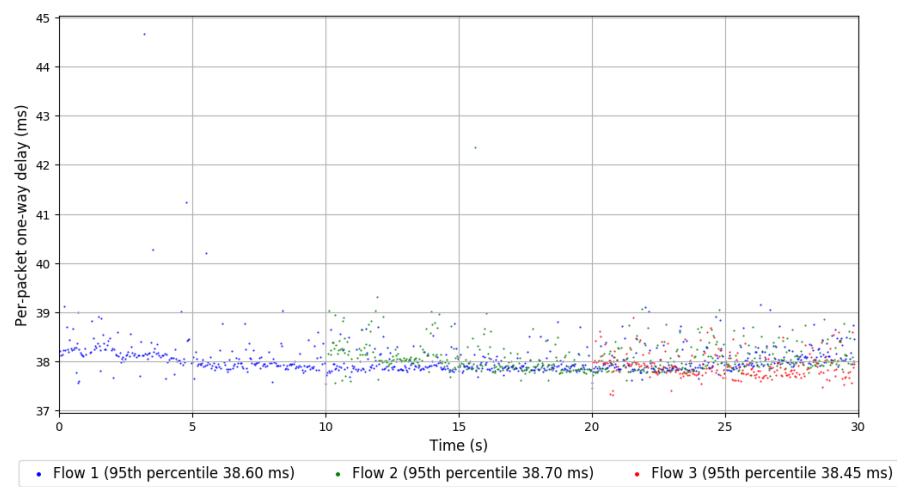
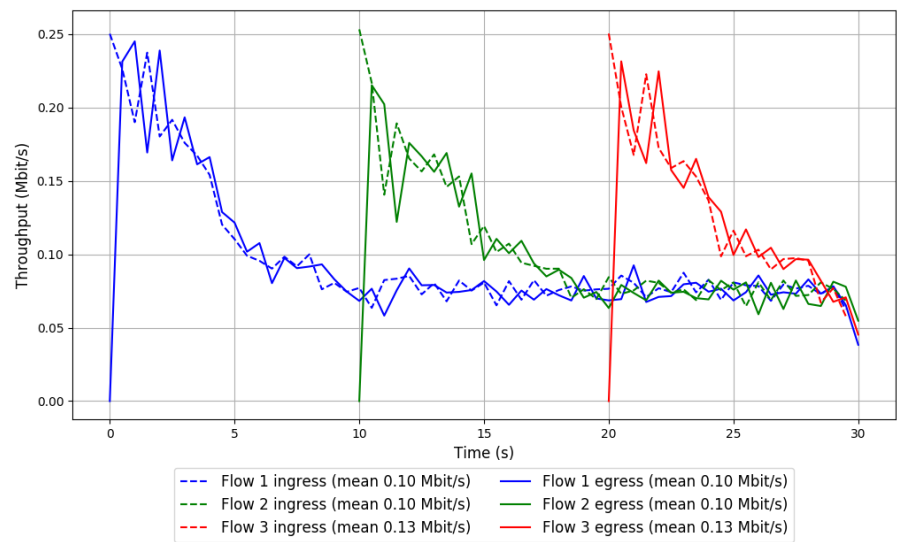
Run 9: Statistics of SCReAM

Start at: 2018-06-30 18:56:36  
End at: 2018-06-30 18:57:06  
Local clock offset: 2.189 ms  
Remote clock offset: -8.511 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 38.626 ms  
Loss rate: 4.06%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 38.603 ms  
Loss rate: 3.42%  
-- Flow 2:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 38.695 ms  
Loss rate: 4.71%  
-- Flow 3:  
Average throughput: 0.13 Mbit/s  
95th percentile per-packet one-way delay: 38.453 ms  
Loss rate: 4.47%



Run 9: Report of SReAM — Data Link

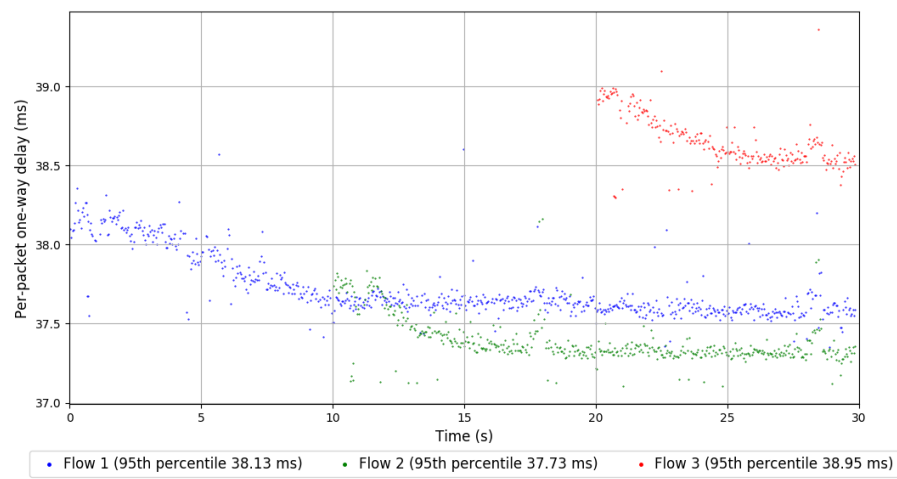
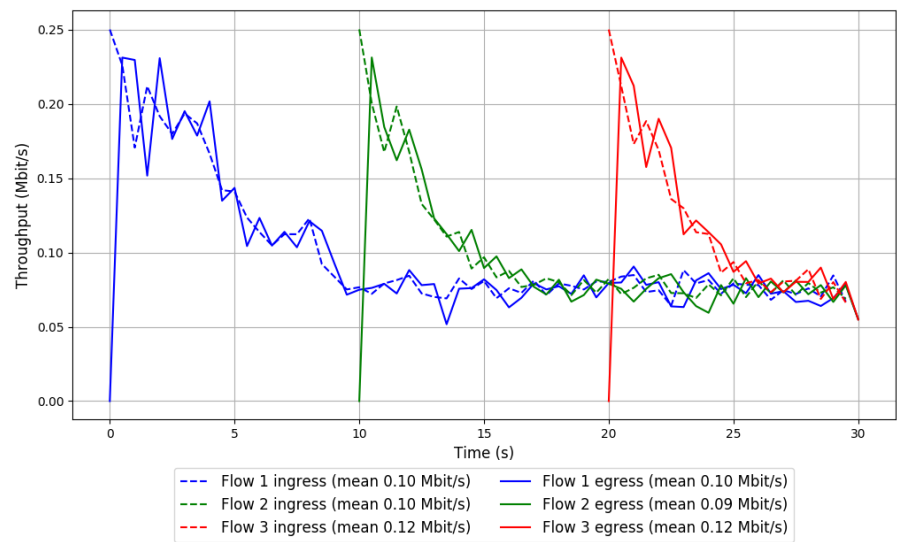


Run 10: Statistics of SReAM

Start at: 2018-06-30 19:32:22  
End at: 2018-06-30 19:32:52  
Local clock offset: 3.786 ms  
Remote clock offset: -8.633 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 38.708 ms  
Loss rate: 3.41%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 38.133 ms  
Loss rate: 2.90%  
-- Flow 2:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 37.734 ms  
Loss rate: 4.23%  
-- Flow 3:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 38.949 ms  
Loss rate: 3.36%

Run 10: Report of SReAM — Data Link

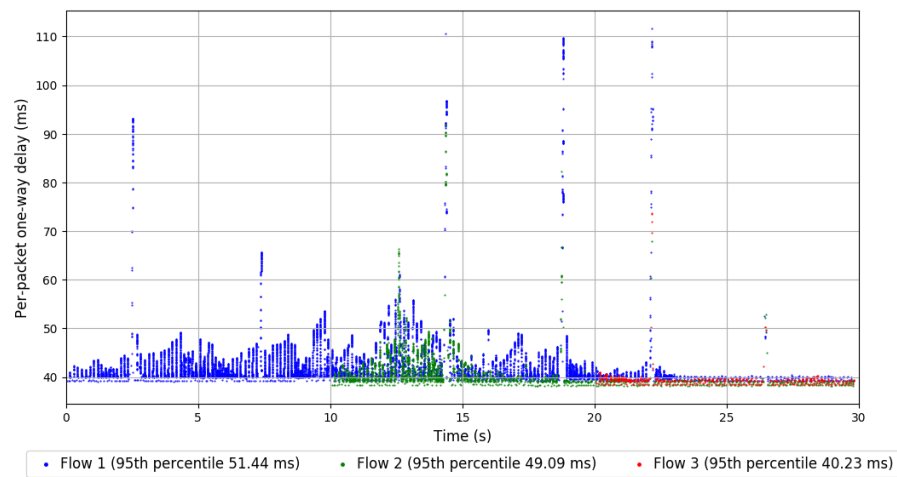
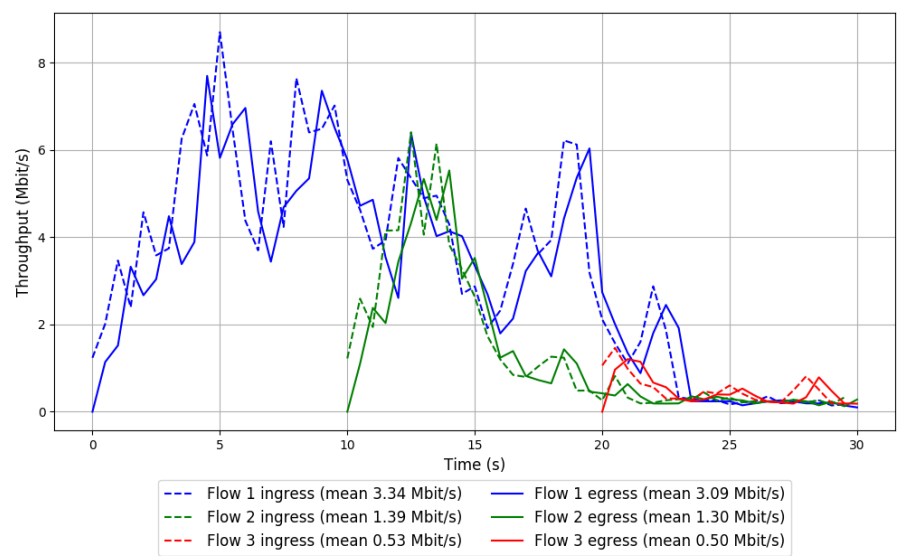


Run 1: Statistics of Sprout

Start at: 2018-06-30 14:37:44  
End at: 2018-06-30 14:38:14  
Local clock offset: -0.874 ms  
Remote clock offset: -10.551 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.11 Mbit/s  
95th percentile per-packet one-way delay: 50.931 ms  
Loss rate: 7.65%  
-- Flow 1:  
Average throughput: 3.09 Mbit/s  
95th percentile per-packet one-way delay: 51.443 ms  
Loss rate: 7.72%  
-- Flow 2:  
Average throughput: 1.30 Mbit/s  
95th percentile per-packet one-way delay: 49.091 ms  
Loss rate: 7.50%  
-- Flow 3:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 40.233 ms  
Loss rate: 7.08%

Run 1: Report of Sprout — Data Link

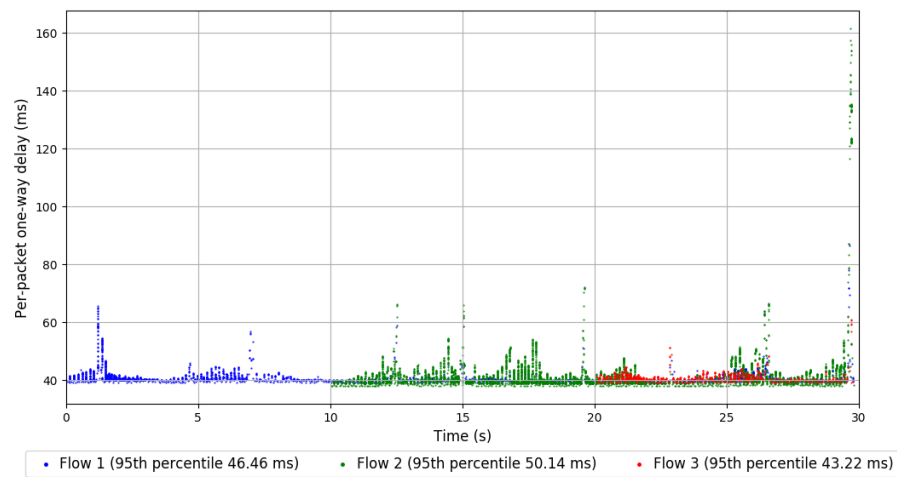
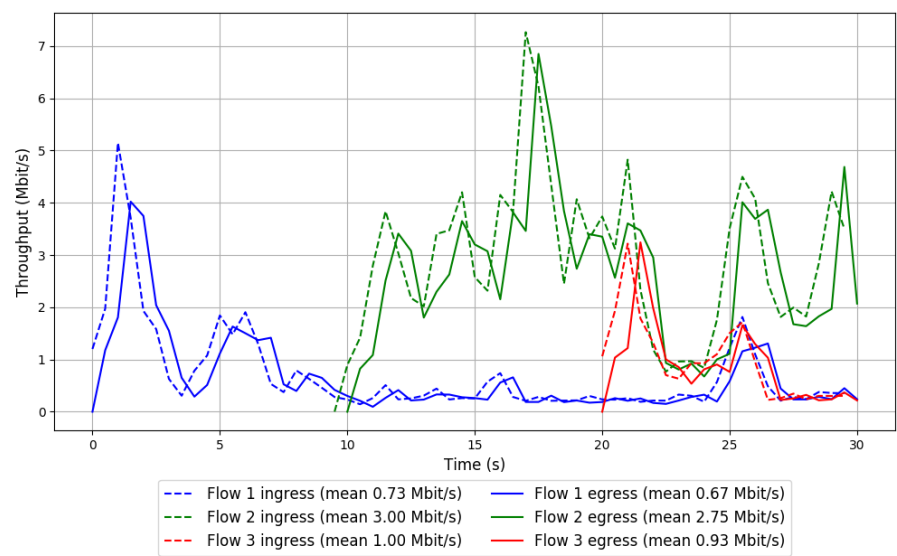


Run 2: Statistics of Sprout

Start at: 2018-06-30 15:11:30  
End at: 2018-06-30 15:12:00  
Local clock offset: 4.643 ms  
Remote clock offset: -11.362 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.80 Mbit/s  
95th percentile per-packet one-way delay: 48.667 ms  
Loss rate: 8.40%  
-- Flow 1:  
Average throughput: 0.67 Mbit/s  
95th percentile per-packet one-way delay: 46.459 ms  
Loss rate: 8.00%  
-- Flow 2:  
Average throughput: 2.75 Mbit/s  
95th percentile per-packet one-way delay: 50.142 ms  
Loss rate: 8.61%  
-- Flow 3:  
Average throughput: 0.93 Mbit/s  
95th percentile per-packet one-way delay: 43.224 ms  
Loss rate: 8.04%

Run 2: Report of Sprout — Data Link



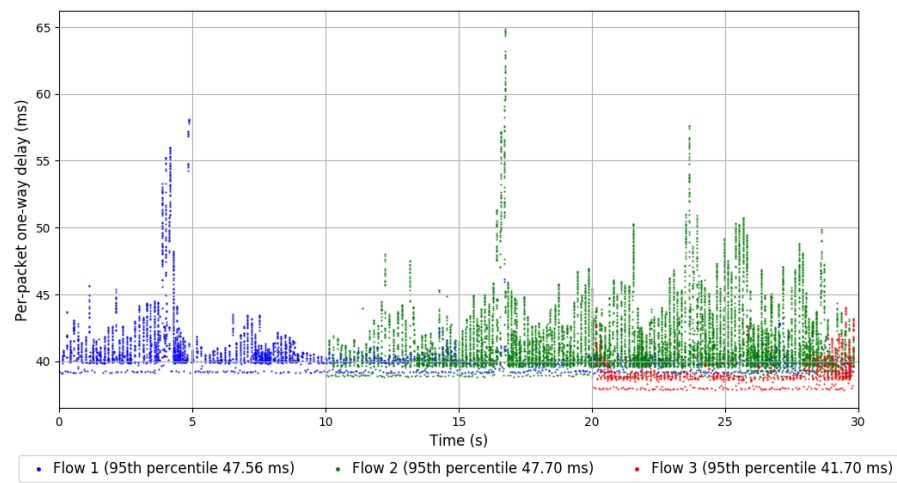
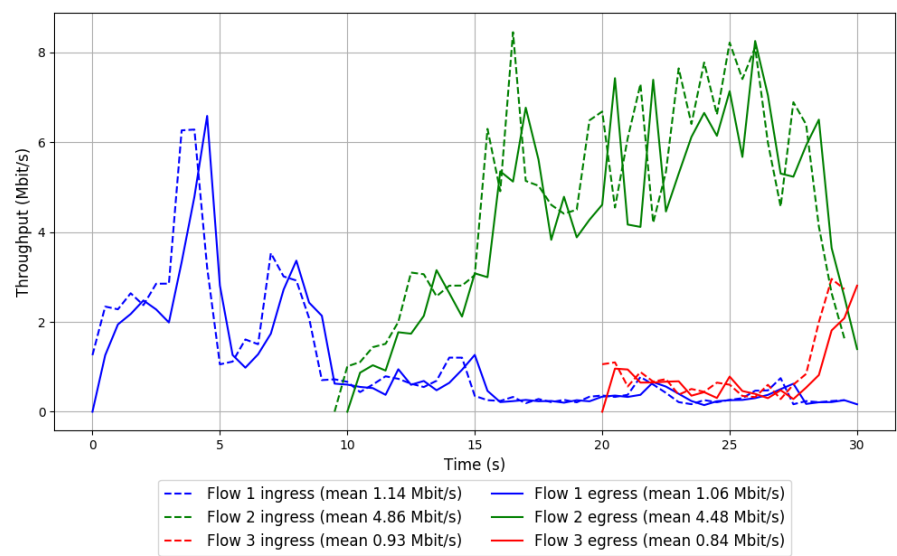
### Run 3: Statistics of Sprout

Start at: 2018-06-30 15:46:19  
End at: 2018-06-30 15:46:49  
Local clock offset: 5.696 ms  
Remote clock offset: -10.356 ms

```
# Below is generated by plot.py at 2018-06-30 19:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 47.413 ms
Loss rate: 8.01%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 47.557 ms
Loss rate: 7.01%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 47.700 ms
Loss rate: 8.16%
-- Flow 3:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 41.695 ms
Loss rate: 10.17%
```



Run 3: Report of Sprout — Data Link

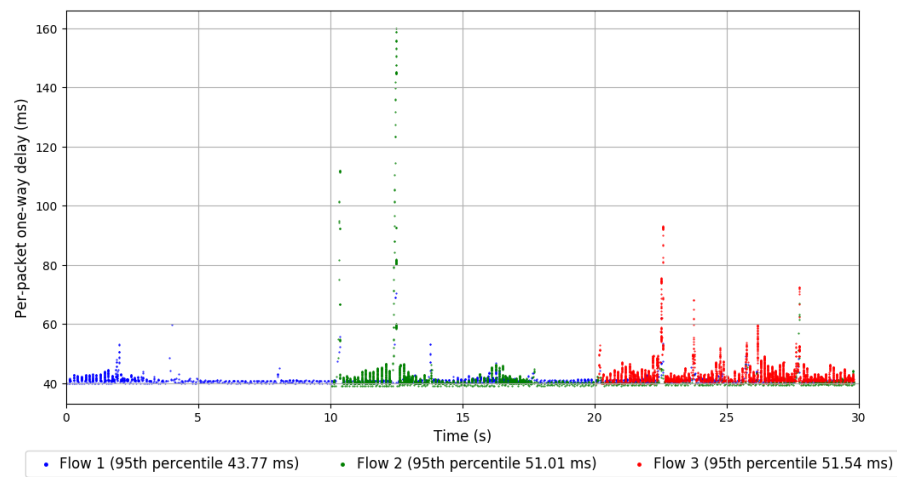
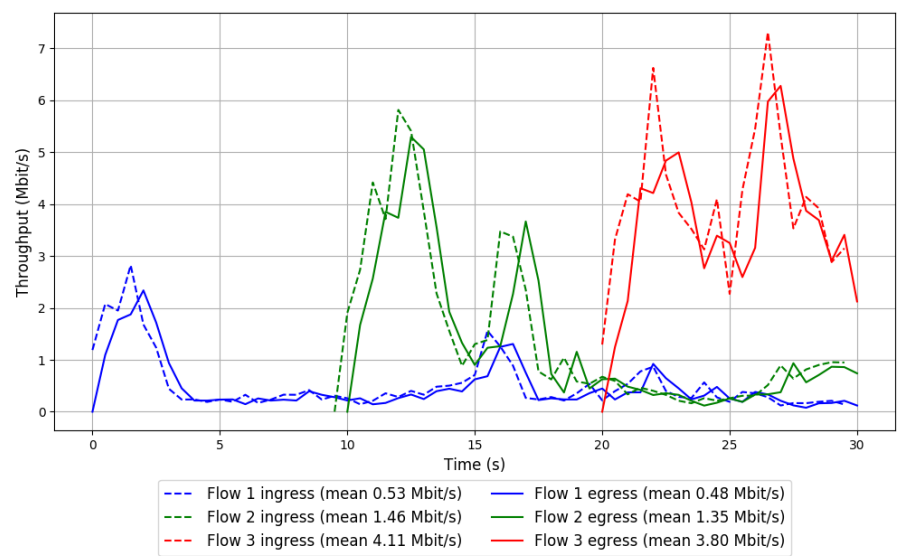


#### Run 4: Statistics of Sprout

Start at: 2018-06-30 16:20:11  
End at: 2018-06-30 16:20:41  
Local clock offset: 2.319 ms  
Remote clock offset: -9.865 ms

```
# Below is generated by plot.py at 2018-06-30 19:55:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 49.232 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 43.774 ms
Loss rate: 8.91%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 8.30%
-- Flow 3:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 51.542 ms
Loss rate: 8.42%
```

Run 4: Report of Sprout — Data Link

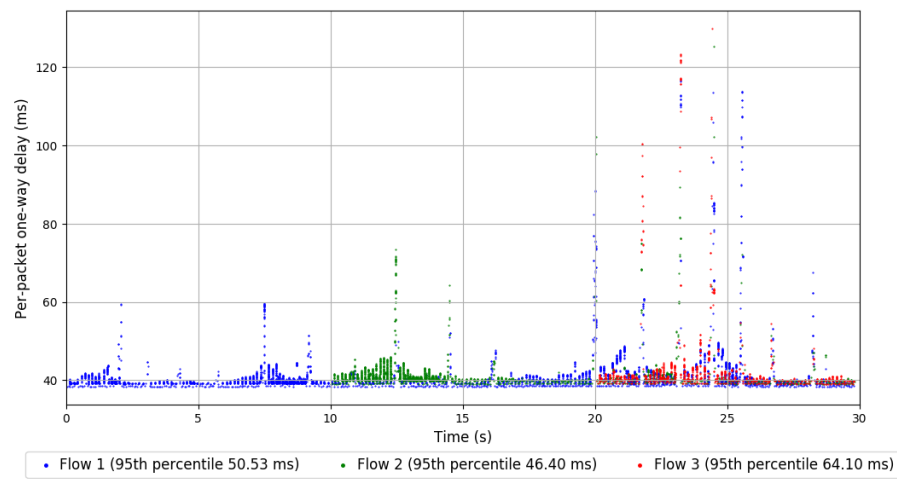
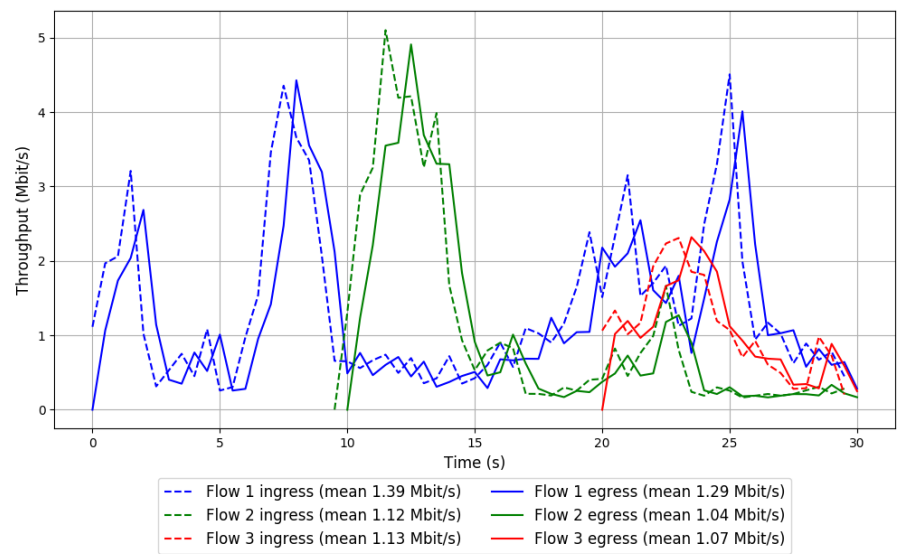


Run 5: Statistics of Sprout

Start at: 2018-06-30 16:52:42  
End at: 2018-06-30 16:53:12  
Local clock offset: -6.889 ms  
Remote clock offset: -10.609 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 50.967 ms  
Loss rate: 7.39%  
-- Flow 1:  
Average throughput: 1.29 Mbit/s  
95th percentile per-packet one-way delay: 50.534 ms  
Loss rate: 7.61%  
-- Flow 2:  
Average throughput: 1.04 Mbit/s  
95th percentile per-packet one-way delay: 46.402 ms  
Loss rate: 7.59%  
-- Flow 3:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 64.101 ms  
Loss rate: 6.18%

Run 5: Report of Sprout — Data Link

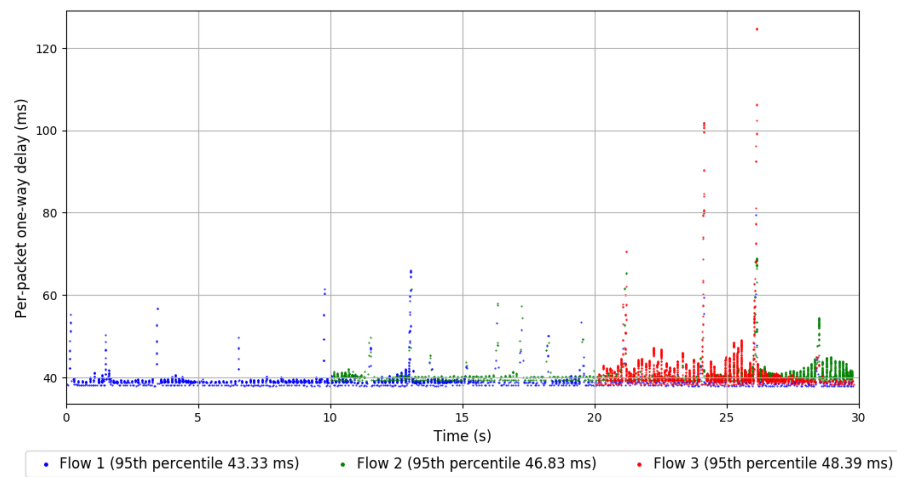
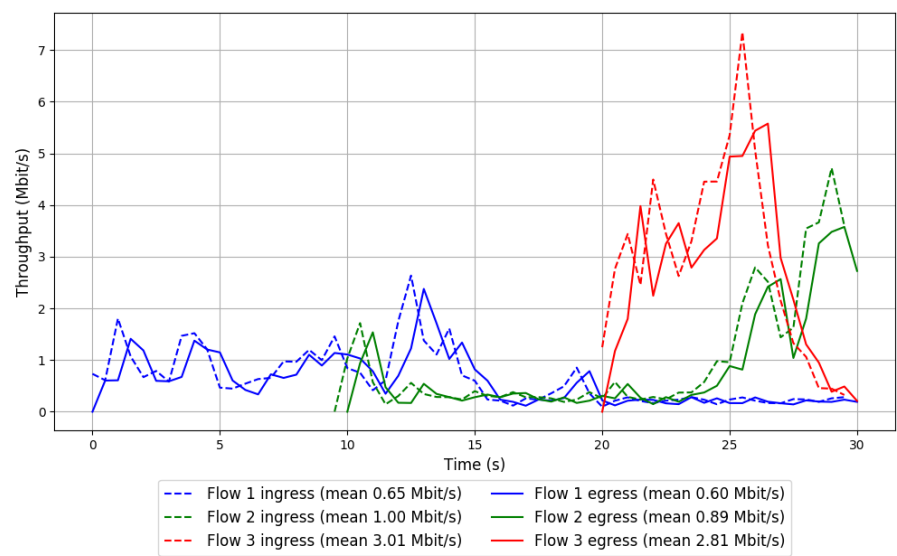


Run 6: Statistics of Sprout

Start at: 2018-06-30 17:25:46  
End at: 2018-06-30 17:26:16  
Local clock offset: -2.302 ms  
Remote clock offset: -8.549 ms

# Below is generated by plot.py at 2018-06-30 19:55:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 47.125 ms  
Loss rate: 8.77%  
-- Flow 1:  
Average throughput: 0.60 Mbit/s  
95th percentile per-packet one-way delay: 43.334 ms  
Loss rate: 7.33%  
-- Flow 2:  
Average throughput: 0.89 Mbit/s  
95th percentile per-packet one-way delay: 46.827 ms  
Loss rate: 11.54%  
-- Flow 3:  
Average throughput: 2.81 Mbit/s  
95th percentile per-packet one-way delay: 48.394 ms  
Loss rate: 7.85%

Run 6: Report of Sprout — Data Link



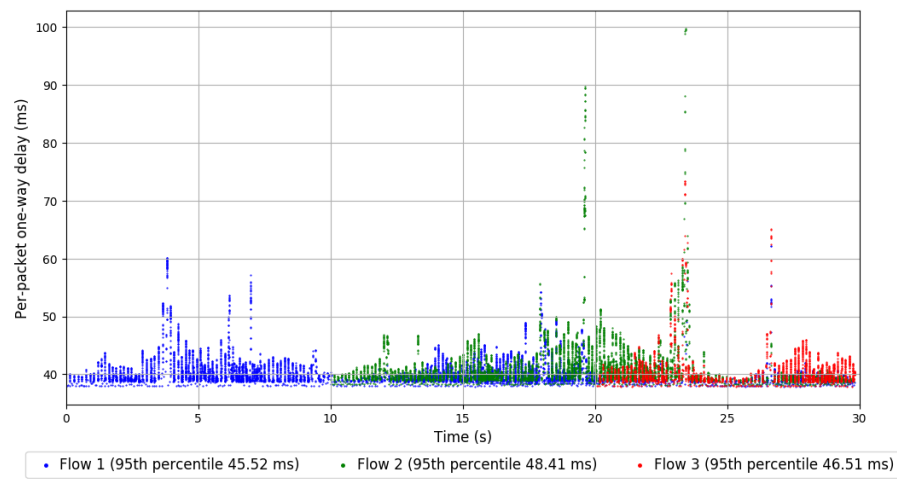
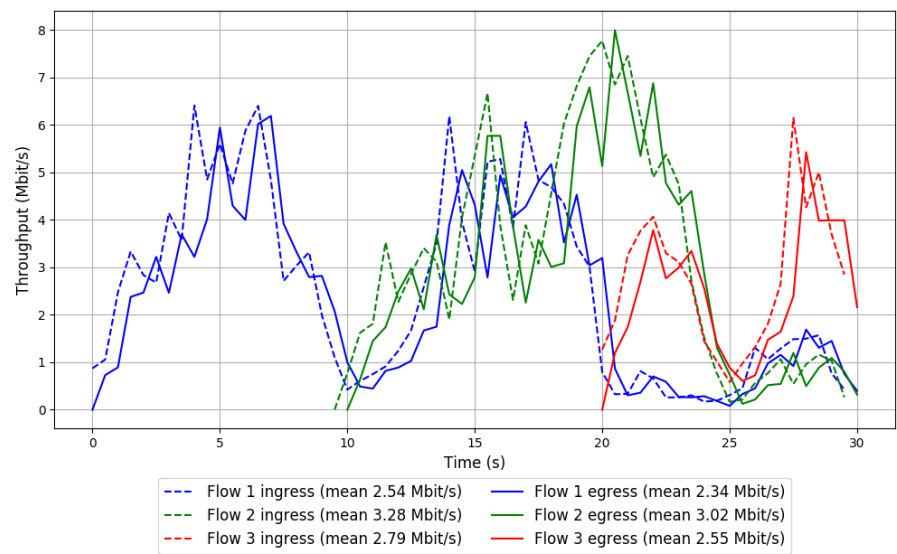
Run 7: Statistics of Sprout

Start at: 2018-06-30 17:59:21  
End at: 2018-06-30 17:59:51  
Local clock offset: 4.664 ms  
Remote clock offset: -7.748 ms

# Below is generated by plot.py at 2018-06-30 19:55:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 5.18 Mbit/s  
95th percentile per-packet one-way delay: 47.096 ms  
Loss rate: 8.41%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 45.515 ms  
Loss rate: 8.03%  
-- Flow 2:  
Average throughput: 3.02 Mbit/s  
95th percentile per-packet one-way delay: 48.408 ms  
Loss rate: 8.33%  
-- Flow 3:  
Average throughput: 2.55 Mbit/s  
95th percentile per-packet one-way delay: 46.512 ms  
Loss rate: 9.65%



Run 7: Report of Sprout — Data Link

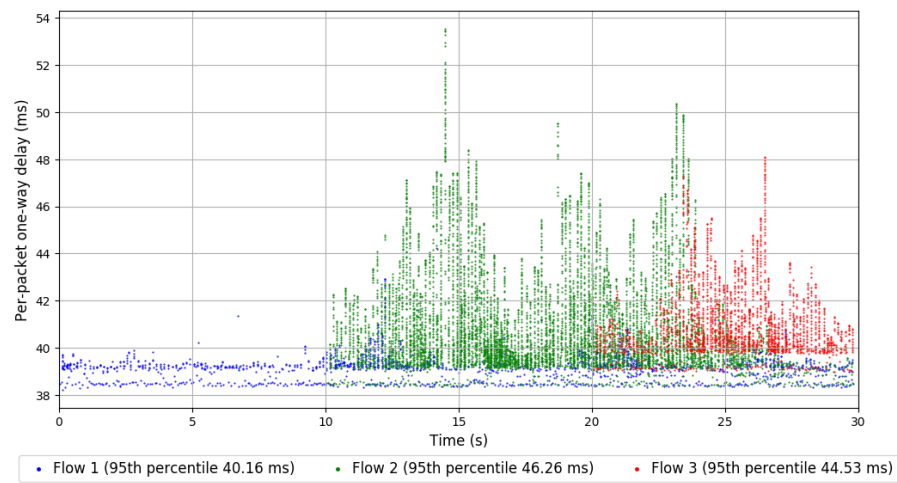
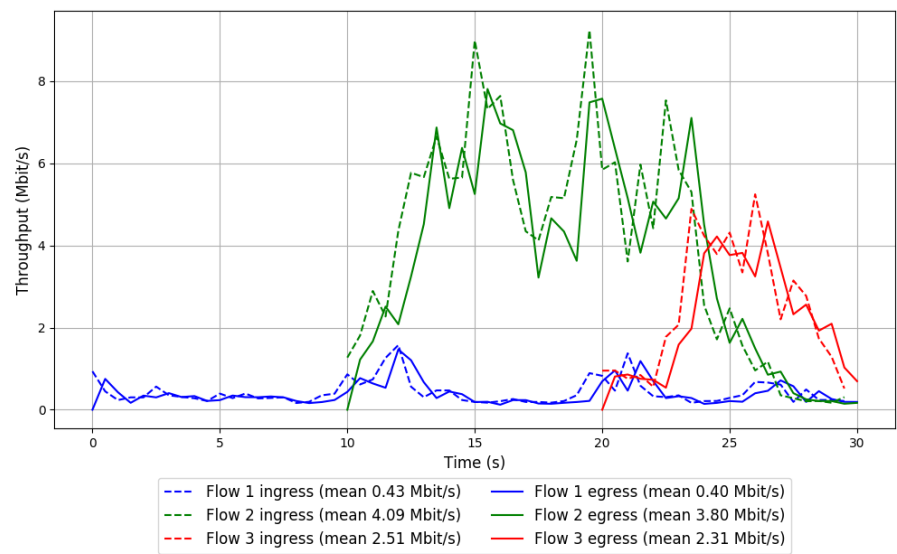


Run 8: Statistics of Sprout

Start at: 2018-06-30 18:34:24  
End at: 2018-06-30 18:34:54  
Local clock offset: 5.191 ms  
Remote clock offset: -8.756 ms

# Below is generated by plot.py at 2018-06-30 19:55:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.67 Mbit/s  
95th percentile per-packet one-way delay: 45.693 ms  
Loss rate: 8.08%  
-- Flow 1:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 40.156 ms  
Loss rate: 8.23%  
-- Flow 2:  
Average throughput: 3.80 Mbit/s  
95th percentile per-packet one-way delay: 46.261 ms  
Loss rate: 7.78%  
-- Flow 3:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 44.535 ms  
Loss rate: 8.99%

Run 8: Report of Sprout — Data Link

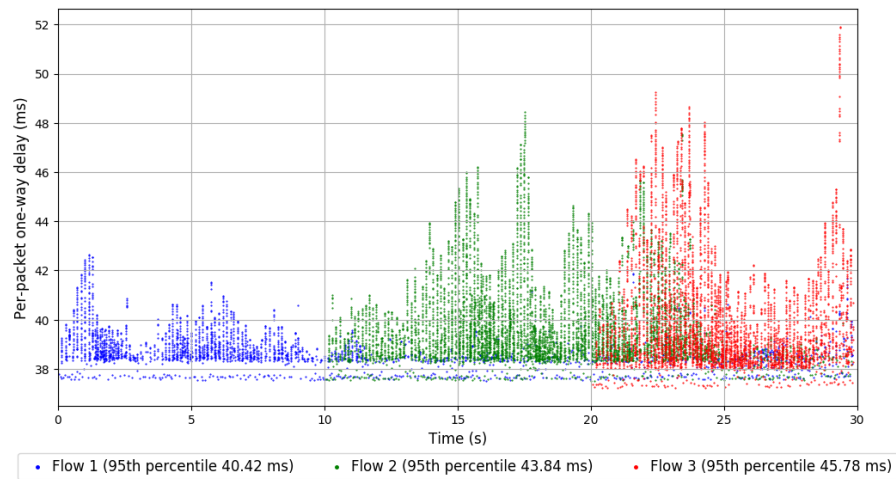
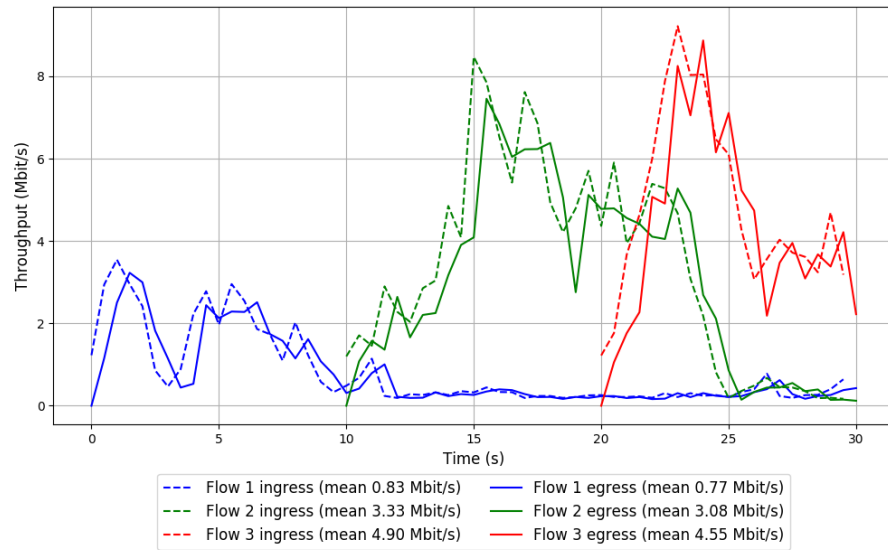


Run 9: Statistics of Sprout

Start at: 2018-06-30 19:07:34  
End at: 2018-06-30 19:08:04  
Local clock offset: 1.304 ms  
Remote clock offset: -8.612 ms

# Below is generated by plot.py at 2018-06-30 19:55:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.30 Mbit/s  
95th percentile per-packet one-way delay: 44.262 ms  
Loss rate: 8.11%  
-- Flow 1:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 40.416 ms  
Loss rate: 7.83%  
-- Flow 2:  
Average throughput: 3.08 Mbit/s  
95th percentile per-packet one-way delay: 43.840 ms  
Loss rate: 8.27%  
-- Flow 3:  
Average throughput: 4.55 Mbit/s  
95th percentile per-packet one-way delay: 45.781 ms  
Loss rate: 8.04%

## Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-30 19:43:28

End at: 2018-06-30 19:43:58

Local clock offset: 4.761 ms

Remote clock offset: -8.63 ms

# Below is generated by plot.py at 2018-06-30 19:55:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 45.363 ms

Loss rate: 7.58%

-- Flow 1:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 45.767 ms

Loss rate: 7.62%

-- Flow 2:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 44.802 ms

Loss rate: 7.43%

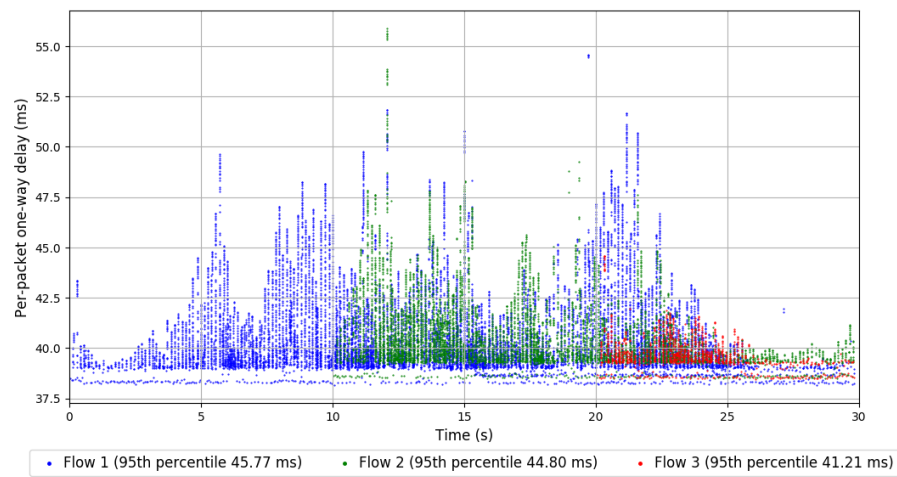
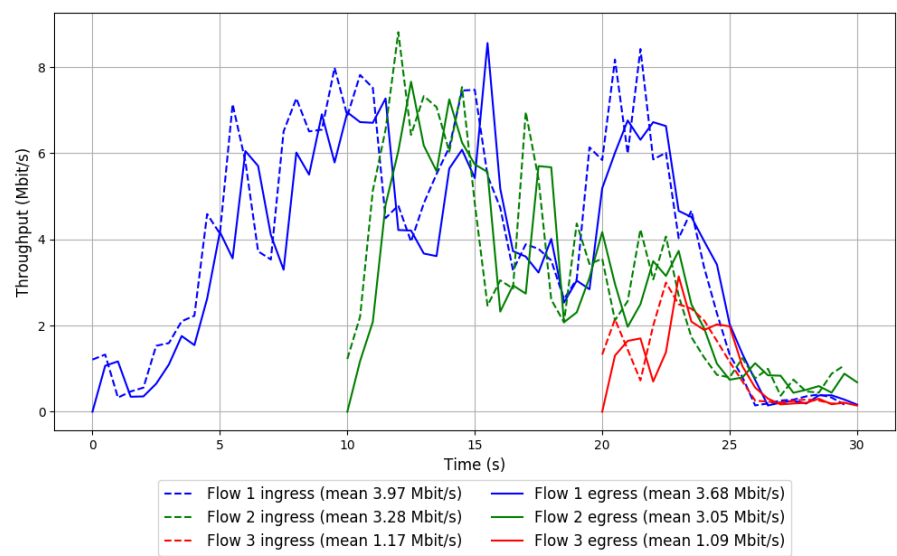
-- Flow 3:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 41.213 ms

Loss rate: 8.06%

Run 10: Report of Sprout — Data Link



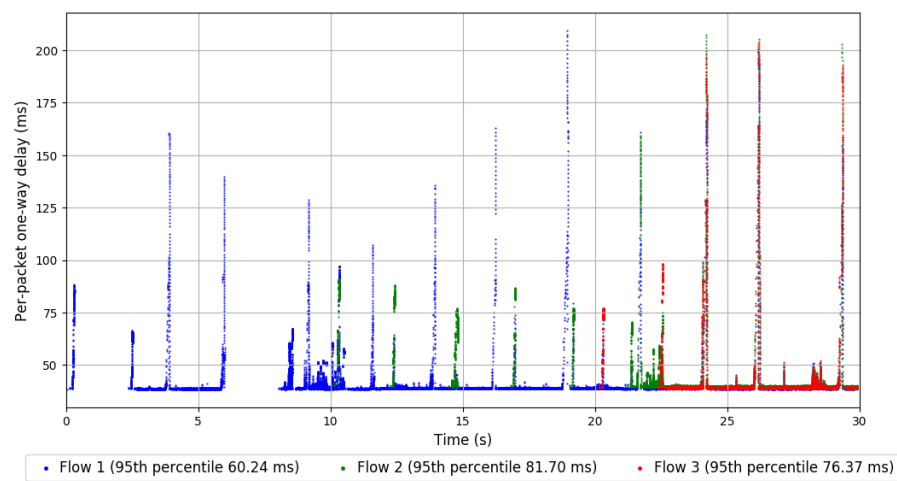
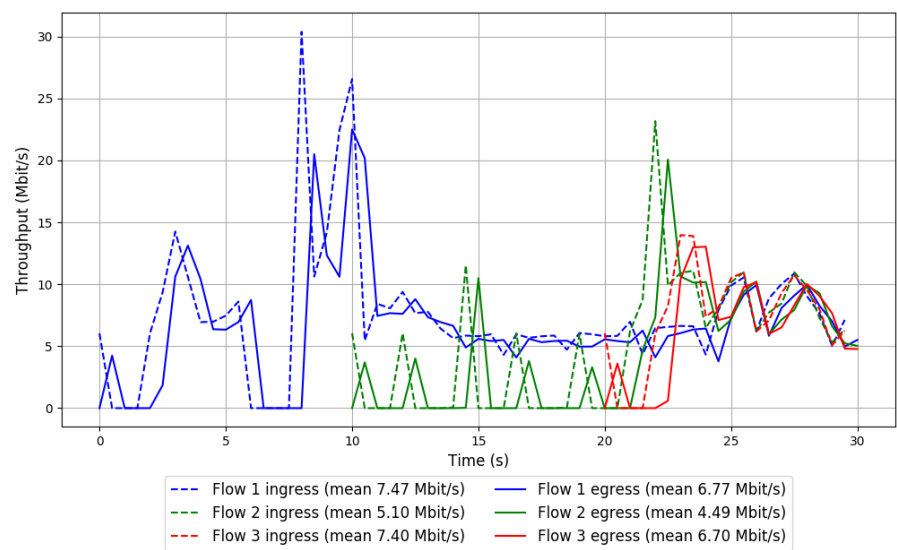
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 14:35:41
End at: 2018-06-30 14:36:11
Local clock offset: -0.907 ms
Remote clock offset: -10.489 ms

# Below is generated by plot.py at 2018-06-30 19:56:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 72.645 ms
Loss rate: 10.47%
-- Flow 1:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 60.244 ms
Loss rate: 9.69%
-- Flow 2:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 81.700 ms
Loss rate: 12.34%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 76.371 ms
Loss rate: 10.29%
```



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

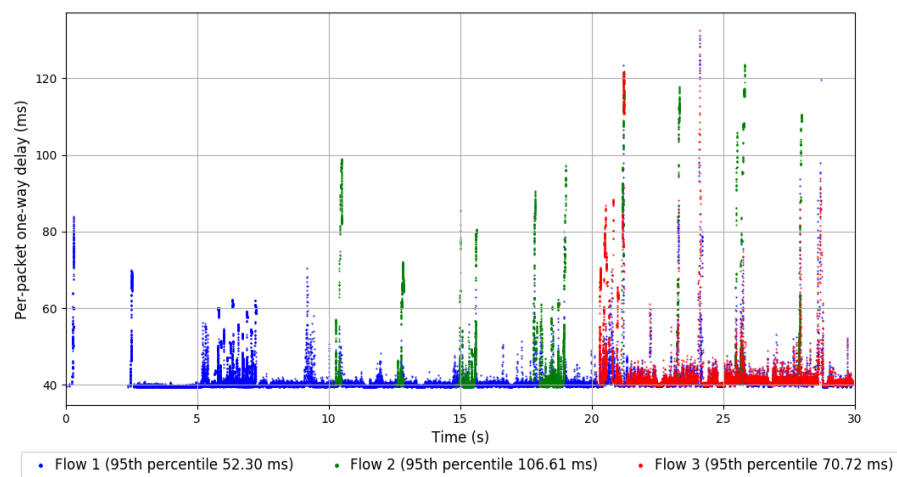
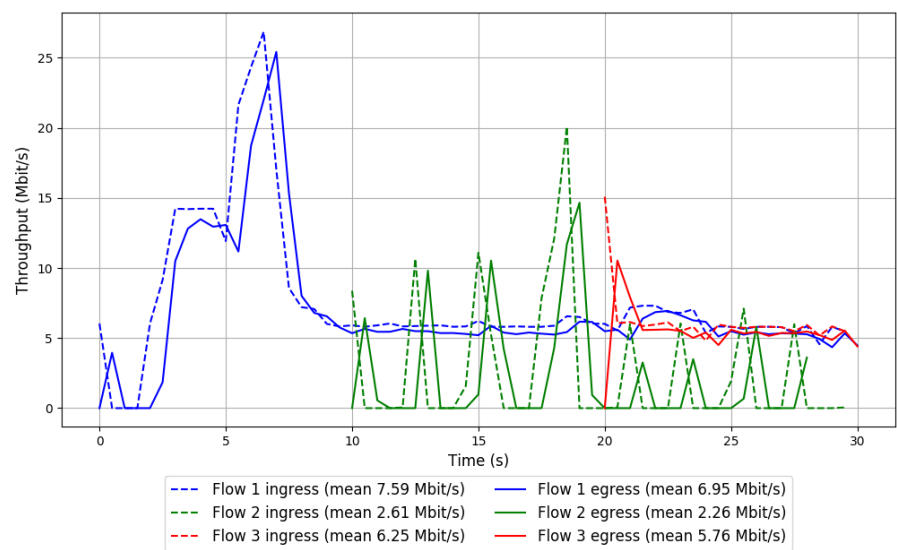


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 15:09:33  
End at: 2018-06-30 15:10:03  
Local clock offset: 4.492 ms  
Remote clock offset: -11.323 ms

# Below is generated by plot.py at 2018-06-30 19:56:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 10.20 Mbit/s  
95th percentile per-packet one-way delay: 66.425 ms  
Loss rate: 10.78%  
-- Flow 1:  
Average throughput: 6.95 Mbit/s  
95th percentile per-packet one-way delay: 52.298 ms  
Loss rate: 8.71%  
-- Flow 2:  
Average throughput: 2.26 Mbit/s  
95th percentile per-packet one-way delay: 106.605 ms  
Loss rate: 22.29%  
-- Flow 3:  
Average throughput: 5.76 Mbit/s  
95th percentile per-packet one-way delay: 70.718 ms  
Loss rate: 8.69%

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

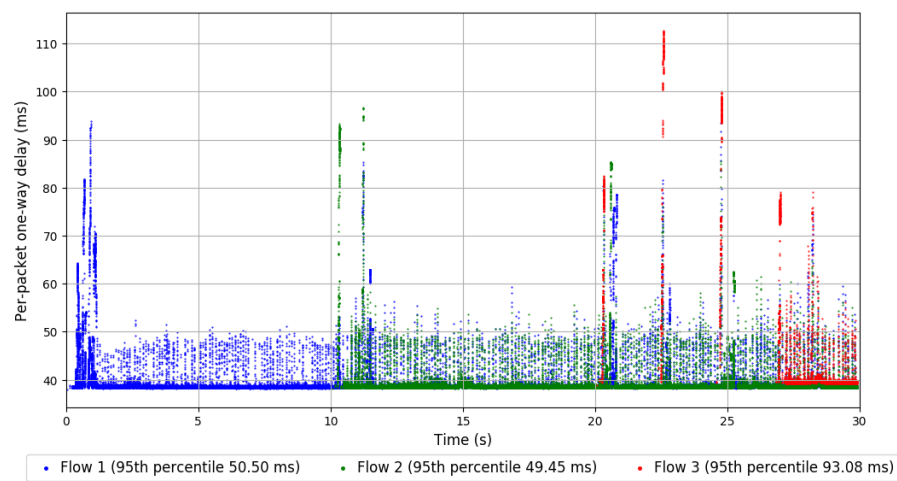
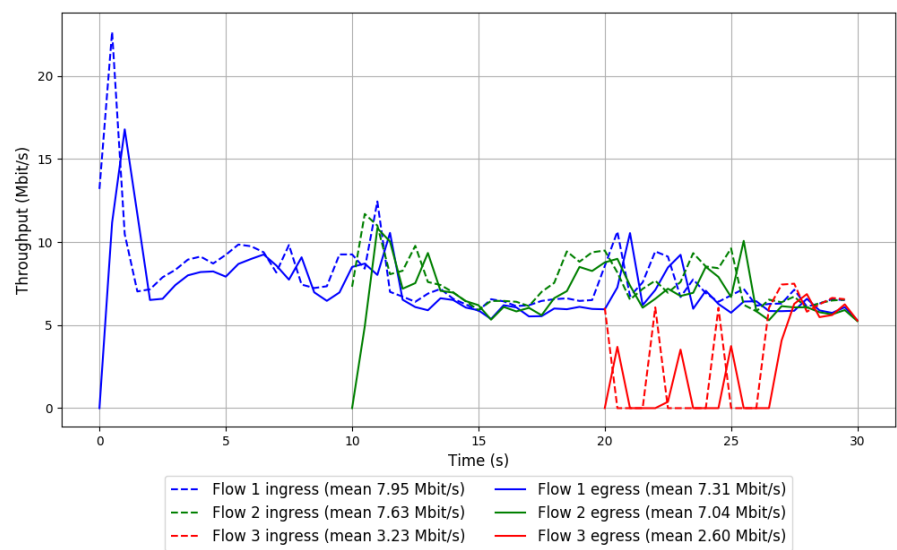


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 15:44:16  
End at: 2018-06-30 15:44:46  
Local clock offset: 5.657 ms  
Remote clock offset: -9.961 ms

# Below is generated by plot.py at 2018-06-30 19:56:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 12.85 Mbit/s  
95th percentile per-packet one-way delay: 54.045 ms  
Loss rate: 9.24%  
-- Flow 1:  
Average throughput: 7.31 Mbit/s  
95th percentile per-packet one-way delay: 50.498 ms  
Loss rate: 8.37%  
-- Flow 2:  
Average throughput: 7.04 Mbit/s  
95th percentile per-packet one-way delay: 49.450 ms  
Loss rate: 8.21%  
-- Flow 3:  
Average throughput: 2.60 Mbit/s  
95th percentile per-packet one-way delay: 93.079 ms  
Loss rate: 20.52%

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

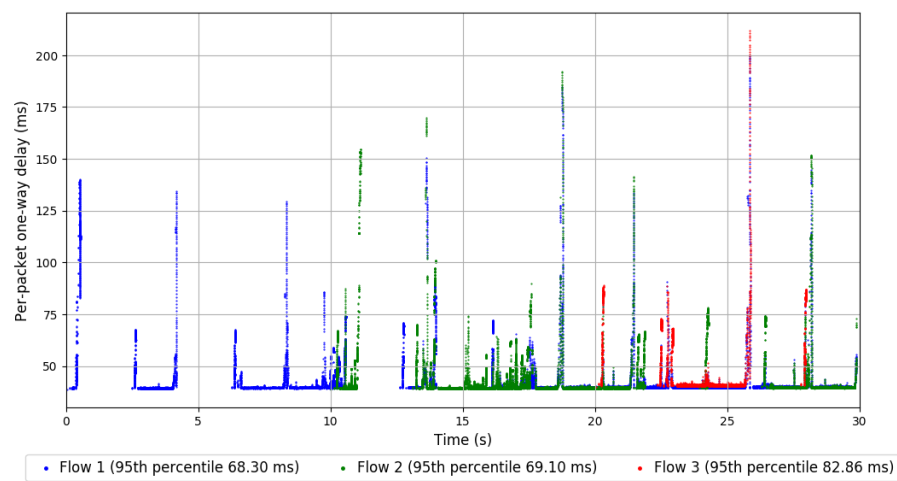
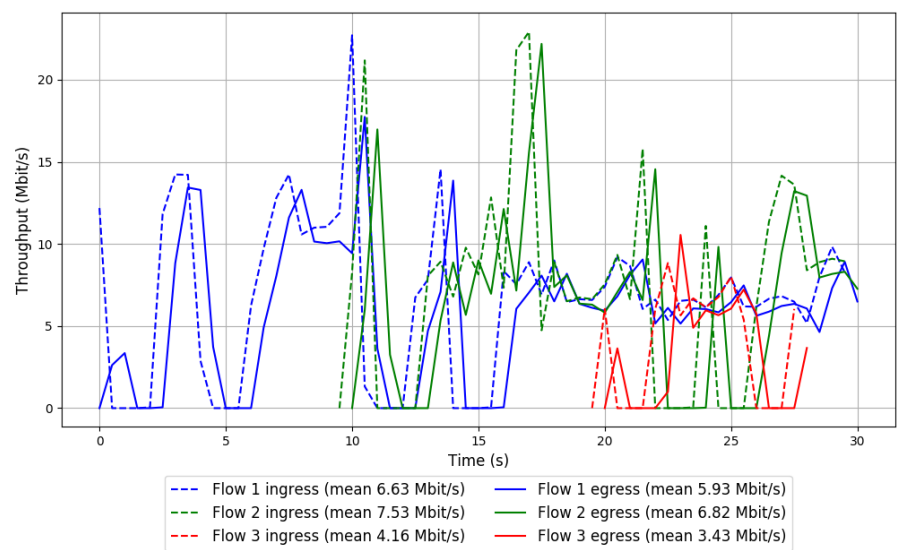


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 16:18:10  
End at: 2018-06-30 16:18:40  
Local clock offset: 4.289 ms  
Remote clock offset: -9.499 ms

# Below is generated by plot.py at 2018-06-30 19:56:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 11.38 Mbit/s  
95th percentile per-packet one-way delay: 70.230 ms  
Loss rate: 11.02%  
-- Flow 1:  
Average throughput: 5.93 Mbit/s  
95th percentile per-packet one-way delay: 68.304 ms  
Loss rate: 10.93%  
-- Flow 2:  
Average throughput: 6.82 Mbit/s  
95th percentile per-packet one-way delay: 69.100 ms  
Loss rate: 9.82%  
-- Flow 3:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 82.862 ms  
Loss rate: 17.08%

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



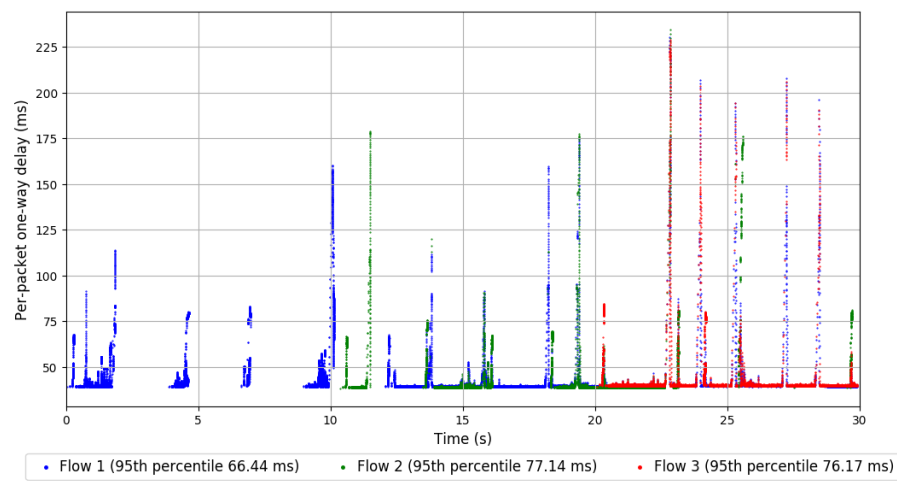
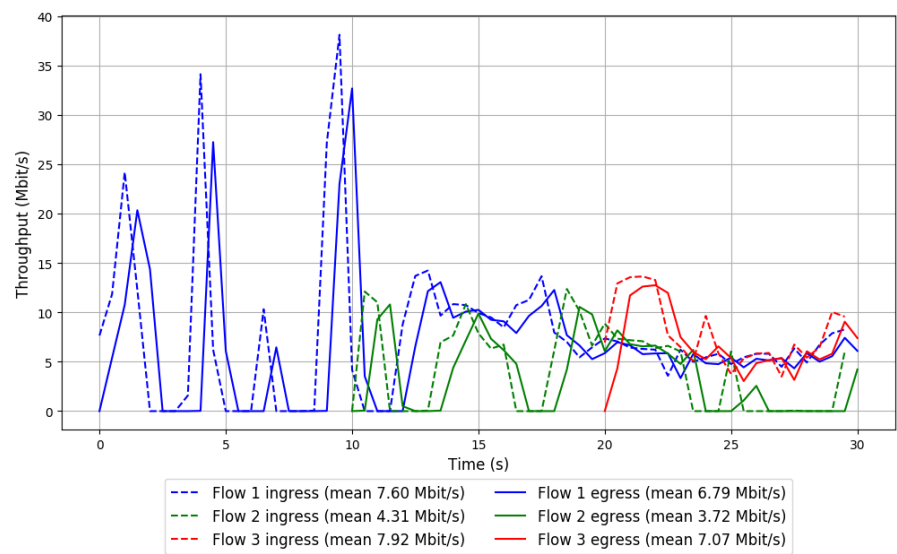
Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 16:50:38  
End at: 2018-06-30 16:51:08  
Local clock offset: -6.846 ms  
Remote clock offset: -10.582 ms

# Below is generated by plot.py at 2018-06-30 19:56:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 11.52 Mbit/s  
95th percentile per-packet one-way delay: 72.942 ms  
Loss rate: 11.74%  
-- Flow 1:  
Average throughput: 6.79 Mbit/s  
95th percentile per-packet one-way delay: 66.438 ms  
Loss rate: 11.07%  
-- Flow 2:  
Average throughput: 3.72 Mbit/s  
95th percentile per-packet one-way delay: 77.142 ms  
Loss rate: 13.64%  
-- Flow 3:  
Average throughput: 7.07 Mbit/s  
95th percentile per-packet one-way delay: 76.165 ms  
Loss rate: 11.65%



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

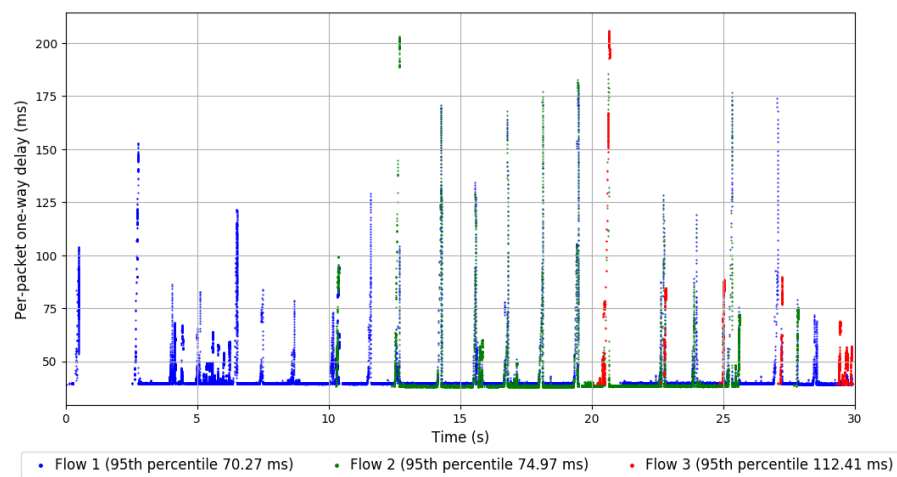
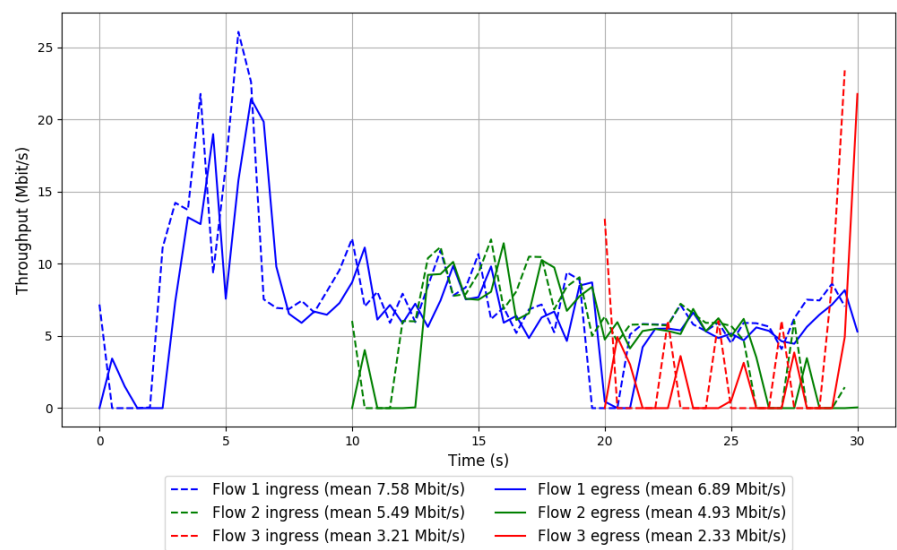


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 17:23:40  
End at: 2018-06-30 17:24:10  
Local clock offset: -3.381 ms  
Remote clock offset: -8.602 ms

# Below is generated by plot.py at 2018-06-30 19:56:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 10.93 Mbit/s  
95th percentile per-packet one-way delay: 78.797 ms  
Loss rate: 11.42%  
-- Flow 1:  
Average throughput: 6.89 Mbit/s  
95th percentile per-packet one-way delay: 70.266 ms  
Loss rate: 9.48%  
-- Flow 2:  
Average throughput: 4.93 Mbit/s  
95th percentile per-packet one-way delay: 74.975 ms  
Loss rate: 10.72%  
-- Flow 3:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 112.406 ms  
Loss rate: 27.78%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 17:57:19

End at: 2018-06-30 17:57:49

Local clock offset: 4.327 ms

Remote clock offset: -7.8 ms

# Below is generated by plot.py at 2018-06-30 19:56:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 68.299 ms

Loss rate: 13.10%

-- Flow 1:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 63.640 ms

Loss rate: 11.97%

-- Flow 2:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 73.035 ms

Loss rate: 13.97%

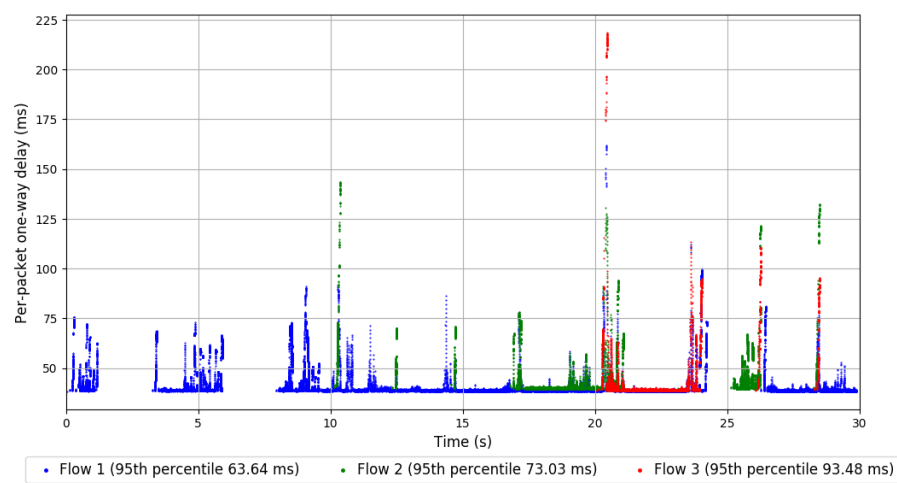
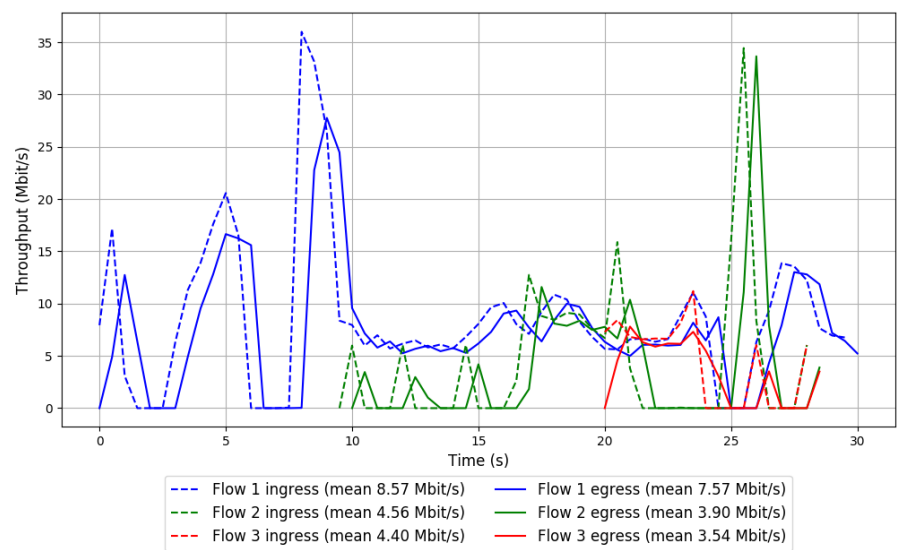
-- Flow 3:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 93.485 ms

Loss rate: 19.04%

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

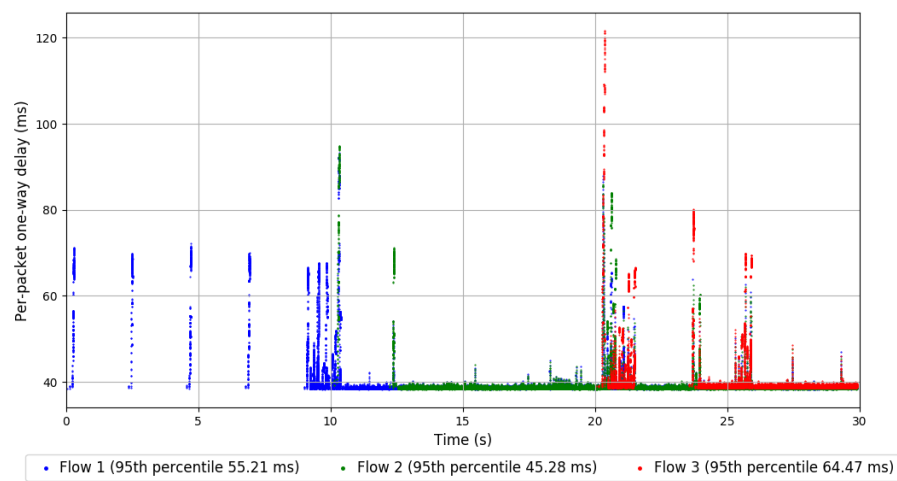
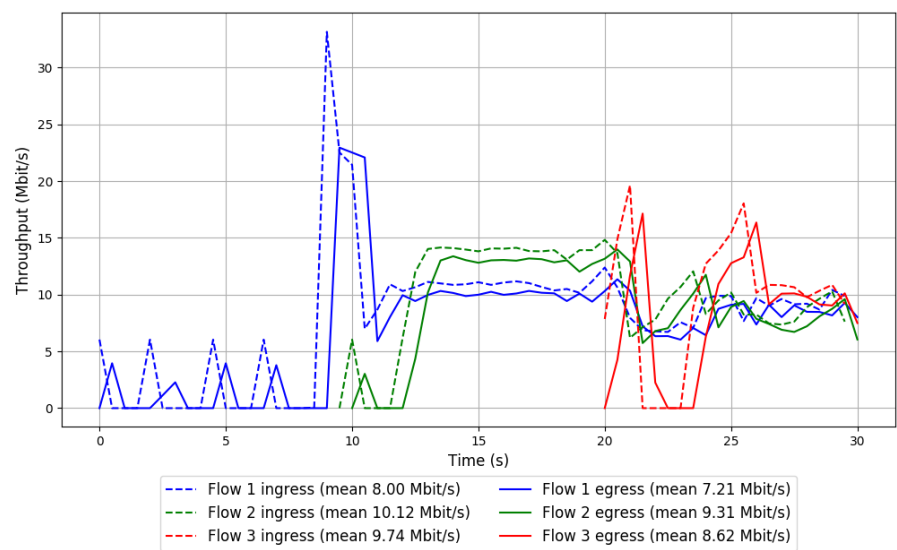


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 18:32:03  
End at: 2018-06-30 18:32:33  
Local clock offset: 5.043 ms  
Remote clock offset: -8.718 ms

# Below is generated by plot.py at 2018-06-30 19:56:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.25 Mbit/s  
95th percentile per-packet one-way delay: 53.300 ms  
Loss rate: 9.97%  
-- Flow 1:  
Average throughput: 7.21 Mbit/s  
95th percentile per-packet one-way delay: 55.209 ms  
Loss rate: 10.23%  
-- Flow 2:  
Average throughput: 9.31 Mbit/s  
95th percentile per-packet one-way delay: 45.276 ms  
Loss rate: 8.51%  
-- Flow 3:  
Average throughput: 8.62 Mbit/s  
95th percentile per-packet one-way delay: 64.474 ms  
Loss rate: 12.38%

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



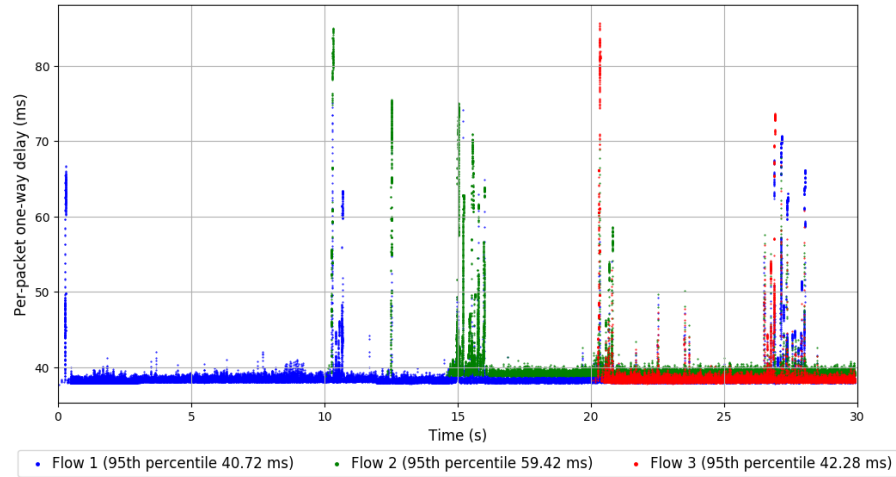
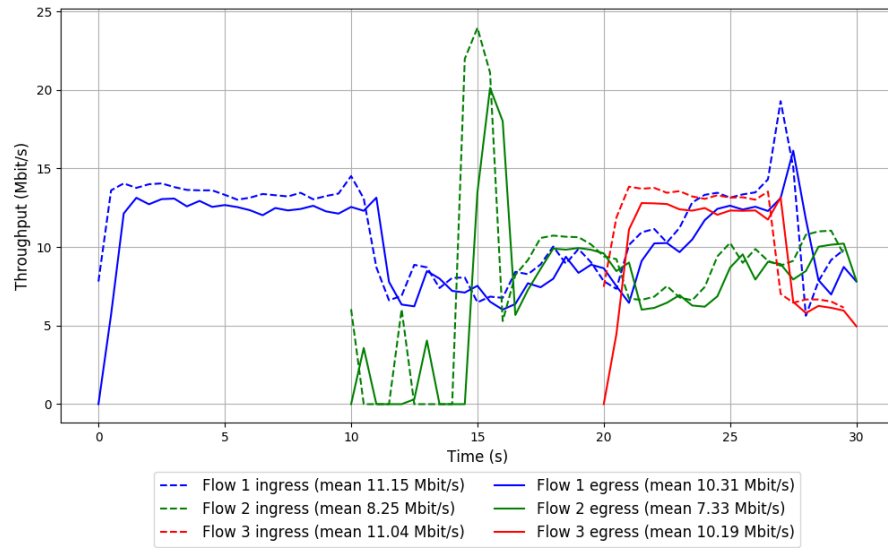
Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 19:04:59  
End at: 2018-06-30 19:05:29  
Local clock offset: 1.457 ms  
Remote clock offset: -8.615 ms

# Below is generated by plot.py at 2018-06-30 19:56:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.54 Mbit/s  
95th percentile per-packet one-way delay: 45.290 ms  
Loss rate: 9.03%  
-- Flow 1:  
Average throughput: 10.31 Mbit/s  
95th percentile per-packet one-way delay: 40.721 ms  
Loss rate: 7.88%  
-- Flow 2:  
Average throughput: 7.33 Mbit/s  
95th percentile per-packet one-way delay: 59.421 ms  
Loss rate: 11.64%  
-- Flow 3:  
Average throughput: 10.19 Mbit/s  
95th percentile per-packet one-way delay: 42.279 ms  
Loss rate: 8.65%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 19:40:47

End at: 2018-06-30 19:41:17

Local clock offset: 4.483 ms

Remote clock offset: -8.67 ms

# Below is generated by plot.py at 2018-06-30 19:56:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 52.260 ms

Loss rate: 10.05%

-- Flow 1:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 52.172 ms

Loss rate: 10.30%

-- Flow 2:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 49.570 ms

Loss rate: 9.29%

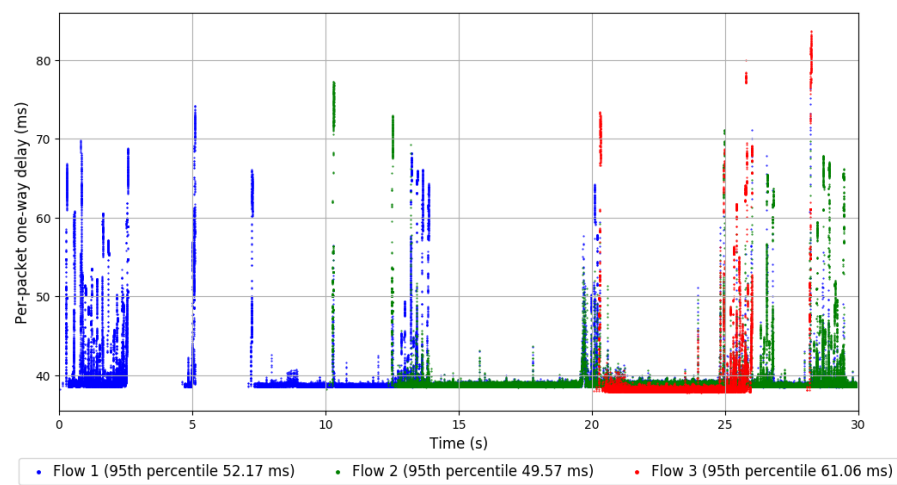
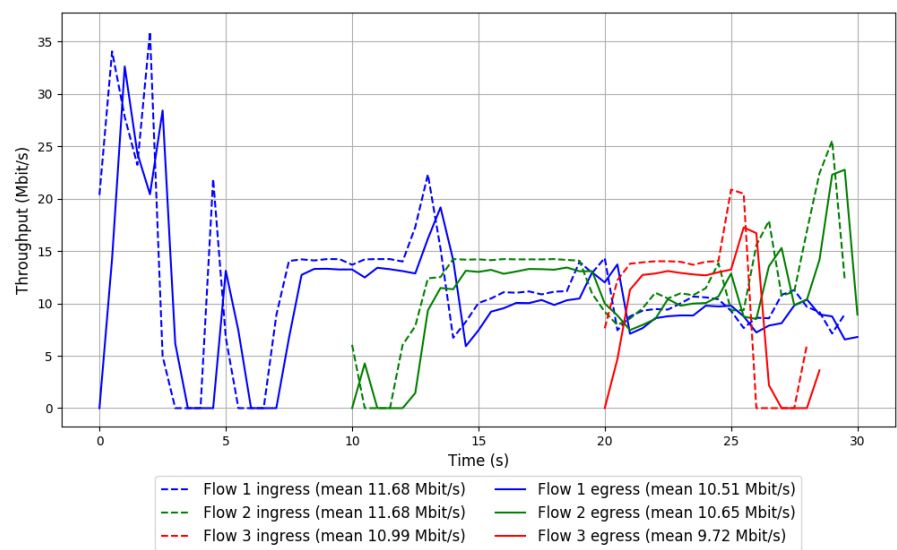
-- Flow 3:

Average throughput: 9.72 Mbit/s

95th percentile per-packet one-way delay: 61.064 ms

Loss rate: 11.03%

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

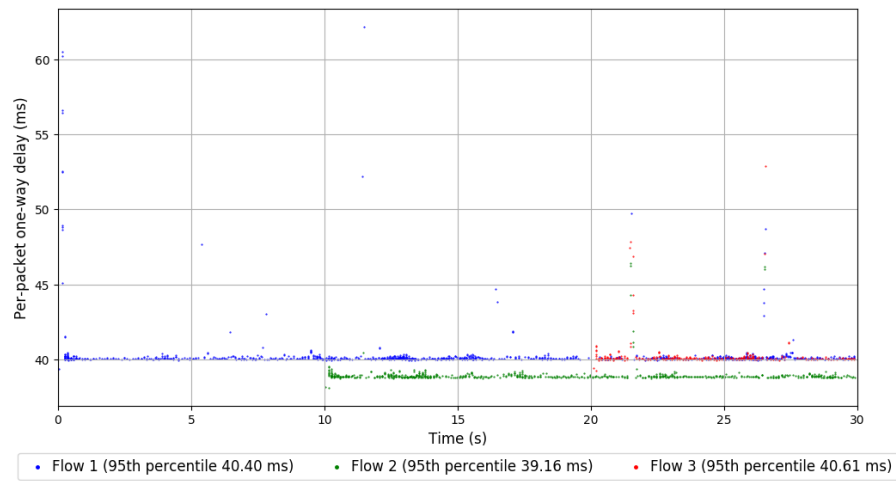
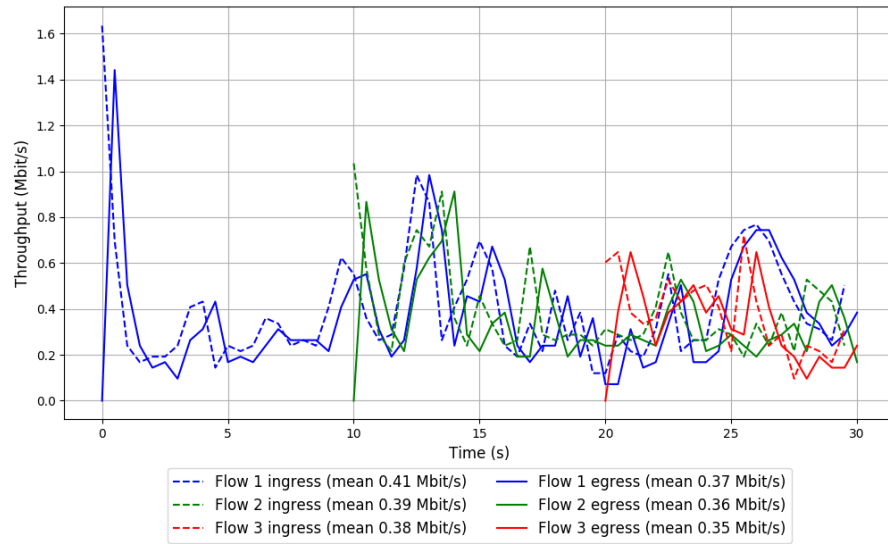


Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 14:30:07  
End at: 2018-06-30 14:30:37  
Local clock offset: -0.696 ms  
Remote clock offset: -10.288 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 40.331 ms  
Loss rate: 9.31%  
-- Flow 1:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 40.400 ms  
Loss rate: 9.18%  
-- Flow 2:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 39.155 ms  
Loss rate: 8.84%  
-- Flow 3:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 40.612 ms  
Loss rate: 10.72%

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

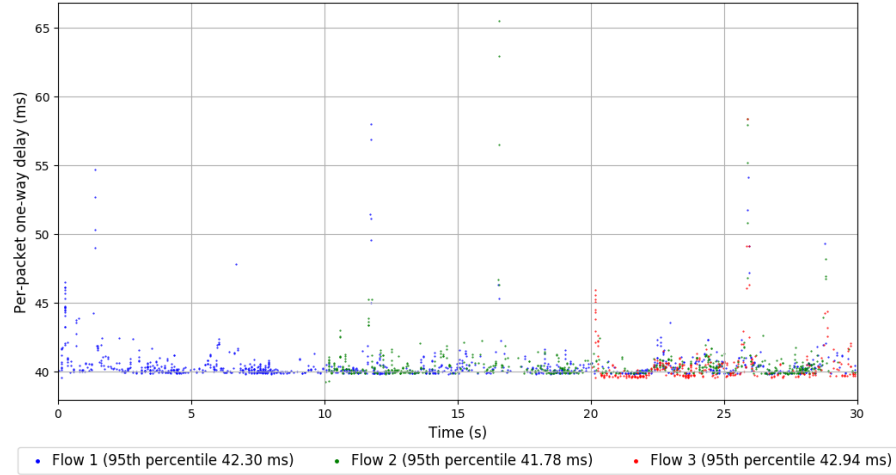
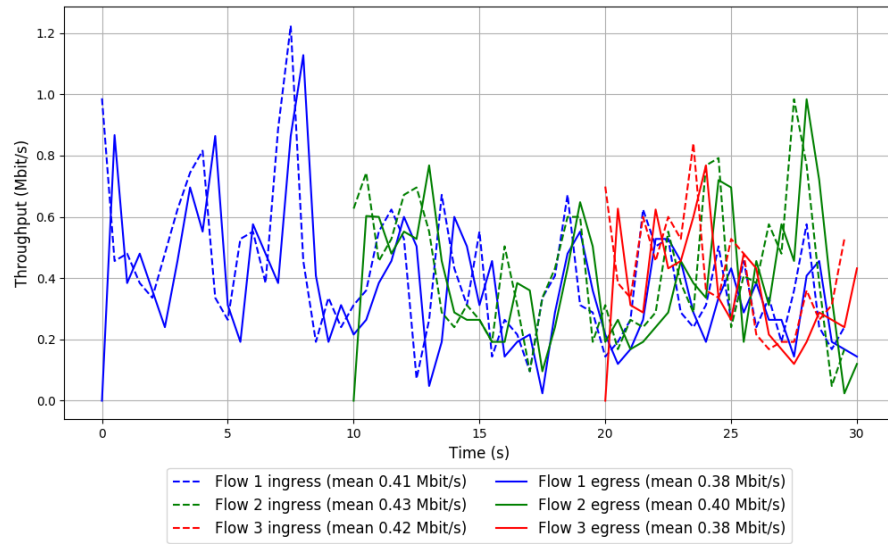


Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 15:04:00  
End at: 2018-06-30 15:04:30  
Local clock offset: 4.021 ms  
Remote clock offset: -11.161 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 42.175 ms  
Loss rate: 8.01%  
-- Flow 1:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 42.295 ms  
Loss rate: 8.13%  
-- Flow 2:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 41.778 ms  
Loss rate: 6.86%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 42.942 ms  
Loss rate: 10.03%

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



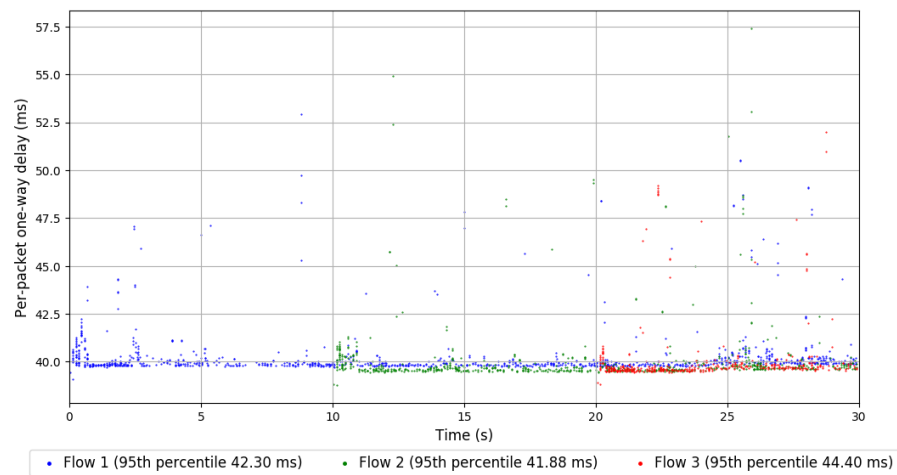
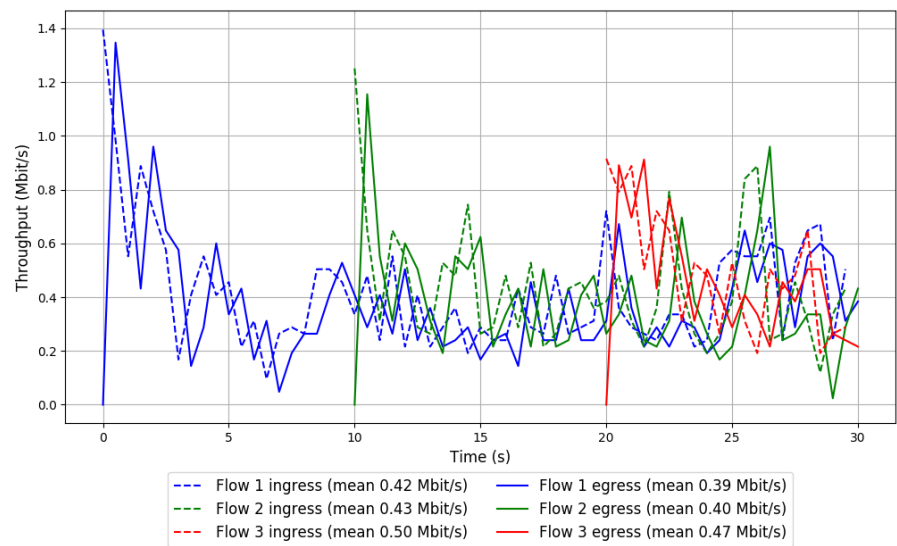
Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 15:38:34  
End at: 2018-06-30 15:39:04  
Local clock offset: 5.365 ms  
Remote clock offset: -10.377 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.81 Mbit/s  
95th percentile per-packet one-way delay: 42.238 ms  
Loss rate: 7.44%  
-- Flow 1:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 42.305 ms  
Loss rate: 7.54%  
-- Flow 2:  
Average throughput: 0.40 Mbit/s  
95th percentile per-packet one-way delay: 41.883 ms  
Loss rate: 8.07%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 44.397 ms  
Loss rate: 6.07%



Run 3: Report of TCP Vegas — Data Link

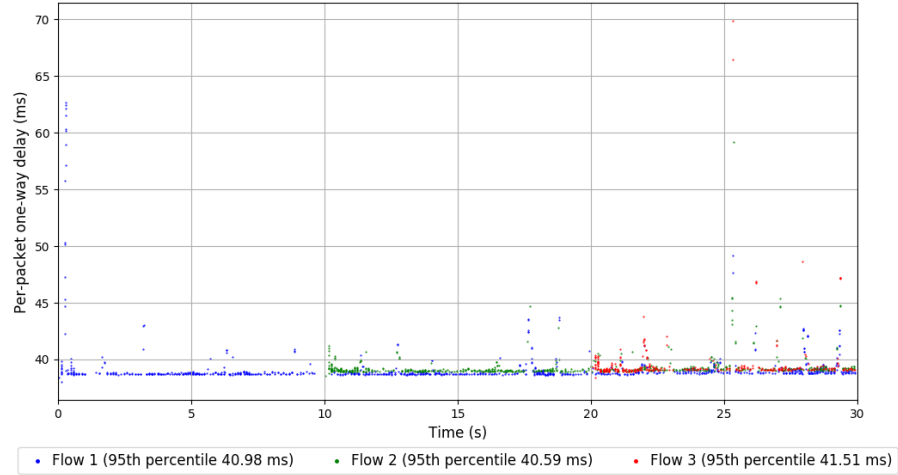
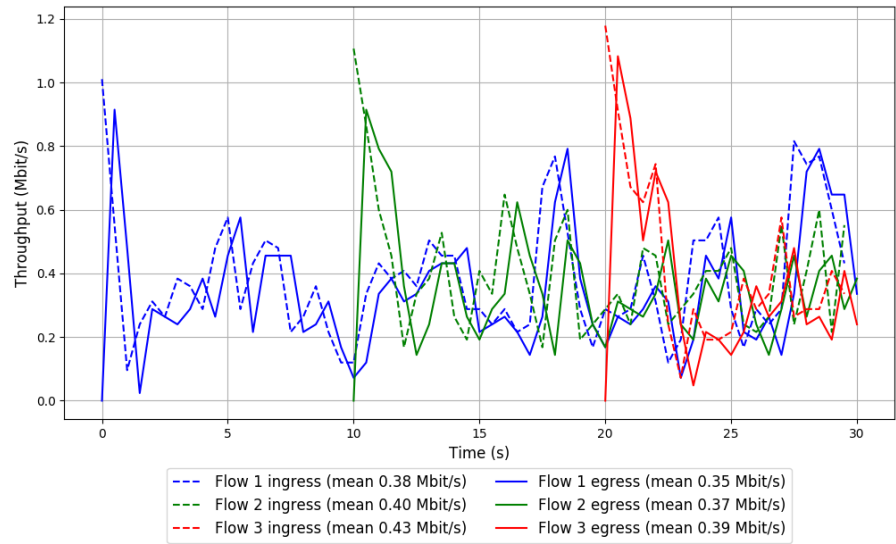


Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 16:12:37  
End at: 2018-06-30 16:13:07  
Local clock offset: 6.959 ms  
Remote clock offset: -9.916 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 40.981 ms  
Loss rate: 9.03%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 40.981 ms  
Loss rate: 8.76%  
-- Flow 2:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 40.589 ms  
Loss rate: 8.82%  
-- Flow 3:  
Average throughput: 0.39 Mbit/s  
95th percentile per-packet one-way delay: 41.510 ms  
Loss rate: 10.17%

# Run 4: Report of TCP Vegas — Data Link

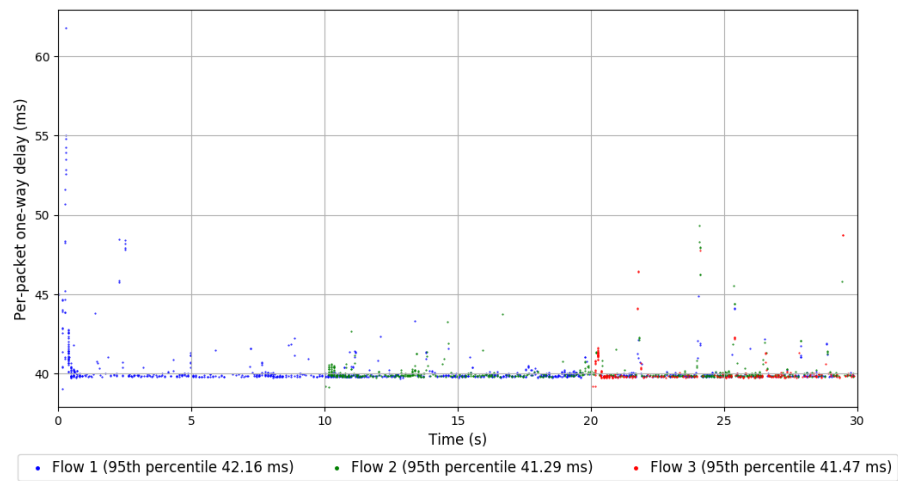
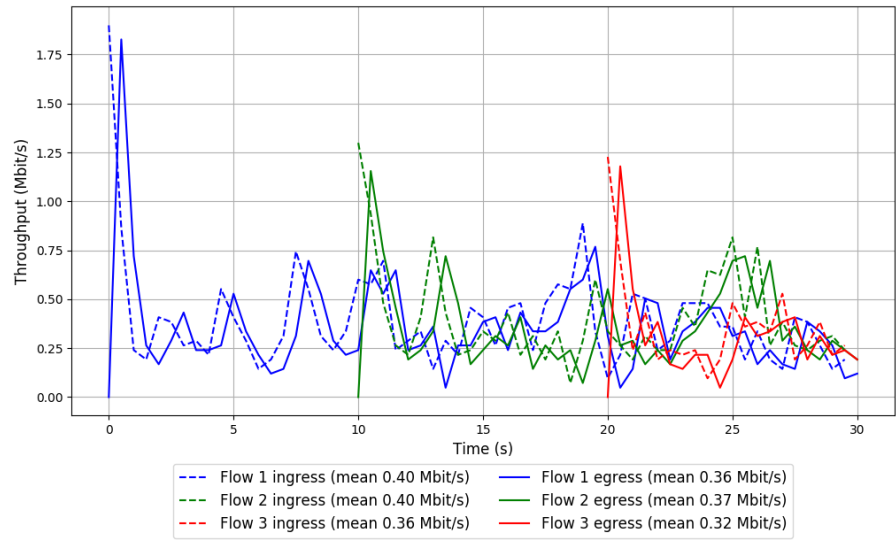


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 16:45:08  
End at: 2018-06-30 16:45:38  
Local clock offset: -6.303 ms  
Remote clock offset: -10.477 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.71 Mbit/s  
95th percentile per-packet one-way delay: 41.770 ms  
Loss rate: 9.17%  
-- Flow 1:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 42.165 ms  
Loss rate: 8.43%  
-- Flow 2:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 41.288 ms  
Loss rate: 9.28%  
-- Flow 3:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 41.467 ms  
Loss rate: 11.37%

# Run 5: Report of TCP Vegas — Data Link

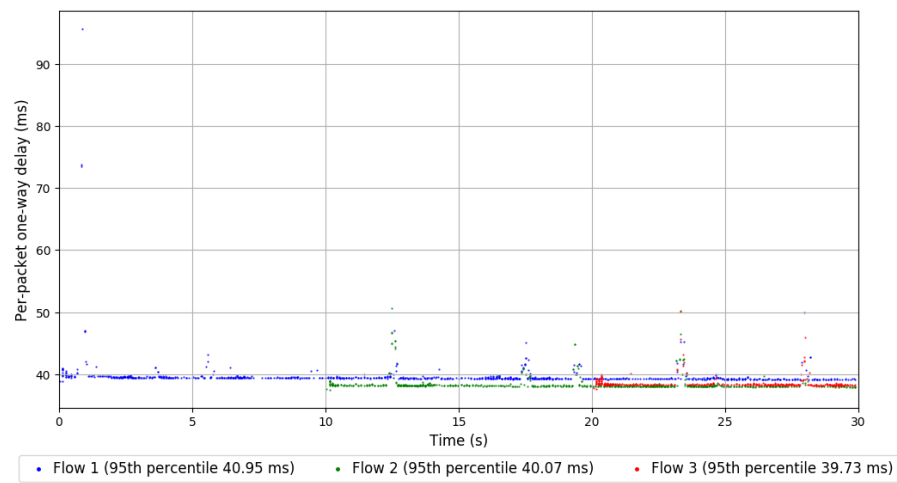
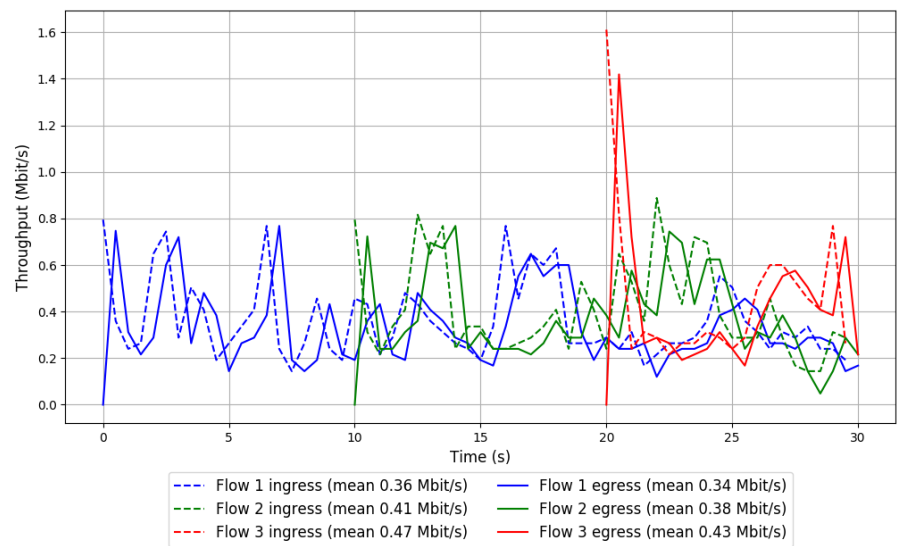


Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 17:18:06  
End at: 2018-06-30 17:18:36  
Local clock offset: -6.634 ms  
Remote clock offset: -8.796 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.73 Mbit/s  
95th percentile per-packet one-way delay: 40.555 ms  
Loss rate: 7.62%  
-- Flow 1:  
Average throughput: 0.34 Mbit/s  
95th percentile per-packet one-way delay: 40.950 ms  
Loss rate: 7.42%  
-- Flow 2:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 40.066 ms  
Loss rate: 7.35%  
-- Flow 3:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 39.730 ms  
Loss rate: 8.55%

Run 6: Report of TCP Vegas — Data Link



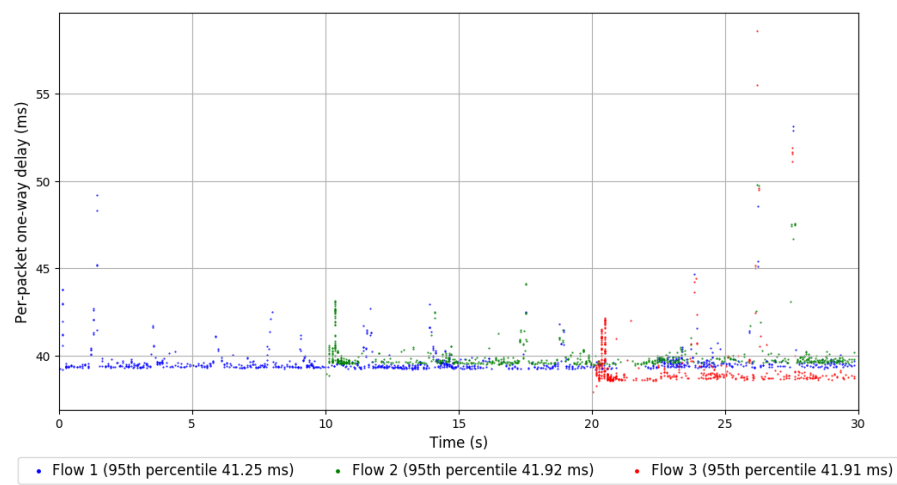
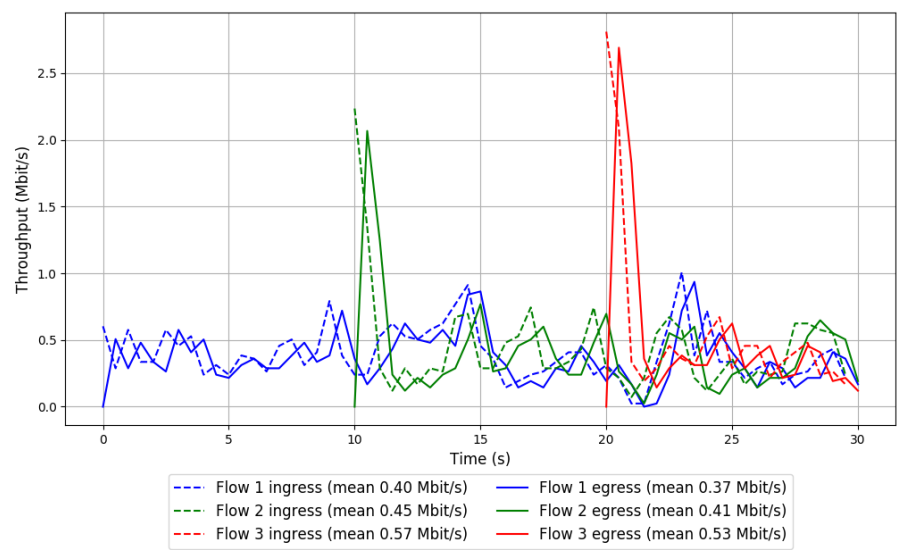
Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 17:51:38  
End at: 2018-06-30 17:52:08  
Local clock offset: 3.047 ms  
Remote clock offset: -7.568 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.82 Mbit/s  
95th percentile per-packet one-way delay: 41.494 ms  
Loss rate: 7.97%  
-- Flow 1:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 41.253 ms  
Loss rate: 7.56%  
-- Flow 2:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 41.916 ms  
Loss rate: 8.33%  
-- Flow 3:  
Average throughput: 0.53 Mbit/s  
95th percentile per-packet one-way delay: 41.915 ms  
Loss rate: 8.24%



Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 18:26:27

End at: 2018-06-30 18:26:57

Local clock offset: 5.267 ms

Remote clock offset: -8.61 ms

# Below is generated by plot.py at 2018-06-30 19:56:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 40.802 ms

Loss rate: 8.31%

-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 39.405 ms

Loss rate: 9.71%

-- Flow 2:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 41.402 ms

Loss rate: 6.77%

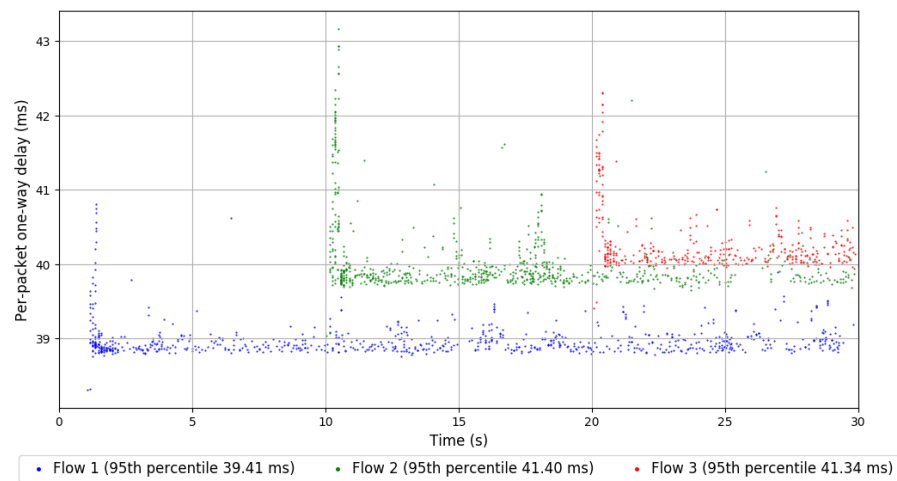
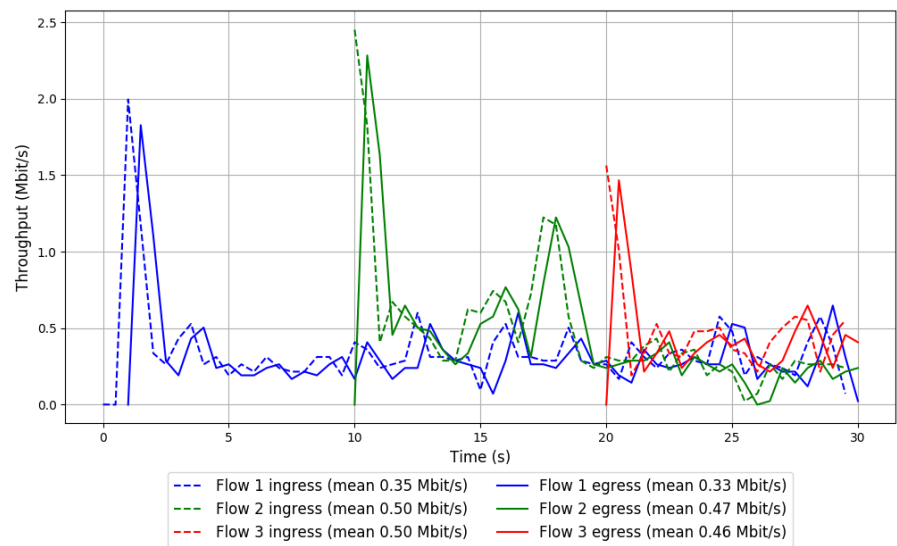
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 41.338 ms

Loss rate: 8.47%

Run 8: Report of TCP Vegas — Data Link

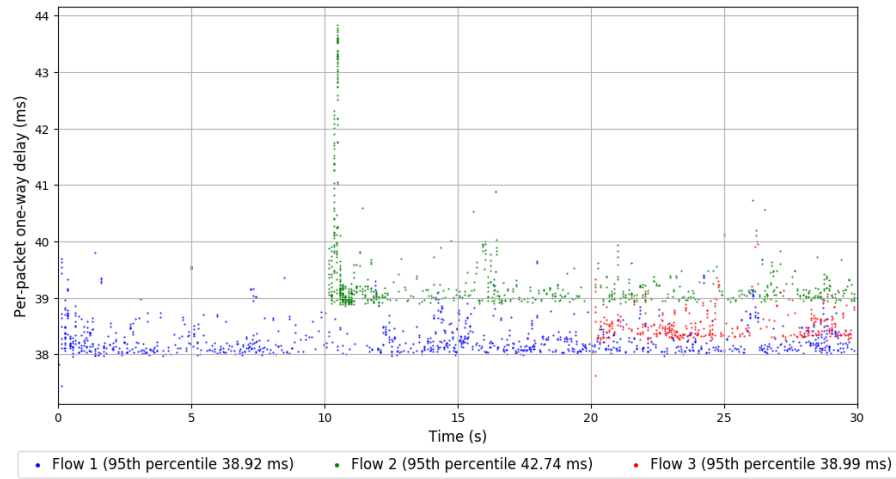
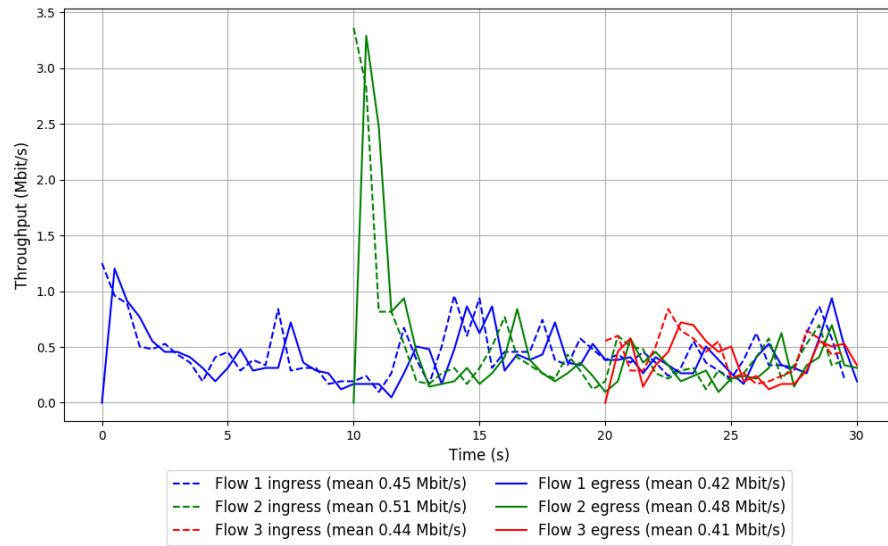


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 18:59:13  
End at: 2018-06-30 18:59:43  
Local clock offset: 1.984 ms  
Remote clock offset: -8.506 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.87 Mbit/s  
95th percentile per-packet one-way delay: 39.913 ms  
Loss rate: 7.44%  
-- Flow 1:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 38.925 ms  
Loss rate: 7.11%  
-- Flow 2:  
Average throughput: 0.48 Mbit/s  
95th percentile per-packet one-way delay: 42.740 ms  
Loss rate: 7.21%  
-- Flow 3:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 38.995 ms  
Loss rate: 9.01%

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

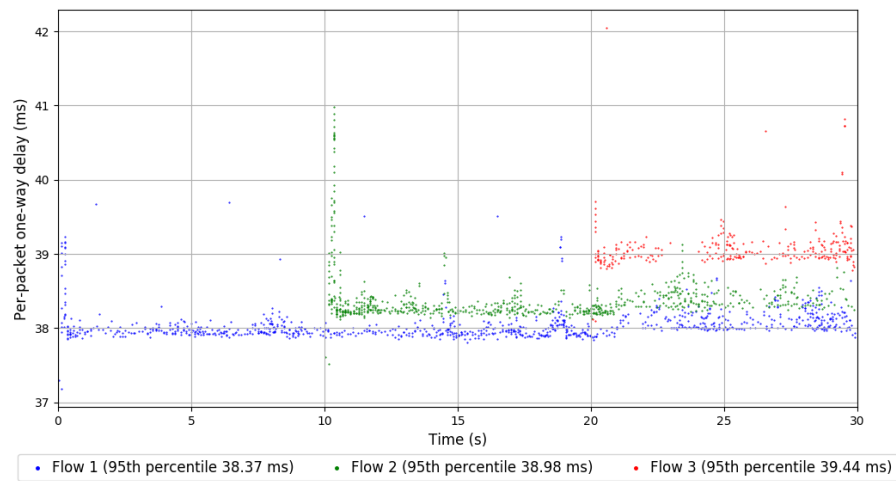
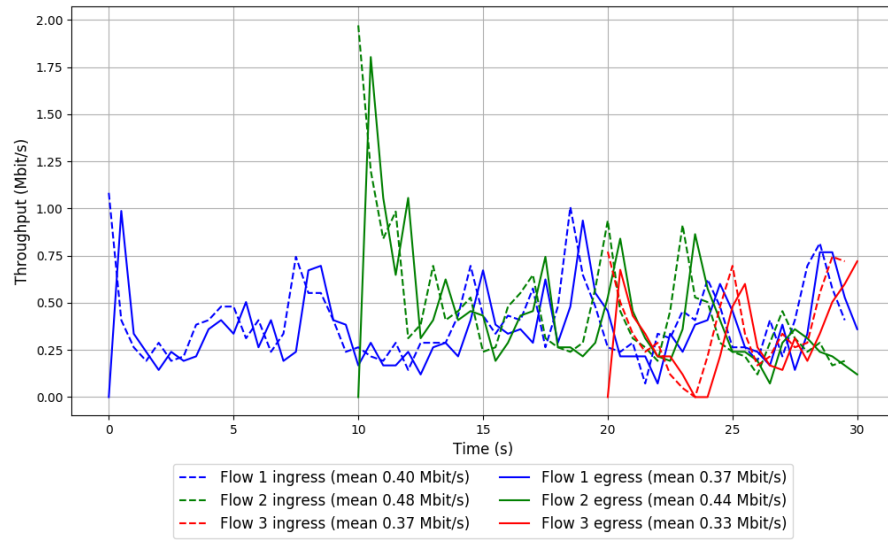


Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 19:34:58  
End at: 2018-06-30 19:35:28  
Local clock offset: 4.113 ms  
Remote clock offset: -8.639 ms

# Below is generated by plot.py at 2018-06-30 19:56:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.77 Mbit/s  
95th percentile per-packet one-way delay: 39.155 ms  
Loss rate: 8.52%  
-- Flow 1:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 38.371 ms  
Loss rate: 8.47%  
-- Flow 2:  
Average throughput: 0.44 Mbit/s  
95th percentile per-packet one-way delay: 38.980 ms  
Loss rate: 7.70%  
-- Flow 3:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 39.436 ms  
Loss rate: 10.82%

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



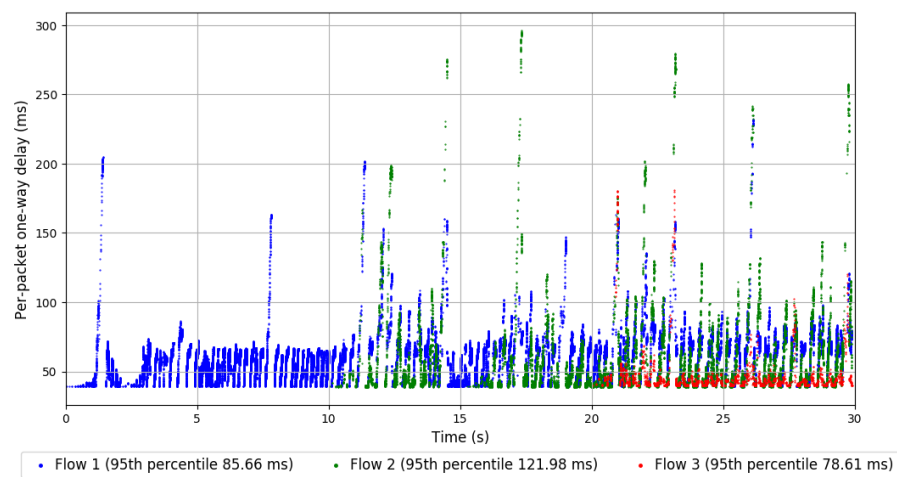
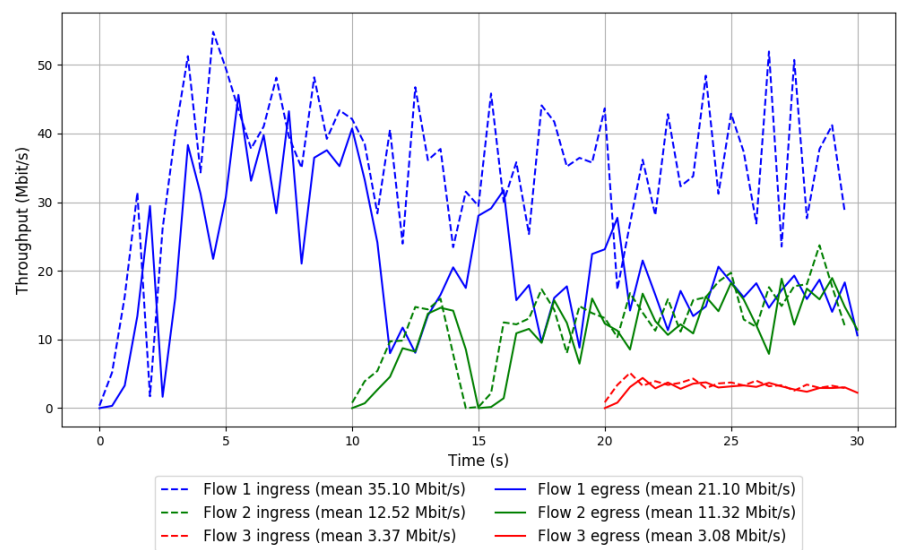
Run 1: Statistics of Verus

Start at: 2018-06-30 14:40:43  
End at: 2018-06-30 14:41:13  
Local clock offset: -1.141 ms  
Remote clock offset: -10.636 ms

# Below is generated by plot.py at 2018-06-30 19:56:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 29.62 Mbit/s  
95th percentile per-packet one-way delay: 94.222 ms  
Loss rate: 33.77%  
-- Flow 1:  
Average throughput: 21.10 Mbit/s  
95th percentile per-packet one-way delay: 85.659 ms  
Loss rate: 40.16%  
-- Flow 2:  
Average throughput: 11.32 Mbit/s  
95th percentile per-packet one-way delay: 121.978 ms  
Loss rate: 10.15%  
-- Flow 3:  
Average throughput: 3.08 Mbit/s  
95th percentile per-packet one-way delay: 78.612 ms  
Loss rate: 9.58%



Run 1: Report of Verus — Data Link

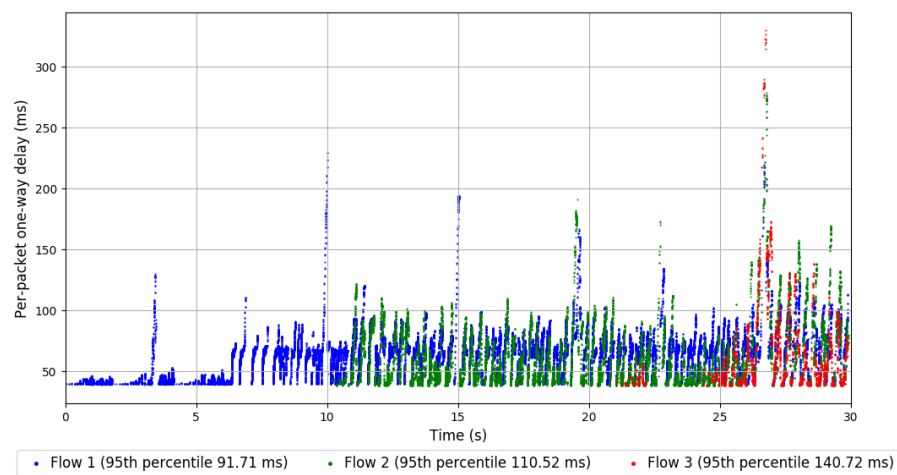
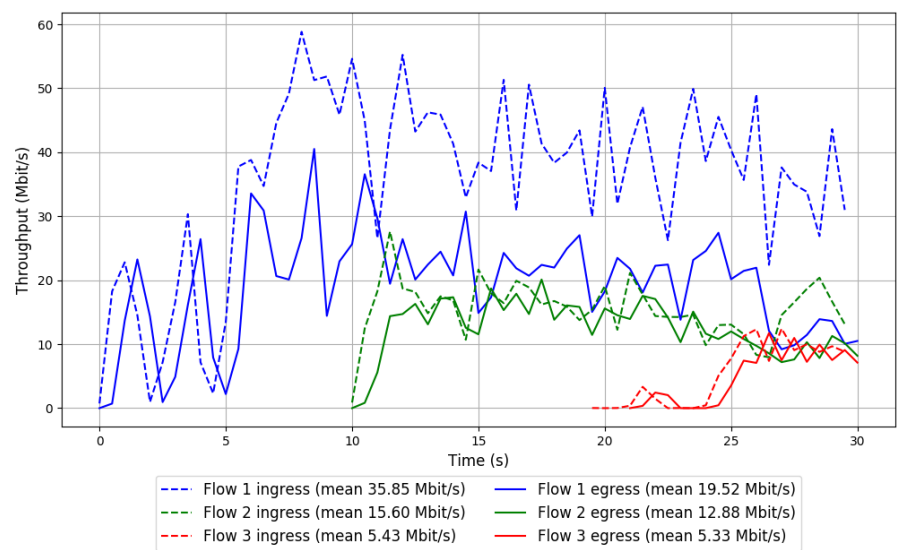


Run 2: Statistics of Verus

Start at: 2018-06-30 15:14:29  
End at: 2018-06-30 15:14:59  
Local clock offset: 4.8 ms  
Remote clock offset: -11.405 ms

# Below is generated by plot.py at 2018-06-30 19:56:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 29.65 Mbit/s  
95th percentile per-packet one-way delay: 97.733 ms  
Loss rate: 38.37%  
-- Flow 1:  
Average throughput: 19.52 Mbit/s  
95th percentile per-packet one-way delay: 91.714 ms  
Loss rate: 45.69%  
-- Flow 2:  
Average throughput: 12.88 Mbit/s  
95th percentile per-packet one-way delay: 110.517 ms  
Loss rate: 17.48%  
-- Flow 3:  
Average throughput: 5.33 Mbit/s  
95th percentile per-packet one-way delay: 140.722 ms  
Loss rate: 12.78%

Run 2: Report of Verus — Data Link

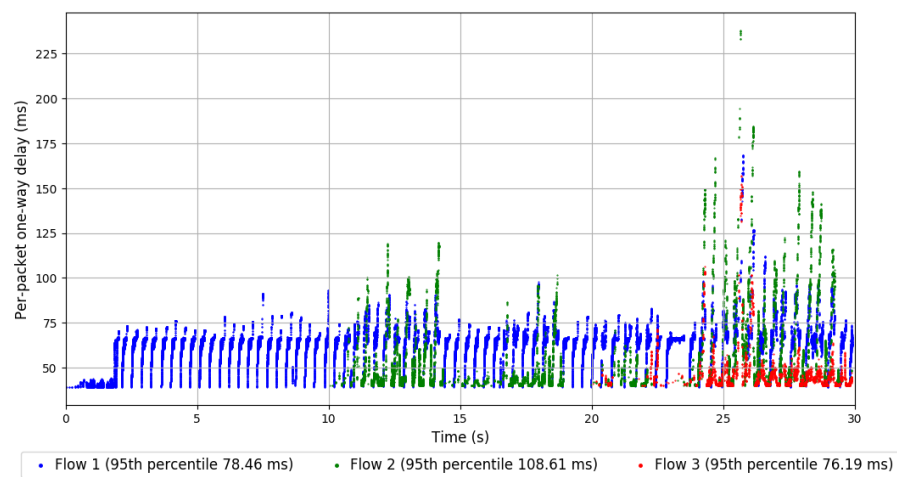
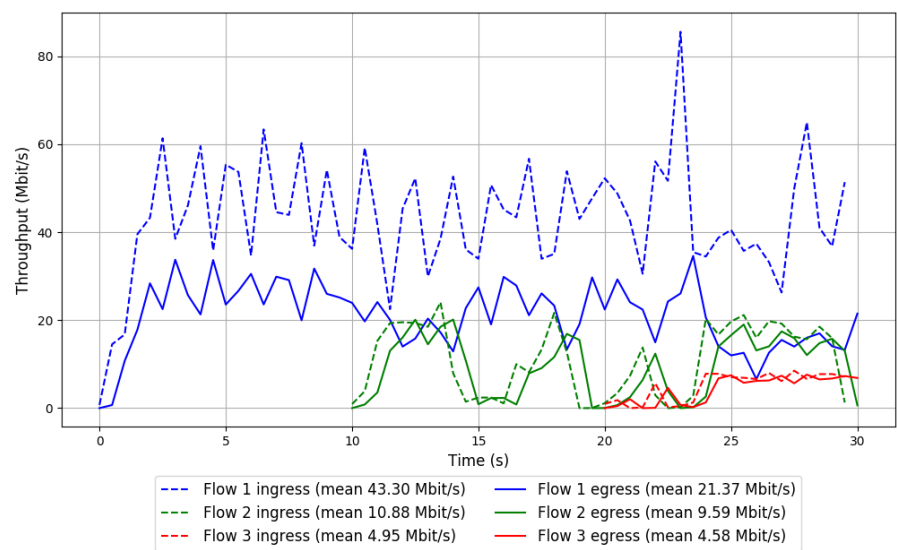


Run 3: Statistics of Verus

Start at: 2018-06-30 15:49:20  
End at: 2018-06-30 15:49:50  
Local clock offset: 6.124 ms  
Remote clock offset: -10.357 ms

# Below is generated by plot.py at 2018-06-30 19:56:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 29.24 Mbit/s  
95th percentile per-packet one-way delay: 85.219 ms  
Loss rate: 44.14%  
-- Flow 1:  
Average throughput: 21.37 Mbit/s  
95th percentile per-packet one-way delay: 78.458 ms  
Loss rate: 50.79%  
-- Flow 2:  
Average throughput: 9.59 Mbit/s  
95th percentile per-packet one-way delay: 108.614 ms  
Loss rate: 12.49%  
-- Flow 3:  
Average throughput: 4.58 Mbit/s  
95th percentile per-packet one-way delay: 76.186 ms  
Loss rate: 8.77%

Run 3: Report of Verus — Data Link

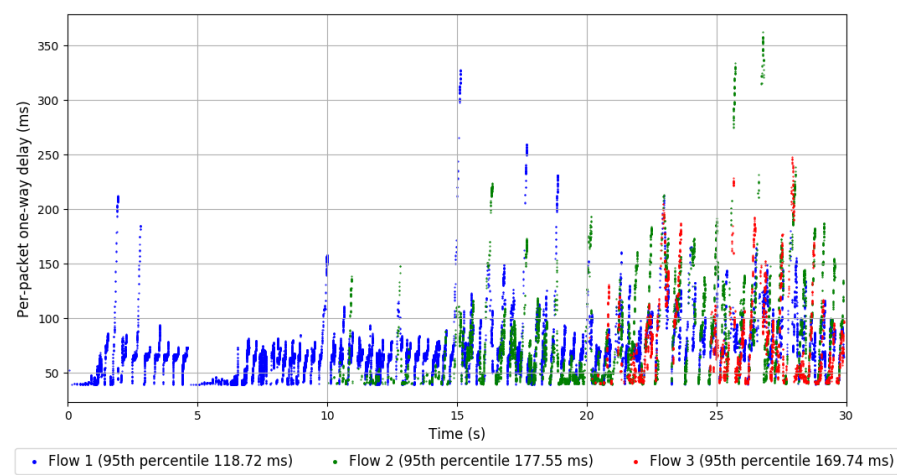
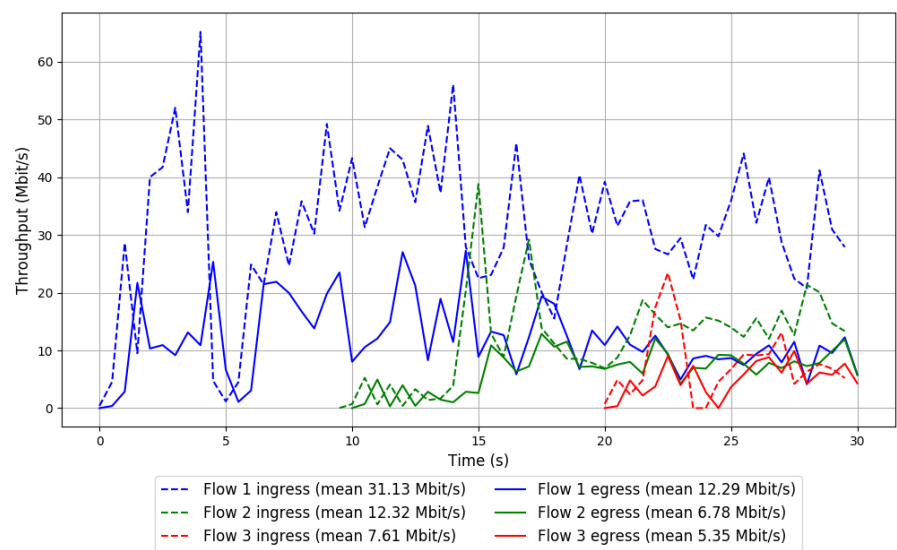


Run 4: Statistics of Verus

Start at: 2018-06-30 16:23:05  
End at: 2018-06-30 16:23:35  
Local clock offset: 0.329 ms  
Remote clock offset: -9.896 ms

# Below is generated by plot.py at 2018-06-30 19:56:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 18.55 Mbit/s  
95th percentile per-packet one-way delay: 149.954 ms  
Loss rate: 55.78%  
-- Flow 1:  
Average throughput: 12.29 Mbit/s  
95th percentile per-packet one-way delay: 118.718 ms  
Loss rate: 60.63%  
-- Flow 2:  
Average throughput: 6.78 Mbit/s  
95th percentile per-packet one-way delay: 177.547 ms  
Loss rate: 45.09%  
-- Flow 3:  
Average throughput: 5.35 Mbit/s  
95th percentile per-packet one-way delay: 169.742 ms  
Loss rate: 30.68%

Run 4: Report of Verus — Data Link



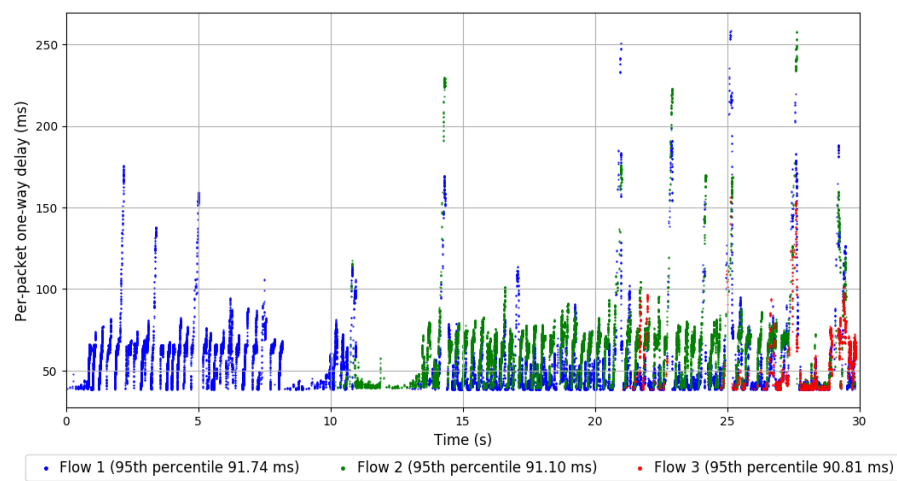
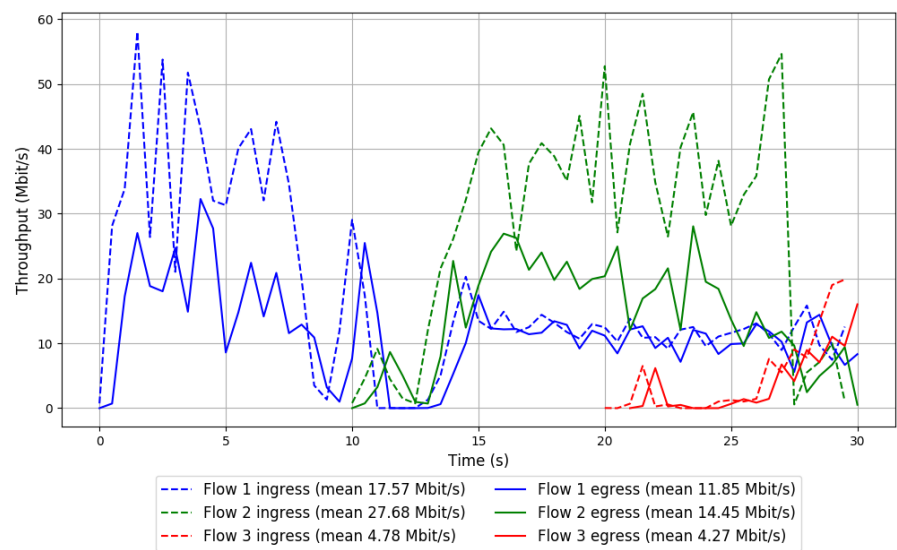
Run 5: Statistics of Verus

Start at: 2018-06-30 16:55:36  
End at: 2018-06-30 16:56:06  
Local clock offset: -7.116 ms  
Remote clock offset: -10.315 ms

# Below is generated by plot.py at 2018-06-30 19:56:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 22.69 Mbit/s  
95th percentile per-packet one-way delay: 91.320 ms  
Loss rate: 39.84%  
-- Flow 1:  
Average throughput: 11.85 Mbit/s  
95th percentile per-packet one-way delay: 91.743 ms  
Loss rate: 32.92%  
-- Flow 2:  
Average throughput: 14.45 Mbit/s  
95th percentile per-packet one-way delay: 91.096 ms  
Loss rate: 48.09%  
-- Flow 3:  
Average throughput: 4.27 Mbit/s  
95th percentile per-packet one-way delay: 90.812 ms  
Loss rate: 20.86%



Run 5: Report of Verus — Data Link

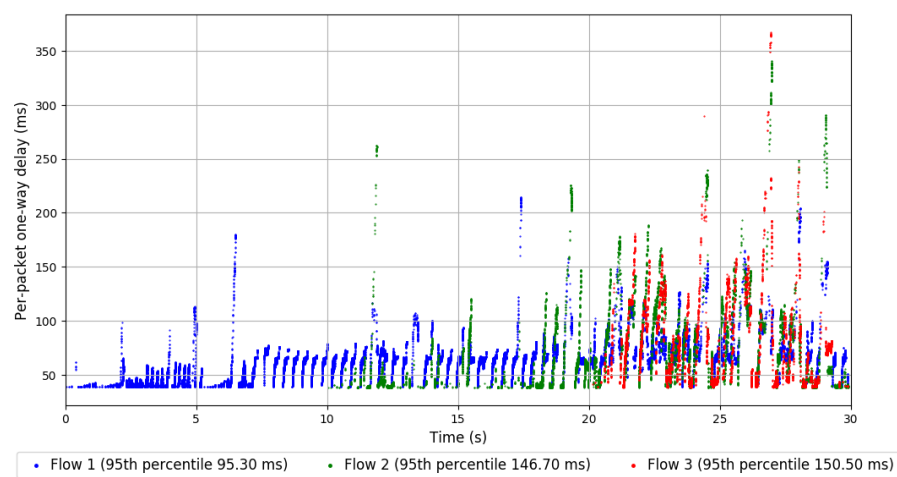
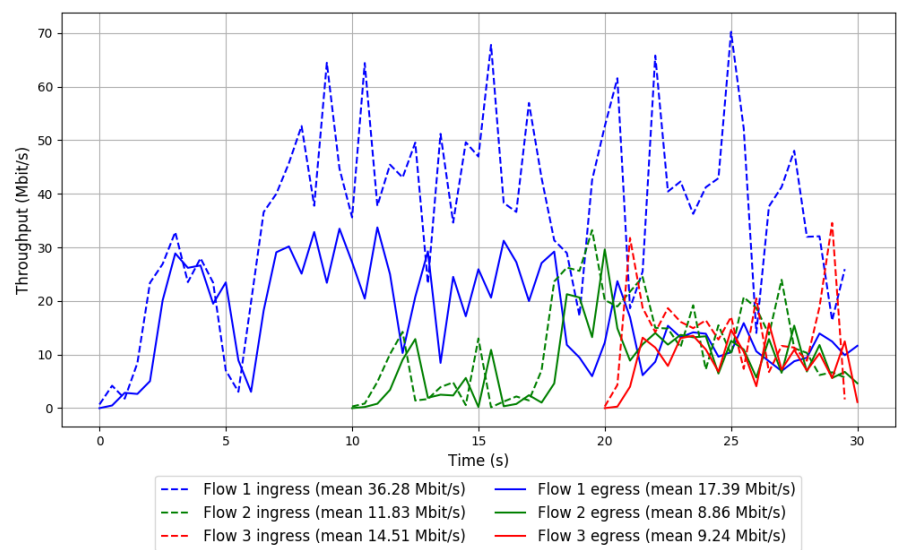


Run 6: Statistics of Verus

Start at: 2018-06-30 17:28:32  
End at: 2018-06-30 17:29:02  
Local clock offset: -1.713 ms  
Remote clock offset: -8.115 ms

# Below is generated by plot.py at 2018-06-30 19:56:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.29 Mbit/s  
95th percentile per-packet one-way delay: 120.207 ms  
Loss rate: 46.30%  
-- Flow 1:  
Average throughput: 17.39 Mbit/s  
95th percentile per-packet one-way delay: 95.295 ms  
Loss rate: 52.08%  
-- Flow 2:  
Average throughput: 8.86 Mbit/s  
95th percentile per-packet one-way delay: 146.696 ms  
Loss rate: 25.47%  
-- Flow 3:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 150.496 ms  
Loss rate: 37.01%

Run 6: Report of Verus — Data Link

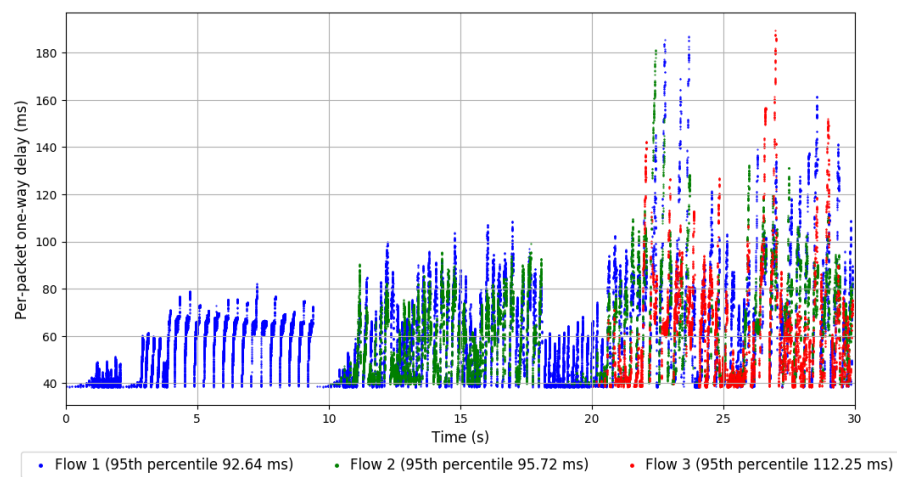
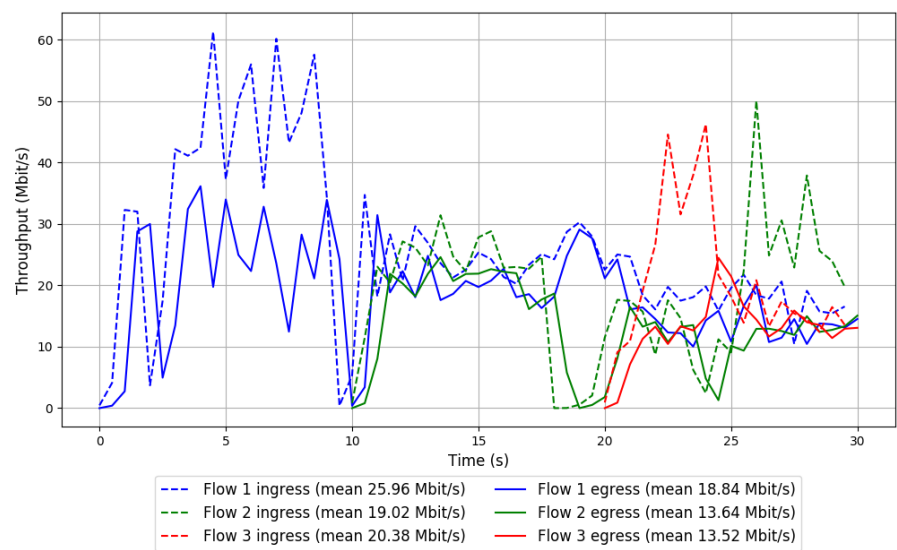


Run 7: Statistics of Verus

Start at: 2018-06-30 18:02:21  
End at: 2018-06-30 18:02:51  
Local clock offset: 4.989 ms  
Remote clock offset: -7.694 ms

# Below is generated by plot.py at 2018-06-30 19:57:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 32.36 Mbit/s  
95th percentile per-packet one-way delay: 95.790 ms  
Loss rate: 28.76%  
-- Flow 1:  
Average throughput: 18.84 Mbit/s  
95th percentile per-packet one-way delay: 92.638 ms  
Loss rate: 27.66%  
-- Flow 2:  
Average throughput: 13.64 Mbit/s  
95th percentile per-packet one-way delay: 95.724 ms  
Loss rate: 28.13%  
-- Flow 3:  
Average throughput: 13.52 Mbit/s  
95th percentile per-packet one-way delay: 112.249 ms  
Loss rate: 34.15%

Run 7: Report of Verus — Data Link

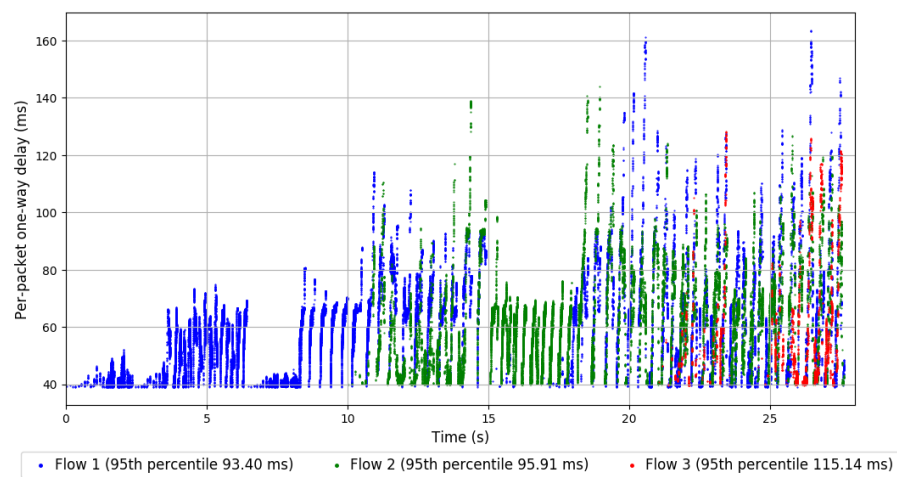
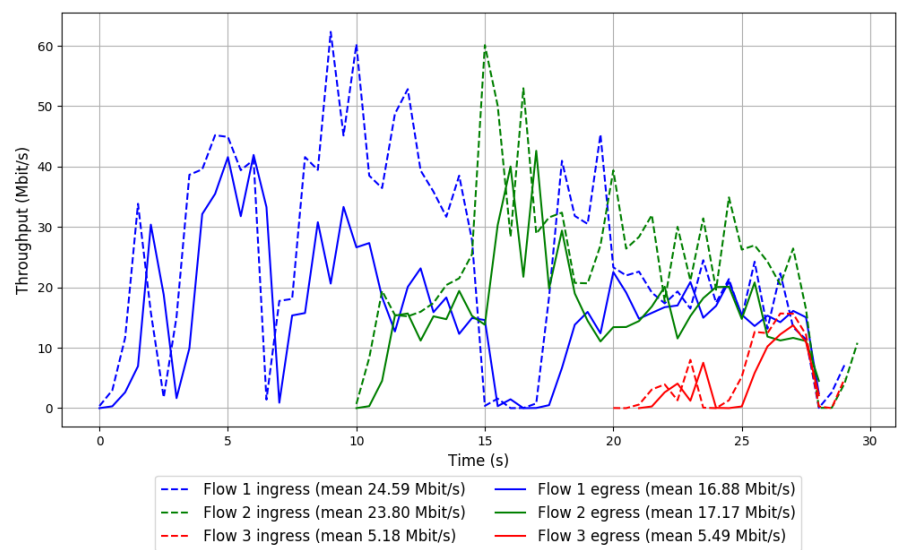


Run 8: Statistics of Verus

Start at: 2018-06-30 18:37:21  
End at: 2018-06-30 18:37:51  
Local clock offset: 5.225 ms  
Remote clock offset: -8.774 ms

# Below is generated by plot.py at 2018-06-30 19:57:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 29.11 Mbit/s  
95th percentile per-packet one-way delay: 96.288 ms  
Loss rate: 35.67%  
-- Flow 1:  
Average throughput: 16.88 Mbit/s  
95th percentile per-packet one-way delay: 93.404 ms  
Loss rate: 35.75%  
-- Flow 2:  
Average throughput: 17.17 Mbit/s  
95th percentile per-packet one-way delay: 95.913 ms  
Loss rate: 36.46%  
-- Flow 3:  
Average throughput: 5.49 Mbit/s  
95th percentile per-packet one-way delay: 115.137 ms  
Loss rate: 26.82%

Run 8: Report of Verus — Data Link



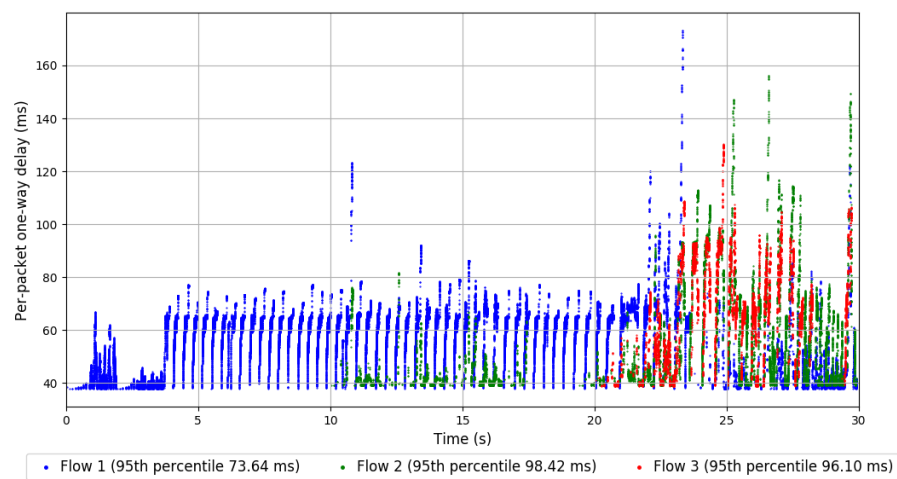
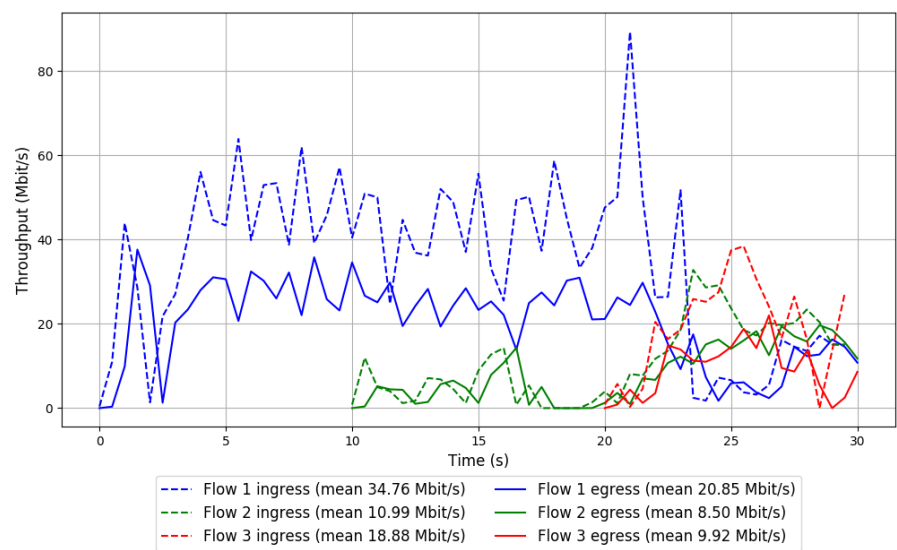
Run 9: Statistics of Verus

Start at: 2018-06-30 19:10:29  
End at: 2018-06-30 19:10:59  
Local clock offset: 1.008 ms  
Remote clock offset: -8.612 ms

# Below is generated by plot.py at 2018-06-30 19:57:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 29.71 Mbit/s  
95th percentile per-packet one-way delay: 86.443 ms  
Loss rate: 38.78%  
-- Flow 1:  
Average throughput: 20.85 Mbit/s  
95th percentile per-packet one-way delay: 73.643 ms  
Loss rate: 40.26%  
-- Flow 2:  
Average throughput: 8.50 Mbit/s  
95th percentile per-packet one-way delay: 98.418 ms  
Loss rate: 22.79%  
-- Flow 3:  
Average throughput: 9.92 Mbit/s  
95th percentile per-packet one-way delay: 96.100 ms  
Loss rate: 49.17%



Run 9: Report of Verus — Data Link

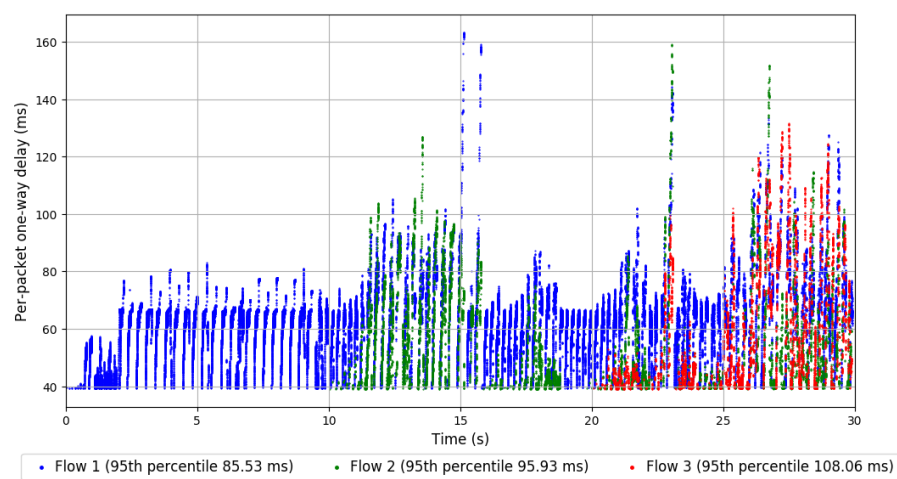
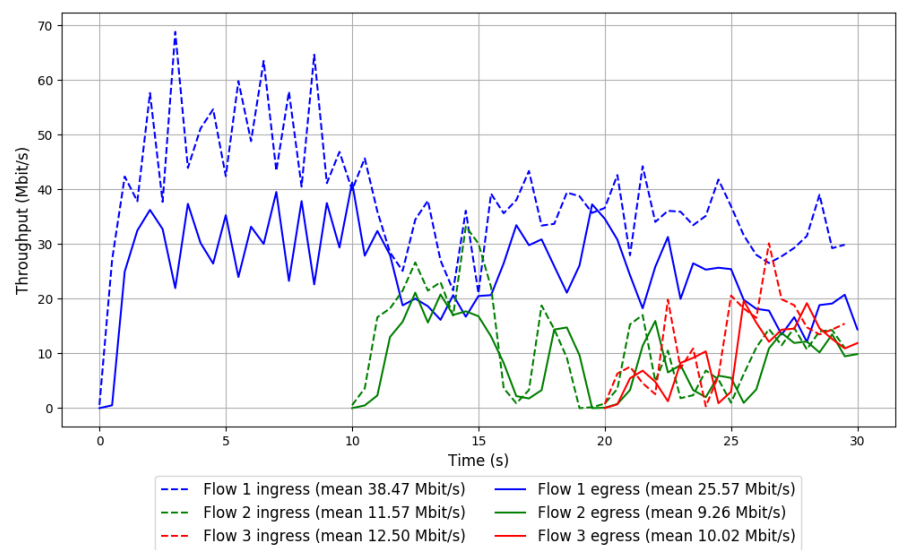


Run 10: Statistics of Verus

Start at: 2018-06-30 19:46:36  
End at: 2018-06-30 19:47:06  
Local clock offset: 4.004 ms  
Remote clock offset: -8.677 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 35.01 Mbit/s  
95th percentile per-packet one-way delay: 91.300 ms  
Loss rate: 30.51%  
-- Flow 1:  
Average throughput: 25.57 Mbit/s  
95th percentile per-packet one-way delay: 85.534 ms  
Loss rate: 33.55%  
-- Flow 2:  
Average throughput: 9.26 Mbit/s  
95th percentile per-packet one-way delay: 95.933 ms  
Loss rate: 20.56%  
-- Flow 3:  
Average throughput: 10.02 Mbit/s  
95th percentile per-packet one-way delay: 108.060 ms  
Loss rate: 20.90%

Run 10: Report of Verus — Data Link

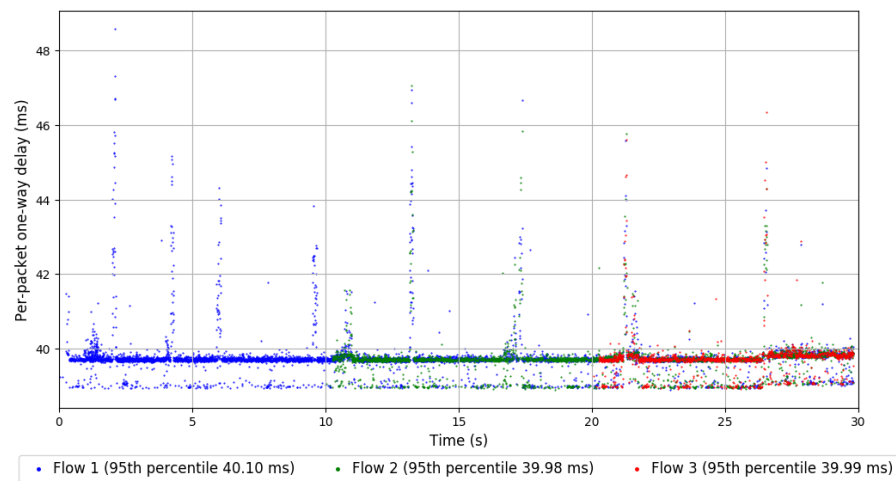
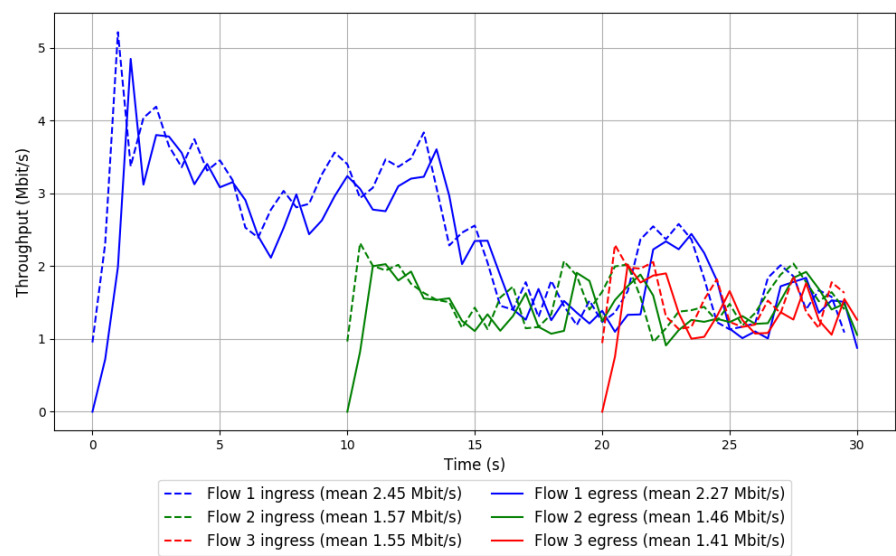


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 14:31:26  
End at: 2018-06-30 14:31:56  
Local clock offset: -0.703 ms  
Remote clock offset: -10.321 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.70 Mbit/s  
95th percentile per-packet one-way delay: 40.029 ms  
Loss rate: 7.90%  
-- Flow 1:  
Average throughput: 2.27 Mbit/s  
95th percentile per-packet one-way delay: 40.100 ms  
Loss rate: 7.75%  
-- Flow 2:  
Average throughput: 1.46 Mbit/s  
95th percentile per-packet one-way delay: 39.979 ms  
Loss rate: 7.52%  
-- Flow 3:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 39.993 ms  
Loss rate: 9.42%

Run 1: Report of PCC-Vivace — Data Link

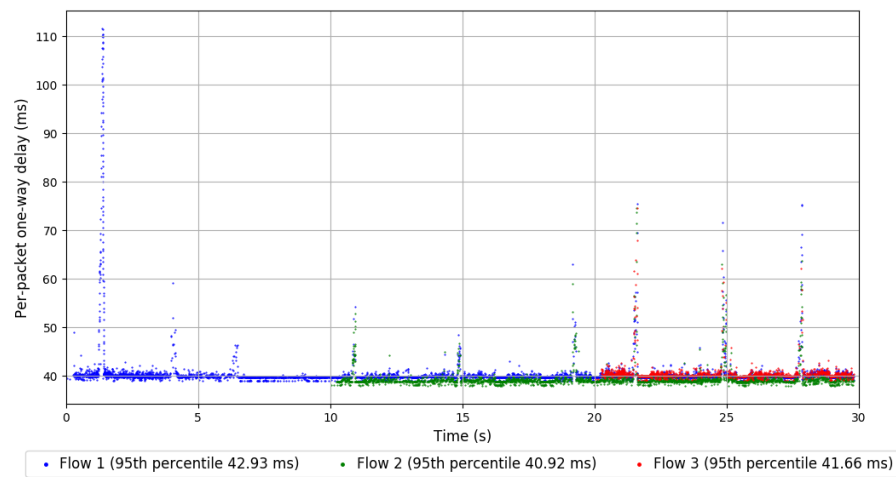
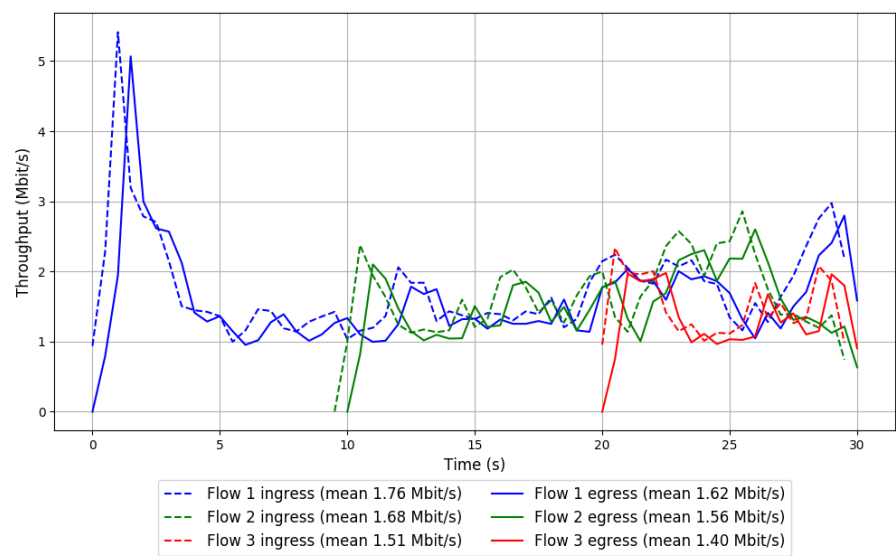


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 15:05:19  
End at: 2018-06-30 15:05:49  
Local clock offset: 4.087 ms  
Remote clock offset: -11.347 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.11 Mbit/s  
95th percentile per-packet one-way delay: 42.051 ms  
Loss rate: 8.06%  
-- Flow 1:  
Average throughput: 1.62 Mbit/s  
95th percentile per-packet one-way delay: 42.931 ms  
Loss rate: 8.22%  
-- Flow 2:  
Average throughput: 1.56 Mbit/s  
95th percentile per-packet one-way delay: 40.925 ms  
Loss rate: 7.63%  
-- Flow 3:  
Average throughput: 1.40 Mbit/s  
95th percentile per-packet one-way delay: 41.661 ms  
Loss rate: 8.45%

Run 2: Report of PCC-Vivace — Data Link



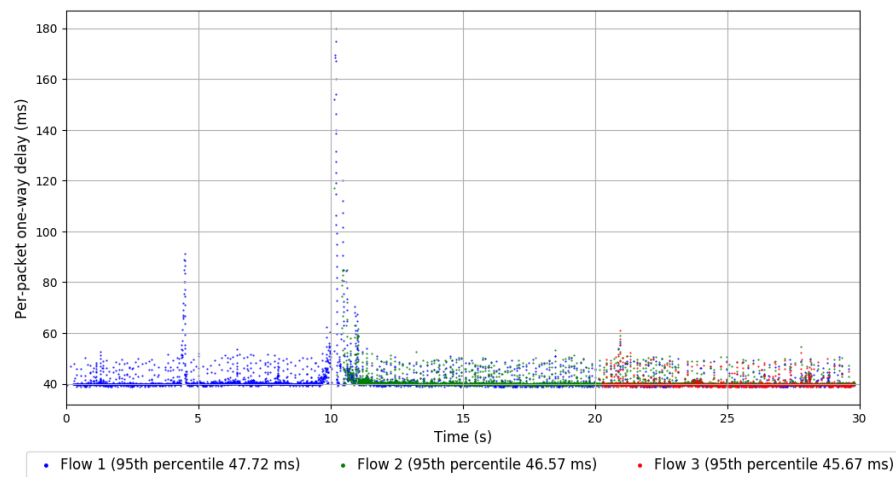
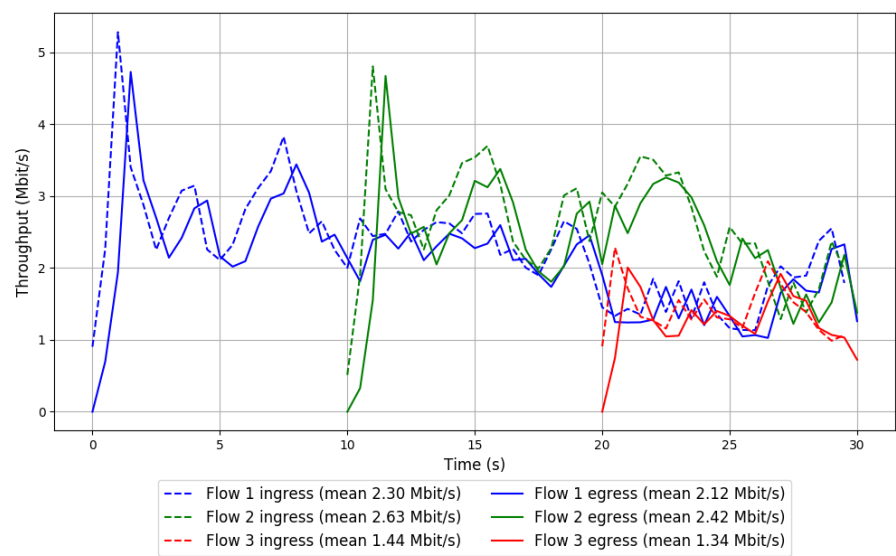
Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 15:39:54  
End at: 2018-06-30 15:40:24  
Local clock offset: 5.535 ms  
Remote clock offset: -10.481 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.16 Mbit/s  
95th percentile per-packet one-way delay: 46.992 ms  
Loss rate: 8.35%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 47.721 ms  
Loss rate: 8.10%  
-- Flow 2:  
Average throughput: 2.42 Mbit/s  
95th percentile per-packet one-way delay: 46.572 ms  
Loss rate: 8.72%  
-- Flow 3:  
Average throughput: 1.34 Mbit/s  
95th percentile per-packet one-way delay: 45.672 ms  
Loss rate: 8.21%



Run 3: Report of PCC-Vivace — Data Link

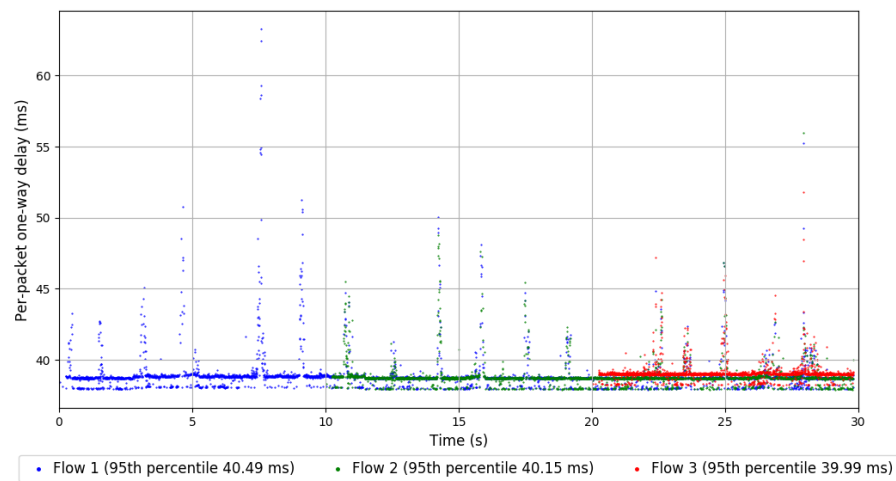
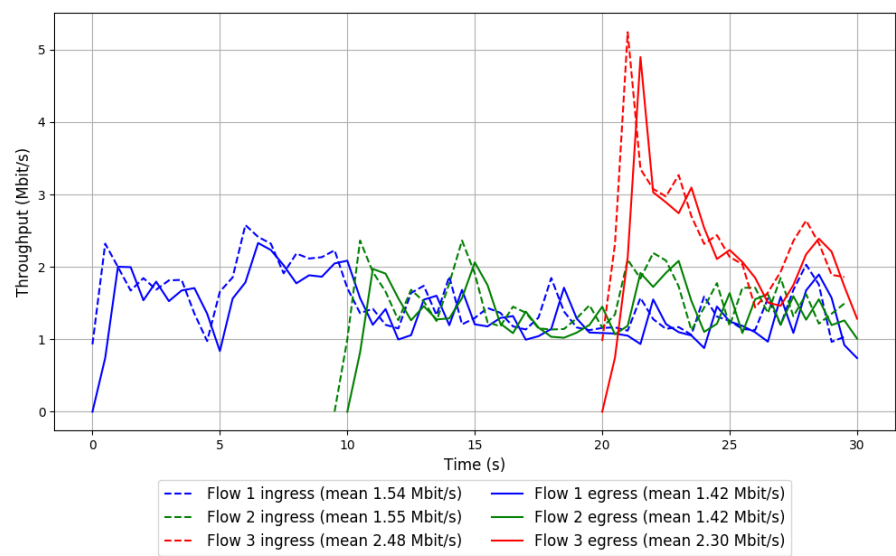


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 16:13:56  
End at: 2018-06-30 16:14:26  
Local clock offset: 7.109 ms  
Remote clock offset: -9.937 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.12 Mbit/s  
95th percentile per-packet one-way delay: 40.208 ms  
Loss rate: 8.32%  
-- Flow 1:  
Average throughput: 1.42 Mbit/s  
95th percentile per-packet one-way delay: 40.491 ms  
Loss rate: 7.96%  
-- Flow 2:  
Average throughput: 1.42 Mbit/s  
95th percentile per-packet one-way delay: 40.147 ms  
Loss rate: 8.84%  
-- Flow 3:  
Average throughput: 2.30 Mbit/s  
95th percentile per-packet one-way delay: 39.992 ms  
Loss rate: 8.35%

Run 4: Report of PCC-Vivace — Data Link

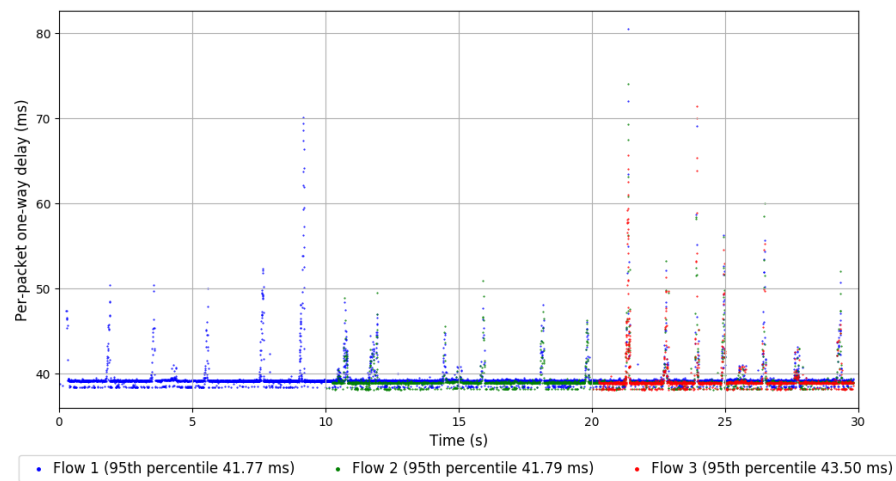
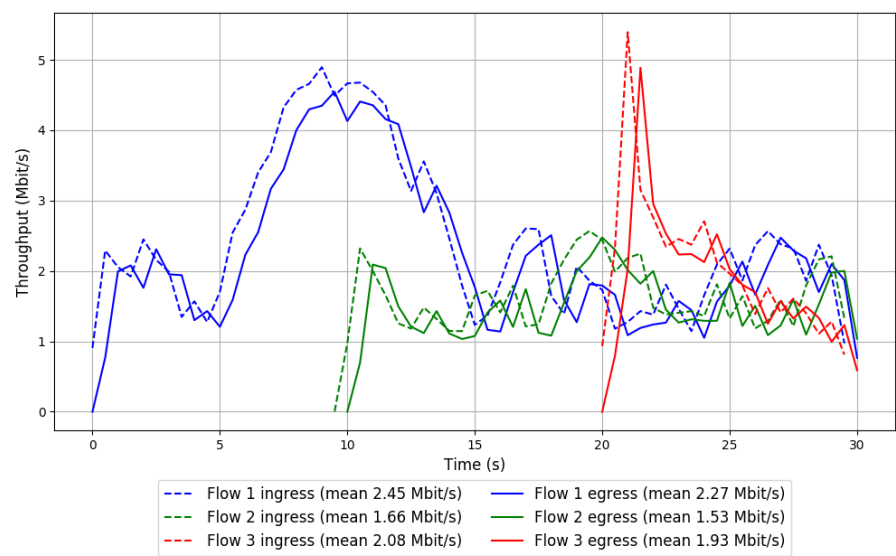


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 16:46:27  
End at: 2018-06-30 16:46:57  
Local clock offset: -6.338 ms  
Remote clock offset: -10.538 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.92 Mbit/s  
95th percentile per-packet one-way delay: 41.996 ms  
Loss rate: 7.85%  
-- Flow 1:  
Average throughput: 2.27 Mbit/s  
95th percentile per-packet one-way delay: 41.766 ms  
Loss rate: 7.50%  
-- Flow 2:  
Average throughput: 1.53 Mbit/s  
95th percentile per-packet one-way delay: 41.793 ms  
Loss rate: 8.29%  
-- Flow 3:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 43.496 ms  
Loss rate: 8.41%

Run 5: Report of PCC-Vivace — Data Link

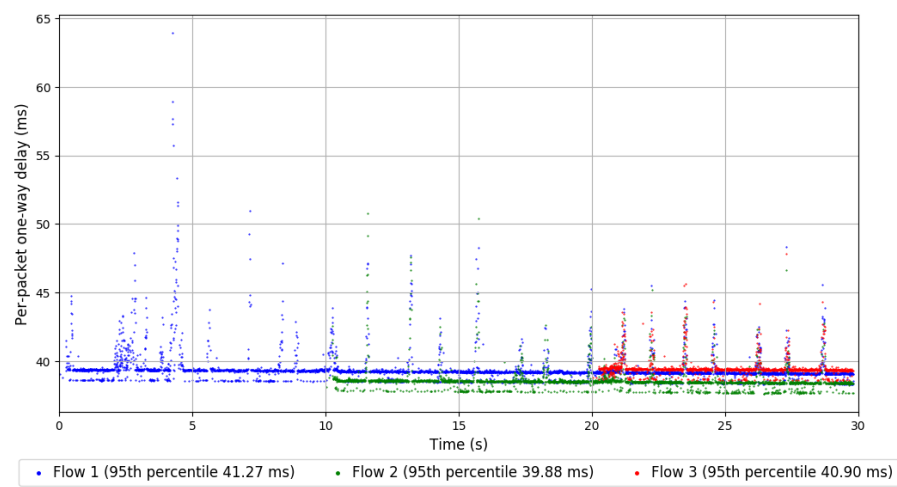
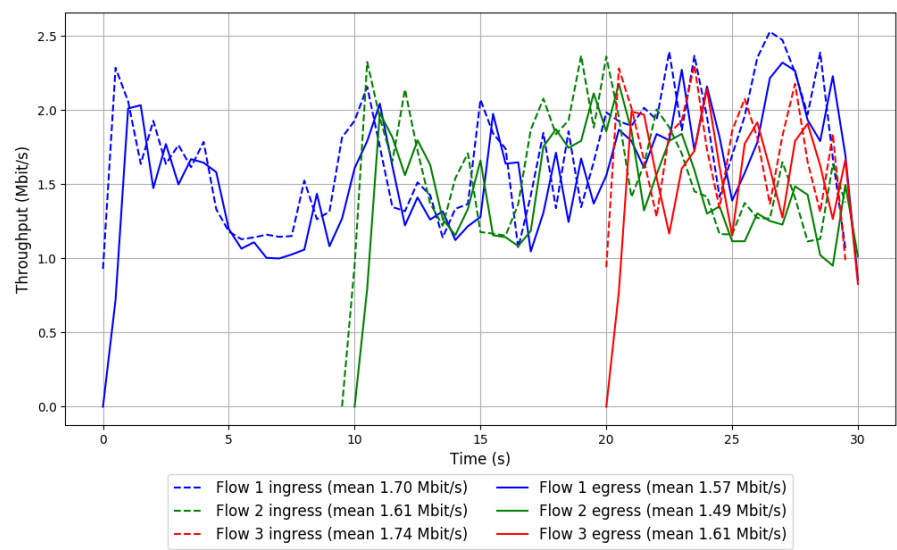


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 17:19:25  
End at: 2018-06-30 17:19:55  
Local clock offset: -5.541 ms  
Remote clock offset: -8.796 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.09 Mbit/s  
95th percentile per-packet one-way delay: 40.852 ms  
Loss rate: 7.77%  
-- Flow 1:  
Average throughput: 1.57 Mbit/s  
95th percentile per-packet one-way delay: 41.270 ms  
Loss rate: 7.62%  
-- Flow 2:  
Average throughput: 1.49 Mbit/s  
95th percentile per-packet one-way delay: 39.880 ms  
Loss rate: 7.65%  
-- Flow 3:  
Average throughput: 1.61 Mbit/s  
95th percentile per-packet one-way delay: 40.896 ms  
Loss rate: 8.43%

Run 6: Report of PCC-Vivace — Data Link



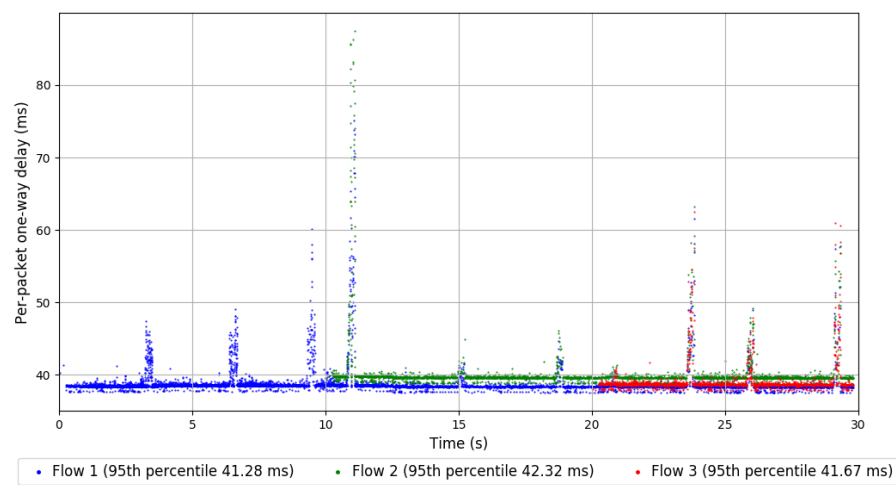
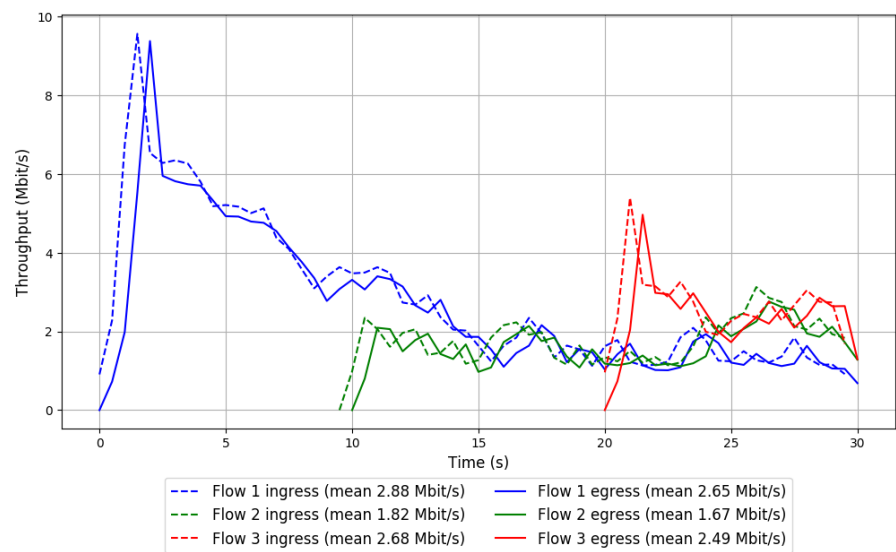
Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 17:52:56  
End at: 2018-06-30 17:53:27  
Local clock offset: 3.2 ms  
Remote clock offset: -7.844 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.58 Mbit/s  
95th percentile per-packet one-way delay: 41.617 ms  
Loss rate: 8.18%  
-- Flow 1:  
Average throughput: 2.65 Mbit/s  
95th percentile per-packet one-way delay: 41.277 ms  
Loss rate: 8.07%  
-- Flow 2:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 42.324 ms  
Loss rate: 8.45%  
-- Flow 3:  
Average throughput: 2.49 Mbit/s  
95th percentile per-packet one-way delay: 41.673 ms  
Loss rate: 8.13%



Run 7: Report of PCC-Vivace — Data Link

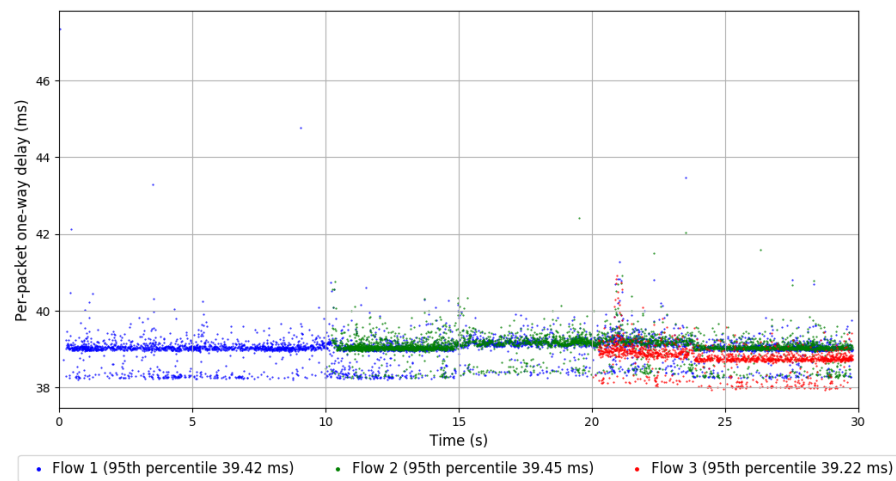
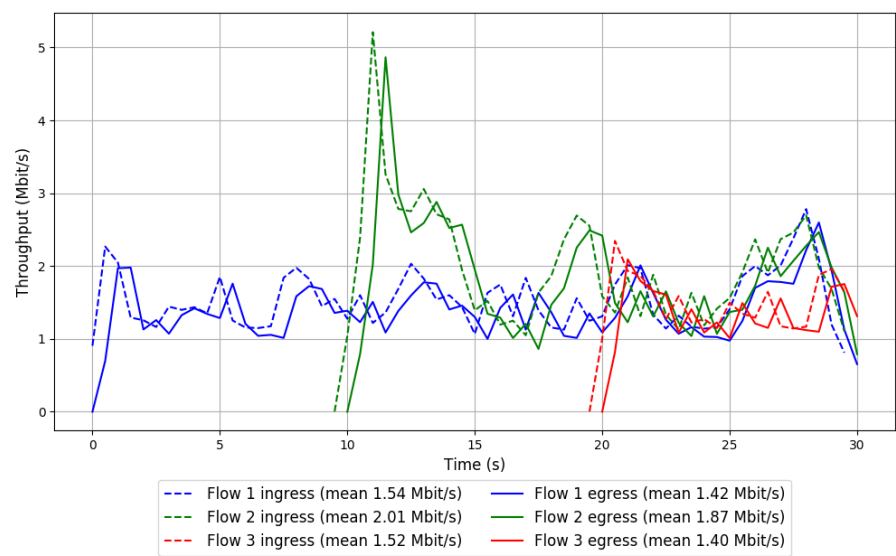


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 18:27:47  
End at: 2018-06-30 18:28:17  
Local clock offset: 5.25 ms  
Remote clock offset: -8.603 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.12 Mbit/s  
95th percentile per-packet one-way delay: 39.421 ms  
Loss rate: 8.33%  
-- Flow 1:  
Average throughput: 1.42 Mbit/s  
95th percentile per-packet one-way delay: 39.416 ms  
Loss rate: 8.52%  
-- Flow 2:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 39.454 ms  
Loss rate: 7.85%  
-- Flow 3:  
Average throughput: 1.40 Mbit/s  
95th percentile per-packet one-way delay: 39.216 ms  
Loss rate: 9.01%

Run 8: Report of PCC-Vivace — Data Link

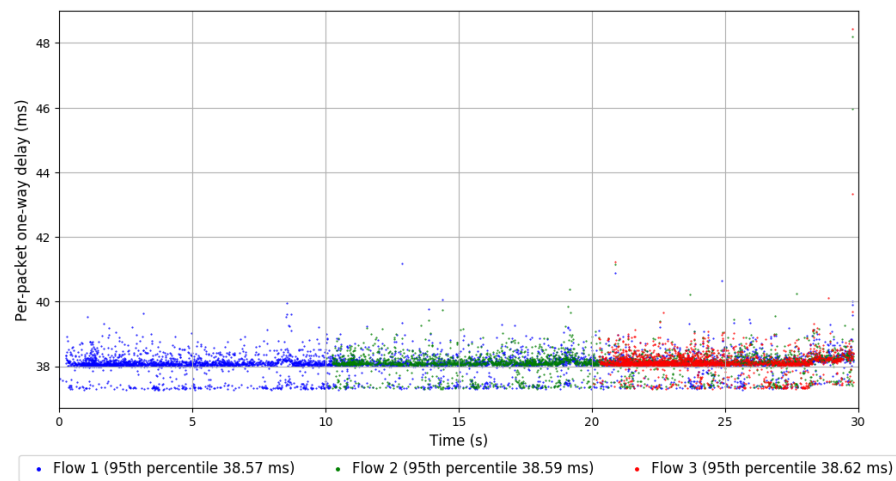
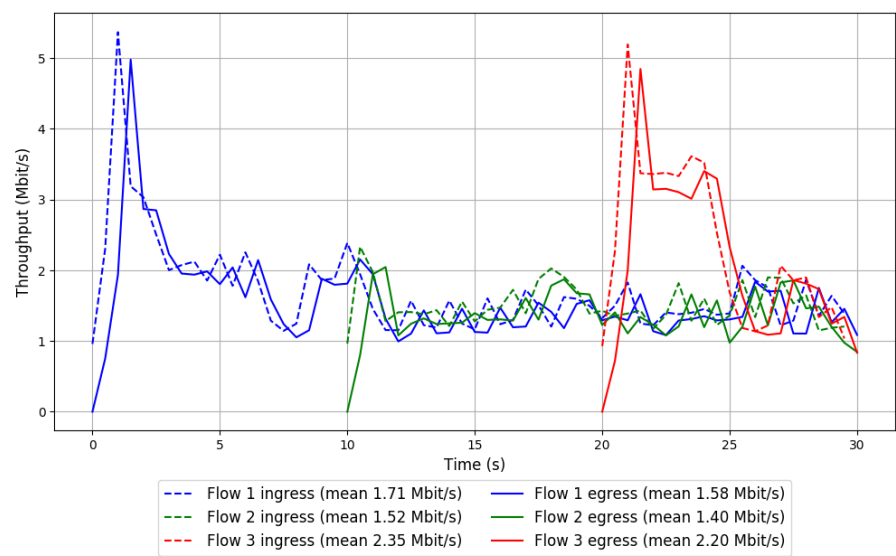


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 19:00:34  
End at: 2018-06-30 19:01:04  
Local clock offset: 1.695 ms  
Remote clock offset: -8.548 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.23 Mbit/s  
95th percentile per-packet one-way delay: 38.589 ms  
Loss rate: 8.00%  
-- Flow 1:  
Average throughput: 1.58 Mbit/s  
95th percentile per-packet one-way delay: 38.570 ms  
Loss rate: 7.82%  
-- Flow 2:  
Average throughput: 1.40 Mbit/s  
95th percentile per-packet one-way delay: 38.595 ms  
Loss rate: 8.49%  
-- Flow 3:  
Average throughput: 2.20 Mbit/s  
95th percentile per-packet one-way delay: 38.615 ms  
Loss rate: 7.77%

Run 9: Report of PCC-Vivace — Data Link

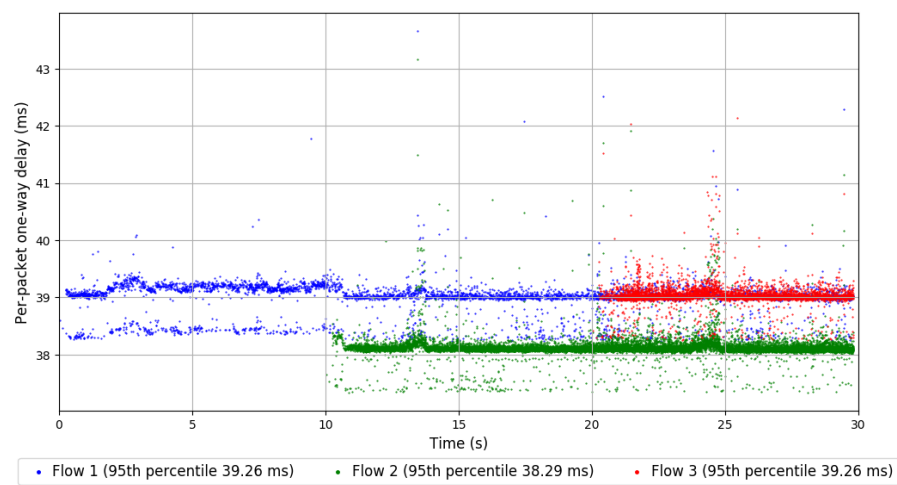
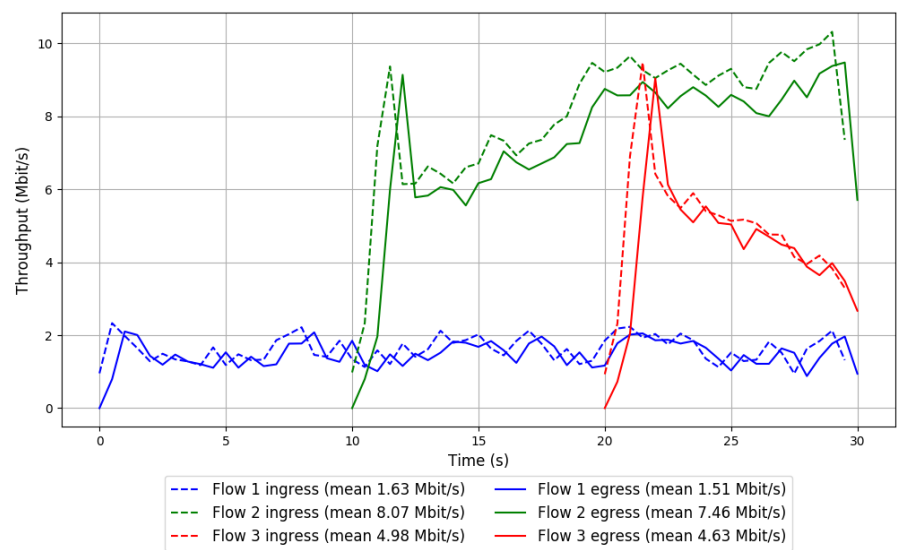


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 19:36:17  
End at: 2018-06-30 19:36:47  
Local clock offset: 4.198 ms  
Remote clock offset: -8.648 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.98 Mbit/s  
95th percentile per-packet one-way delay: 39.193 ms  
Loss rate: 7.91%  
-- Flow 1:  
Average throughput: 1.51 Mbit/s  
95th percentile per-packet one-way delay: 39.264 ms  
Loss rate: 7.46%  
-- Flow 2:  
Average throughput: 7.46 Mbit/s  
95th percentile per-packet one-way delay: 38.286 ms  
Loss rate: 8.03%  
-- Flow 3:  
Average throughput: 4.63 Mbit/s  
95th percentile per-packet one-way delay: 39.256 ms  
Loss rate: 7.97%

Run 10: Report of PCC-Vivace — Data Link



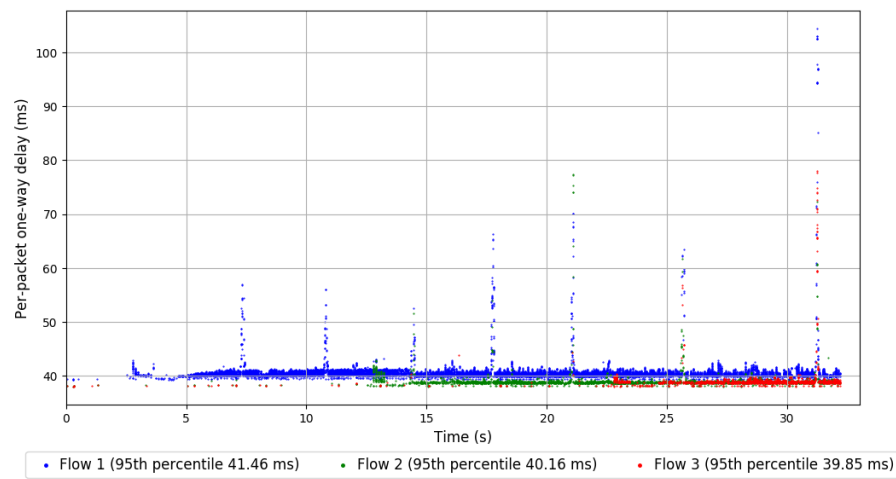
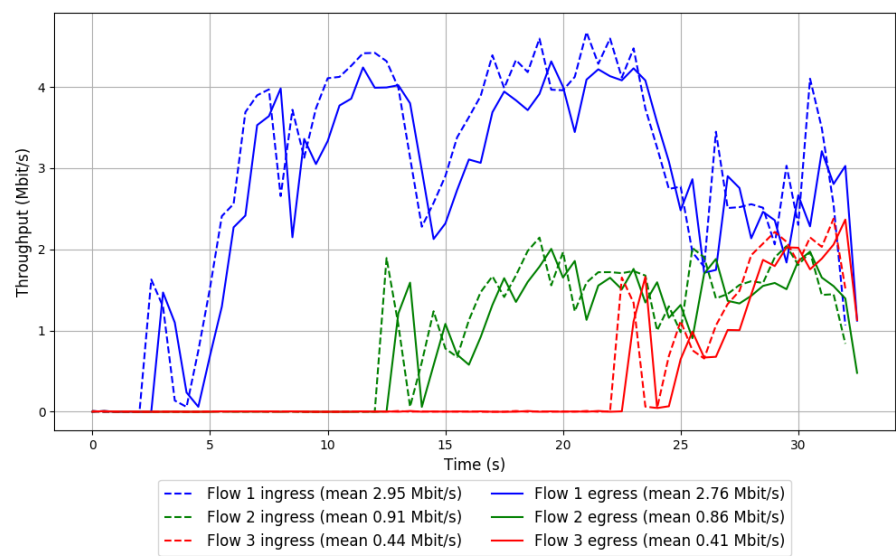
Run 1: Statistics of WebRTC media

Start at: 2018-06-30 14:43:50  
End at: 2018-06-30 14:44:20  
Local clock offset: -1.27 ms  
Remote clock offset: -10.695 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.02 Mbit/s  
95th percentile per-packet one-way delay: 41.302 ms  
Loss rate: 6.98%  
-- Flow 1:  
Average throughput: 2.76 Mbit/s  
95th percentile per-packet one-way delay: 41.460 ms  
Loss rate: 7.02%  
-- Flow 2:  
Average throughput: 0.86 Mbit/s  
95th percentile per-packet one-way delay: 40.163 ms  
Loss rate: 6.54%  
-- Flow 3:  
Average throughput: 0.41 Mbit/s  
95th percentile per-packet one-way delay: 39.852 ms  
Loss rate: 7.67%



Run 1: Report of WebRTC media — Data Link

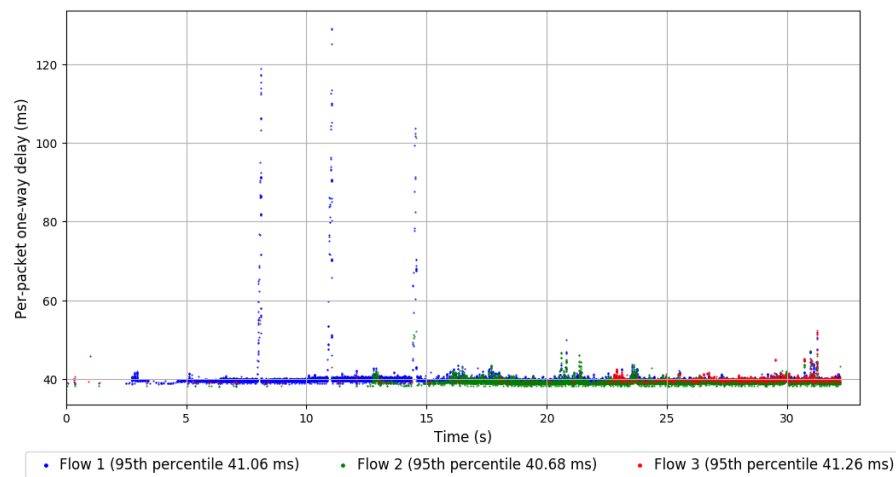
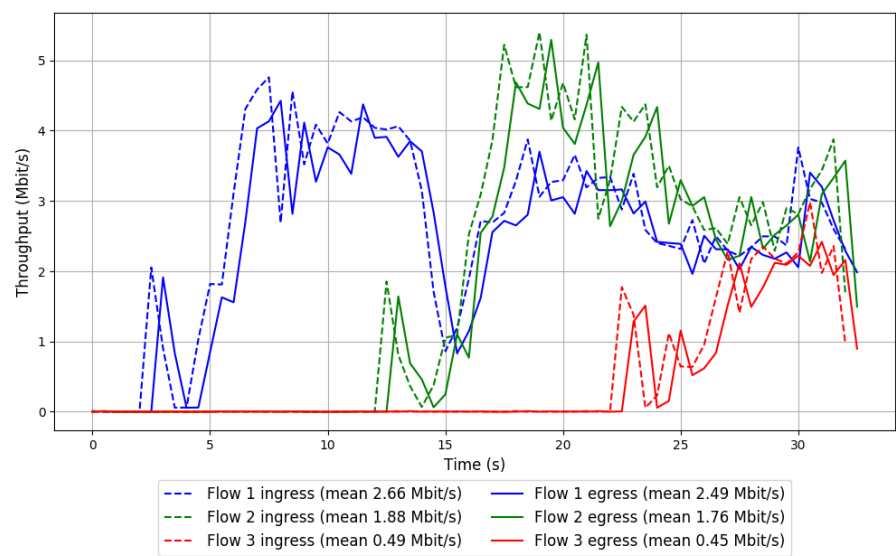


Run 2: Statistics of WebRTC media

Start at: 2018-06-30 15:17:46  
End at: 2018-06-30 15:18:16  
Local clock offset: 4.727 ms  
Remote clock offset: -11.506 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.69 Mbit/s  
95th percentile per-packet one-way delay: 40.961 ms  
Loss rate: 6.88%  
-- Flow 1:  
Average throughput: 2.49 Mbit/s  
95th percentile per-packet one-way delay: 41.064 ms  
Loss rate: 6.67%  
-- Flow 2:  
Average throughput: 1.76 Mbit/s  
95th percentile per-packet one-way delay: 40.676 ms  
Loss rate: 6.88%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 41.261 ms  
Loss rate: 8.01%

Run 2: Report of WebRTC media — Data Link

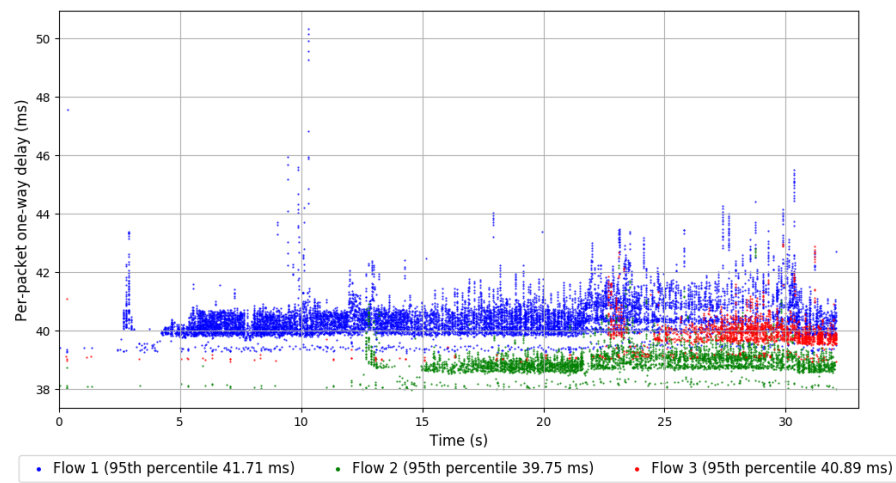
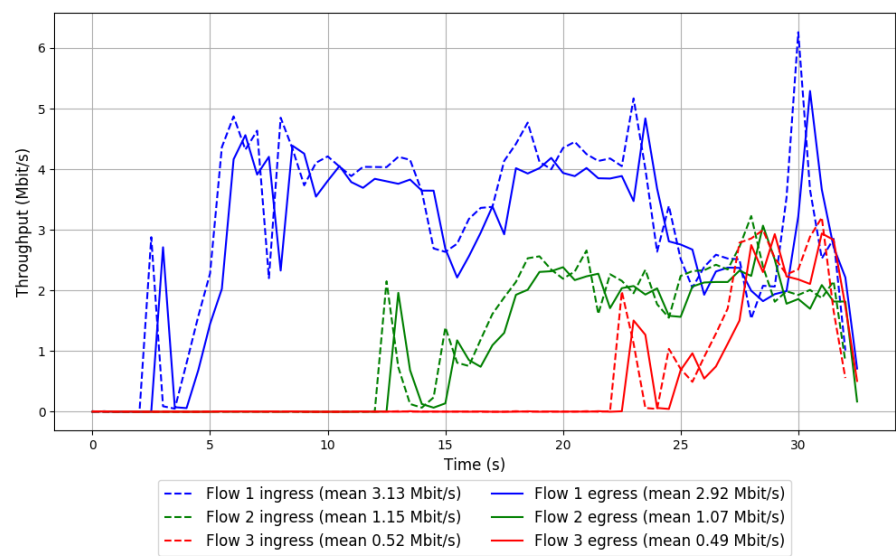


Run 3: Statistics of WebRTC media

Start at: 2018-06-30 15:52:39  
End at: 2018-06-30 15:53:09  
Local clock offset: 6.289 ms  
Remote clock offset: -10.276 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.48 Mbit/s  
95th percentile per-packet one-way delay: 41.466 ms  
Loss rate: 7.14%  
-- Flow 1:  
Average throughput: 2.92 Mbit/s  
95th percentile per-packet one-way delay: 41.708 ms  
Loss rate: 7.05%  
-- Flow 2:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 39.749 ms  
Loss rate: 7.29%  
-- Flow 3:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 40.892 ms  
Loss rate: 7.40%

Run 3: Report of WebRTC media — Data Link

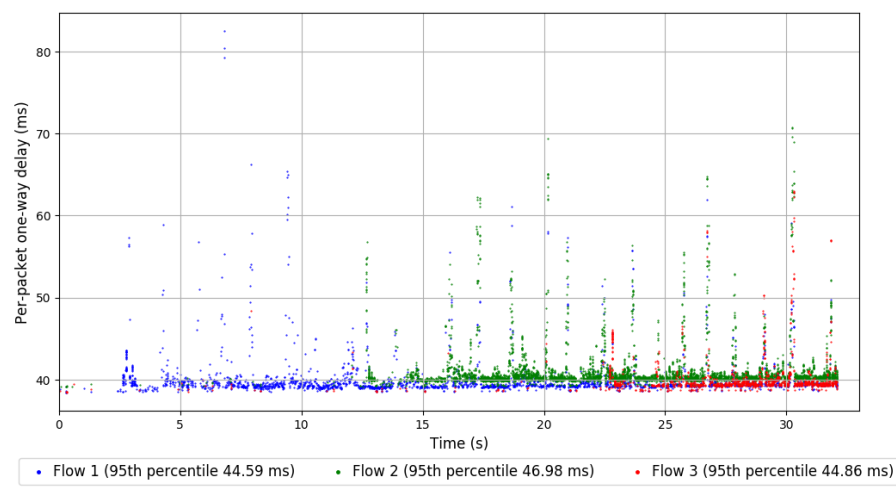
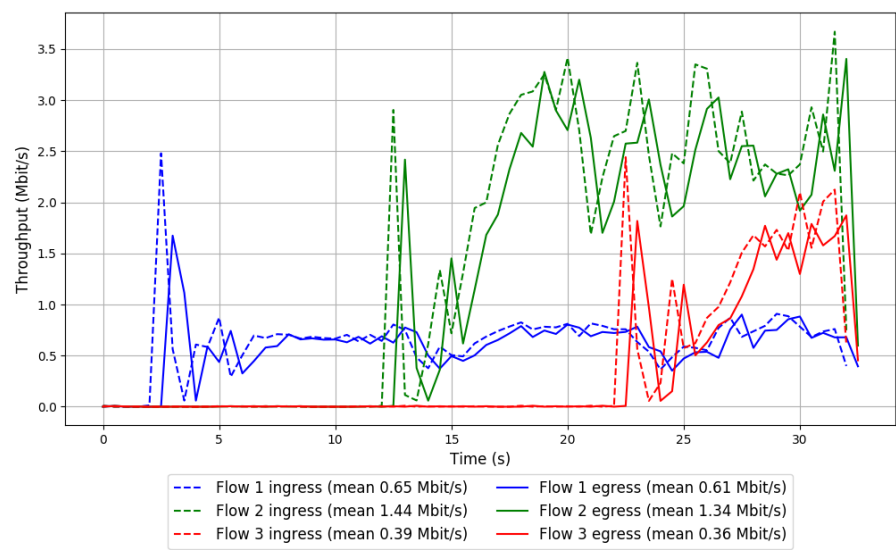


Run 4: Statistics of WebRTC media

Start at: 2018-06-30 16:25:59  
End at: 2018-06-30 16:26:29  
Local clock offset: -1.26 ms  
Remote clock offset: -9.531 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 46.013 ms  
Loss rate: 6.84%  
-- Flow 1:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 44.592 ms  
Loss rate: 5.40%  
-- Flow 2:  
Average throughput: 1.34 Mbit/s  
95th percentile per-packet one-way delay: 46.982 ms  
Loss rate: 6.95%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 44.858 ms  
Loss rate: 8.82%

Run 4: Report of WebRTC media — Data Link



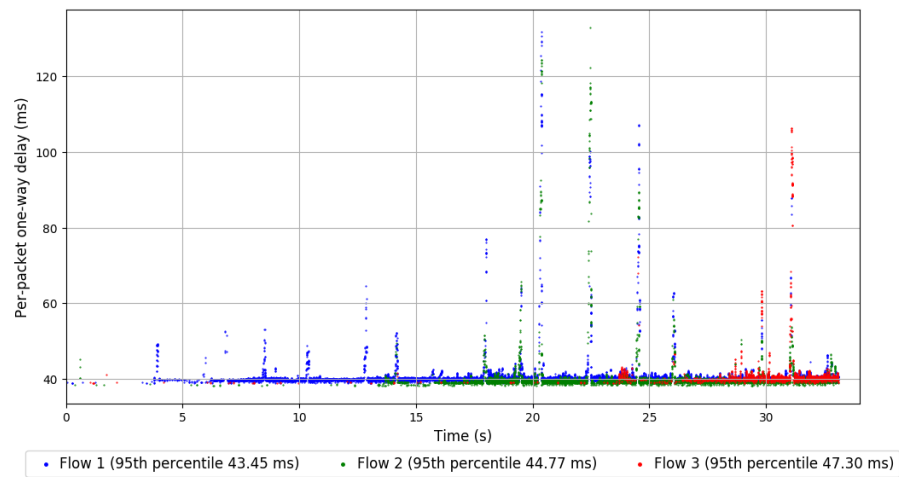
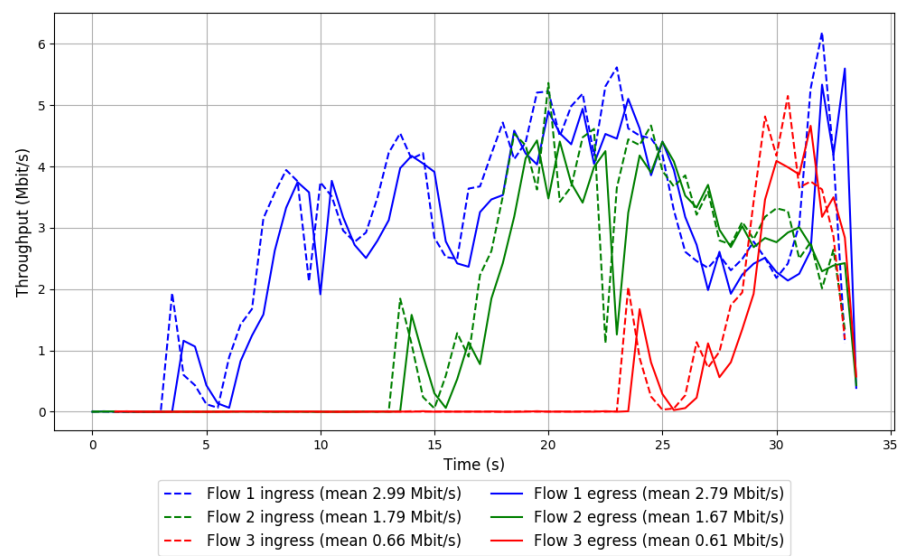
Run 5: Statistics of WebRTC media

Start at: 2018-06-30 16:58:29  
End at: 2018-06-30 16:58:59  
Local clock offset: -7.519 ms  
Remote clock offset: -10.699 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 5.04 Mbit/s  
95th percentile per-packet one-way delay: 44.123 ms  
Loss rate: 7.14%  
-- Flow 1:  
Average throughput: 2.79 Mbit/s  
95th percentile per-packet one-way delay: 43.452 ms  
Loss rate: 6.99%  
-- Flow 2:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 44.767 ms  
Loss rate: 6.85%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 47.295 ms  
Loss rate: 8.62%



Run 5: Report of WebRTC media — Data Link

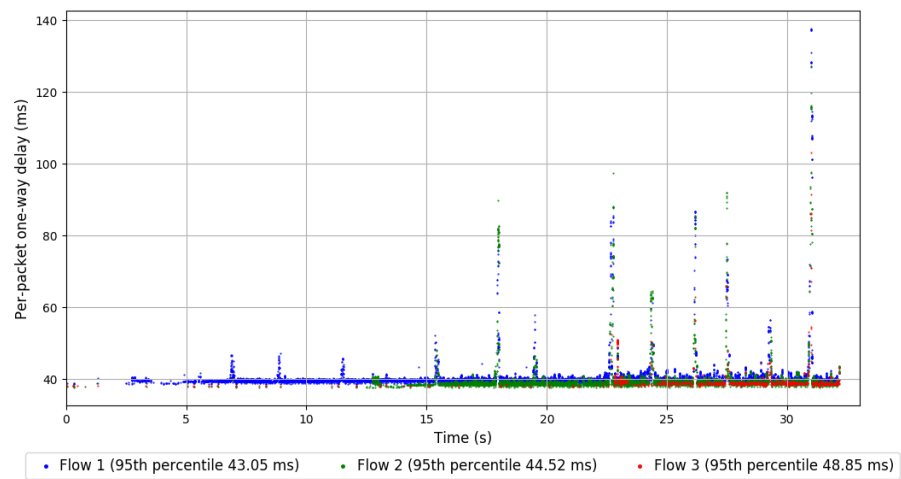
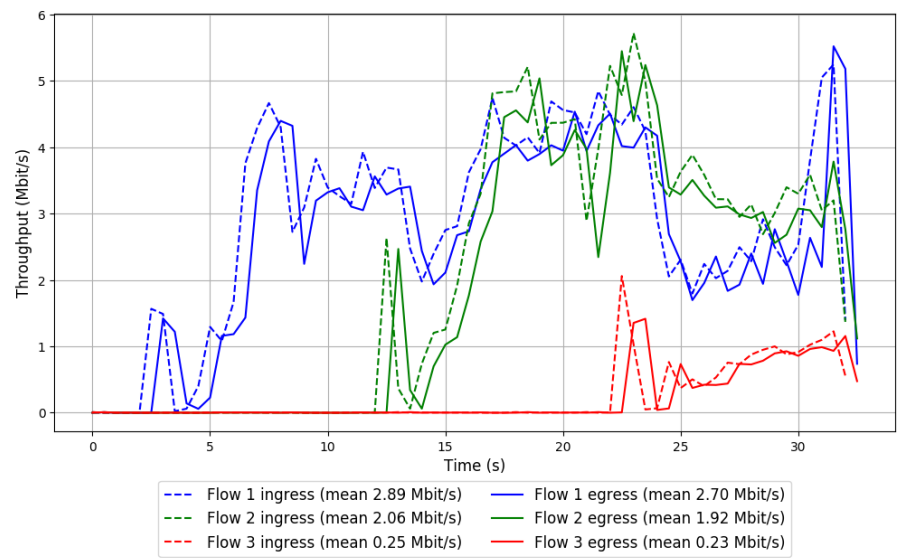


Run 6: Statistics of WebRTC media

Start at: 2018-06-30 17:31:40  
End at: 2018-06-30 17:32:10  
Local clock offset: -0.895 ms  
Remote clock offset: -8.057 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.86 Mbit/s  
95th percentile per-packet one-way delay: 43.519 ms  
Loss rate: 6.88%  
-- Flow 1:  
Average throughput: 2.70 Mbit/s  
95th percentile per-packet one-way delay: 43.051 ms  
Loss rate: 6.75%  
-- Flow 2:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 44.525 ms  
Loss rate: 7.08%  
-- Flow 3:  
Average throughput: 0.23 Mbit/s  
95th percentile per-packet one-way delay: 48.852 ms  
Loss rate: 6.83%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-30 18:05:33

End at: 2018-06-30 18:06:03

Local clock offset: 5.428 ms

Remote clock offset: -7.65 ms

# Below is generated by plot.py at 2018-06-30 19:57:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 42.076 ms

Loss rate: 7.31%

-- Flow 1:

Average throughput: 2.72 Mbit/s

95th percentile per-packet one-way delay: 42.412 ms

Loss rate: 6.93%

-- Flow 2:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 41.297 ms

Loss rate: 7.23%

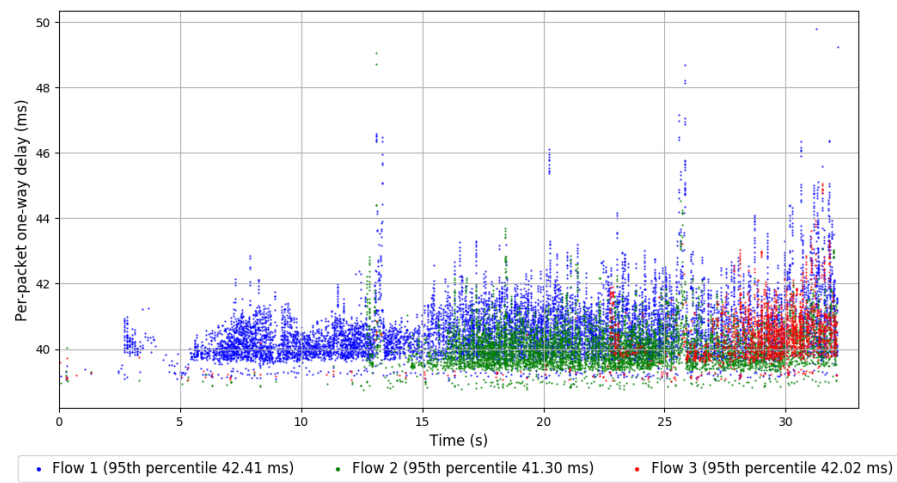
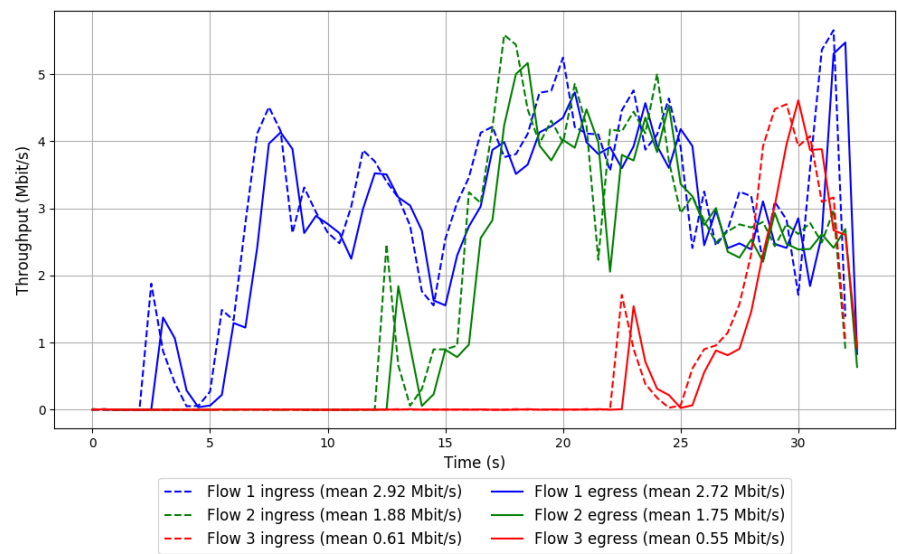
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 42.025 ms

Loss rate: 9.36%

Run 7: Report of WebRTC media — Data Link

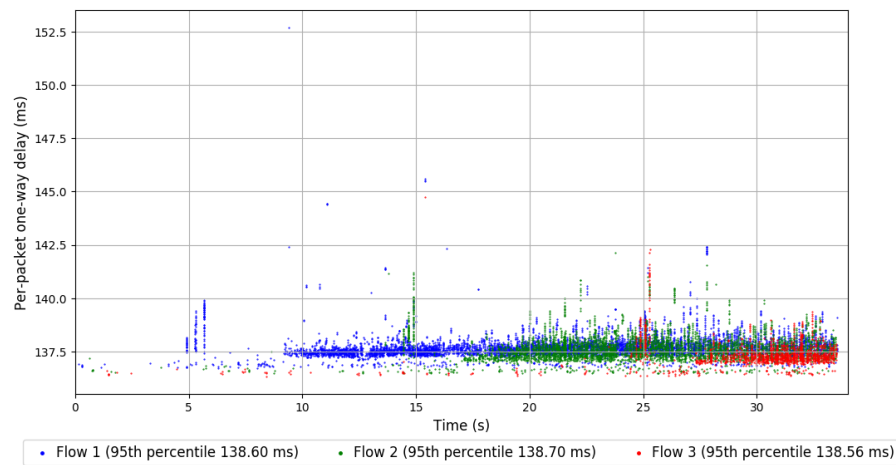
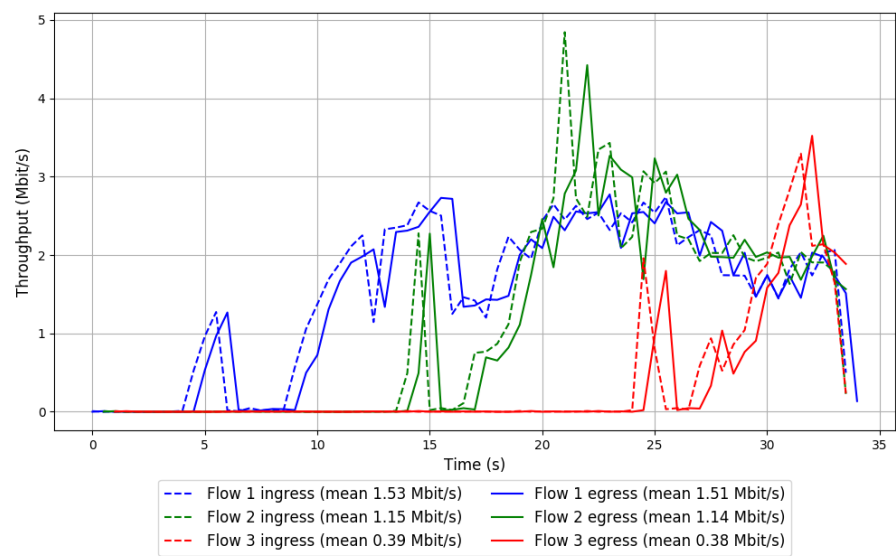


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 18:39:16  
End at: 2018-06-30 18:39:46  
Local clock offset: 5.264 ms  
Remote clock offset: -8.815 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.00 Mbit/s  
95th percentile per-packet one-way delay: 138.650 ms  
Loss rate: 1.59%  
-- Flow 1:  
Average throughput: 1.51 Mbit/s  
95th percentile per-packet one-way delay: 138.603 ms  
Loss rate: 1.57%  
-- Flow 2:  
Average throughput: 1.14 Mbit/s  
95th percentile per-packet one-way delay: 138.703 ms  
Loss rate: 1.20%  
-- Flow 3:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 138.555 ms  
Loss rate: 2.87%

Run 8: Report of WebRTC media — Data Link



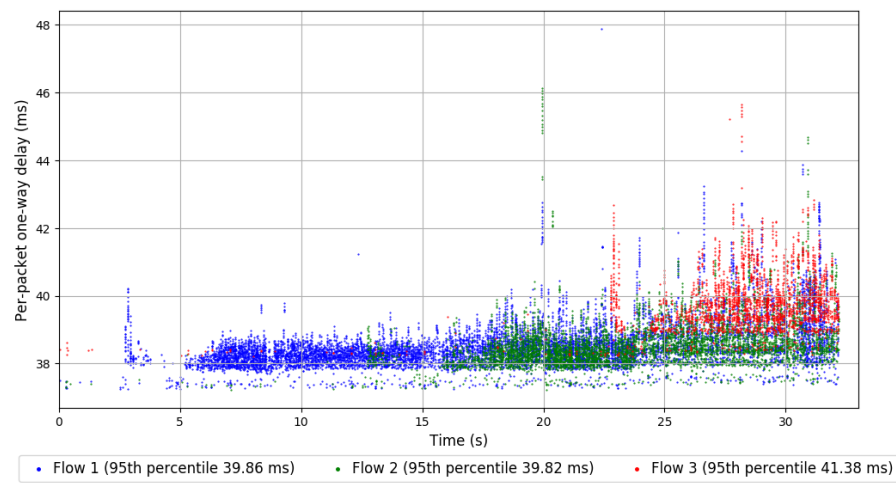
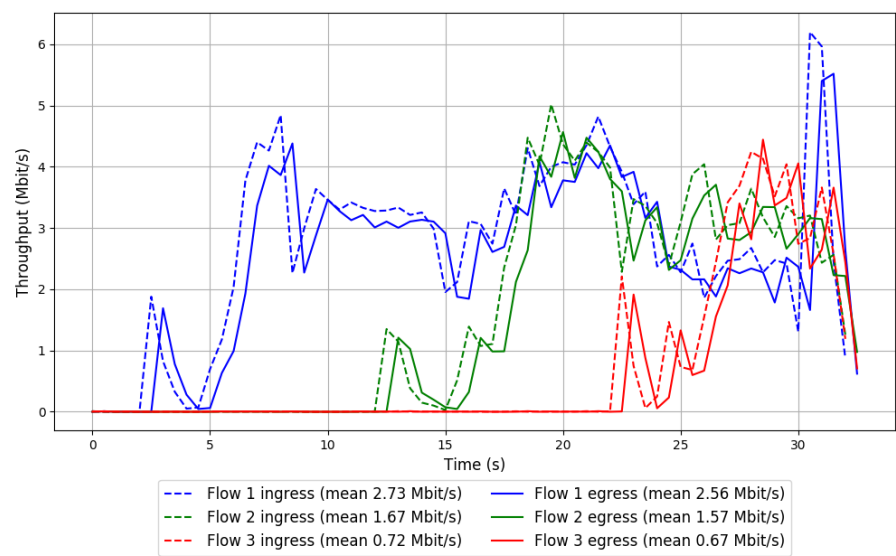
Run 9: Statistics of WebRTC media

Start at: 2018-06-30 19:13:41  
End at: 2018-06-30 19:14:11  
Local clock offset: 1.01 ms  
Remote clock offset: -8.681 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.79 Mbit/s  
95th percentile per-packet one-way delay: 40.422 ms  
Loss rate: 6.70%  
-- Flow 1:  
Average throughput: 2.56 Mbit/s  
95th percentile per-packet one-way delay: 39.861 ms  
Loss rate: 6.49%  
-- Flow 2:  
Average throughput: 1.57 Mbit/s  
95th percentile per-packet one-way delay: 39.818 ms  
Loss rate: 6.66%  
-- Flow 3:  
Average throughput: 0.67 Mbit/s  
95th percentile per-packet one-way delay: 41.379 ms  
Loss rate: 7.60%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 19:50:04  
End at: 2018-06-30 19:50:34  
Local clock offset: 2.877 ms  
Remote clock offset: -8.595 ms

# Below is generated by plot.py at 2018-06-30 19:57:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 5.05 Mbit/s  
95th percentile per-packet one-way delay: 40.853 ms  
Loss rate: 6.79%  
-- Flow 1:  
Average throughput: 2.82 Mbit/s  
95th percentile per-packet one-way delay: 40.840 ms  
Loss rate: 6.78%  
-- Flow 2:  
Average throughput: 1.59 Mbit/s  
95th percentile per-packet one-way delay: 41.040 ms  
Loss rate: 6.96%  
-- Flow 3:  
Average throughput: 0.65 Mbit/s  
95th percentile per-packet one-way delay: 39.952 ms  
Loss rate: 6.38%

Run 10: Report of WebRTC media — Data Link

