

Pantheon Report

Generated at 2018-06-30 10:04:09 (UTC).

Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney 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.

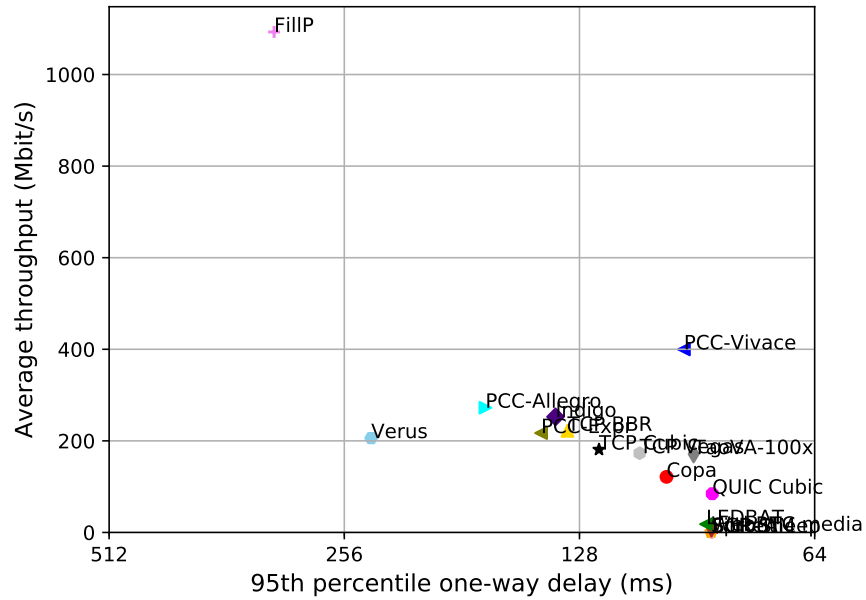
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

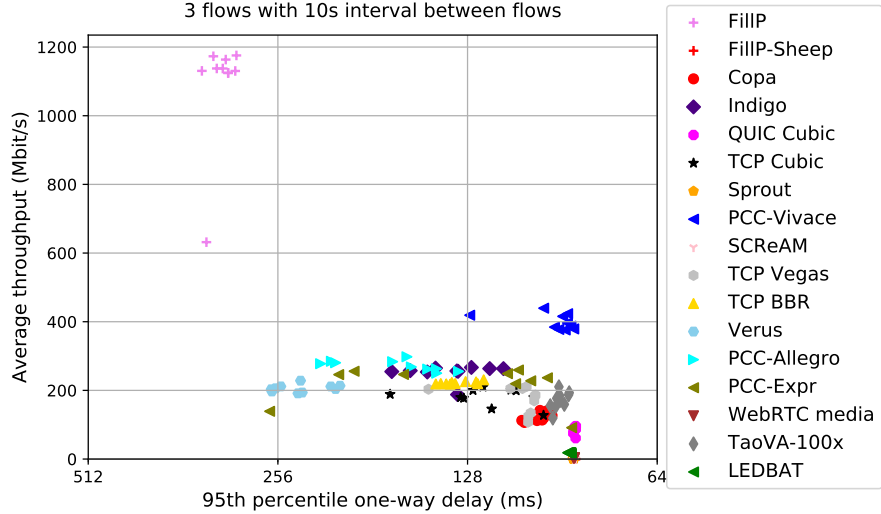
Git summary:

```
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 GCE Iowa to GCE Sydney, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Iowa to GCE Sydney, 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	116.81	109.83	98.00	128.37	132.96	138.73	0.62	1.00	2.32
Copa	10	69.50	59.23	55.67	98.98	99.29	99.67	0.44	0.44	1.24
TCP Cubic	10	104.74	75.20	80.37	118.26	120.04	125.07	0.52	1.39	2.48
FillP	10	557.38	550.17	520.69	317.26	317.91	272.67	2.79	3.02	3.56
FillP-Sheep	10	0.00	0.00	0.00	86.95	86.52	86.58	0.00	0.00	0.41
Indigo	10	147.14	125.73	67.25	130.38	138.66	145.22	0.53	0.91	2.33
LEDBAT	10	11.64	7.89	3.86	88.26	88.03	87.74	1.15	1.74	3.52
PCC-Allegro	10	237.38	43.91	17.94	168.98	165.66	146.20	1.05	1.01	1.96
PCC-Expr	10	141.70	94.72	38.54	138.72	155.72	159.90	0.93	1.69	2.95
QUIC Cubic	10	46.02	39.49	37.39	86.44	86.62	86.88	0.57	1.10	2.44
SCReAM	10	0.22	0.22	0.22	86.46	86.47	86.44	0.52	0.89	1.74
Sprout	10	0.28	0.32	0.30	86.85	86.85	86.91	0.46	0.71	1.74
TaoVA-100x	10	117.28	75.02	65.42	90.55	94.18	93.02	0.41	0.65	2.05
TCP Vegas	10	99.31	80.88	61.15	105.14	106.49	107.60	0.50	1.01	2.77
Verus	10	121.82	95.95	64.35	223.17	236.10	244.83	1.42	3.19	4.20
PCC-Vivace	10	230.20	190.48	132.78	102.90	88.49	97.76	0.63	1.13	2.51
WebRTC media	10	1.94	1.25	0.46	86.71	86.63	86.74	0.73	1.43	2.70

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 04:34:55

End at: 2018-06-30 04:35:25

Local clock offset: 0.161 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-30 08:28:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.99 Mbit/s

95th percentile per-packet one-way delay: 141.155 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 117.73 Mbit/s

95th percentile per-packet one-way delay: 136.868 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 107.15 Mbit/s

95th percentile per-packet one-way delay: 141.587 ms

Loss rate: 0.98%

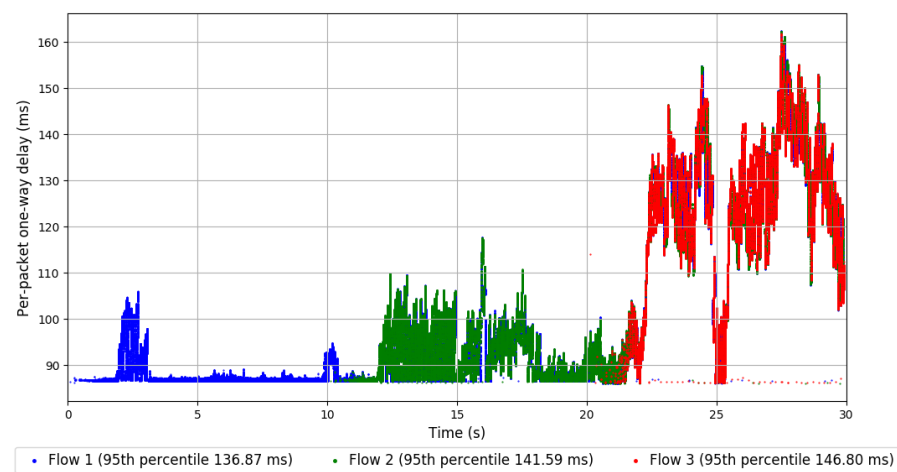
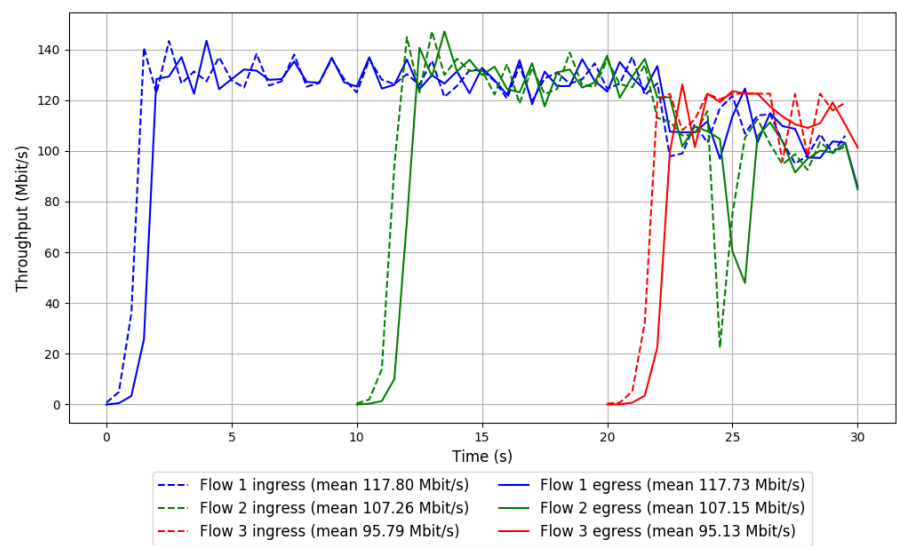
-- Flow 3:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 146.800 ms

Loss rate: 2.68%

Run 1: Report of TCP BBR — Data Link

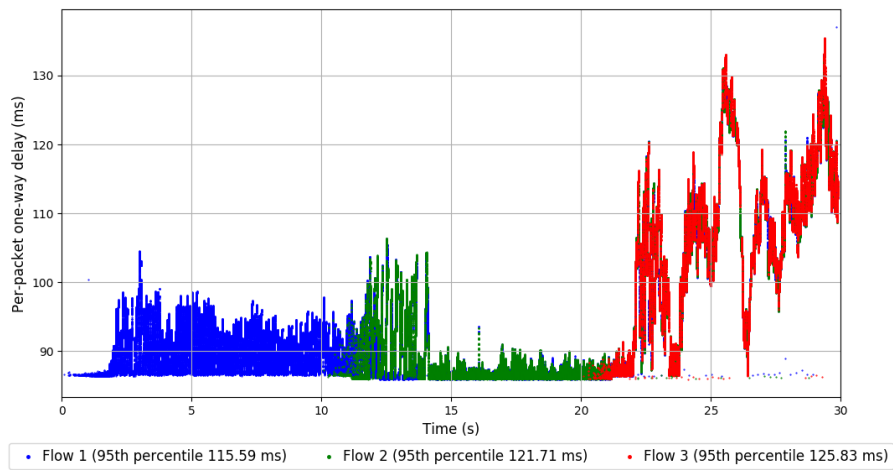
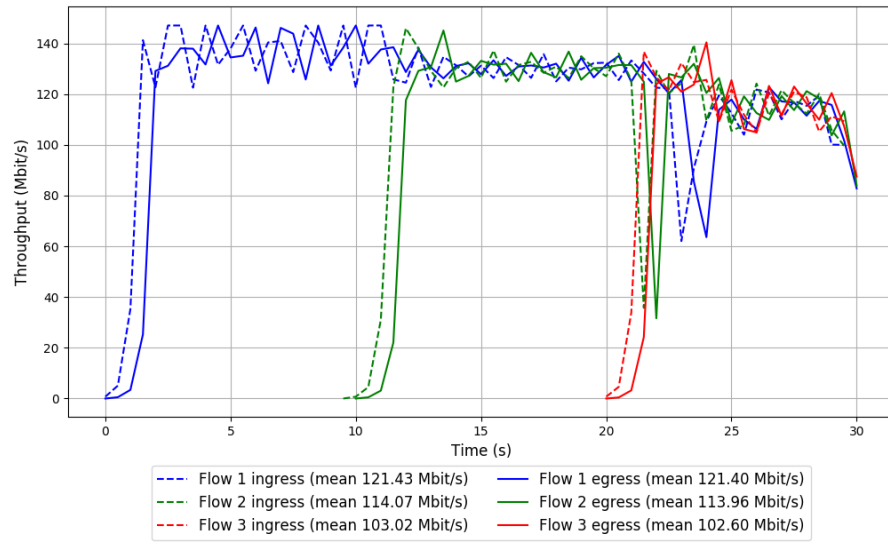


Run 2: Statistics of TCP BBR

Start at: 2018-06-30 04:58:35
End at: 2018-06-30 04:59:05
Local clock offset: 0.096 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-30 08:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.81 Mbit/s
95th percentile per-packet one-way delay: 120.681 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 121.40 Mbit/s
95th percentile per-packet one-way delay: 115.589 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 113.96 Mbit/s
95th percentile per-packet one-way delay: 121.707 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 102.60 Mbit/s
95th percentile per-packet one-way delay: 125.834 ms
Loss rate: 2.14%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 05:22:17

End at: 2018-06-30 05:22:47

Local clock offset: 0.167 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-30 08:28:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.61 Mbit/s

95th percentile per-packet one-way delay: 128.925 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 117.96 Mbit/s

95th percentile per-packet one-way delay: 124.691 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 111.62 Mbit/s

95th percentile per-packet one-way delay: 128.492 ms

Loss rate: 1.03%

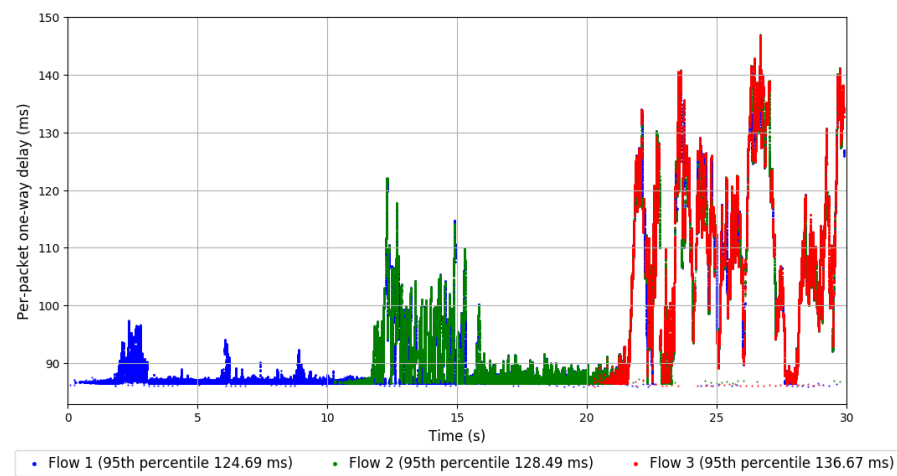
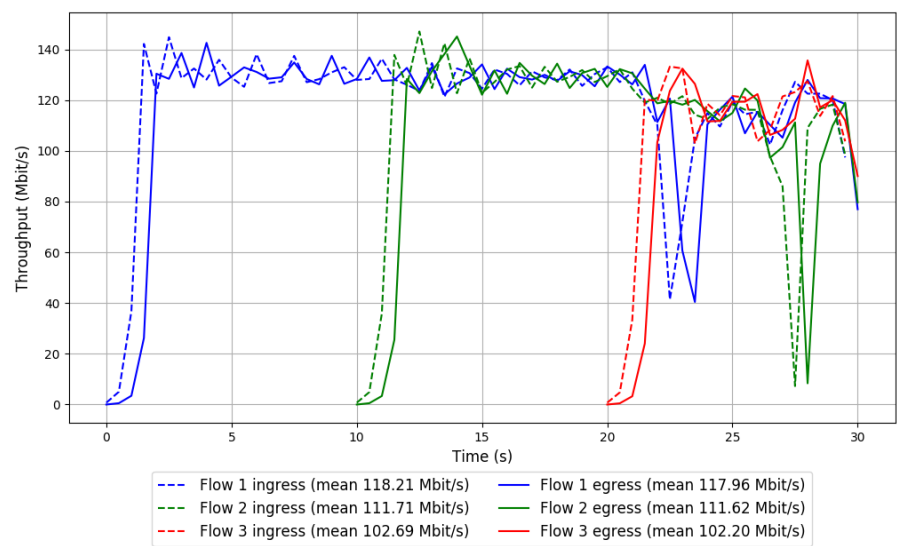
-- Flow 3:

Average throughput: 102.20 Mbit/s

95th percentile per-packet one-way delay: 136.666 ms

Loss rate: 2.23%

Run 3: Report of TCP BBR — Data Link

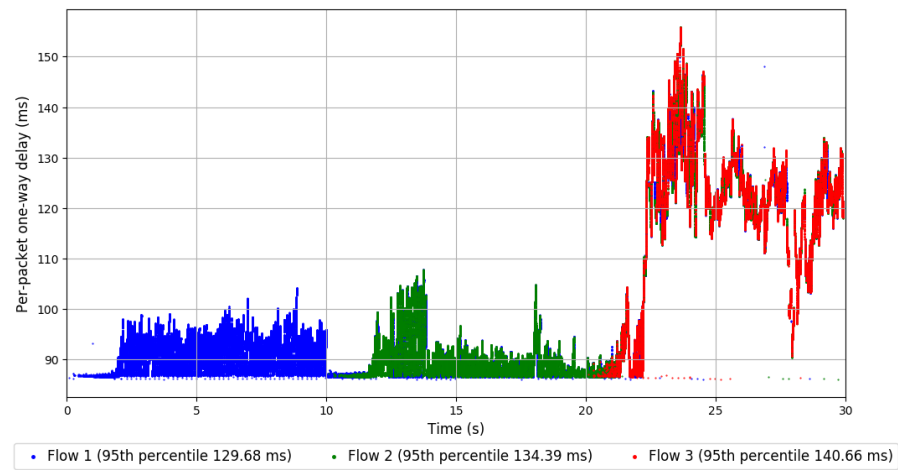
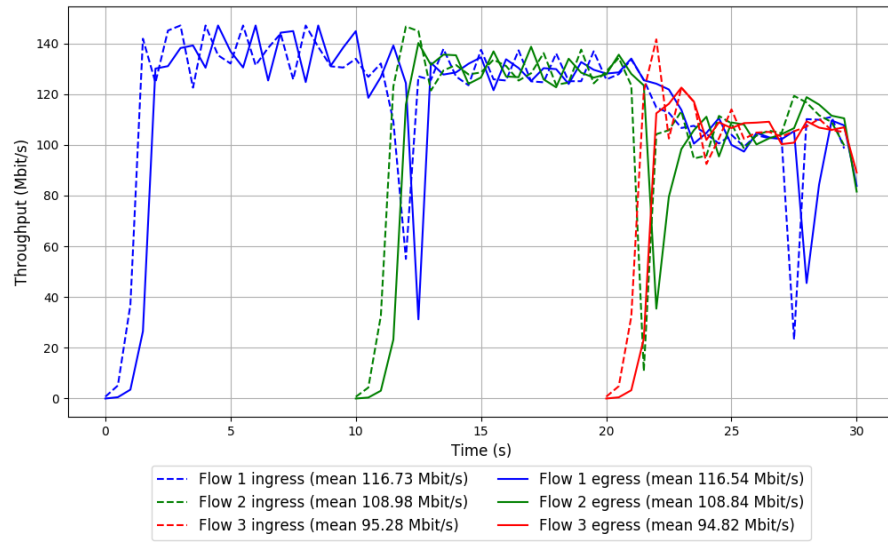


Run 4: Statistics of TCP BBR

Start at: 2018-06-30 05:46:02
End at: 2018-06-30 05:46:32
Local clock offset: 0.263 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-30 08:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.02 Mbit/s
95th percentile per-packet one-way delay: 133.925 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 116.54 Mbit/s
95th percentile per-packet one-way delay: 129.676 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 108.84 Mbit/s
95th percentile per-packet one-way delay: 134.392 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 140.664 ms
Loss rate: 2.21%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-30 06:09:49

End at: 2018-06-30 06:10:19

Local clock offset: 0.223 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-06-30 08:28:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.66 Mbit/s

95th percentile per-packet one-way delay: 124.081 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 119.34 Mbit/s

95th percentile per-packet one-way delay: 119.867 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 110.29 Mbit/s

95th percentile per-packet one-way delay: 124.521 ms

Loss rate: 1.09%

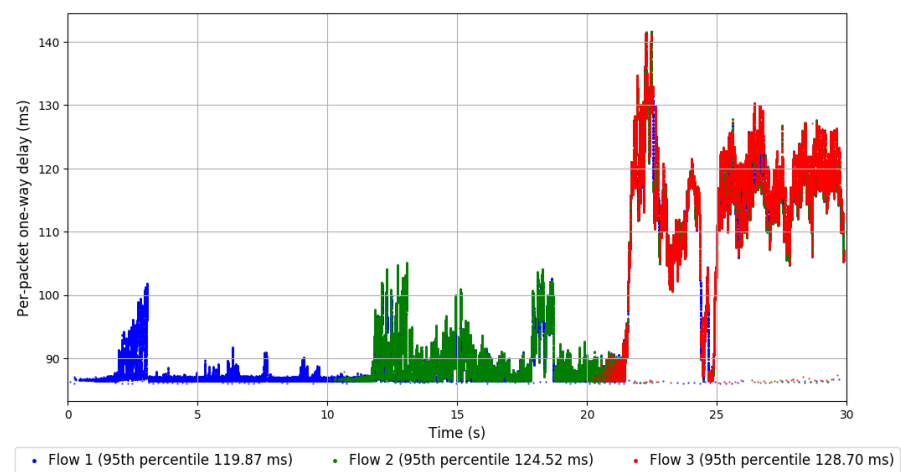
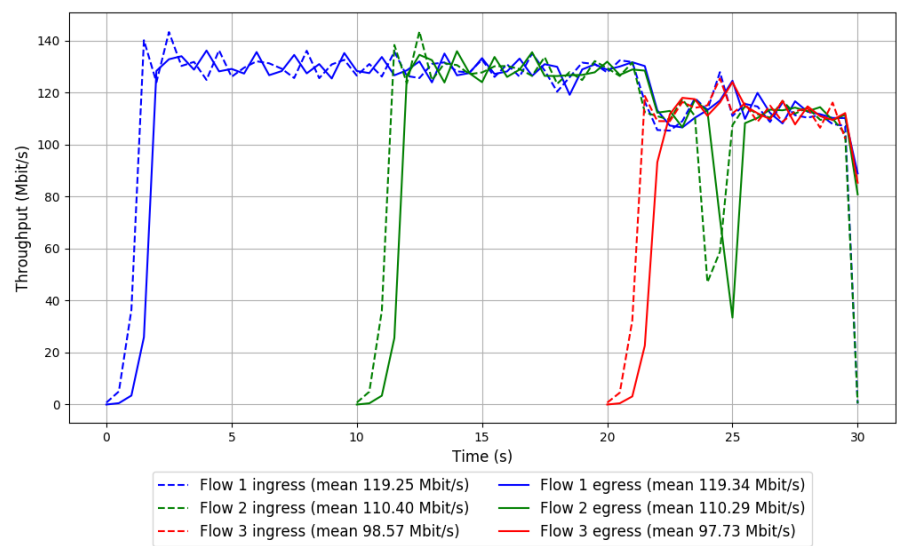
-- Flow 3:

Average throughput: 97.73 Mbit/s

95th percentile per-packet one-way delay: 128.699 ms

Loss rate: 2.32%

Run 5: Report of TCP BBR — Data Link

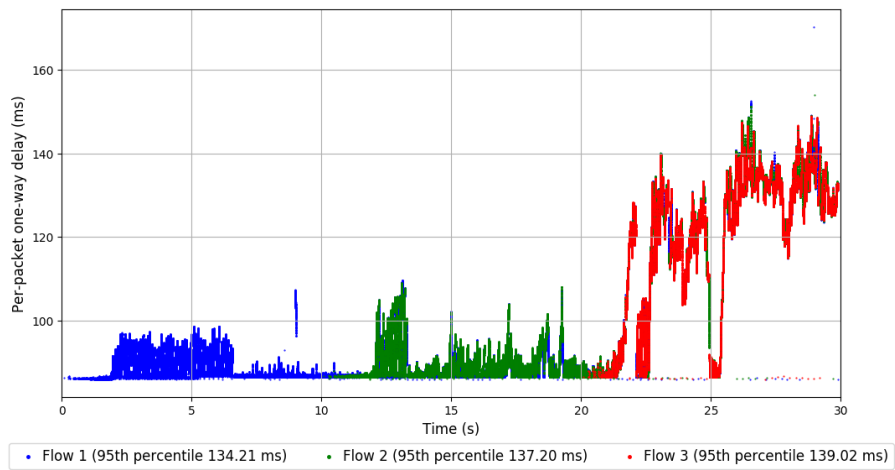
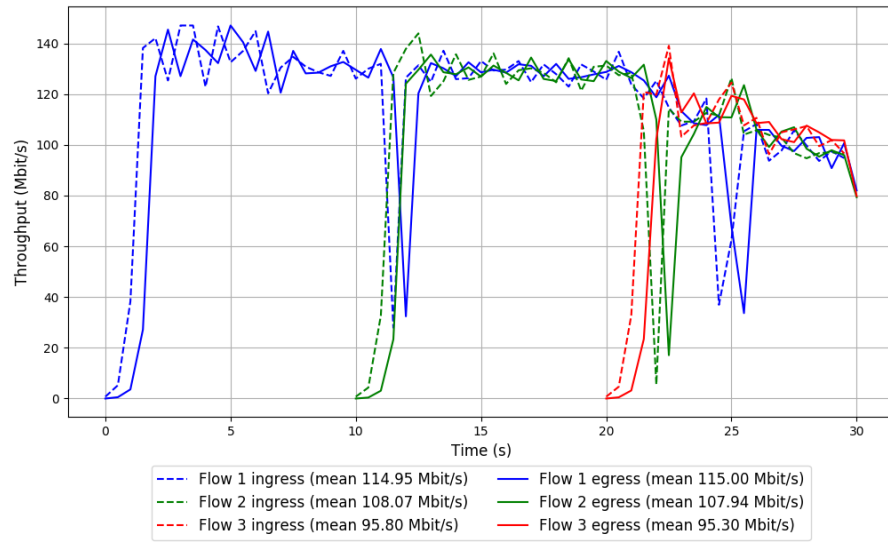


Run 6: Statistics of TCP BBR

Start at: 2018-06-30 06:33:21
End at: 2018-06-30 06:33:51
Local clock offset: 0.048 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-30 08:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.04 Mbit/s
95th percentile per-packet one-way delay: 136.420 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 115.00 Mbit/s
95th percentile per-packet one-way delay: 134.214 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 107.94 Mbit/s
95th percentile per-packet one-way delay: 137.200 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 139.023 ms
Loss rate: 2.24%

Run 6: Report of TCP BBR — Data Link

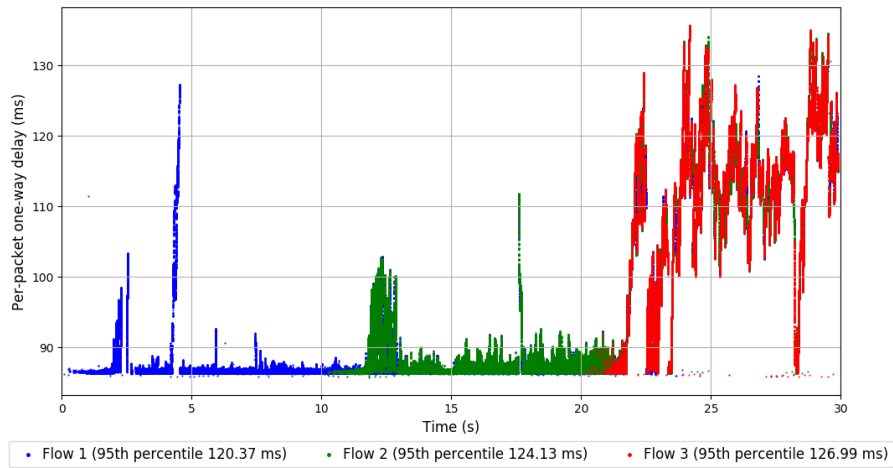
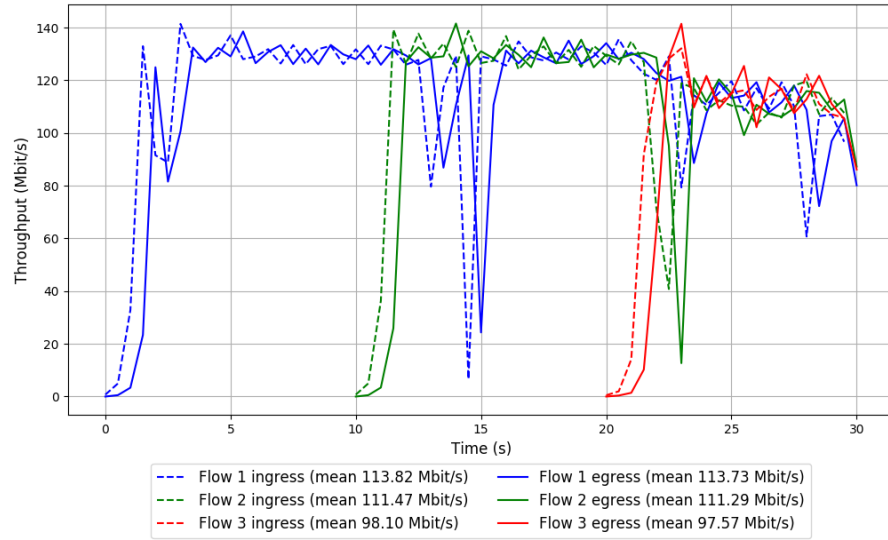


Run 7: Statistics of TCP BBR

Start at: 2018-06-30 06:57:12
End at: 2018-06-30 06:57:42
Local clock offset: -0.007 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-30 08:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.72 Mbit/s
95th percentile per-packet one-way delay: 123.372 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 113.73 Mbit/s
95th percentile per-packet one-way delay: 120.370 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 111.29 Mbit/s
95th percentile per-packet one-way delay: 124.126 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 97.57 Mbit/s
95th percentile per-packet one-way delay: 126.987 ms
Loss rate: 2.35%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 07:21:15

End at: 2018-06-30 07:21:45

Local clock offset: -0.015 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-30 08:28:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 138.365 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 115.60 Mbit/s

95th percentile per-packet one-way delay: 132.916 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 106.18 Mbit/s

95th percentile per-packet one-way delay: 138.472 ms

Loss rate: 1.02%

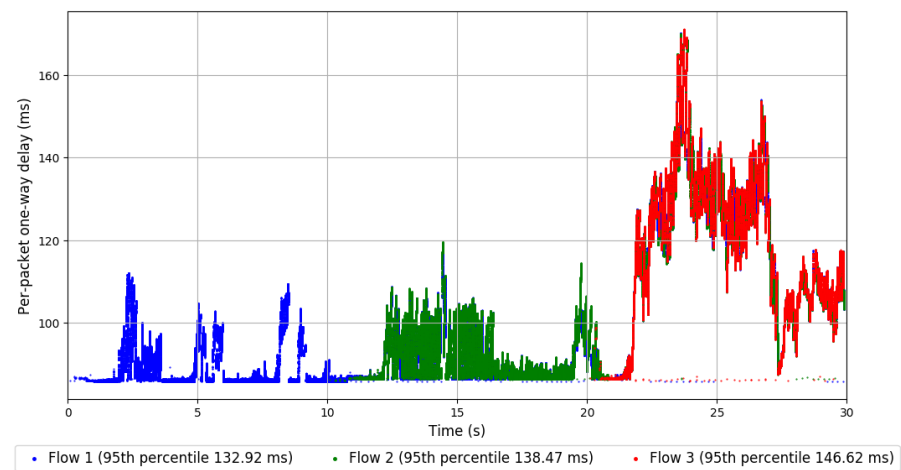
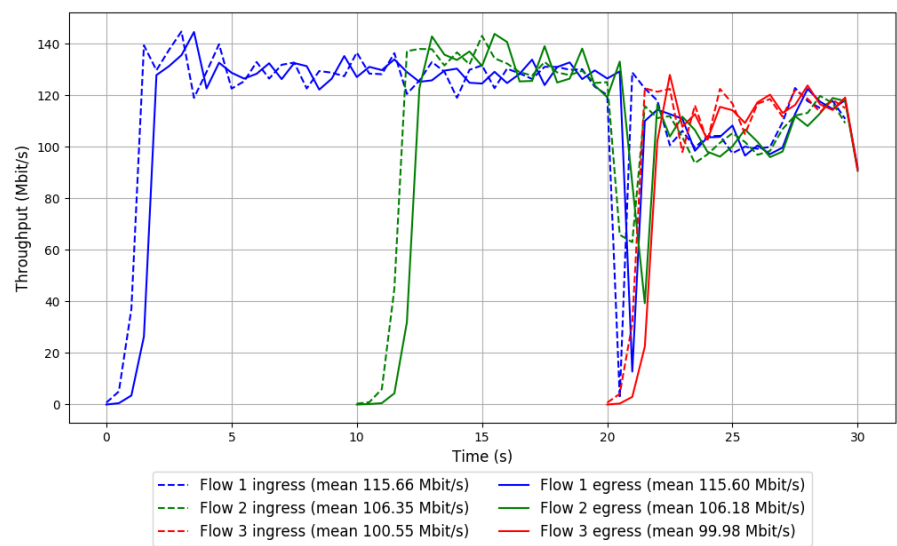
-- Flow 3:

Average throughput: 99.98 Mbit/s

95th percentile per-packet one-way delay: 146.617 ms

Loss rate: 2.41%

Run 8: Report of TCP BBR — Data Link

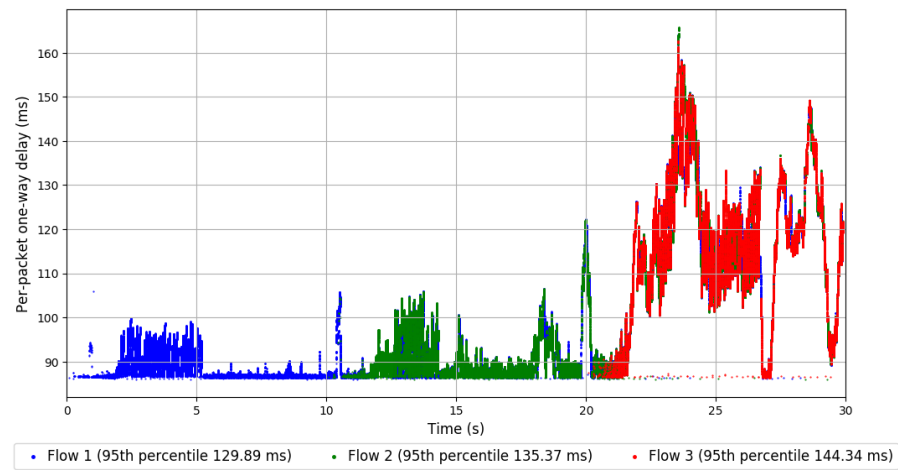
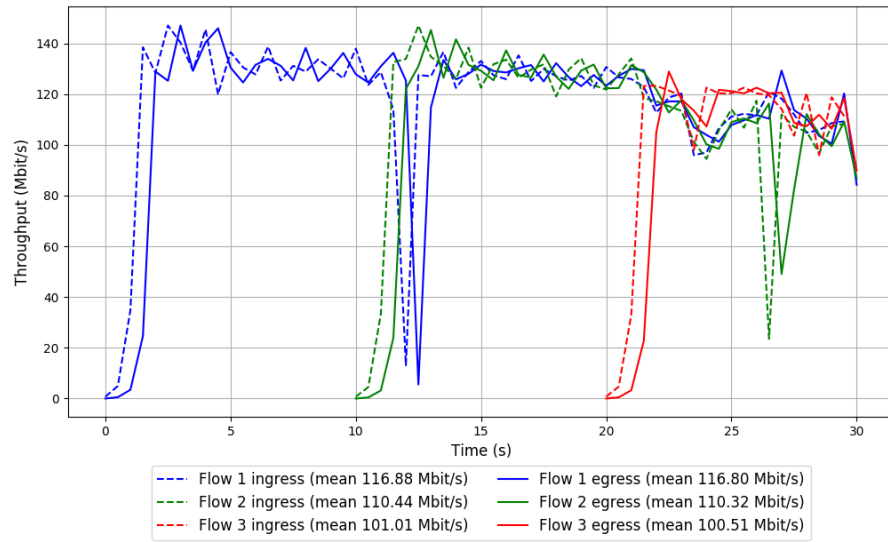


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 07:44:55
End at: 2018-06-30 07:45:25
Local clock offset: 0.077 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-30 08:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.09 Mbit/s
95th percentile per-packet one-way delay: 135.554 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 116.80 Mbit/s
95th percentile per-packet one-way delay: 129.890 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 110.32 Mbit/s
95th percentile per-packet one-way delay: 135.366 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 100.51 Mbit/s
95th percentile per-packet one-way delay: 144.338 ms
Loss rate: 2.24%

Run 9: Report of TCP BBR — Data Link

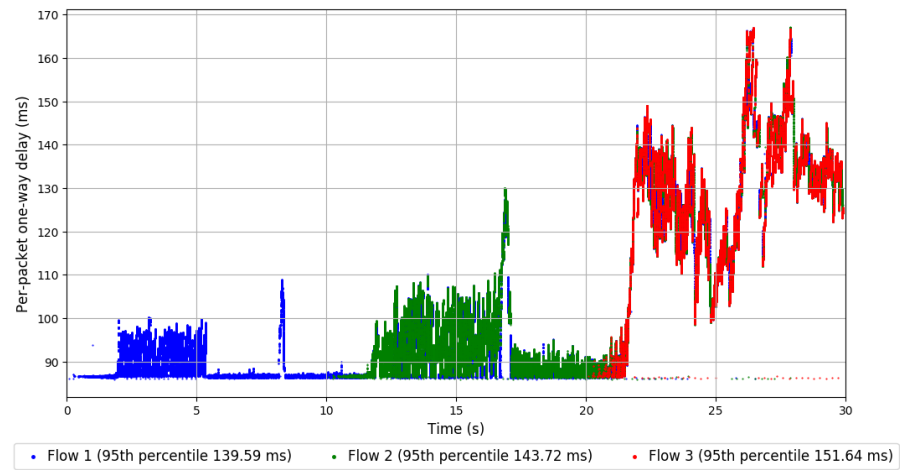
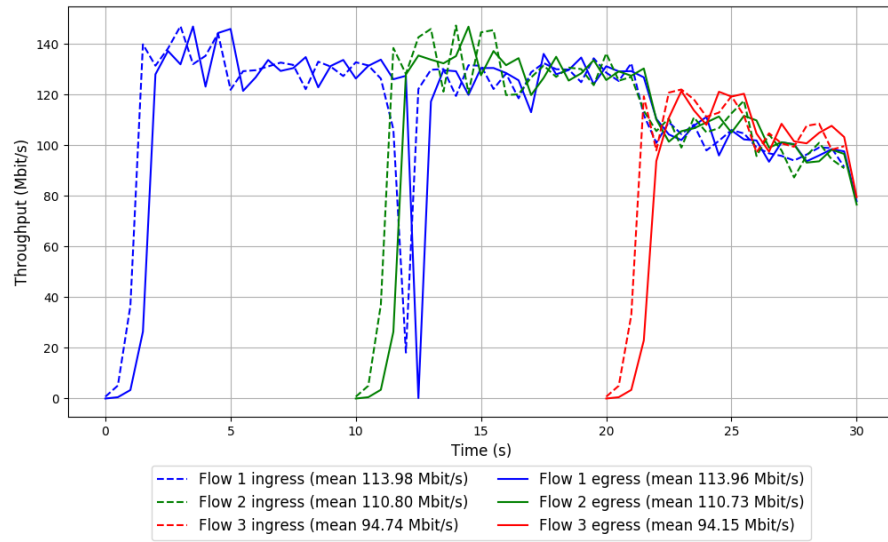


Run 10: Statistics of TCP BBR

Start at: 2018-06-30 08:08:51
End at: 2018-06-30 08:09:21
Local clock offset: 0.069 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-06-30 08:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.46 Mbit/s
95th percentile per-packet one-way delay: 143.753 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 113.96 Mbit/s
95th percentile per-packet one-way delay: 139.585 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 110.73 Mbit/s
95th percentile per-packet one-way delay: 143.721 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 151.644 ms
Loss rate: 2.36%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-30 04:30:52

End at: 2018-06-30 04:31:22

Local clock offset: -0.006 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-30 08:32:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.03 Mbit/s

95th percentile per-packet one-way delay: 96.906 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 82.86 Mbit/s

95th percentile per-packet one-way delay: 95.858 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.90 Mbit/s

95th percentile per-packet one-way delay: 100.117 ms

Loss rate: 0.00%

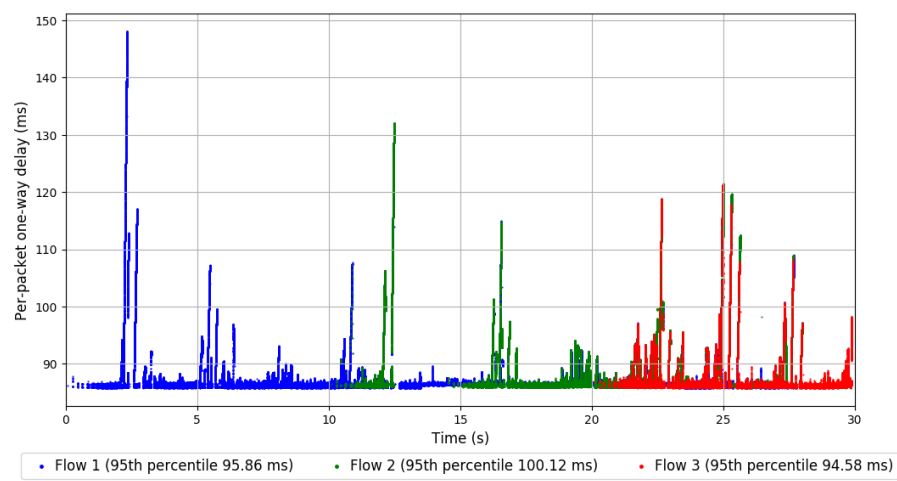
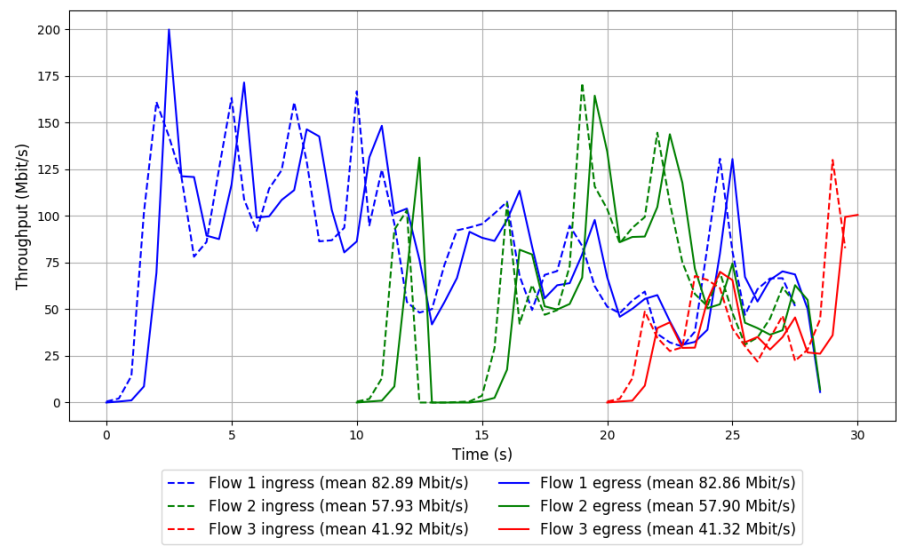
-- Flow 3:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 94.580 ms

Loss rate: 2.86%

Run 1: Report of Copa — Data Link

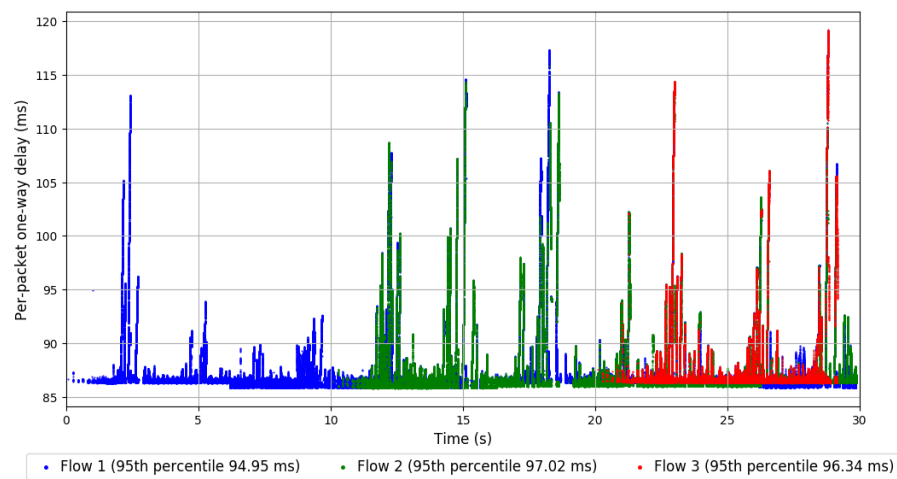
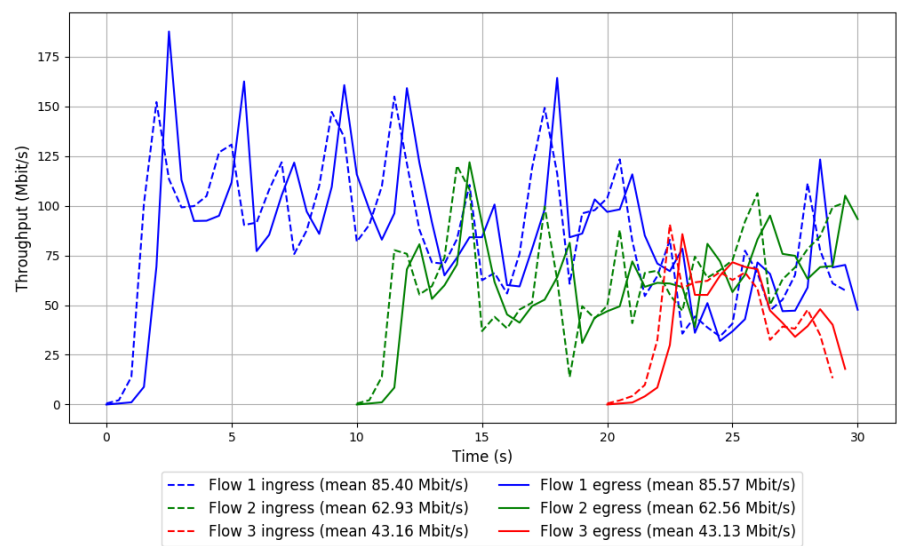


Run 2: Statistics of Copa

Start at: 2018-06-30 04:54:30
End at: 2018-06-30 04:55:00
Local clock offset: 0.106 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-06-30 08:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.14 Mbit/s
95th percentile per-packet one-way delay: 95.825 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 94.955 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 62.56 Mbit/s
95th percentile per-packet one-way delay: 97.019 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 96.337 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

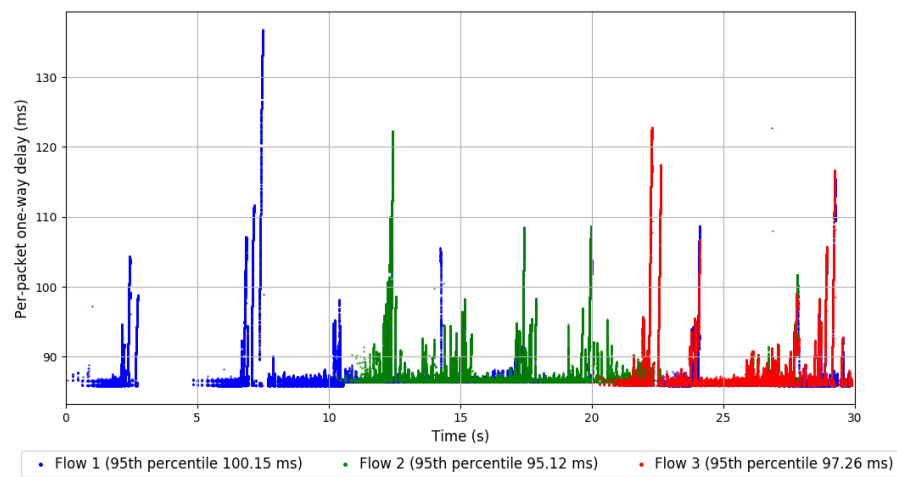
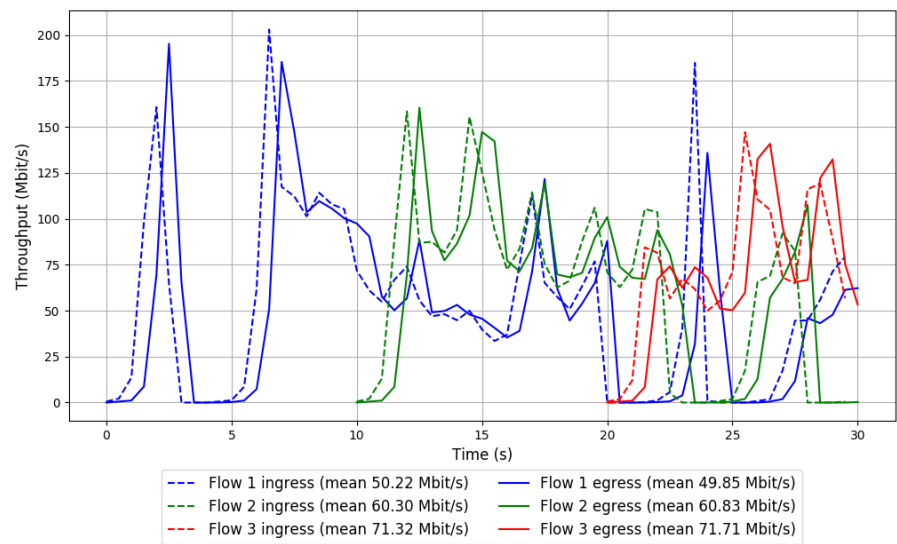


Run 3: Statistics of Copa

Start at: 2018-06-30 05:18:15
End at: 2018-06-30 05:18:45
Local clock offset: 0.096 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-30 08:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.74 Mbit/s
95th percentile per-packet one-way delay: 97.450 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 100.150 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 95.121 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 97.260 ms
Loss rate: 1.32%

Run 3: Report of Copa — Data Link

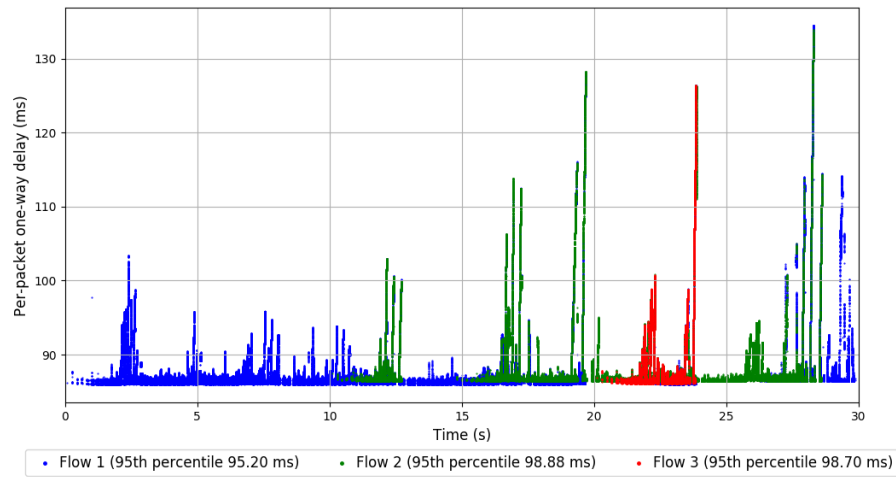
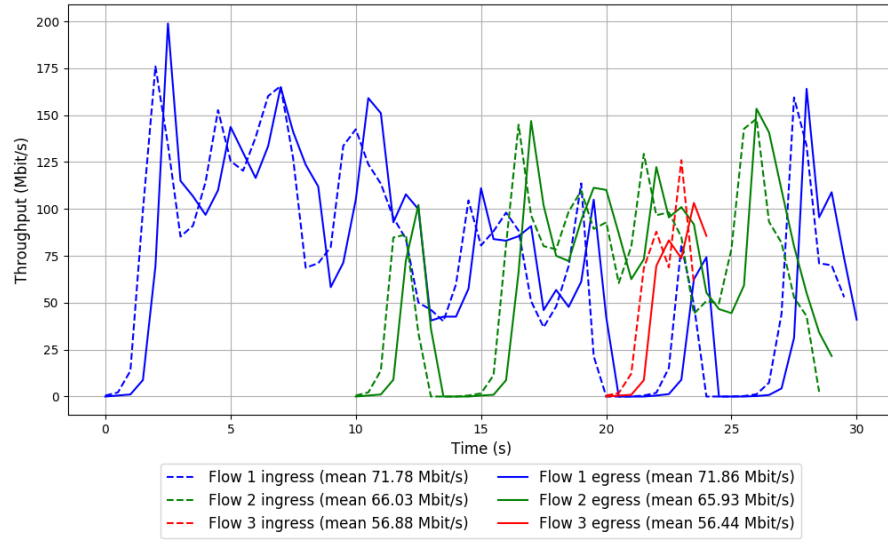


Run 4: Statistics of Copa

Start at: 2018-06-30 05:42:02
End at: 2018-06-30 05:42:32
Local clock offset: 0.053 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-30 08:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.01 Mbit/s
95th percentile per-packet one-way delay: 96.880 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 95.200 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 65.93 Mbit/s
95th percentile per-packet one-way delay: 98.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 98.705 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-30 06:05:49

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

Local clock offset: -0.06 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-30 08:33:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.71 Mbit/s

95th percentile per-packet one-way delay: 103.975 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 108.282 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 61.72 Mbit/s

95th percentile per-packet one-way delay: 95.970 ms

Loss rate: 1.69%

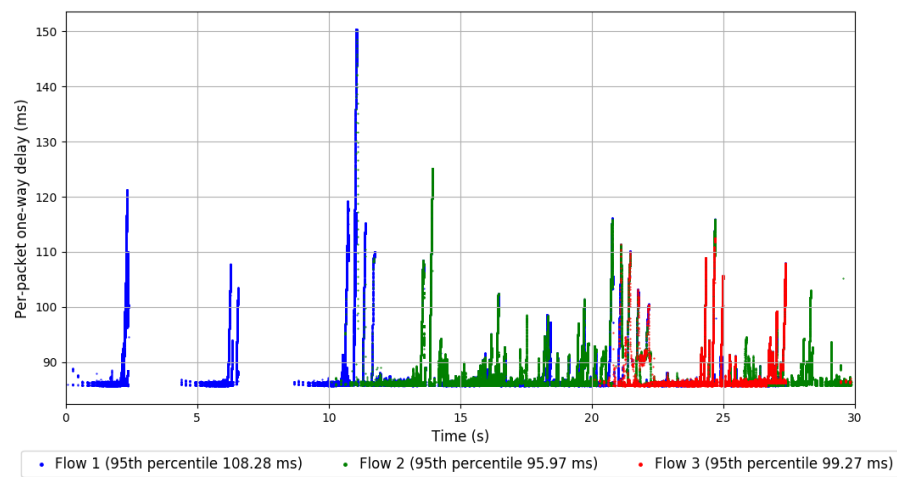
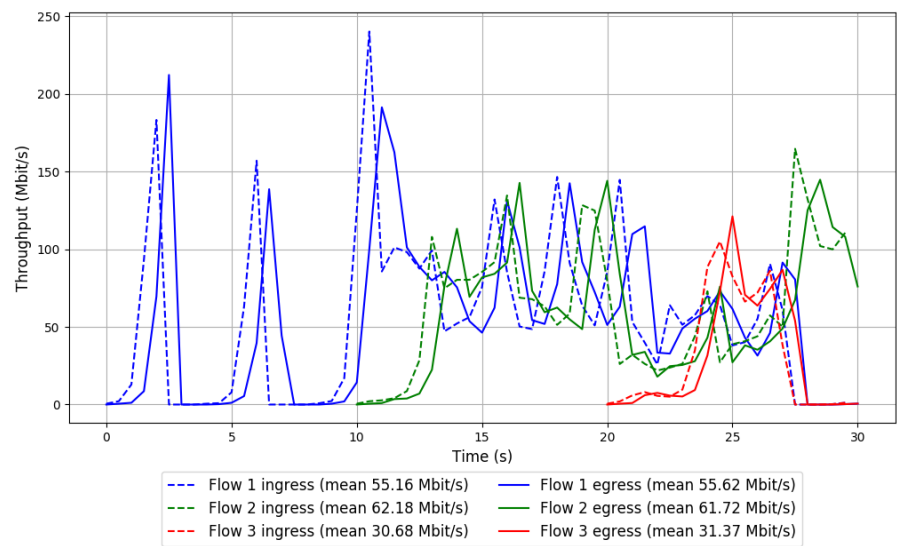
-- Flow 3:

Average throughput: 31.37 Mbit/s

95th percentile per-packet one-way delay: 99.268 ms

Loss rate: 0.09%

Run 5: Report of Copa — Data Link

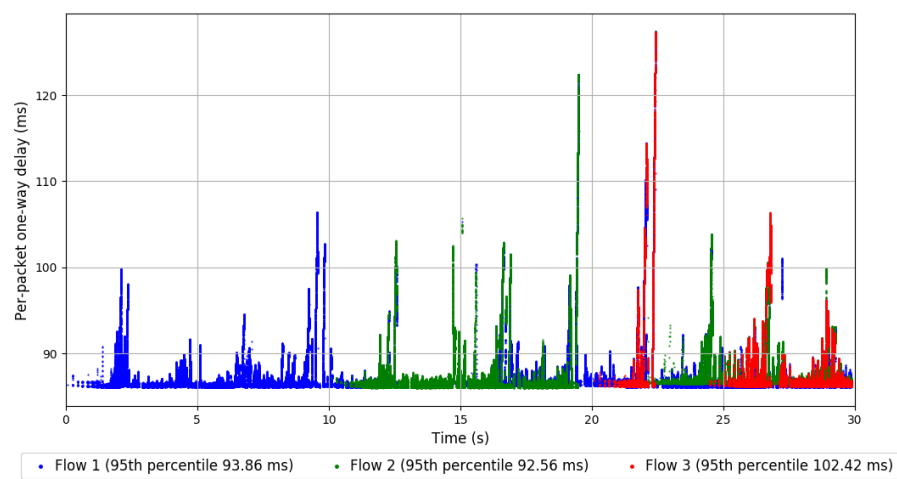
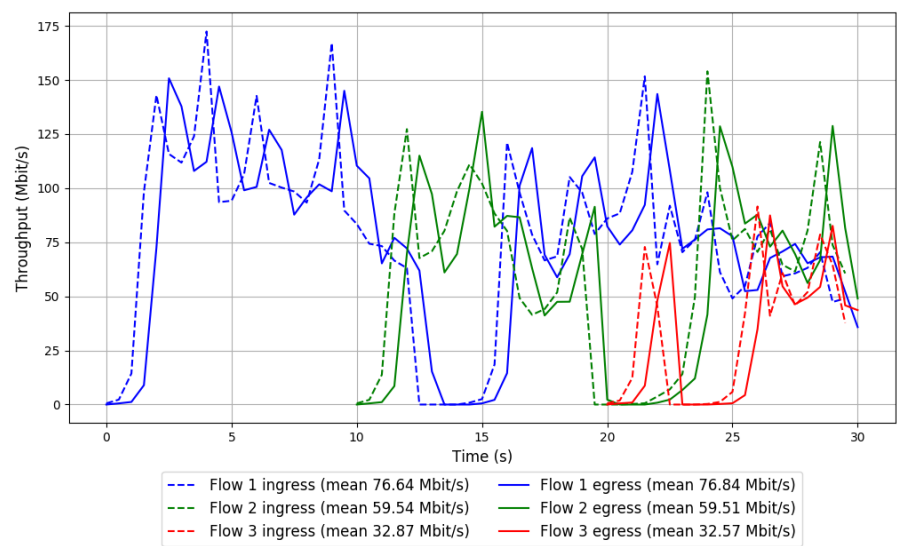


Run 6: Statistics of Copa

Start at: 2018-06-30 06:29:15
End at: 2018-06-30 06:29:45
Local clock offset: 0.23 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-30 08:33:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.95 Mbit/s
95th percentile per-packet one-way delay: 93.998 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 93.862 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 92.555 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 102.419 ms
Loss rate: 2.63%

Run 6: Report of Copa — Data Link

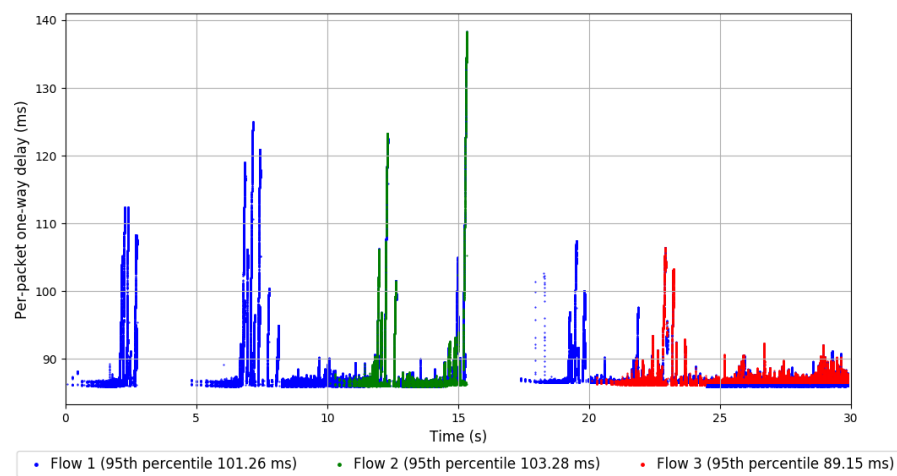
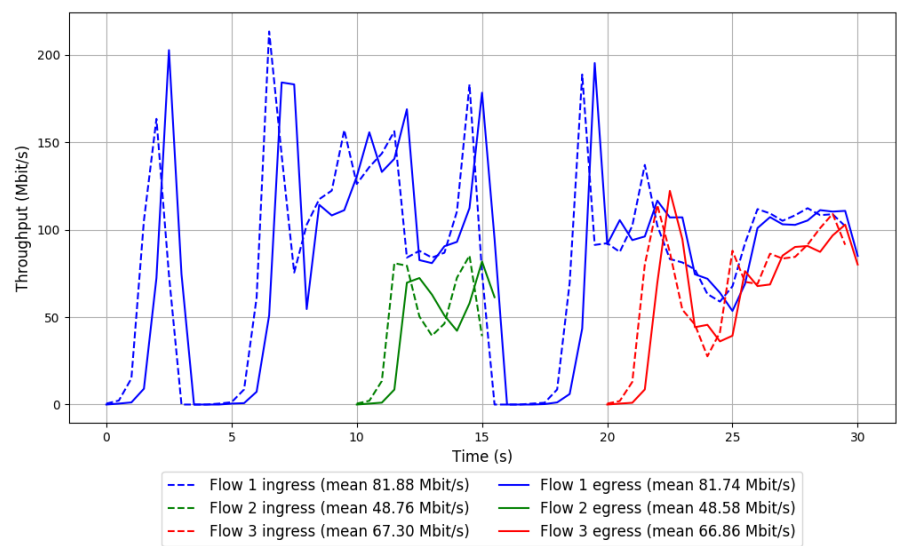


Run 7: Statistics of Copa

Start at: 2018-06-30 06:53:11
End at: 2018-06-30 06:53:41
Local clock offset: 0.109 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-30 08:36:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.22 Mbit/s
95th percentile per-packet one-way delay: 99.291 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 101.264 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 103.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 89.153 ms
Loss rate: 2.39%

Run 7: Report of Copa — Data Link

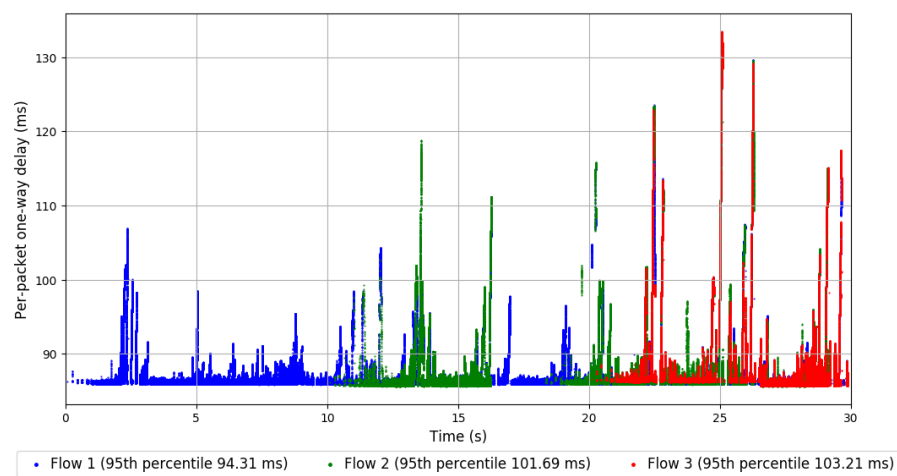
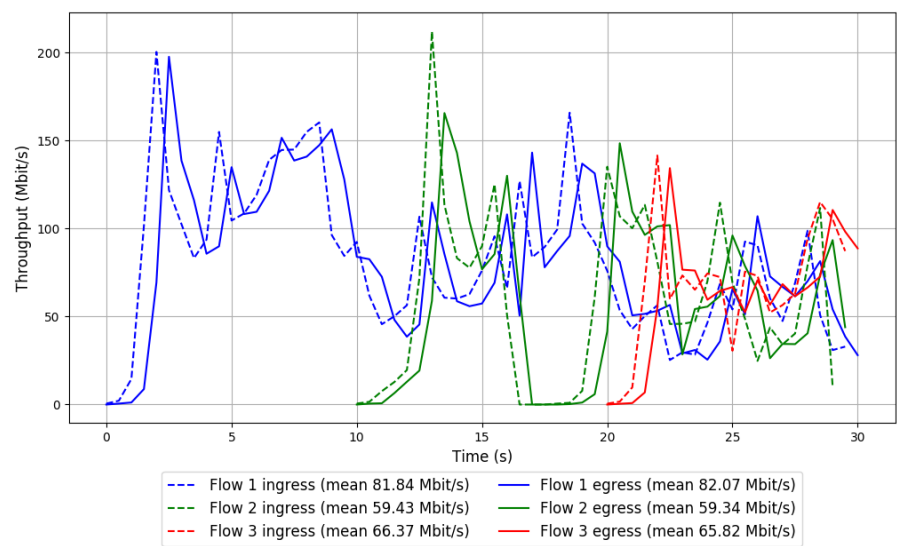


Run 8: Statistics of Copa

Start at: 2018-06-30 07:17:09
End at: 2018-06-30 07:17:39
Local clock offset: -0.05 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-30 08:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.60 Mbit/s
95th percentile per-packet one-way delay: 98.237 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 82.07 Mbit/s
95th percentile per-packet one-way delay: 94.315 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 101.689 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 103.207 ms
Loss rate: 2.57%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-30 07:40:57

End at: 2018-06-30 07:41:27

Local clock offset: 0.252 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 08:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.18 Mbit/s

95th percentile per-packet one-way delay: 102.920 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 56.47 Mbit/s

95th percentile per-packet one-way delay: 103.250 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 106.563 ms

Loss rate: 0.00%

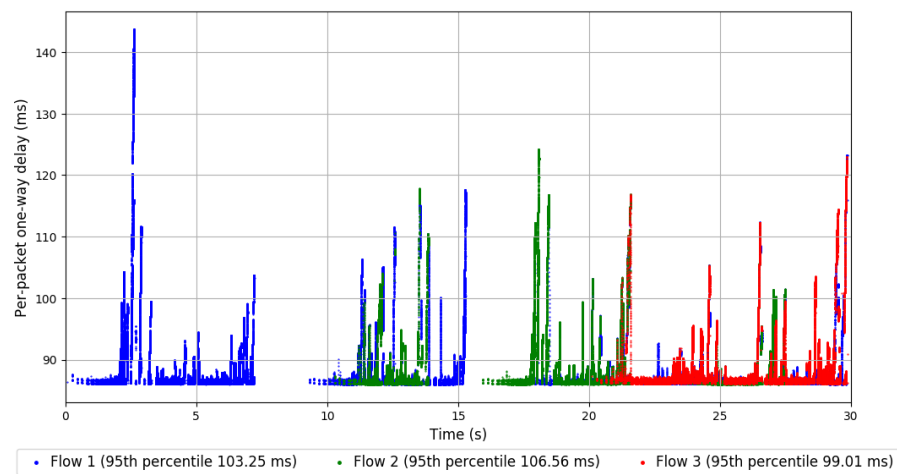
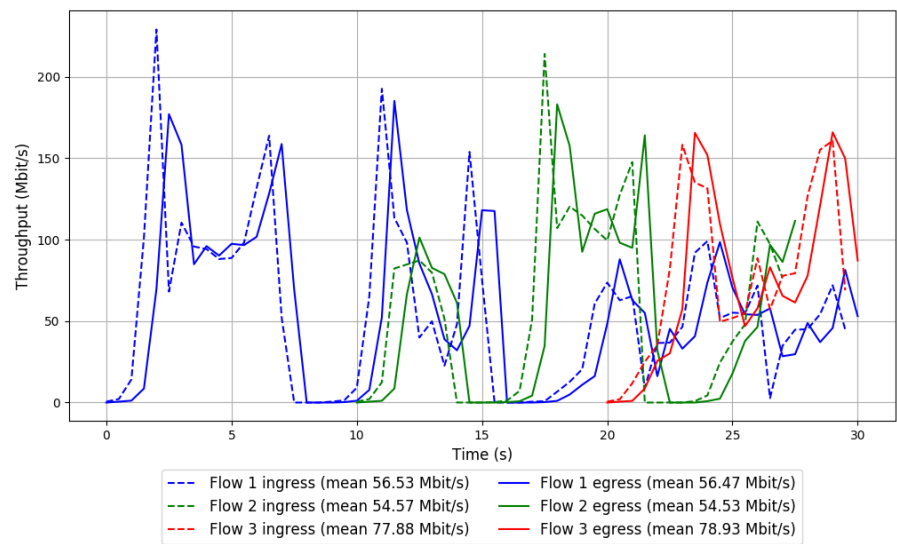
-- Flow 3:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 99.011 ms

Loss rate: 0.55%

Run 9: Report of Copa — Data Link

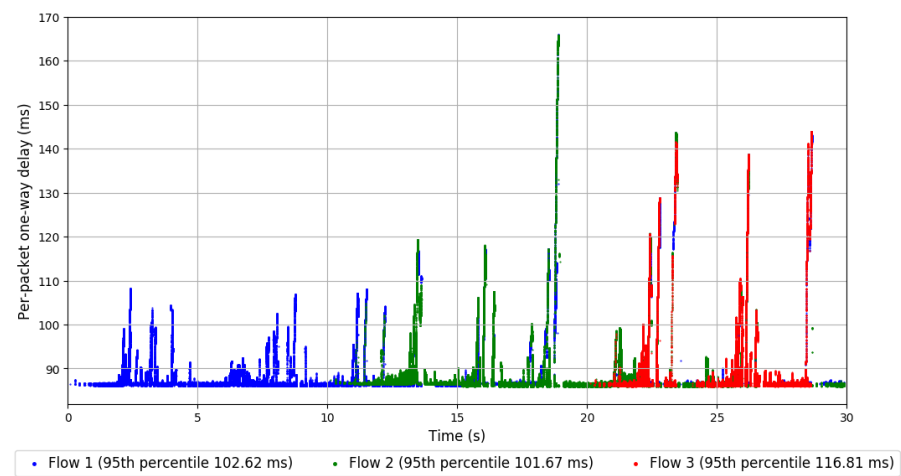
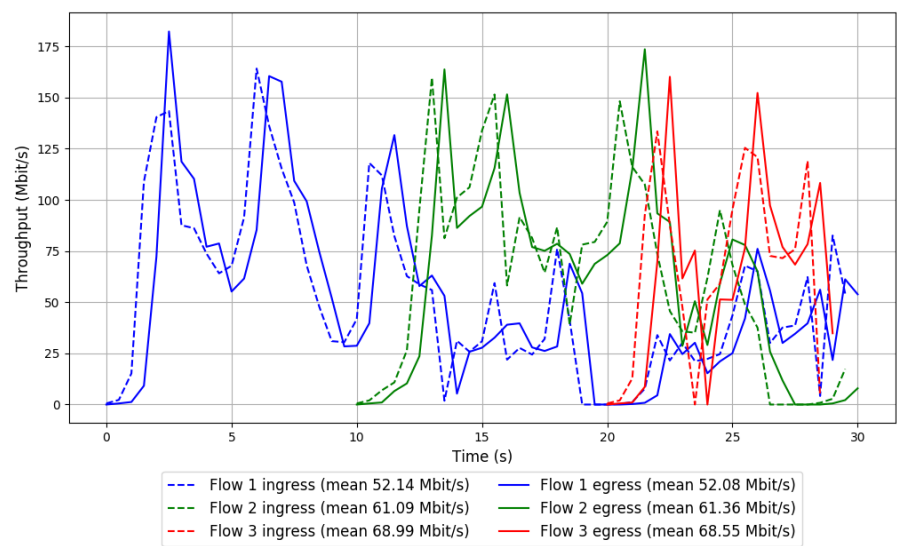


Run 10: Statistics of Copa

Start at: 2018-06-30 08:04:51
End at: 2018-06-30 08:05:21
Local clock offset: 0.202 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-30 08:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.47 Mbit/s
95th percentile per-packet one-way delay: 104.977 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 102.625 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 101.673 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 68.55 Mbit/s
95th percentile per-packet one-way delay: 116.805 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 04:36:19

End at: 2018-06-30 04:36:49

Local clock offset: 0.028 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-30 08:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.04 Mbit/s

95th percentile per-packet one-way delay: 109.197 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 129.84 Mbit/s

95th percentile per-packet one-way delay: 109.161 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 63.38 Mbit/s

95th percentile per-packet one-way delay: 107.266 ms

Loss rate: 1.24%

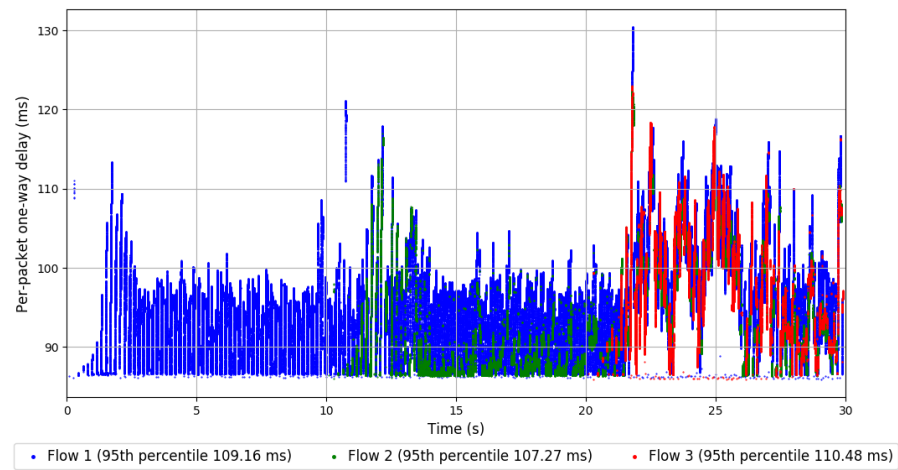
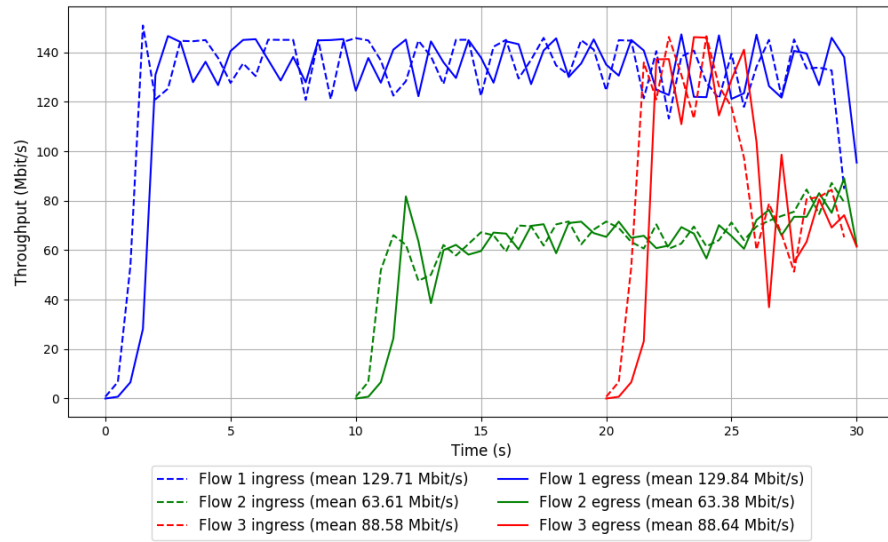
-- Flow 3:

Average throughput: 88.64 Mbit/s

95th percentile per-packet one-way delay: 110.484 ms

Loss rate: 1.66%

Run 1: Report of TCP Cubic — Data Link

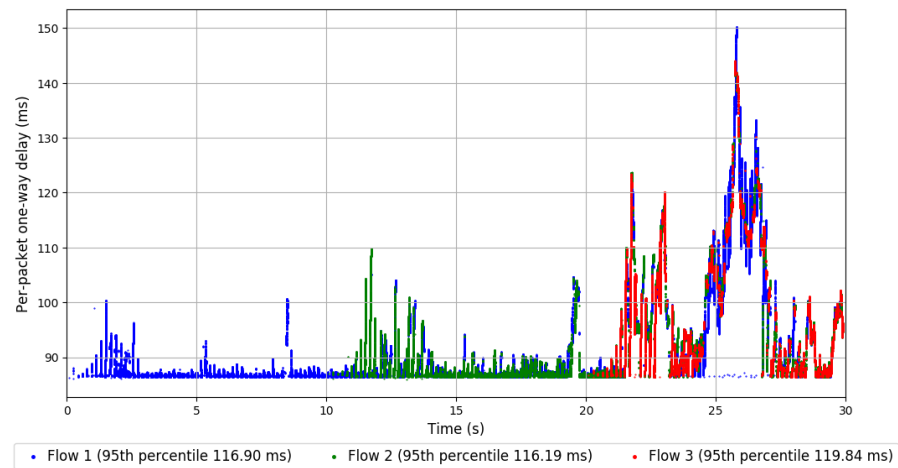
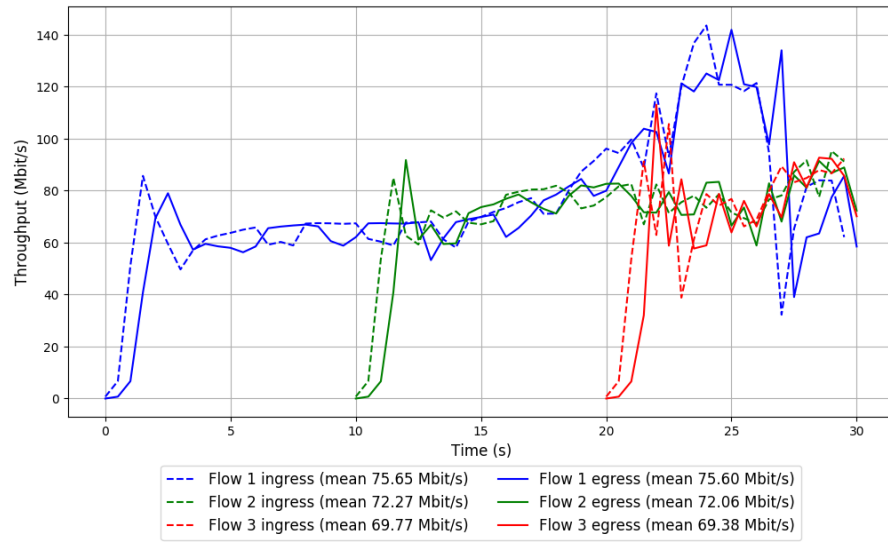


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 04:59:59
End at: 2018-06-30 05:00:29
Local clock offset: 0.167 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-30 08:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.18 Mbit/s
95th percentile per-packet one-way delay: 117.212 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 116.899 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 72.06 Mbit/s
95th percentile per-packet one-way delay: 116.193 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 119.838 ms
Loss rate: 2.26%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 05:23:42

End at: 2018-06-30 05:24:12

Local clock offset: 0.205 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 08:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.50 Mbit/s

95th percentile per-packet one-way delay: 100.523 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 111.95 Mbit/s

95th percentile per-packet one-way delay: 101.094 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 70.63 Mbit/s

95th percentile per-packet one-way delay: 98.038 ms

Loss rate: 1.13%

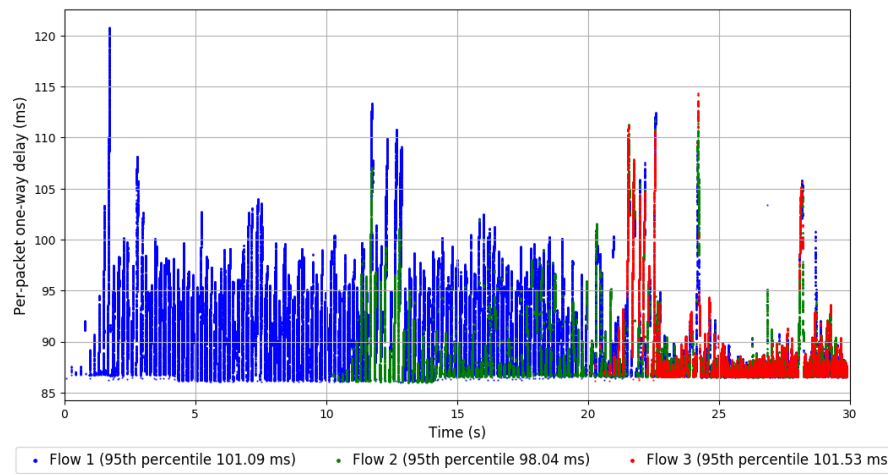
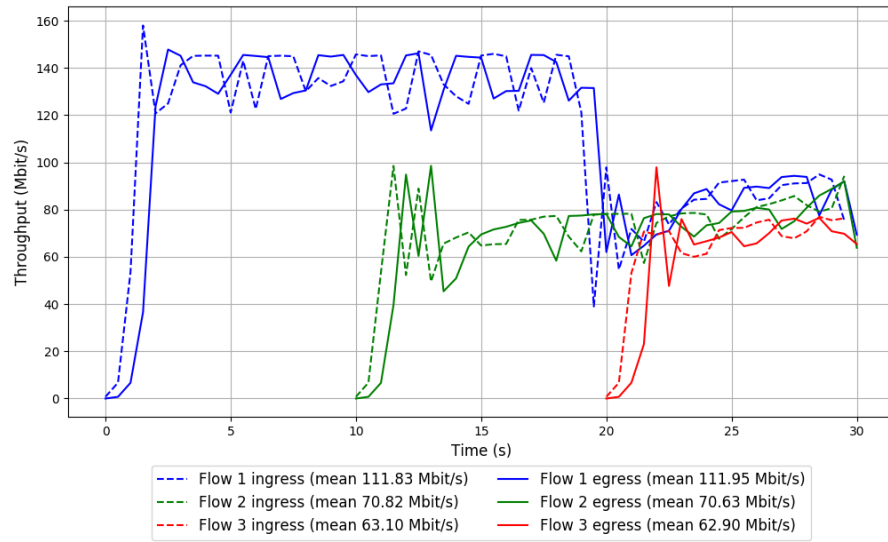
-- Flow 3:

Average throughput: 62.90 Mbit/s

95th percentile per-packet one-way delay: 101.526 ms

Loss rate: 2.05%

Run 3: Report of TCP Cubic — Data Link

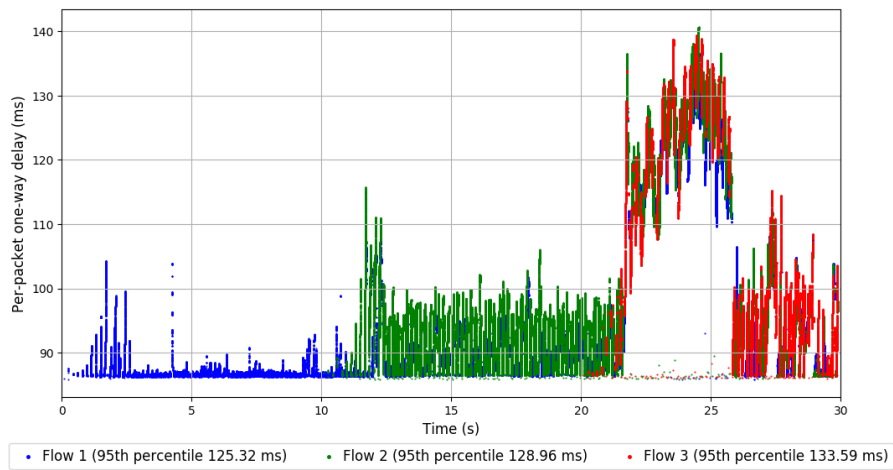
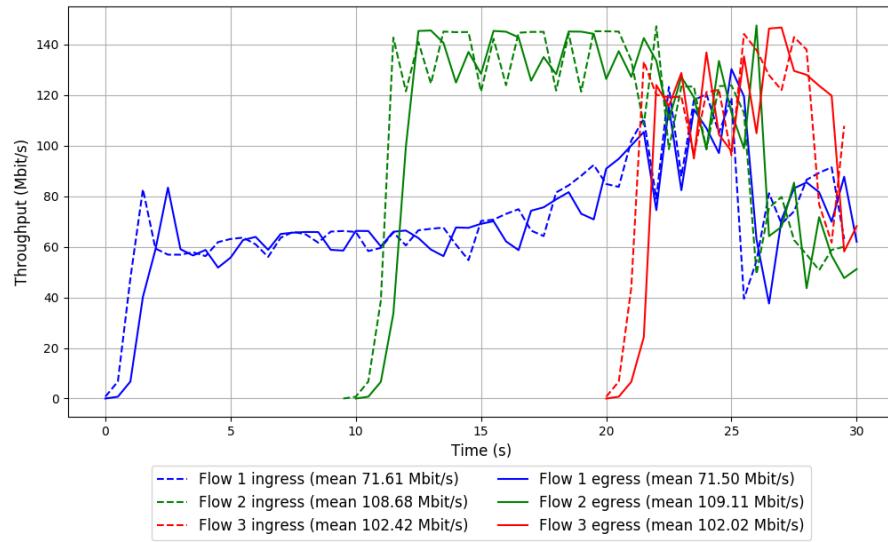


Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 05:47:25
End at: 2018-06-30 05:47:55
Local clock offset: -0.057 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-30 08:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.45 Mbit/s
95th percentile per-packet one-way delay: 129.809 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 125.320 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 109.11 Mbit/s
95th percentile per-packet one-way delay: 128.963 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 102.02 Mbit/s
95th percentile per-packet one-way delay: 133.590 ms
Loss rate: 2.12%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 06:11:13

End at: 2018-06-30 06:11:43

Local clock offset: -0.144 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-06-30 08:39:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.02 Mbit/s

95th percentile per-packet one-way delay: 120.976 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 125.96 Mbit/s

95th percentile per-packet one-way delay: 117.353 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 121.082 ms

Loss rate: 1.17%

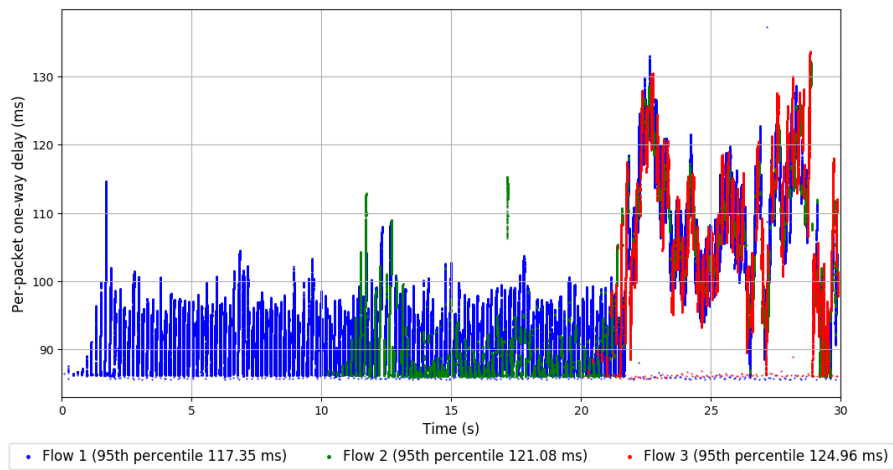
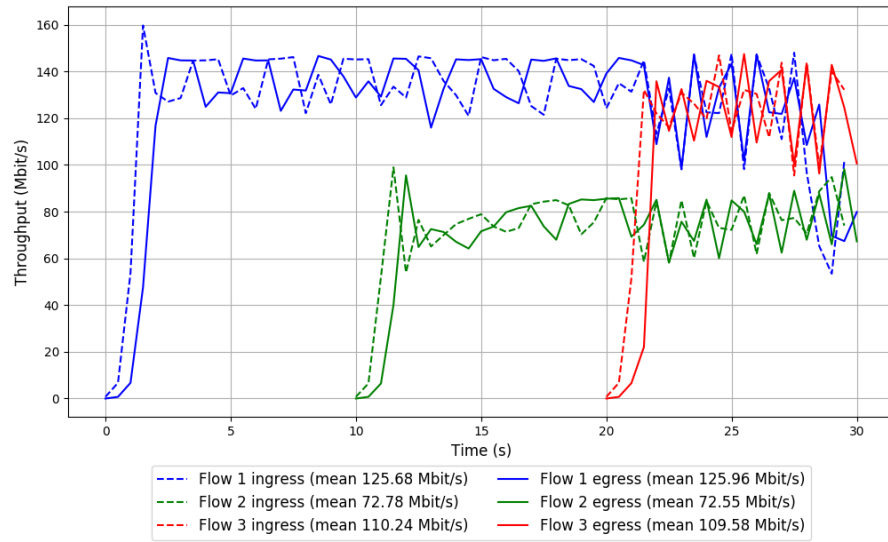
-- Flow 3:

Average throughput: 109.58 Mbit/s

95th percentile per-packet one-way delay: 124.957 ms

Loss rate: 2.32%

Run 5: Report of TCP Cubic — Data Link

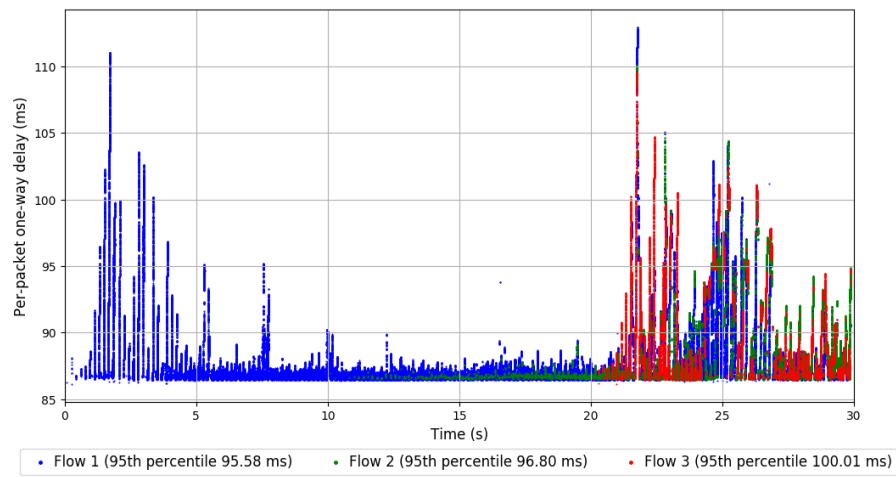
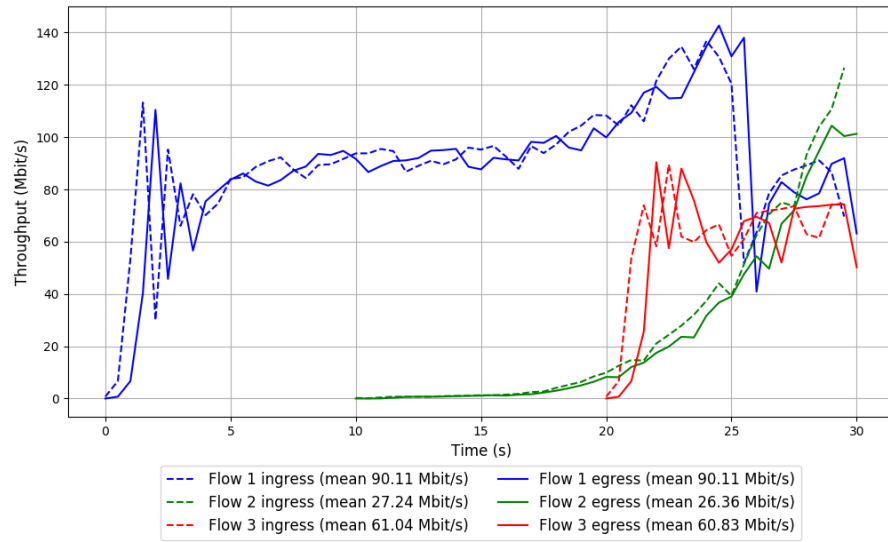


Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 06:34:45
End at: 2018-06-30 06:35:15
Local clock offset: 0.126 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-30 08:39:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.54 Mbit/s
95th percentile per-packet one-way delay: 96.964 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 95.582 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 96.797 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 100.007 ms
Loss rate: 2.06%

Run 6: Report of TCP Cubic — Data Link

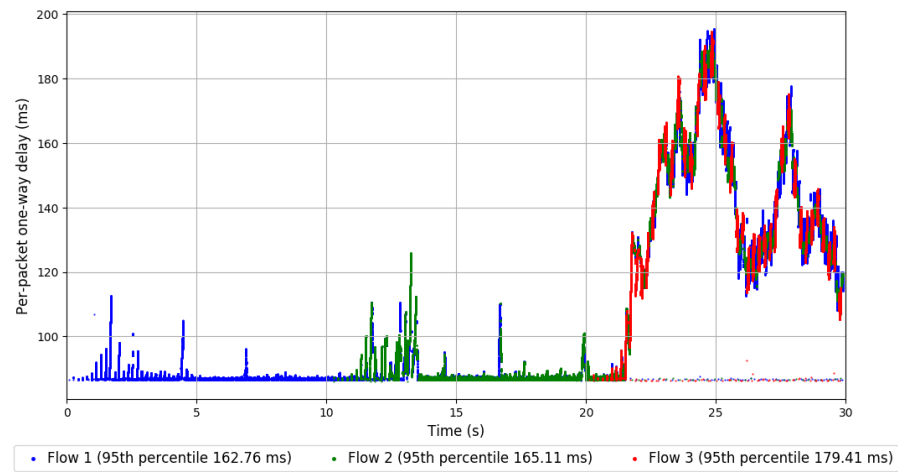
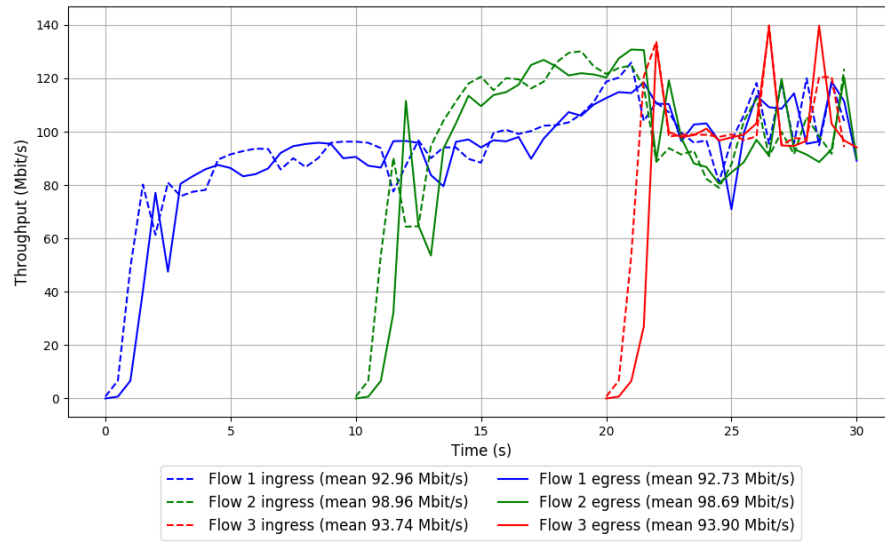


Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 06:58:36
End at: 2018-06-30 06:59:06
Local clock offset: 0.126 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-30 08:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.75 Mbit/s
95th percentile per-packet one-way delay: 169.853 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 162.758 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 98.69 Mbit/s
95th percentile per-packet one-way delay: 165.107 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 179.409 ms
Loss rate: 2.57%

Run 7: Report of TCP Cubic — Data Link

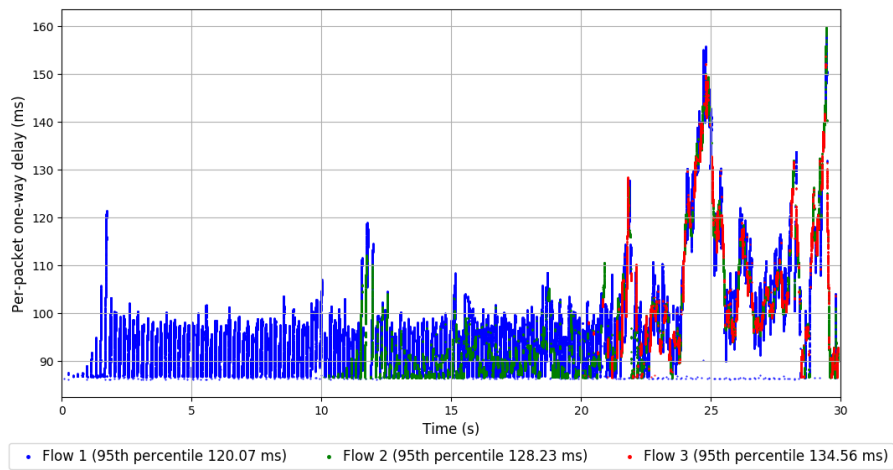
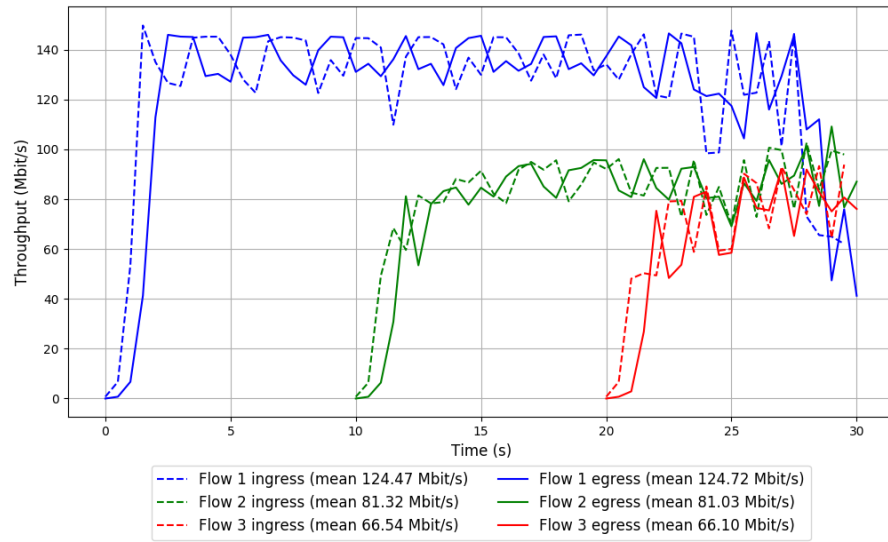


Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 07:22:40
End at: 2018-06-30 07:23:10
Local clock offset: 0.301 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-30 08:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.16 Mbit/s
95th percentile per-packet one-way delay: 125.487 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 124.72 Mbit/s
95th percentile per-packet one-way delay: 120.073 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 81.03 Mbit/s
95th percentile per-packet one-way delay: 128.233 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 134.556 ms
Loss rate: 2.39%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 07:46:19

End at: 2018-06-30 07:46:49

Local clock offset: 0.012 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-30 08:40:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.38 Mbit/s

95th percentile per-packet one-way delay: 107.177 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 130.44 Mbit/s

95th percentile per-packet one-way delay: 106.290 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 108.750 ms

Loss rate: 1.11%

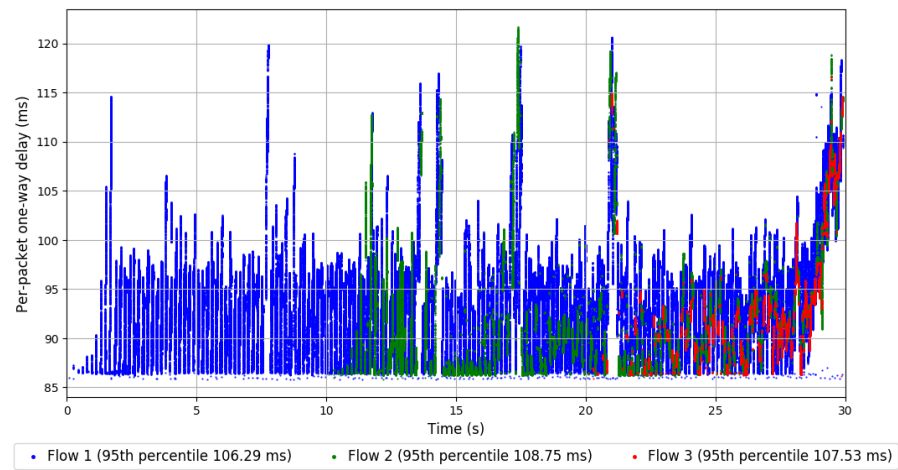
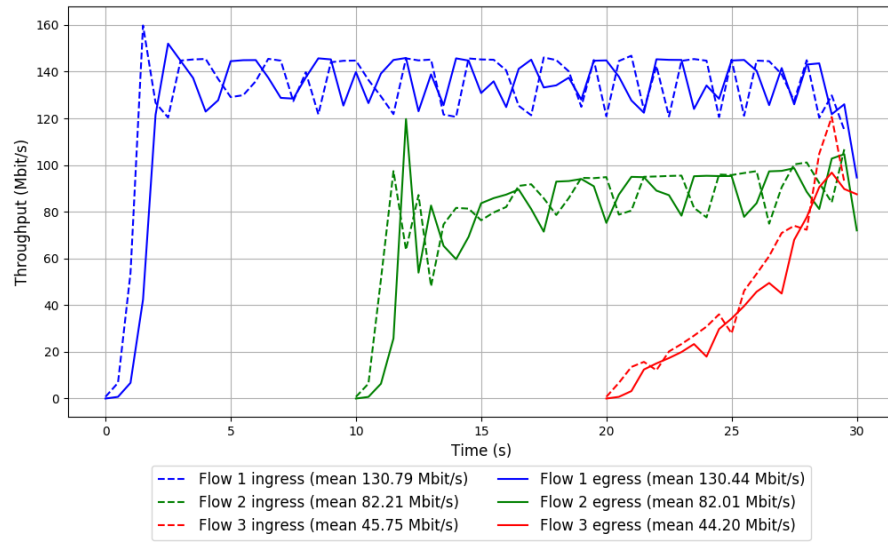
-- Flow 3:

Average throughput: 44.20 Mbit/s

95th percentile per-packet one-way delay: 107.531 ms

Loss rate: 5.06%

Run 9: Report of TCP Cubic — Data Link

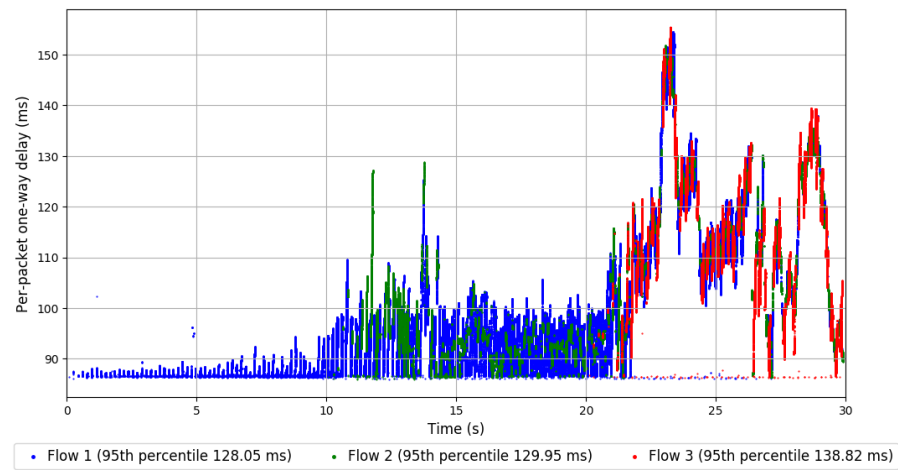
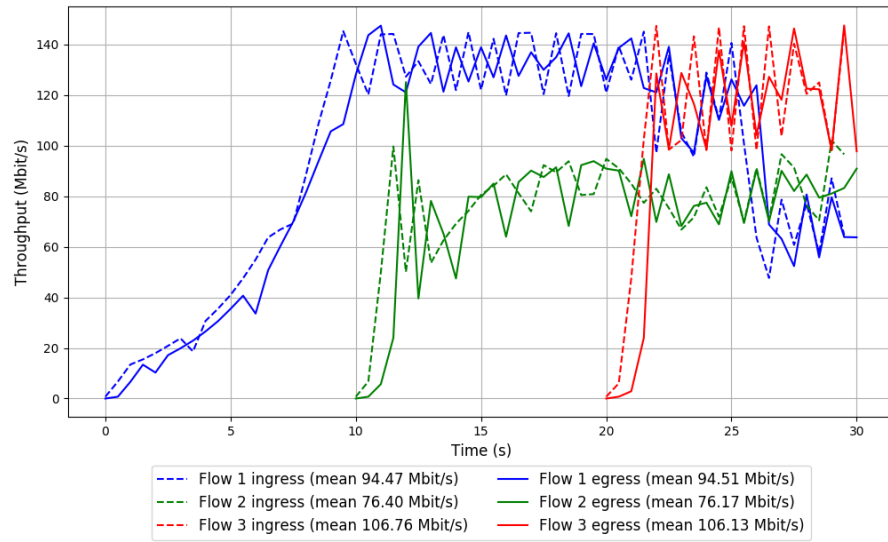


Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 08:10:15
End at: 2018-06-30 08:10:45
Local clock offset: 0.099 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-30 08:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.77 Mbit/s
95th percentile per-packet one-way delay: 131.278 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 128.053 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 129.952 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 106.13 Mbit/s
95th percentile per-packet one-way delay: 138.816 ms
Loss rate: 2.28%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-30 04:28:49

End at: 2018-06-30 04:29:19

Local clock offset: -0.05 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-06-30 09:03:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1173.13 Mbit/s

95th percentile per-packet one-way delay: 324.077 ms

Loss rate: 4.18%

-- Flow 1:

Average throughput: 618.72 Mbit/s

95th percentile per-packet one-way delay: 330.070 ms

Loss rate: 5.26%

-- Flow 2:

Average throughput: 578.23 Mbit/s

95th percentile per-packet one-way delay: 321.000 ms

Loss rate: 3.05%

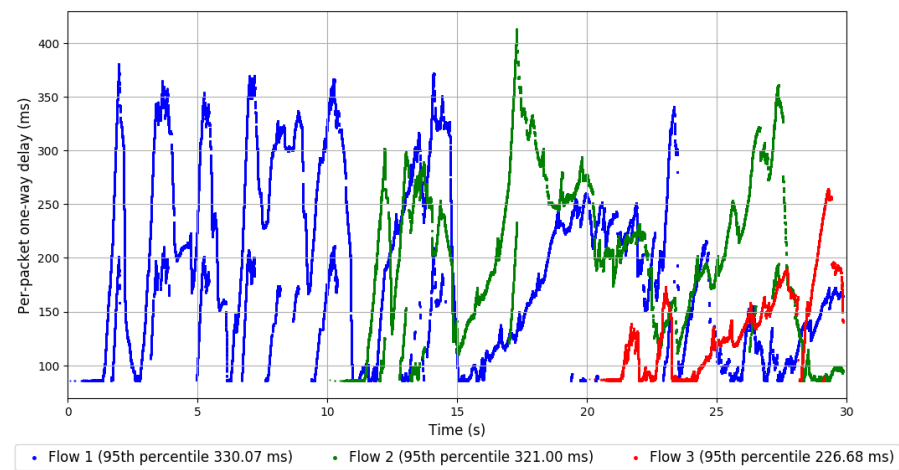
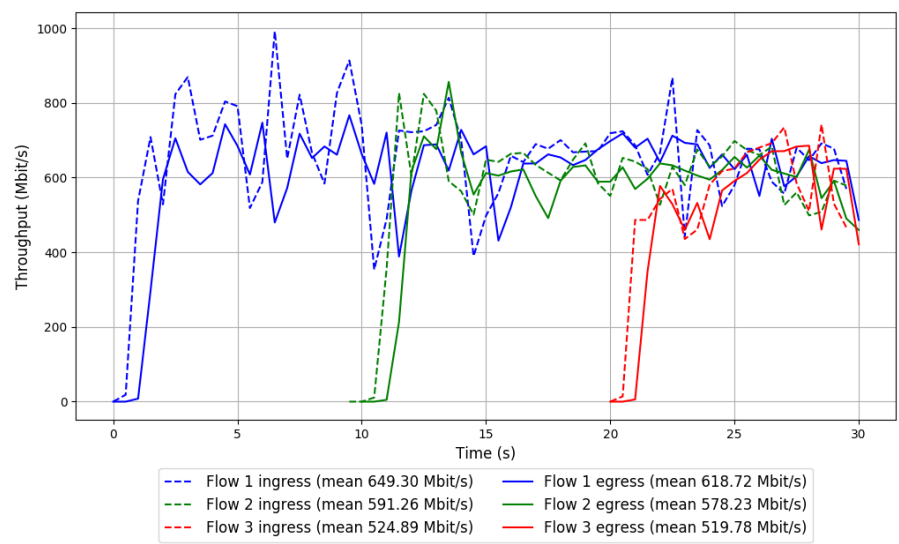
-- Flow 3:

Average throughput: 519.78 Mbit/s

95th percentile per-packet one-way delay: 226.676 ms

Loss rate: 2.71%

Run 1: Report of FillP — Data Link

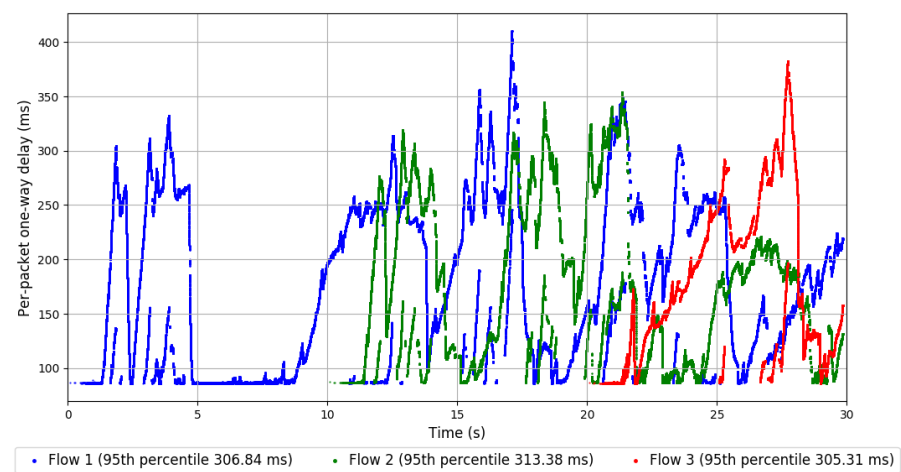
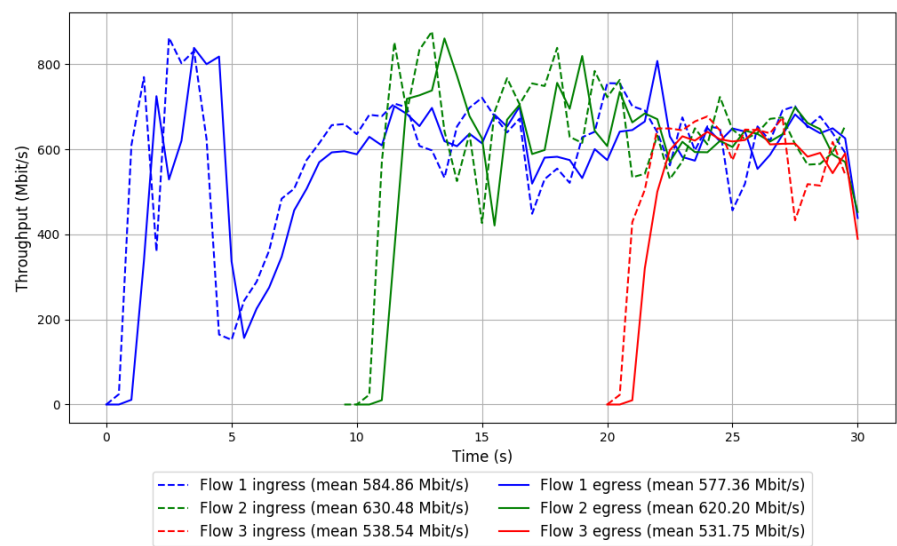


Run 2: Statistics of FillP

Start at: 2018-06-30 04:52:27
End at: 2018-06-30 04:52:57
Local clock offset: 0.111 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-30 09:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1163.55 Mbit/s
95th percentile per-packet one-way delay: 309.741 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 577.36 Mbit/s
95th percentile per-packet one-way delay: 306.836 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 620.20 Mbit/s
95th percentile per-packet one-way delay: 313.379 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 531.75 Mbit/s
95th percentile per-packet one-way delay: 305.311 ms
Loss rate: 2.98%

Run 2: Report of FillP — Data Link

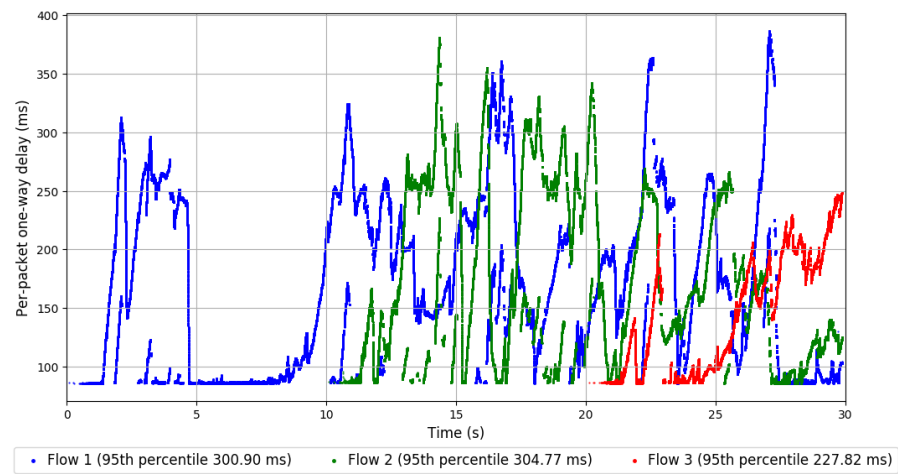
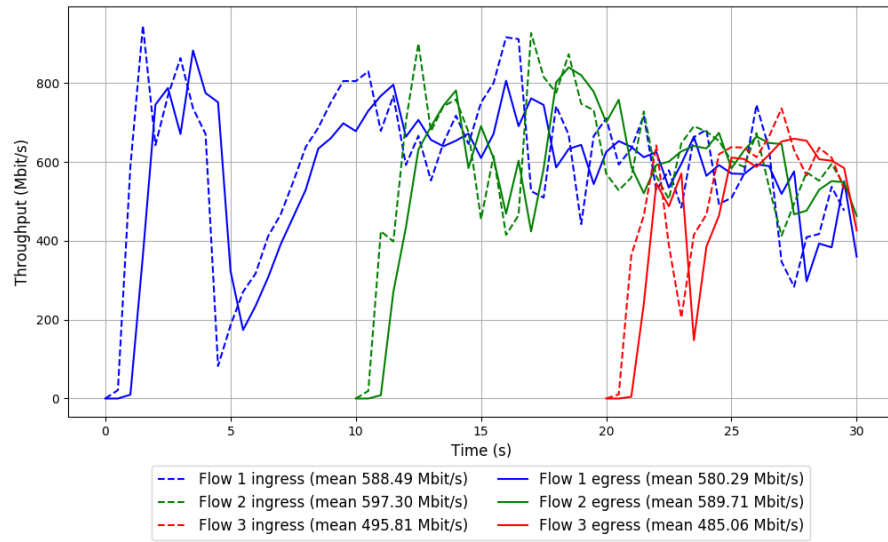


Run 3: Statistics of FillP

Start at: 2018-06-30 05:16:13
End at: 2018-06-30 05:16:43
Local clock offset: 0.086 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-30 09:04:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1130.34 Mbit/s
95th percentile per-packet one-way delay: 299.158 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 580.29 Mbit/s
95th percentile per-packet one-way delay: 300.901 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 589.71 Mbit/s
95th percentile per-packet one-way delay: 304.773 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 485.06 Mbit/s
95th percentile per-packet one-way delay: 227.823 ms
Loss rate: 3.88%

Run 3: Report of FillP — Data Link

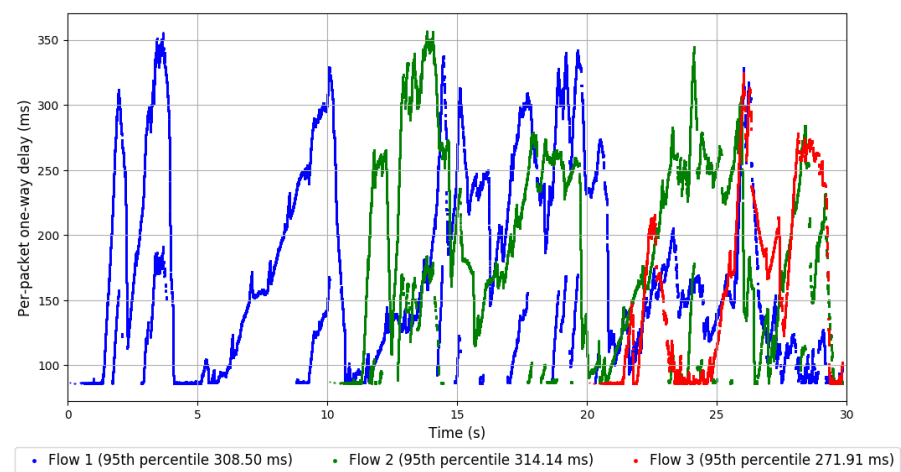
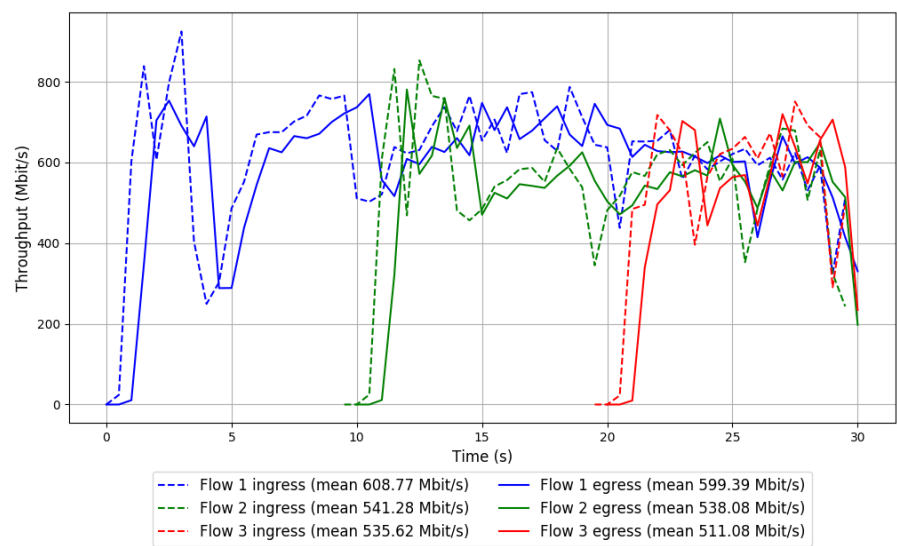


Run 4: Statistics of FillP

Start at: 2018-06-30 05:40:01
End at: 2018-06-30 05:40:31
Local clock offset: 0.264 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-30 09:05:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1124.27 Mbit/s
95th percentile per-packet one-way delay: 307.054 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 599.39 Mbit/s
95th percentile per-packet one-way delay: 308.505 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 538.08 Mbit/s
95th percentile per-packet one-way delay: 314.141 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 511.08 Mbit/s
95th percentile per-packet one-way delay: 271.908 ms
Loss rate: 6.25%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-30 06:03:48

End at: 2018-06-30 06:04:18

Local clock offset: 0.017 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-30 09:06:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 1125.04 Mbit/s

95th percentile per-packet one-way delay: 307.030 ms

Loss rate: 2.85%

-- Flow 1:

Average throughput: 579.73 Mbit/s

95th percentile per-packet one-way delay: 318.945 ms

Loss rate: 2.43%

-- Flow 2:

Average throughput: 580.13 Mbit/s

95th percentile per-packet one-way delay: 293.256 ms

Loss rate: 2.87%

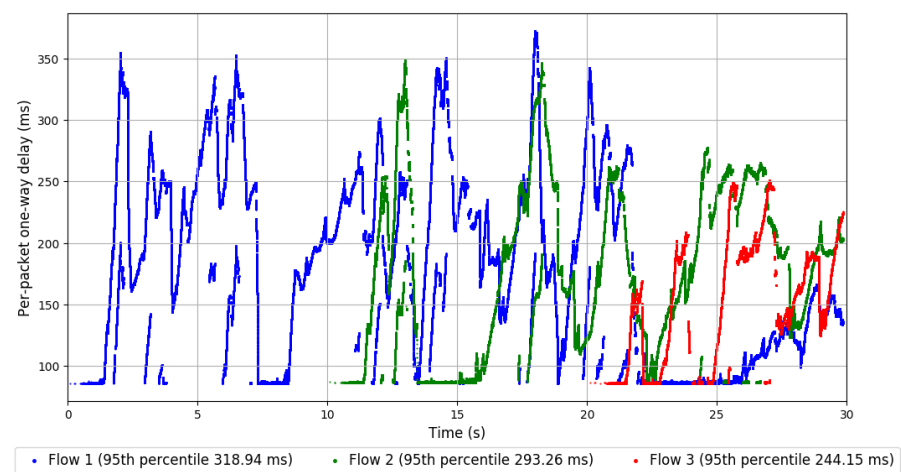
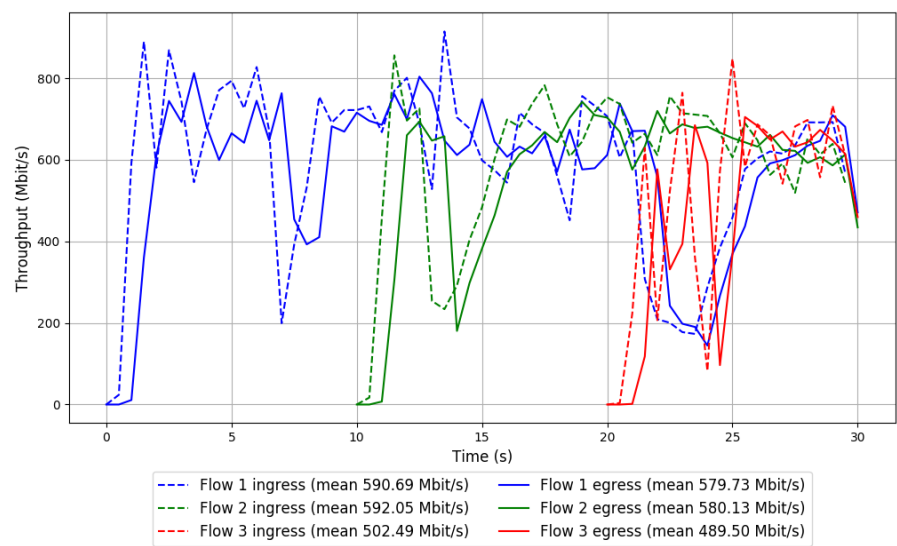
-- Flow 3:

Average throughput: 489.50 Mbit/s

95th percentile per-packet one-way delay: 244.148 ms

Loss rate: 4.29%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-30 06:27:34

End at: 2018-06-30 06:28:04

Local clock offset: 0.099 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-30 09:06:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 631.77 Mbit/s

95th percentile per-packet one-way delay: 332.397 ms

Loss rate: 4.74%

-- Flow 1:

Average throughput: 264.19 Mbit/s

95th percentile per-packet one-way delay: 326.795 ms

Loss rate: 4.07%

-- Flow 2:

Average throughput: 280.68 Mbit/s

95th percentile per-packet one-way delay: 345.776 ms

Loss rate: 7.04%

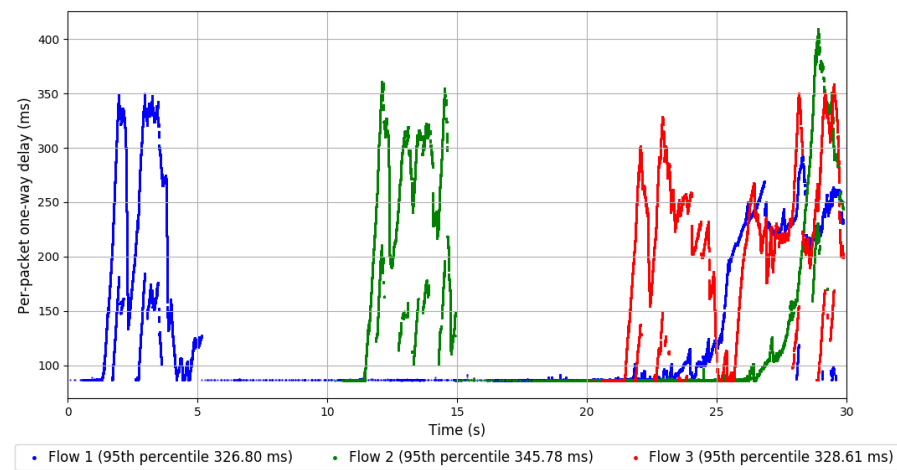
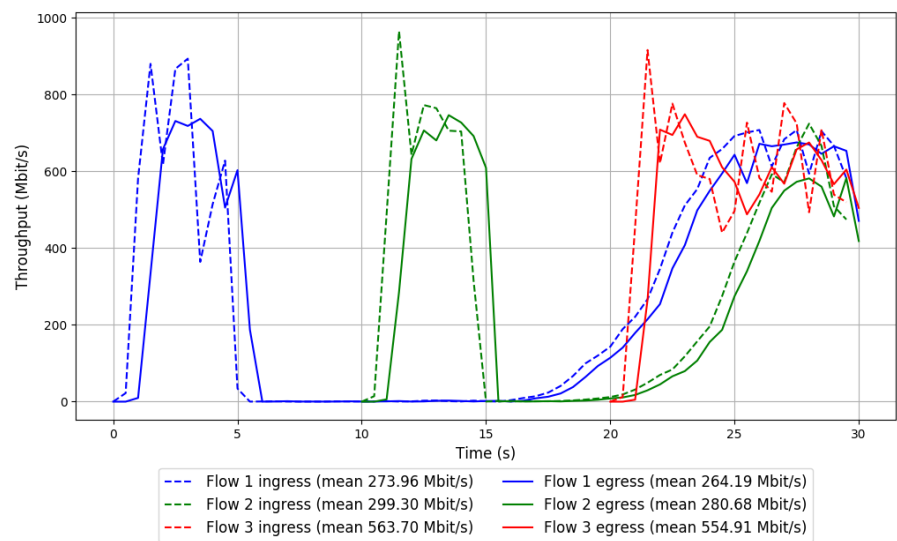
-- Flow 3:

Average throughput: 554.91 Mbit/s

95th percentile per-packet one-way delay: 328.610 ms

Loss rate: 3.28%

Run 6: Report of FillP — Data Link

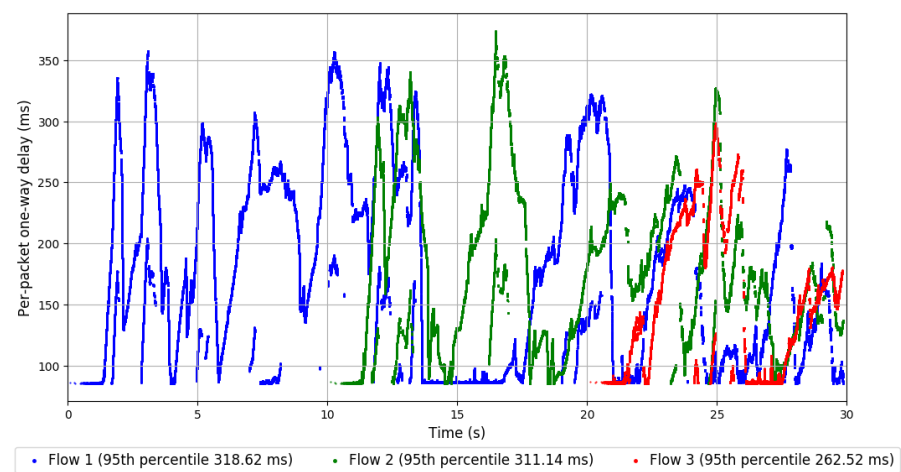
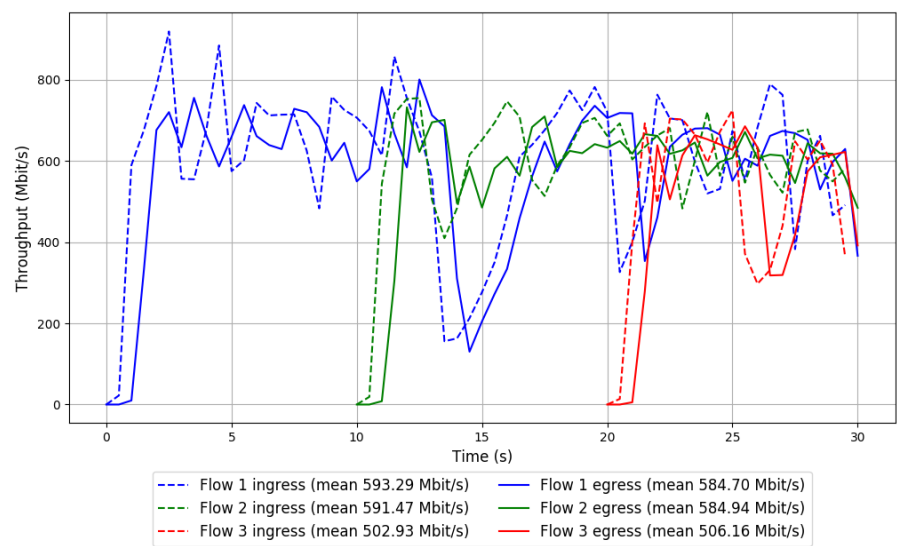


Run 7: Statistics of FillP

Start at: 2018-06-30 06:51:08
End at: 2018-06-30 06:51:38
Local clock offset: -0.127 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-30 09:06:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1137.57 Mbit/s
95th percentile per-packet one-way delay: 313.120 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 584.70 Mbit/s
95th percentile per-packet one-way delay: 318.623 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 584.94 Mbit/s
95th percentile per-packet one-way delay: 311.144 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 506.16 Mbit/s
95th percentile per-packet one-way delay: 262.516 ms
Loss rate: 1.54%

Run 7: Report of FillP — Data Link

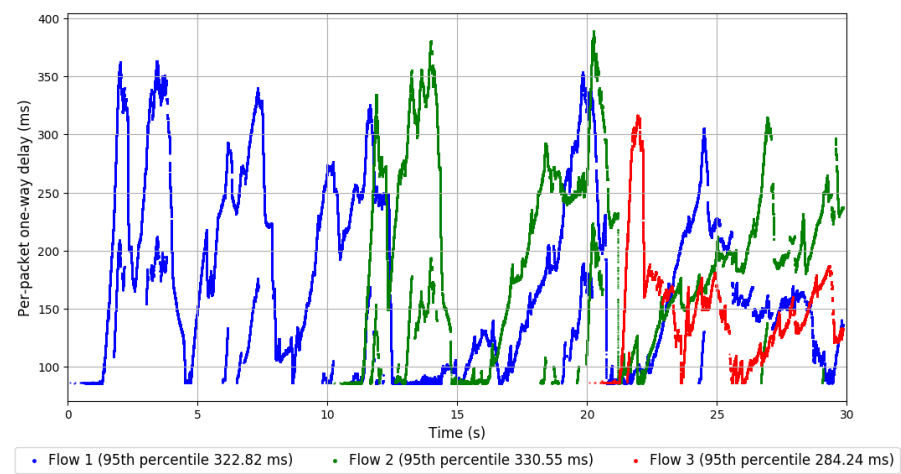
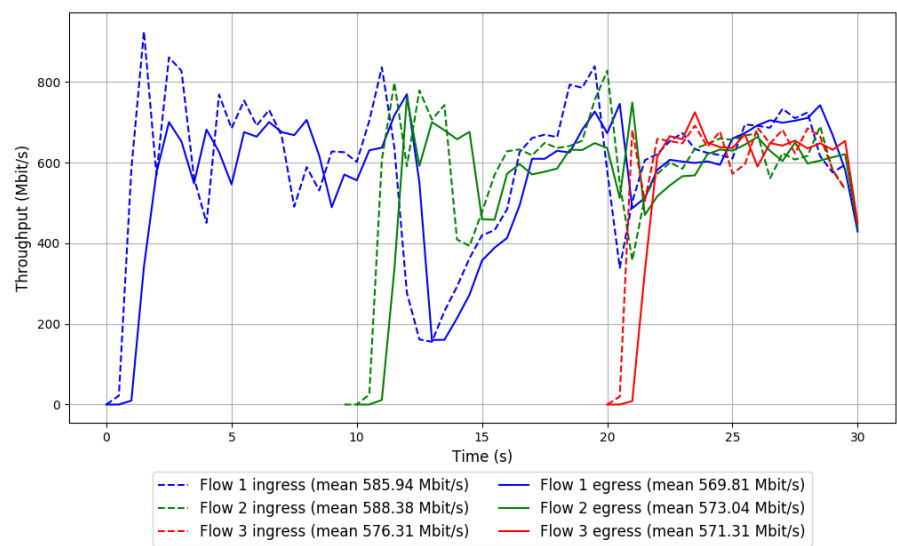


Run 8: Statistics of FillP

Start at: 2018-06-30 07:15:04
End at: 2018-06-30 07:15:34
Local clock offset: 0.281 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-30 09:06:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1137.68 Mbit/s
95th percentile per-packet one-way delay: 320.072 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 569.81 Mbit/s
95th percentile per-packet one-way delay: 322.823 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 573.04 Mbit/s
95th percentile per-packet one-way delay: 330.554 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 571.31 Mbit/s
95th percentile per-packet one-way delay: 284.244 ms
Loss rate: 2.60%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-30 07:38:52

End at: 2018-06-30 07:39:22

Local clock offset: -0.066 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-30 09:22:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1130.61 Mbit/s

95th percentile per-packet one-way delay: 337.954 ms

Loss rate: 3.79%

-- Flow 1:

Average throughput: 590.70 Mbit/s

95th percentile per-packet one-way delay: 343.326 ms

Loss rate: 4.00%

-- Flow 2:

Average throughput: 574.04 Mbit/s

95th percentile per-packet one-way delay: 331.823 ms

Loss rate: 3.05%

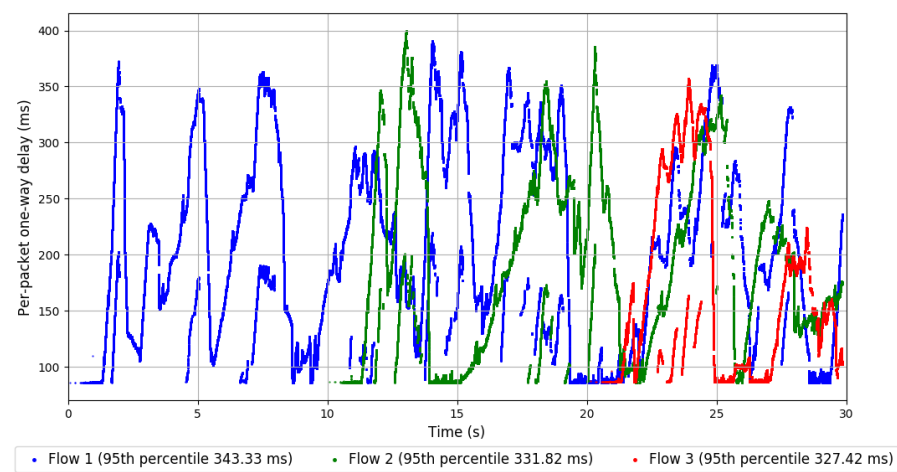
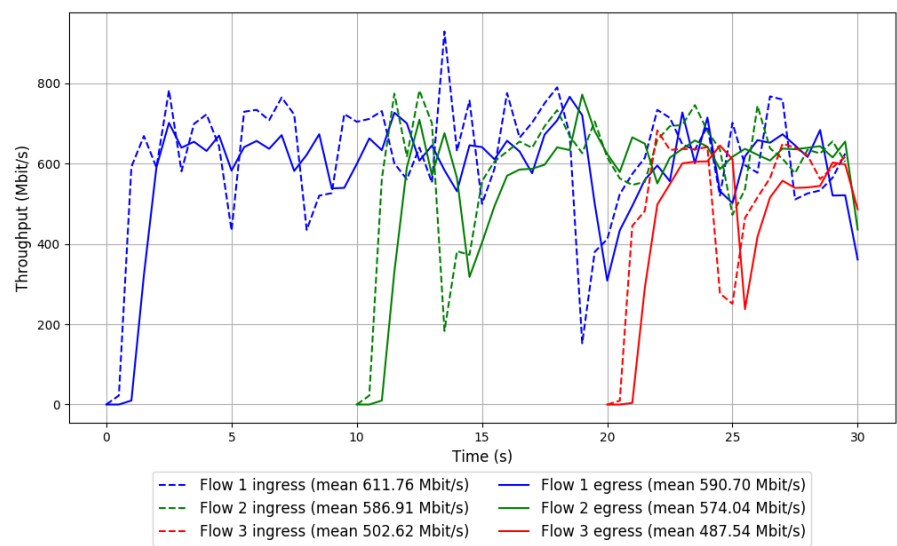
-- Flow 3:

Average throughput: 487.54 Mbit/s

95th percentile per-packet one-way delay: 327.424 ms

Loss rate: 4.72%

Run 9: Report of FillP — Data Link

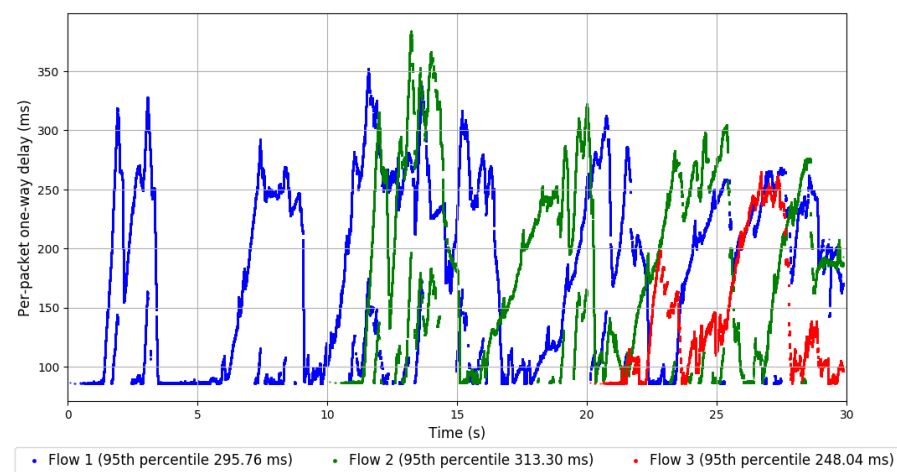
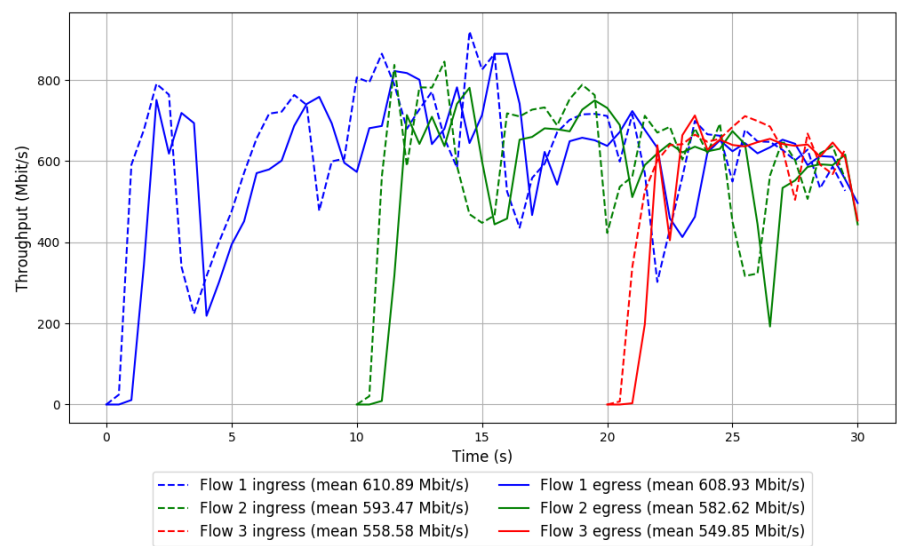


Run 10: Statistics of FillP

Start at: 2018-06-30 08:02:43
End at: 2018-06-30 08:03:13
Local clock offset: -0.046 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1175.61 Mbit/s
95th percentile per-packet one-way delay: 297.886 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 608.93 Mbit/s
95th percentile per-packet one-way delay: 295.758 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 582.62 Mbit/s
95th percentile per-packet one-way delay: 313.297 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 549.85 Mbit/s
95th percentile per-packet one-way delay: 248.043 ms
Loss rate: 3.35%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-30 04:17:41

End at: 2018-06-30 04:18:11

Local clock offset: 0.012 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 91.003 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 0.00%

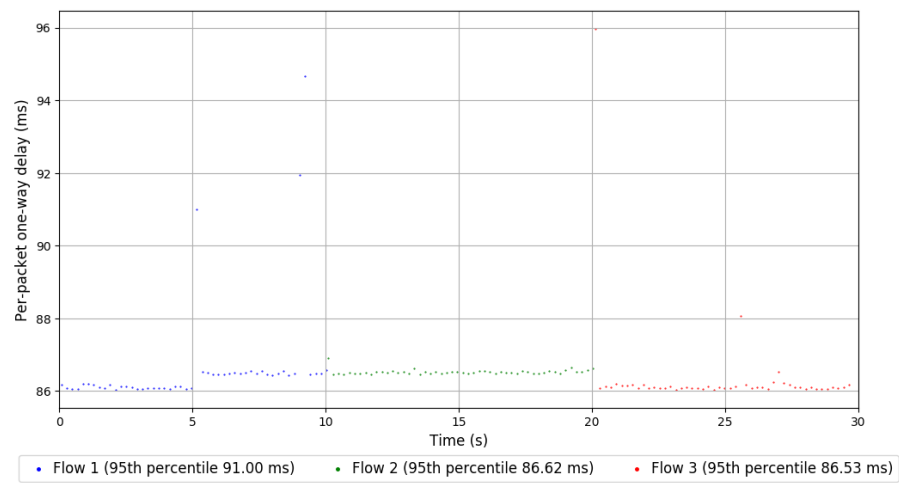
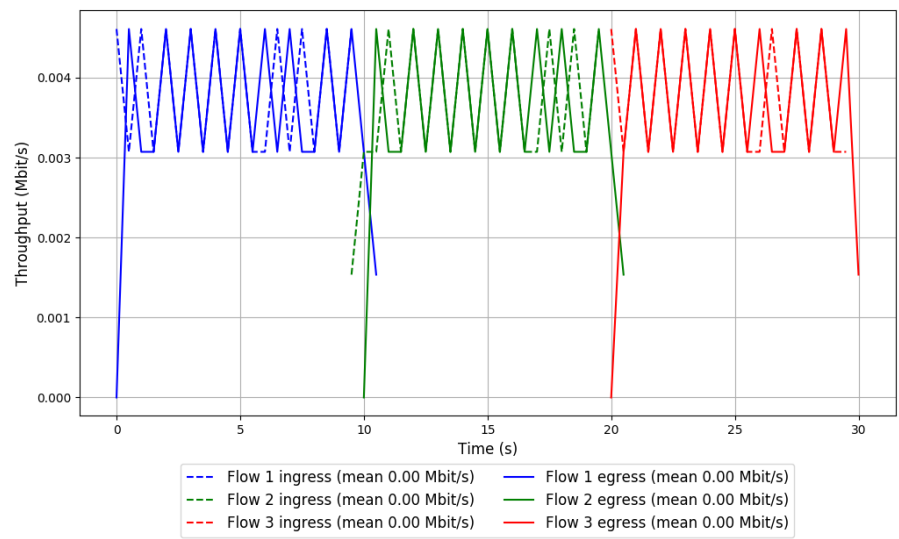
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.534 ms

Loss rate: 2.04%

Run 1: Report of FillP-Sheep — Data Link

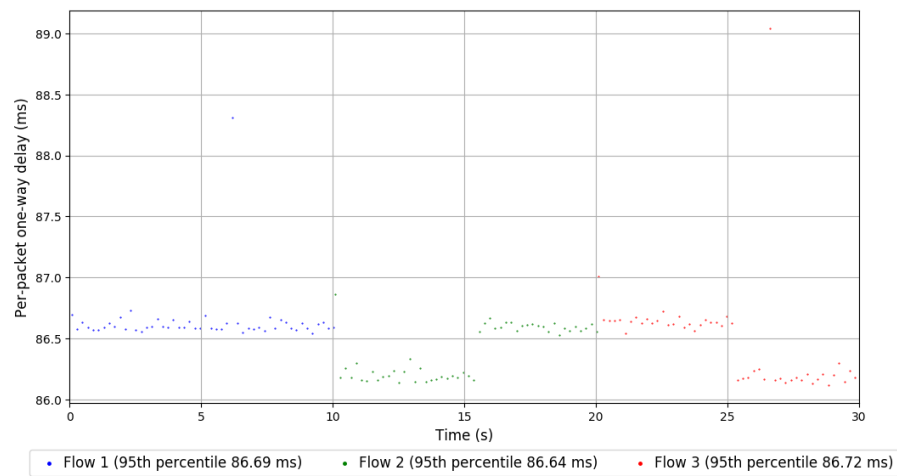
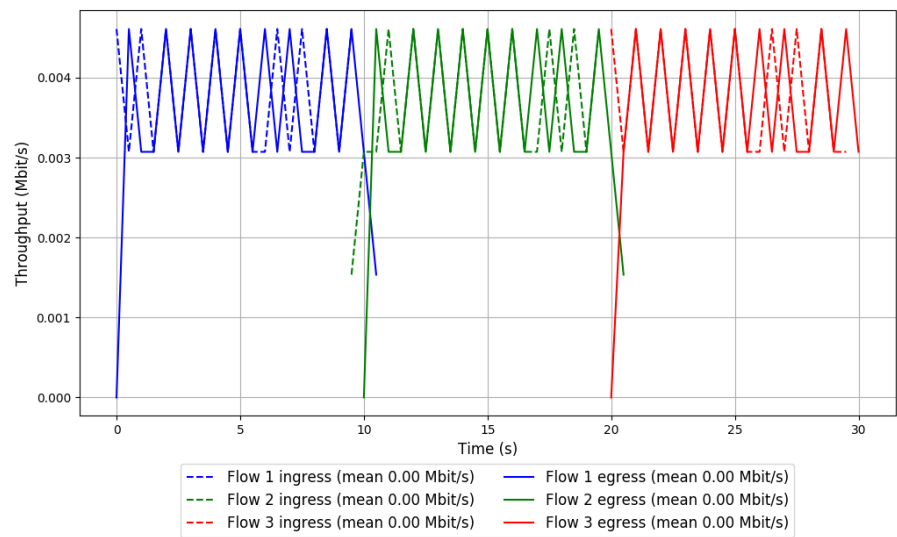


Run 2: Statistics of FillP-Sheep

Start at: 2018-06-30 04:41:30
End at: 2018-06-30 04:42:00
Local clock offset: 0.166 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.721 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-06-30 05:05:08

End at: 2018-06-30 05:05:38

Local clock offset: 0.217 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.706 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.327 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.713 ms

Loss rate: 0.00%

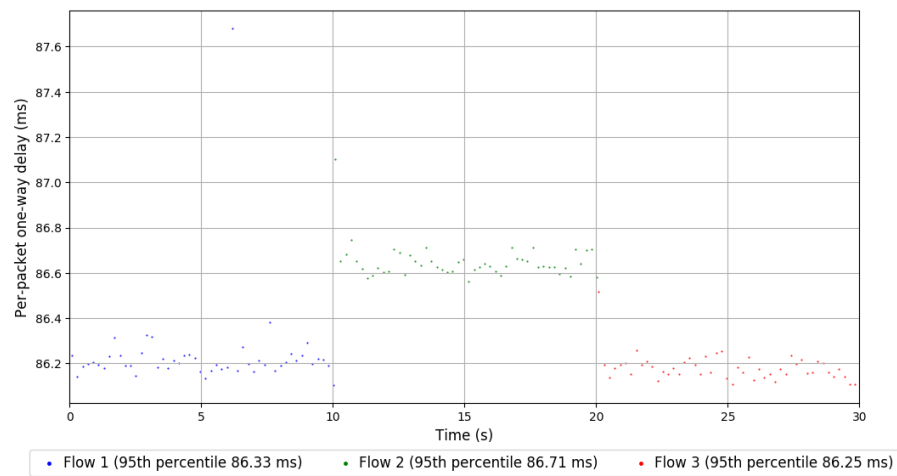
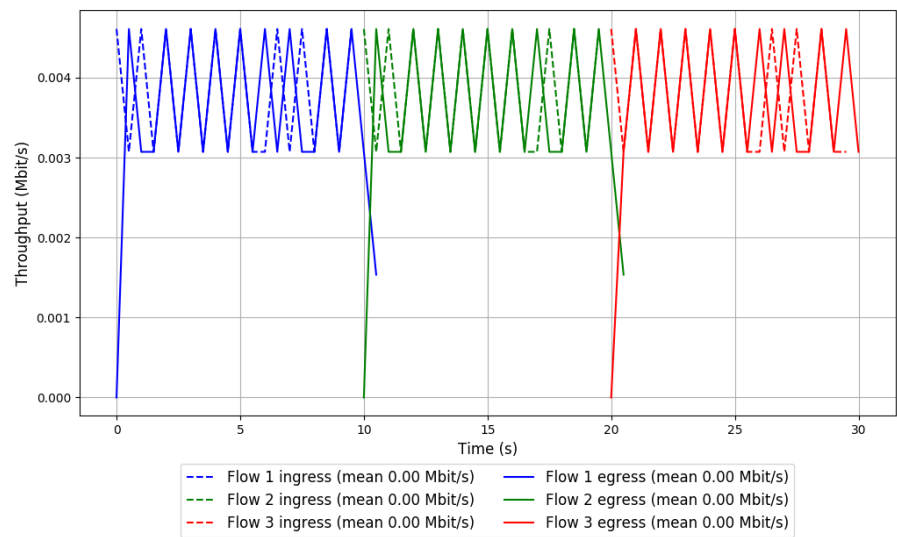
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.255 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

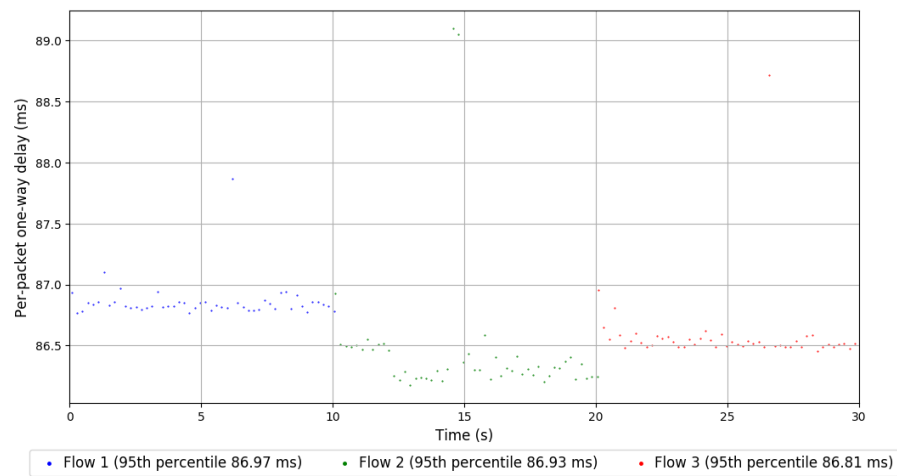
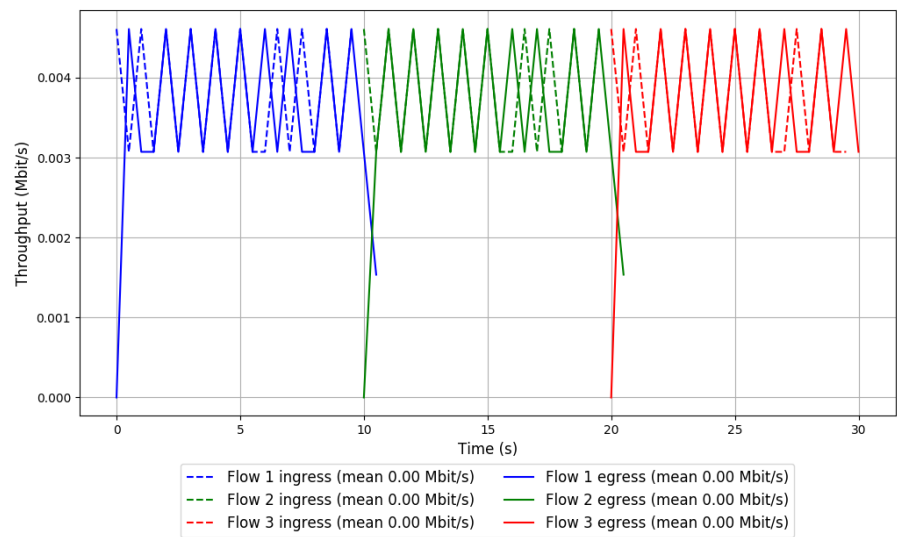


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-30 05:28:54
End at: 2018-06-30 05:29:24
Local clock offset: 0.289 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-30 05:52:38

End at: 2018-06-30 05:53:08

Local clock offset: 0.035 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.165 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.156 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.165 ms

Loss rate: 0.00%

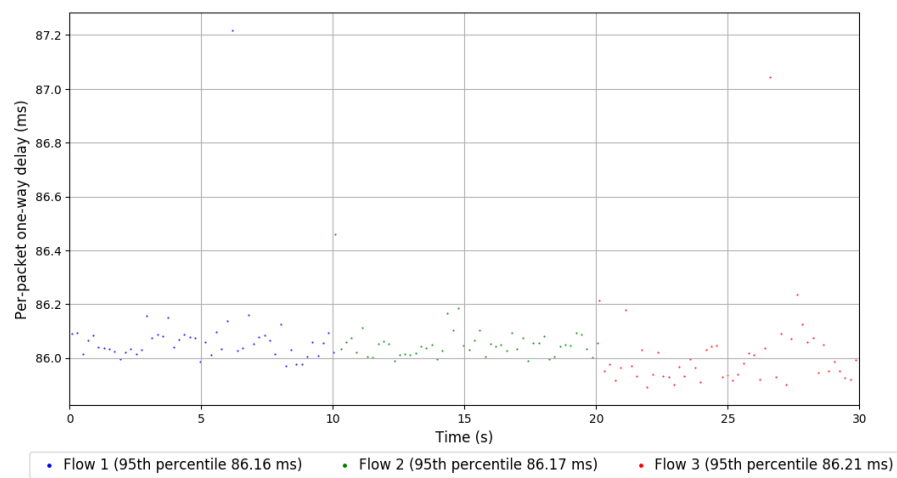
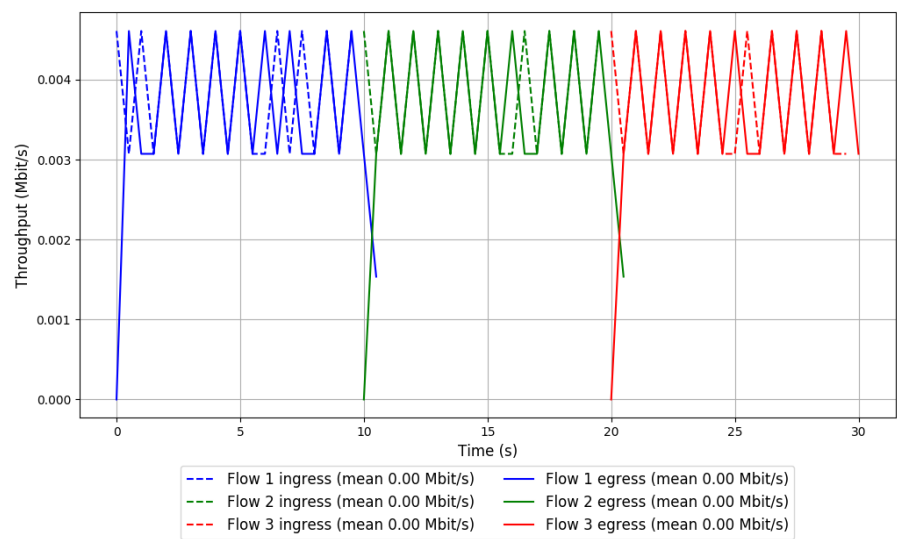
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.214 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-30 06:16:26

End at: 2018-06-30 06:16:56

Local clock offset: 0.198 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.703 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 87.203 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.177 ms

Loss rate: 0.00%

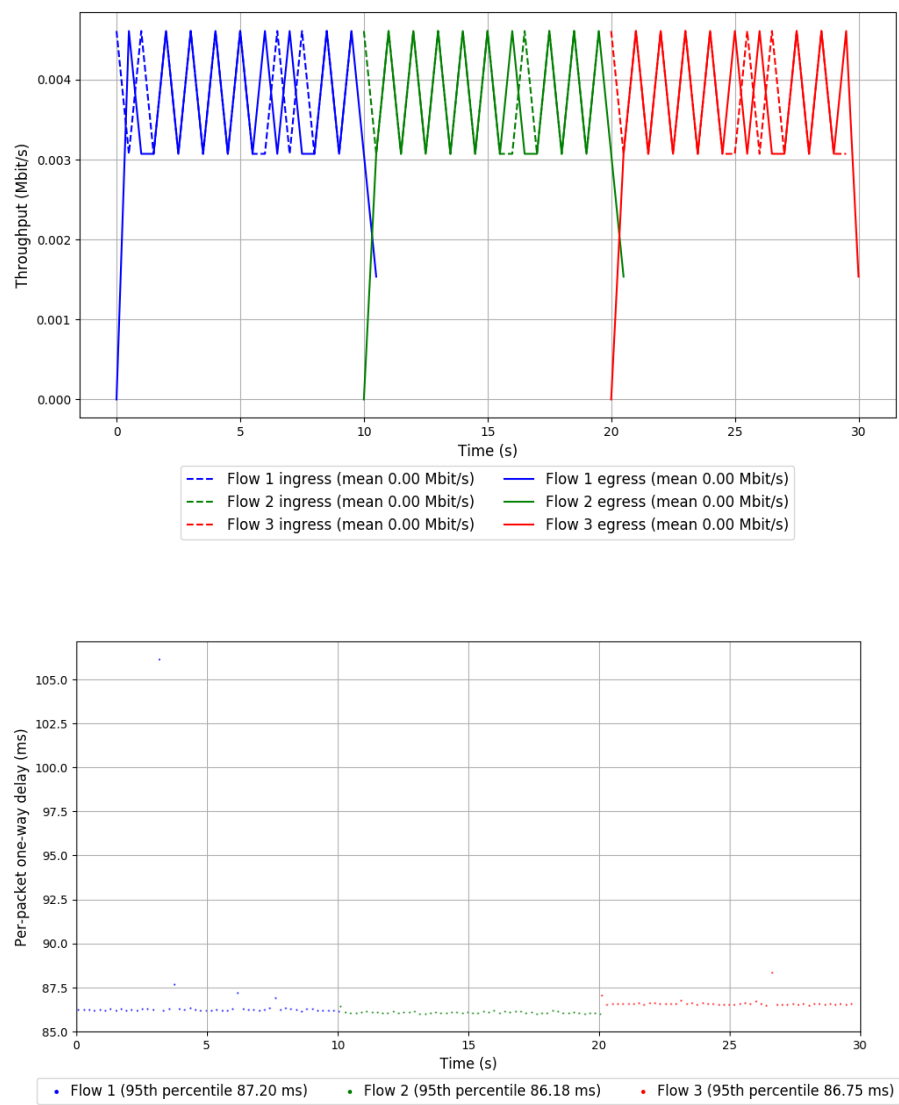
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.749 ms

Loss rate: 2.04%

Run 6: Report of FillP-Sheep — Data Link

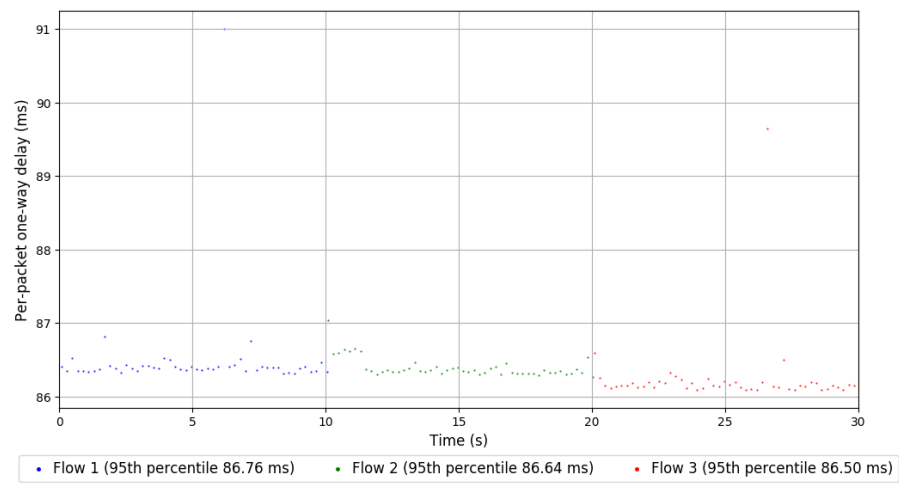
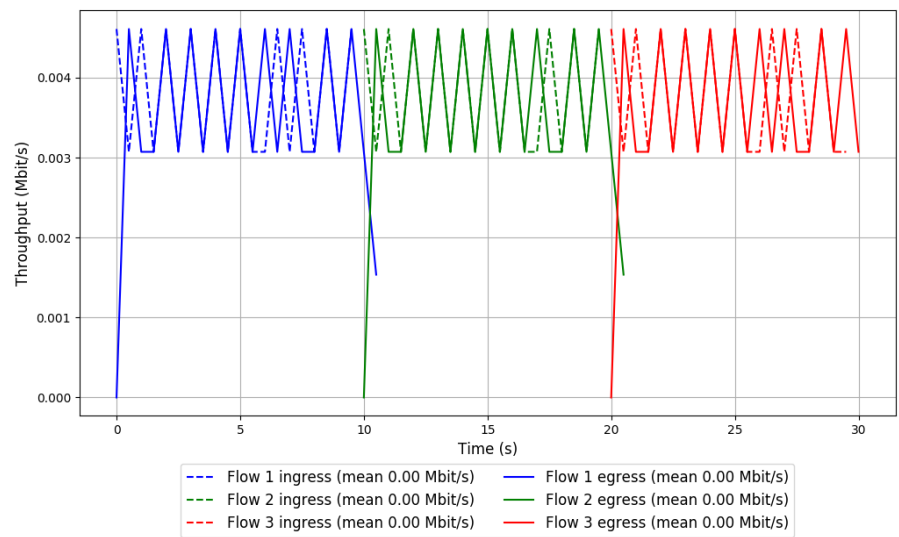


Run 7: Statistics of FillP-Sheep

Start at: 2018-06-30 06:39:54
End at: 2018-06-30 06:40:24
Local clock offset: 0.139 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.505 ms
Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-06-30 07:03:51

End at: 2018-06-30 07:04:21

Local clock offset: 0.019 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.386 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.552 ms

Loss rate: 0.00%

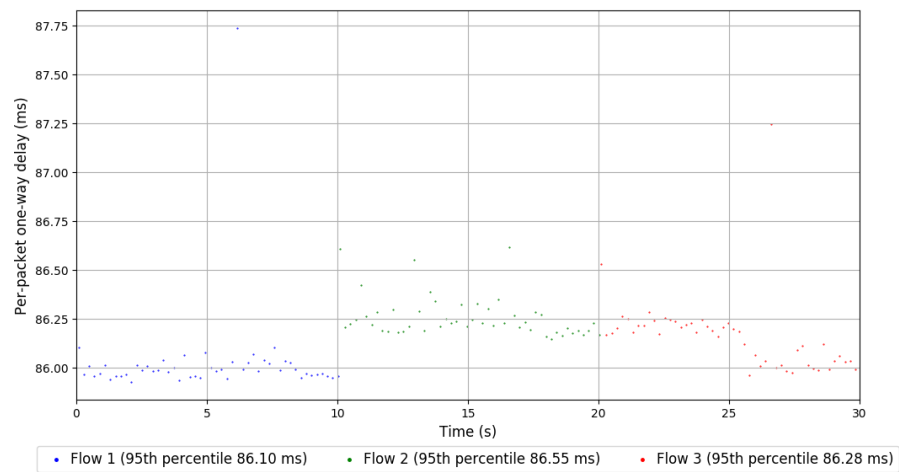
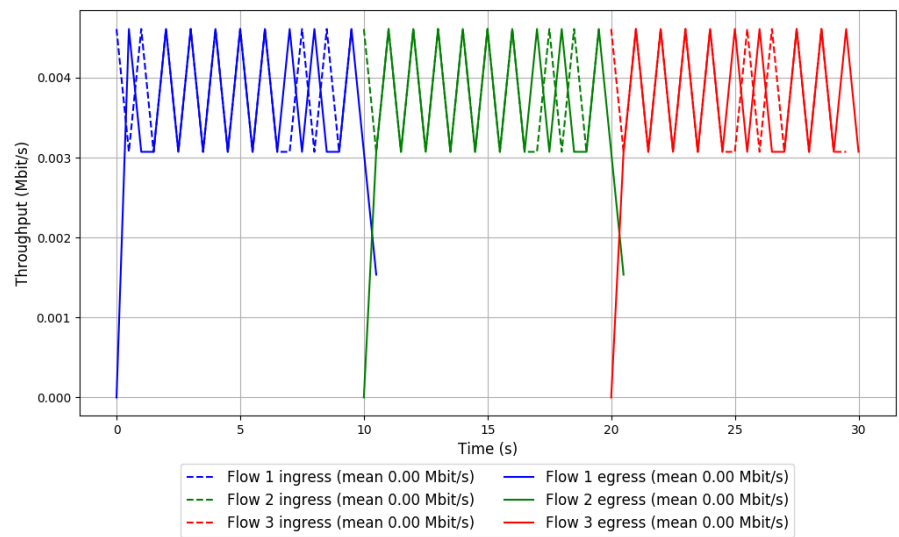
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.285 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

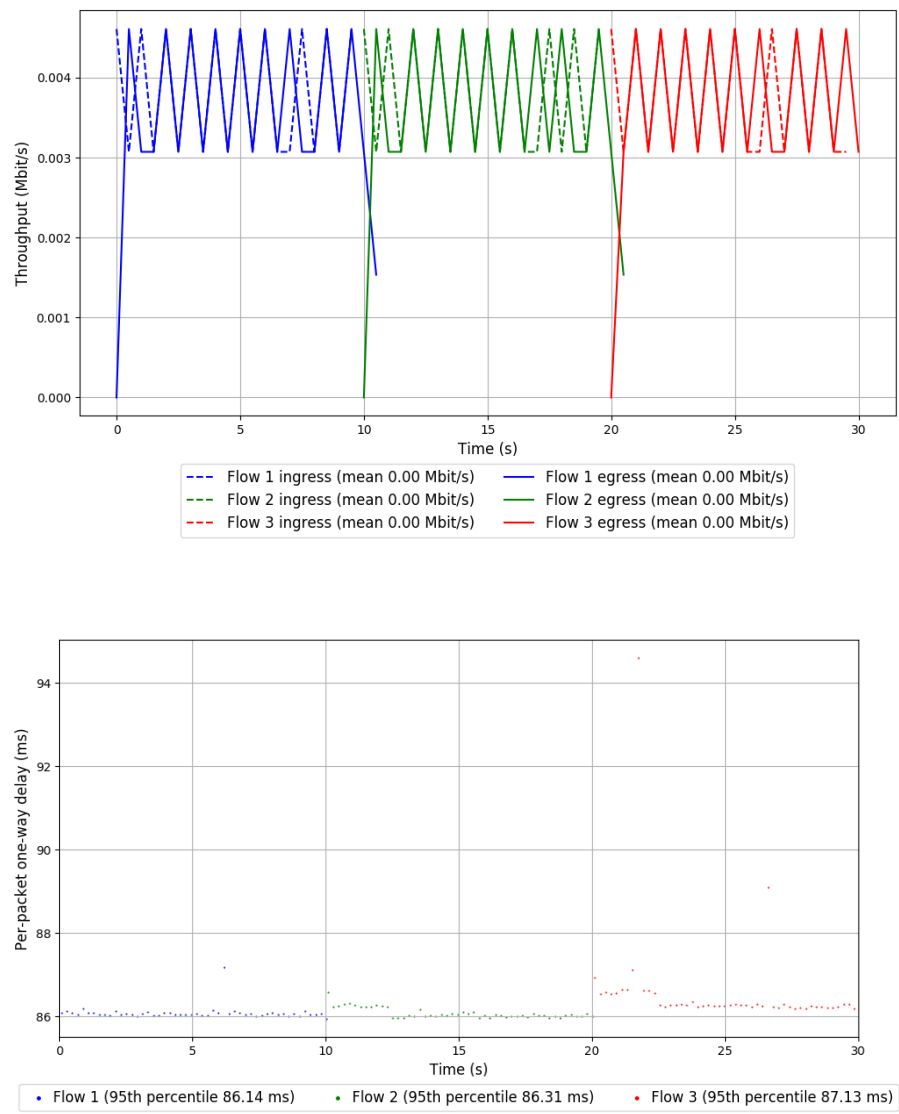


Run 9: Statistics of FillP-Sheep

Start at: 2018-06-30 07:27:53
End at: 2018-06-30 07:28:23
Local clock offset: 0.073 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.145 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.127 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

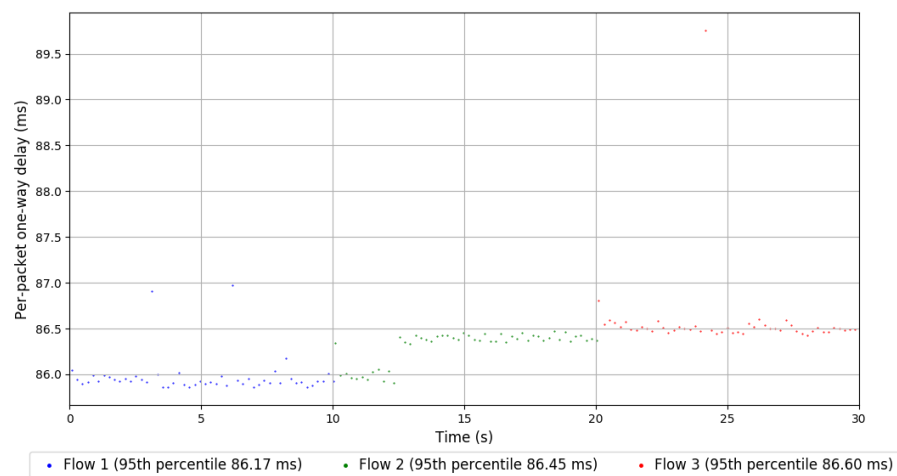
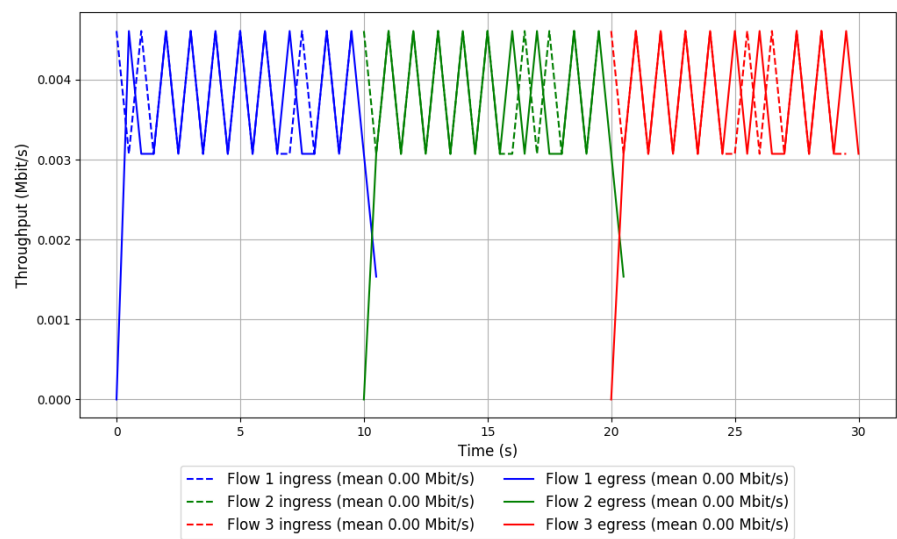


Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 07:51:34
End at: 2018-06-30 07:52:04
Local clock offset: -0.078 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.597 ms
Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

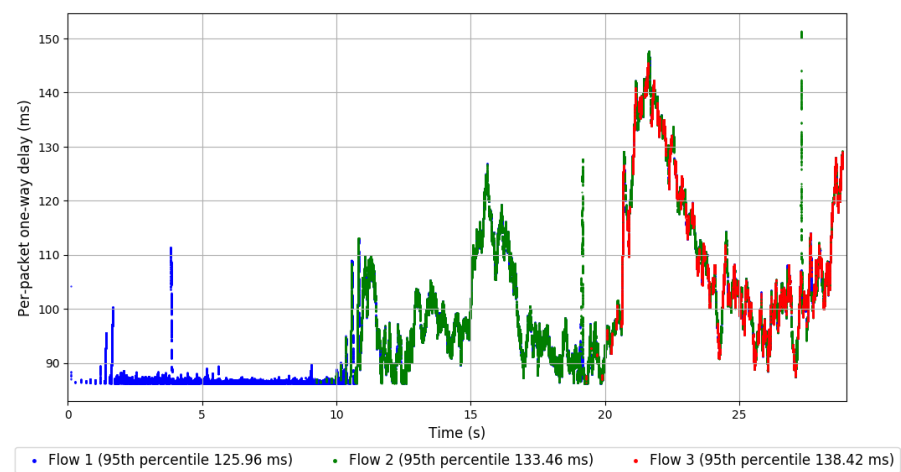
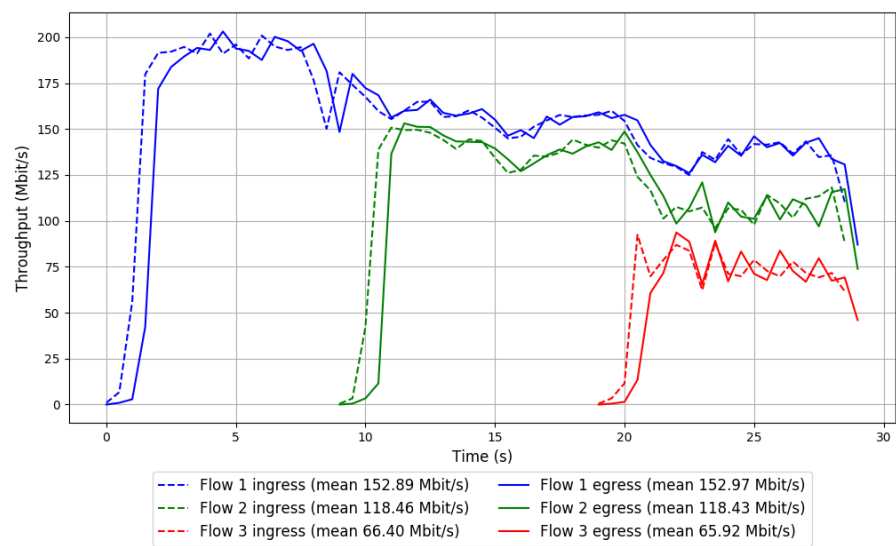


```
Run 1: Statistics of Indigo

Start at: 2018-06-30 04:24:25
End at: 2018-06-30 04:24:55
Local clock offset: -0.078 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-30 09:32:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.66 Mbit/s
95th percentile per-packet one-way delay: 132.492 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 152.97 Mbit/s
95th percentile per-packet one-way delay: 125.960 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 118.43 Mbit/s
95th percentile per-packet one-way delay: 133.459 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 65.92 Mbit/s
95th percentile per-packet one-way delay: 138.423 ms
Loss rate: 2.48%
```

Run 1: Report of Indigo — Data Link

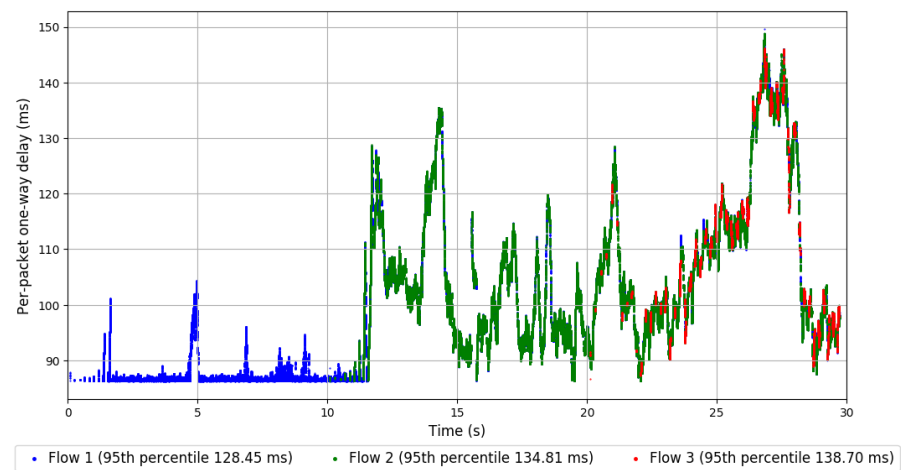
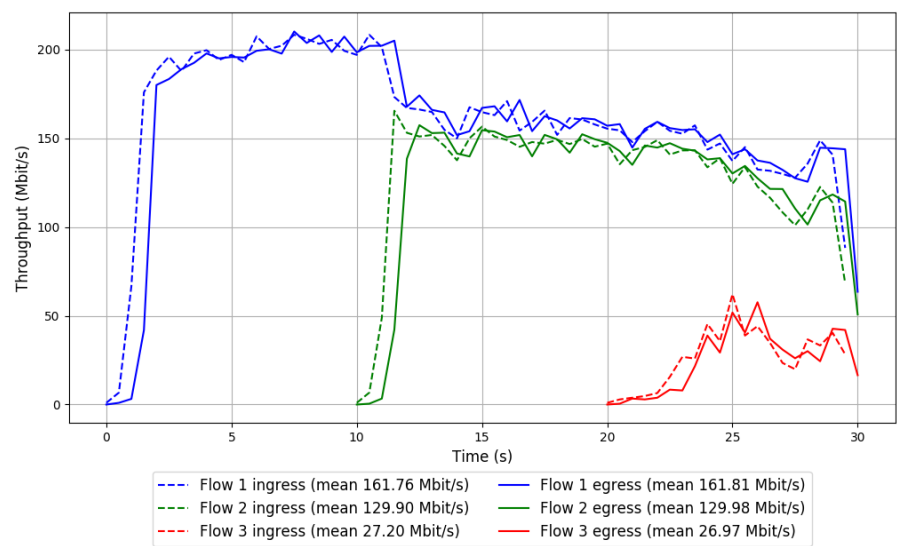


Run 2: Statistics of Indigo

Start at: 2018-06-30 04:48:14
End at: 2018-06-30 04:48:44
Local clock offset: 0.056 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.57 Mbit/s
95th percentile per-packet one-way delay: 133.102 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 128.447 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 129.98 Mbit/s
95th percentile per-packet one-way delay: 134.805 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 138.702 ms
Loss rate: 2.62%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-30 05:11:49

End at: 2018-06-30 05:12:19

Local clock offset: 0.331 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.76 Mbit/s

95th percentile per-packet one-way delay: 168.837 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 150.58 Mbit/s

95th percentile per-packet one-way delay: 149.182 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 111.89 Mbit/s

95th percentile per-packet one-way delay: 171.846 ms

Loss rate: 0.87%

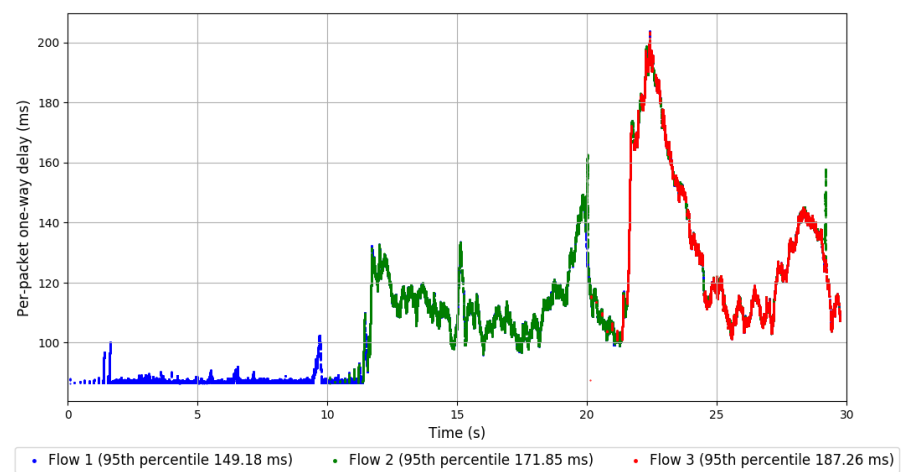
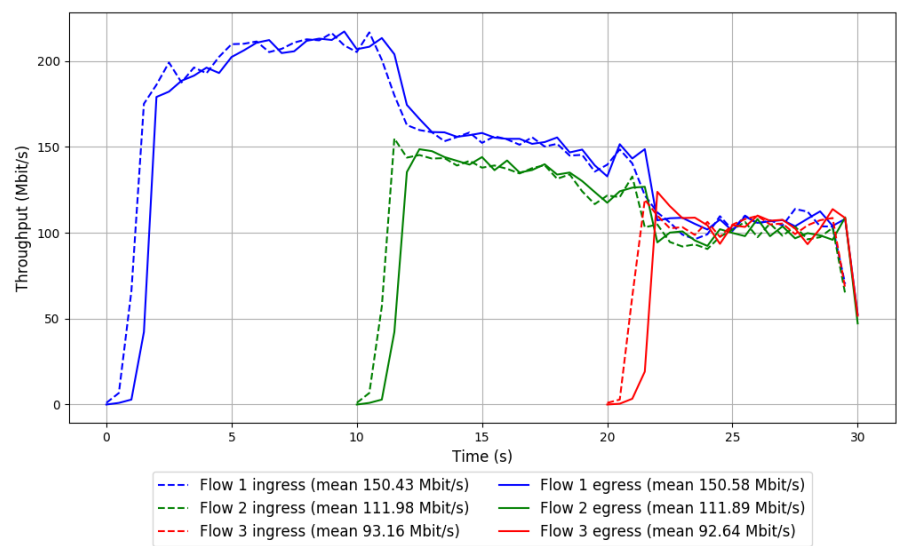
-- Flow 3:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 187.257 ms

Loss rate: 2.31%

Run 3: Report of Indigo — Data Link

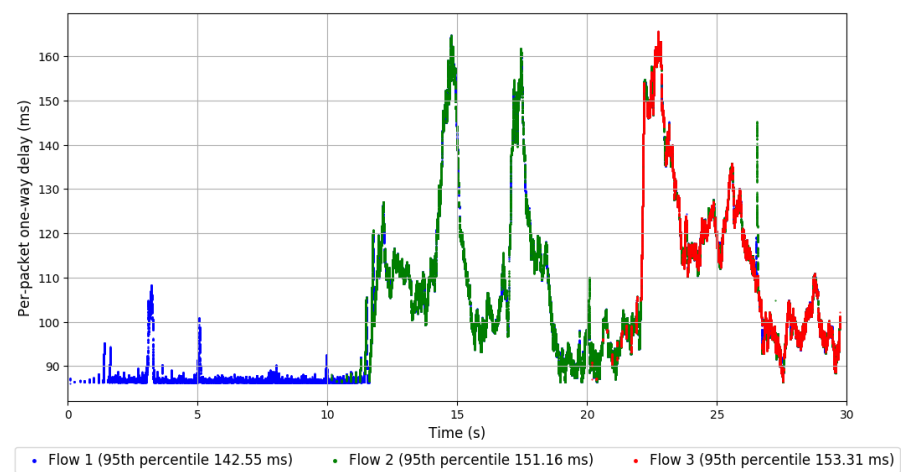
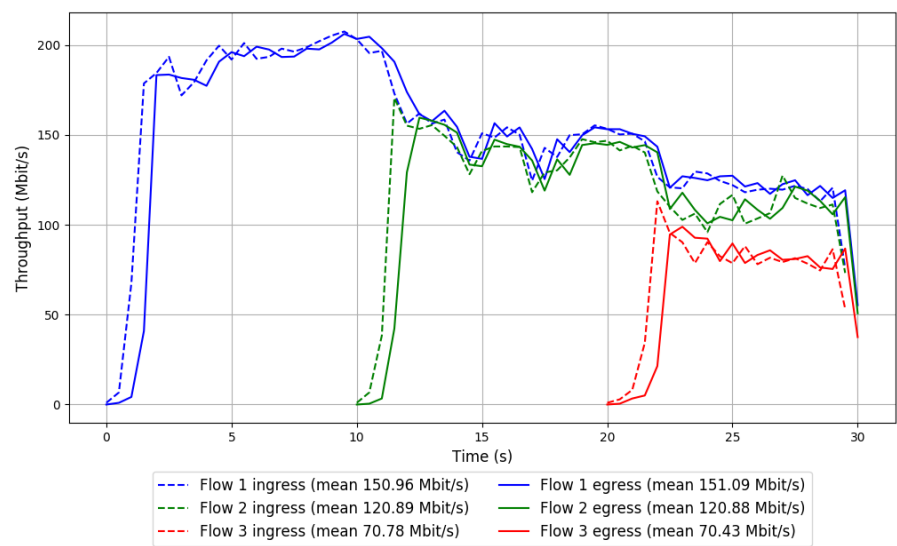


Run 4: Statistics of Indigo

Start at: 2018-06-30 05:35:37
End at: 2018-06-30 05:36:07
Local clock offset: -0.033 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.54 Mbit/s
95th percentile per-packet one-way delay: 148.272 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 142.547 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 120.88 Mbit/s
95th percentile per-packet one-way delay: 151.160 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 153.305 ms
Loss rate: 2.21%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-30 05:59:23

End at: 2018-06-30 05:59:53

Local clock offset: 0.021 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.87 Mbit/s

95th percentile per-packet one-way delay: 126.214 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 161.92 Mbit/s

95th percentile per-packet one-way delay: 123.111 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 127.08 Mbit/s

95th percentile per-packet one-way delay: 127.644 ms

Loss rate: 1.03%

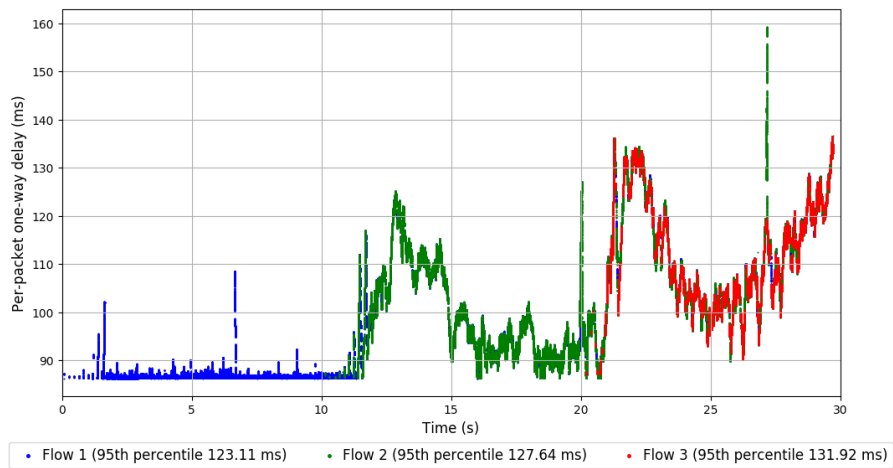
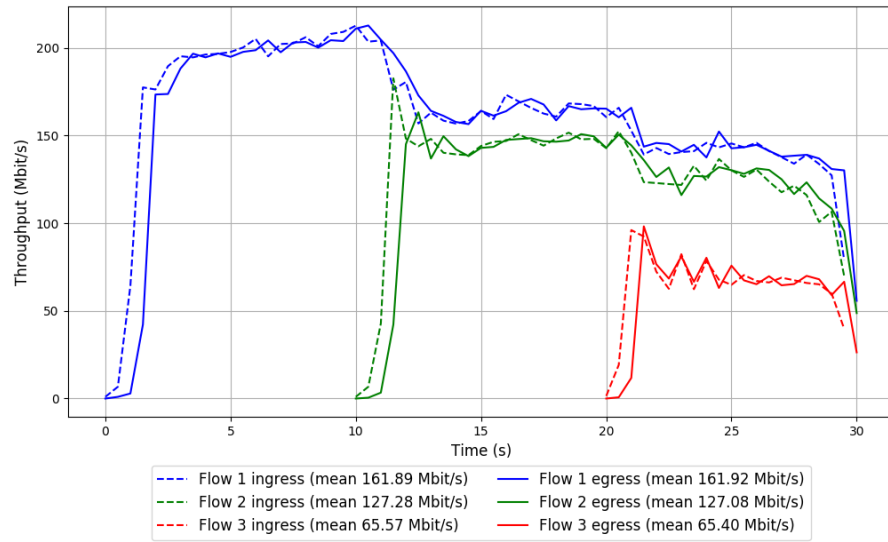
-- Flow 3:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 131.922 ms

Loss rate: 2.04%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-30 06:23:08

End at: 2018-06-30 06:23:38

Local clock offset: 0.067 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.93 Mbit/s

95th percentile per-packet one-way delay: 143.898 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 158.71 Mbit/s

95th percentile per-packet one-way delay: 127.541 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 120.97 Mbit/s

95th percentile per-packet one-way delay: 144.682 ms

Loss rate: 0.83%

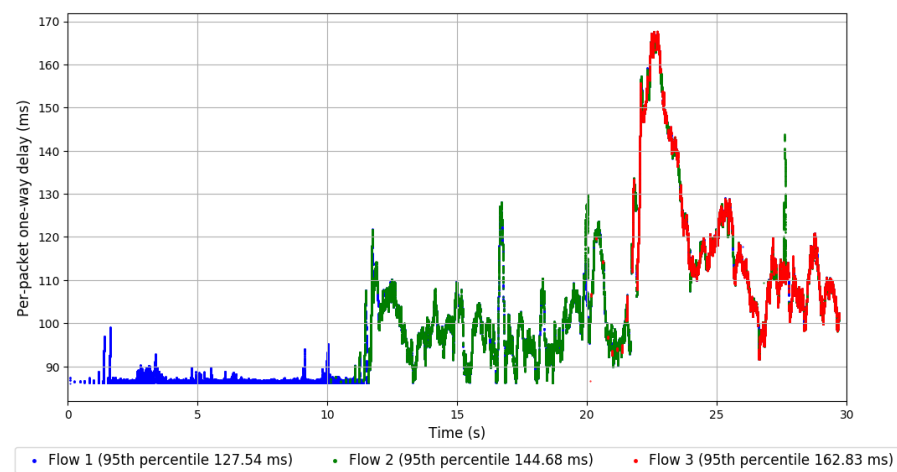
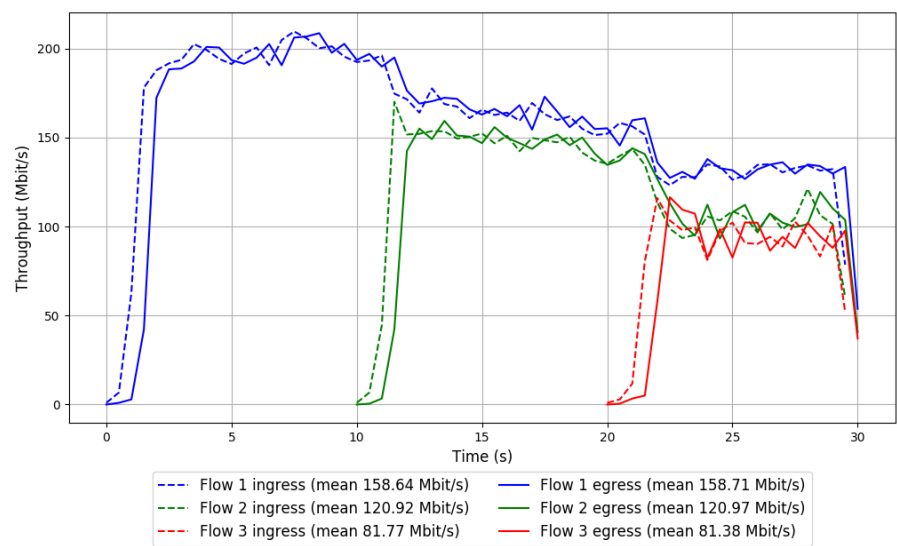
-- Flow 3:

Average throughput: 81.38 Mbit/s

95th percentile per-packet one-way delay: 162.831 ms

Loss rate: 2.25%

Run 6: Report of Indigo — Data Link

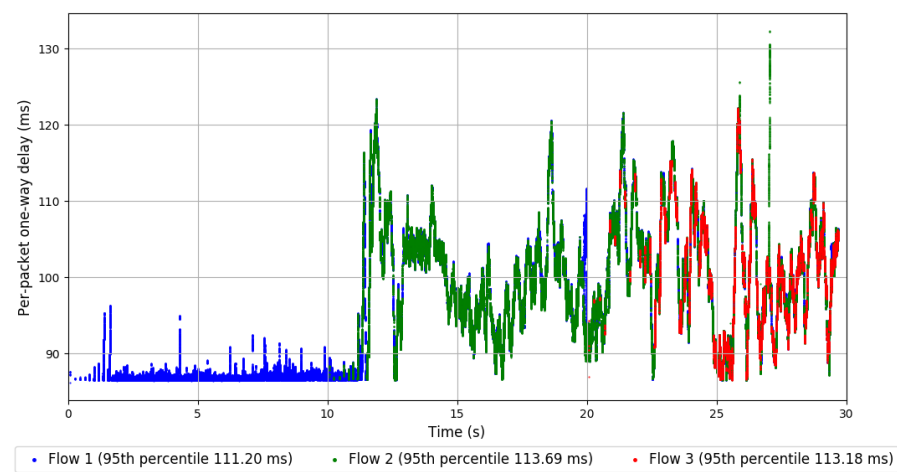
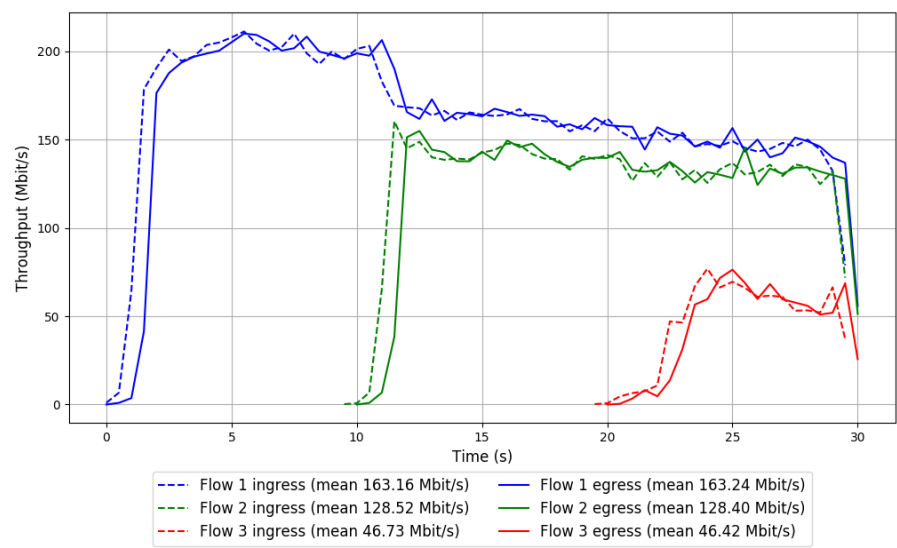


Run 7: Statistics of Indigo

Start at: 2018-06-30 06:46:37
End at: 2018-06-30 06:47:07
Local clock offset: 0.12 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.41 Mbit/s
95th percentile per-packet one-way delay: 112.255 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 163.24 Mbit/s
95th percentile per-packet one-way delay: 111.198 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 128.40 Mbit/s
95th percentile per-packet one-way delay: 113.692 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 46.42 Mbit/s
95th percentile per-packet one-way delay: 113.183 ms
Loss rate: 2.41%

Run 7: Report of Indigo — Data Link

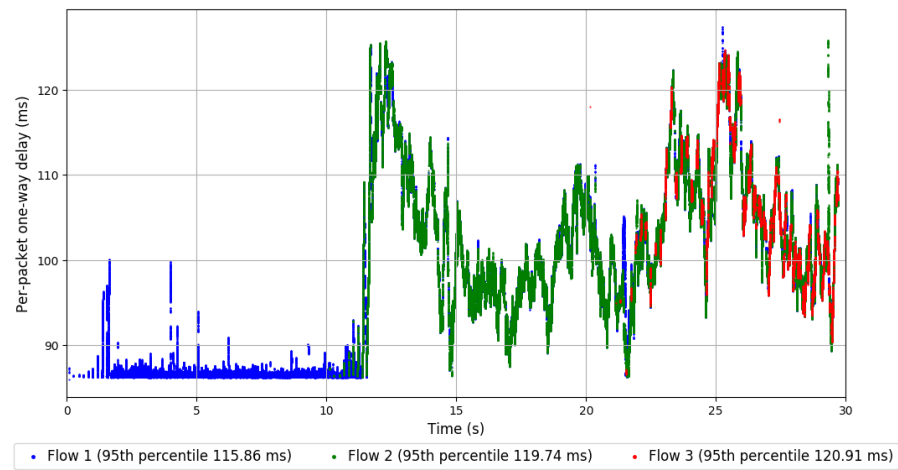
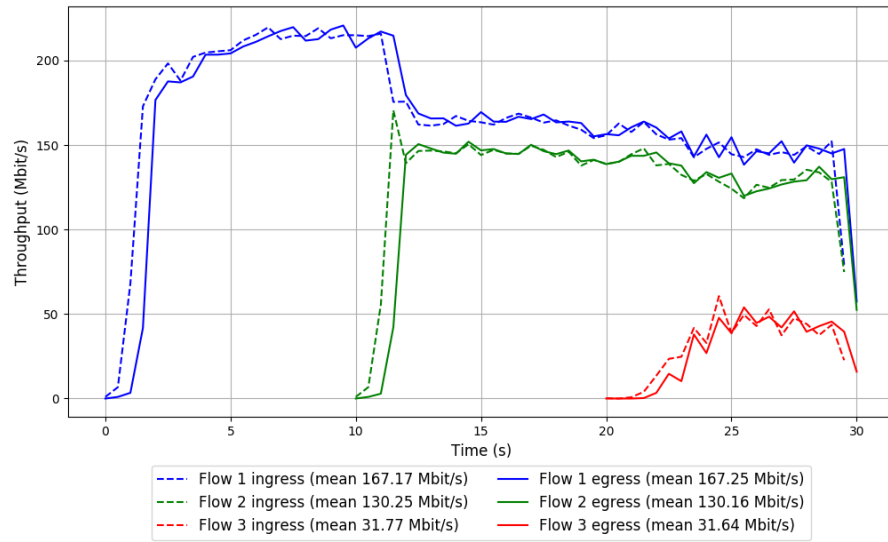


Run 8: Statistics of Indigo

Start at: 2018-06-30 07:10:36
End at: 2018-06-30 07:11:06
Local clock offset: -0.026 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.50 Mbit/s
95th percentile per-packet one-way delay: 118.039 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 167.25 Mbit/s
95th percentile per-packet one-way delay: 115.864 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 130.16 Mbit/s
95th percentile per-packet one-way delay: 119.741 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 120.913 ms
Loss rate: 2.44%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-30 07:34:39

End at: 2018-06-30 07:35:09

Local clock offset: 0.222 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 09:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.52 Mbit/s

95th percentile per-packet one-way delay: 157.812 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 154.37 Mbit/s

95th percentile per-packet one-way delay: 151.537 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 117.60 Mbit/s

95th percentile per-packet one-way delay: 158.084 ms

Loss rate: 0.96%

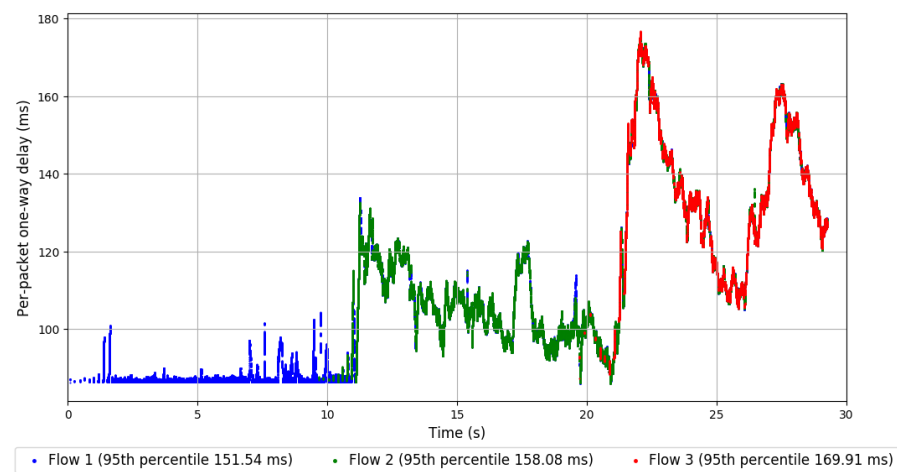
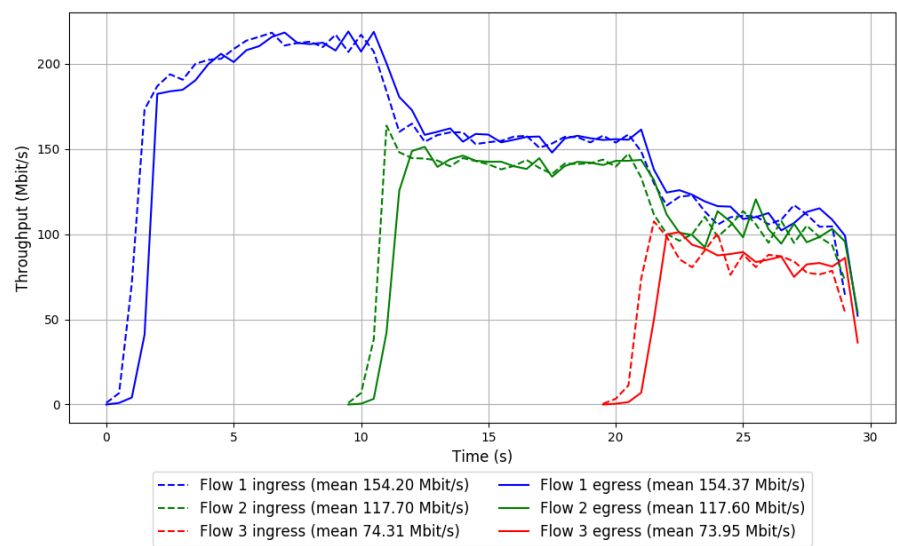
-- Flow 3:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 169.911 ms

Loss rate: 2.26%

Run 9: Report of Indigo — Data Link

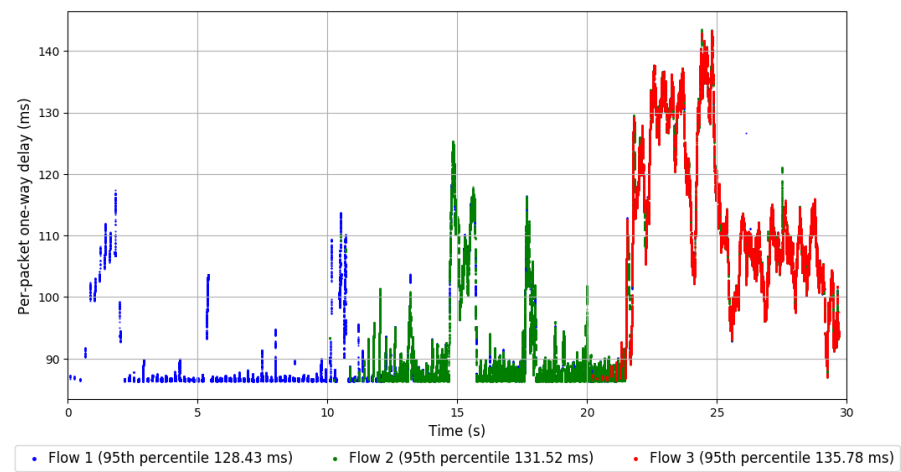
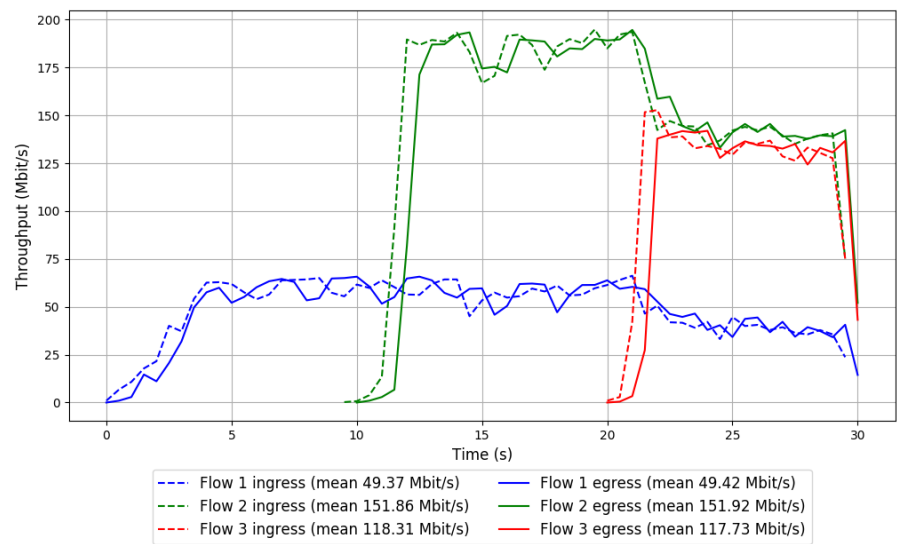


Run 10: Statistics of Indigo

Start at: 2018-06-30 07:58:18
End at: 2018-06-30 07:58:48
Local clock offset: 0.013 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.80 Mbit/s
95th percentile per-packet one-way delay: 132.788 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 128.434 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 151.92 Mbit/s
95th percentile per-packet one-way delay: 131.516 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 117.73 Mbit/s
95th percentile per-packet one-way delay: 135.781 ms
Loss rate: 2.24%

Run 10: Report of Indigo — Data Link

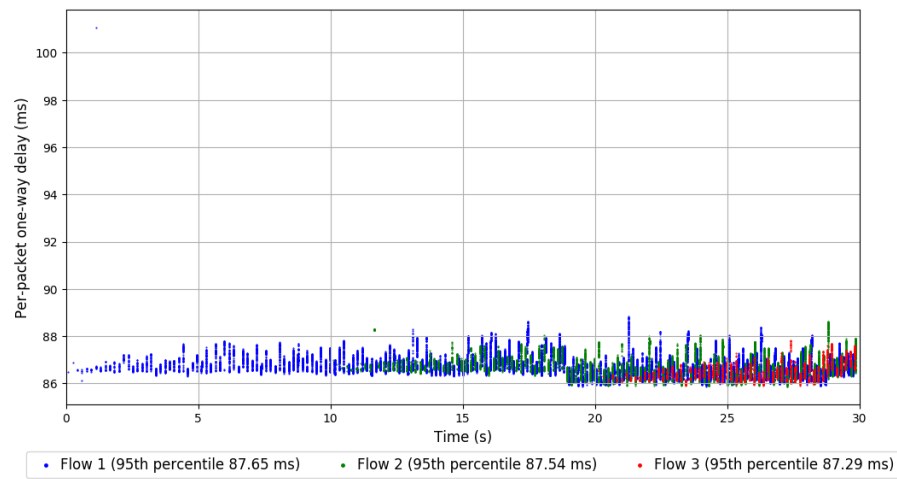
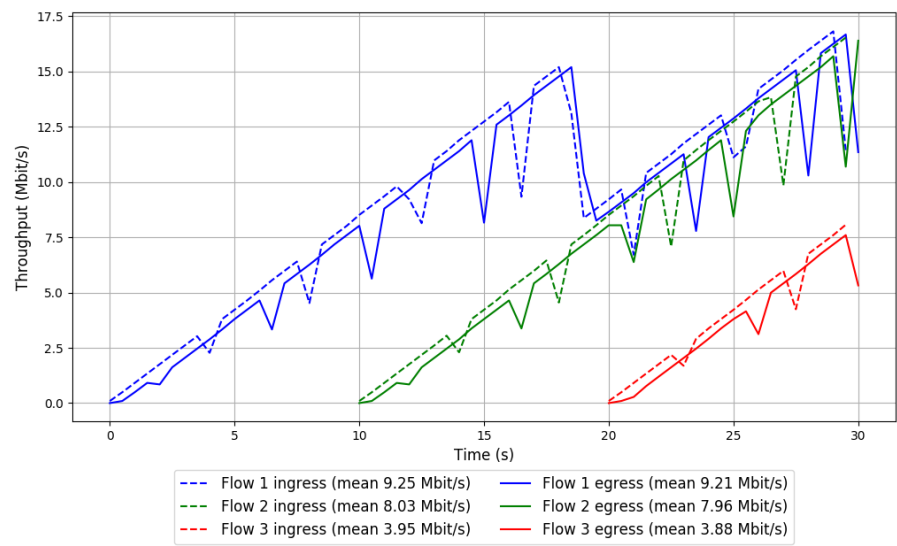


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 04:21:47
End at: 2018-06-30 04:22:17
Local clock offset: 0.029 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-30 09:32:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 87.593 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 87.653 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 87.540 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.294 ms
Loss rate: 3.52%
```


Run 1: Report of LEDBAT — Data Link

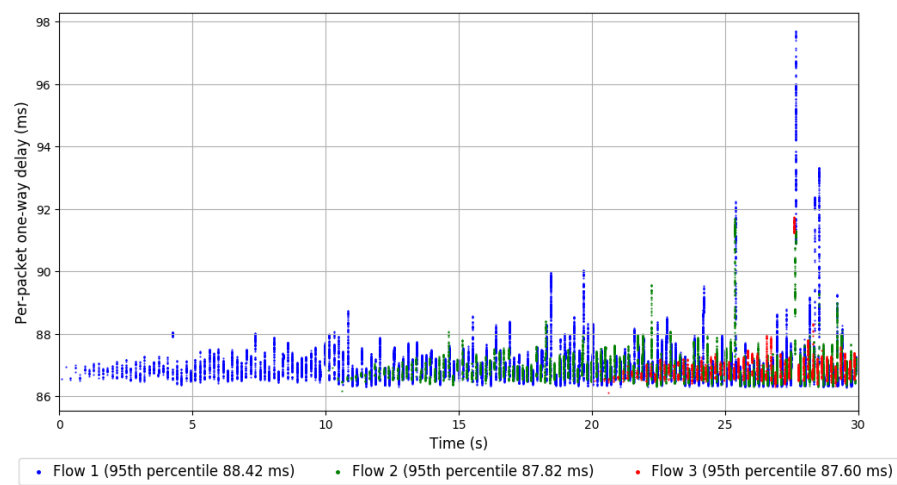
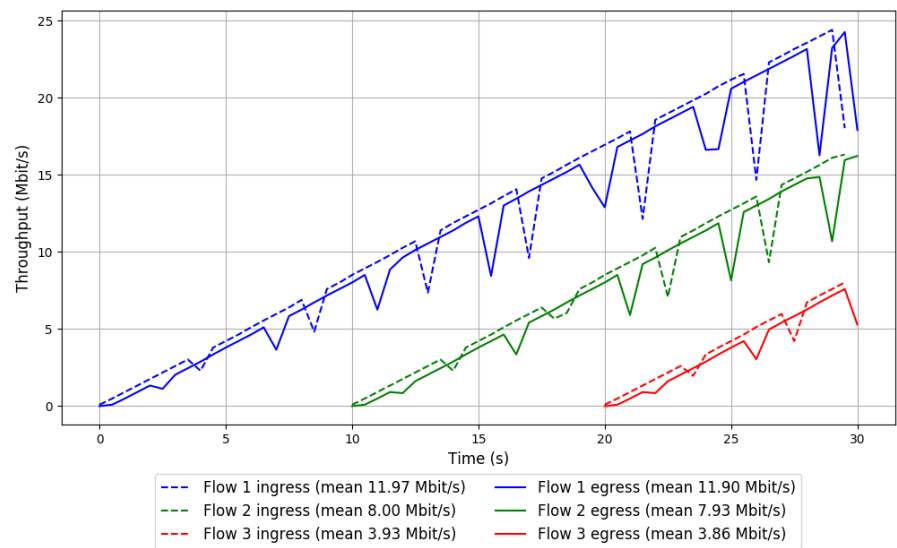


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 04:45:35
End at: 2018-06-30 04:46:05
Local clock offset: 0.075 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 88.190 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 88.421 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 87.821 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.596 ms
Loss rate: 3.50%

Run 2: Report of LEDBAT — Data Link

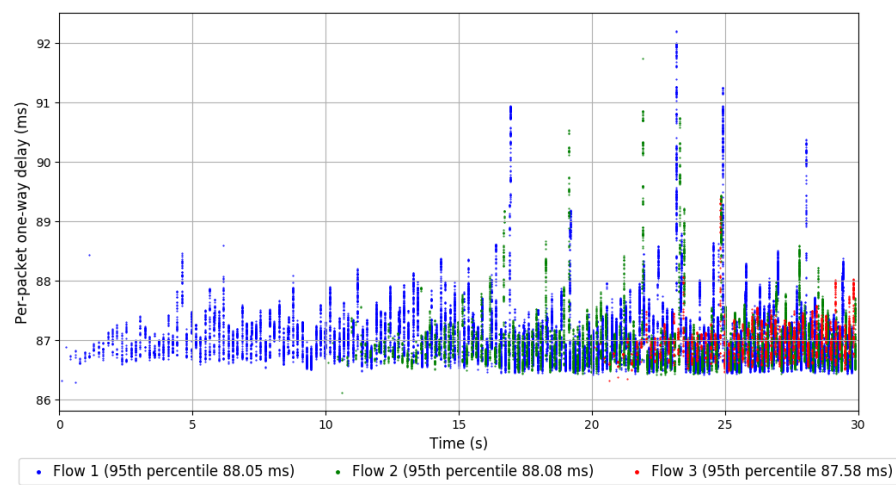
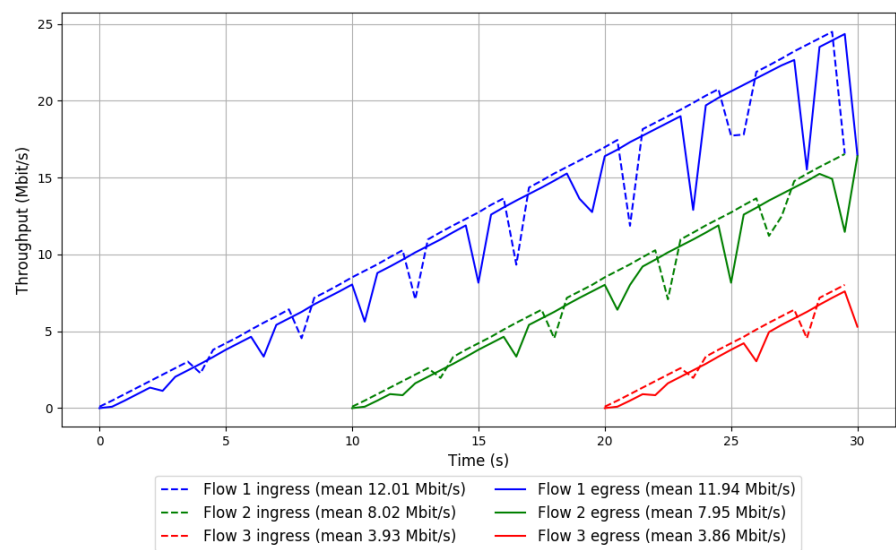


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 05:09:10
End at: 2018-06-30 05:09:40
Local clock offset: 0.205 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-30 09:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.44 Mbit/s
95th percentile per-packet one-way delay: 88.015 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 88.054 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 88.080 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.578 ms
Loss rate: 3.50%

Run 3: Report of LEDBAT — Data Link

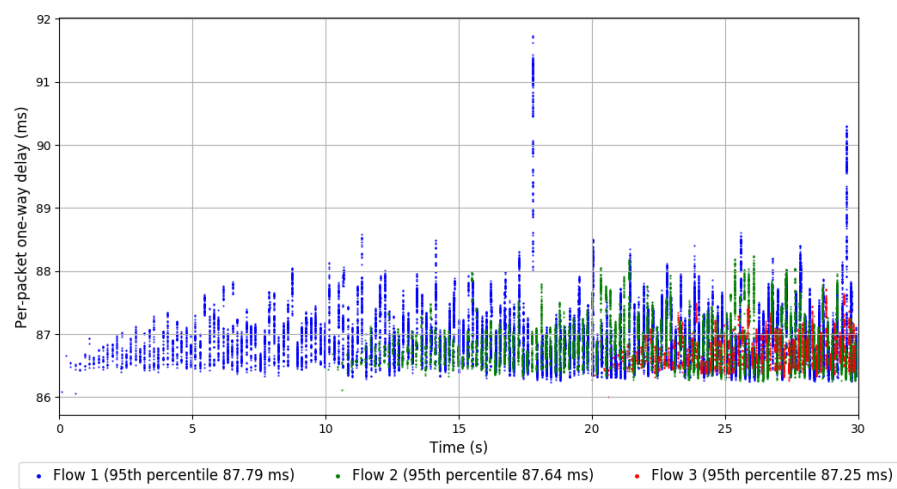
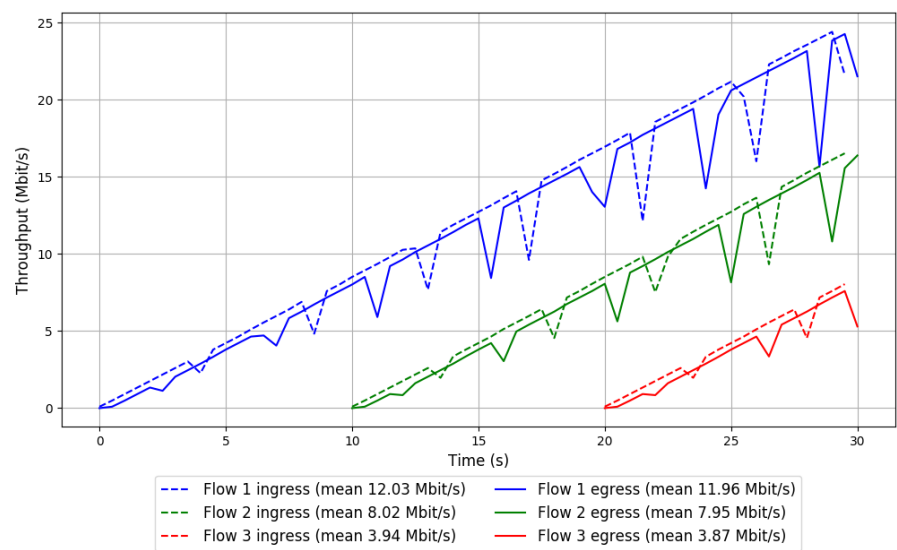


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 05:32:59
End at: 2018-06-30 05:33:29
Local clock offset: -0.027 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 87.724 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 87.787 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 87.642 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 87.245 ms
Loss rate: 3.53%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-30 05:56:43

End at: 2018-06-30 05:57:13

Local clock offset: 0.01 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.37 Mbit/s

95th percentile per-packet one-way delay: 88.094 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 88.316 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 87.766 ms

Loss rate: 1.74%

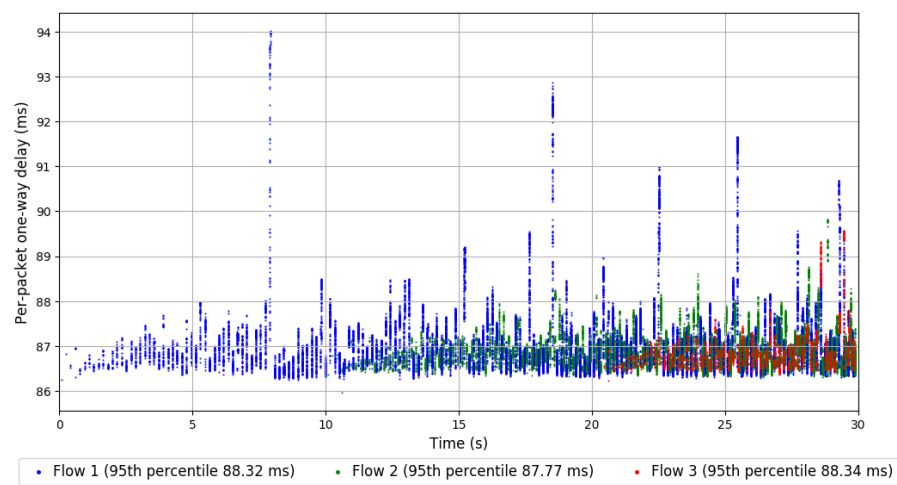
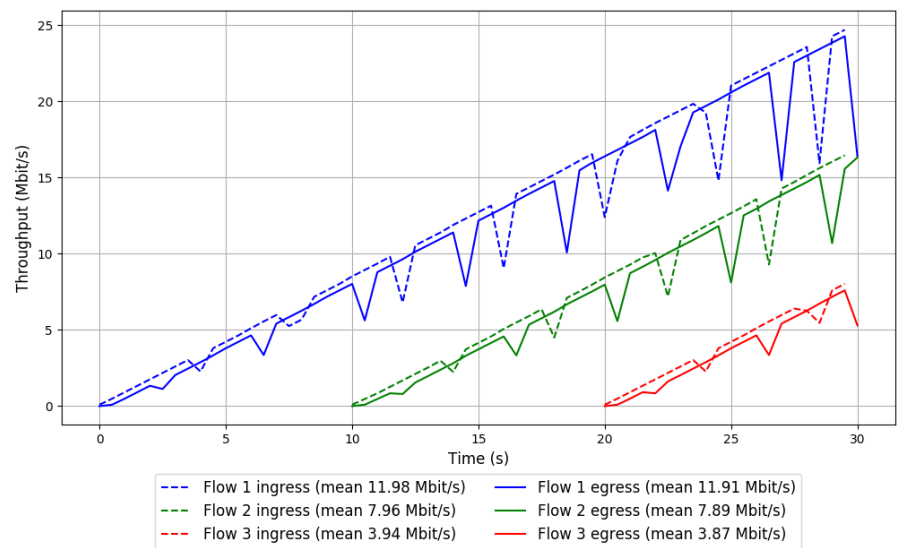
-- Flow 3:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 88.341 ms

Loss rate: 3.50%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-30 06:20:28

End at: 2018-06-30 06:20:58

Local clock offset: 0.265 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.49 Mbit/s

95th percentile per-packet one-way delay: 87.944 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 87.931 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 88.043 ms

Loss rate: 1.74%

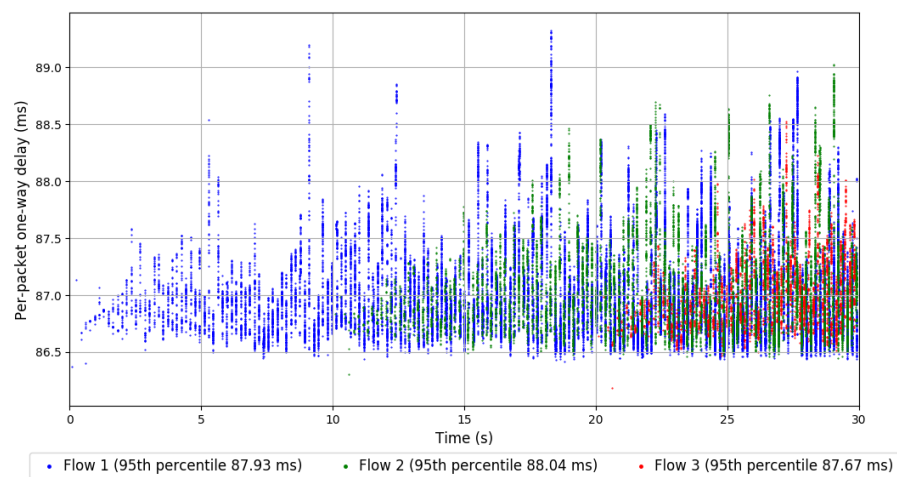
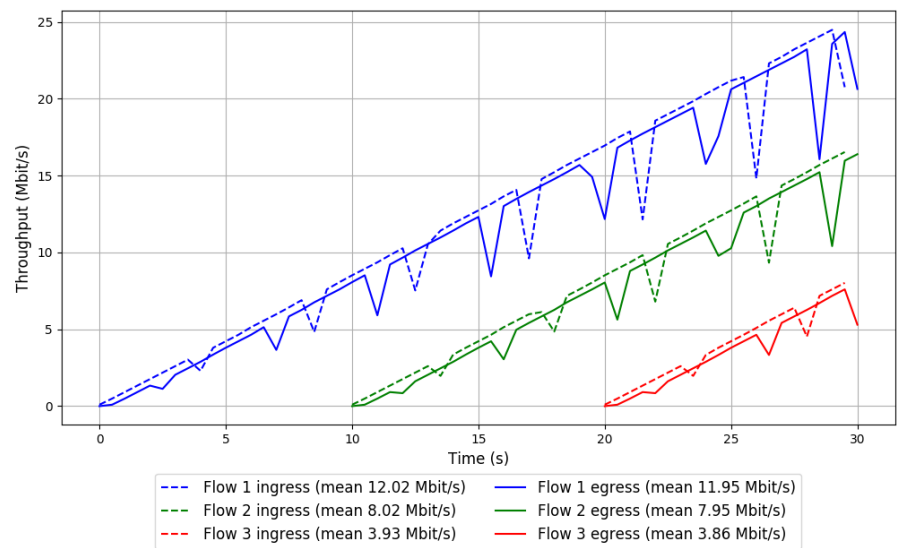
-- Flow 3:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 87.670 ms

Loss rate: 3.50%

Run 6: Report of LEDBAT — Data Link

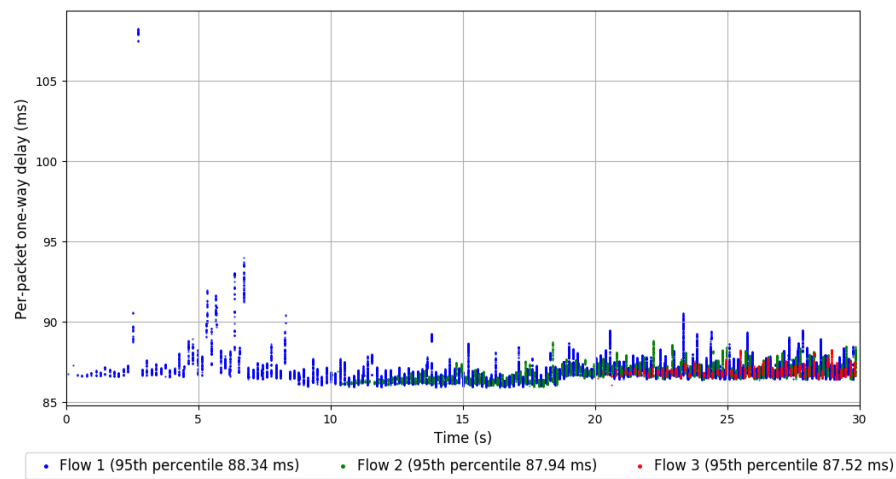
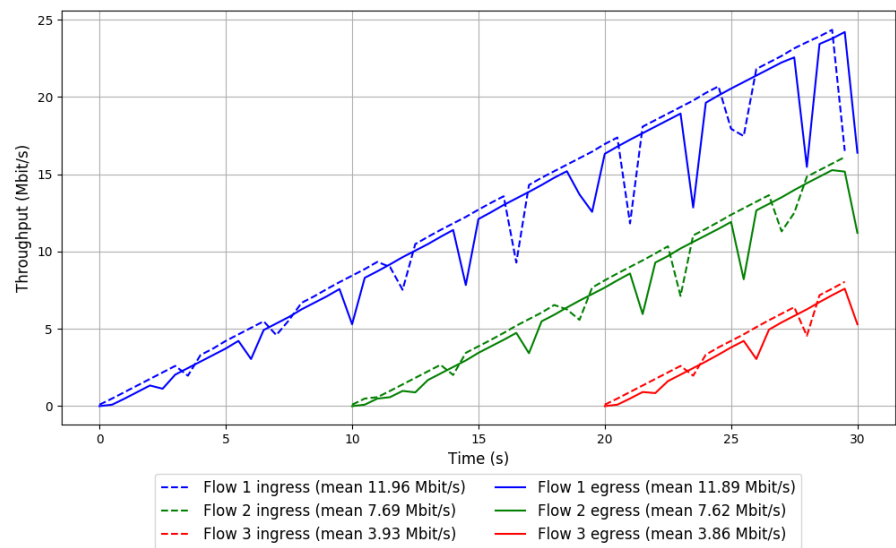


Run 7: Statistics of LEDBAT

Start at: 2018-06-30 06:43:57
End at: 2018-06-30 06:44:27
Local clock offset: 0.08 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 88.152 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 88.339 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 87.940 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.520 ms
Loss rate: 3.53%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-30 07:07:55

End at: 2018-06-30 07:08:25

Local clock offset: -0.046 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.36 Mbit/s

95th percentile per-packet one-way delay: 88.660 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 88.769 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 88.436 ms

Loss rate: 1.74%

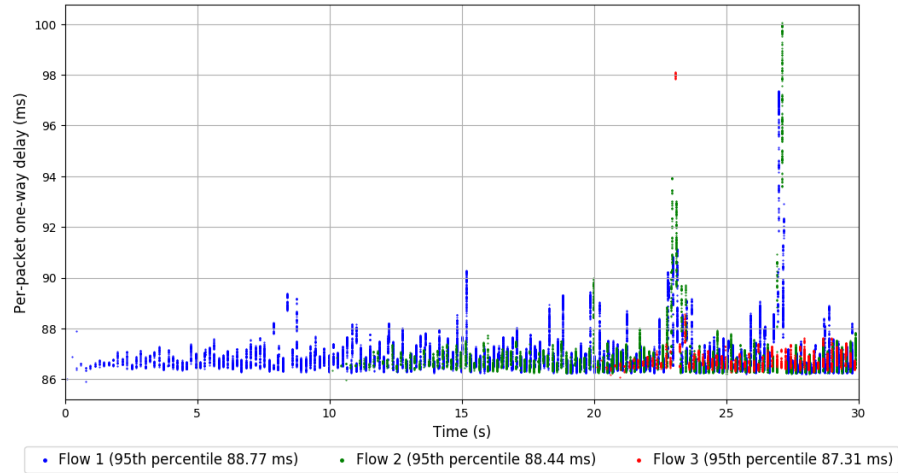
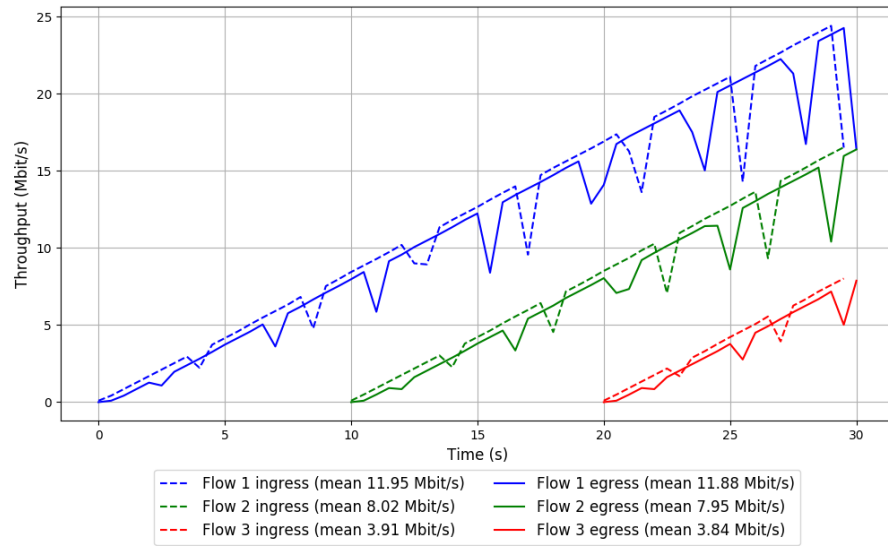
-- Flow 3:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 87.307 ms

Loss rate: 3.51%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-30 07:31:58

End at: 2018-06-30 07:32:28

Local clock offset: 0.033 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 88.331 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 88.479 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 88.207 ms

Loss rate: 1.74%

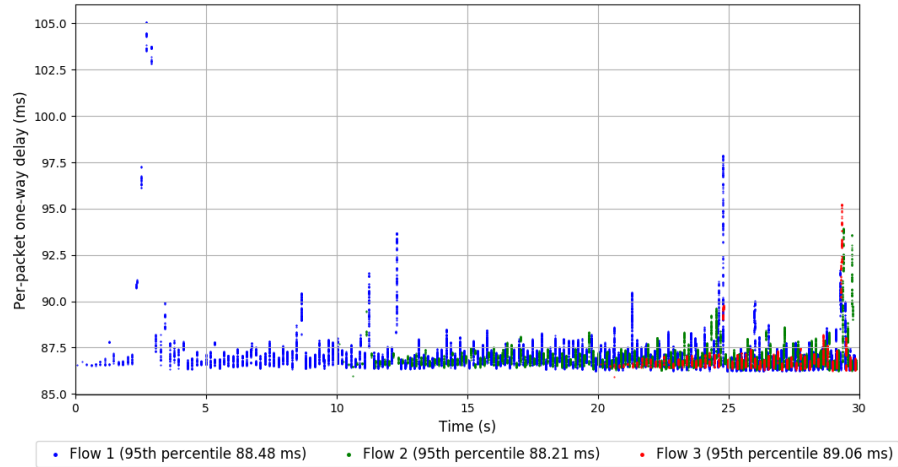
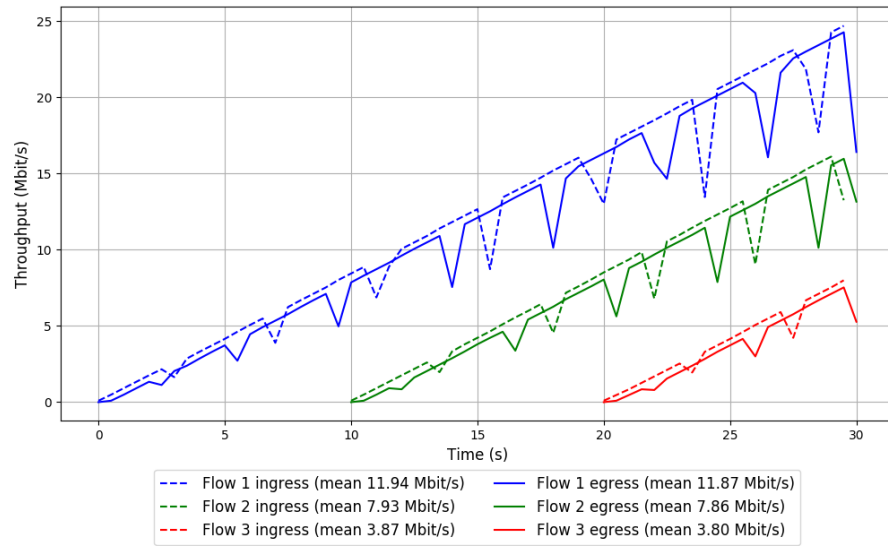
-- Flow 3:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 89.057 ms

Loss rate: 3.55%

Run 9: Report of LEDBAT — Data Link

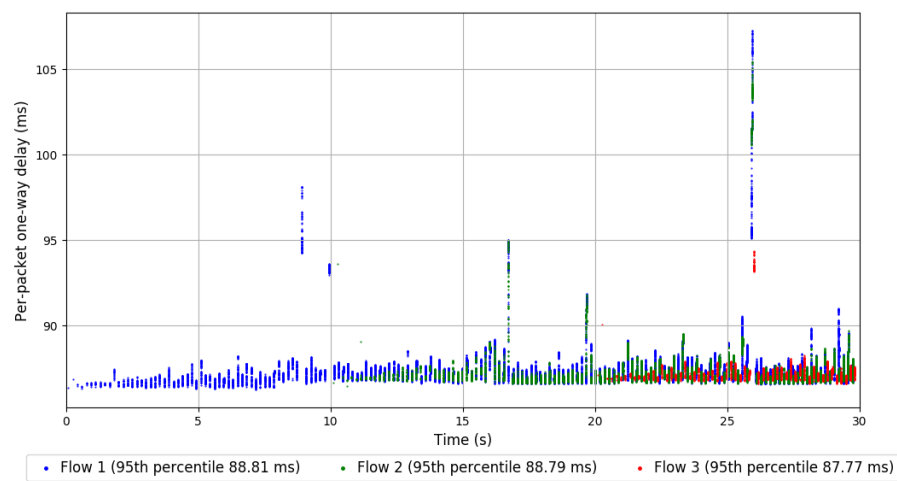
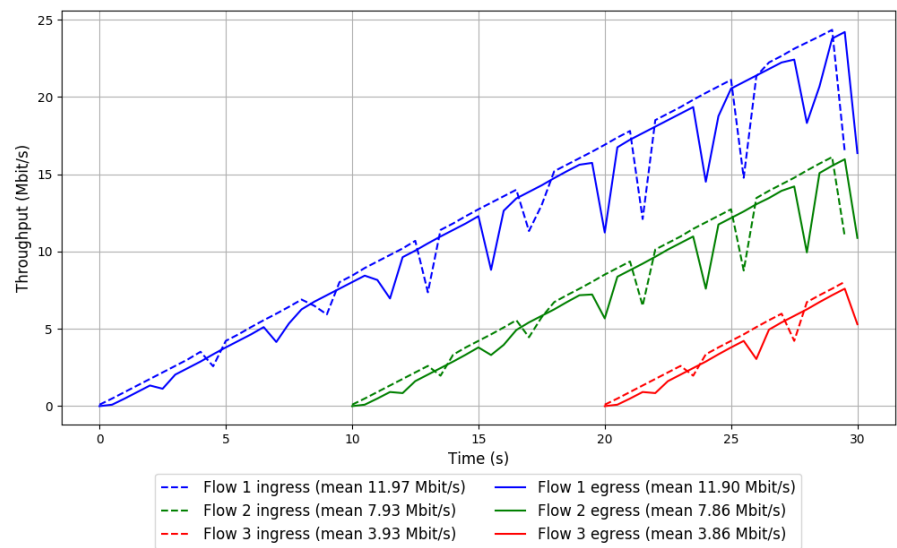


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 07:55:38
End at: 2018-06-30 07:56:08
Local clock offset: 0.273 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 88.744 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 88.808 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 88.792 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 87.774 ms
Loss rate: 3.53%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 04:16:19

End at: 2018-06-30 04:16:49

Local clock offset: -0.029 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.05 Mbit/s

95th percentile per-packet one-way delay: 143.431 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 247.14 Mbit/s

95th percentile per-packet one-way delay: 144.929 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 131.548 ms

Loss rate: 0.95%

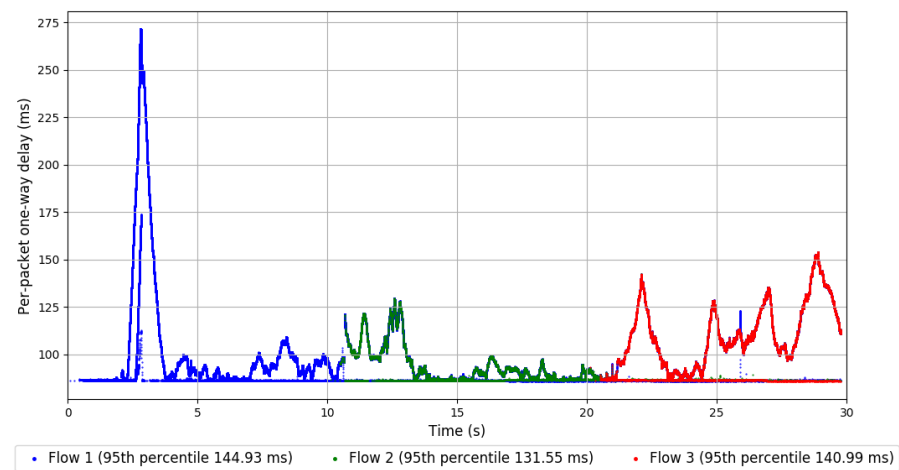
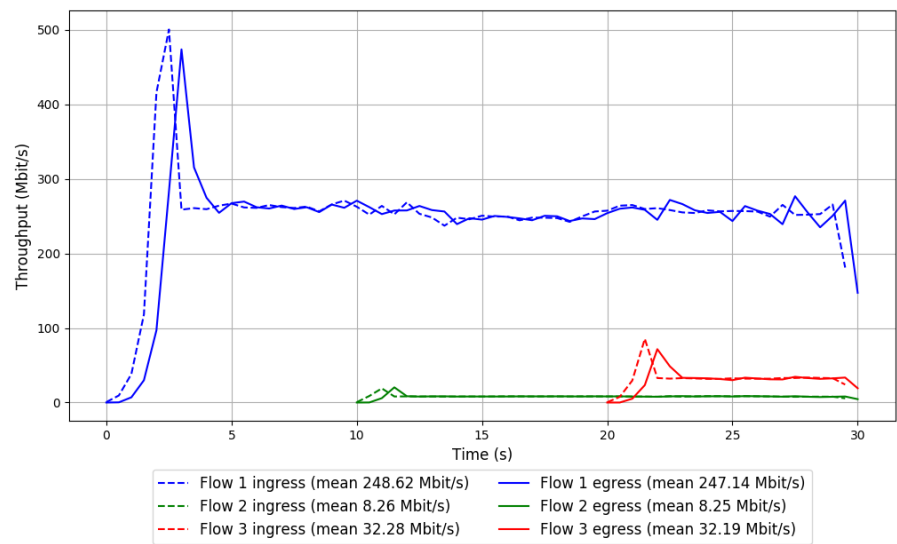
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 140.993 ms

Loss rate: 2.10%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 04:40:09

End at: 2018-06-30 04:40:39

Local clock offset: -0.198 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.08 Mbit/s

95th percentile per-packet one-way delay: 143.262 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 162.28 Mbit/s

95th percentile per-packet one-way delay: 138.893 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 128.37 Mbit/s

95th percentile per-packet one-way delay: 165.104 ms

Loss rate: 1.21%

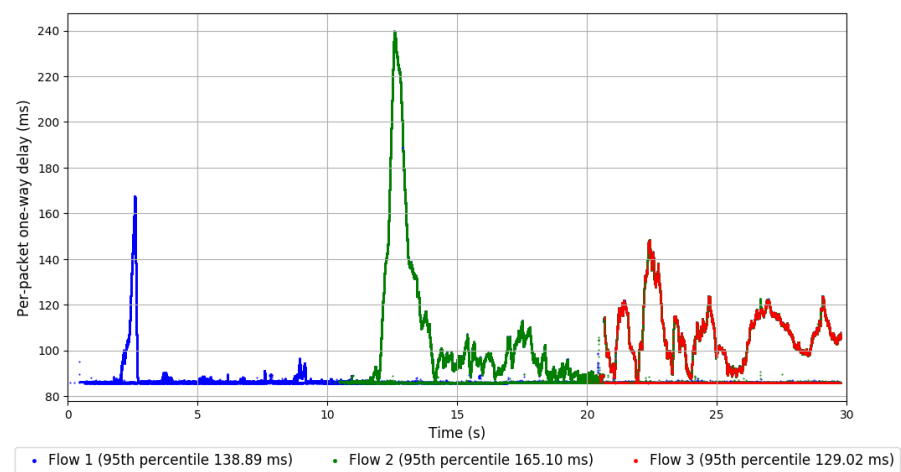
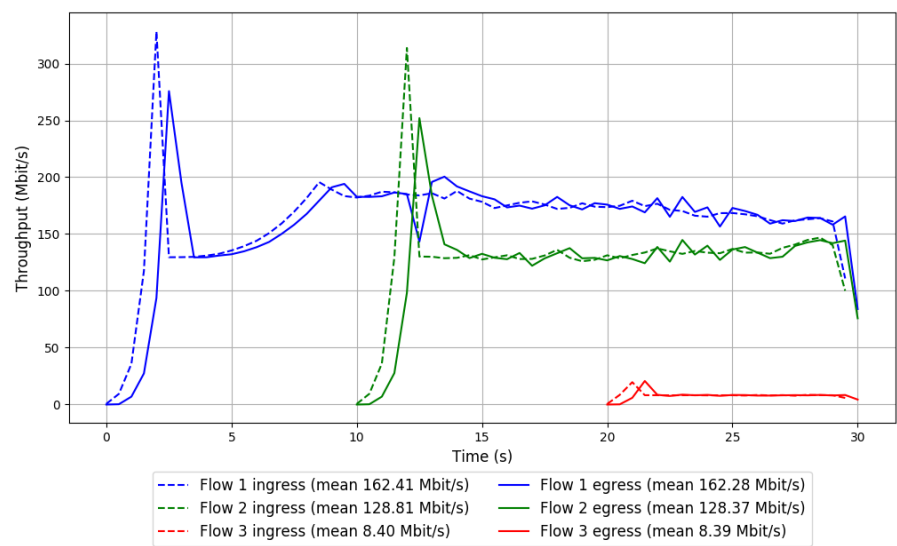
-- Flow 3:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 129.020 ms

Loss rate: 1.92%

Run 2: Report of PCC-Allegro — Data Link

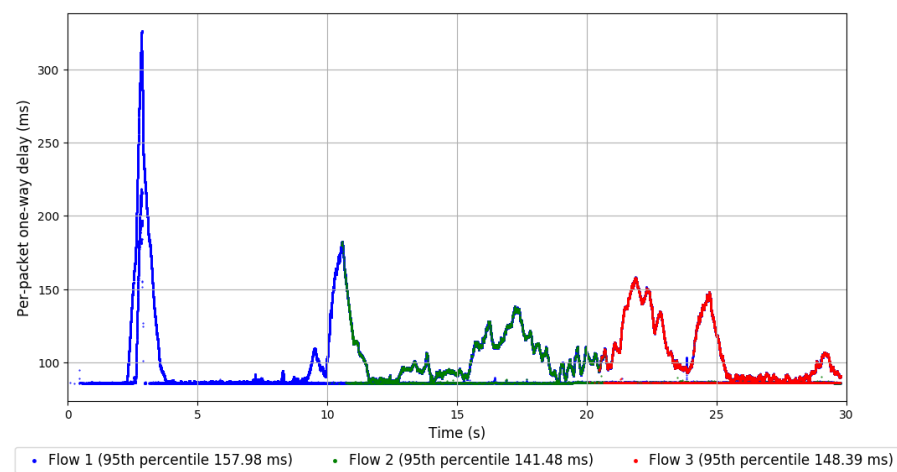
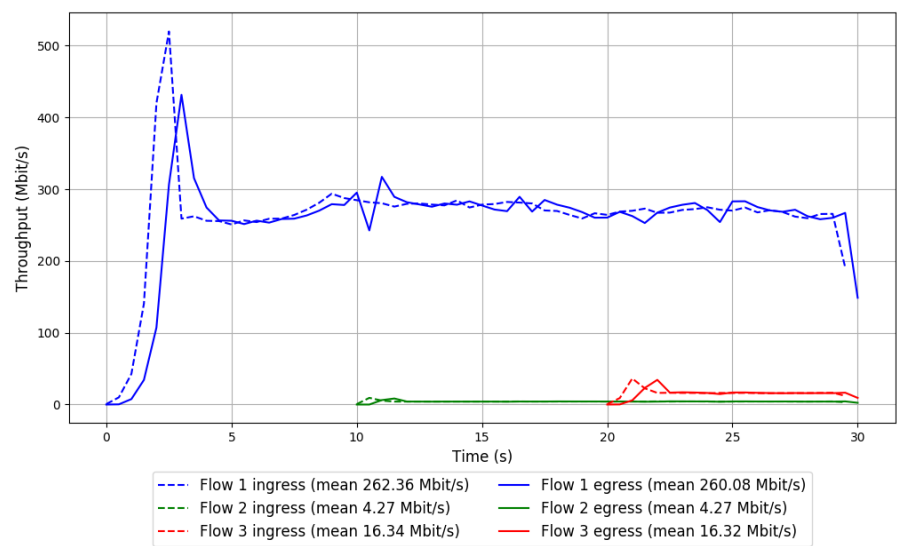


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 05:03:46
End at: 2018-06-30 05:04:16
Local clock offset: 0.159 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.23 Mbit/s
95th percentile per-packet one-way delay: 157.167 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 260.08 Mbit/s
95th percentile per-packet one-way delay: 157.978 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 141.481 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 148.391 ms
Loss rate: 1.86%

Run 3: Report of PCC-Allegro — Data Link

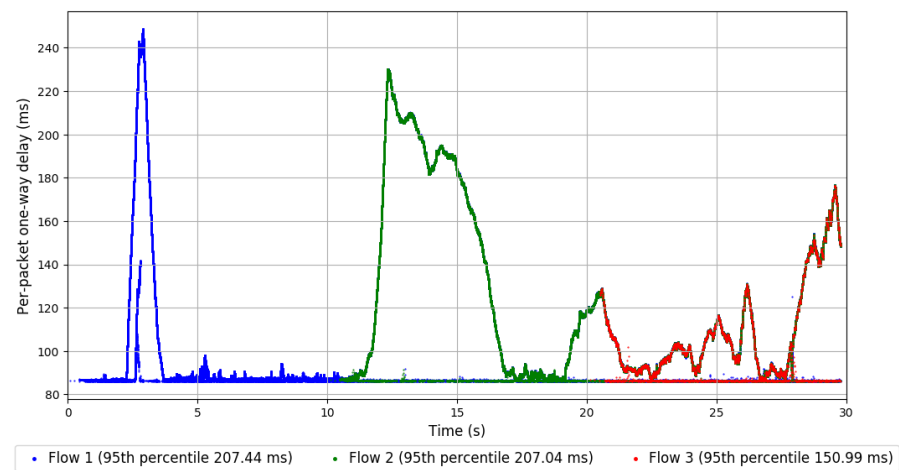
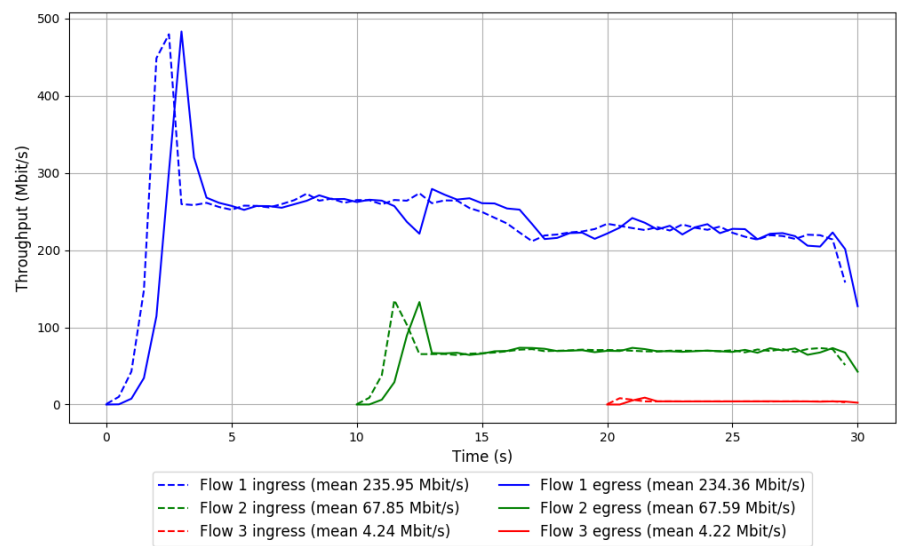


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 05:27:31
End at: 2018-06-30 05:28:01
Local clock offset: 0.235 ms
Remote clock offset: -0.056 ms

```
# Below is generated by plot.py at 2018-06-30 09:32:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 280.47 Mbit/s
95th percentile per-packet one-way delay: 207.308 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 234.36 Mbit/s
95th percentile per-packet one-way delay: 207.437 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 67.59 Mbit/s
95th percentile per-packet one-way delay: 207.041 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 150.989 ms
Loss rate: 2.32%
```

Run 4: Report of PCC-Allegro — Data Link

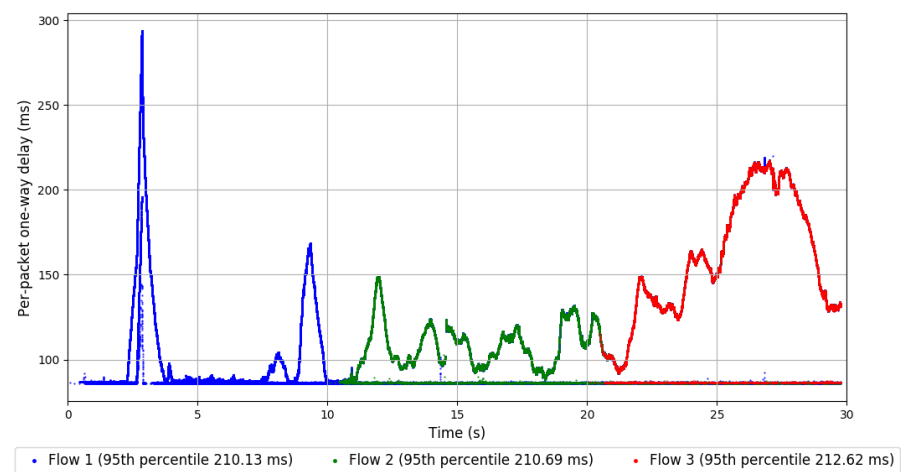
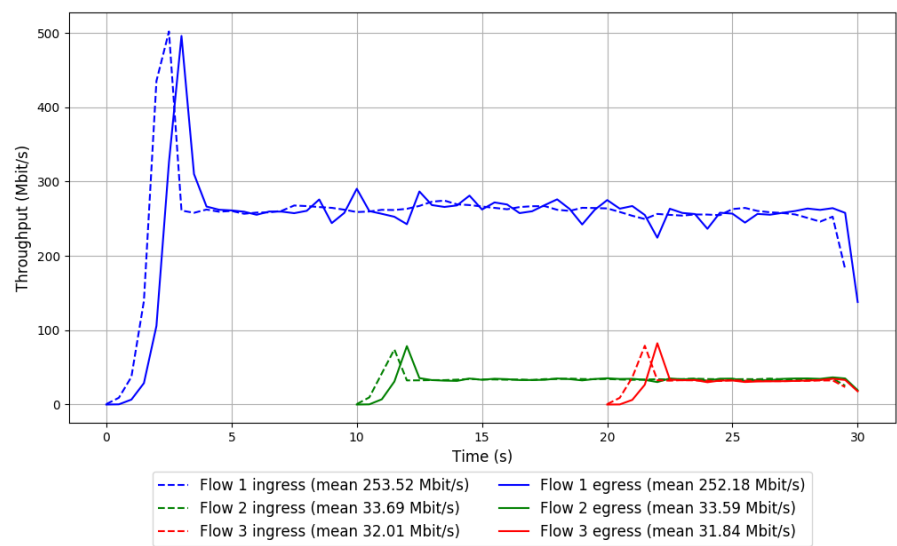


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 05:51:15
End at: 2018-06-30 05:51:45
Local clock offset: 0.234 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.82 Mbit/s
95th percentile per-packet one-way delay: 210.513 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 252.18 Mbit/s
95th percentile per-packet one-way delay: 210.127 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 210.690 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 212.616 ms
Loss rate: 2.26%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 06:15:04

End at: 2018-06-30 06:15:34

Local clock offset: 0.037 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.99 Mbit/s

95th percentile per-packet one-way delay: 148.044 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 239.20 Mbit/s

95th percentile per-packet one-way delay: 148.067 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 148.257 ms

Loss rate: 0.91%

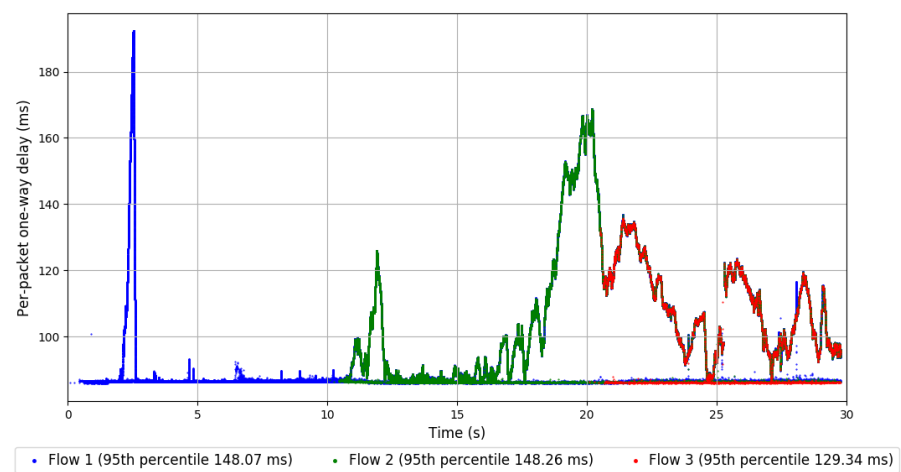
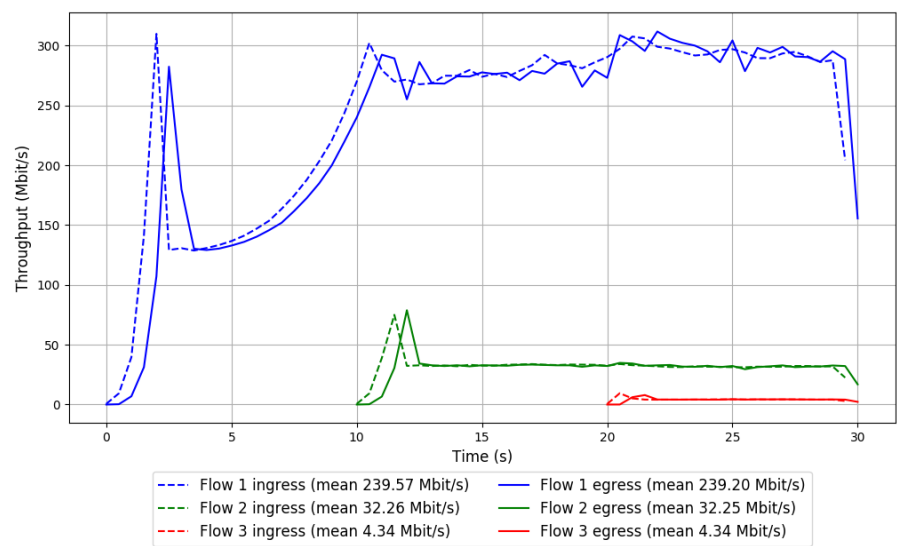
-- Flow 3:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 129.338 ms

Loss rate: 1.78%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 06:38:31

End at: 2018-06-30 06:39:01

Local clock offset: -0.021 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-30 09:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.92 Mbit/s

95th percentile per-packet one-way delay: 159.715 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 251.64 Mbit/s

95th percentile per-packet one-way delay: 160.434 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 61.53 Mbit/s

95th percentile per-packet one-way delay: 159.109 ms

Loss rate: 0.92%

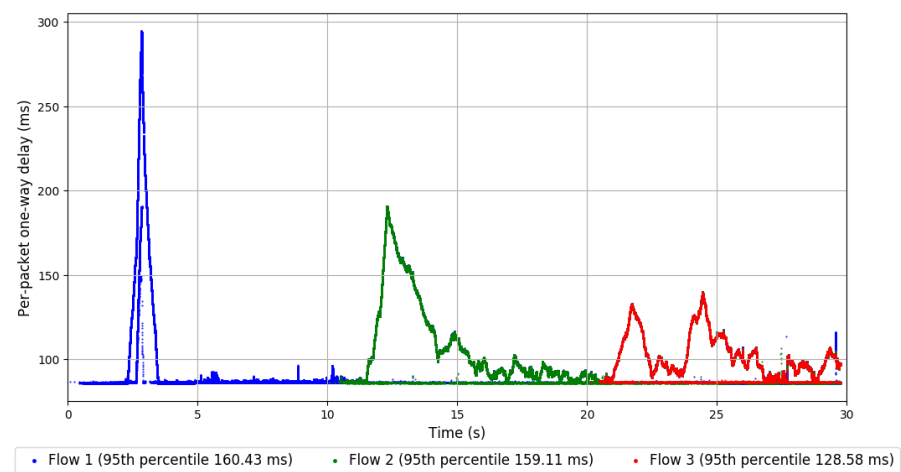
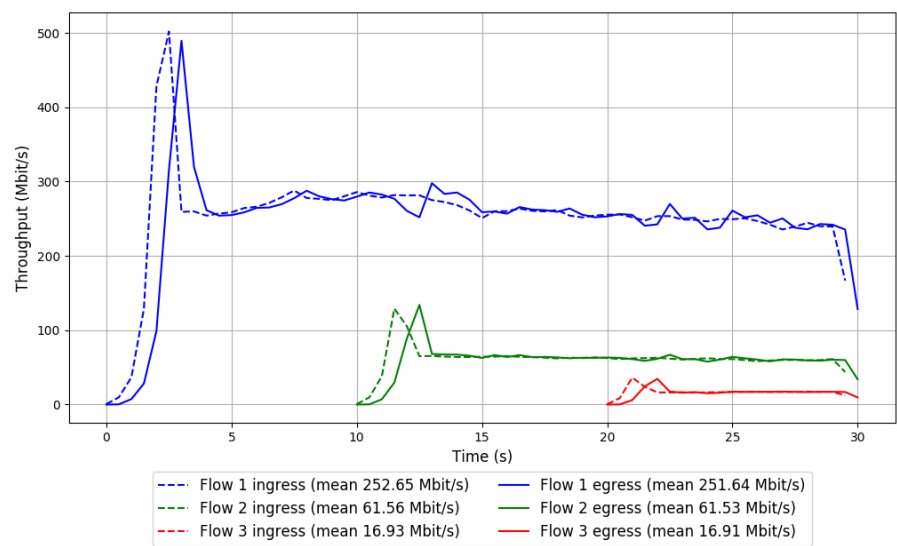
-- Flow 3:

Average throughput: 16.91 Mbit/s

95th percentile per-packet one-way delay: 128.579 ms

Loss rate: 1.84%

Run 7: Report of PCC-Allegro — Data Link

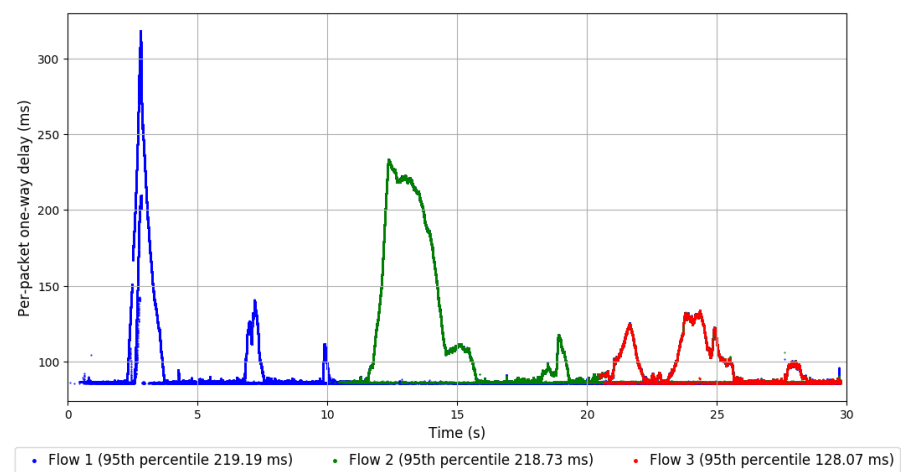
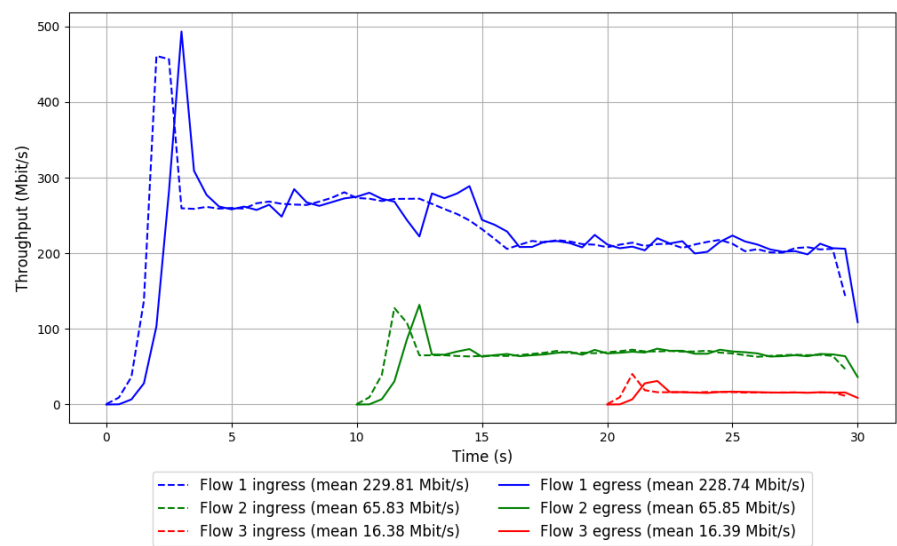


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 07:02:27
End at: 2018-06-30 07:02:57
Local clock offset: 0.019 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.73 Mbit/s
95th percentile per-packet one-way delay: 218.985 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 228.74 Mbit/s
95th percentile per-packet one-way delay: 219.192 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 65.85 Mbit/s
95th percentile per-packet one-way delay: 218.727 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 16.39 Mbit/s
95th percentile per-packet one-way delay: 128.069 ms
Loss rate: 1.73%

Run 8: Report of PCC-Allegro — Data Link

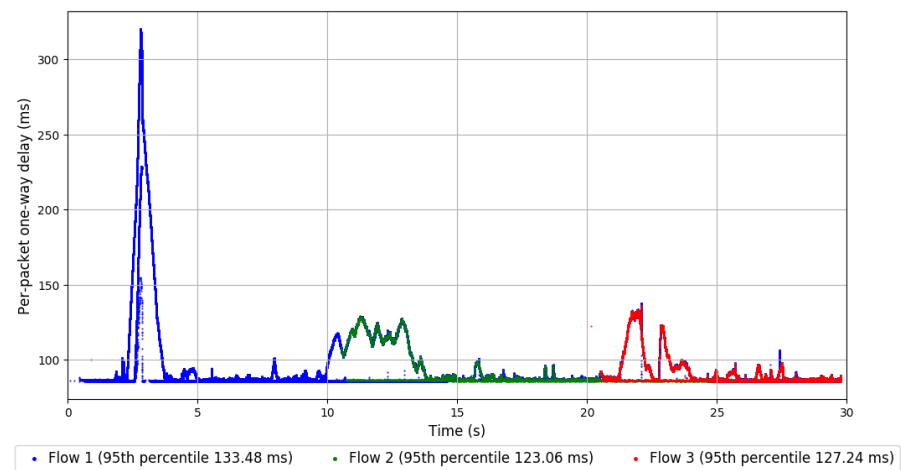
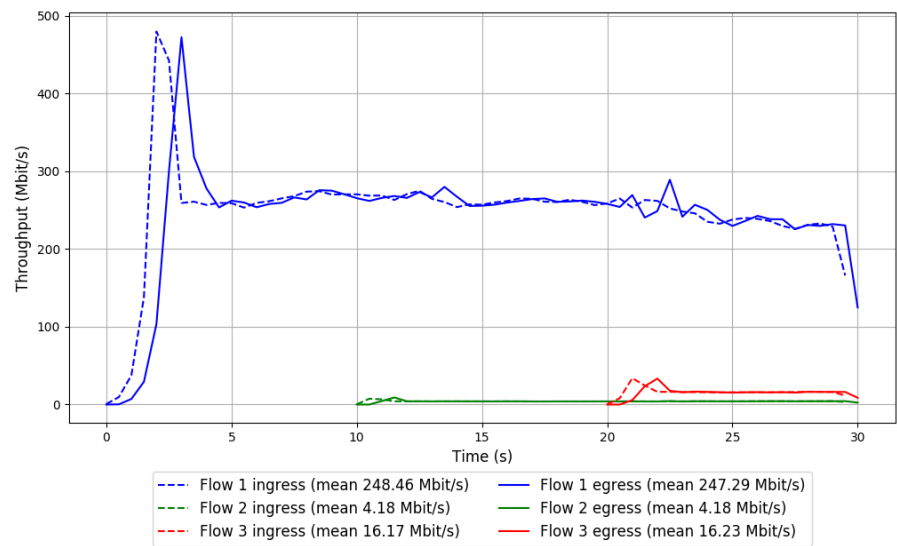


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 07:26:31
End at: 2018-06-30 07:27:01
Local clock offset: 0.162 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.31 Mbit/s
95th percentile per-packet one-way delay: 132.297 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 247.29 Mbit/s
95th percentile per-packet one-way delay: 133.481 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 123.065 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 127.244 ms
Loss rate: 1.79%

Run 9: Report of PCC-Allegro — Data Link

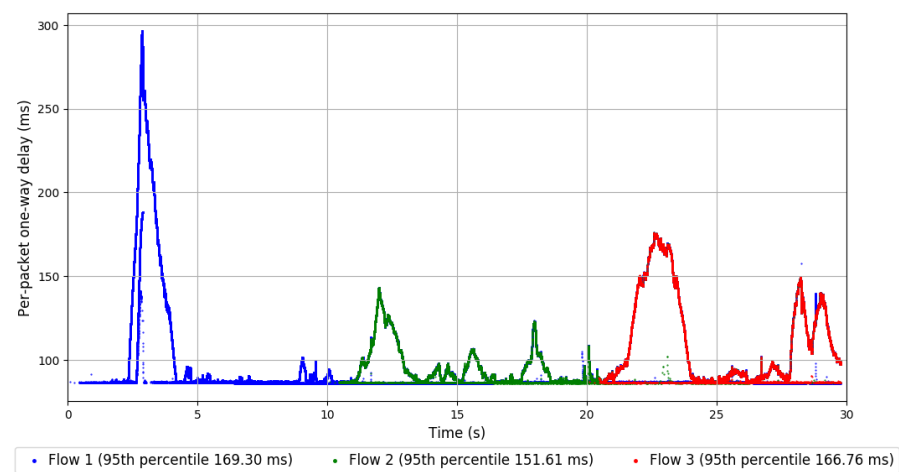
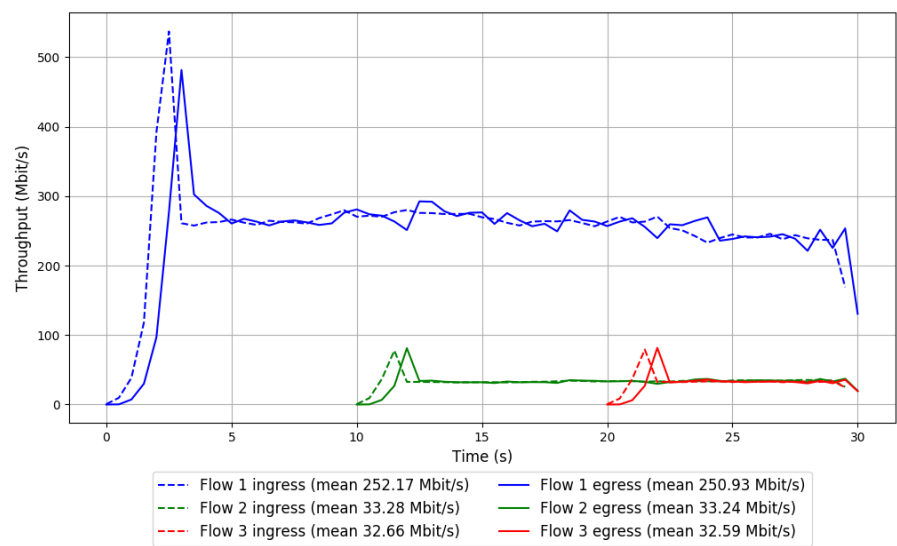


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 07:50:10
End at: 2018-06-30 07:50:40
Local clock offset: 0.034 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.57 Mbit/s
95th percentile per-packet one-way delay: 168.292 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 250.93 Mbit/s
95th percentile per-packet one-way delay: 169.301 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 151.607 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 32.59 Mbit/s
95th percentile per-packet one-way delay: 166.759 ms
Loss rate: 1.96%

Run 10: Report of PCC-Allegro — Data Link

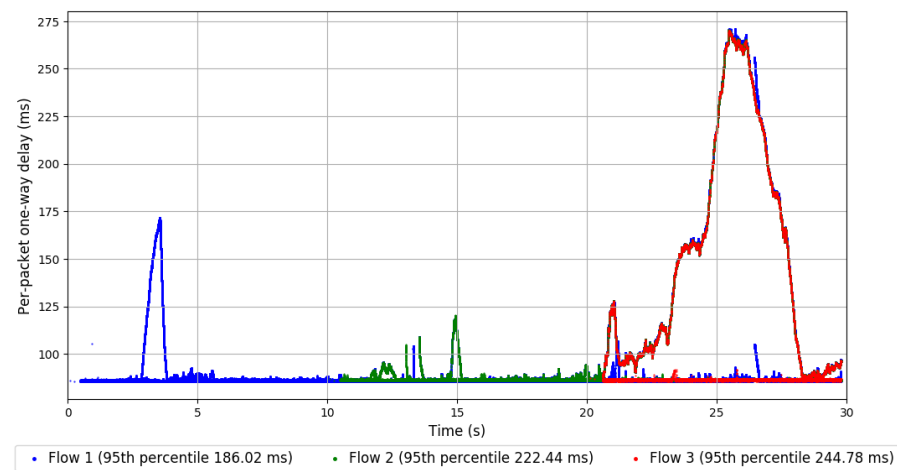
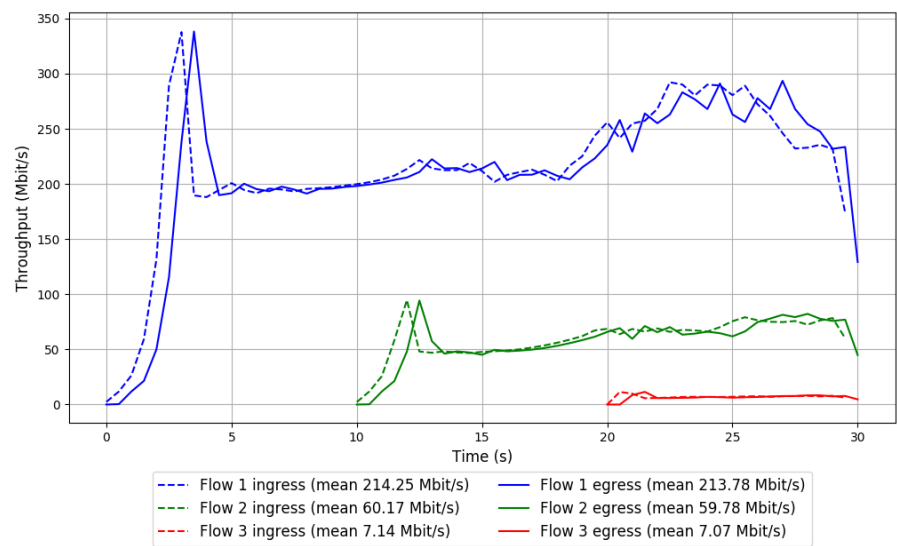


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 04:27:16
End at: 2018-06-30 04:27:46
Local clock offset: -0.216 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-06-30 09:32:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 255.73 Mbit/s
95th percentile per-packet one-way delay: 193.787 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 213.78 Mbit/s
95th percentile per-packet one-way delay: 186.022 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 222.442 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 244.777 ms
Loss rate: 2.69%
```


Run 1: Report of PCC-Expr — Data Link

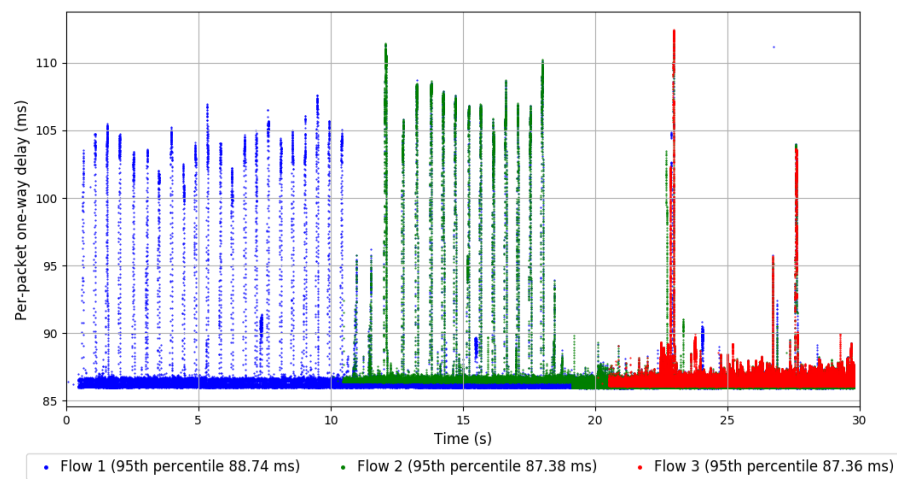
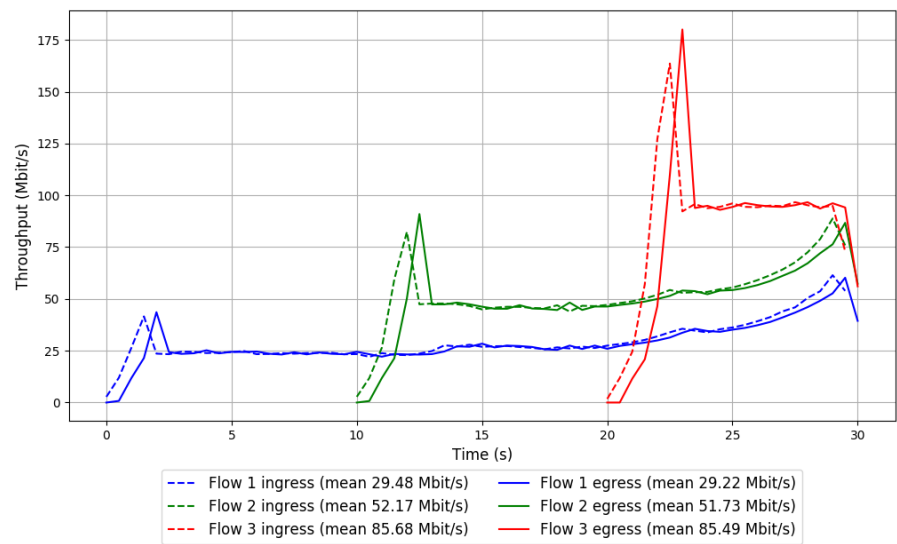


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 04:51:07
End at: 2018-06-30 04:51:37
Local clock offset: 0.172 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-30 09:32:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 87.504 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 88.742 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 87.384 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 85.49 Mbit/s
95th percentile per-packet one-way delay: 87.357 ms
Loss rate: 1.98%
```

Run 2: Report of PCC-Expr — Data Link

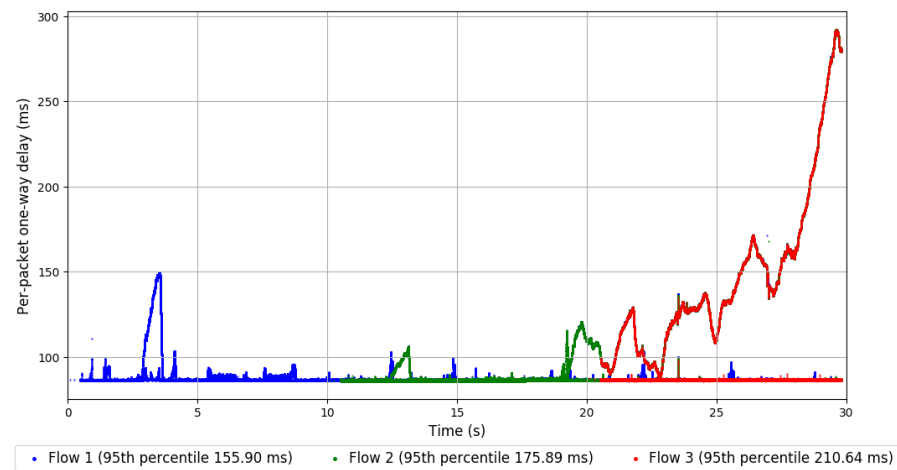
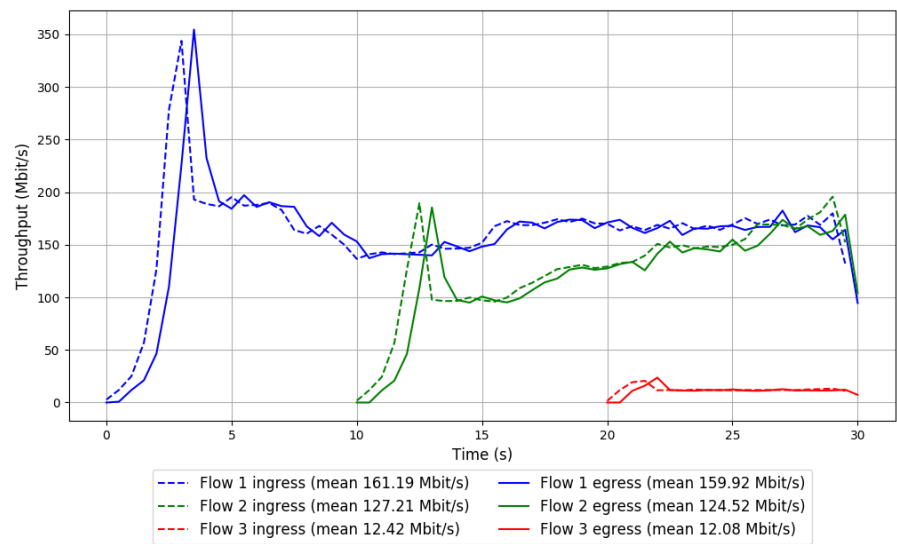


Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 05:14:38
End at: 2018-06-30 05:15:08
Local clock offset: 0.081 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-06-30 09:32:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.41 Mbit/s
95th percentile per-packet one-way delay: 161.759 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 159.92 Mbit/s
95th percentile per-packet one-way delay: 155.902 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 124.52 Mbit/s
95th percentile per-packet one-way delay: 175.890 ms
Loss rate: 2.96%
-- Flow 3:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 210.640 ms
Loss rate: 4.45%

Run 3: Report of PCC-Expr — Data Link

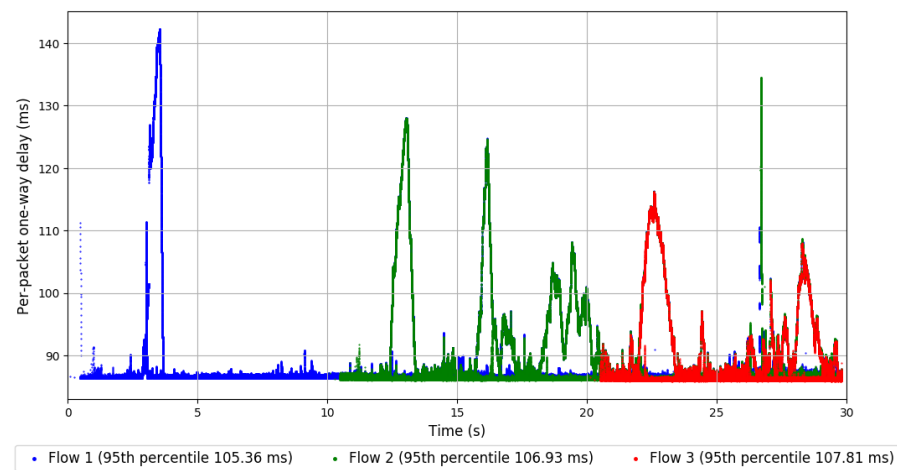
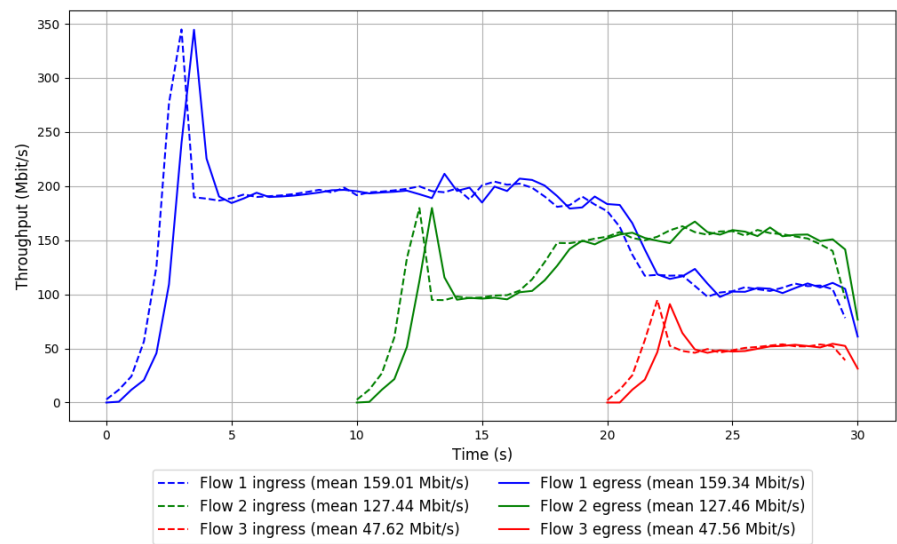


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 05:38:26
End at: 2018-06-30 05:38:56
Local clock offset: 0.079 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-30 09:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.35 Mbit/s
95th percentile per-packet one-way delay: 106.284 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 159.34 Mbit/s
95th percentile per-packet one-way delay: 105.361 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 127.46 Mbit/s
95th percentile per-packet one-way delay: 106.932 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 107.808 ms
Loss rate: 1.87%

Run 4: Report of PCC-Expr — Data Link

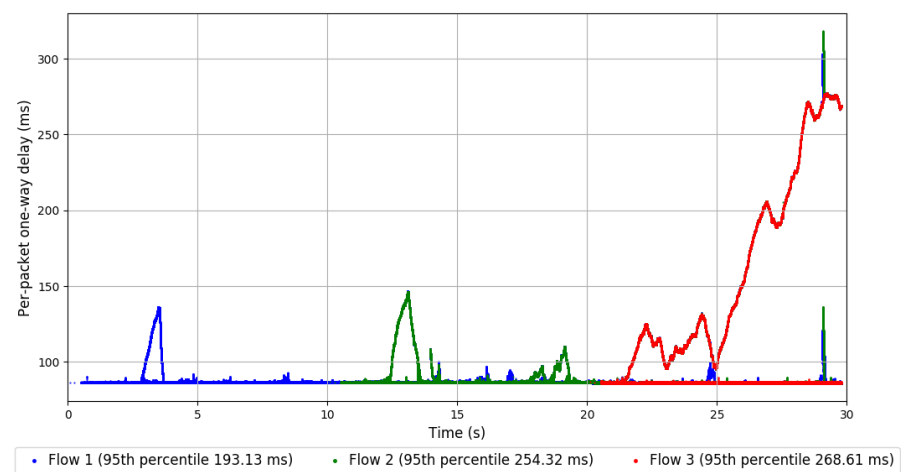
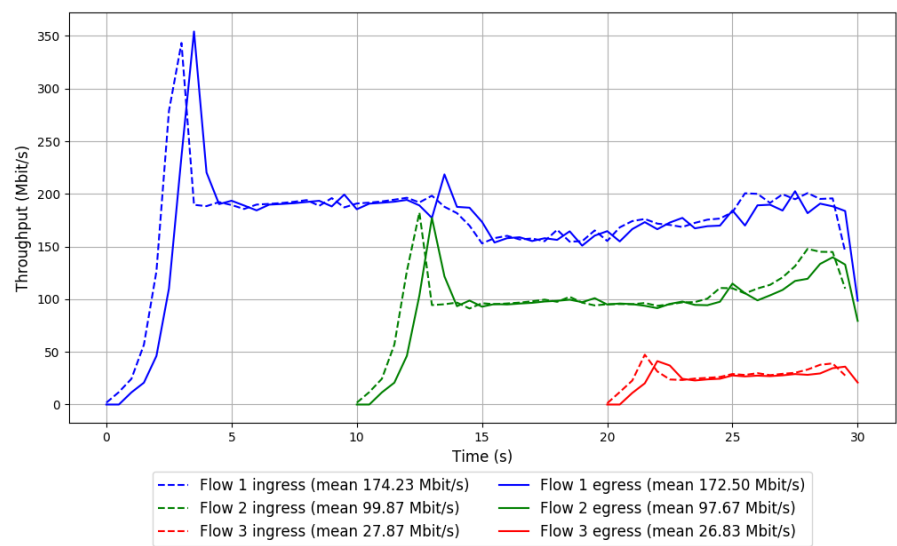


Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 06:02:16
End at: 2018-06-30 06:02:46
Local clock offset: 0.074 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-30 09:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.01 Mbit/s
95th percentile per-packet one-way delay: 205.009 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 172.50 Mbit/s
95th percentile per-packet one-way delay: 193.134 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 97.67 Mbit/s
95th percentile per-packet one-way delay: 254.325 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 268.605 ms
Loss rate: 5.44%

Run 5: Report of PCC-Expr — Data Link

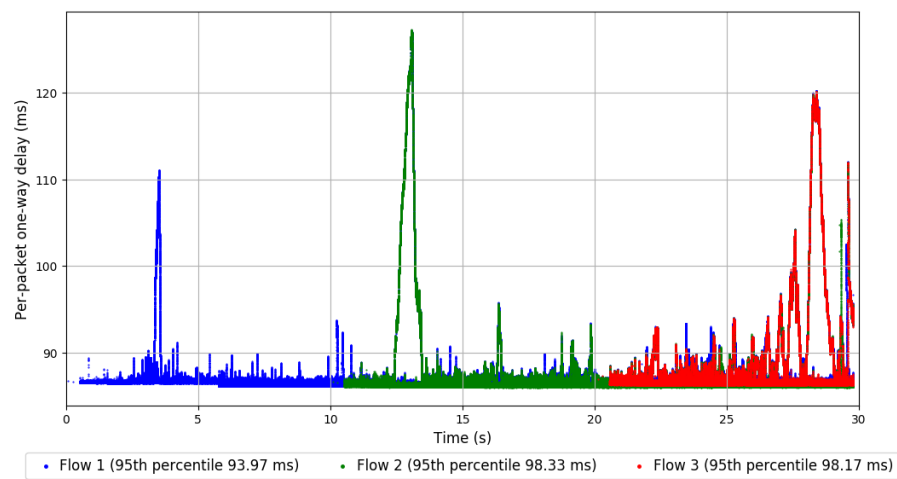
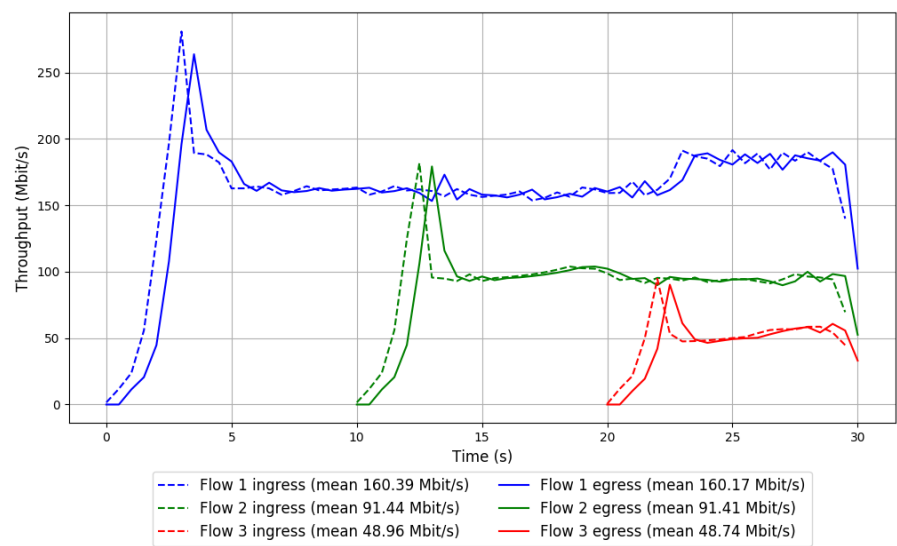


Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 06:26:00
End at: 2018-06-30 06:26:30
Local clock offset: 0.295 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-06-30 09:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.65 Mbit/s
95th percentile per-packet one-way delay: 95.621 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 160.17 Mbit/s
95th percentile per-packet one-way delay: 93.974 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 98.326 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 98.169 ms
Loss rate: 2.21%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 06:49:32

End at: 2018-06-30 06:50:02

Local clock offset: 0.076 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 09:33:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.74 Mbit/s

95th percentile per-packet one-way delay: 110.626 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 175.86 Mbit/s

95th percentile per-packet one-way delay: 109.882 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 98.00 Mbit/s

95th percentile per-packet one-way delay: 111.982 ms

Loss rate: 0.74%

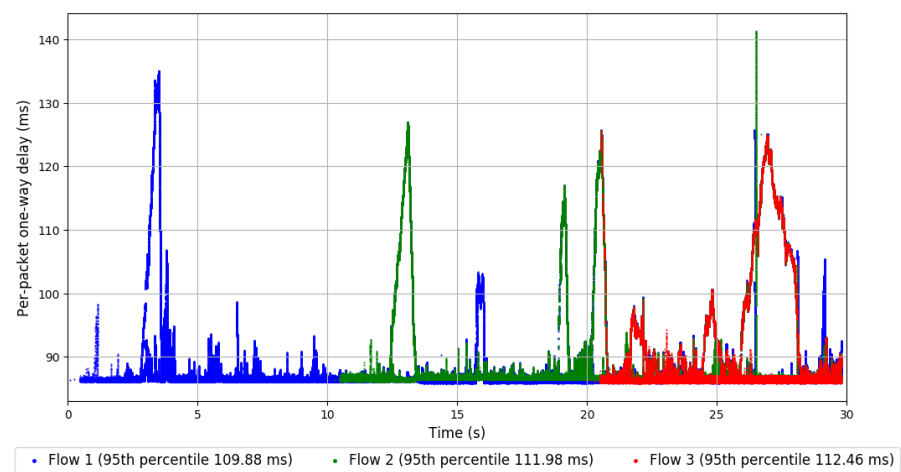
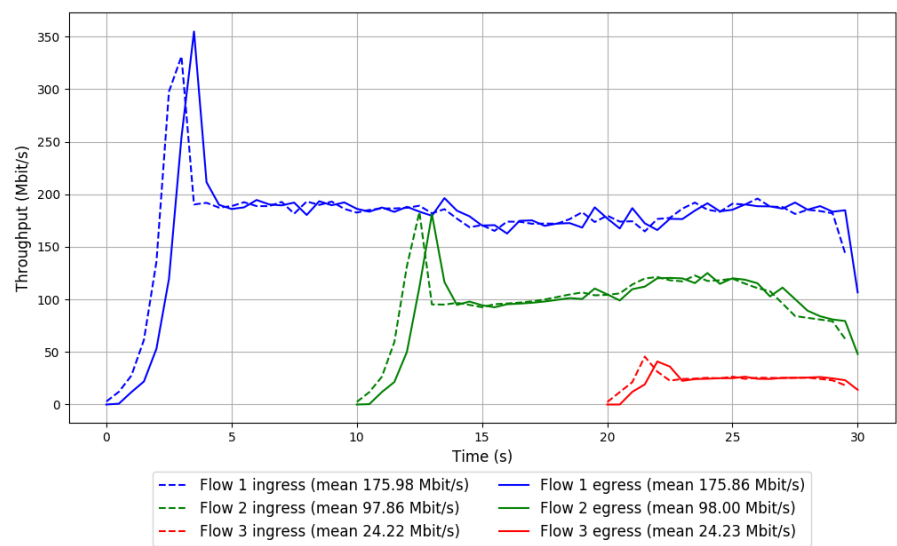
-- Flow 3:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 112.460 ms

Loss rate: 1.73%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 07:13:31

End at: 2018-06-30 07:14:01

Local clock offset: 0.122 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-06-30 09:33:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.42 Mbit/s

95th percentile per-packet one-way delay: 107.397 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 97.352 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 181.57 Mbit/s

95th percentile per-packet one-way delay: 130.013 ms

Loss rate: 0.94%

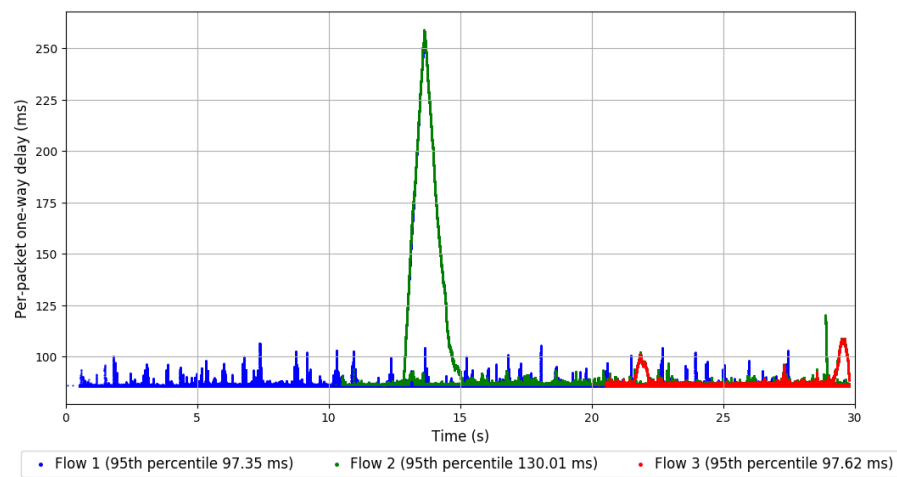
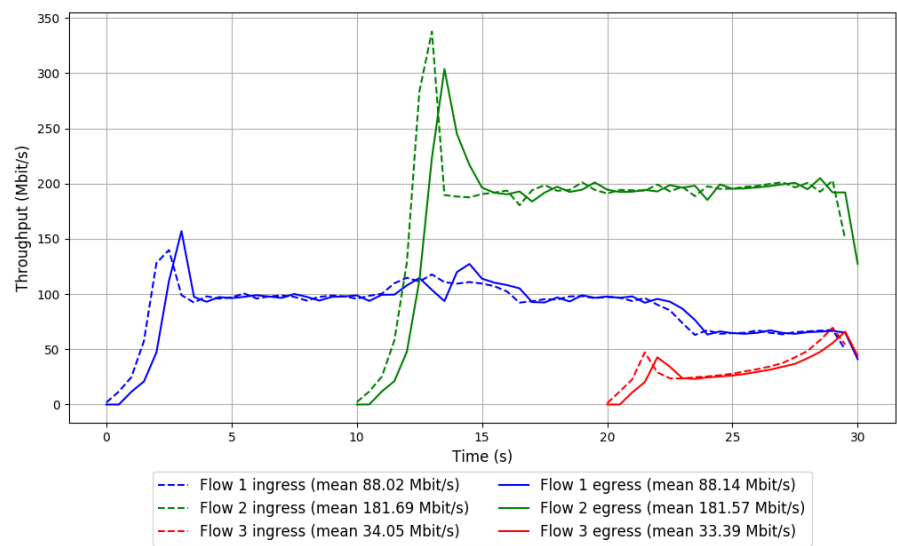
-- Flow 3:

Average throughput: 33.39 Mbit/s

95th percentile per-packet one-way delay: 97.618 ms

Loss rate: 3.69%

Run 8: Report of PCC-Expr — Data Link

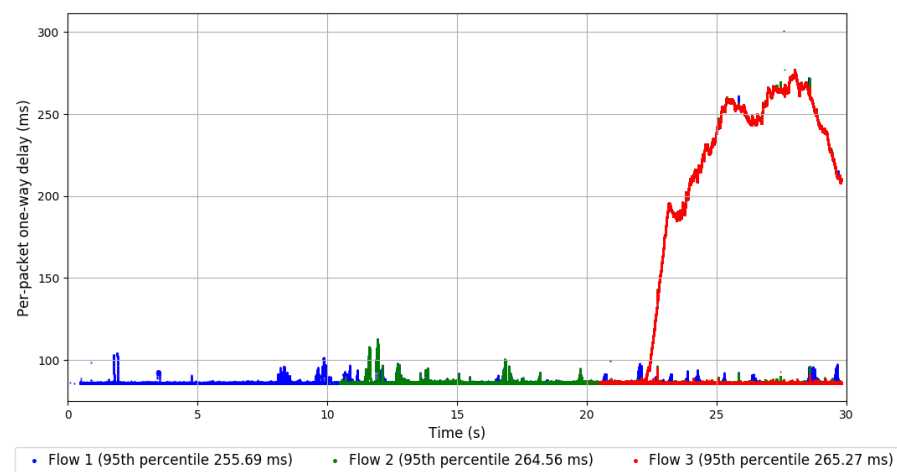
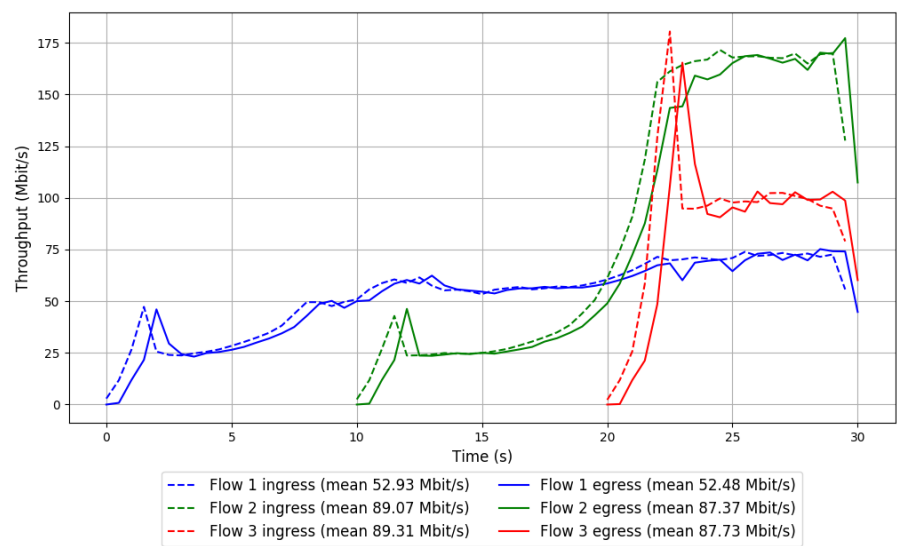


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 07:37:28
End at: 2018-06-30 07:37:58
Local clock offset: 0.025 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-30 09:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.04 Mbit/s
95th percentile per-packet one-way delay: 263.872 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 255.693 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 264.557 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 265.272 ms
Loss rate: 3.50%

Run 9: Report of PCC-Expr — Data Link

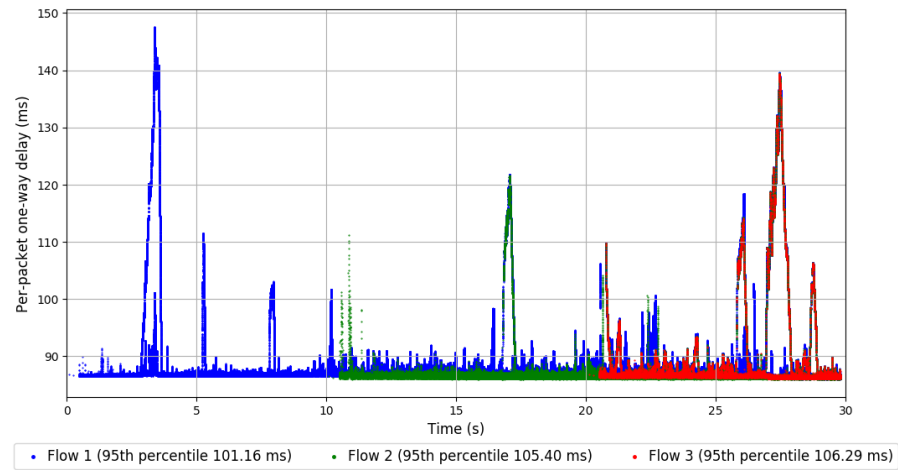
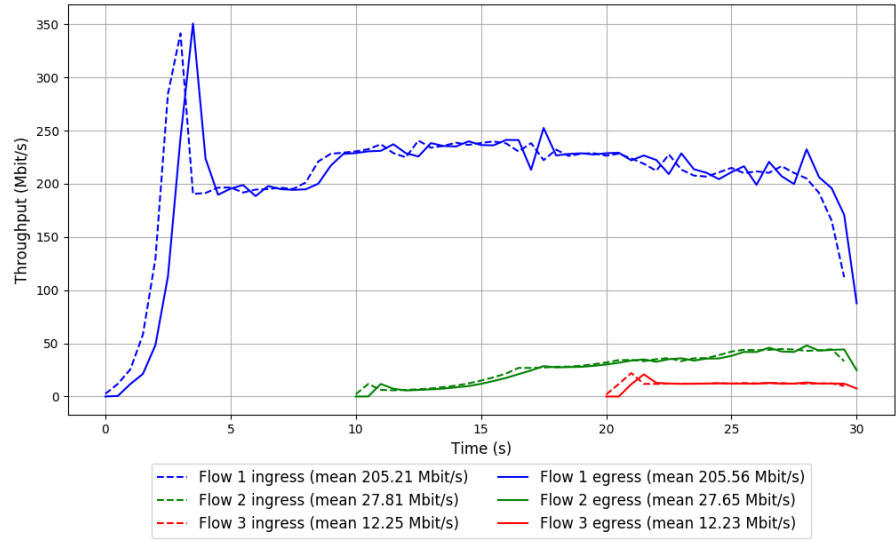


Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 08:01:09
End at: 2018-06-30 08:01:39
Local clock offset: 0.154 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.88 Mbit/s
95th percentile per-packet one-way delay: 101.612 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 205.56 Mbit/s
95th percentile per-packet one-way delay: 101.156 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 105.398 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 106.292 ms
Loss rate: 1.89%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 04:37:42

End at: 2018-06-30 04:38:12

Local clock offset: 0.129 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 86.598 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 50.99 Mbit/s

95th percentile per-packet one-way delay: 86.395 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 43.57 Mbit/s

95th percentile per-packet one-way delay: 86.617 ms

Loss rate: 1.30%

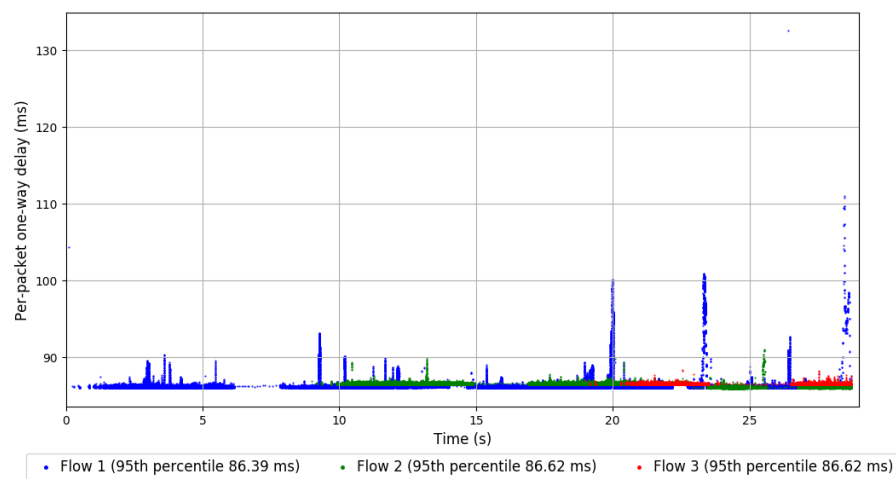
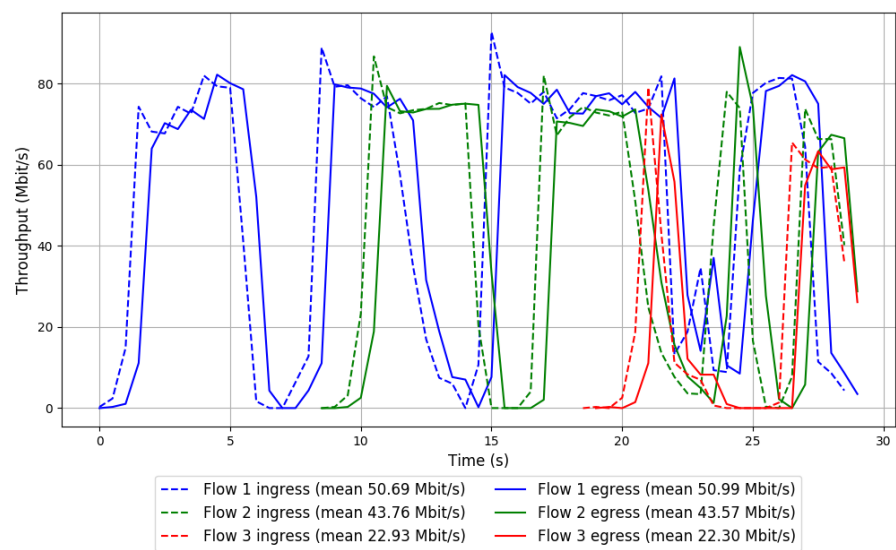
-- Flow 3:

Average throughput: 22.30 Mbit/s

95th percentile per-packet one-way delay: 86.619 ms

Loss rate: 4.46%

Run 1: Report of QUIC Cubic — Data Link

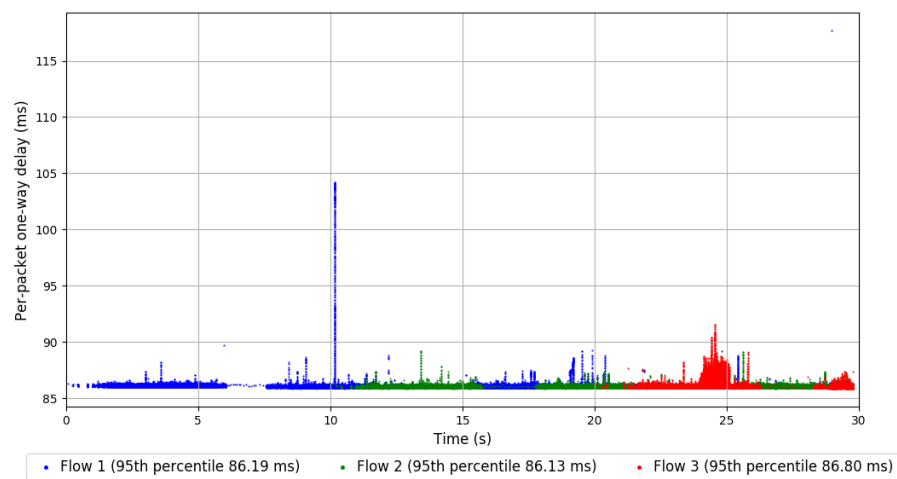
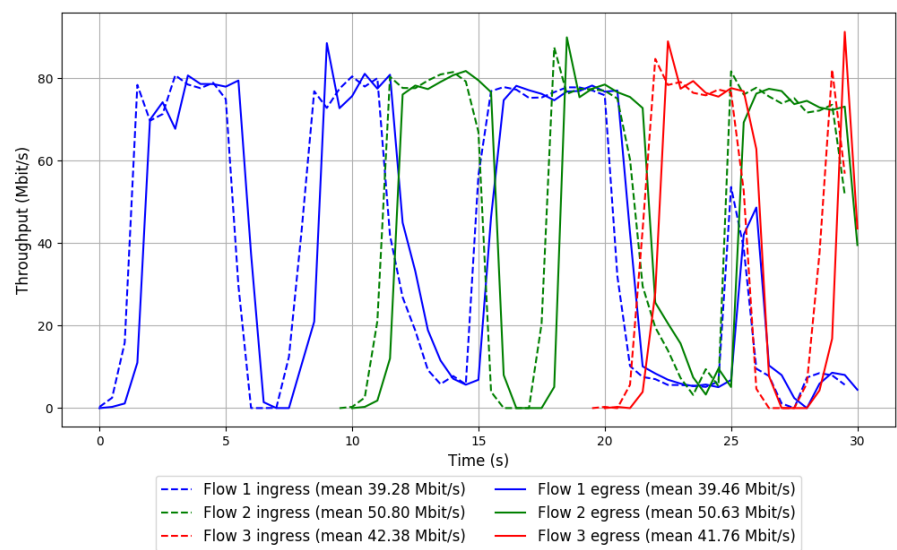


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 05:01:19
End at: 2018-06-30 05:01:49
Local clock offset: 0.129 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 86.189 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 86.190 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 86.132 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 86.798 ms
Loss rate: 3.16%

Run 2: Report of QUIC Cubic — Data Link

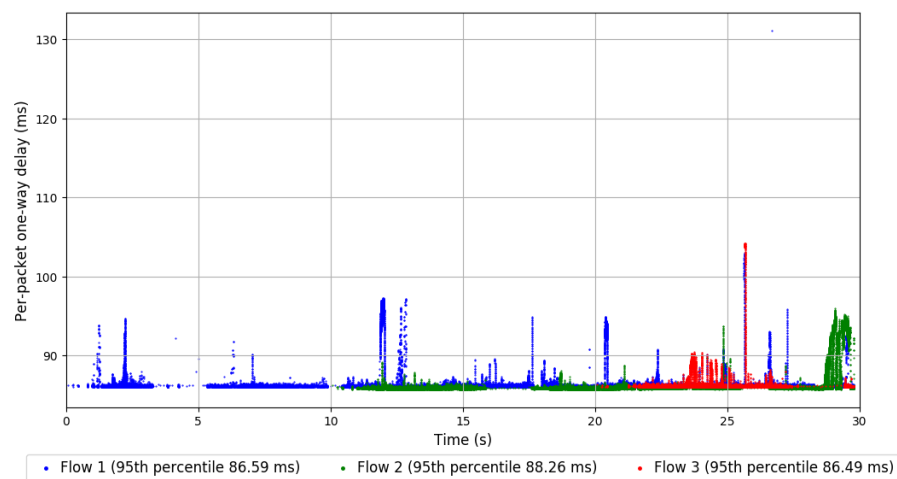
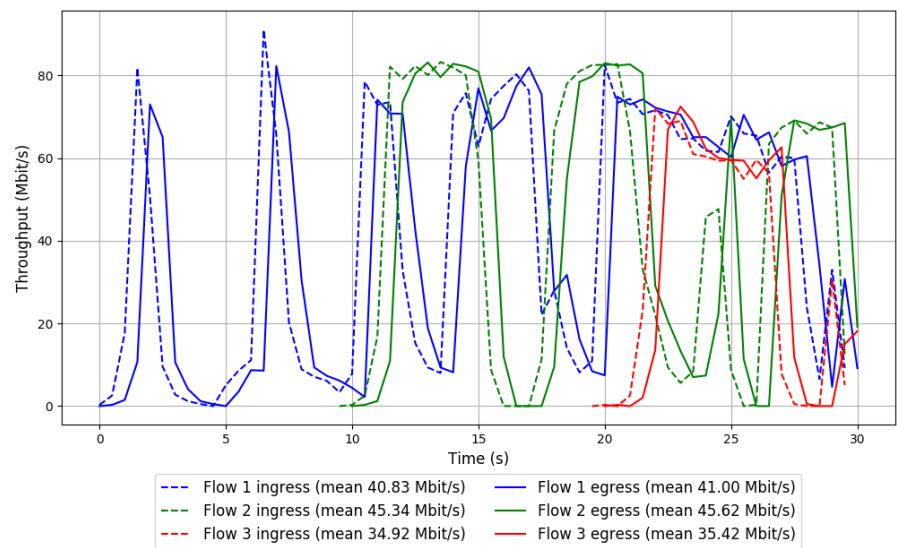


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 05:25:04
End at: 2018-06-30 05:25:34
Local clock offset: 0.02 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 86.587 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 88.260 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 86.494 ms
Loss rate: 0.36%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 05:48:47

End at: 2018-06-30 05:49:17

Local clock offset: 0.124 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 86.460 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 86.163 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 37.77 Mbit/s

95th percentile per-packet one-way delay: 86.538 ms

Loss rate: 1.63%

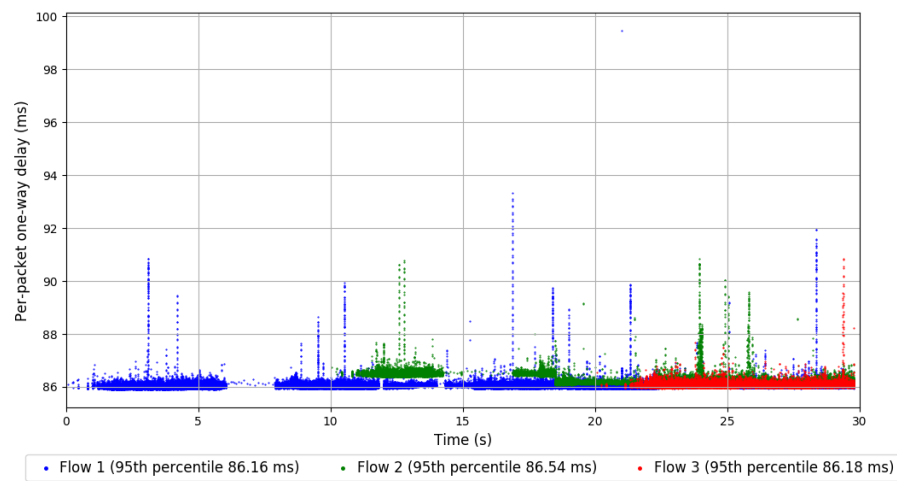
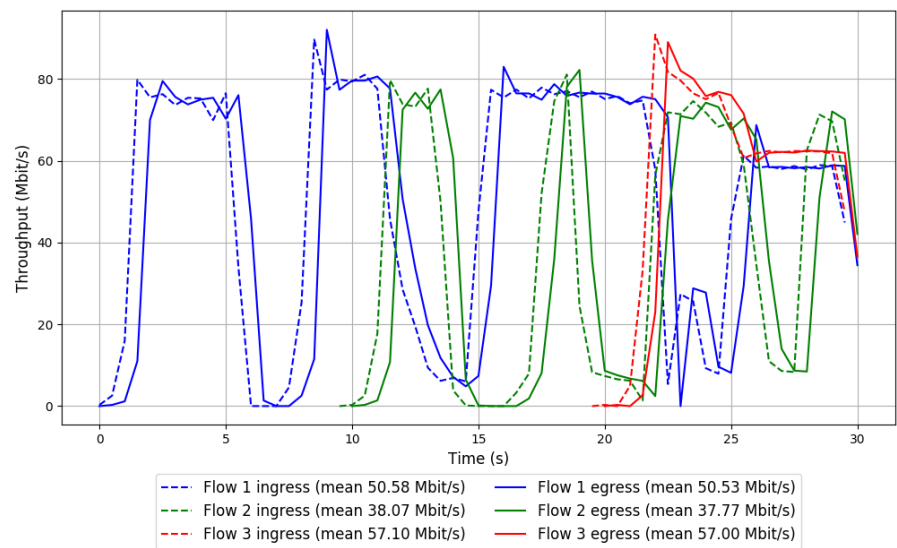
-- Flow 3:

Average throughput: 57.00 Mbit/s

95th percentile per-packet one-way delay: 86.177 ms

Loss rate: 1.91%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 06:12:36

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

Local clock offset: 0.057 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 86.163 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 52.47 Mbit/s

95th percentile per-packet one-way delay: 86.221 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 42.41 Mbit/s

95th percentile per-packet one-way delay: 86.082 ms

Loss rate: 1.12%

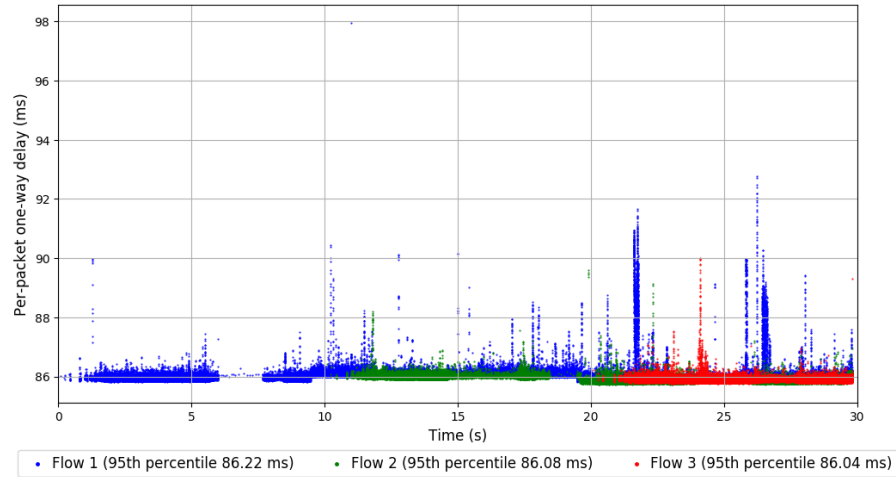
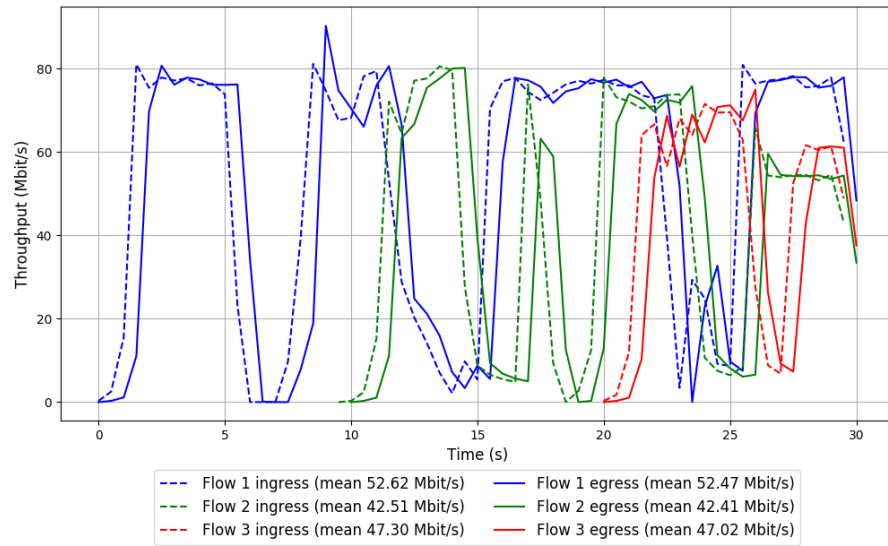
-- Flow 3:

Average throughput: 47.02 Mbit/s

95th percentile per-packet one-way delay: 86.036 ms

Loss rate: 2.31%

Run 5: Report of QUIC Cubic — Data Link

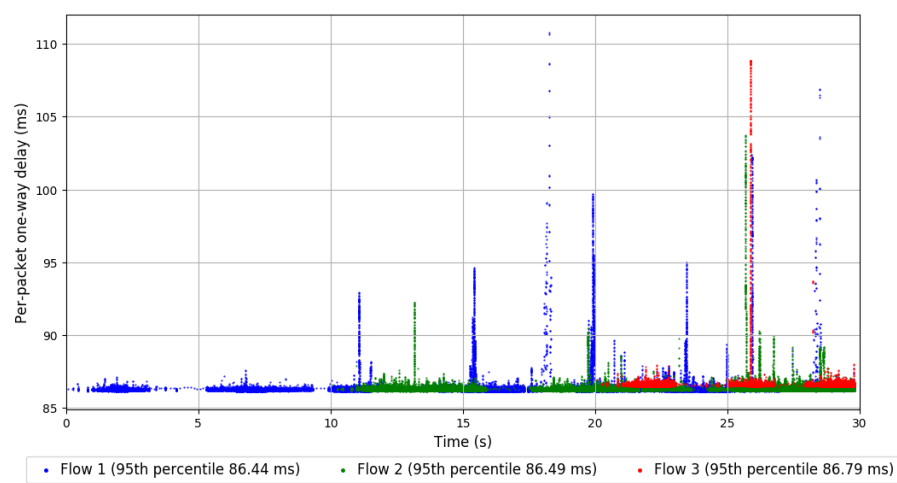
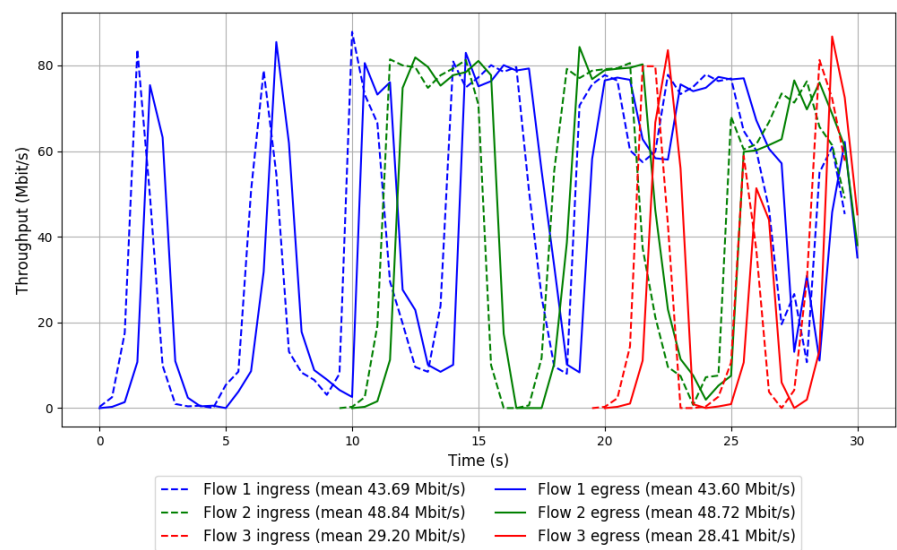


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 06:36:04
End at: 2018-06-30 06:36:34
Local clock offset: 0.184 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 86.657 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 86.441 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 86.488 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 28.41 Mbit/s
95th percentile per-packet one-way delay: 86.789 ms
Loss rate: 4.41%

Run 6: Report of QUIC Cubic — Data Link

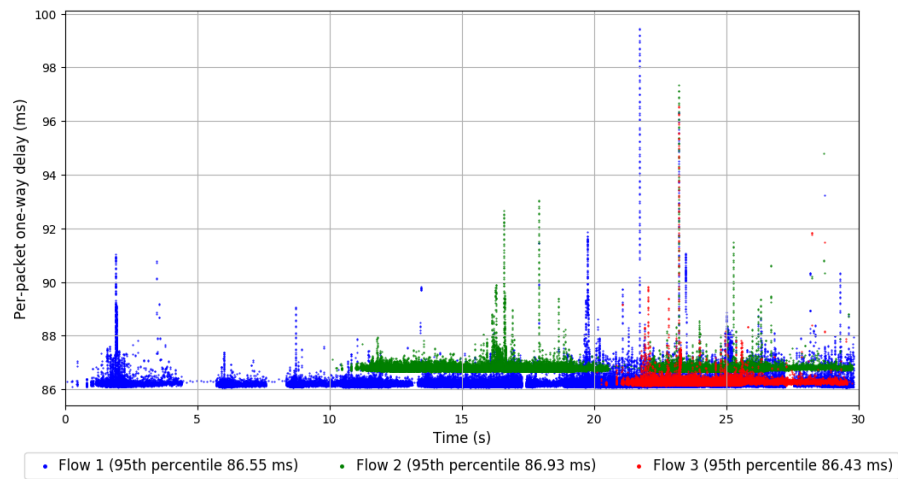
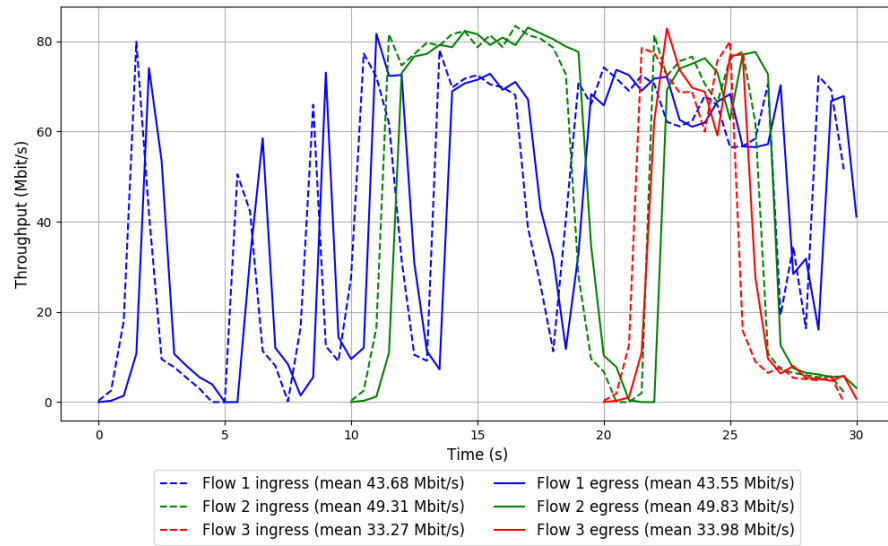


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 07:00:00
End at: 2018-06-30 07:00:30
Local clock offset: 0.35 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 86.878 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 86.547 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 86.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 86.433 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 07:24:04

End at: 2018-06-30 07:24:34

Local clock offset: 0.101 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.74 Mbit/s

95th percentile per-packet one-way delay: 86.546 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 43.70 Mbit/s

95th percentile per-packet one-way delay: 86.531 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 43.25 Mbit/s

95th percentile per-packet one-way delay: 86.534 ms

Loss rate: 0.18%

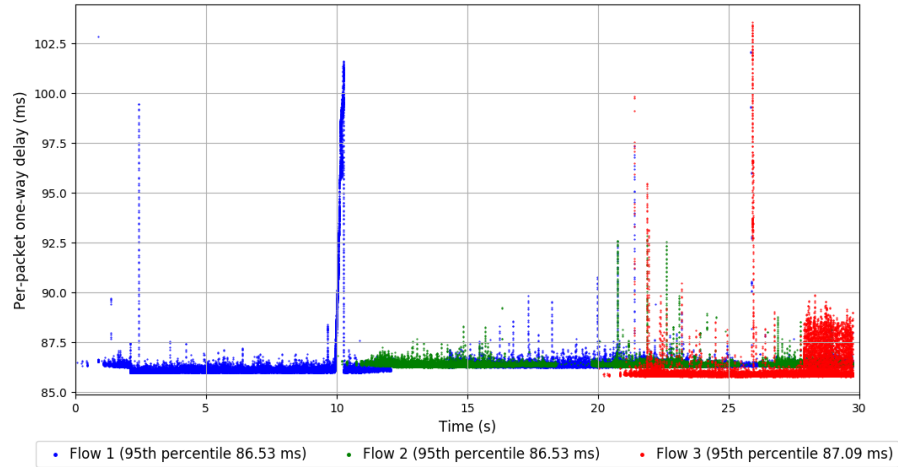
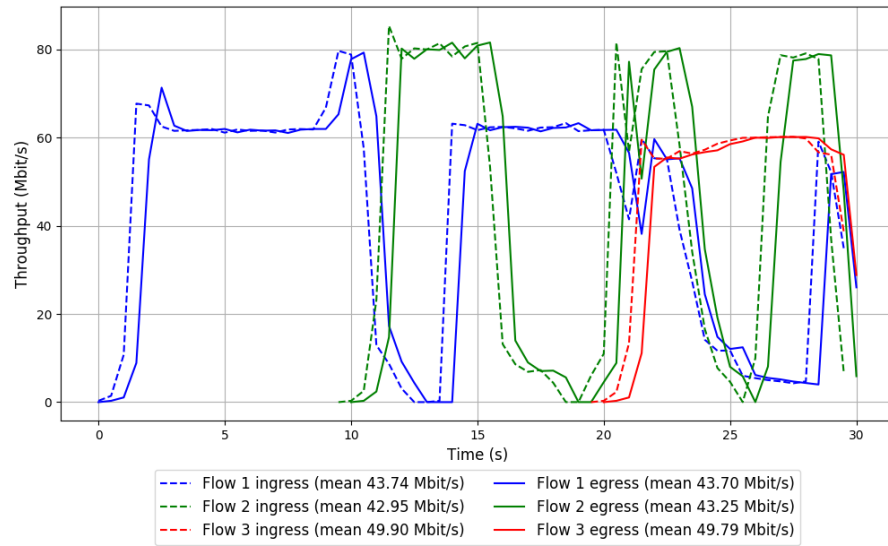
-- Flow 3:

Average throughput: 49.79 Mbit/s

95th percentile per-packet one-way delay: 87.092 ms

Loss rate: 1.98%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 07:47:43

End at: 2018-06-30 07:48:13

Local clock offset: 0.155 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.96 Mbit/s

95th percentile per-packet one-way delay: 86.974 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 45.23 Mbit/s

95th percentile per-packet one-way delay: 87.438 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 31.99 Mbit/s

95th percentile per-packet one-way delay: 86.672 ms

Loss rate: 0.20%

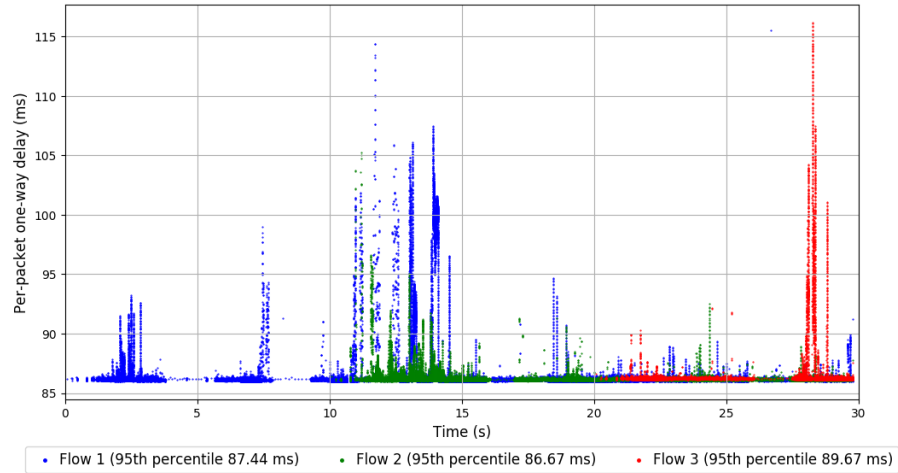
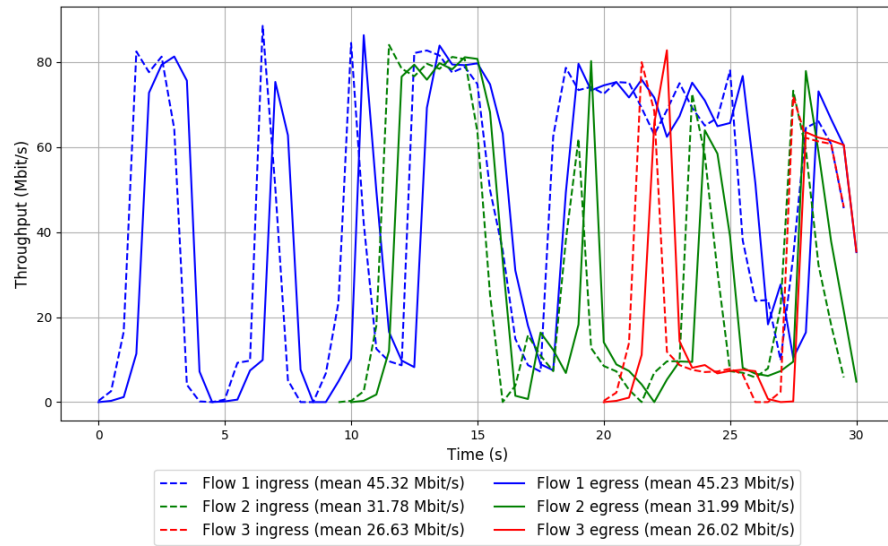
-- Flow 3:

Average throughput: 26.02 Mbit/s

95th percentile per-packet one-way delay: 89.670 ms

Loss rate: 4.02%

Run 9: Report of QUIC Cubic — Data Link

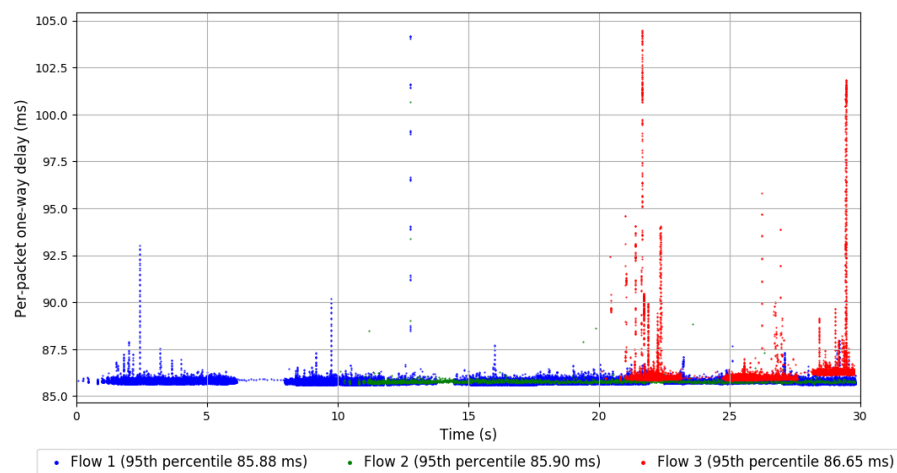
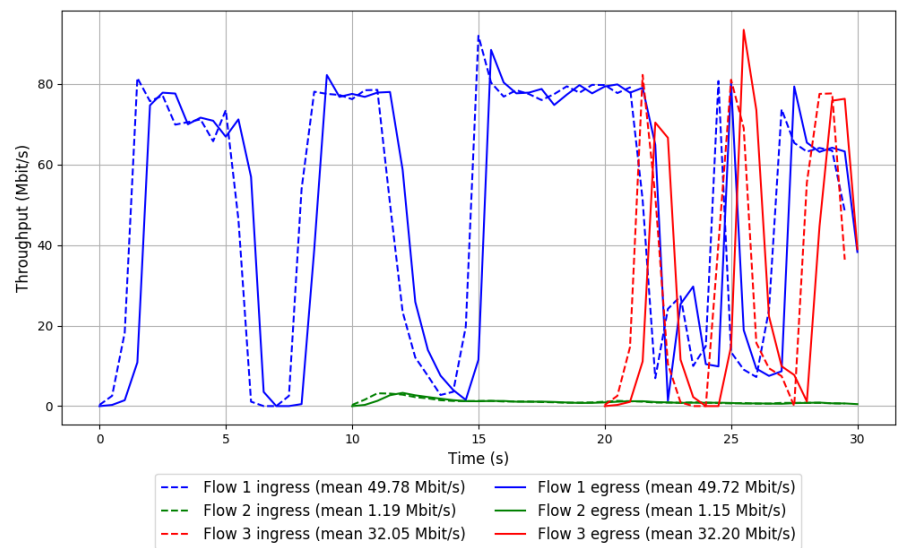


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 08:11:38
End at: 2018-06-30 08:12:08
Local clock offset: -0.169 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 86.229 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 49.72 Mbit/s
95th percentile per-packet one-way delay: 85.884 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 85.904 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 86.646 ms
Loss rate: 1.79%

Run 10: Report of QUIC Cubic — Data Link

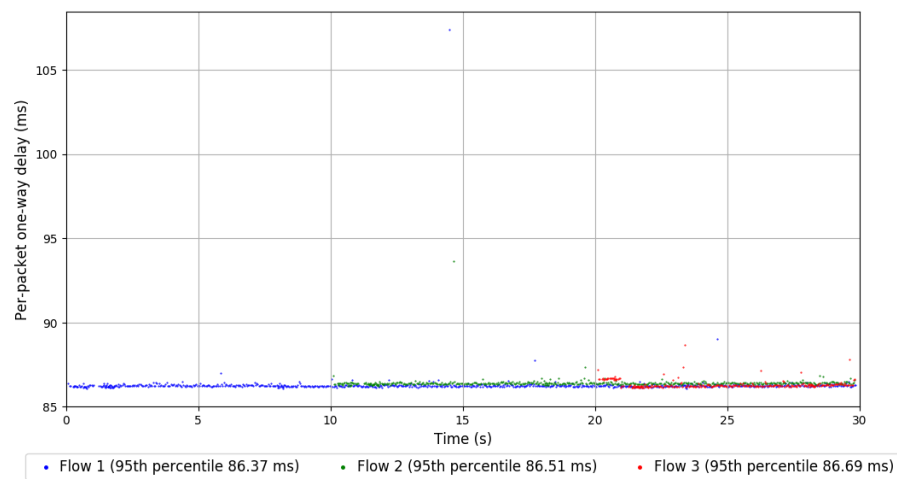
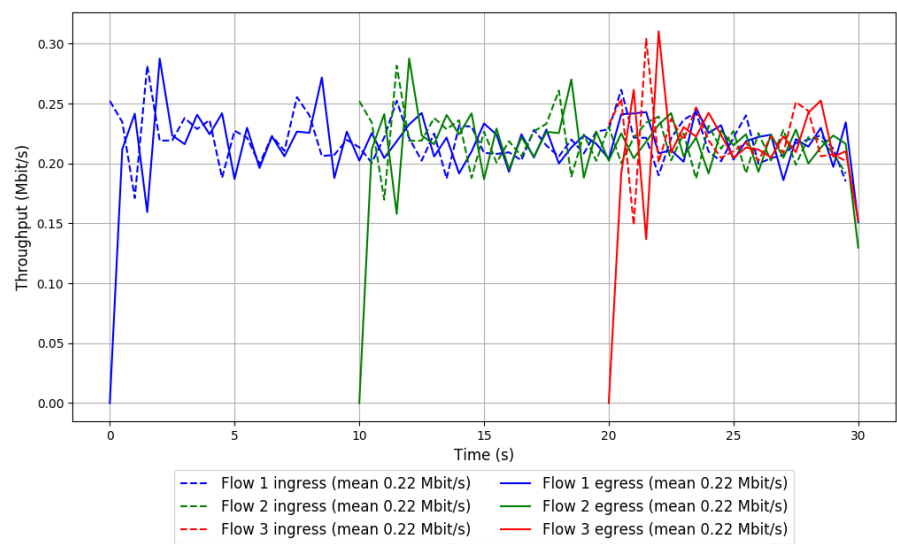


```
Run 1: Statistics of SReAM

Start at: 2018-06-30 04:32:15
End at: 2018-06-30 04:32:45
Local clock offset: 0.2 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-06-30 09:39:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.502 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.373 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 1.85%
```


Run 1: Report of SReAM — Data Link

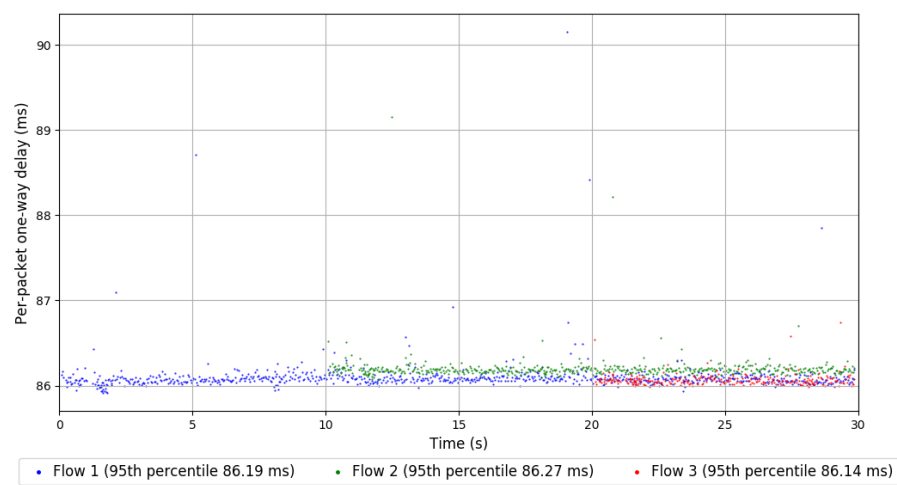
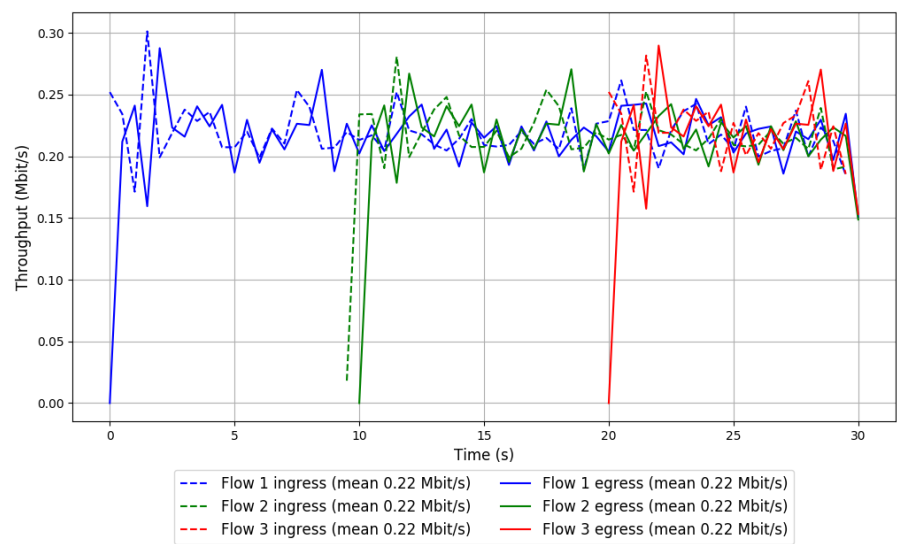


Run 2: Statistics of SReAM

Start at: 2018-06-30 04:55:54
End at: 2018-06-30 04:56:24
Local clock offset: 0.099 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.241 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.191 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.268 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.145 ms
Loss rate: 1.46%

Run 2: Report of SReAM — Data Link

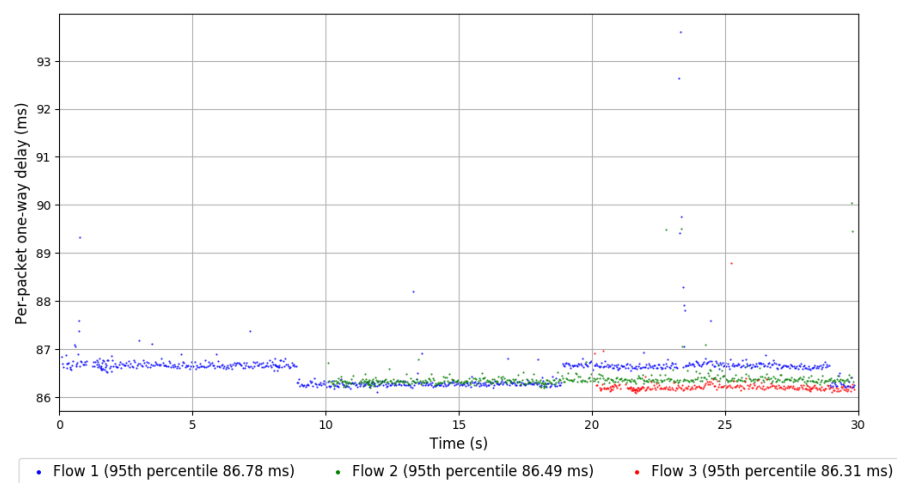
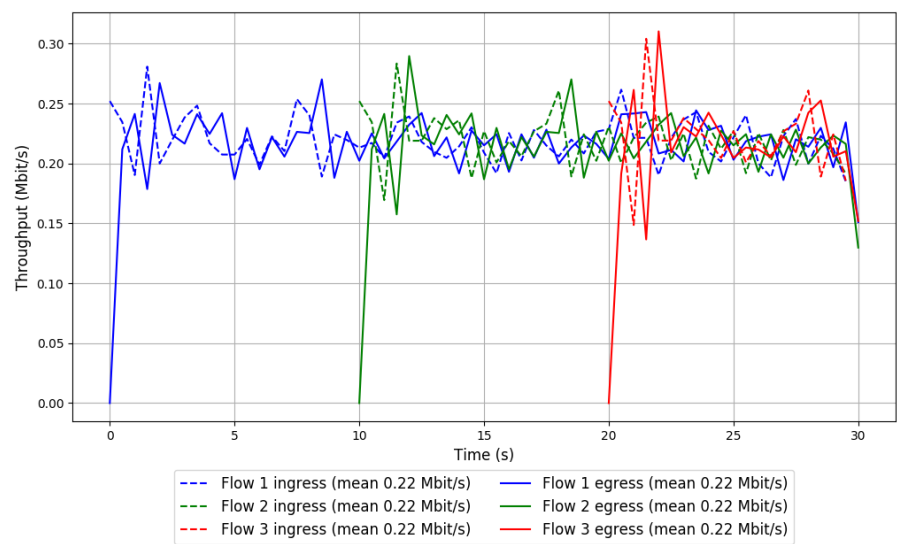


Run 3: Statistics of SReAM

Start at: 2018-06-30 05:19:37
End at: 2018-06-30 05:20:07
Local clock offset: 0.195 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.737 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.775 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.487 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.314 ms
Loss rate: 1.85%

Run 3: Report of SCSReAM — Data Link

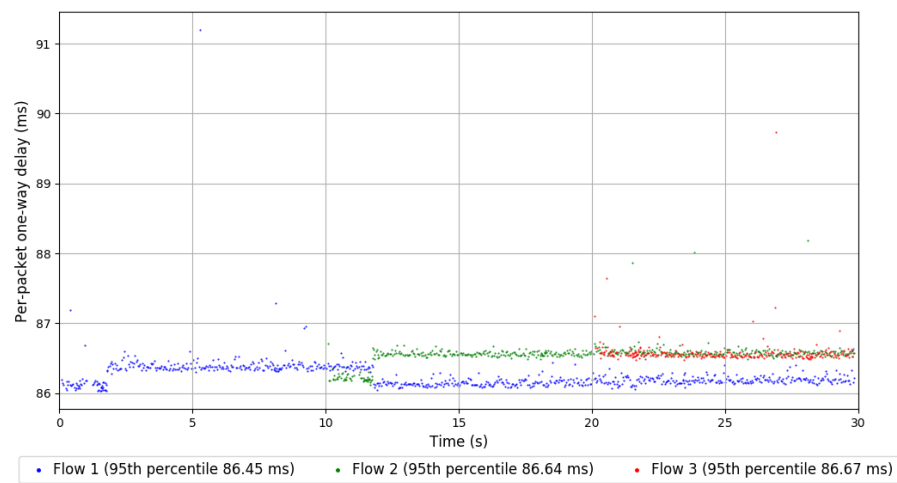
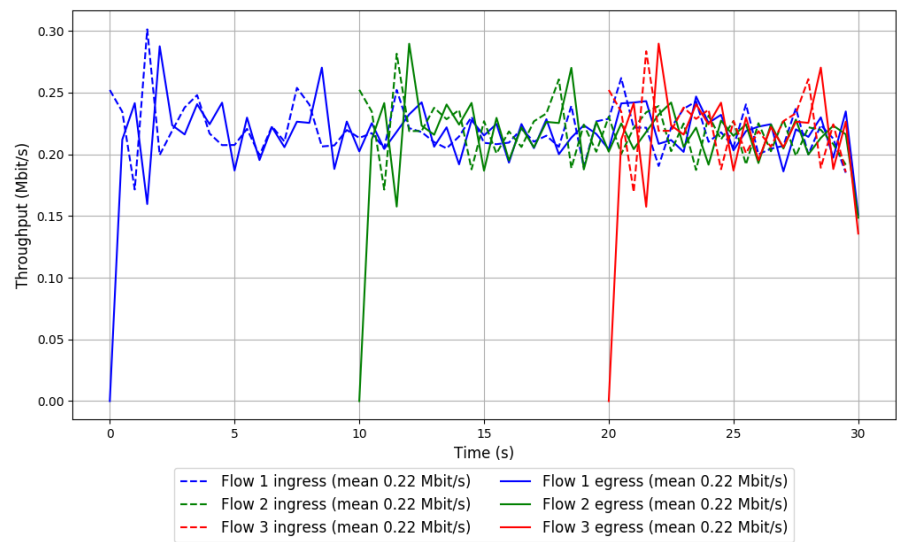


Run 4: Statistics of SReAM

Start at: 2018-06-30 05:43:24
End at: 2018-06-30 05:43:54
Local clock offset: 0.17 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.621 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.447 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.641 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.665 ms
Loss rate: 1.85%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-30 06:07:10

End at: 2018-06-30 06:07:40

Local clock offset: 0.096 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.209 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.208 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.200 ms

Loss rate: 1.04%

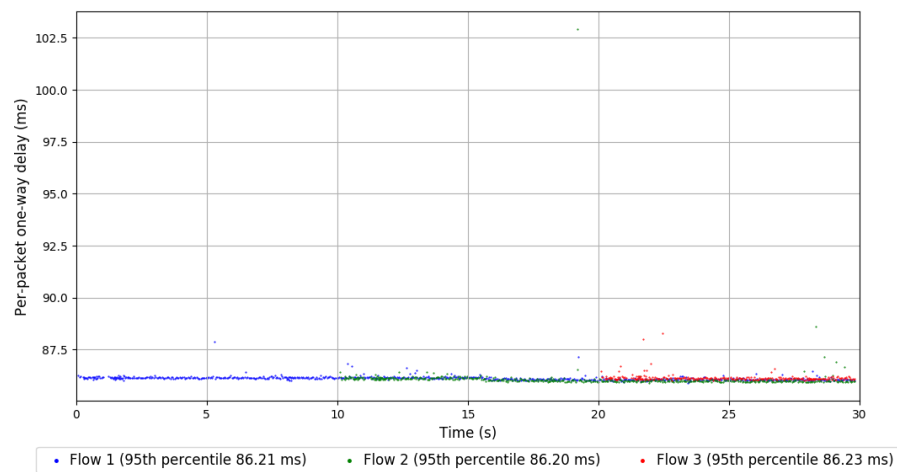
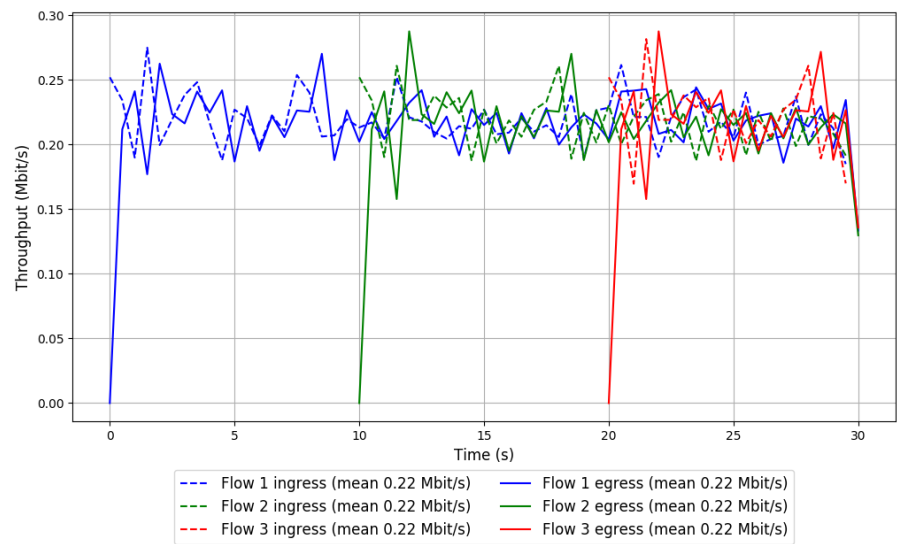
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.235 ms

Loss rate: 1.50%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-30 06:30:38

End at: 2018-06-30 06:31:08

Local clock offset: 0.016 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.456 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.476 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.192 ms

Loss rate: 0.82%

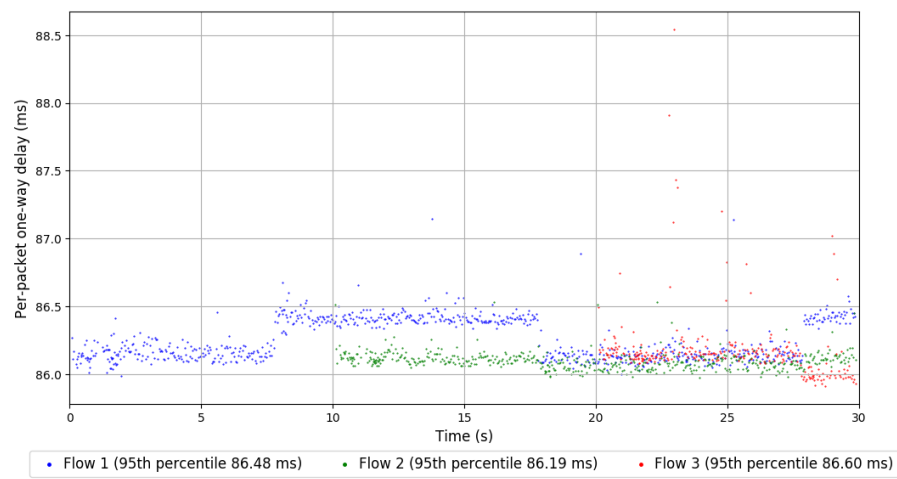
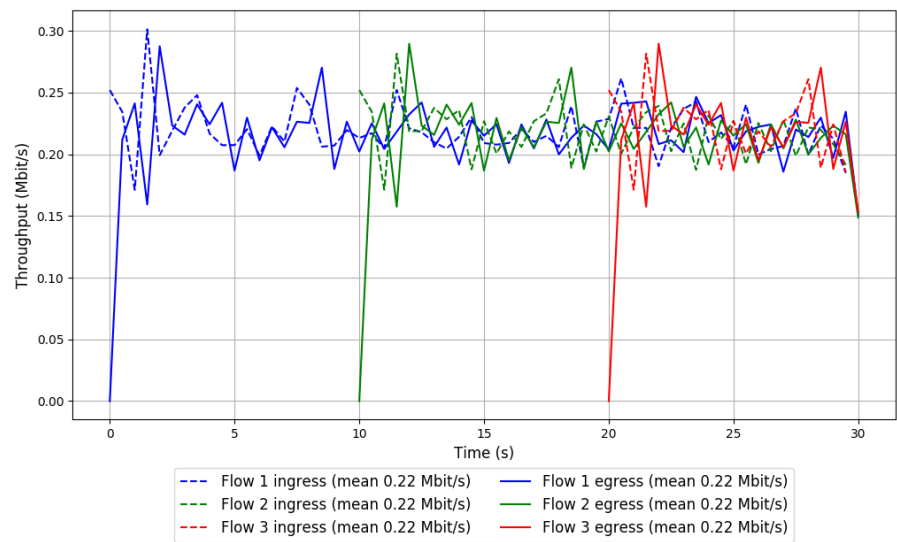
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.601 ms

Loss rate: 1.46%

Run 6: Report of SReAM — Data Link

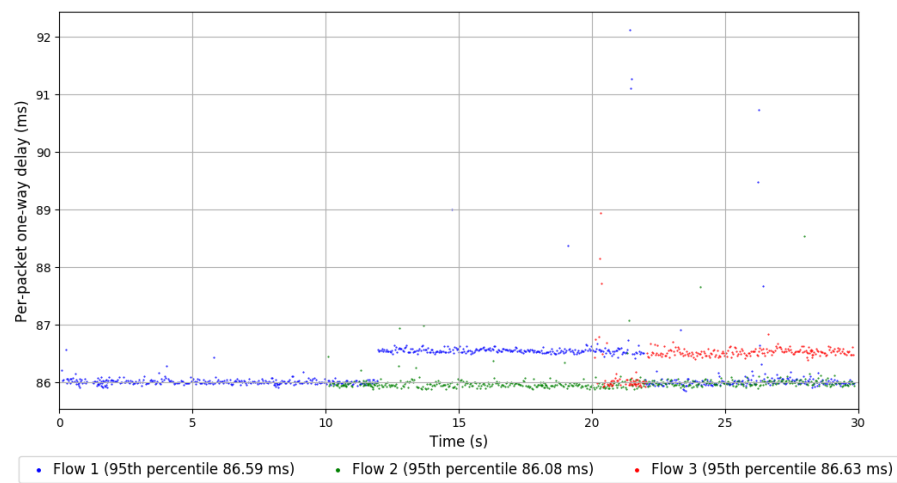
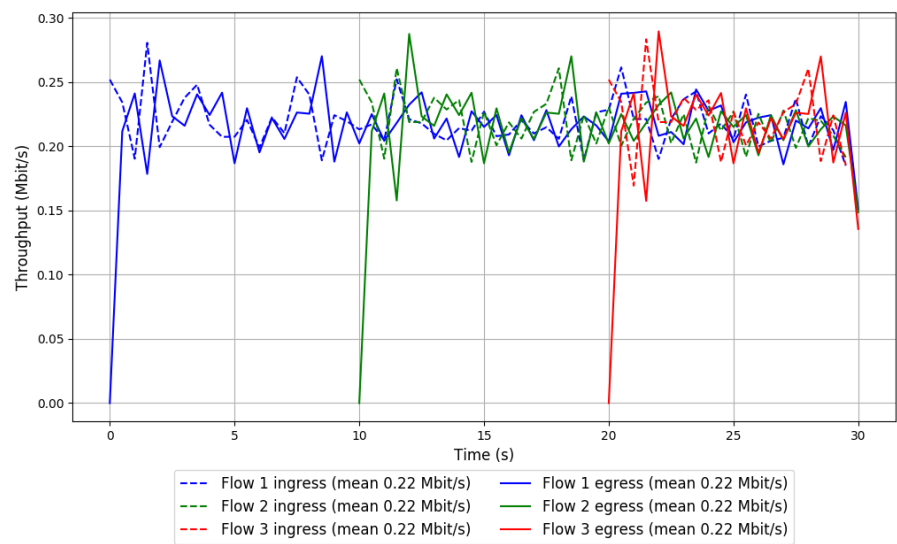


Run 7: Statistics of SReAM

Start at: 2018-06-30 06:54:34
End at: 2018-06-30 06:55:04
Local clock offset: 0.023 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.077 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 1.85%

Run 7: Report of SReAM — Data Link

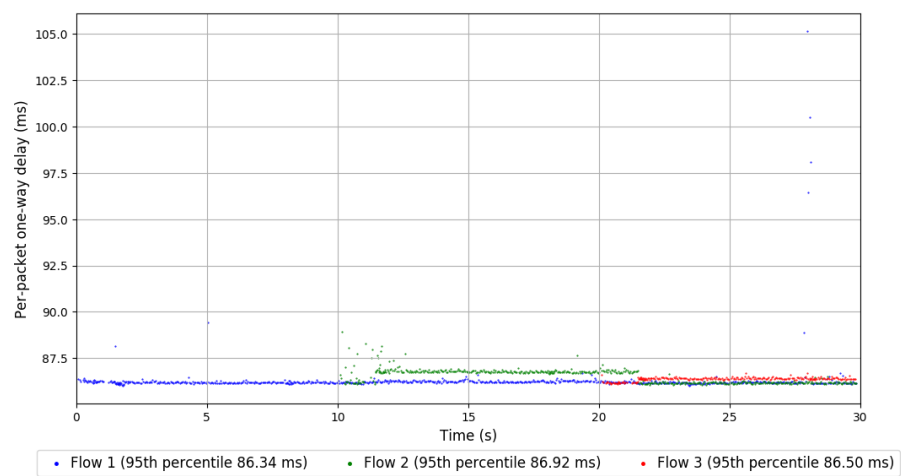
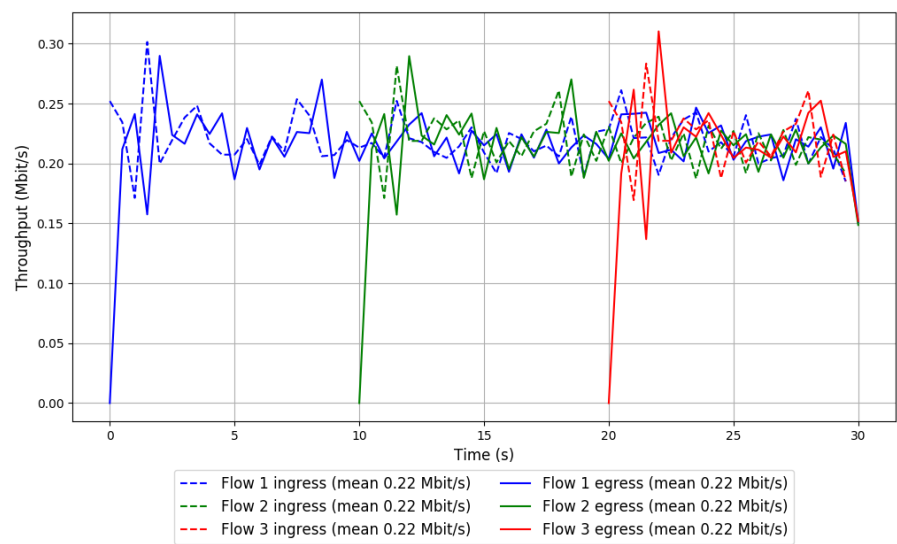


Run 8: Statistics of SReAM

Start at: 2018-06-30 07:18:34
End at: 2018-06-30 07:19:04
Local clock offset: 0.281 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.337 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.918 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.501 ms
Loss rate: 1.85%

Run 8: Report of SReAM — Data Link

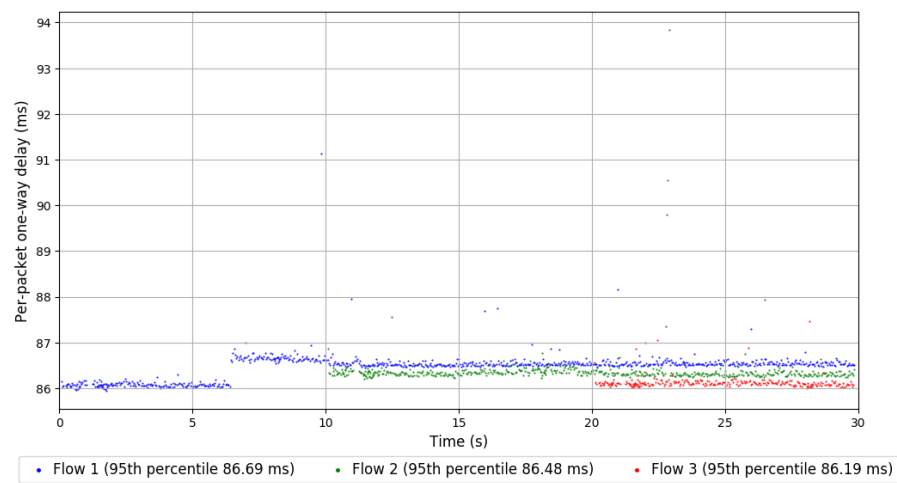
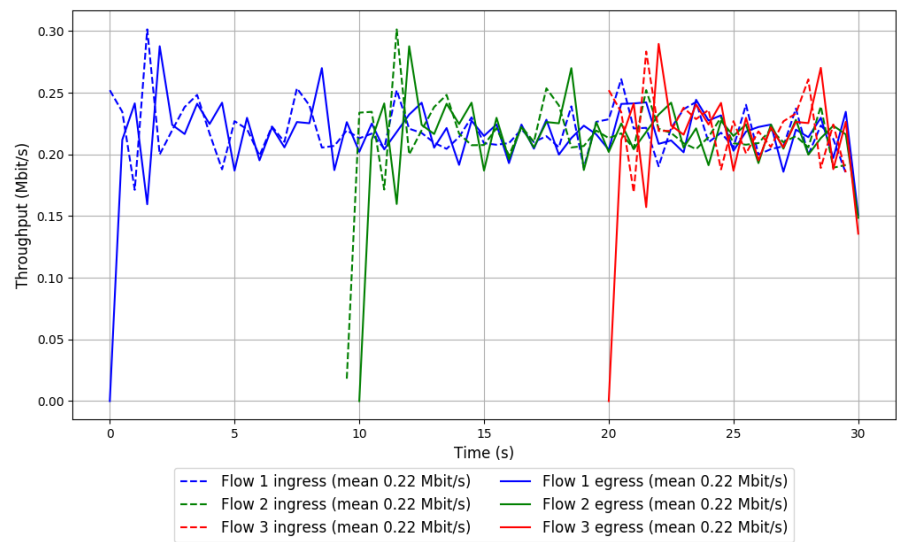


Run 9: Statistics of SReAM

Start at: 2018-06-30 07:42:20
End at: 2018-06-30 07:42:50
Local clock offset: 0.005 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.481 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.194 ms
Loss rate: 1.85%

Run 9: Report of SReAM — Data Link

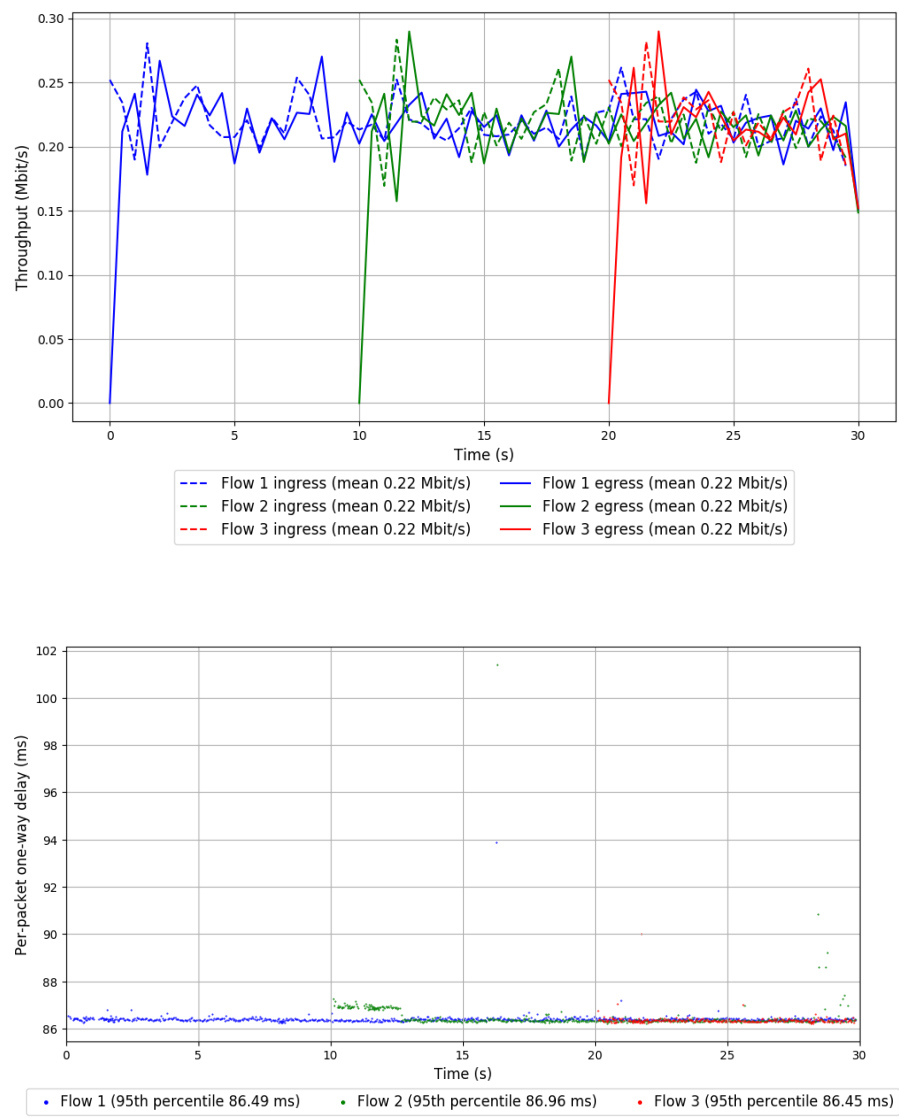


Run 10: Statistics of SReAM

Start at: 2018-06-30 08:06:13
End at: 2018-06-30 08:06:43
Local clock offset: 0.324 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.490 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.956 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.449 ms
Loss rate: 1.85%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-30 04:38:58

End at: 2018-06-30 04:39:28

Local clock offset: 0.032 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 86.724 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.827 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 86.665 ms

Loss rate: 0.76%

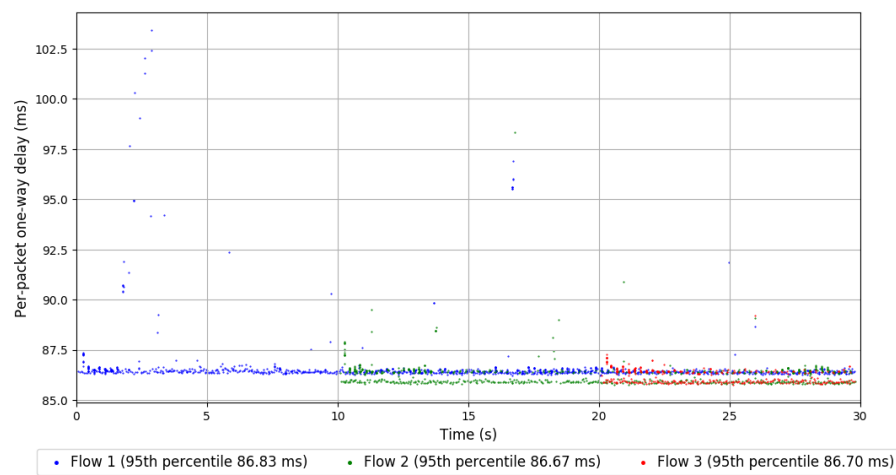
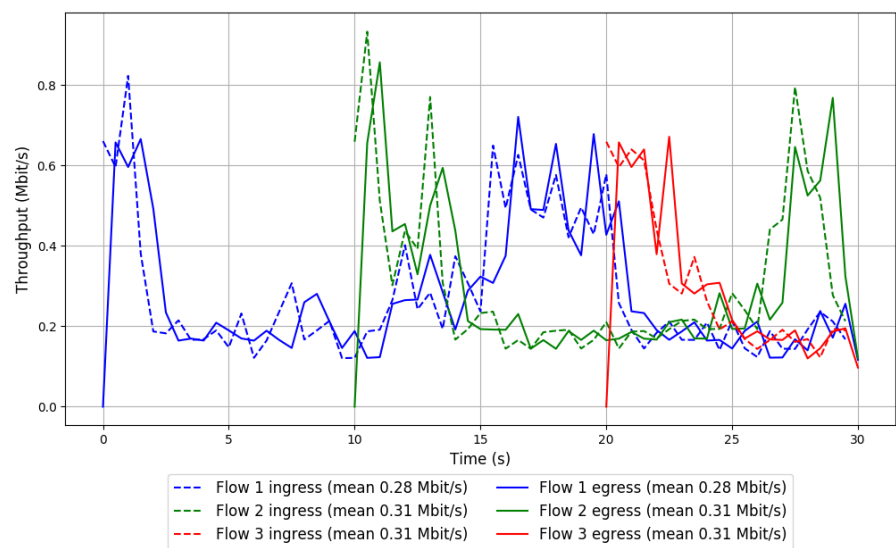
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 86.698 ms

Loss rate: 1.55%

Run 1: Report of Sprout — Data Link

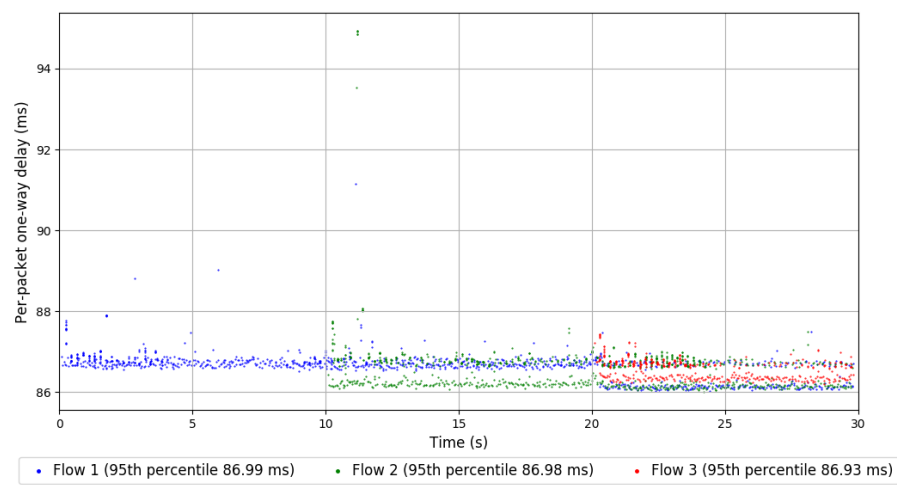
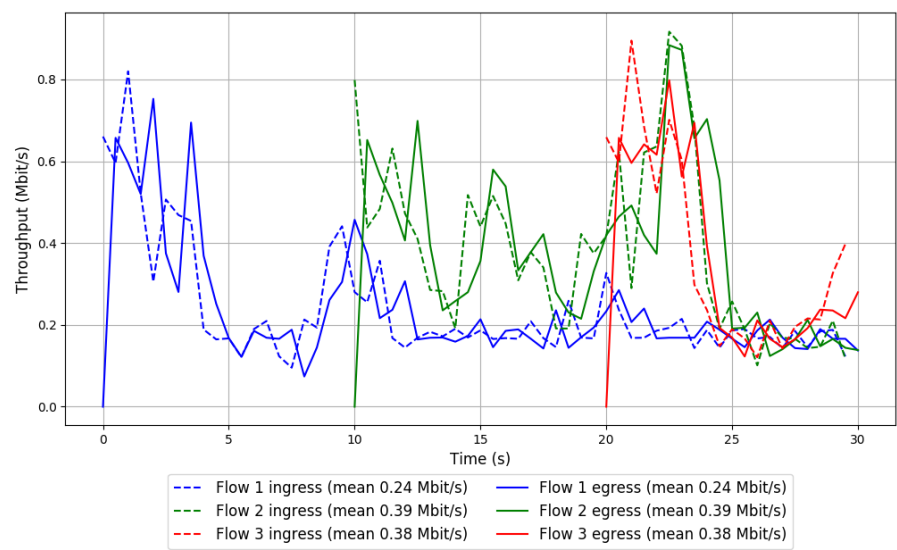


Run 2: Statistics of Sprout

Start at: 2018-06-30 05:02:35
End at: 2018-06-30 05:03:05
Local clock offset: 0.197 ms
Remote clock offset: -0.119 ms

```
# Below is generated by plot.py at 2018-06-30 09:39:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 86.983 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.993 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.983 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.933 ms
Loss rate: 3.07%
```

Run 2: Report of Sprout — Data Link

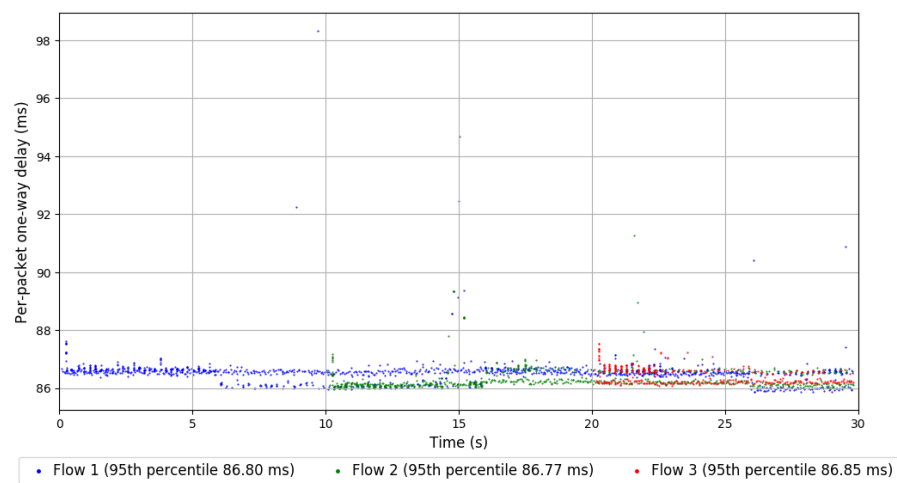
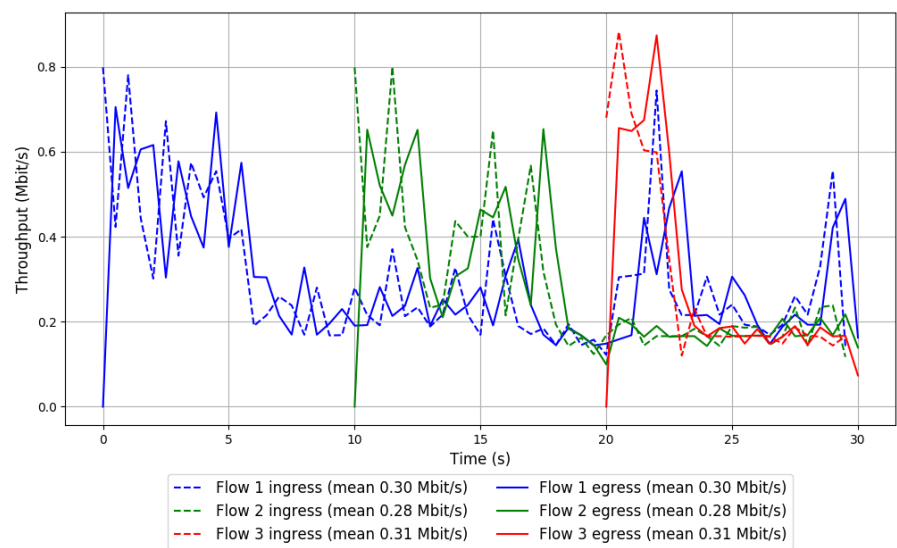


Run 3: Statistics of Sprout

Start at: 2018-06-30 05:26:20
End at: 2018-06-30 05:26:50
Local clock offset: 0.08 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 86.805 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.774 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.853 ms
Loss rate: 1.54%

Run 3: Report of Sprout — Data Link

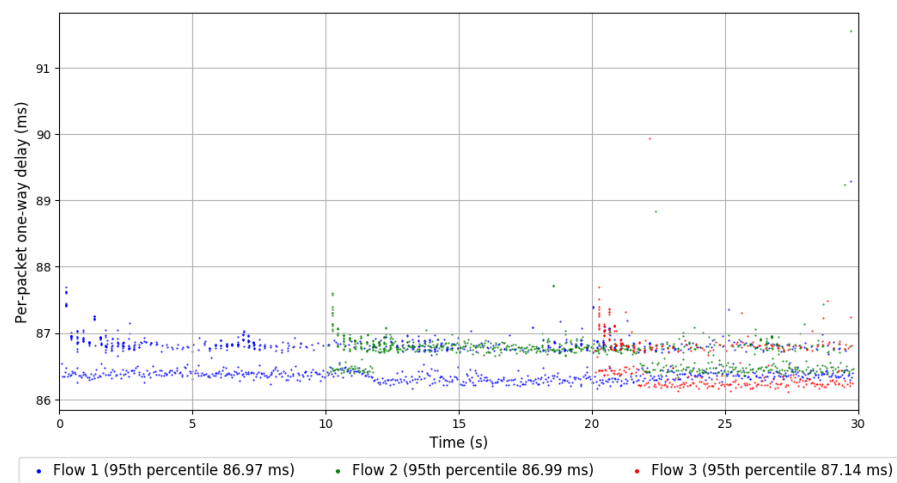
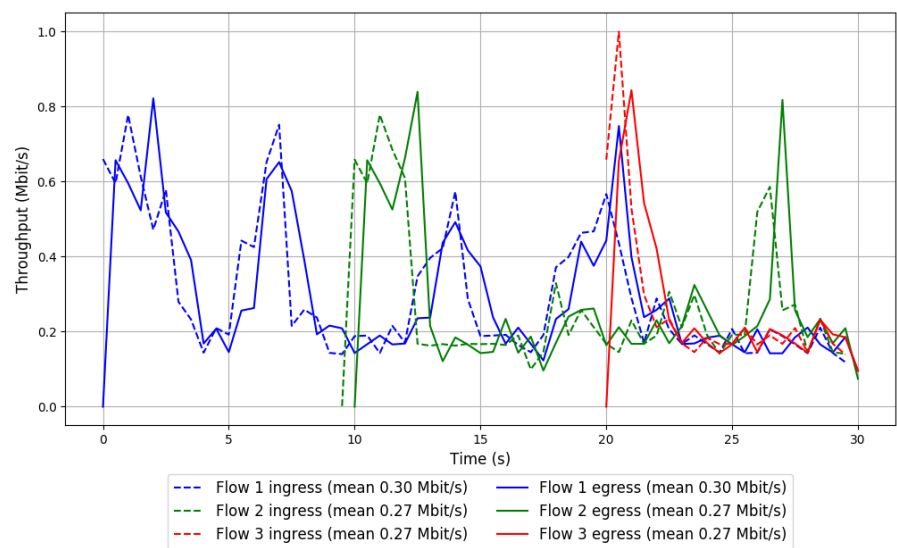


Run 4: Statistics of Sprout

Start at: 2018-06-30 05:50:04
End at: 2018-06-30 05:50:34
Local clock offset: 0.342 ms
Remote clock offset: -0.011 ms

```
# Below is generated by plot.py at 2018-06-30 09:39:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 87.028 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.973 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.994 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.140 ms
Loss rate: 1.28%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-30 06:13:53

End at: 2018-06-30 06:14:23

Local clock offset: 0.317 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-30 09:39:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 86.894 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.858 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 86.864 ms

Loss rate: 0.52%

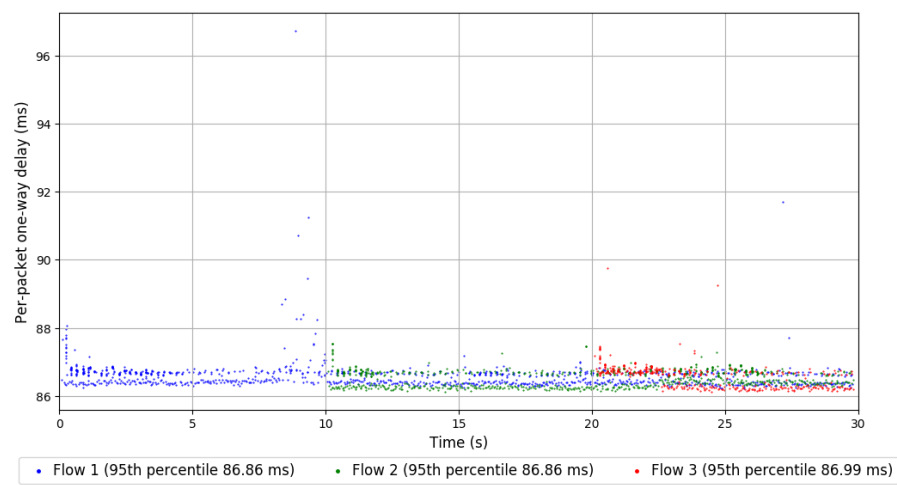
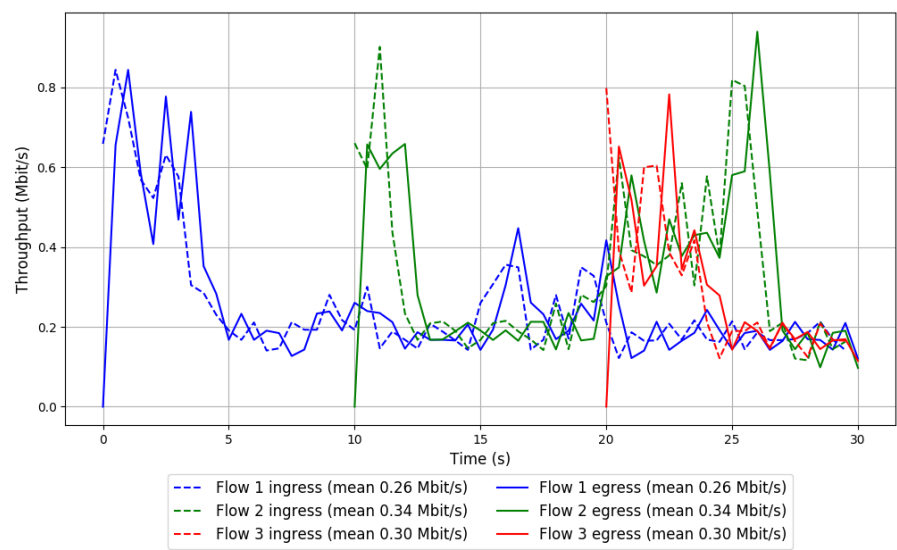
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.989 ms

Loss rate: 1.56%

Run 5: Report of Sprout — Data Link

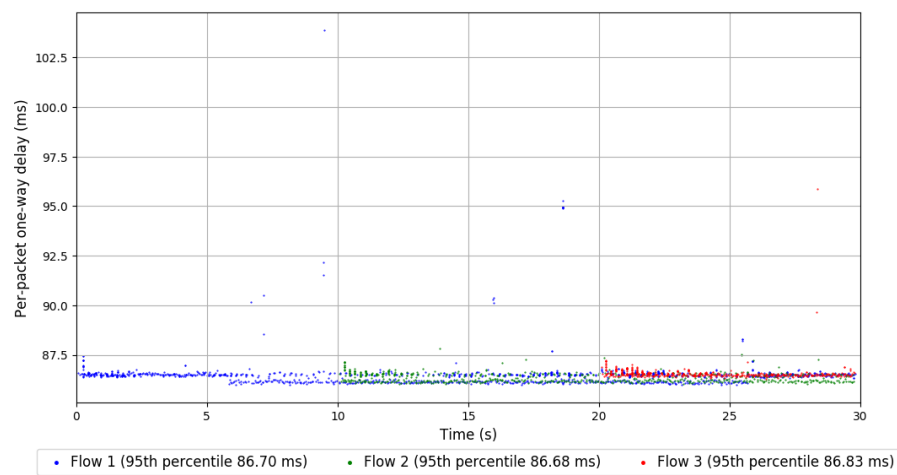
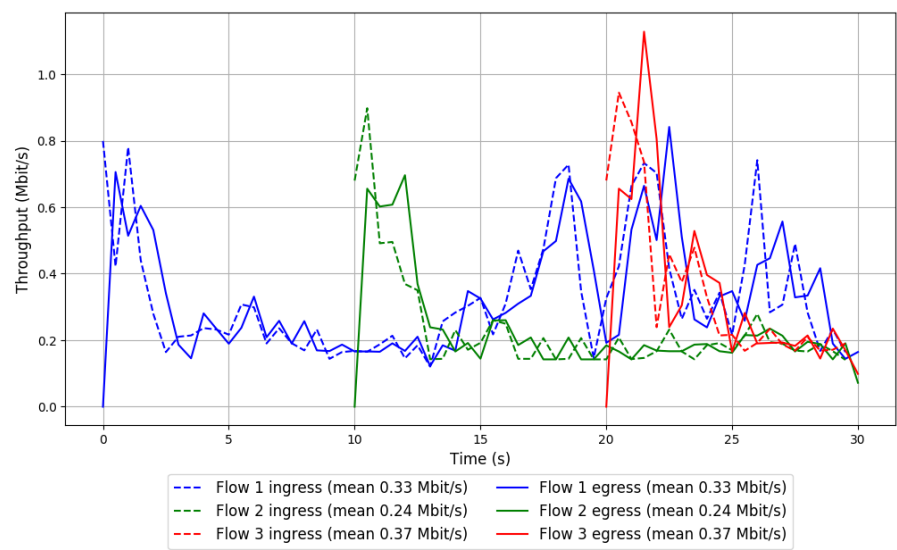


Run 6: Statistics of Sprout

Start at: 2018-06-30 06:37:20
End at: 2018-06-30 06:37:50
Local clock offset: -0.06 ms
Remote clock offset: -0.048 ms

```
# Below is generated by plot.py at 2018-06-30 09:39:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.703 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.680 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 1.31%
```

Run 6: Report of Sprout — Data Link

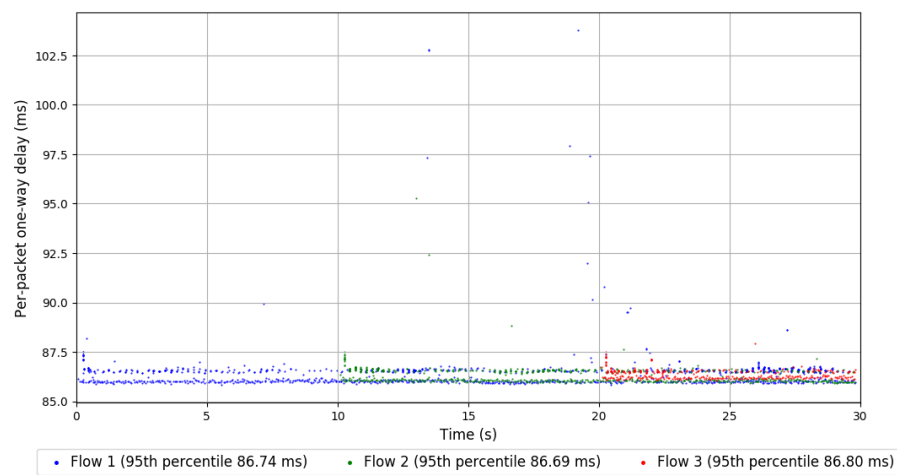
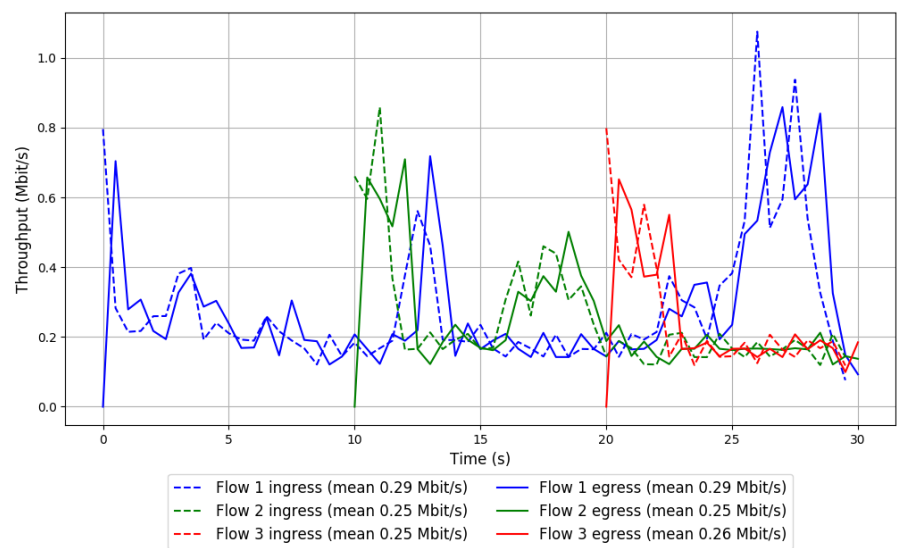


Run 7: Statistics of Sprout

Start at: 2018-06-30 07:01:16
End at: 2018-06-30 07:01:46
Local clock offset: 0.063 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 86.731 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.744 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.686 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.803 ms
Loss rate: 0.46%

Run 7: Report of Sprout — Data Link

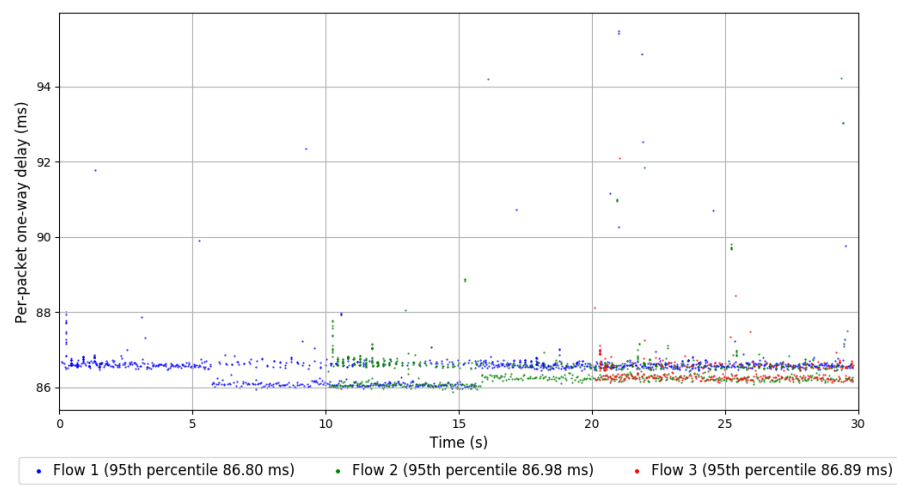
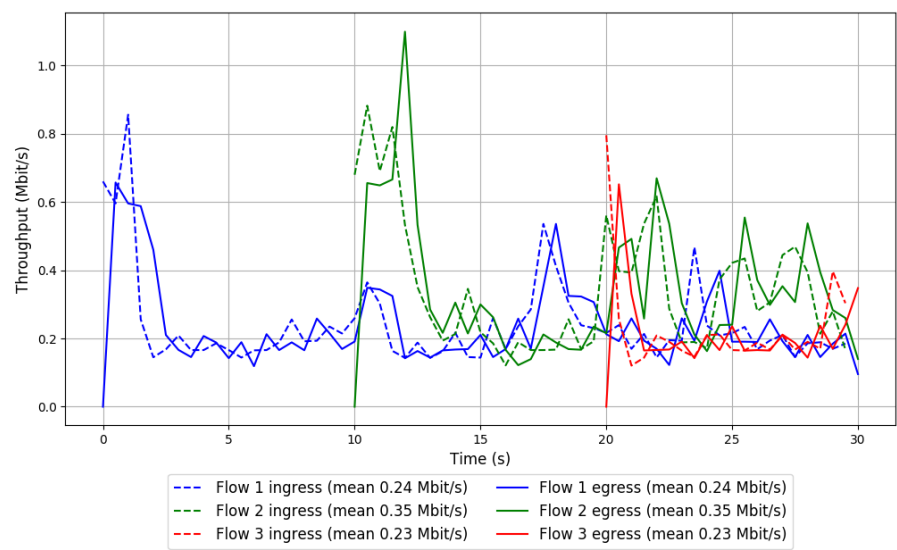


Run 8: Statistics of Sprout

Start at: 2018-06-30 07:25:20
End at: 2018-06-30 07:25:50
Local clock offset: 0.14 ms
Remote clock offset: -0.057 ms

```
# Below is generated by plot.py at 2018-06-30 09:39:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.985 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.890 ms
Loss rate: 2.49%
```

Run 8: Report of Sprout — Data Link

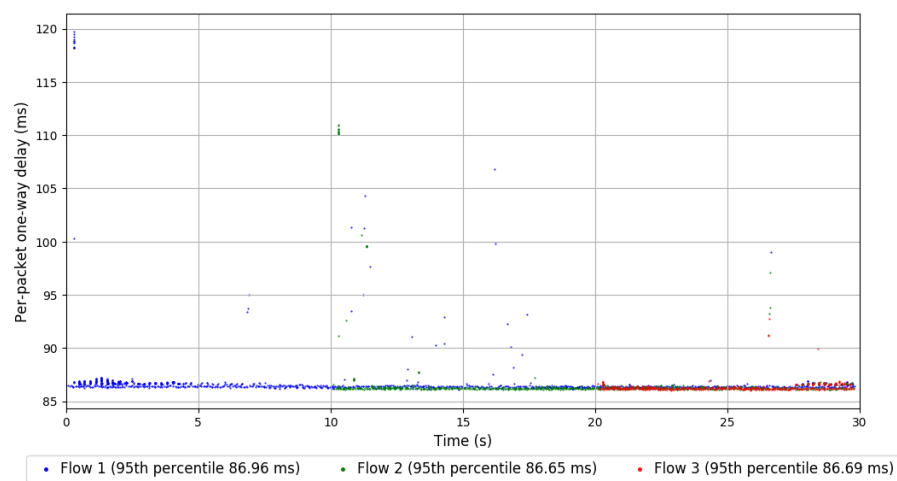
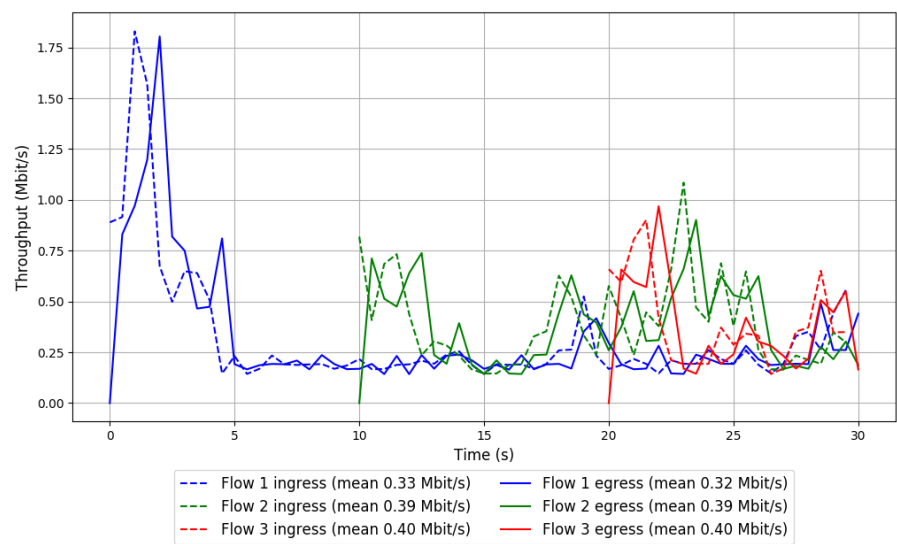


Run 9: Statistics of Sprout

Start at: 2018-06-30 07:48:58
End at: 2018-06-30 07:49:28
Local clock offset: 0.139 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 2.38%

Run 9: Report of Sprout — Data Link

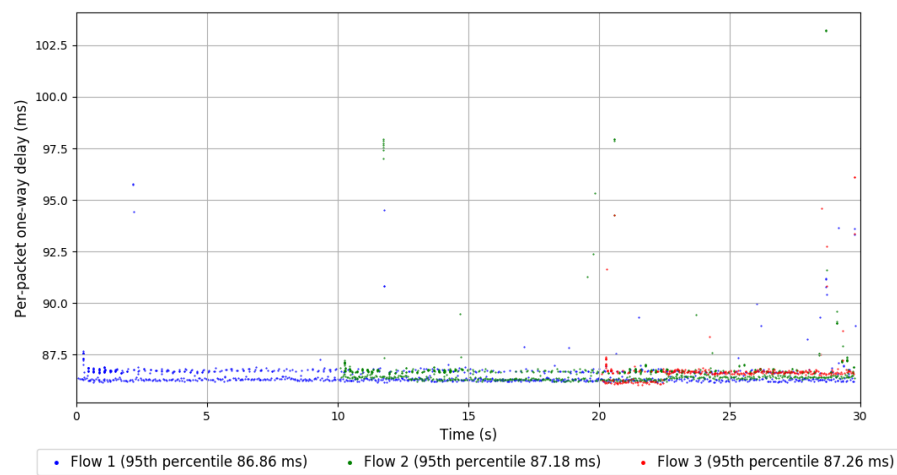
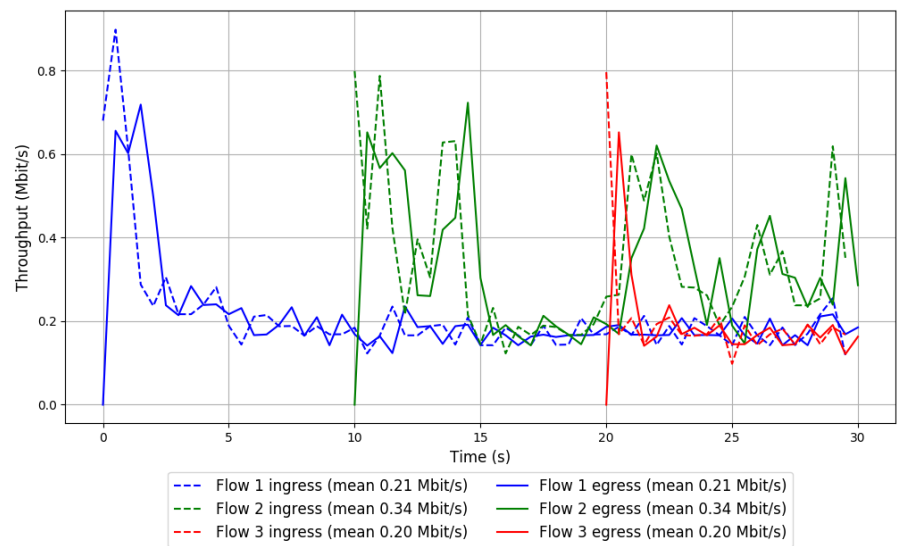


Run 10: Statistics of Sprout

Start at: 2018-06-30 08:12:53
End at: 2018-06-30 08:13:23
Local clock offset: 0.174 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-06-30 09:39:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 87.076 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.861 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 87.176 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 87.263 ms
Loss rate: 1.78%

Run 10: Report of Sprout — Data Link

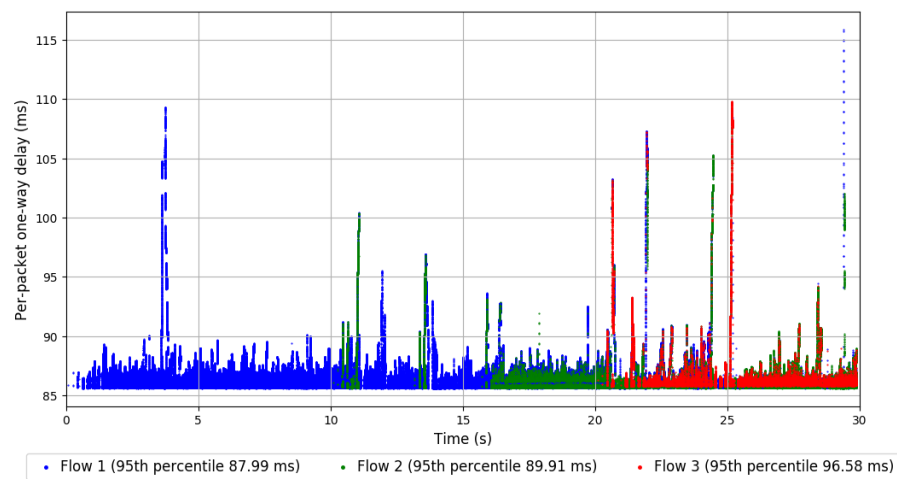
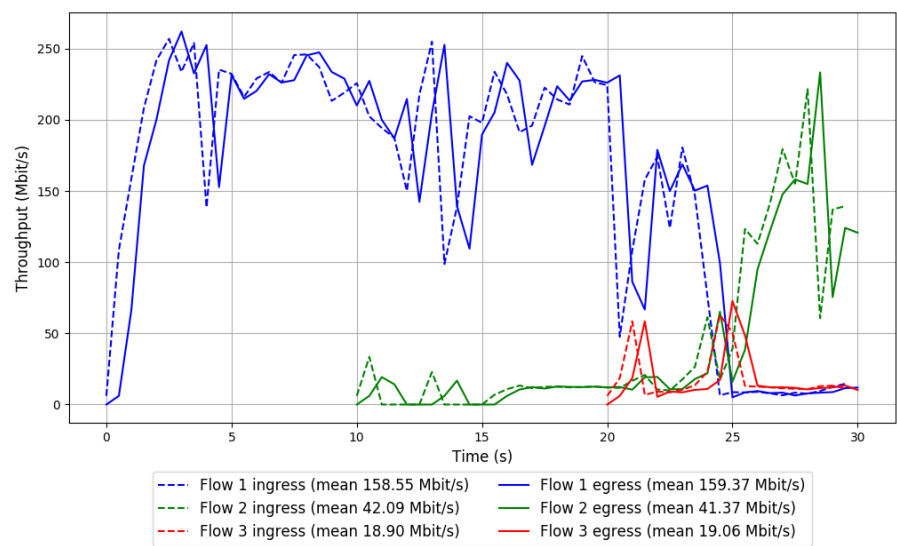


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 04:33:26
End at: 2018-06-30 04:33:56
Local clock offset: -0.149 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-06-30 09:42:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 193.11 Mbit/s
95th percentile per-packet one-way delay: 88.269 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 159.37 Mbit/s
95th percentile per-packet one-way delay: 87.993 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 89.905 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 96.579 ms
Loss rate: 0.90%
```


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

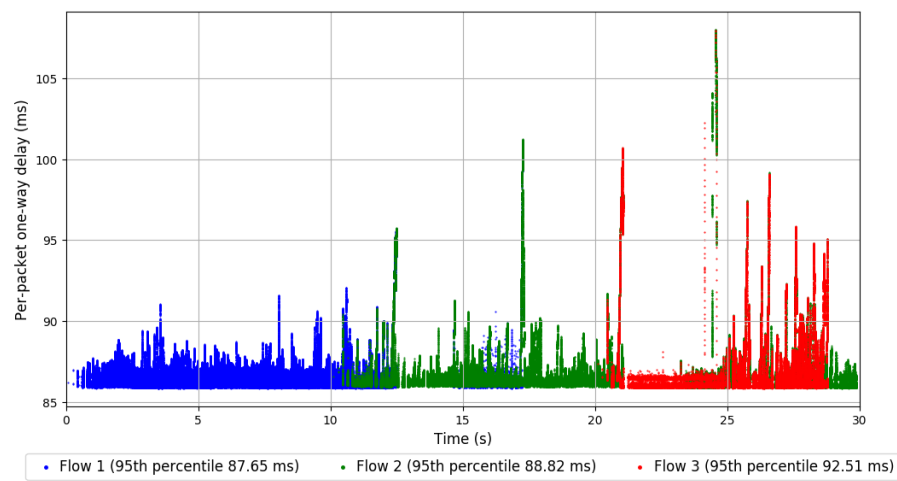
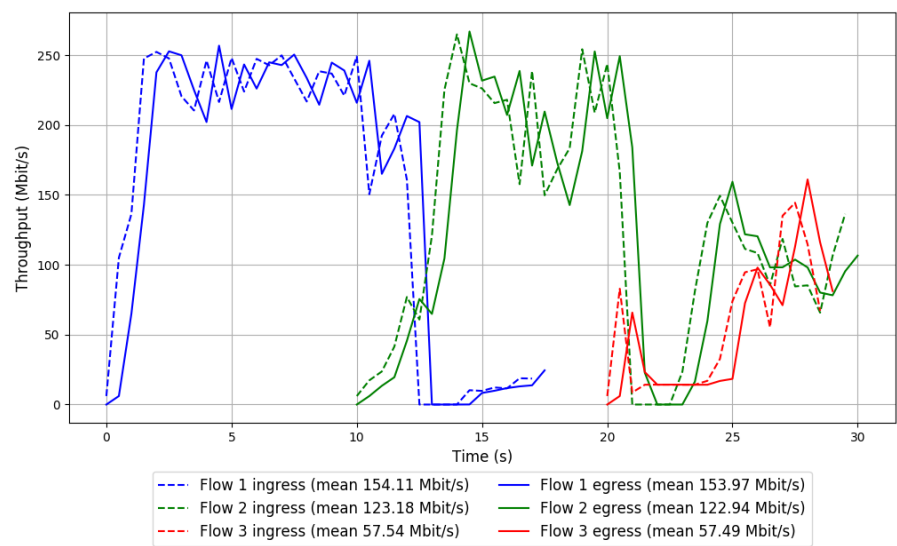


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 04:57:05
End at: 2018-06-30 04:57:35
Local clock offset: 0.136 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-30 09:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.09 Mbit/s
95th percentile per-packet one-way delay: 88.478 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 153.97 Mbit/s
95th percentile per-packet one-way delay: 87.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.94 Mbit/s
95th percentile per-packet one-way delay: 88.816 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 92.510 ms
Loss rate: 0.00%

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

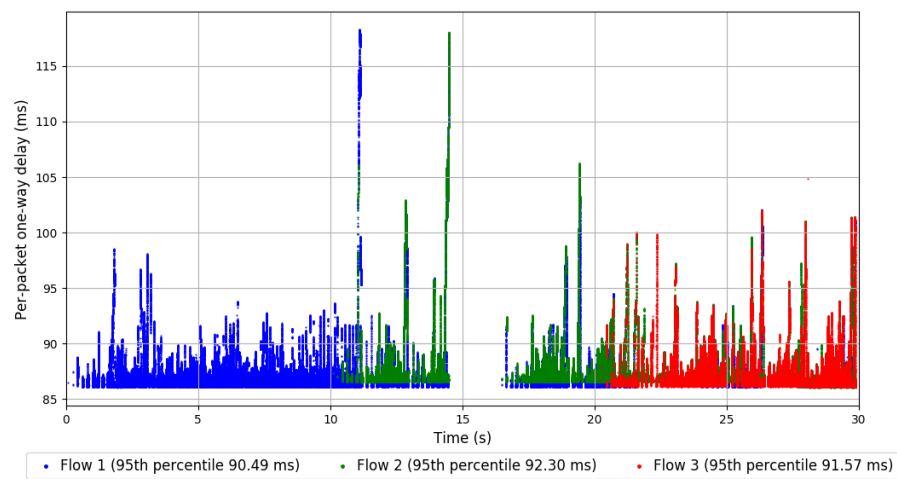
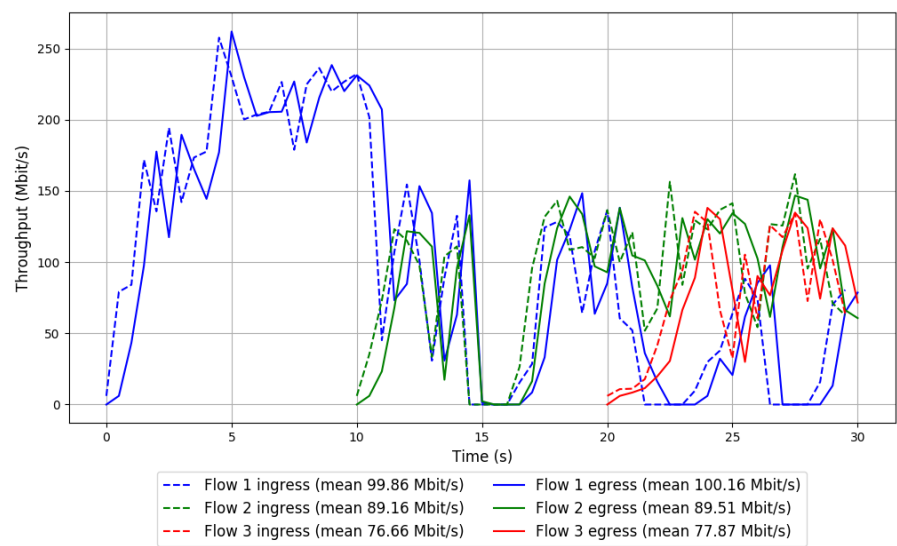


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 05:20:48
End at: 2018-06-30 05:21:18
Local clock offset: 0.203 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-30 09:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.03 Mbit/s
95th percentile per-packet one-way delay: 91.402 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 100.16 Mbit/s
95th percentile per-packet one-way delay: 90.488 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 92.298 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 91.570 ms
Loss rate: 0.18%

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

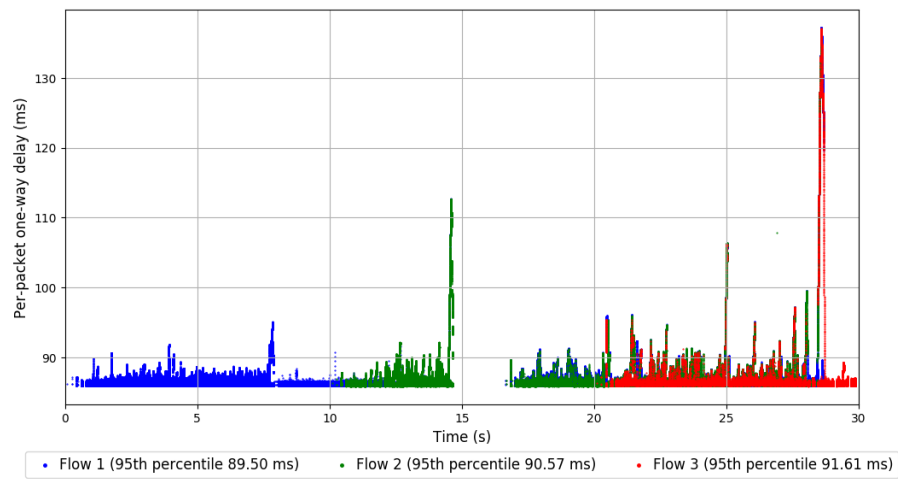
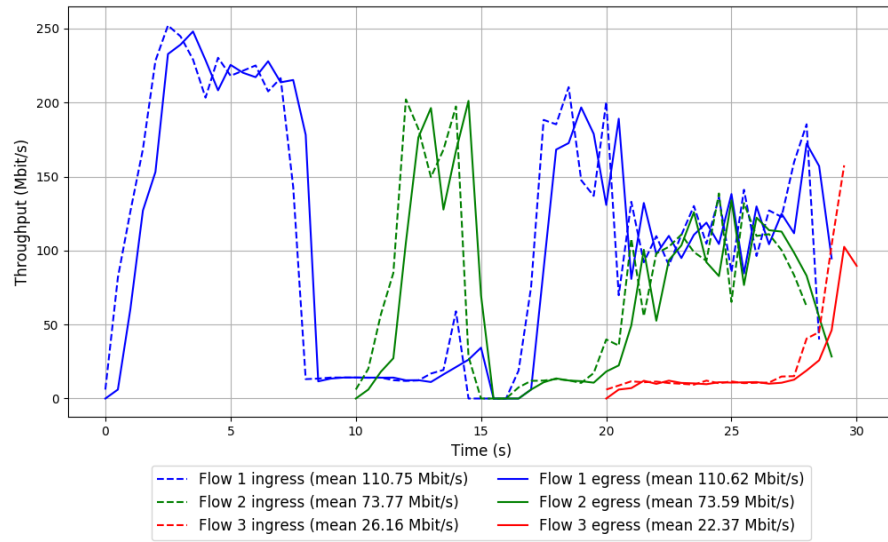


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 05:44:35
End at: 2018-06-30 05:45:05
Local clock offset: 0.049 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-30 09:42:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.25 Mbit/s
95th percentile per-packet one-way delay: 89.865 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 110.62 Mbit/s
95th percentile per-packet one-way delay: 89.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 90.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 91.613 ms
Loss rate: 15.98%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 06:08:21

End at: 2018-06-30 06:08:51

Local clock offset: 0.363 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-30 09:42:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.94 Mbit/s

95th percentile per-packet one-way delay: 91.168 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 107.77 Mbit/s

95th percentile per-packet one-way delay: 90.081 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 47.65 Mbit/s

95th percentile per-packet one-way delay: 93.671 ms

Loss rate: 0.32%

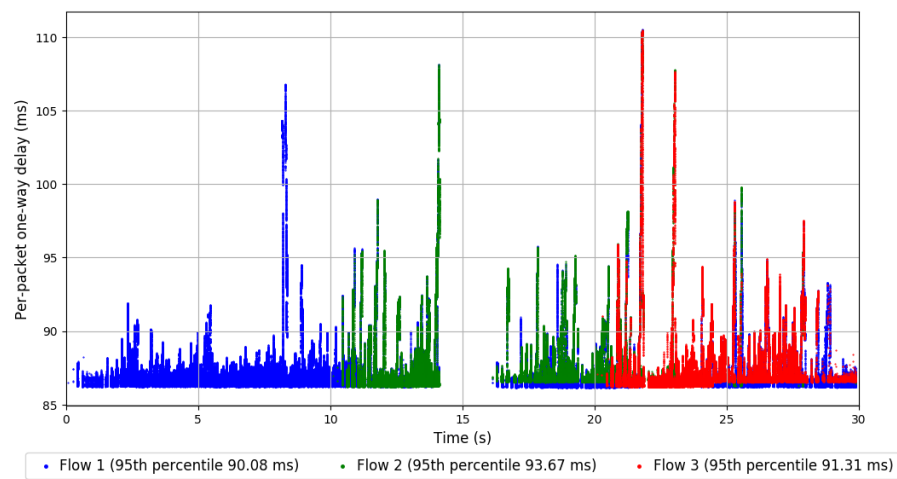
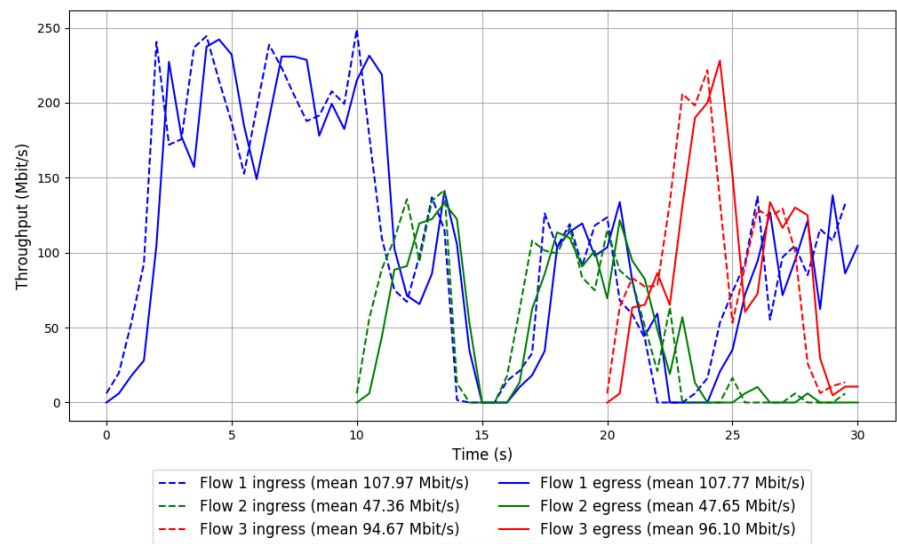
-- Flow 3:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 91.311 ms

Loss rate: 0.26%

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

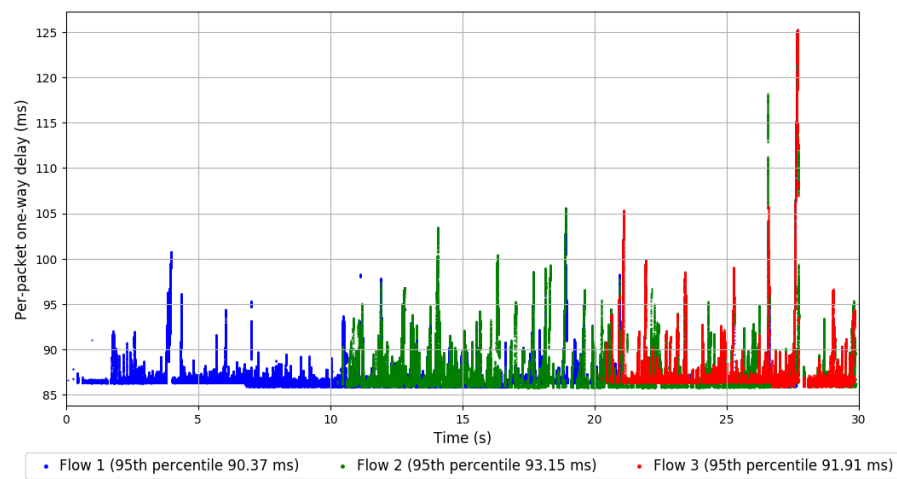
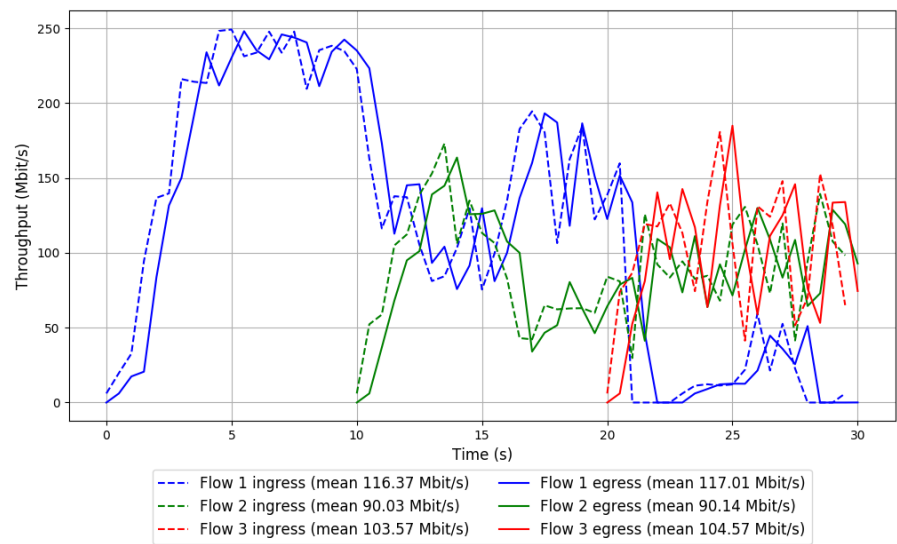


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 06:31:49
End at: 2018-06-30 06:32:19
Local clock offset: 0.087 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-30 09:44:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.35 Mbit/s
95th percentile per-packet one-way delay: 91.660 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 117.01 Mbit/s
95th percentile per-packet one-way delay: 90.367 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 93.147 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 104.57 Mbit/s
95th percentile per-packet one-way delay: 91.908 ms
Loss rate: 0.59%

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

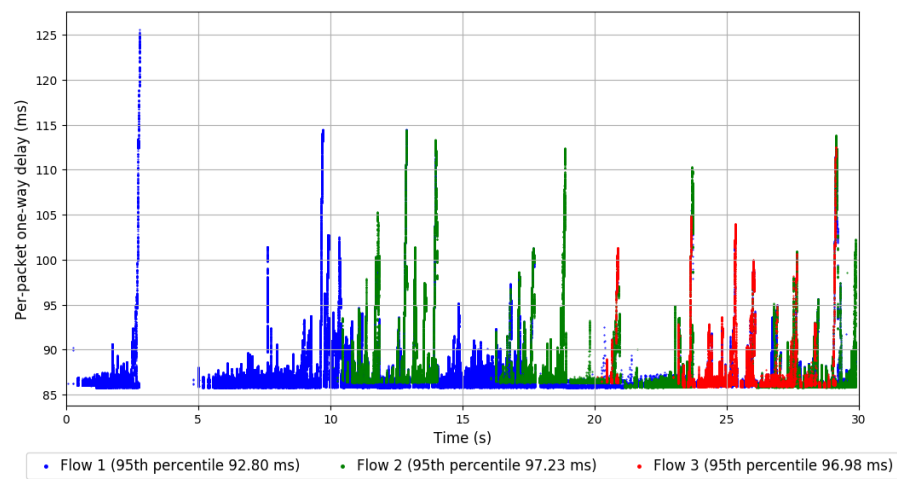
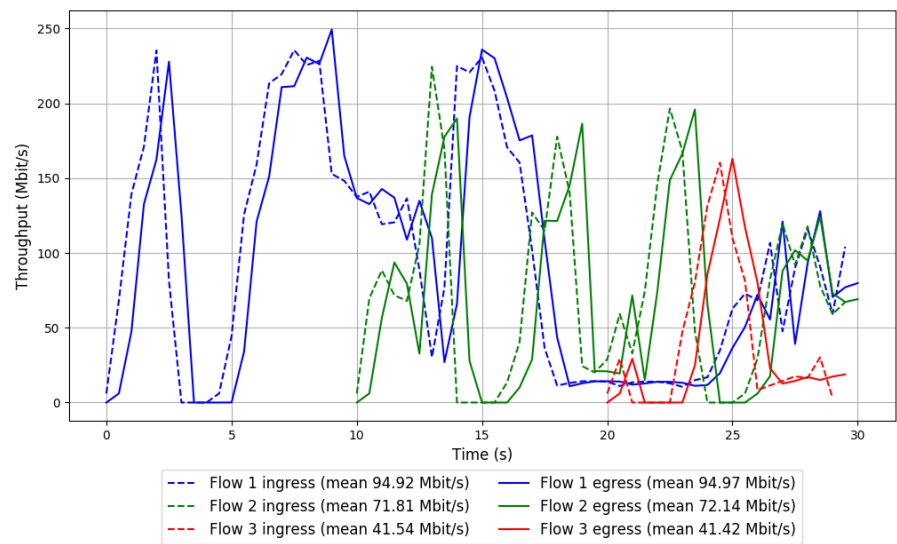


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 06:55:45
End at: 2018-06-30 06:56:15
Local clock offset: 0.074 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-30 09:44:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.37 Mbit/s
95th percentile per-packet one-way delay: 94.589 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 92.795 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 97.228 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 96.983 ms
Loss rate: 0.00%

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

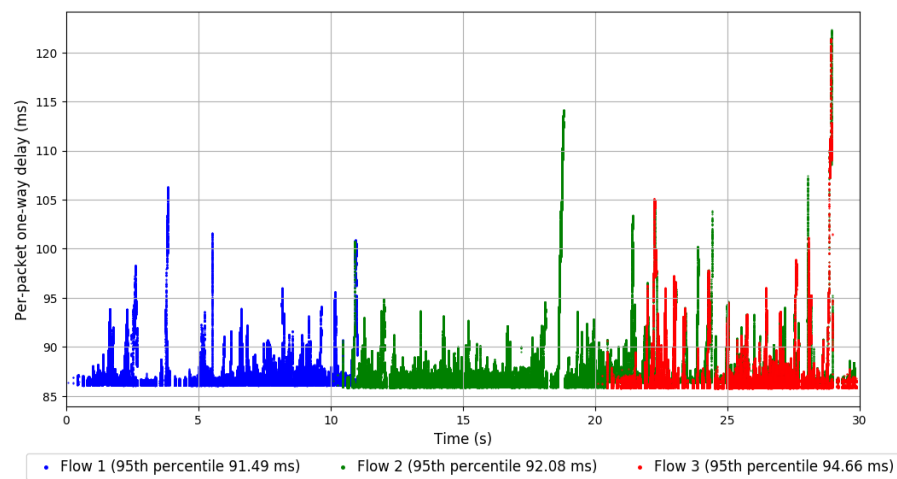
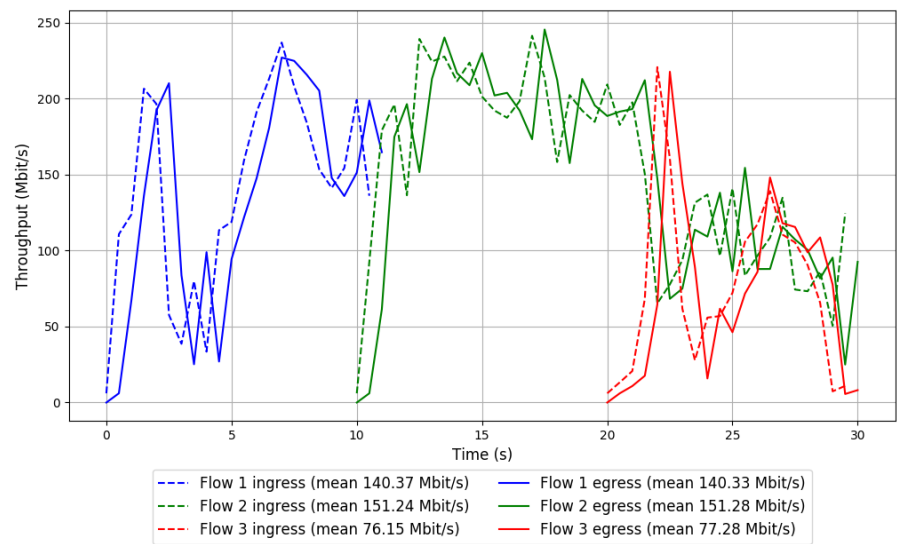


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 07:19:45
End at: 2018-06-30 07:20:15
Local clock offset: 0.177 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-30 09:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.85 Mbit/s
95th percentile per-packet one-way delay: 92.391 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 140.33 Mbit/s
95th percentile per-packet one-way delay: 91.491 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.28 Mbit/s
95th percentile per-packet one-way delay: 92.080 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 94.657 ms
Loss rate: 0.30%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 07:43:30

End at: 2018-06-30 07:44:00

Local clock offset: 0.098 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-06-30 09:46:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.42 Mbit/s

95th percentile per-packet one-way delay: 93.732 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 92.551 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 108.322 ms

Loss rate: 0.00%

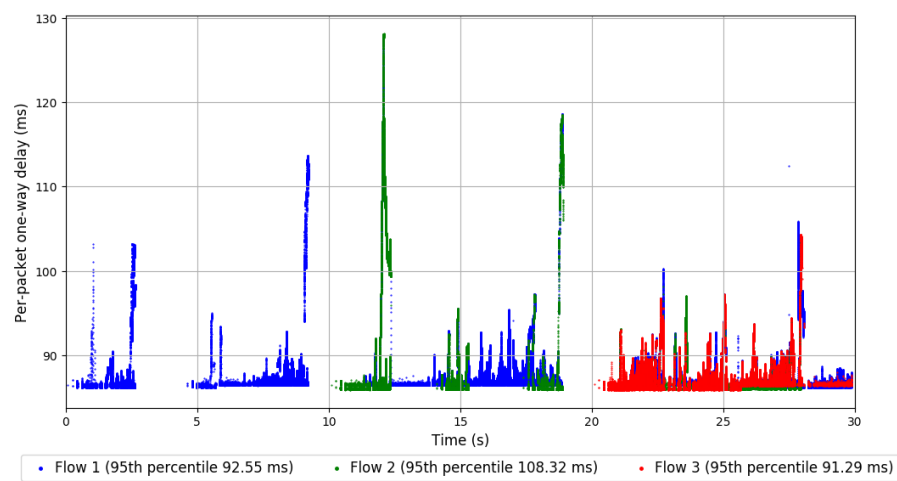
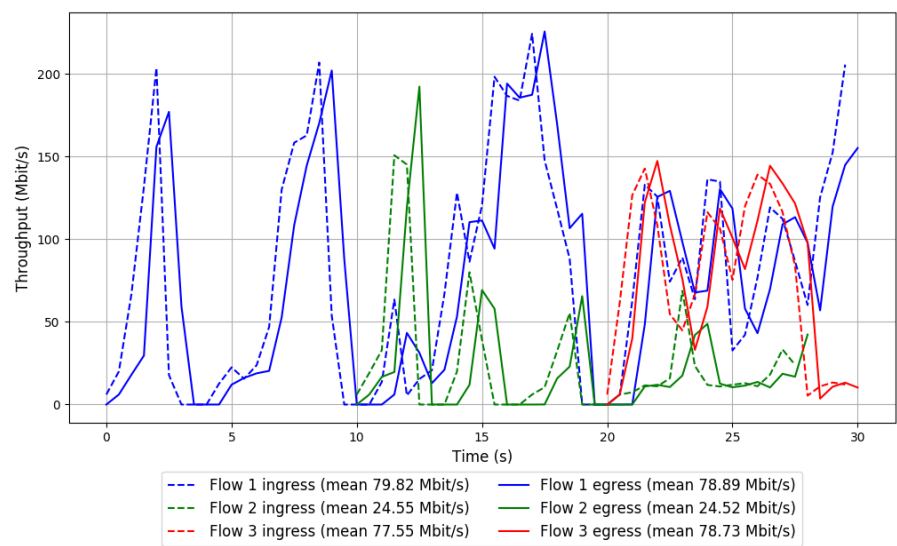
-- Flow 3:

Average throughput: 78.73 Mbit/s

95th percentile per-packet one-way delay: 91.286 ms

Loss rate: 0.26%

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

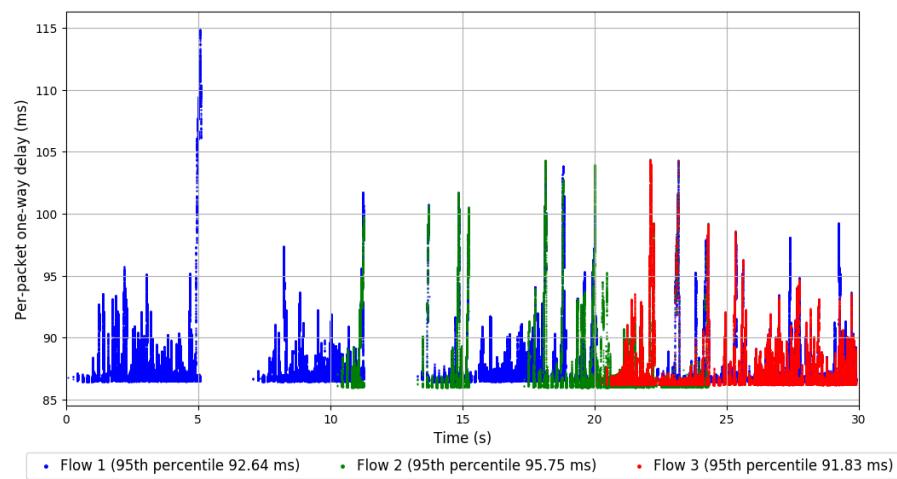
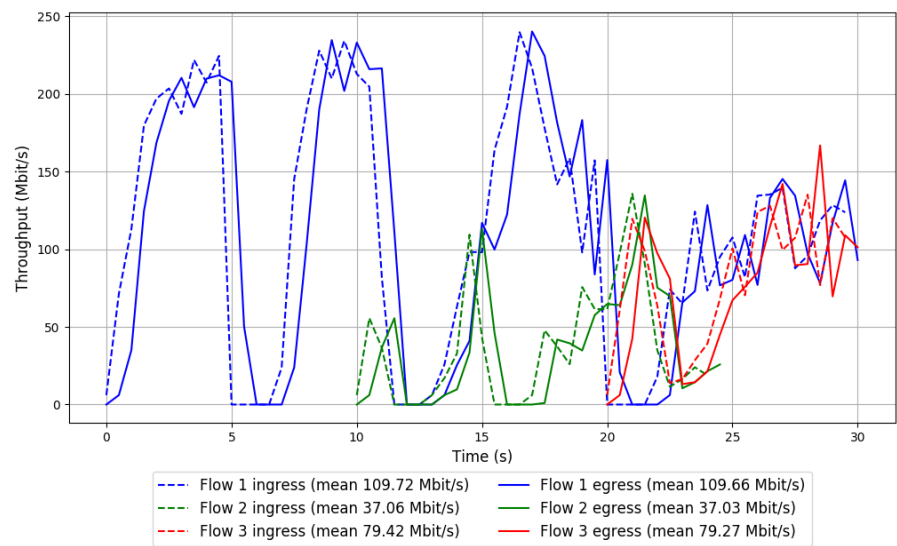


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 08:07:24
End at: 2018-06-30 08:07:54
Local clock offset: 0.219 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-30 09:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 153.34 Mbit/s
95th percentile per-packet one-way delay: 92.737 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 109.66 Mbit/s
95th percentile per-packet one-way delay: 92.636 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 95.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.27 Mbit/s
95th percentile per-packet one-way delay: 91.825 ms
Loss rate: 2.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 04:25:54

End at: 2018-06-30 04:26:24

Local clock offset: 0.28 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-06-30 09:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 182.18 Mbit/s

95th percentile per-packet one-way delay: 100.233 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 131.27 Mbit/s

95th percentile per-packet one-way delay: 100.558 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 75.79 Mbit/s

95th percentile per-packet one-way delay: 97.551 ms

Loss rate: 0.95%

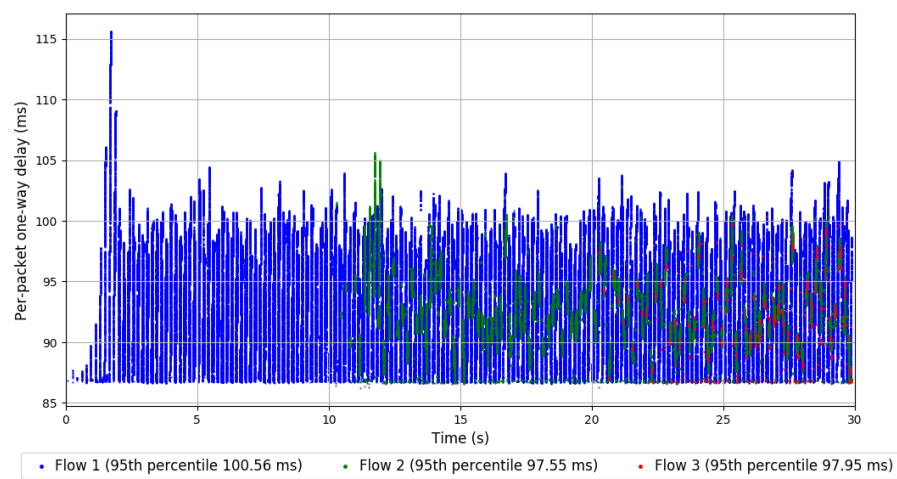
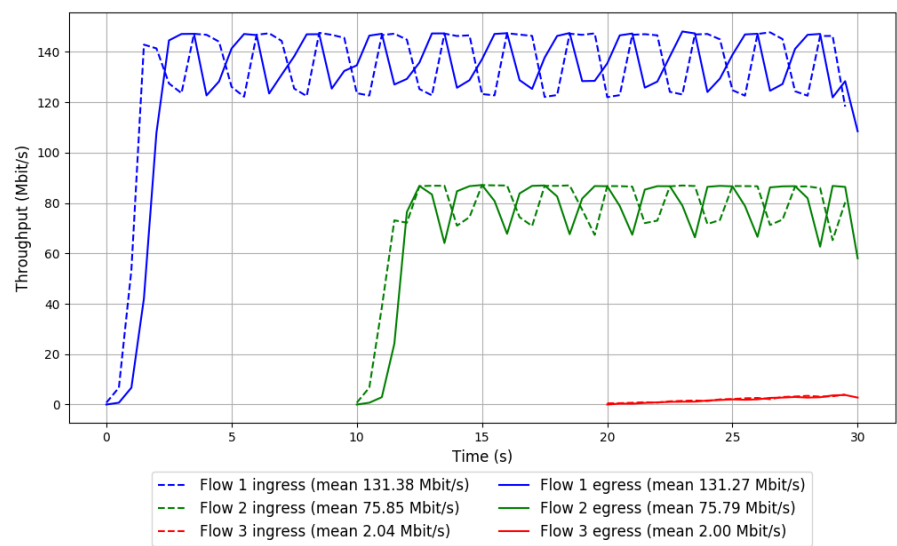
-- Flow 3:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 97.954 ms

Loss rate: 3.60%

Run 1: Report of TCP Vegas — Data Link

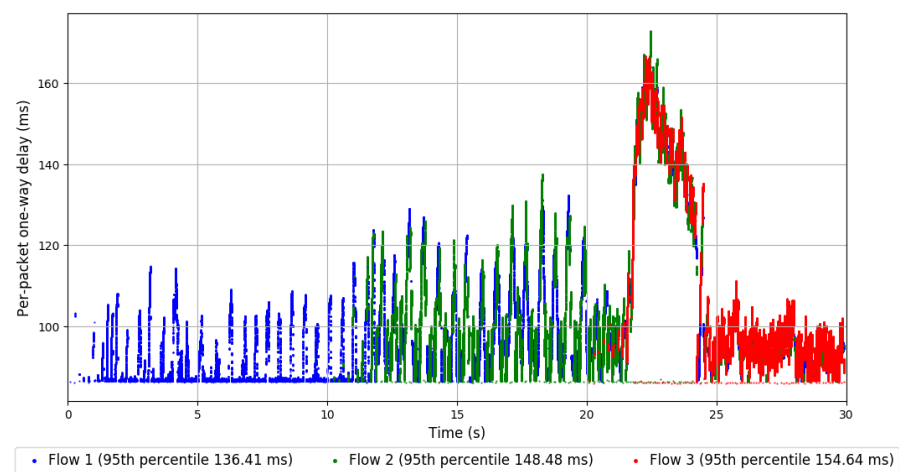
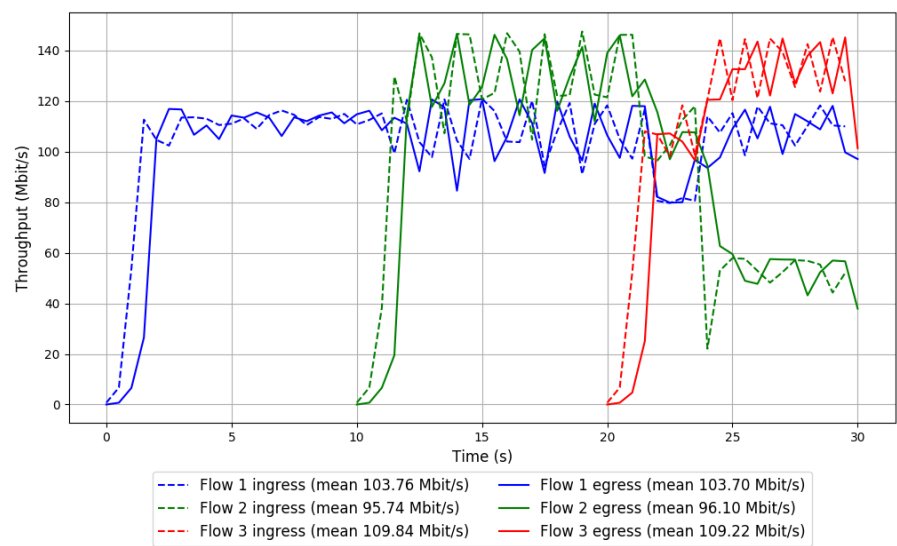


Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 04:49:44
End at: 2018-06-30 04:50:14
Local clock offset: 0.112 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-30 09:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.32 Mbit/s
95th percentile per-packet one-way delay: 147.635 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 103.70 Mbit/s
95th percentile per-packet one-way delay: 136.410 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 148.484 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 109.22 Mbit/s
95th percentile per-packet one-way delay: 154.638 ms
Loss rate: 2.31%

Run 2: Report of TCP Vegas — Data Link

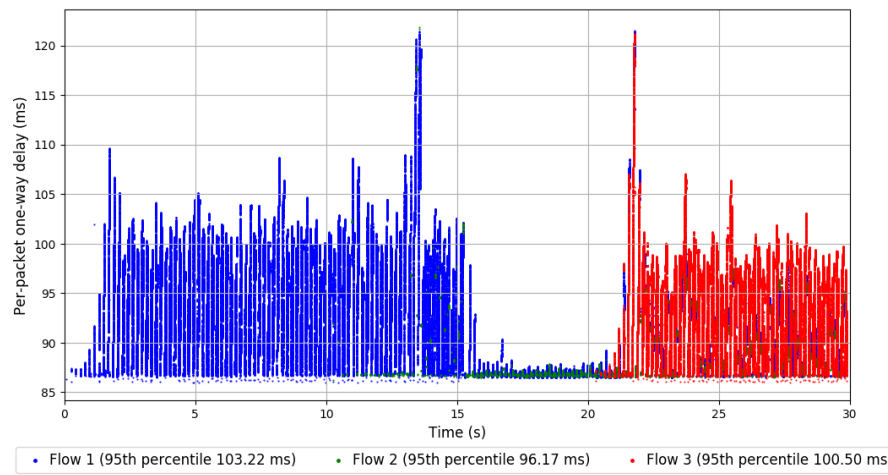
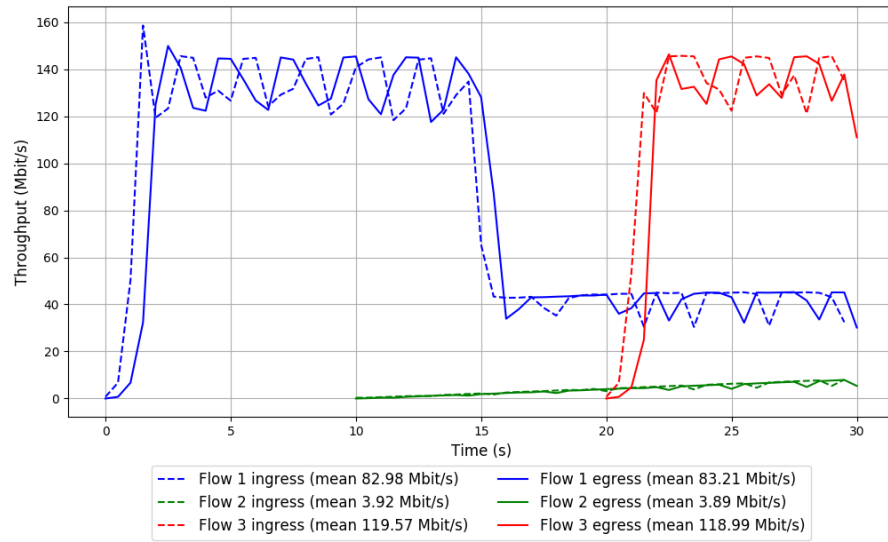


Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 05:13:19
End at: 2018-06-30 05:13:49
Local clock offset: 0.223 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-30 09:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.80 Mbit/s
95th percentile per-packet one-way delay: 102.505 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 83.21 Mbit/s
95th percentile per-packet one-way delay: 103.217 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 96.173 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 100.500 ms
Loss rate: 2.23%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 05:37:07

End at: 2018-06-30 05:37:37

Local clock offset: 0.042 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-06-30 09:47:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.19 Mbit/s

95th percentile per-packet one-way delay: 101.633 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 100.017 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 61.89 Mbit/s

95th percentile per-packet one-way delay: 104.054 ms

Loss rate: 0.65%

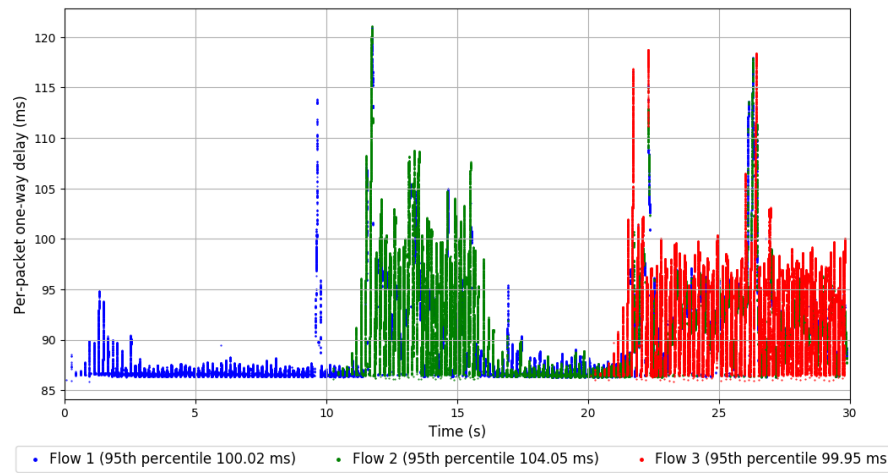
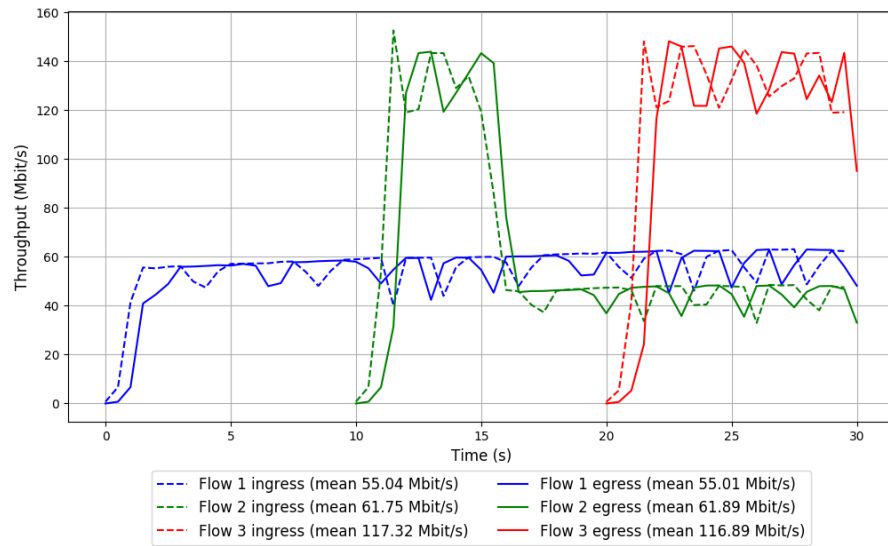
-- Flow 3:

Average throughput: 116.89 Mbit/s

95th percentile per-packet one-way delay: 99.952 ms

Loss rate: 2.06%

Run 4: Report of TCP Vegas — Data Link

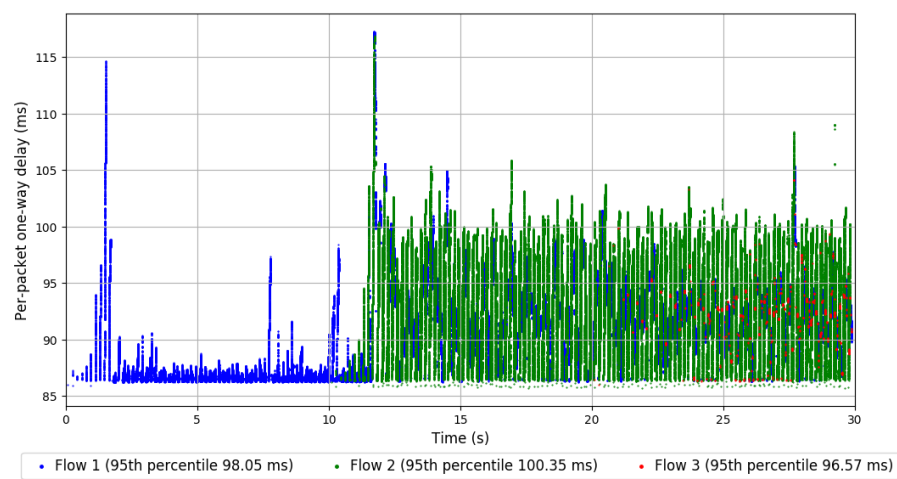
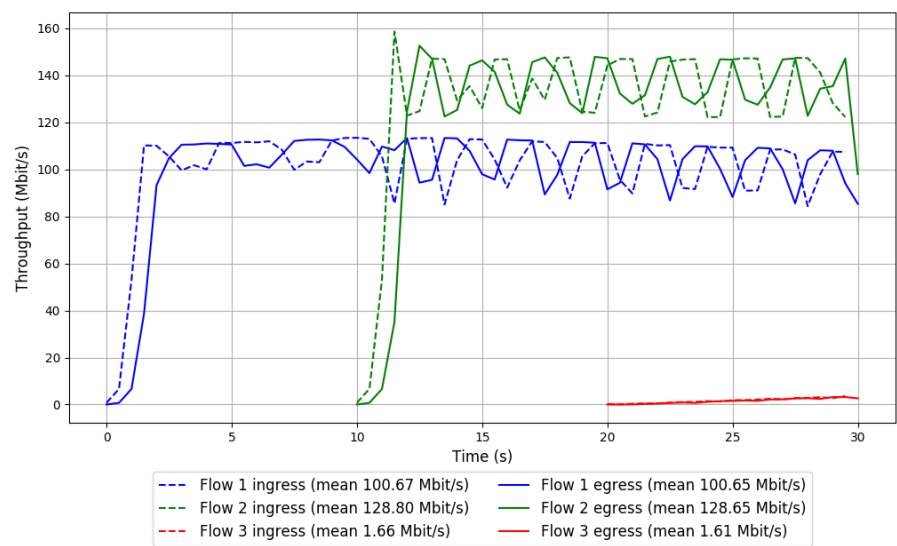


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 06:00:54
End at: 2018-06-30 06:01:24
Local clock offset: -0.044 ms
Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-30 09:48:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 186.35 Mbit/s
95th percentile per-packet one-way delay: 99.865 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 100.65 Mbit/s
95th percentile per-packet one-way delay: 98.048 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 128.65 Mbit/s
95th percentile per-packet one-way delay: 100.354 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 96.568 ms
Loss rate: 4.52%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 06:24:39

End at: 2018-06-30 06:25:09

Local clock offset: 0.101 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-30 09:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.57 Mbit/s

95th percentile per-packet one-way delay: 100.319 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 127.68 Mbit/s

95th percentile per-packet one-way delay: 100.060 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 98.604 ms

Loss rate: 1.67%

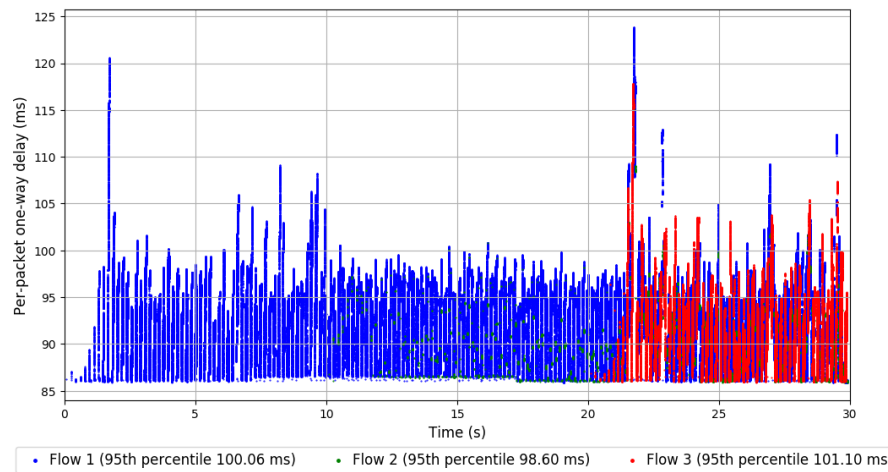
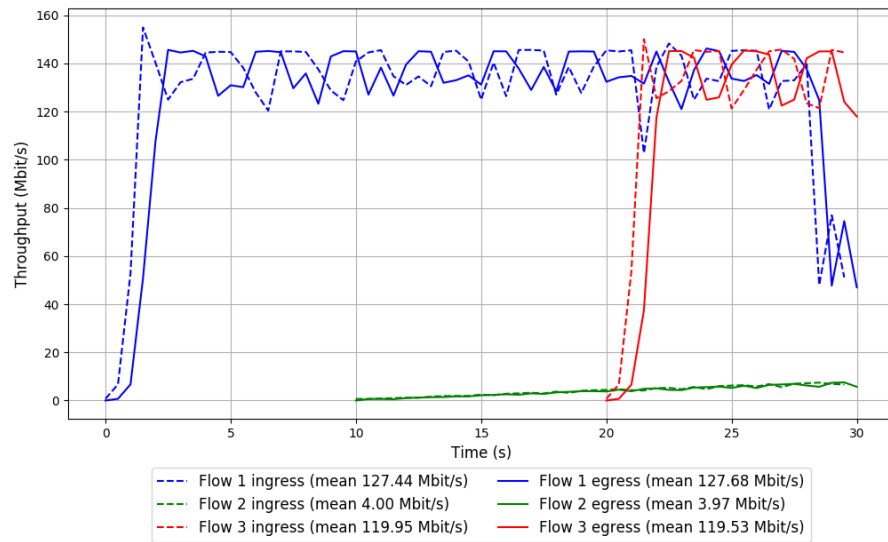
-- Flow 3:

Average throughput: 119.53 Mbit/s

95th percentile per-packet one-way delay: 101.101 ms

Loss rate: 2.02%

Run 6: Report of TCP Vegas — Data Link

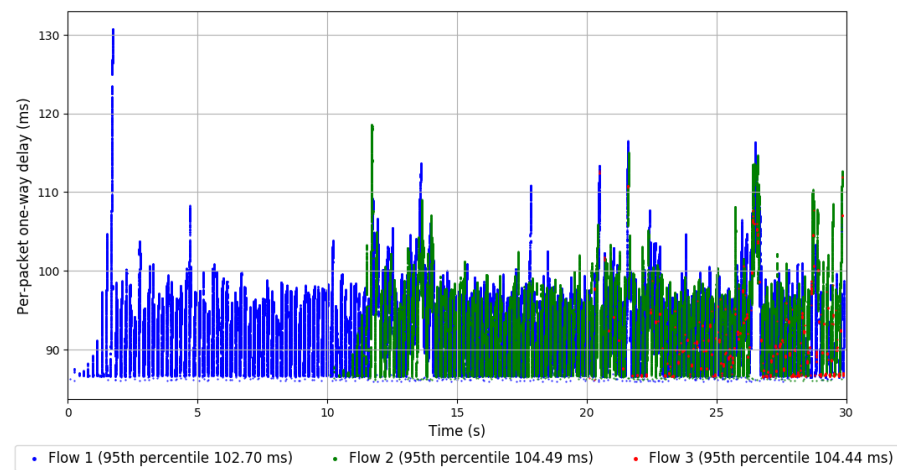
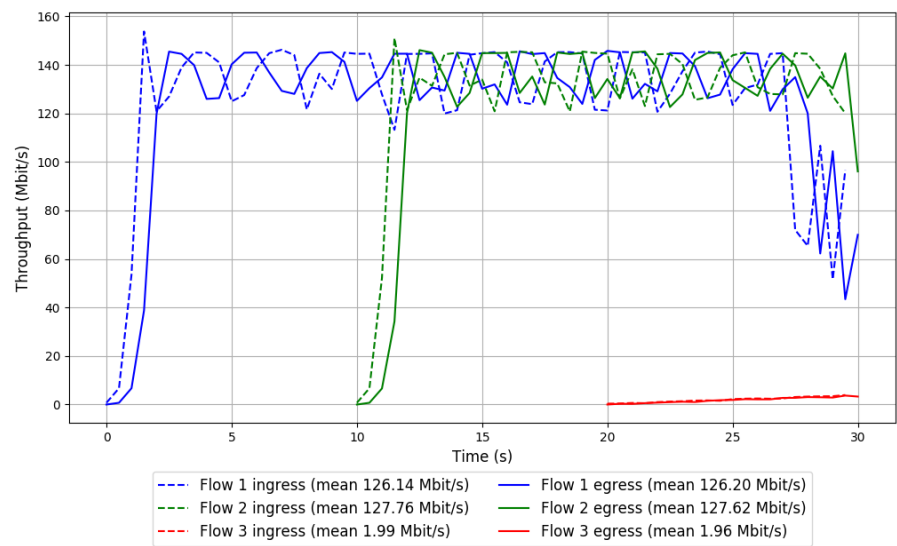


Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 06:48:08
End at: 2018-06-30 06:48:38
Local clock offset: 0.079 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-30 09:49:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.39 Mbit/s
95th percentile per-packet one-way delay: 103.134 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 126.20 Mbit/s
95th percentile per-packet one-way delay: 102.697 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 127.62 Mbit/s
95th percentile per-packet one-way delay: 104.492 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 104.442 ms
Loss rate: 3.51%

Run 7: Report of TCP Vegas — Data Link

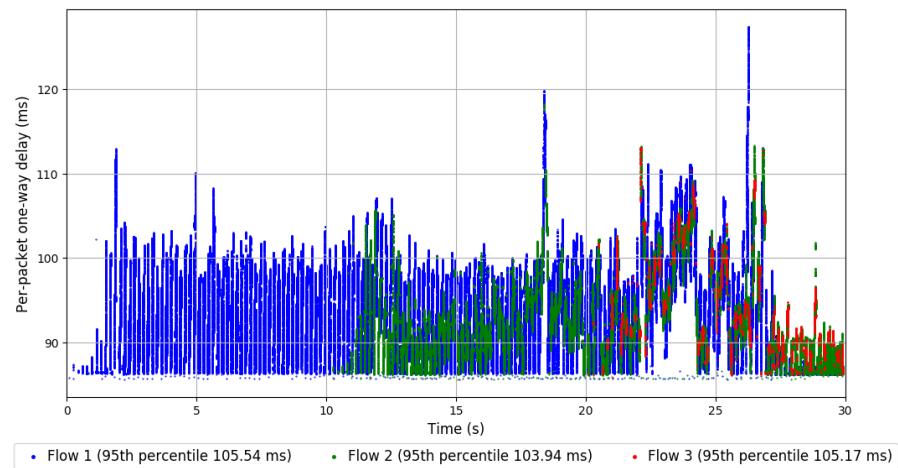
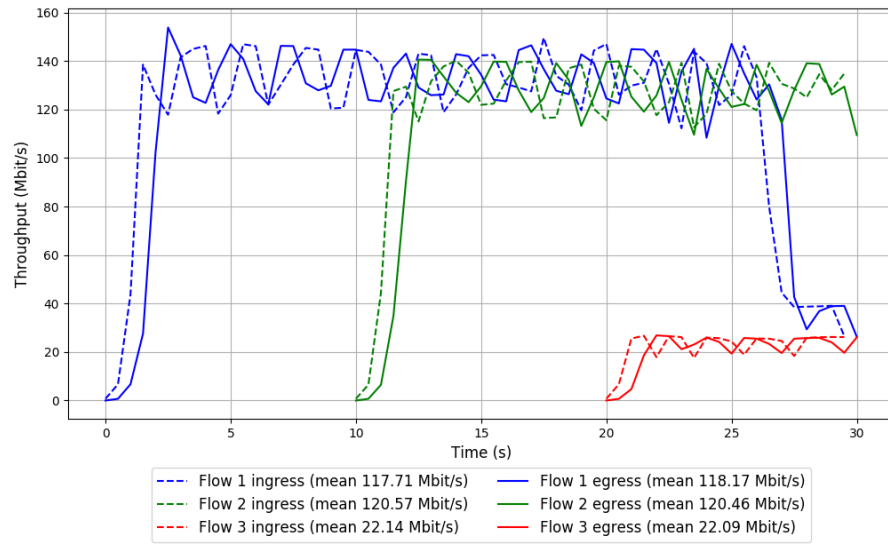


Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 07:12:08
End at: 2018-06-30 07:12:38
Local clock offset: -0.056 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-30 09:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.37 Mbit/s
95th percentile per-packet one-way delay: 104.722 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 105.536 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 120.46 Mbit/s
95th percentile per-packet one-way delay: 103.940 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 105.166 ms
Loss rate: 1.99%

Run 8: Report of TCP Vegas — Data Link

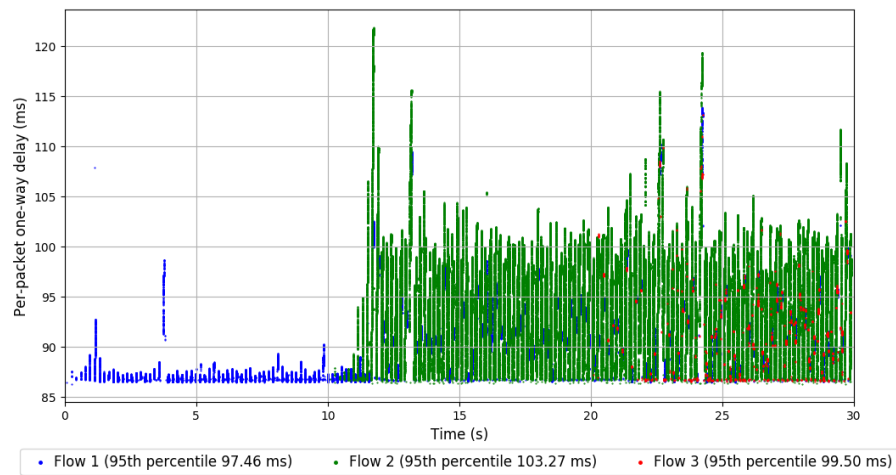
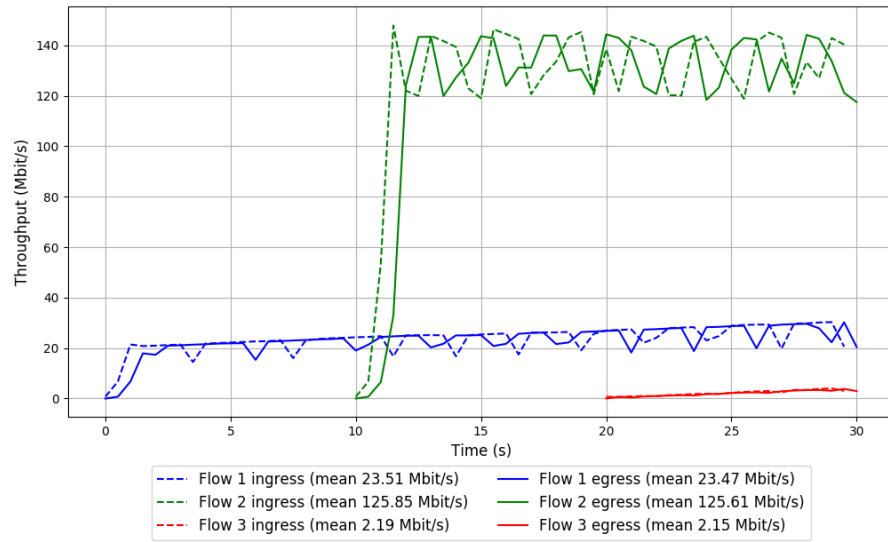


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 07:36:10
End at: 2018-06-30 07:36:40
Local clock offset: 0.221 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-30 09:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.58 Mbit/s
95th percentile per-packet one-way delay: 102.583 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 97.456 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 125.61 Mbit/s
95th percentile per-packet one-way delay: 103.265 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 99.500 ms
Loss rate: 3.37%

Run 9: Report of TCP Vegas — Data Link

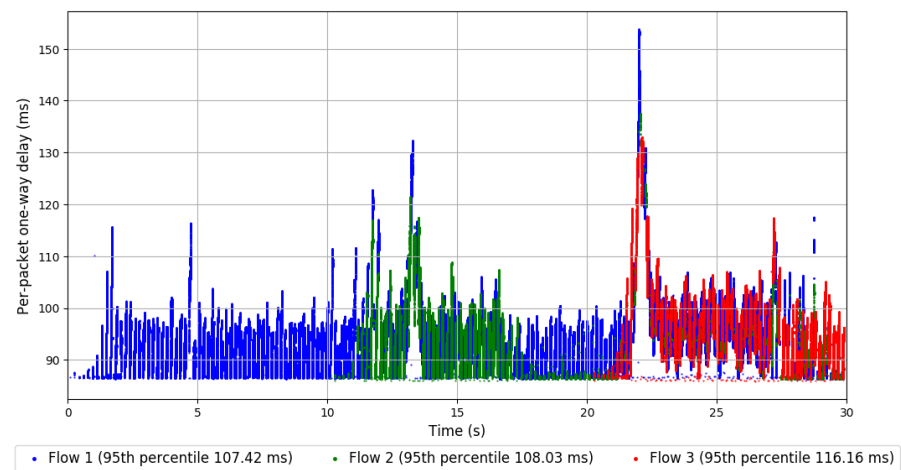
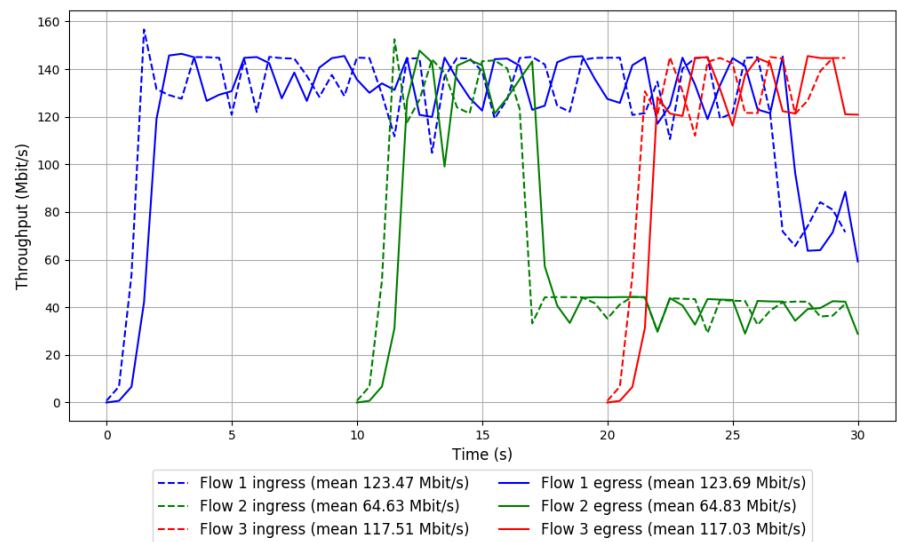


Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 07:59:44
End at: 2018-06-30 08:00:14
Local clock offset: -0.028 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-30 09:50:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.18 Mbit/s
95th percentile per-packet one-way delay: 109.438 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 123.69 Mbit/s
95th percentile per-packet one-way delay: 107.417 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 108.029 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 117.03 Mbit/s
95th percentile per-packet one-way delay: 116.155 ms
Loss rate: 2.05%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-30 04:22:59

End at: 2018-06-30 04:23:29

Local clock offset: -0.028 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-06-30 09:50:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.39 Mbit/s

95th percentile per-packet one-way delay: 237.877 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 135.21 Mbit/s

95th percentile per-packet one-way delay: 232.331 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 213.169 ms

Loss rate: 0.49%

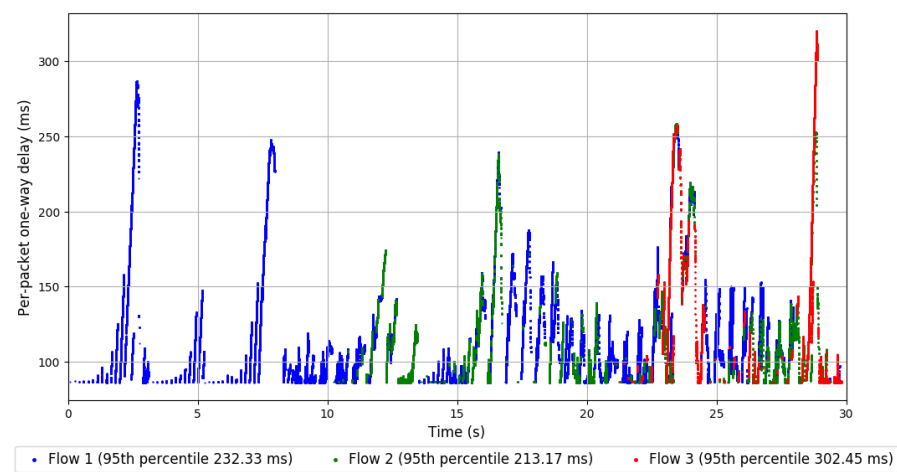
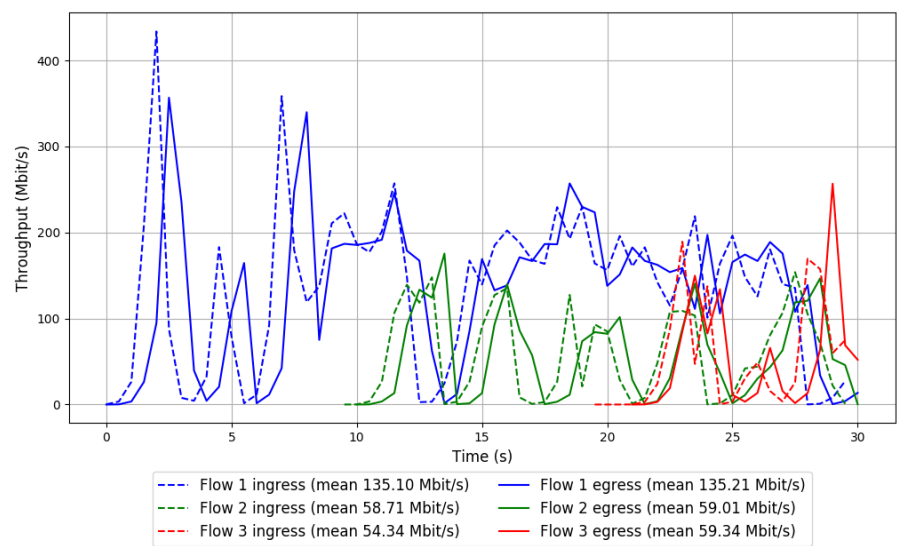
-- Flow 3:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: 302.451 ms

Loss rate: 3.57%

Run 1: Report of Verus — Data Link

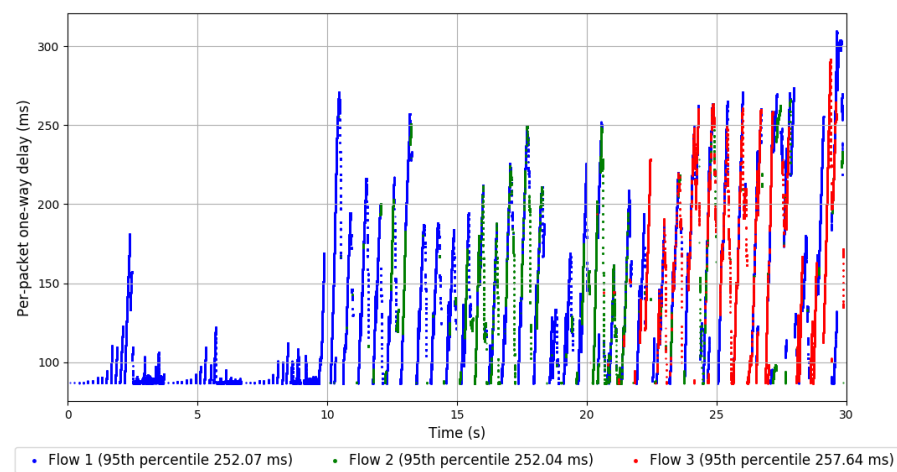
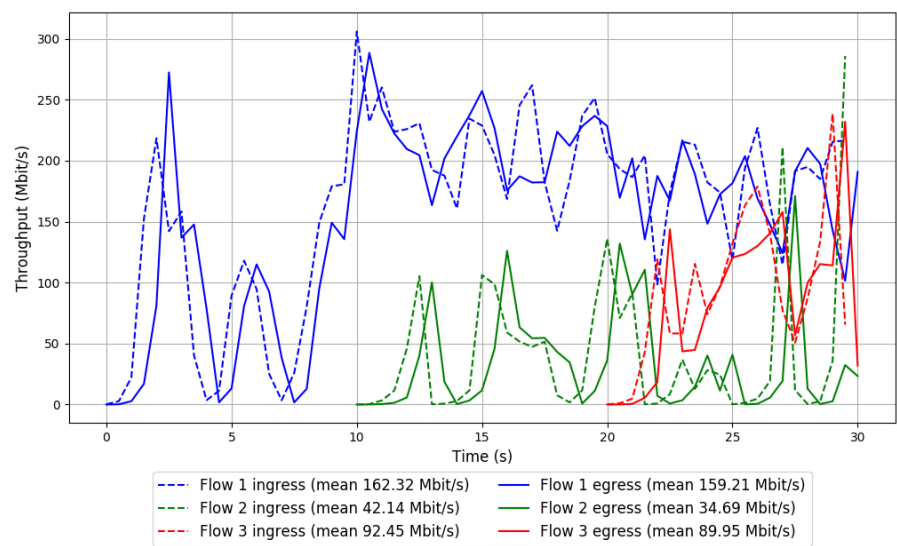


Run 2: Statistics of Verus

Start at: 2018-06-30 04:46:48
End at: 2018-06-30 04:47:18
Local clock offset: 0.371 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-30 09:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.56 Mbit/s
95th percentile per-packet one-way delay: 253.279 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 159.21 Mbit/s
95th percentile per-packet one-way delay: 252.067 ms
Loss rate: 2.57%
-- Flow 2:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 252.043 ms
Loss rate: 18.38%
-- Flow 3:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 257.644 ms
Loss rate: 4.53%

Run 2: Report of Verus — Data Link

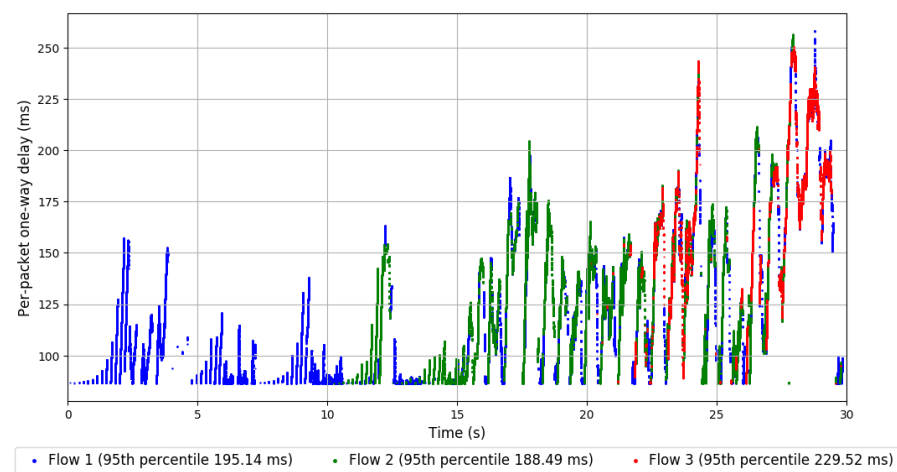
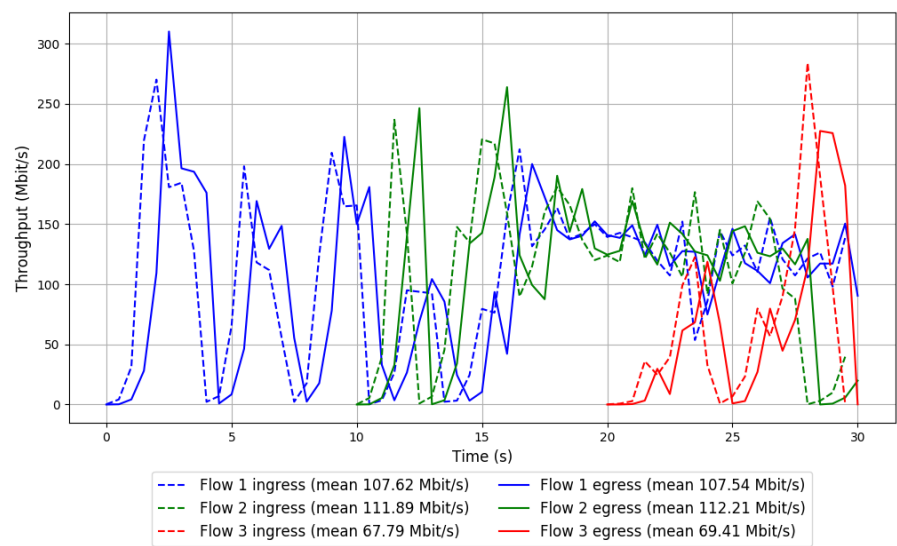


Run 3: Statistics of Verus

Start at: 2018-06-30 05:10:22
End at: 2018-06-30 05:10:52
Local clock offset: 0.169 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-30 09:52:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.11 Mbit/s
95th percentile per-packet one-way delay: 207.320 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 107.54 Mbit/s
95th percentile per-packet one-way delay: 195.139 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 112.21 Mbit/s
95th percentile per-packet one-way delay: 188.493 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 229.522 ms
Loss rate: 0.03%

Run 3: Report of Verus — Data Link

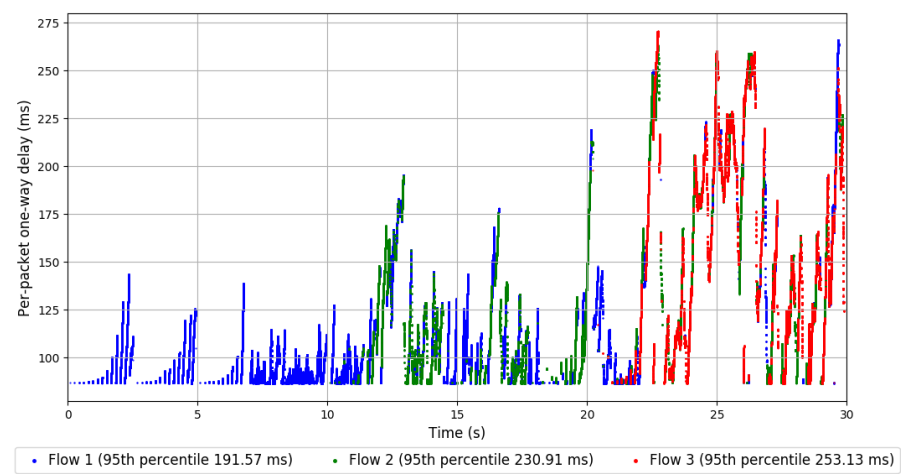
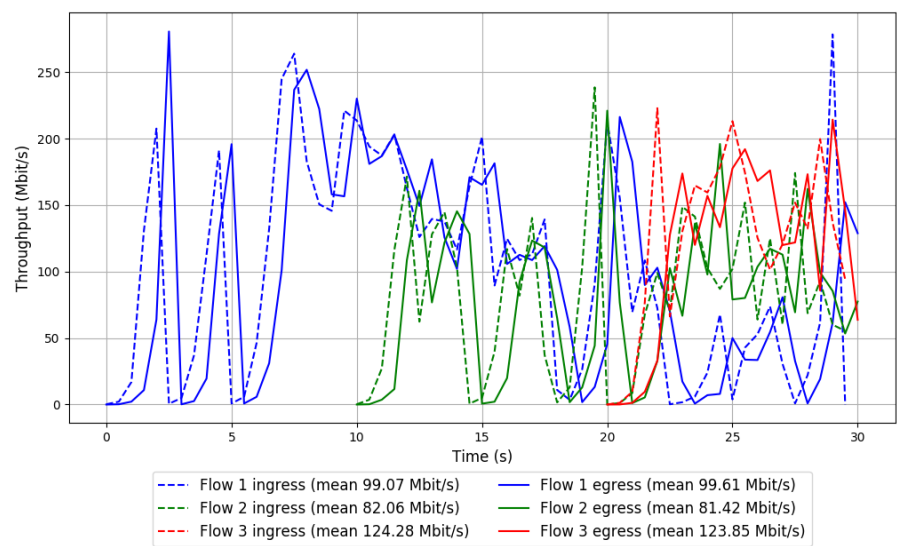


Run 4: Statistics of Verus

Start at: 2018-06-30 05:34:11
End at: 2018-06-30 05:34:41
Local clock offset: 0.039 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-30 09:52:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.74 Mbit/s
95th percentile per-packet one-way delay: 234.173 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 99.61 Mbit/s
95th percentile per-packet one-way delay: 191.571 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.42 Mbit/s
95th percentile per-packet one-way delay: 230.910 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 123.85 Mbit/s
95th percentile per-packet one-way delay: 253.126 ms
Loss rate: 2.65%

Run 4: Report of Verus — Data Link

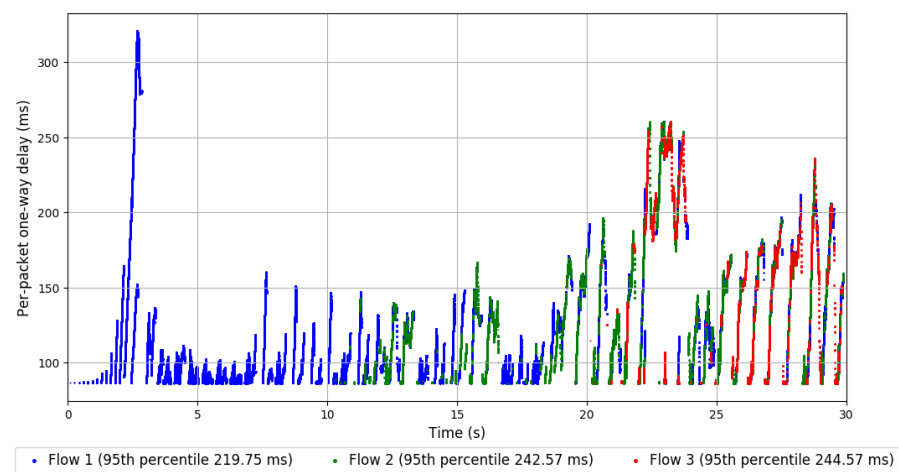
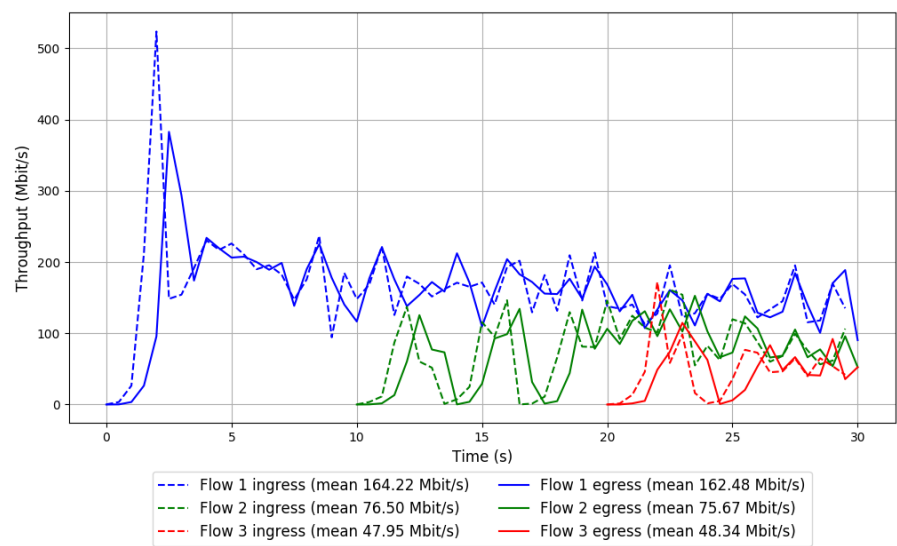


Run 5: Statistics of Verus

Start at: 2018-06-30 05:57:55
End at: 2018-06-30 05:58:25
Local clock offset: -0.084 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-30 09:53:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.29 Mbit/s
95th percentile per-packet one-way delay: 235.653 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 162.48 Mbit/s
95th percentile per-packet one-way delay: 219.754 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 242.567 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 244.566 ms
Loss rate: 1.87%

Run 5: Report of Verus — Data Link

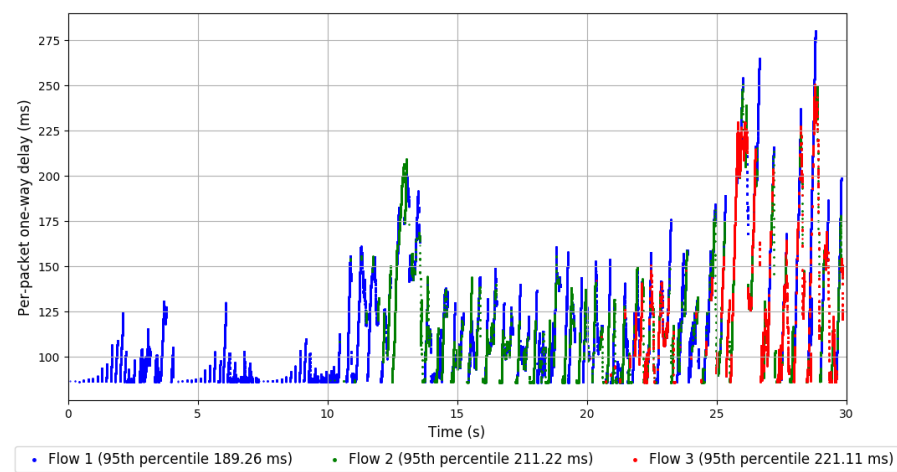
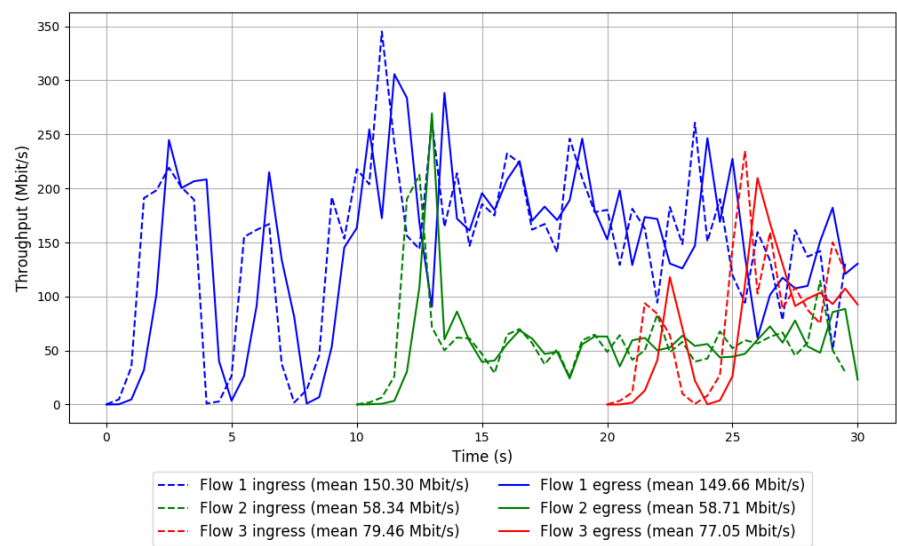


Run 6: Statistics of Verus

Start at: 2018-06-30 06:21:41
End at: 2018-06-30 06:22:11
Local clock offset: -0.087 ms
Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-30 09:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.49 Mbit/s
95th percentile per-packet one-way delay: 204.013 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 149.66 Mbit/s
95th percentile per-packet one-way delay: 189.258 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 211.224 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 221.108 ms
Loss rate: 4.86%

Run 6: Report of Verus — Data Link

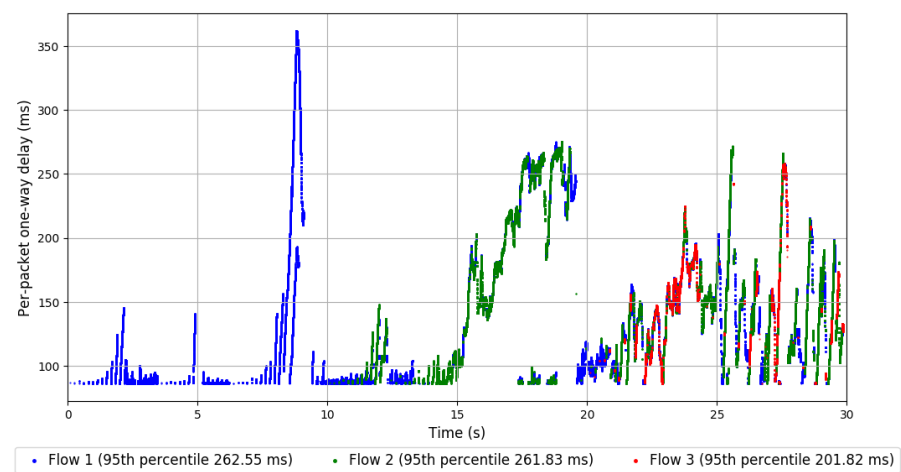
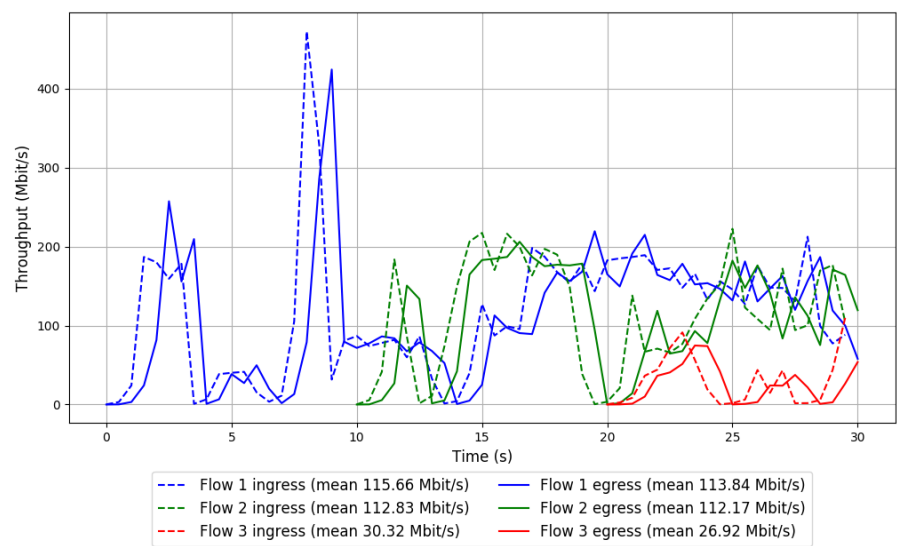


Run 7: Statistics of Verus

Start at: 2018-06-30 06:45:10
End at: 2018-06-30 06:45:40
Local clock offset: 0.066 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-30 09:54:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.90 Mbit/s
95th percentile per-packet one-way delay: 261.648 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 113.84 Mbit/s
95th percentile per-packet one-way delay: 262.552 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 112.17 Mbit/s
95th percentile per-packet one-way delay: 261.829 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 201.816 ms
Loss rate: 12.82%

Run 7: Report of Verus — Data Link

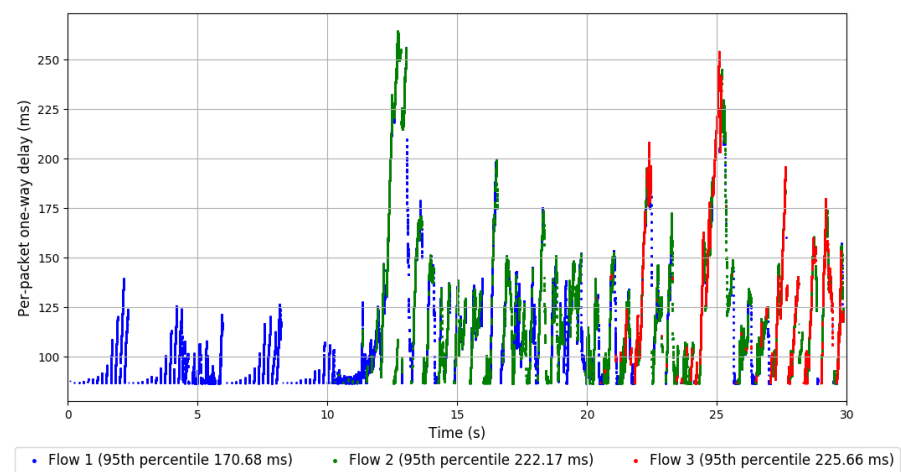
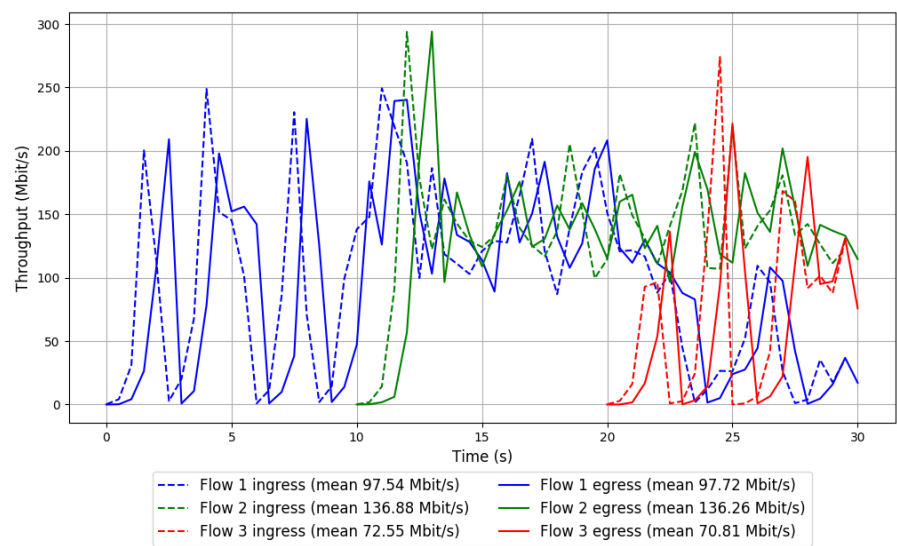


Run 8: Statistics of Verus

Start at: 2018-06-30 07:09:07
End at: 2018-06-30 07:09:37
Local clock offset: 0.173 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-30 09:54:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.37 Mbit/s
95th percentile per-packet one-way delay: 210.958 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 97.72 Mbit/s
95th percentile per-packet one-way delay: 170.678 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 136.26 Mbit/s
95th percentile per-packet one-way delay: 222.171 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 225.658 ms
Loss rate: 3.80%

Run 8: Report of Verus — Data Link

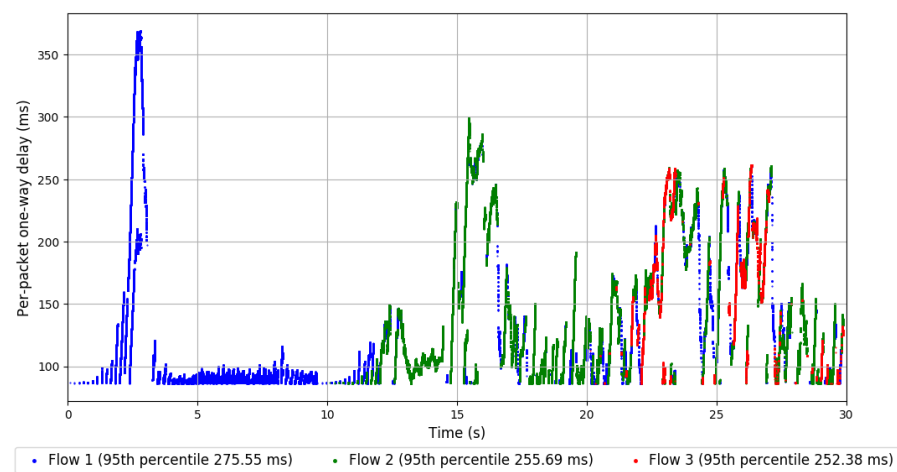
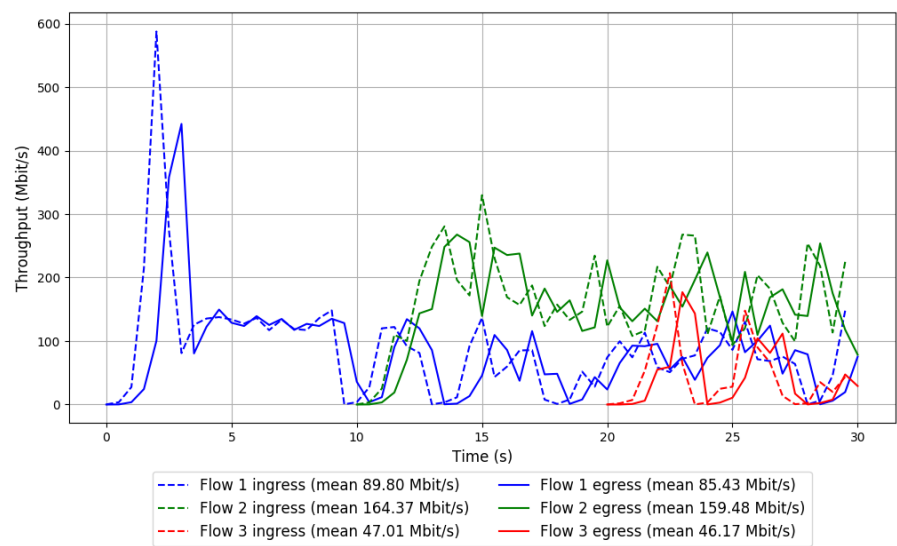


Run 9: Statistics of Verus

Start at: 2018-06-30 07:33:11
End at: 2018-06-30 07:33:41
Local clock offset: 0.099 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-06-30 09:54:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.10 Mbit/s
95th percentile per-packet one-way delay: 258.153 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 275.551 ms
Loss rate: 5.43%
-- Flow 2:
Average throughput: 159.48 Mbit/s
95th percentile per-packet one-way delay: 255.690 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 252.383 ms
Loss rate: 3.74%

Run 9: Report of Verus — Data Link

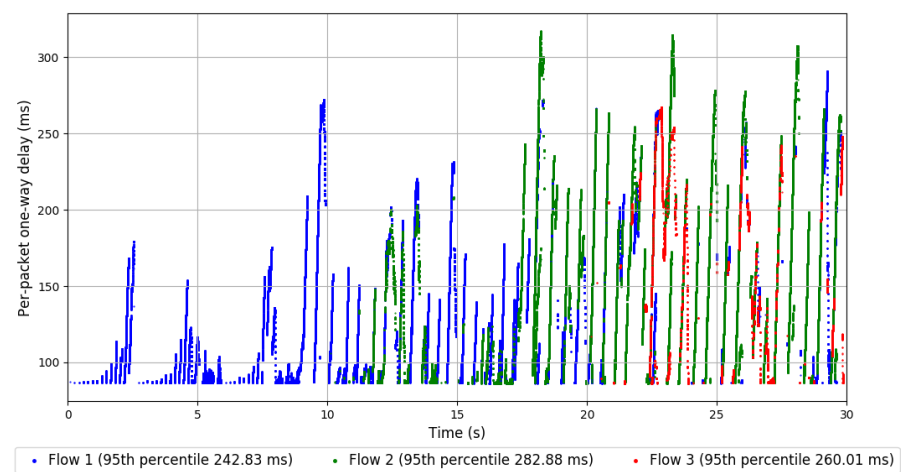
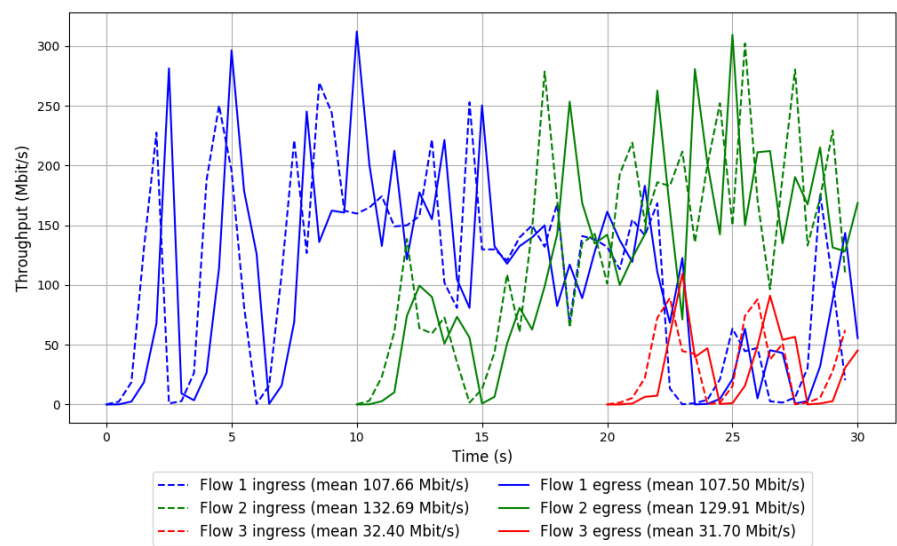


Run 10: Statistics of Verus

Start at: 2018-06-30 07:56:51
End at: 2018-06-30 07:57:21
Local clock offset: 0.178 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-30 09:55:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.21 Mbit/s
95th percentile per-packet one-way delay: 262.302 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 107.50 Mbit/s
95th percentile per-packet one-way delay: 242.833 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 282.883 ms
Loss rate: 3.55%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 260.009 ms
Loss rate: 4.16%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 04:20:03

End at: 2018-06-30 04:20:33

Local clock offset: 0.055 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-30 10:00:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 439.36 Mbit/s

95th percentile per-packet one-way delay: 96.922 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 273.36 Mbit/s

95th percentile per-packet one-way delay: 109.300 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 180.31 Mbit/s

95th percentile per-packet one-way delay: 87.790 ms

Loss rate: 0.84%

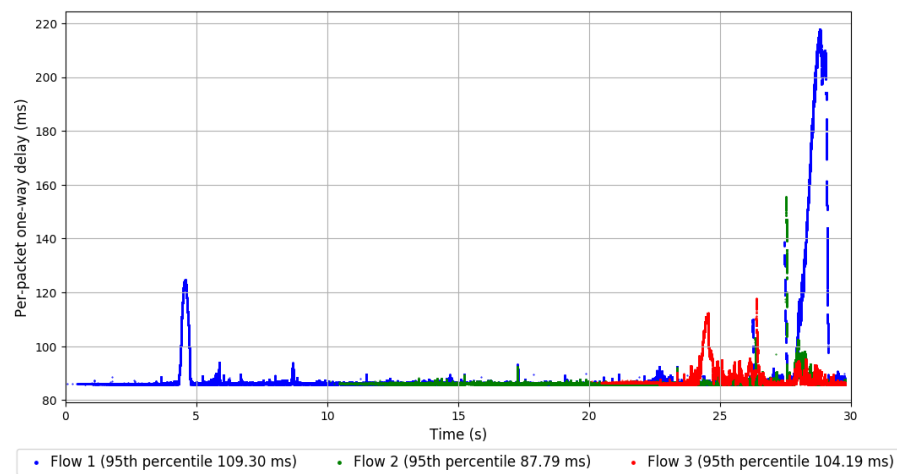
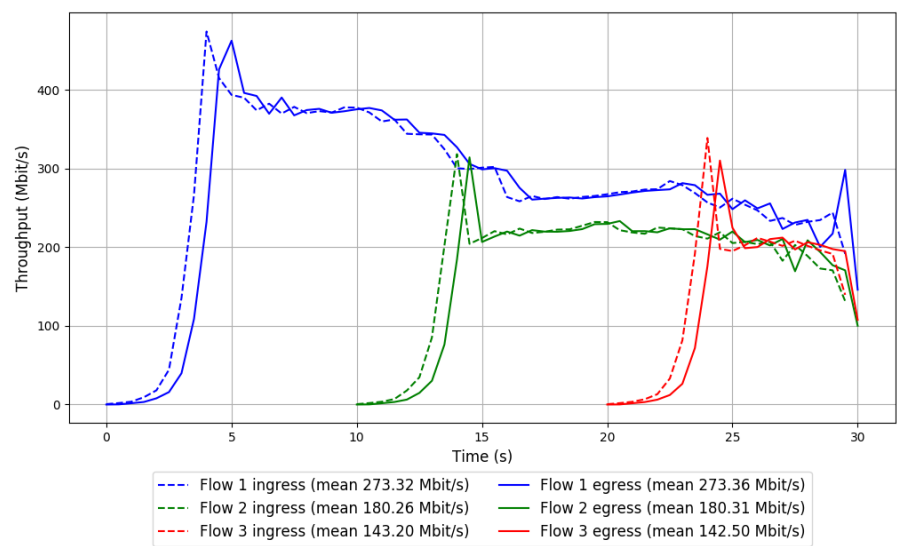
-- Flow 3:

Average throughput: 142.50 Mbit/s

95th percentile per-packet one-way delay: 104.195 ms

Loss rate: 2.25%

Run 1: Report of PCC-Vivace — Data Link

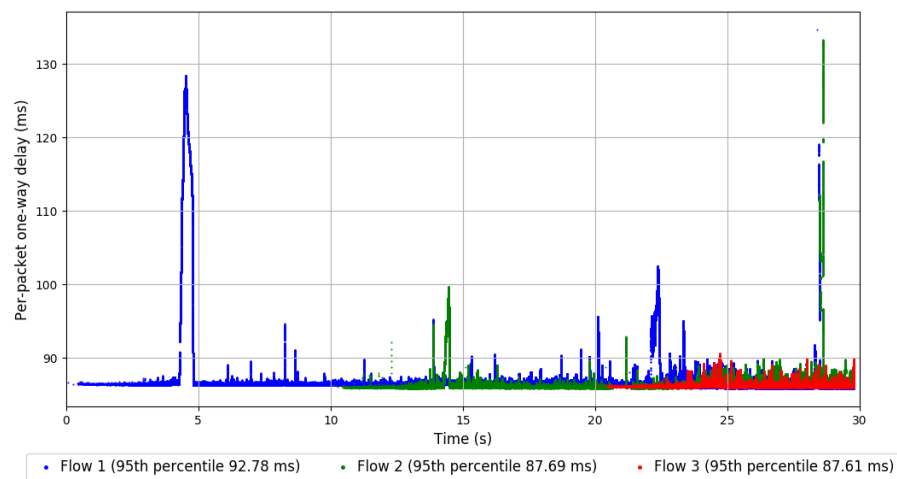
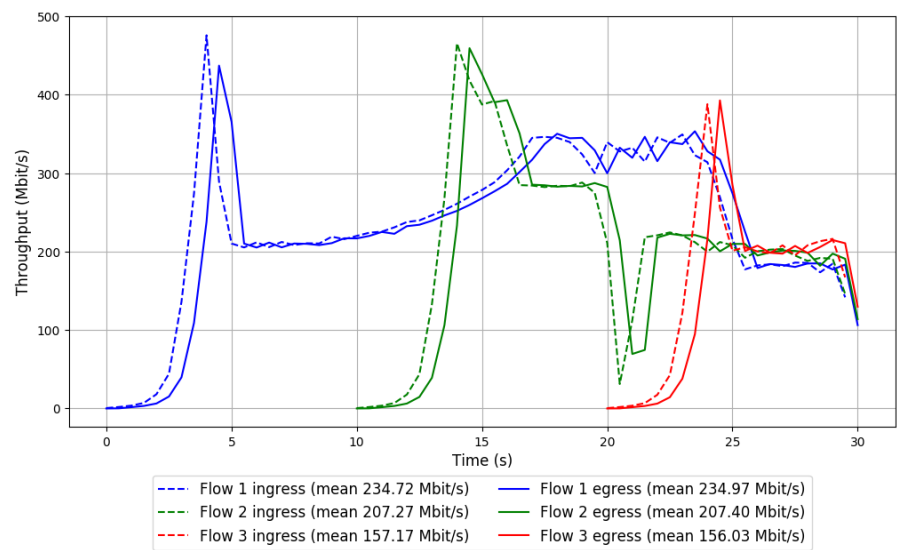


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 04:43:52
End at: 2018-06-30 04:44:22
Local clock offset: 0.116 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-30 10:00:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.34 Mbit/s
95th percentile per-packet one-way delay: 88.795 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 234.97 Mbit/s
95th percentile per-packet one-way delay: 92.784 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 207.40 Mbit/s
95th percentile per-packet one-way delay: 87.695 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 156.03 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 2.50%

Run 2: Report of PCC-Vivace — Data Link

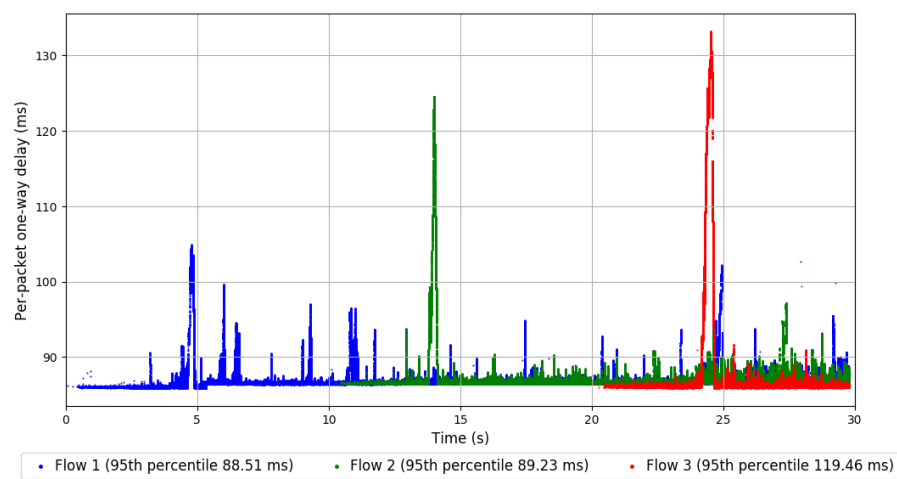
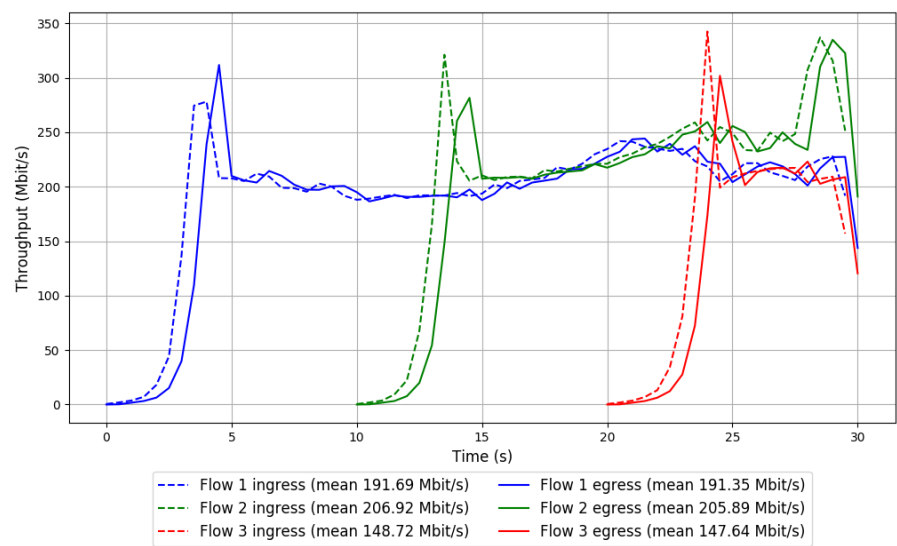


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 05:07:30
End at: 2018-06-30 05:08:00
Local clock offset: 0.121 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-06-30 10:00:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.06 Mbit/s
95th percentile per-packet one-way delay: 89.586 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 191.35 Mbit/s
95th percentile per-packet one-way delay: 88.511 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 205.89 Mbit/s
95th percentile per-packet one-way delay: 89.233 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 119.464 ms
Loss rate: 2.47%

Run 3: Report of PCC-Vivace — Data Link

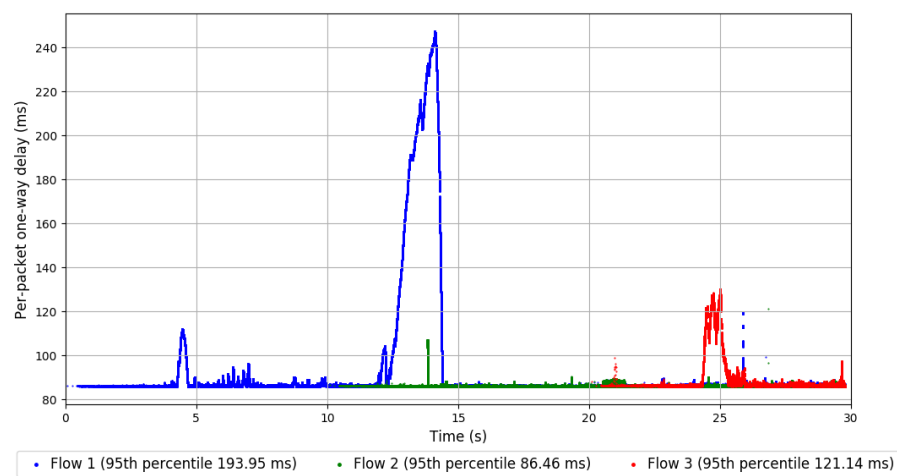
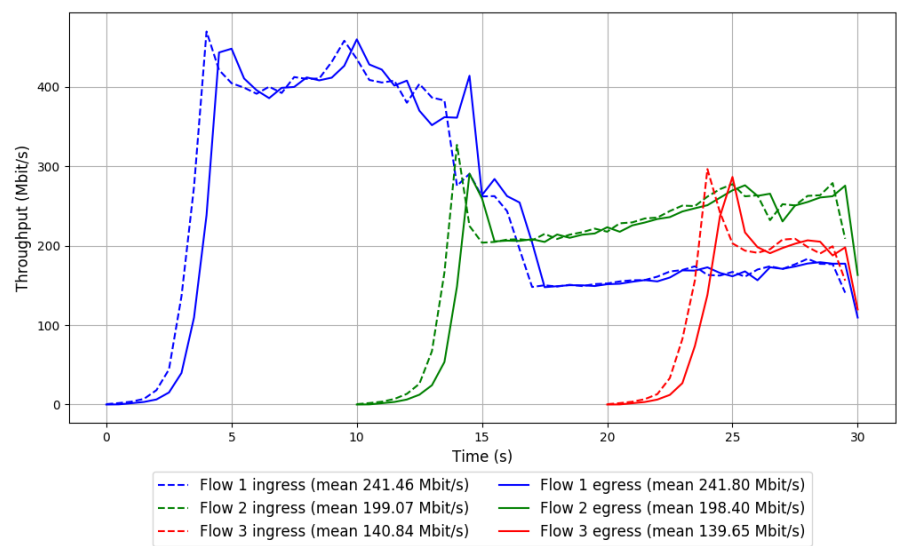


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 05:31:16
End at: 2018-06-30 05:31:46
Local clock offset: 0.065 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-30 10:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.90 Mbit/s
95th percentile per-packet one-way delay: 127.003 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 241.80 Mbit/s
95th percentile per-packet one-way delay: 193.953 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 198.40 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 139.65 Mbit/s
95th percentile per-packet one-way delay: 121.136 ms
Loss rate: 2.60%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 05:55:00

End at: 2018-06-30 05:55:30

Local clock offset: -0.021 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-30 10:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.63 Mbit/s

95th percentile per-packet one-way delay: 90.424 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 275.59 Mbit/s

95th percentile per-packet one-way delay: 92.608 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 170.99 Mbit/s

95th percentile per-packet one-way delay: 86.857 ms

Loss rate: 1.06%

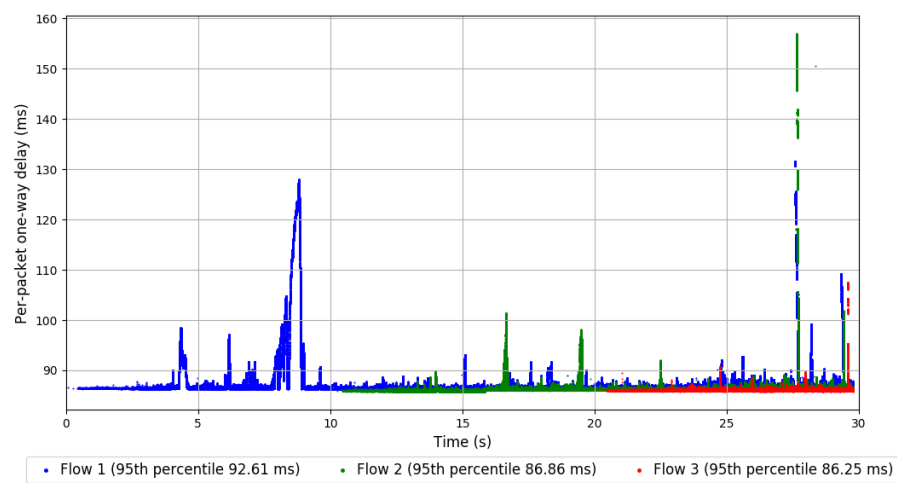
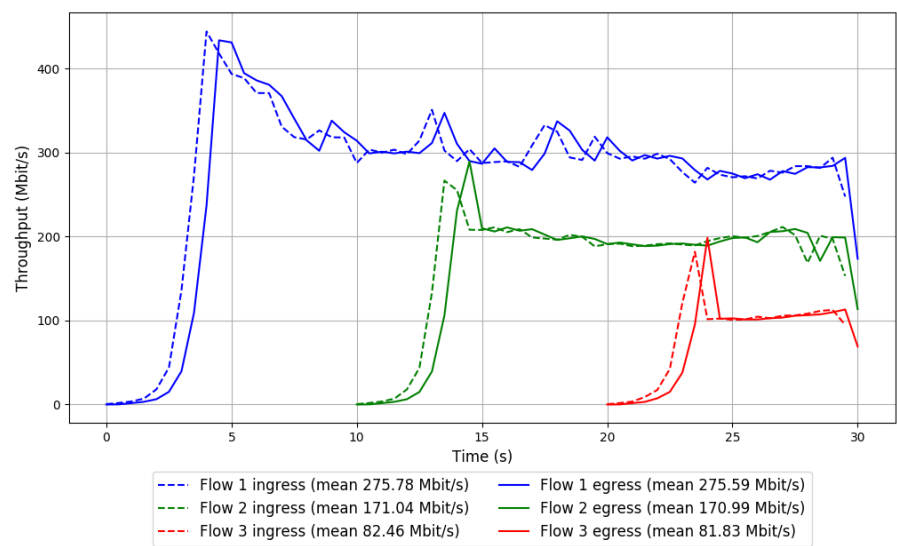
-- Flow 3:

Average throughput: 81.83 Mbit/s

95th percentile per-packet one-way delay: 86.255 ms

Loss rate: 2.80%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 06:18:48

End at: 2018-06-30 06:19:18

Local clock offset: 0.128 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-30 10:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.98 Mbit/s

95th percentile per-packet one-way delay: 86.827 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 213.26 Mbit/s

95th percentile per-packet one-way delay: 86.772 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 209.35 Mbit/s

95th percentile per-packet one-way delay: 86.993 ms

Loss rate: 1.21%

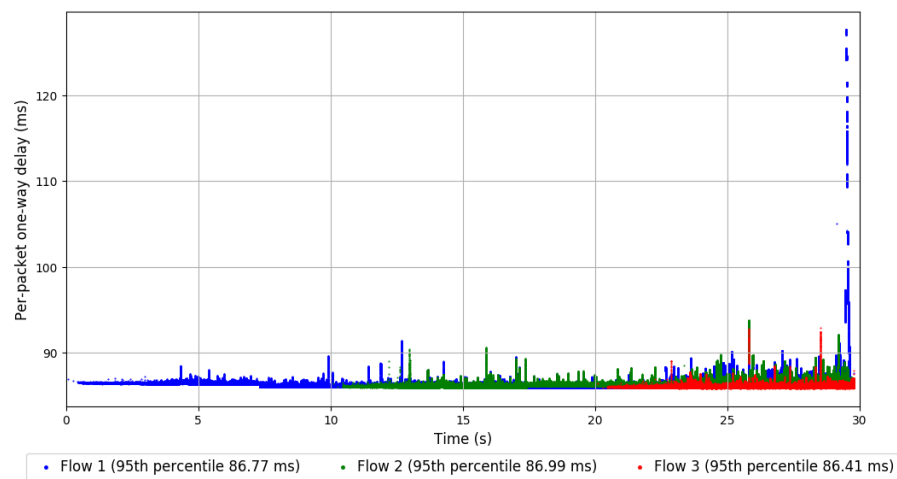
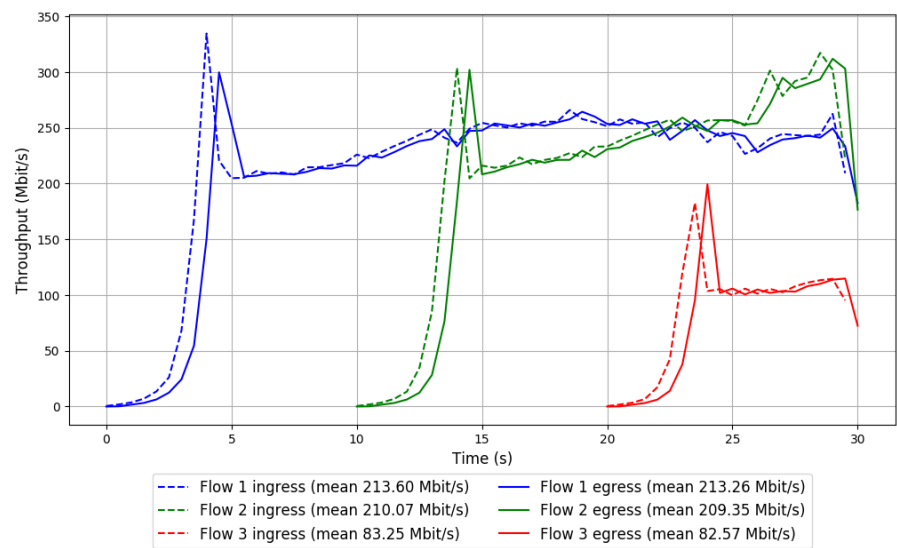
-- Flow 3:

Average throughput: 82.57 Mbit/s

95th percentile per-packet one-way delay: 86.409 ms

Loss rate: 2.54%

Run 6: Report of PCC-Vivace — Data Link

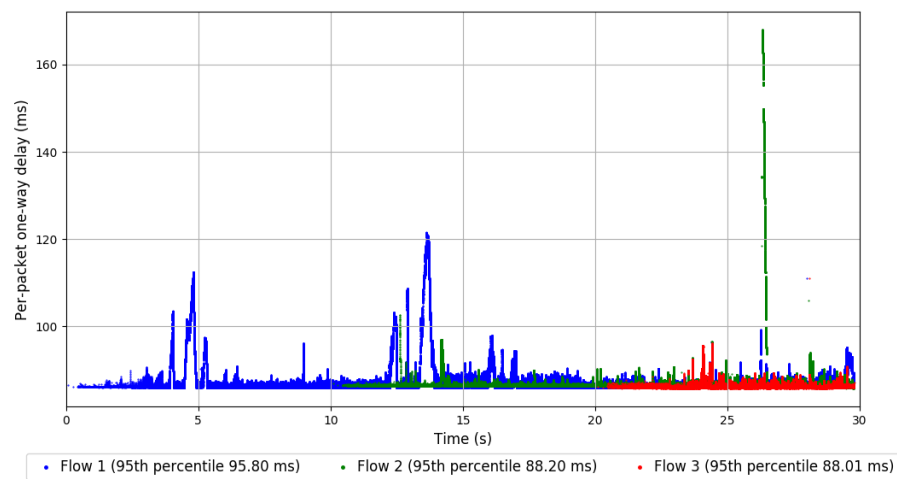
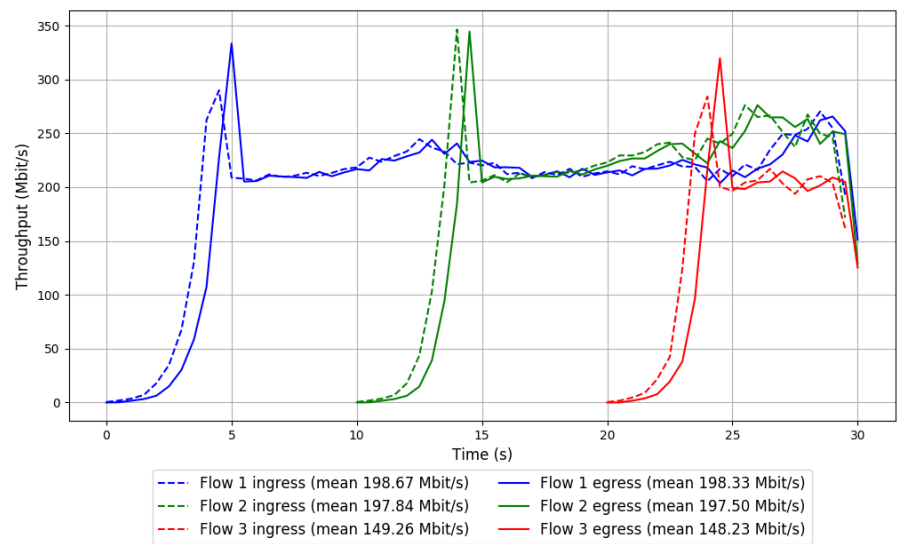


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 06:42:17
End at: 2018-06-30 06:42:47
Local clock offset: 0.001 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-30 10:02:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.57 Mbit/s
95th percentile per-packet one-way delay: 91.695 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 198.33 Mbit/s
95th percentile per-packet one-way delay: 95.803 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 197.50 Mbit/s
95th percentile per-packet one-way delay: 88.199 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 148.23 Mbit/s
95th percentile per-packet one-way delay: 88.011 ms
Loss rate: 2.45%

Run 7: Report of PCC-Vivace — Data Link

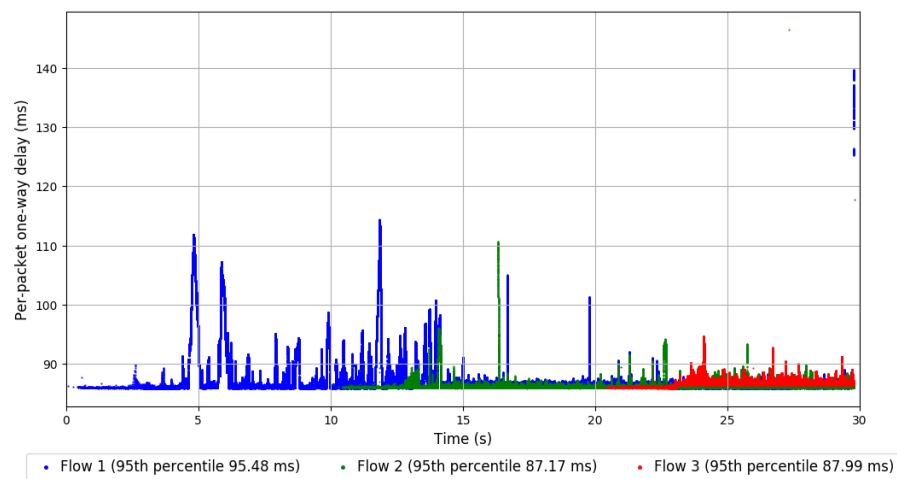
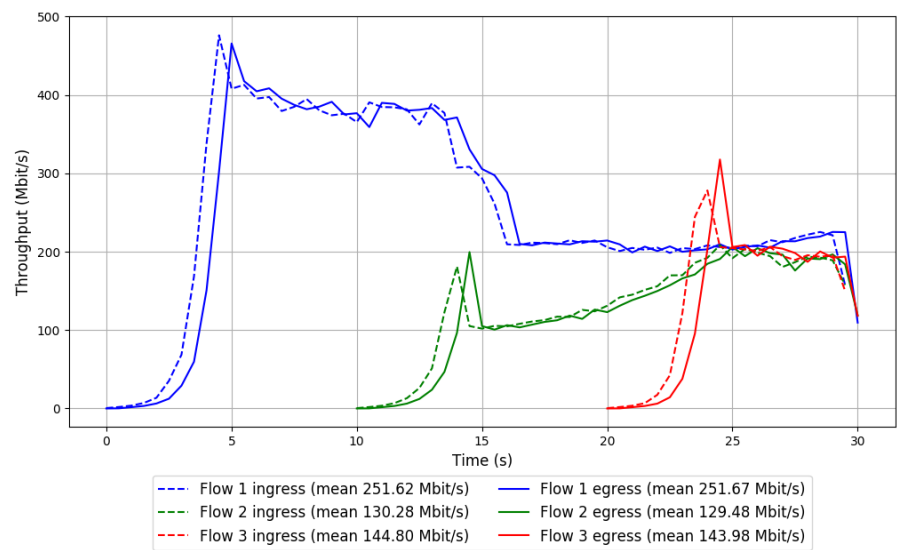


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 07:06:13
End at: 2018-06-30 07:06:43
Local clock offset: 0.182 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-30 10:03:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.35 Mbit/s
95th percentile per-packet one-way delay: 93.173 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 251.67 Mbit/s
95th percentile per-packet one-way delay: 95.482 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 129.48 Mbit/s
95th percentile per-packet one-way delay: 87.172 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 143.98 Mbit/s
95th percentile per-packet one-way delay: 87.986 ms
Loss rate: 2.31%

Run 8: Report of PCC-Vivace — Data Link

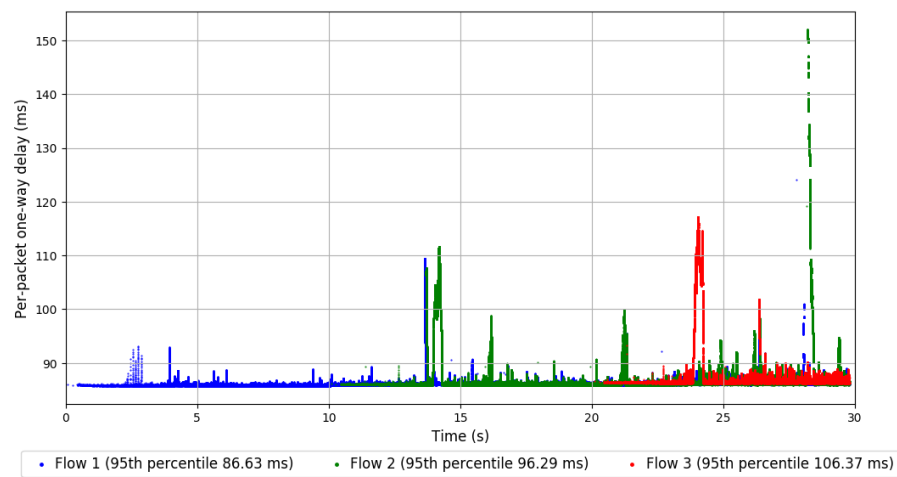
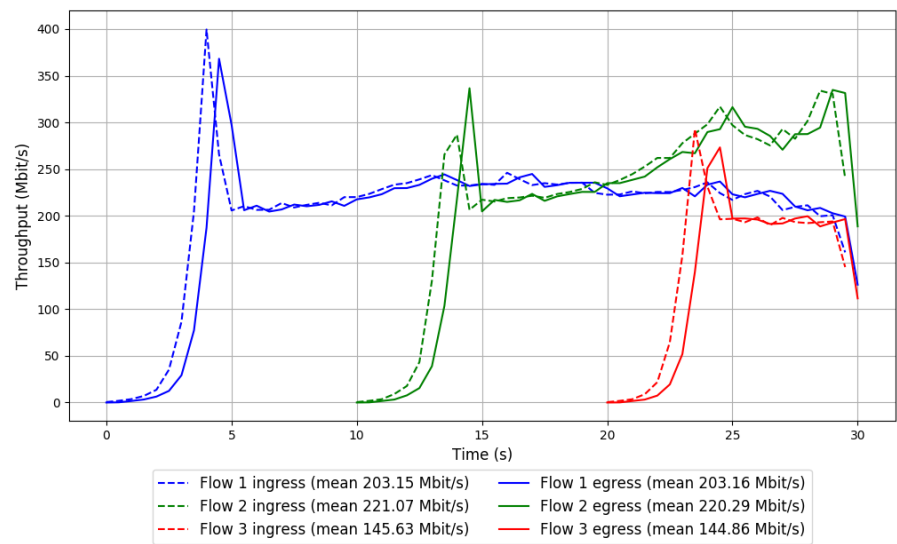


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 07:30:16
End at: 2018-06-30 07:30:46
Local clock offset: -0.033 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-30 10:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.44 Mbit/s
95th percentile per-packet one-way delay: 88.872 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 203.16 Mbit/s
95th percentile per-packet one-way delay: 86.627 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 220.29 Mbit/s
95th percentile per-packet one-way delay: 96.286 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 144.86 Mbit/s
95th percentile per-packet one-way delay: 106.373 ms
Loss rate: 2.27%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 07:53:56

End at: 2018-06-30 07:54:26

Local clock offset: 0.275 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 10:04:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.12 Mbit/s

95th percentile per-packet one-way delay: 87.723 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 218.52 Mbit/s

95th percentile per-packet one-way delay: 87.126 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 185.21 Mbit/s

95th percentile per-packet one-way delay: 88.221 ms

Loss rate: 1.13%

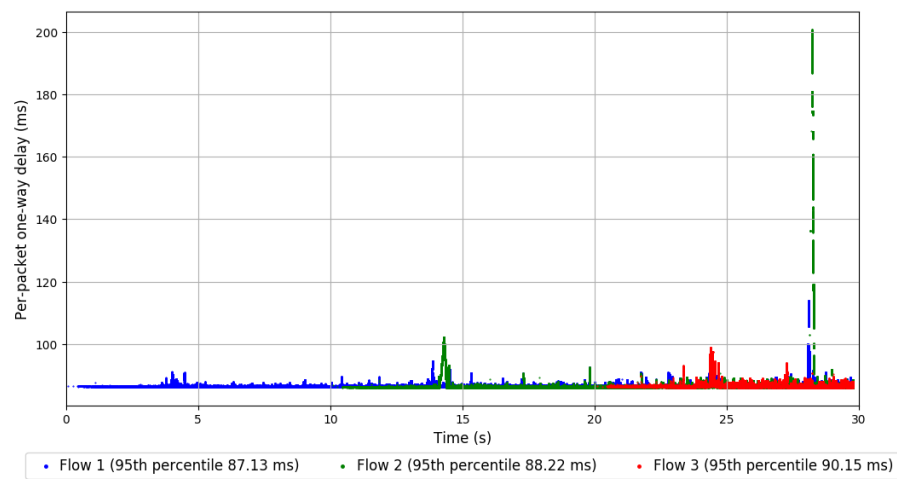
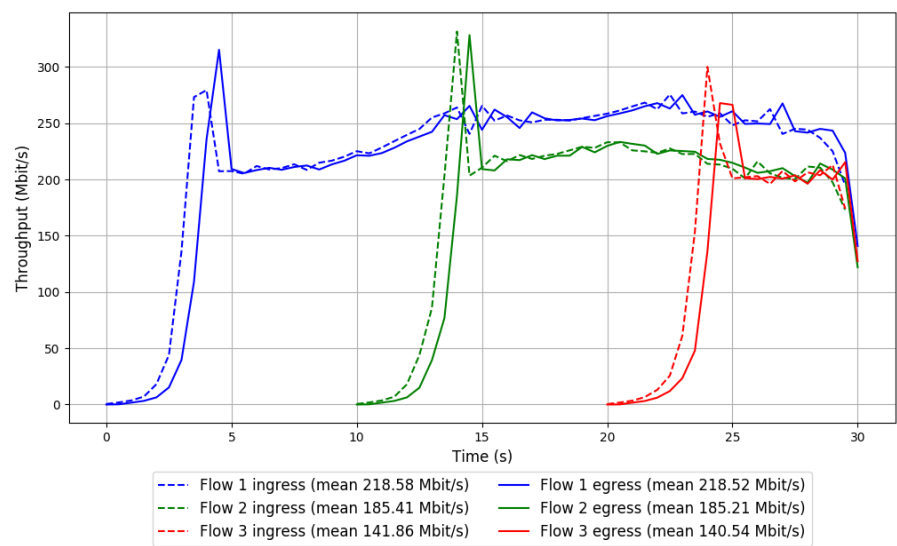
-- Flow 3:

Average throughput: 140.54 Mbit/s

95th percentile per-packet one-way delay: 90.154 ms

Loss rate: 2.95%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-30 04:18:52

End at: 2018-06-30 04:19:22

Local clock offset: -0.044 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-30 10:04:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 86.571 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 86.525 ms

Loss rate: 1.15%

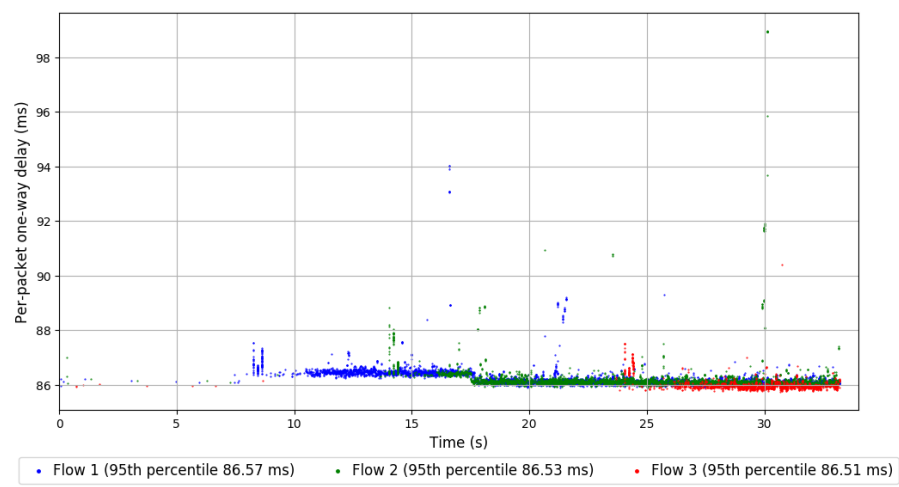
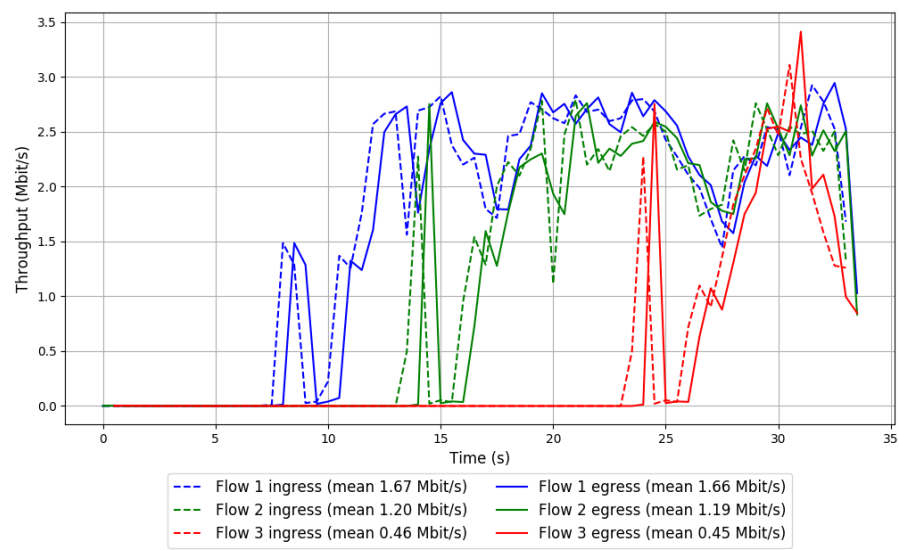
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.512 ms

Loss rate: 2.51%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-30 04:42:41

End at: 2018-06-30 04:43:11

Local clock offset: 0.275 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-06-30 10:04:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 86.756 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.738 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 86.850 ms

Loss rate: 1.08%

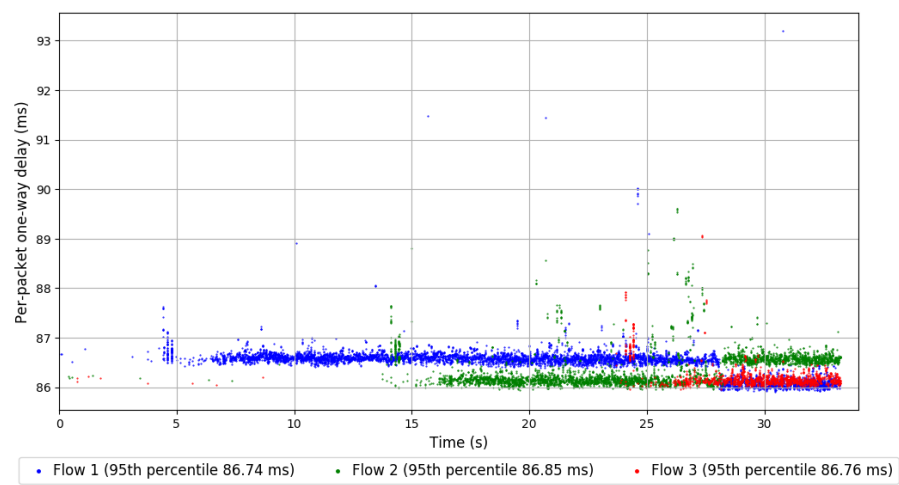
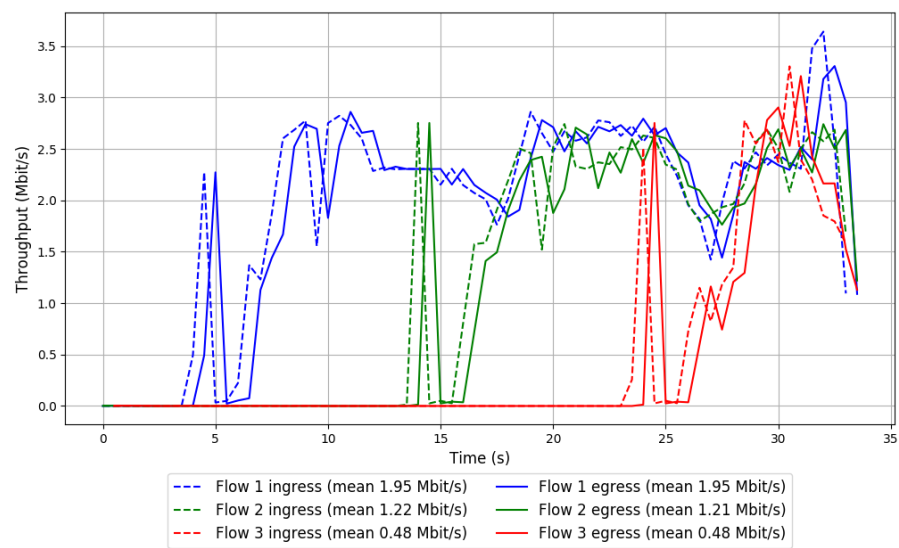
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 86.761 ms

Loss rate: 2.43%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-30 05:06:19

End at: 2018-06-30 05:06:49

Local clock offset: 0.214 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-30 10:04:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 86.792 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 86.816 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 86.384 ms

Loss rate: 1.03%

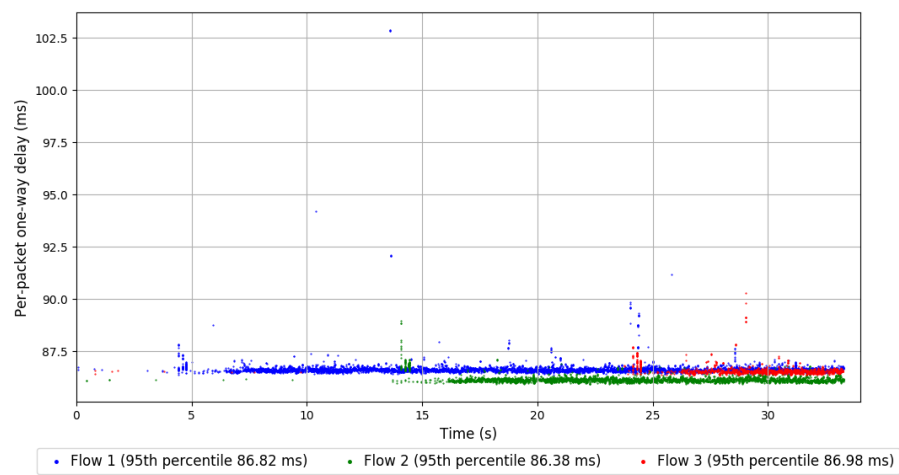
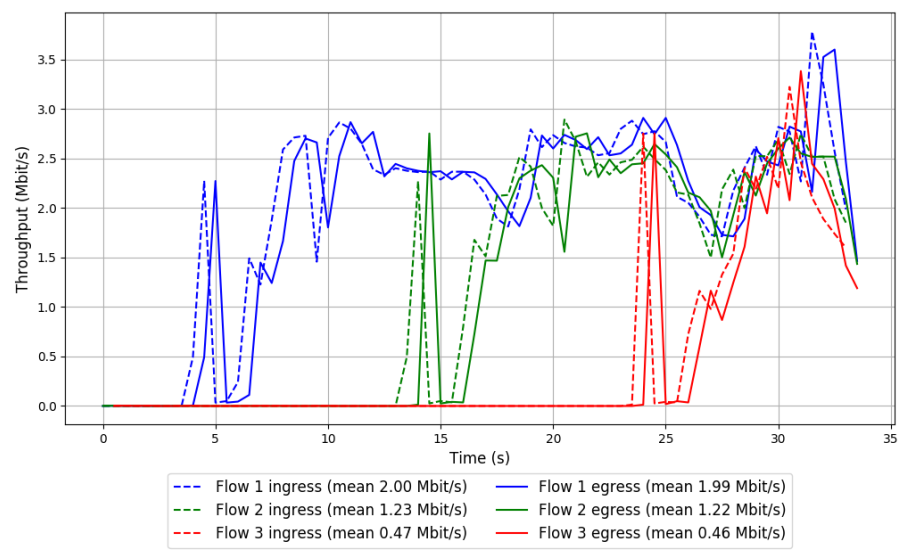
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.980 ms

Loss rate: 2.59%

Run 3: Report of WebRTC media — Data Link

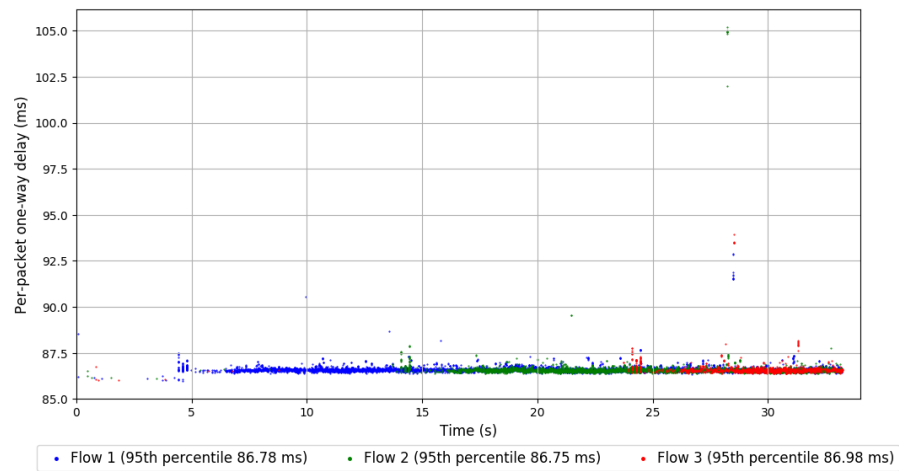
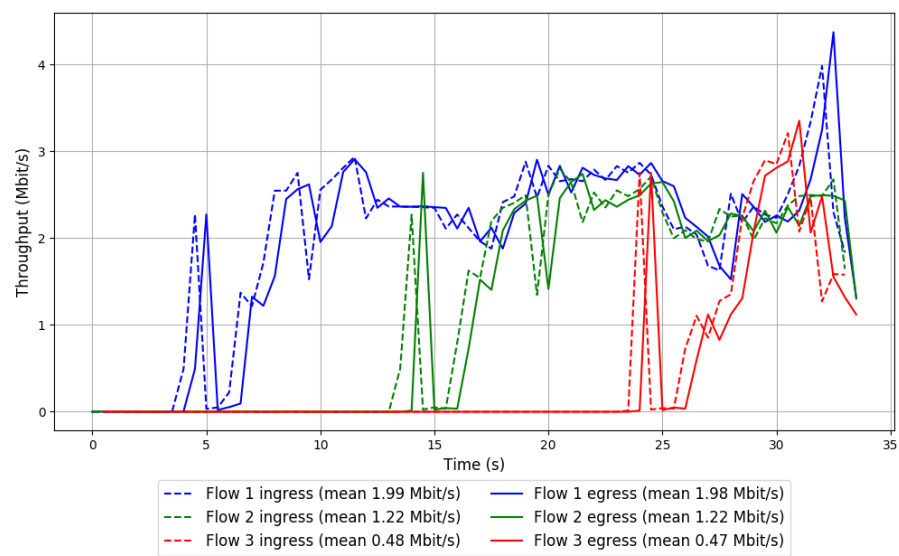


Run 4: Statistics of WebRTC media

Start at: 2018-06-30 05:30:04
End at: 2018-06-30 05:30:34
Local clock offset: 0.105 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-30 10:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.780 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.783 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.981 ms
Loss rate: 2.55%

Run 4: Report of WebRTC media — Data Link

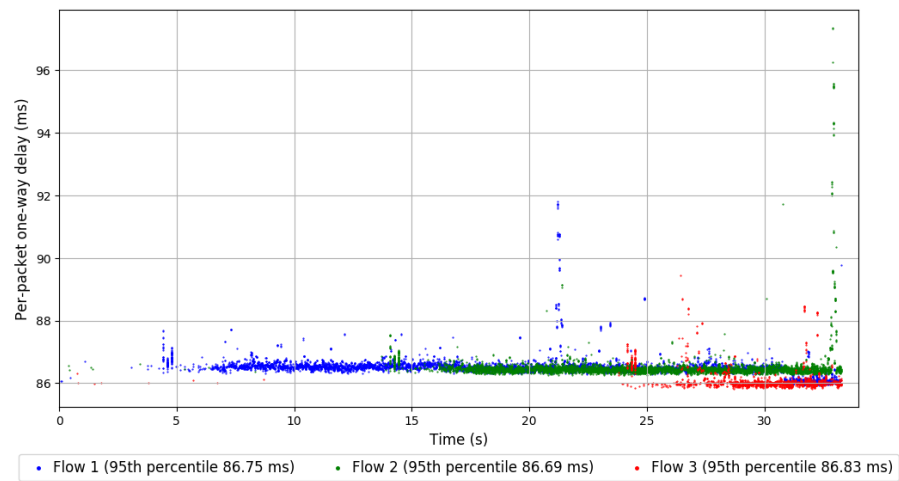
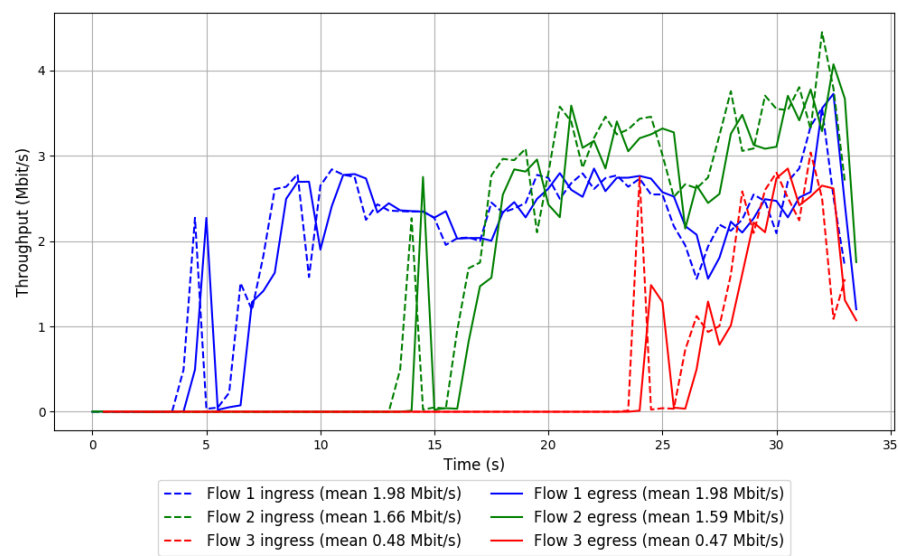


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 05:53:49
End at: 2018-06-30 05:54:19
Local clock offset: 0.076 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-30 10:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 86.738 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 4.64%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.832 ms
Loss rate: 2.26%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-30 06:17:37

End at: 2018-06-30 06:18:07

Local clock offset: 0.061 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-30 10:04:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 86.683 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 86.701 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.671 ms

Loss rate: 1.06%

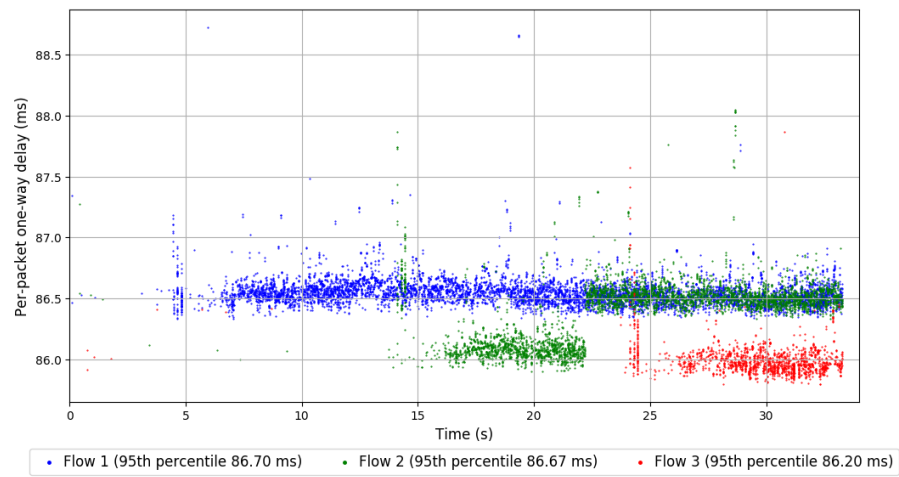
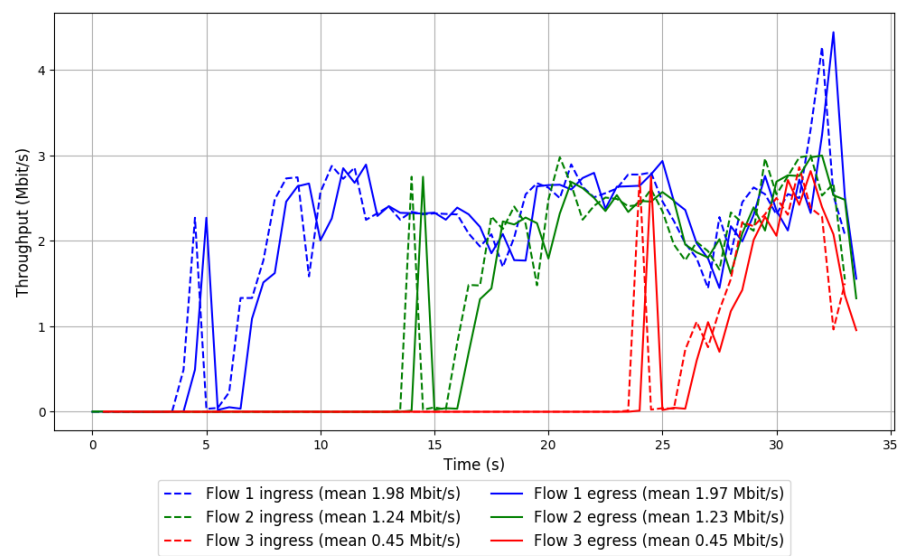
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.196 ms

Loss rate: 2.49%

Run 6: Report of WebRTC media — Data Link

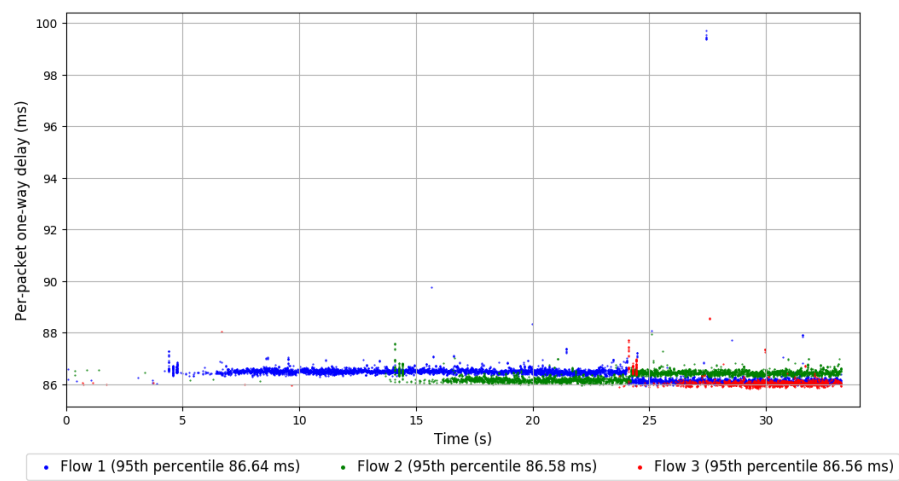
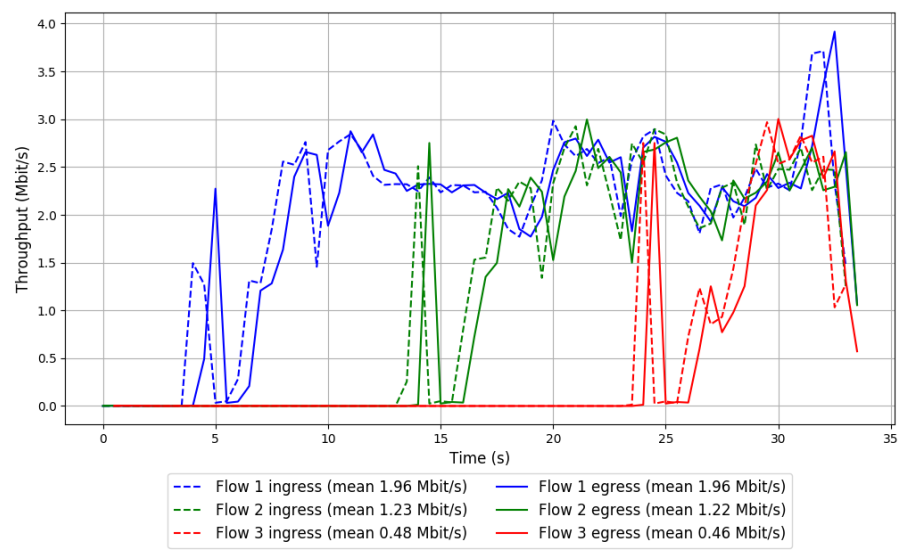


Run 7: Statistics of WebRTC media

Start at: 2018-06-30 06:41:05
End at: 2018-06-30 06:41:35
Local clock offset: -0.091 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-30 10:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 86.620 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.636 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.580 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 2.80%

Run 7: Report of WebRTC media — Data Link

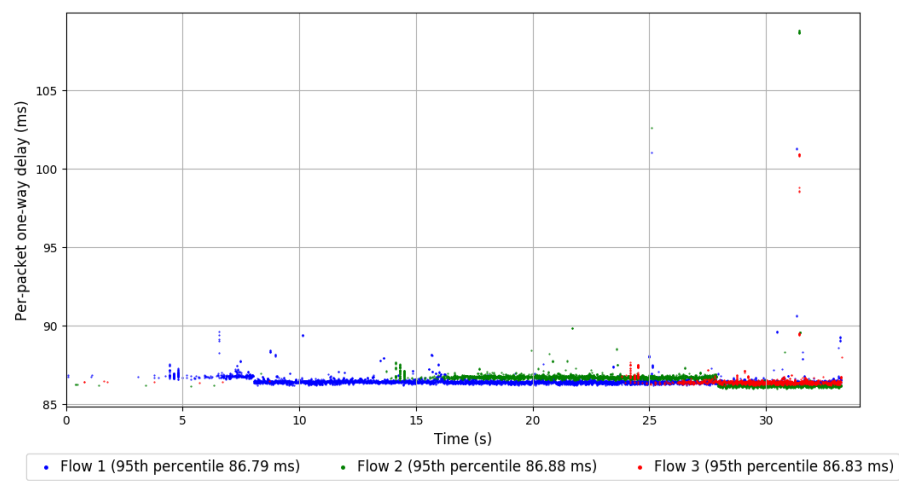
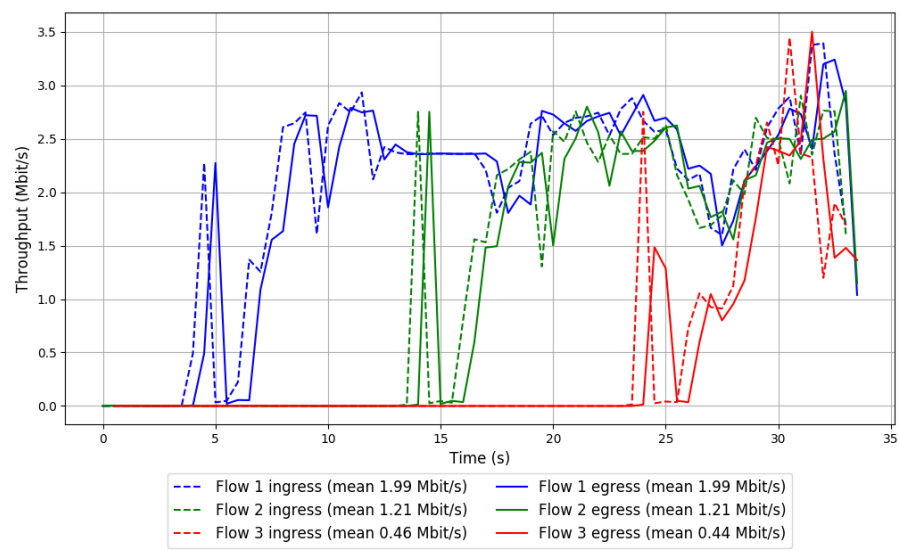


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 07:05:01
End at: 2018-06-30 07:05:31
Local clock offset: 0.262 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-30 10:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.791 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 3.07%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-30 07:29:04

End at: 2018-06-30 07:29:34

Local clock offset: 0.252 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-30 10:04:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 86.806 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 86.384 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.546 ms

Loss rate: 1.02%

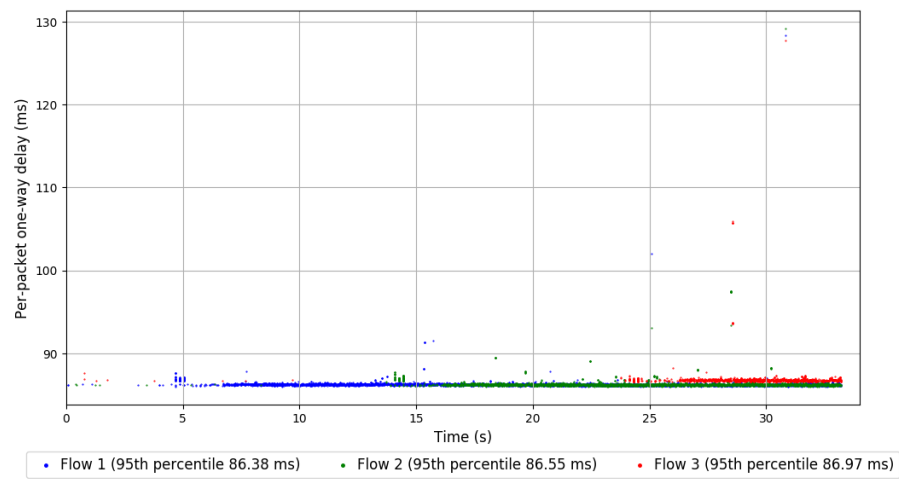
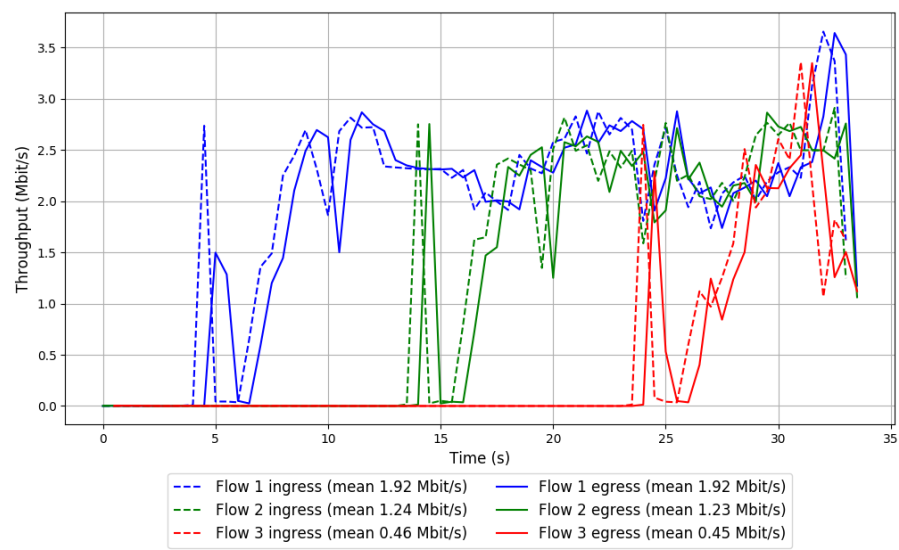
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.966 ms

Loss rate: 3.32%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 07:52:44
End at: 2018-06-30 07:53:14
Local clock offset: 0.085 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-06-30 10:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 86.857 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.886 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.400 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.736 ms
Loss rate: 2.98%

Run 10: Report of WebRTC media — Data Link

