

Pantheon Report

Generated at 2018-07-10 07:33:00 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).

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.

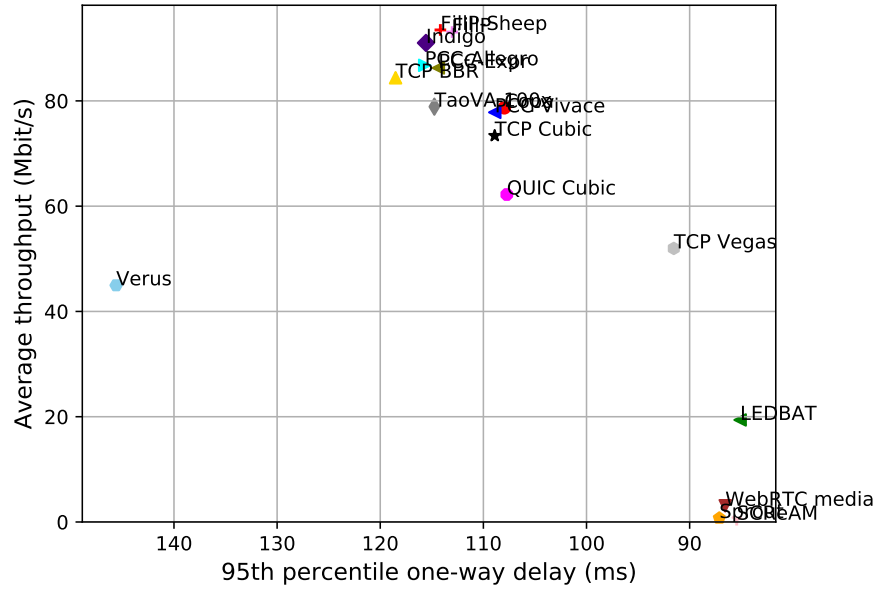
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

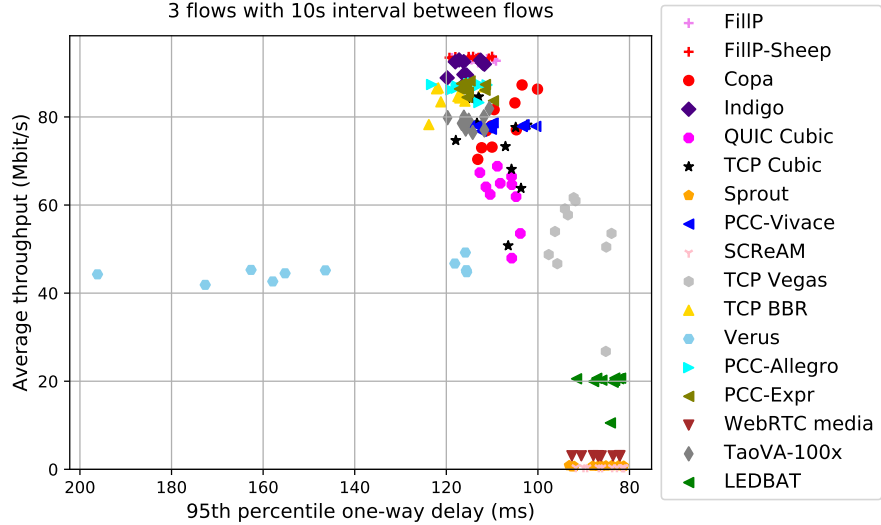
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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 AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 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	53.85	34.24	23.44	116.57	117.66	117.72	9.10	13.07	14.69
Copa	10	57.16	24.80	15.06	109.18	104.62	104.07	2.02	0.83	0.73
TCP Cubic	10	40.84	32.92	31.94	105.65	111.56	108.62	0.55	1.03	1.41
FillP	10	57.15	40.36	27.37	111.28	111.05	112.18	17.65	21.06	21.20
FillP-Sheep	10	59.46	36.09	30.28	112.83	112.25	113.27	15.69	26.97	28.73
Indigo	10	62.19	29.36	29.17	113.76	115.13	114.81	8.28	21.97	46.50
LEDBAT	10	12.30	8.66	4.01	83.54	84.96	84.27	0.02	0.03	0.04
PCC-Allegro	10	77.00	10.81	7.81	115.67	114.48	116.08	2.80	4.26	6.66
PCC-Expr	10	76.24	10.93	8.33	114.35	112.92	236.52	3.73	3.53	3.93
QUIC Cubic	10	42.82	20.05	18.62	107.49	106.38	106.17	1.07	1.02	1.01
SCReAM	10	0.22	0.22	0.22	83.62	83.90	84.10	0.00	0.02	0.00
Sprout	10	0.32	0.40	0.50	85.45	85.48	85.61	0.00	0.00	0.00
TaoVA-100x	10	47.86	37.03	19.59	113.72	114.21	114.81	4.20	8.30	11.01
TCP Vegas	10	23.04	27.16	32.63	91.62	93.31	89.93	0.61	0.66	0.98
Verus	10	25.64	21.59	17.06	133.84	128.44	136.25	37.44	34.51	38.81
PCC-Vivace	10	66.60	13.17	7.46	108.20	108.89	107.24	0.18	0.34	0.32
WebRTC media	10	1.76	1.05	0.28	86.07	85.04	86.87	0.01	0.01	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 03:52:21

End at: 2018-07-10 03:52:51

Local clock offset: -0.615 ms

Remote clock offset: 8.708 ms

Below is generated by plot.py at 2018-07-10 07:12:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.28 Mbit/s

95th percentile per-packet one-way delay: 123.813 ms

Loss rate: 10.85%

-- Flow 1:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 118.170 ms

Loss rate: 9.69%

-- Flow 2:

Average throughput: 31.53 Mbit/s

95th percentile per-packet one-way delay: 124.005 ms

Loss rate: 12.84%

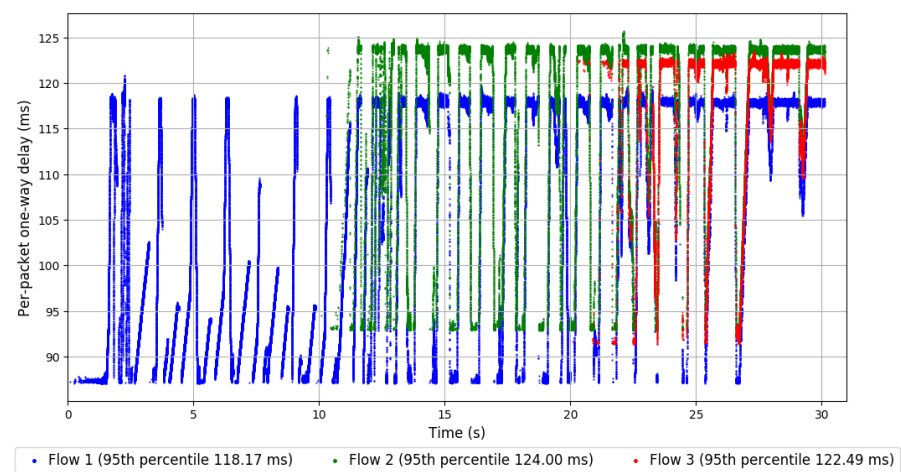
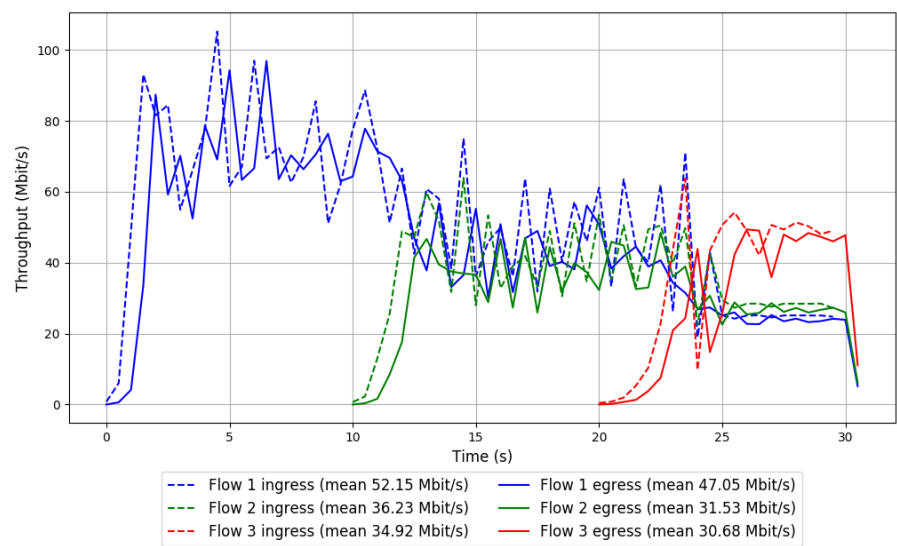
-- Flow 3:

Average throughput: 30.68 Mbit/s

95th percentile per-packet one-way delay: 122.488 ms

Loss rate: 11.88%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-10 04:13:31

End at: 2018-07-10 04:14:01

Local clock offset: -0.599 ms

Remote clock offset: 7.684 ms

Below is generated by plot.py at 2018-07-10 07:12:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.09 Mbit/s

95th percentile per-packet one-way delay: 116.950 ms

Loss rate: 10.39%

-- Flow 1:

Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 115.736 ms

Loss rate: 8.86%

-- Flow 2:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 117.045 ms

Loss rate: 11.47%

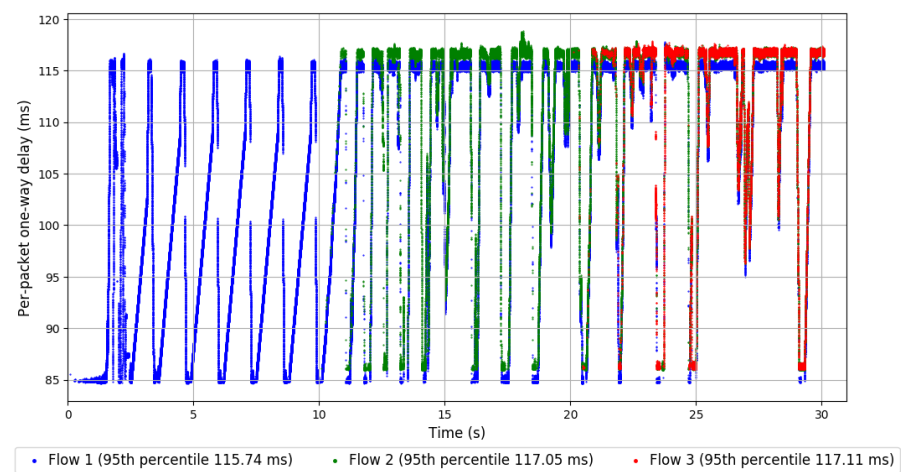
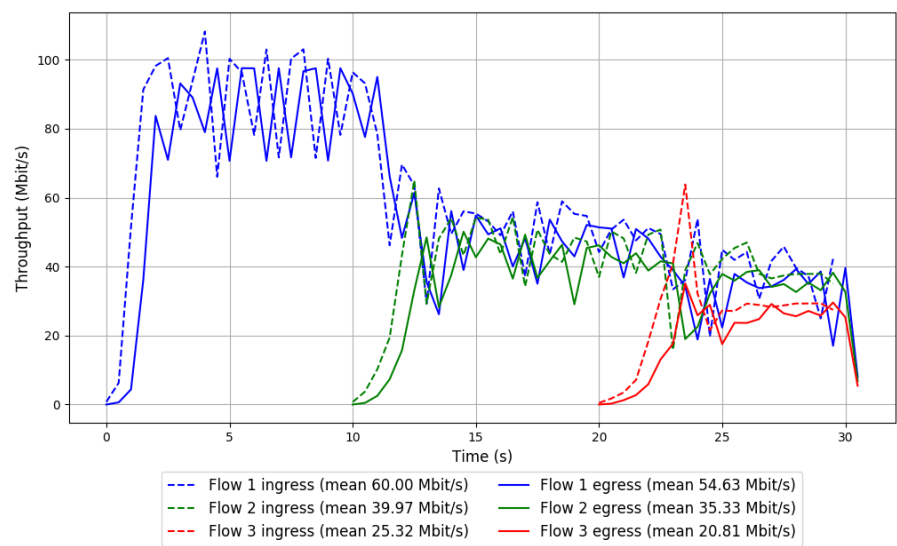
-- Flow 3:

Average throughput: 20.81 Mbit/s

95th percentile per-packet one-way delay: 117.110 ms

Loss rate: 17.84%

Run 2: Report of TCP BBR — Data Link

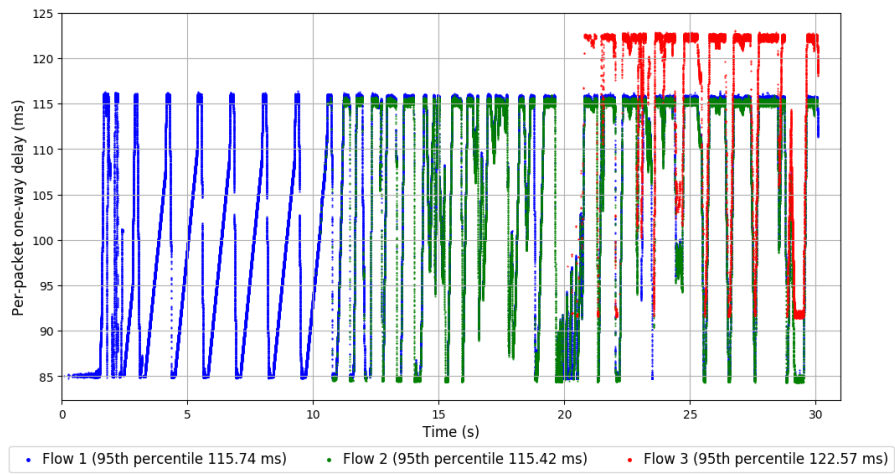
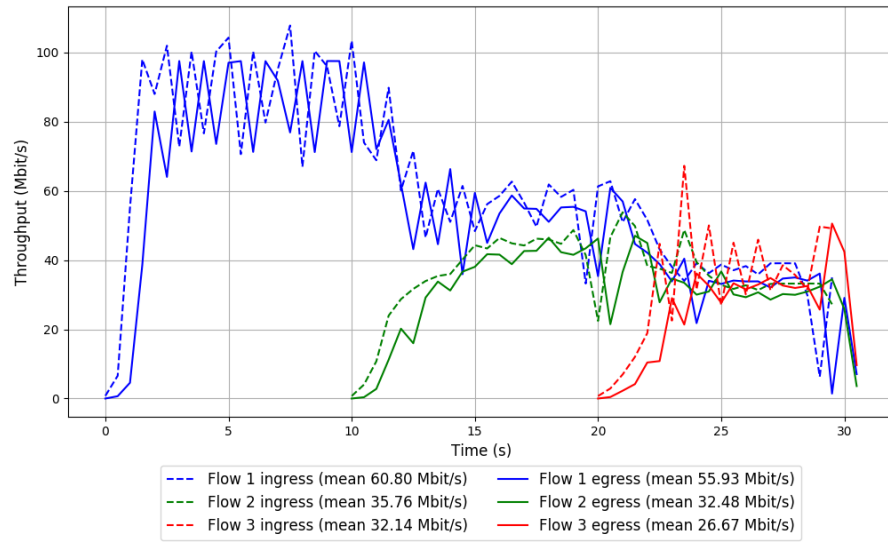


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 04:34:41
End at: 2018-07-10 04:35:11
Local clock offset: -0.588 ms
Remote clock offset: 10.587 ms

Below is generated by plot.py at 2018-07-10 07:12:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 122.125 ms
Loss rate: 9.22%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 115.741 ms
Loss rate: 7.93%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 115.420 ms
Loss rate: 9.08%
-- Flow 3:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 122.567 ms
Loss rate: 16.92%

Run 3: Report of TCP BBR — Data Link

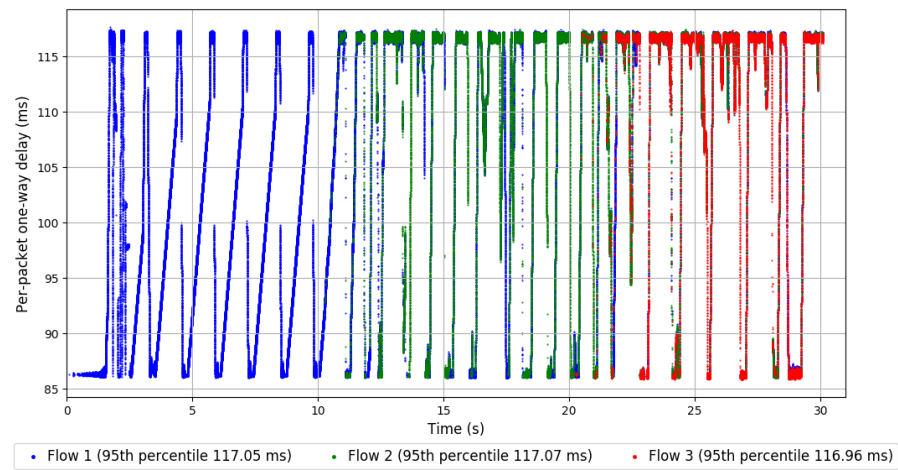
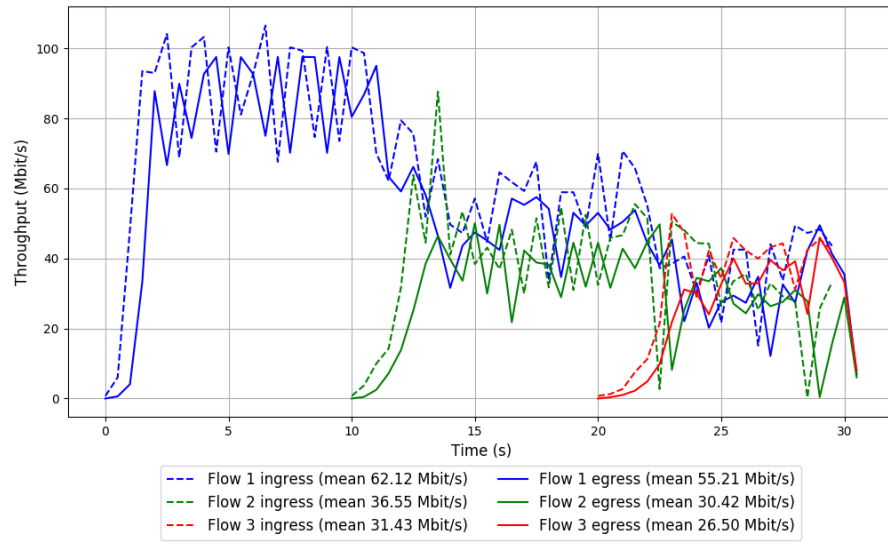


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 04:55:52
End at: 2018-07-10 04:56:22
Local clock offset: -0.579 ms
Remote clock offset: 15.712 ms

Below is generated by plot.py at 2018-07-10 07:12:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 117.052 ms
Loss rate: 12.92%
-- Flow 1:
Average throughput: 55.21 Mbit/s
95th percentile per-packet one-way delay: 117.052 ms
Loss rate: 11.04%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 117.073 ms
Loss rate: 16.65%
-- Flow 3:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 116.963 ms
Loss rate: 15.44%

Run 4: Report of TCP BBR — Data Link

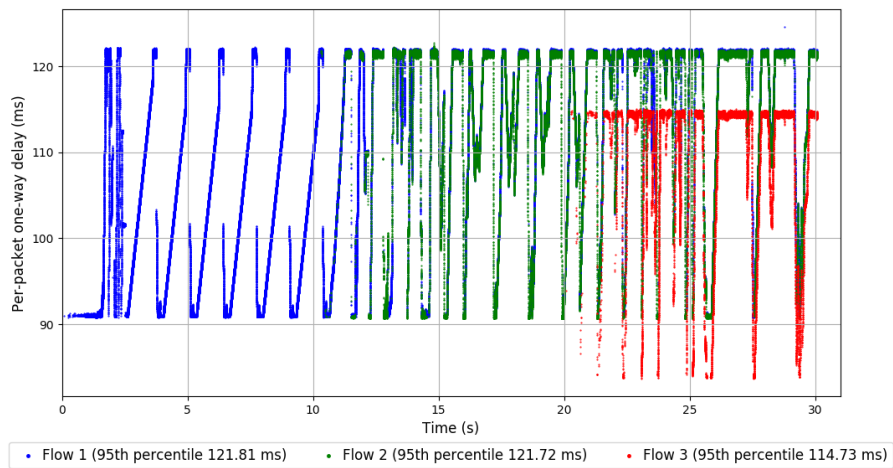
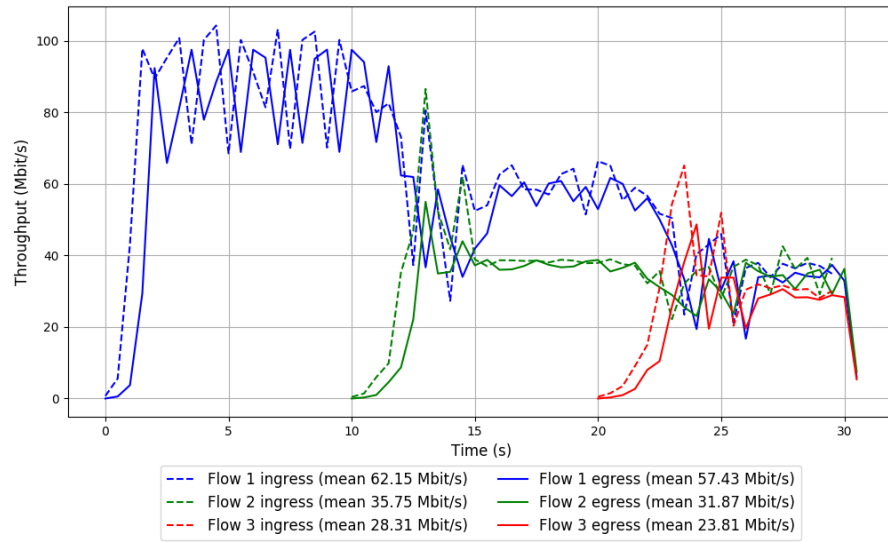


Run 5: Statistics of TCP BBR

Start at: 2018-07-10 05:17:05
End at: 2018-07-10 05:17:35
Local clock offset: -0.5 ms
Remote clock offset: 14.199 ms

Below is generated by plot.py at 2018-07-10 07:12:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 121.763 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 121.805 ms
Loss rate: 7.52%
-- Flow 2:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 121.715 ms
Loss rate: 10.84%
-- Flow 3:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 114.735 ms
Loss rate: 15.73%

Run 5: Report of TCP BBR — Data Link

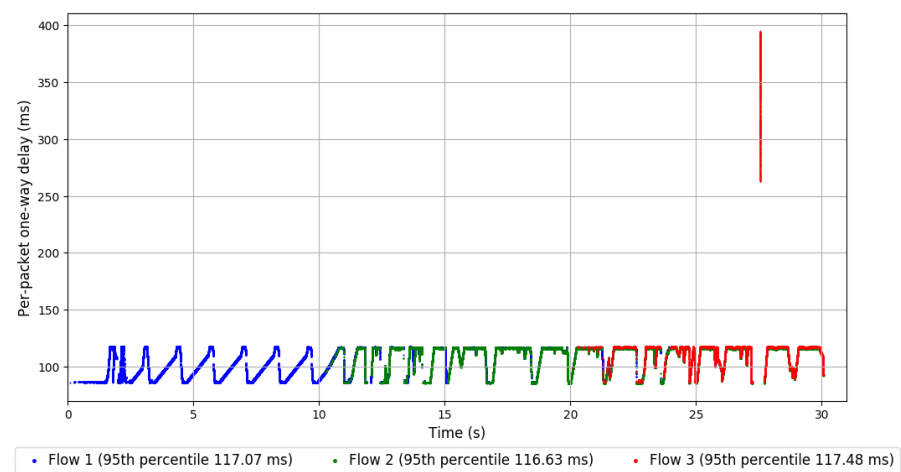
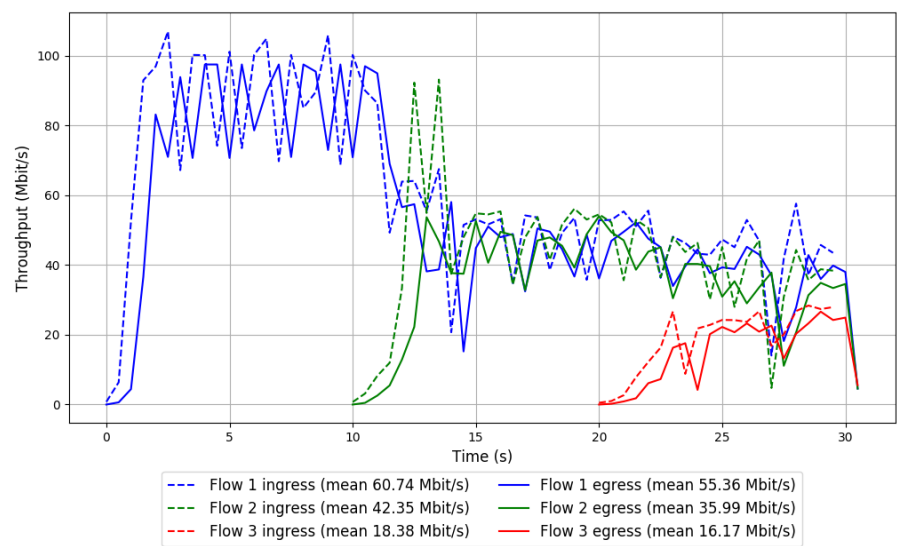


Run 6: Statistics of TCP BBR

Start at: 2018-07-10 05:38:17
End at: 2018-07-10 05:38:47
Local clock offset: -0.3 ms
Remote clock offset: 15.591 ms

Below is generated by plot.py at 2018-07-10 07:12:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 117.102 ms
Loss rate: 10.88%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 117.066 ms
Loss rate: 8.85%
-- Flow 2:
Average throughput: 35.99 Mbit/s
95th percentile per-packet one-way delay: 116.629 ms
Loss rate: 14.99%
-- Flow 3:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 117.478 ms
Loss rate: 12.11%

Run 6: Report of TCP BBR — Data Link

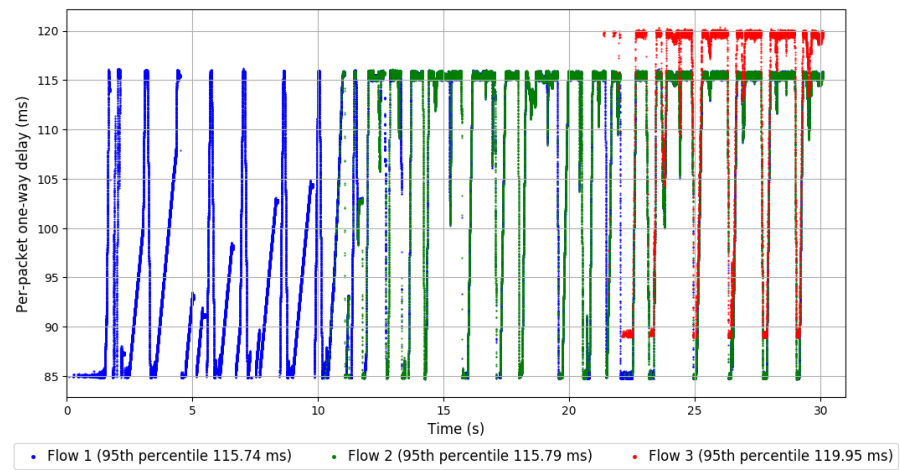
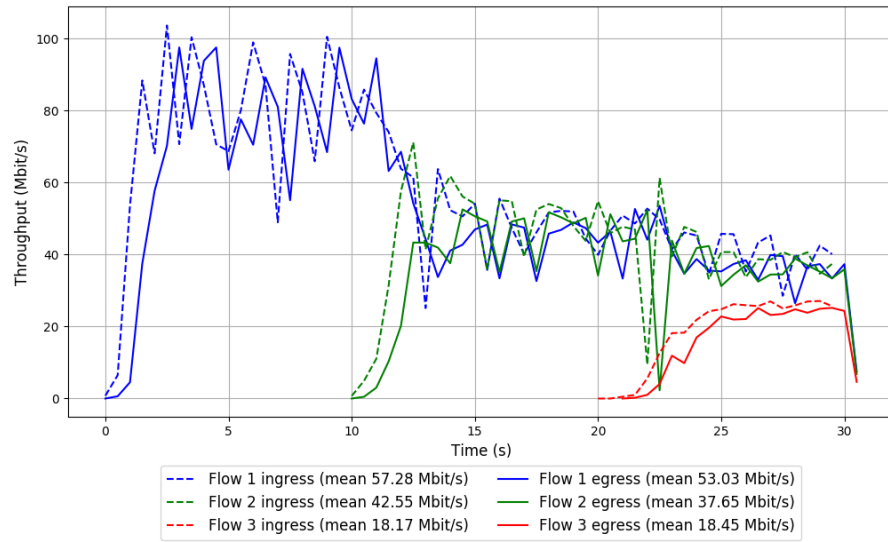


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 05:59:31
End at: 2018-07-10 06:00:01
Local clock offset: -0.199 ms
Remote clock offset: 24.835 ms

Below is generated by plot.py at 2018-07-10 07:12:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.60 Mbit/s
95th percentile per-packet one-way delay: 115.937 ms
Loss rate: 8.71%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 115.740 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 115.788 ms
Loss rate: 11.44%
-- Flow 3:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 119.955 ms
Loss rate: 8.97%

Run 7: Report of TCP BBR — Data Link

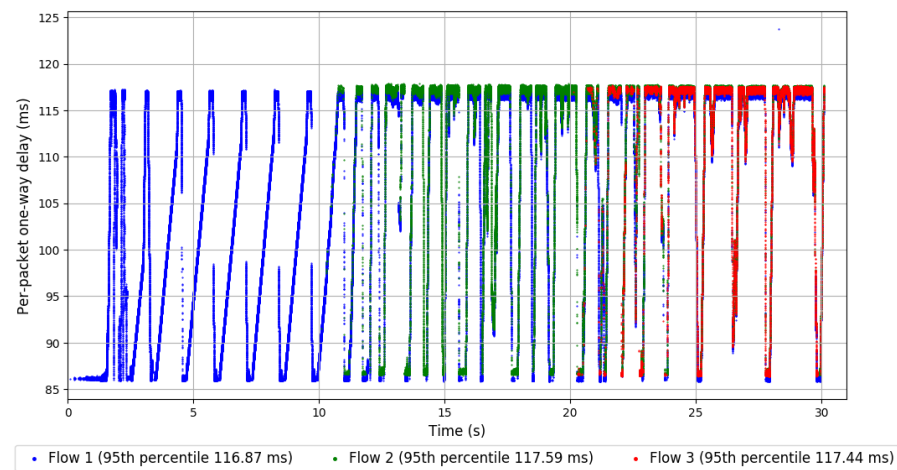
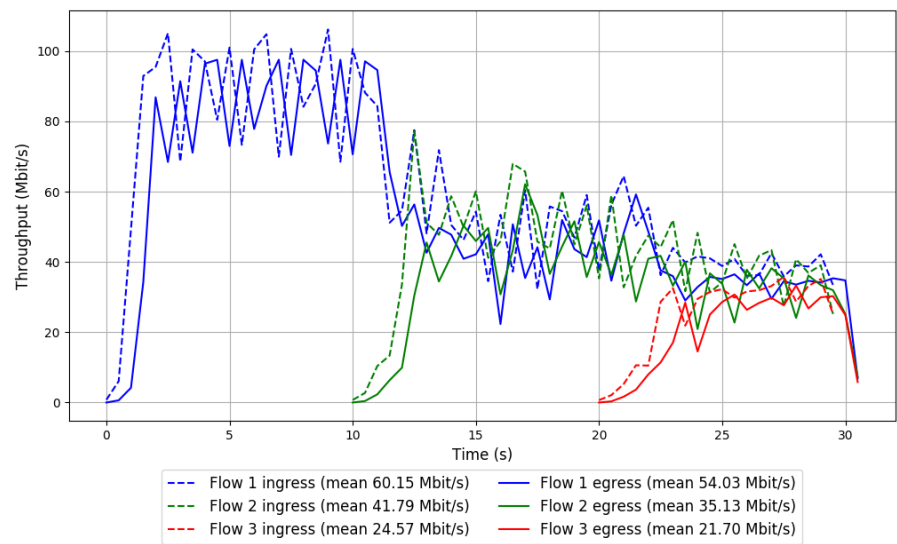


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 06:20:36
End at: 2018-07-10 06:21:06
Local clock offset: -0.024 ms
Remote clock offset: 30.712 ms

Below is generated by plot.py at 2018-07-10 07:12:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 117.460 ms
Loss rate: 11.89%
-- Flow 1:
Average throughput: 54.03 Mbit/s
95th percentile per-packet one-way delay: 116.866 ms
Loss rate: 10.09%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 117.587 ms
Loss rate: 15.84%
-- Flow 3:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 117.445 ms
Loss rate: 11.70%

Run 8: Report of TCP BBR — Data Link

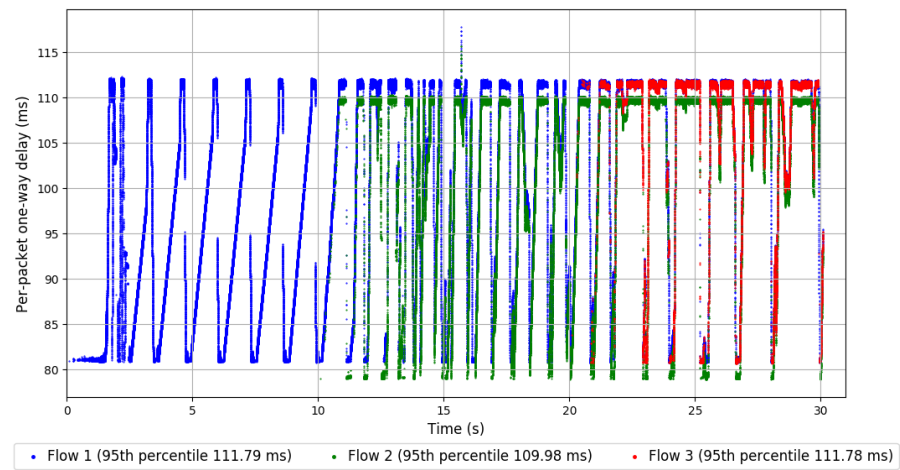
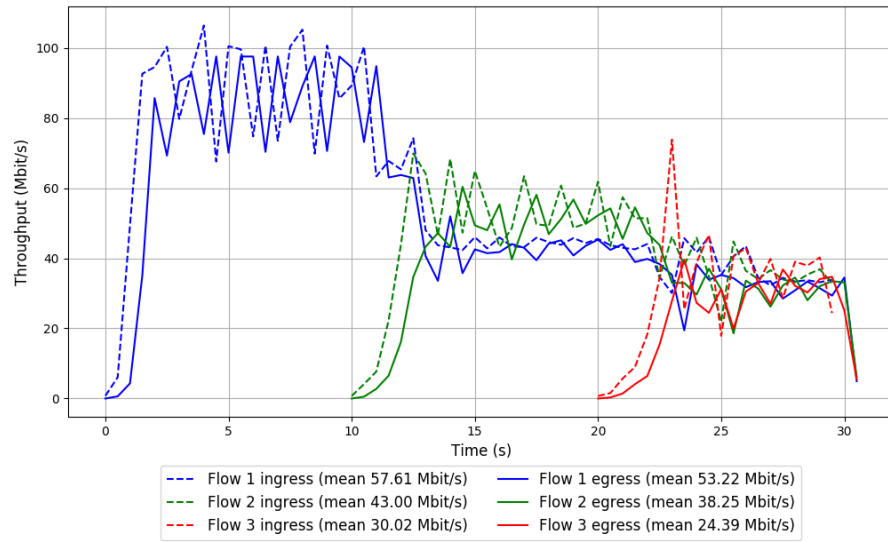


Run 9: Statistics of TCP BBR

Start at: 2018-07-10 06:41:48
End at: 2018-07-10 06:42:18
Local clock offset: -0.021 ms
Remote clock offset: 29.749 ms

Below is generated by plot.py at 2018-07-10 07:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 111.749 ms
Loss rate: 9.75%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 111.794 ms
Loss rate: 7.59%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 109.985 ms
Loss rate: 10.98%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 111.779 ms
Loss rate: 18.66%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-10 07:02:57

End at: 2018-07-10 07:03:27

Local clock offset: -0.074 ms

Remote clock offset: 8.096 ms

Below is generated by plot.py at 2018-07-10 07:13:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.44 Mbit/s

95th percentile per-packet one-way delay: 121.189 ms

Loss rate: 13.90%

-- Flow 1:

Average throughput: 52.56 Mbit/s

95th percentile per-packet one-way delay: 115.706 ms

Loss rate: 12.07%

-- Flow 2:

Average throughput: 33.73 Mbit/s

95th percentile per-packet one-way delay: 121.362 ms

Loss rate: 16.56%

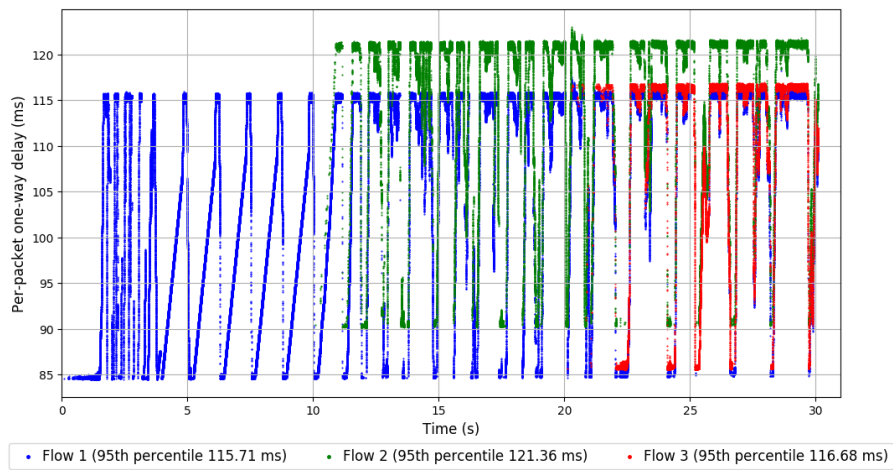
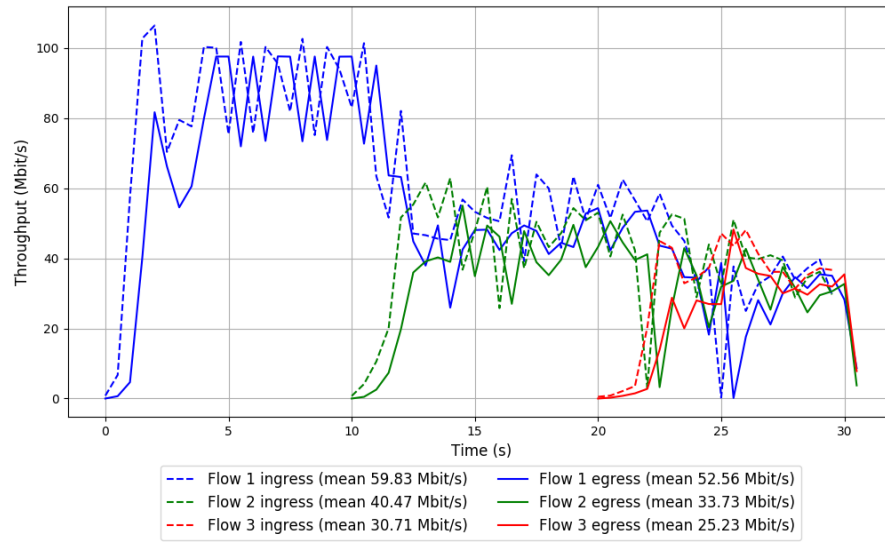
-- Flow 3:

Average throughput: 25.23 Mbit/s

95th percentile per-packet one-way delay: 116.678 ms

Loss rate: 17.62%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-10 03:47:25

End at: 2018-07-10 03:47:55

Local clock offset: -0.585 ms

Remote clock offset: 6.505 ms

Below is generated by plot.py at 2018-07-10 07:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 105.021 ms

Loss rate: 2.31%

-- Flow 1:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 107.831 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 15.87 Mbit/s

95th percentile per-packet one-way delay: 99.377 ms

Loss rate: 1.01%

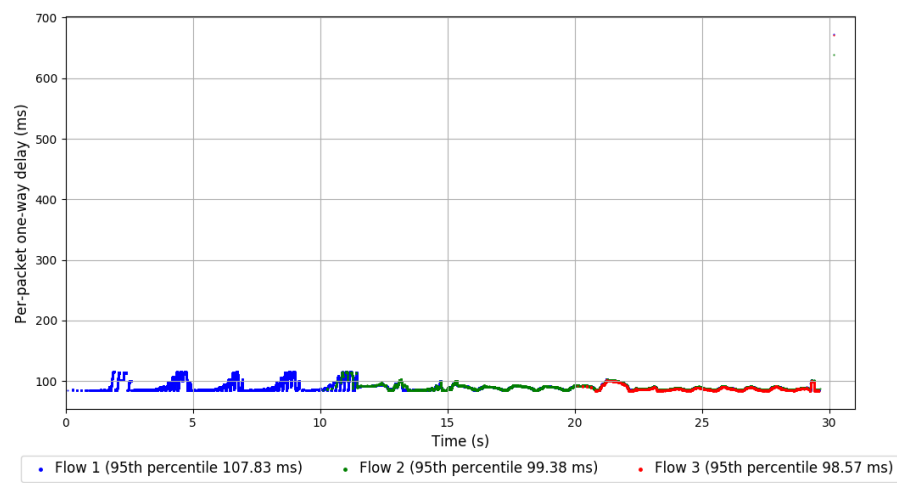
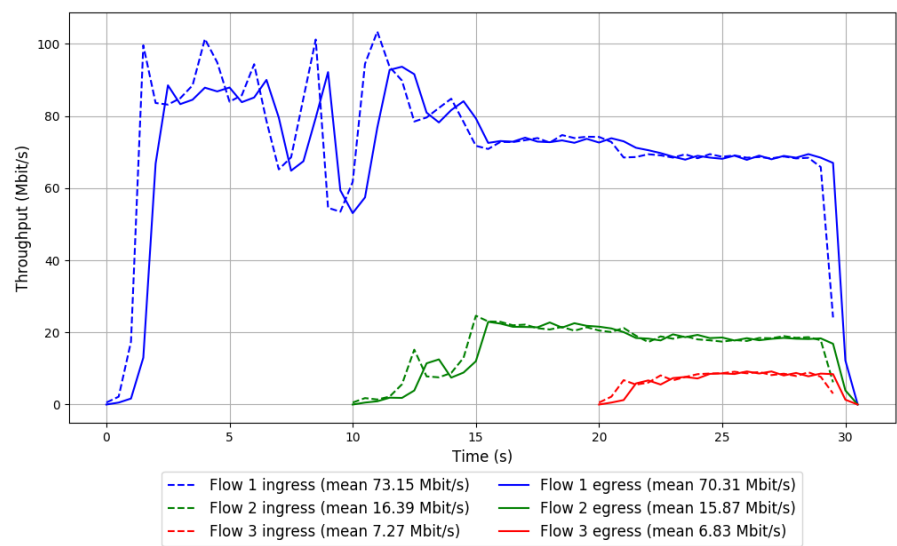
-- Flow 3:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 98.573 ms

Loss rate: 1.90%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-10 04:08:37

End at: 2018-07-10 04:09:07

Local clock offset: -0.644 ms

Remote clock offset: 7.686 ms

Below is generated by plot.py at 2018-07-10 07:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 112.287 ms

Loss rate: 1.95%

-- Flow 1:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 112.223 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 111.389 ms

Loss rate: 1.22%

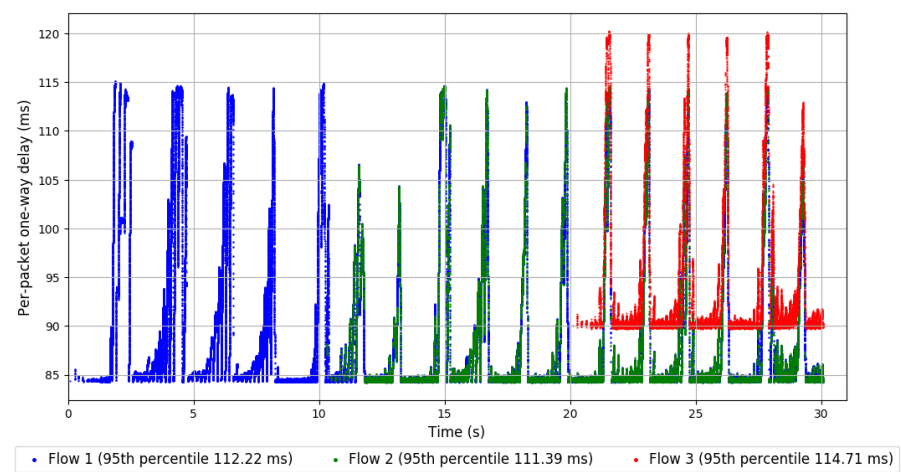
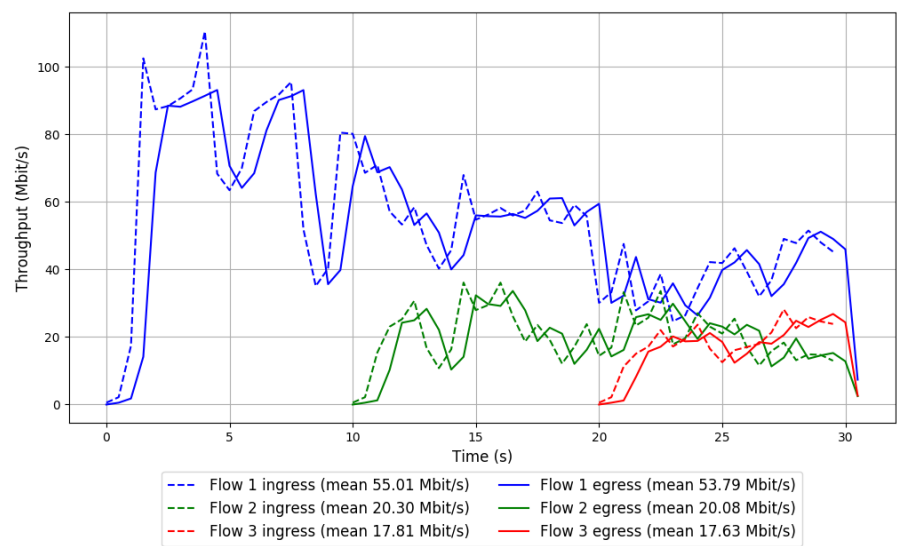
-- Flow 3:

Average throughput: 17.63 Mbit/s

95th percentile per-packet one-way delay: 114.709 ms

Loss rate: 1.06%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-10 04:29:46

End at: 2018-07-10 04:30:16

Local clock offset: -0.579 ms

Remote clock offset: 7.641 ms

Below is generated by plot.py at 2018-07-10 07:14:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.98 Mbit/s

95th percentile per-packet one-way delay: 110.155 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 118.482 ms

Loss rate: 2.51%

-- Flow 2:

Average throughput: 63.39 Mbit/s

95th percentile per-packet one-way delay: 102.157 ms

Loss rate: 0.16%

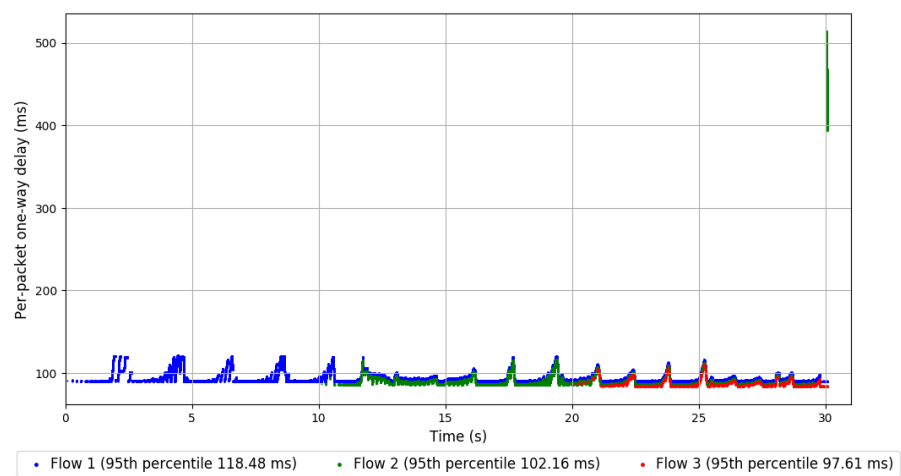
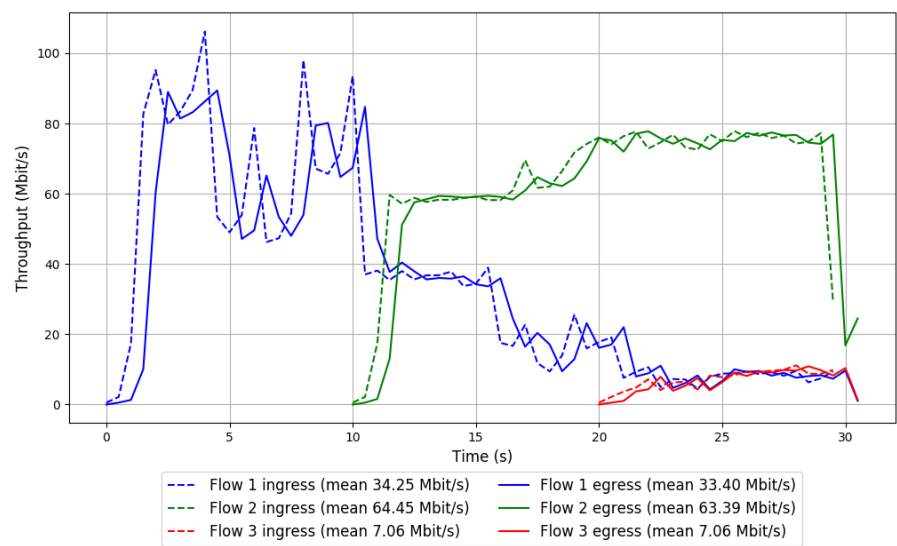
-- Flow 3:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 97.614 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

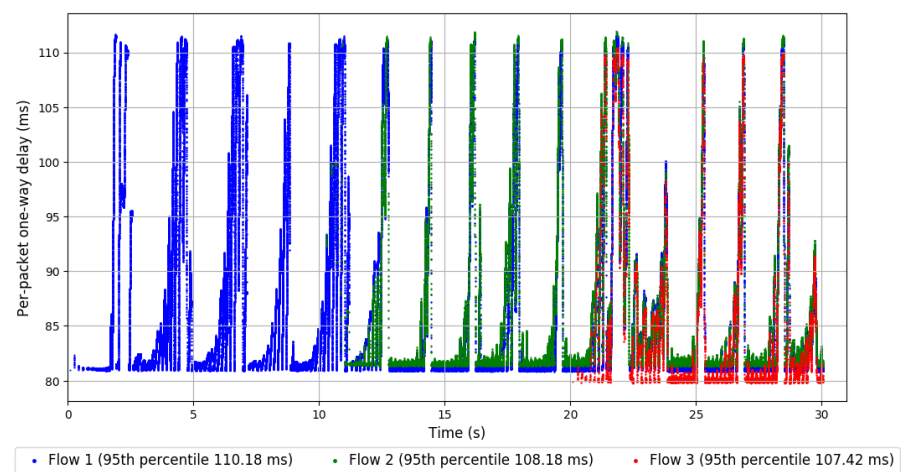
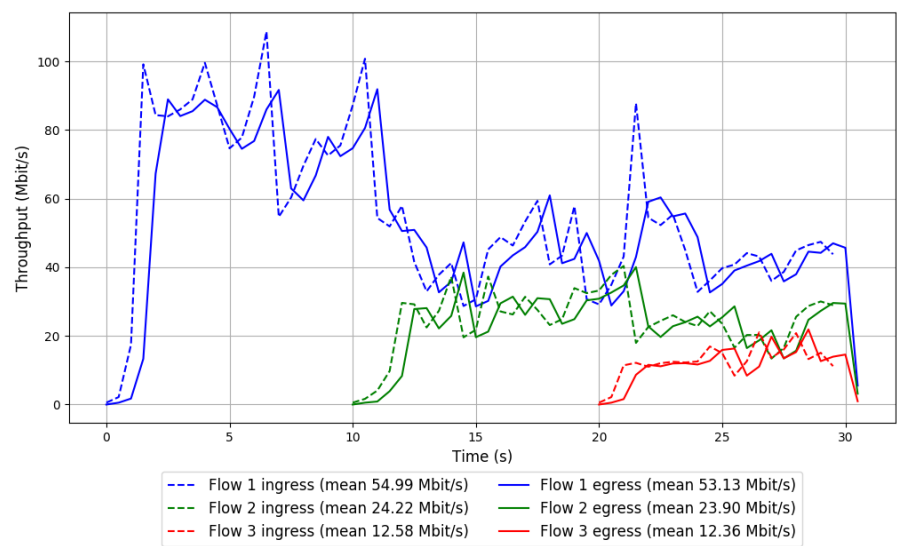


Run 4: Statistics of Copa

Start at: 2018-07-10 04:50:58
End at: 2018-07-10 04:51:28
Local clock offset: -0.576 ms
Remote clock offset: 10.094 ms

Below is generated by plot.py at 2018-07-10 07:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.15 Mbit/s
95th percentile per-packet one-way delay: 110.015 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 110.184 ms
Loss rate: 3.40%
-- Flow 2:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 108.181 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 107.424 ms
Loss rate: 1.77%

Run 4: Report of Copa — Data Link

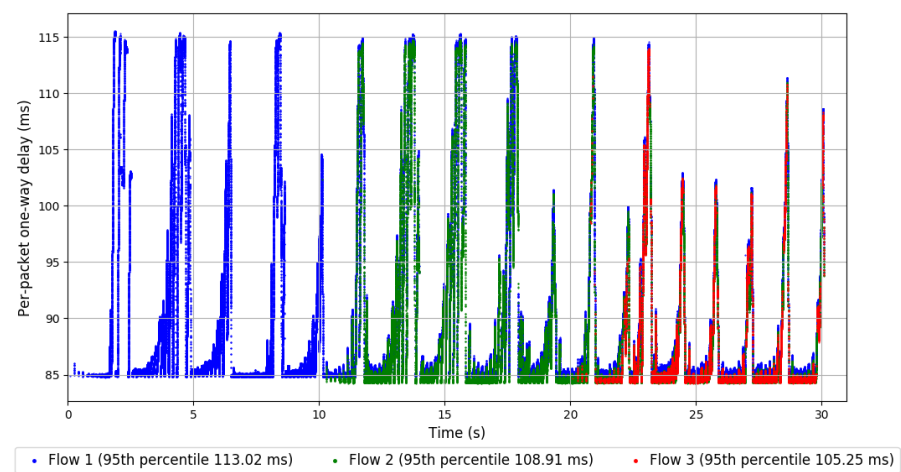
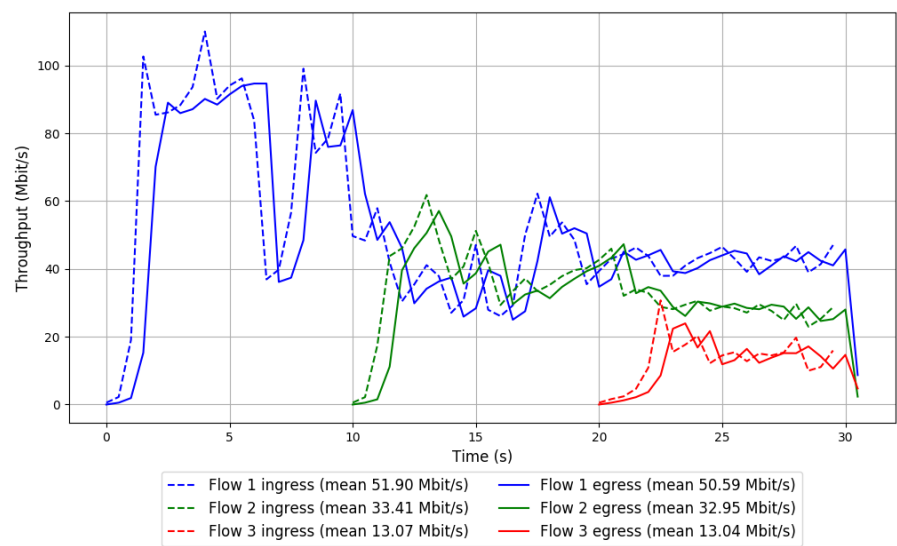


Run 5: Statistics of Copa

Start at: 2018-07-10 05:12:10
End at: 2018-07-10 05:12:40
Local clock offset: -0.629 ms
Remote clock offset: 15.503 ms

Below is generated by plot.py at 2018-07-10 07:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.86 Mbit/s
95th percentile per-packet one-way delay: 111.256 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 50.59 Mbit/s
95th percentile per-packet one-way delay: 113.016 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 108.905 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 105.250 ms
Loss rate: 0.20%

Run 5: Report of Copa — Data Link

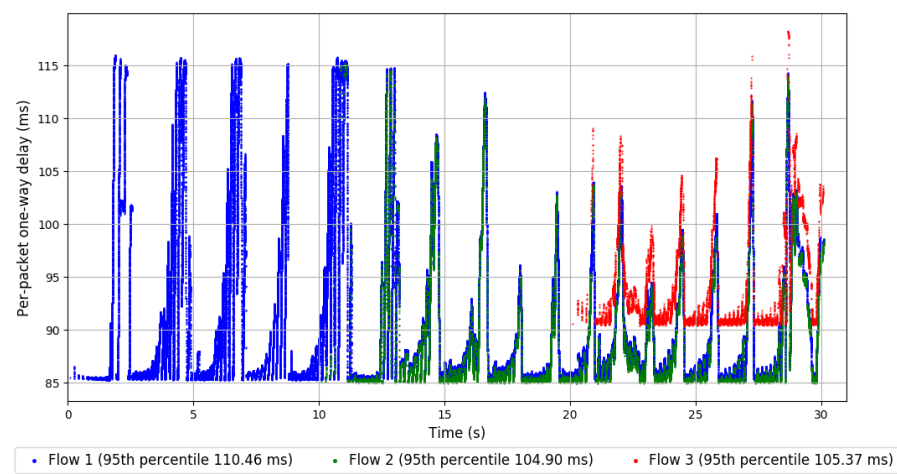
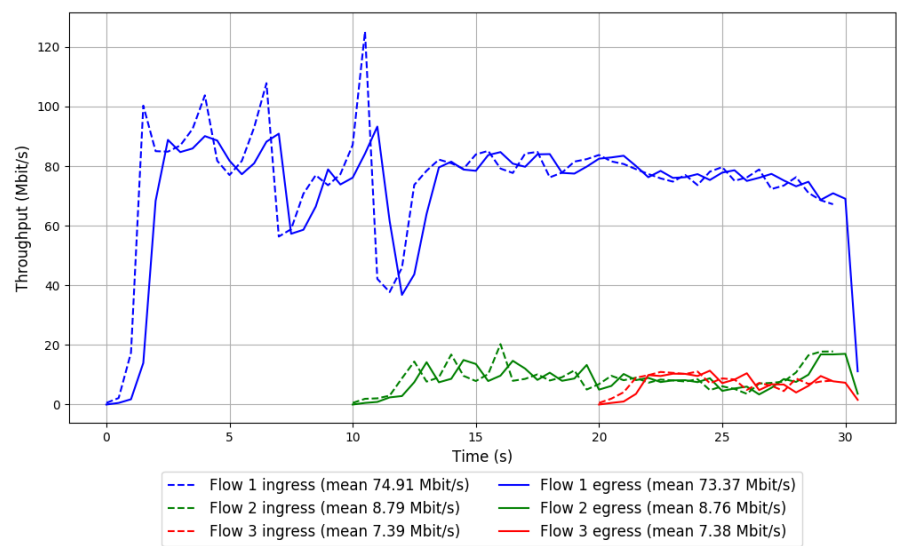


Run 6: Statistics of Copa

Start at: 2018-07-10 05:33:23
End at: 2018-07-10 05:33:53
Local clock offset: -0.342 ms
Remote clock offset: 14.475 ms

Below is generated by plot.py at 2018-07-10 07:14:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 109.556 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 110.459 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 104.900 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 105.372 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

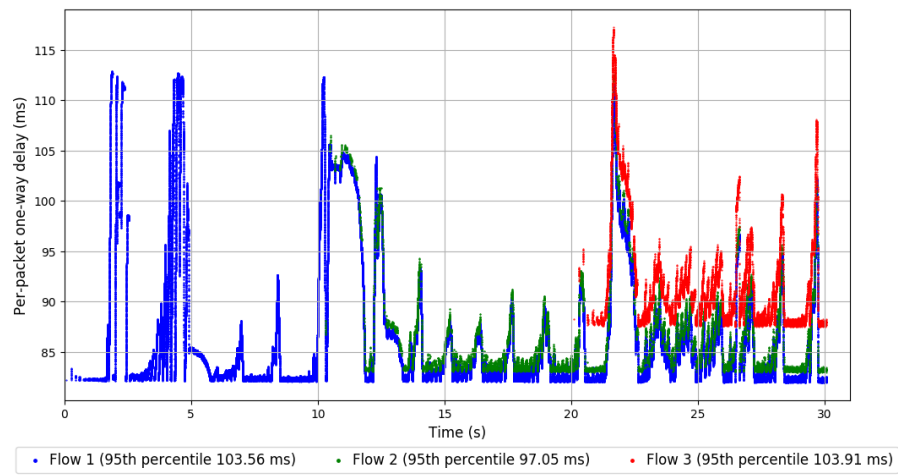
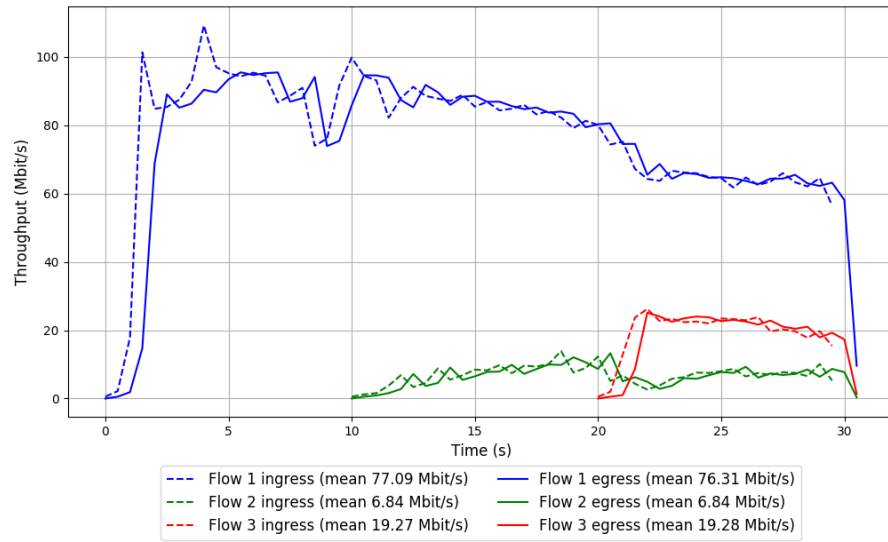


Run 7: Statistics of Copa

Start at: 2018-07-10 05:54:36
End at: 2018-07-10 05:55:06
Local clock offset: -0.254 ms
Remote clock offset: 20.784 ms

Below is generated by plot.py at 2018-07-10 07:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 103.460 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 103.558 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 97.045 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.28 Mbit/s
95th percentile per-packet one-way delay: 103.905 ms
Loss rate: 0.02%

Run 7: Report of Copa — Data Link

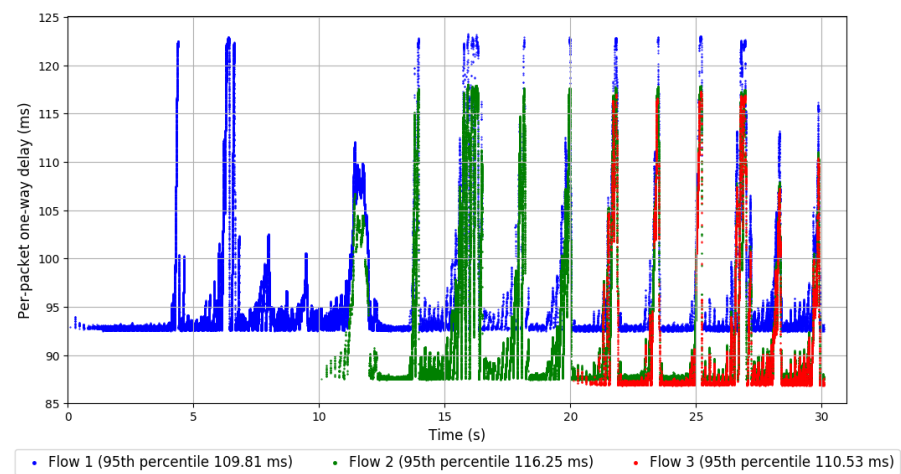
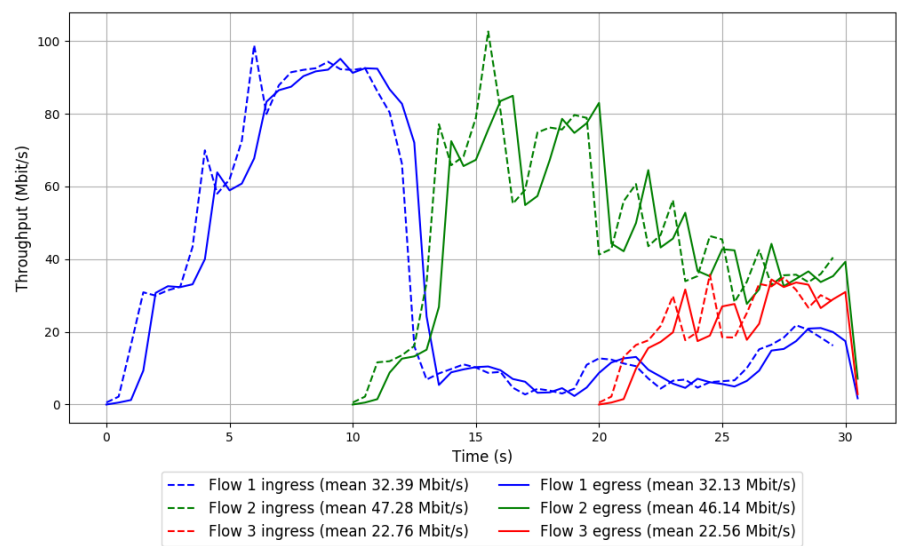


Run 8: Statistics of Copa

Start at: 2018-07-10 06:15:42
End at: 2018-07-10 06:16:12
Local clock offset: -0.043 ms
Remote clock offset: 30.716 ms

Below is generated by plot.py at 2018-07-10 07:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 113.134 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 109.815 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 46.14 Mbit/s
95th percentile per-packet one-way delay: 116.247 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 110.534 ms
Loss rate: 0.91%

Run 8: Report of Copa — Data Link

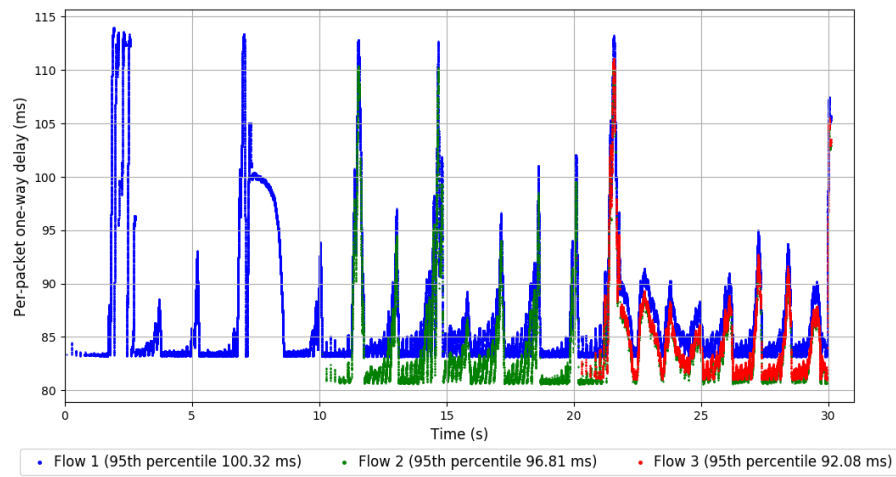
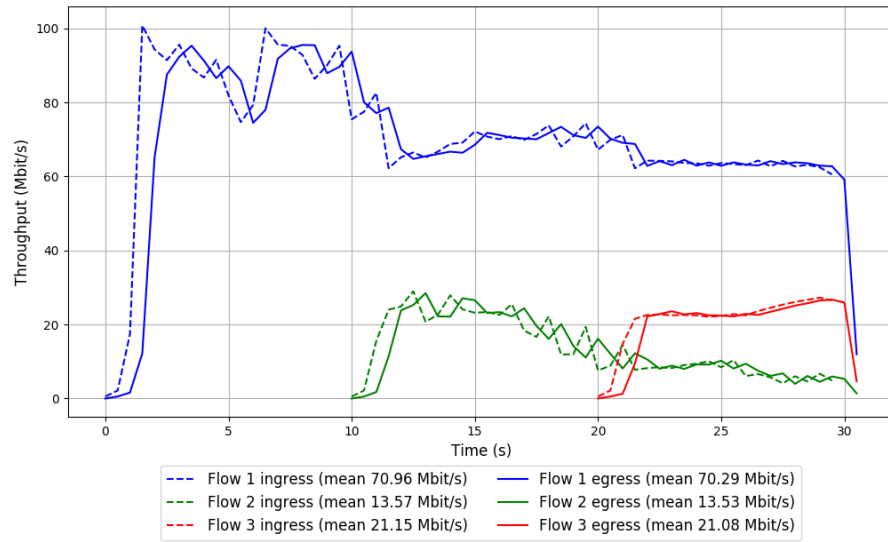


Run 9: Statistics of Copa

Start at: 2018-07-10 06:36:52
End at: 2018-07-10 06:37:22
Local clock offset: -0.078 ms
Remote clock offset: 30.108 ms

Below is generated by plot.py at 2018-07-10 07:16:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 100.089 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 70.29 Mbit/s
95th percentile per-packet one-way delay: 100.324 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 96.810 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 92.078 ms
Loss rate: 0.24%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-10 06:58:04

End at: 2018-07-10 06:58:34

Local clock offset: -0.098 ms

Remote clock offset: 7.64 ms

Below is generated by plot.py at 2018-07-10 07:16:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 104.709 ms

Loss rate: 1.92%

-- Flow 1:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 105.863 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 16.55 Mbit/s

95th percentile per-packet one-way delay: 101.182 ms

Loss rate: 0.29%

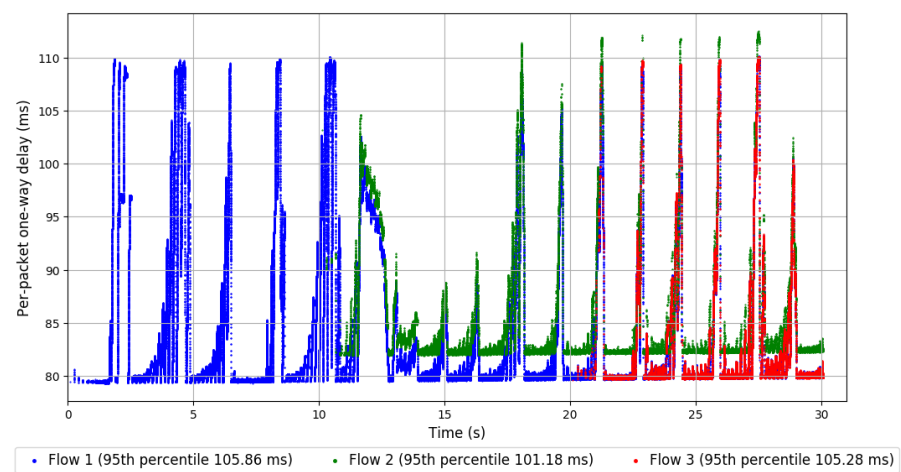
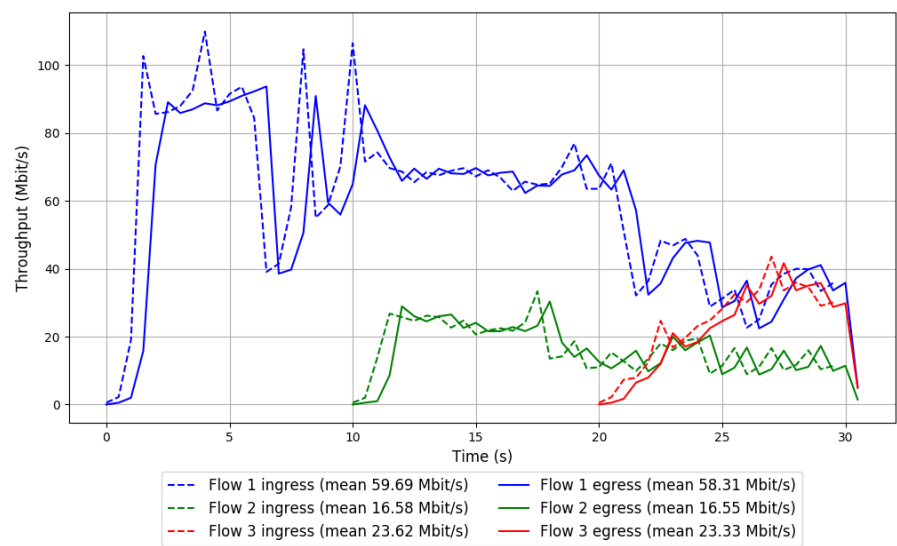
-- Flow 3:

Average throughput: 23.33 Mbit/s

95th percentile per-packet one-way delay: 105.277 ms

Loss rate: 1.24%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 03:38:37

End at: 2018-07-10 03:39:07

Local clock offset: -0.583 ms

Remote clock offset: 2.702 ms

Below is generated by plot.py at 2018-07-10 07:16:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.78 Mbit/s

95th percentile per-packet one-way delay: 106.490 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 95.617 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 34.04 Mbit/s

95th percentile per-packet one-way delay: 106.627 ms

Loss rate: 1.51%

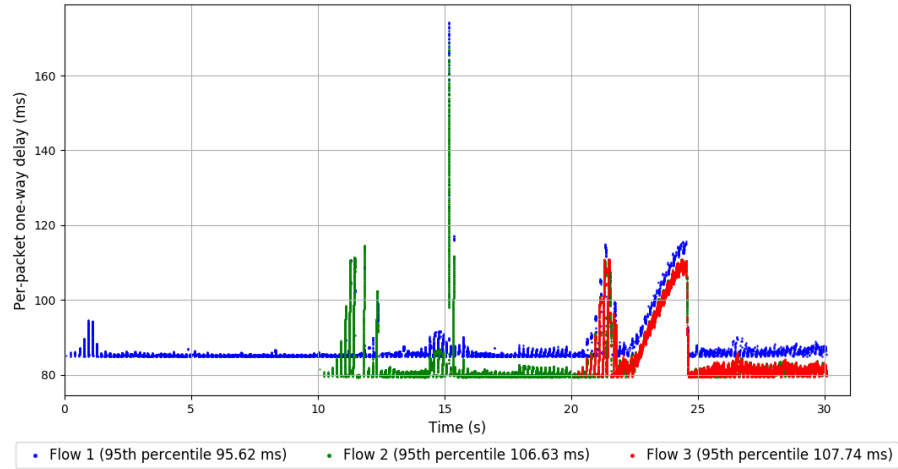
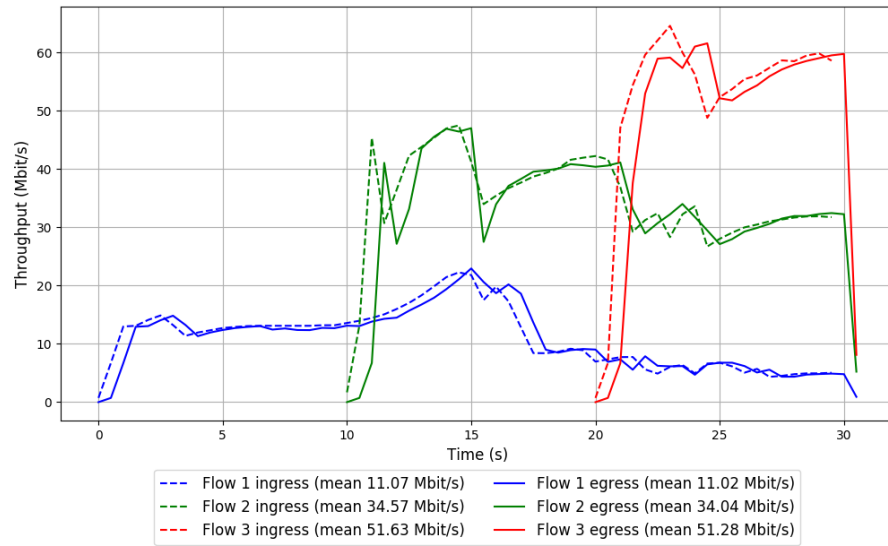
-- Flow 3:

Average throughput: 51.28 Mbit/s

95th percentile per-packet one-way delay: 107.742 ms

Loss rate: 0.67%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 03:59:48

End at: 2018-07-10 04:00:18

Local clock offset: -0.6 ms

Remote clock offset: 6.479 ms

Below is generated by plot.py at 2018-07-10 07:16:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.67 Mbit/s

95th percentile per-packet one-way delay: 117.930 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 115.996 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 32.62 Mbit/s

95th percentile per-packet one-way delay: 120.580 ms

Loss rate: 0.72%

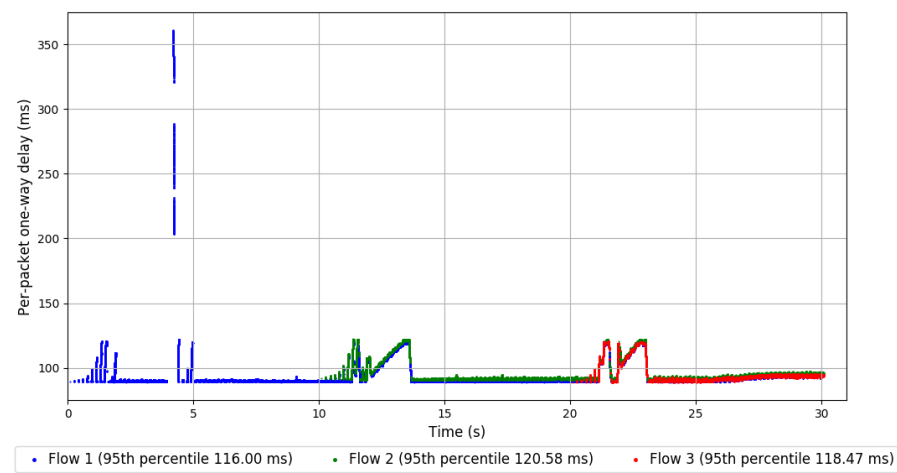
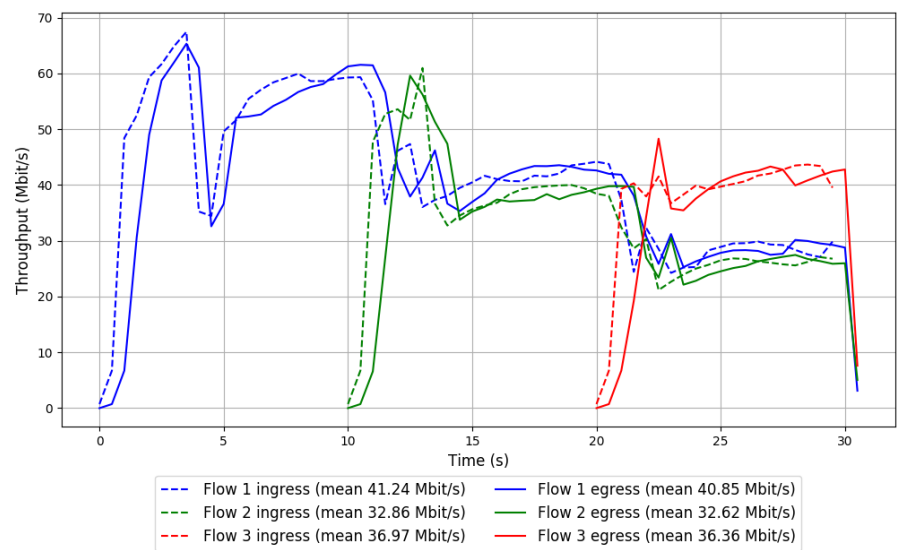
-- Flow 3:

Average throughput: 36.36 Mbit/s

95th percentile per-packet one-way delay: 118.471 ms

Loss rate: 1.66%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 04:20:59

End at: 2018-07-10 04:21:29

Local clock offset: -0.666 ms

Remote clock offset: 7.755 ms

Below is generated by plot.py at 2018-07-10 07:16:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 113.308 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 113.432 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 19.96 Mbit/s

95th percentile per-packet one-way delay: 113.723 ms

Loss rate: 1.46%

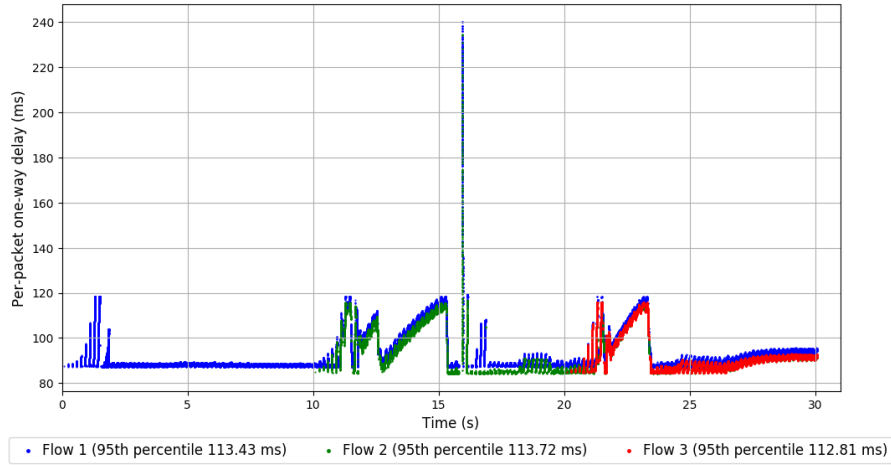
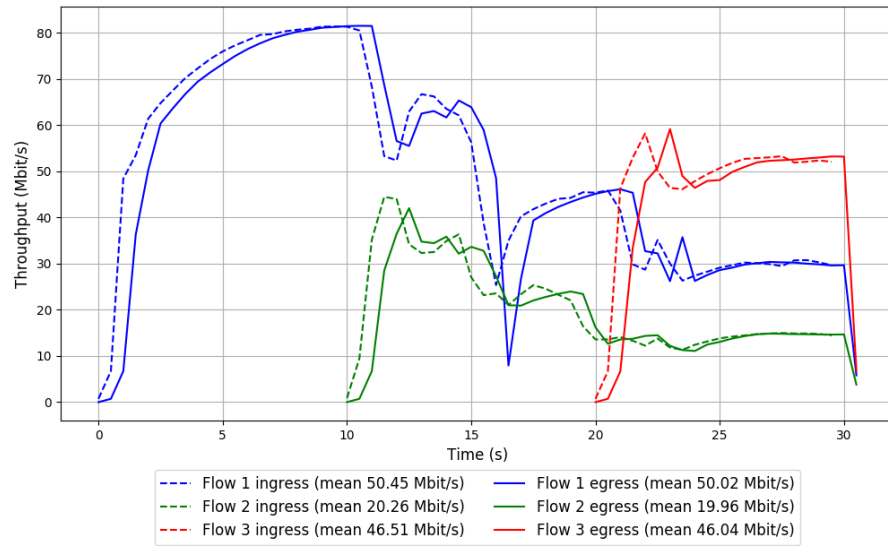
-- Flow 3:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 112.808 ms

Loss rate: 0.93%

Run 3: Report of TCP Cubic — Data Link

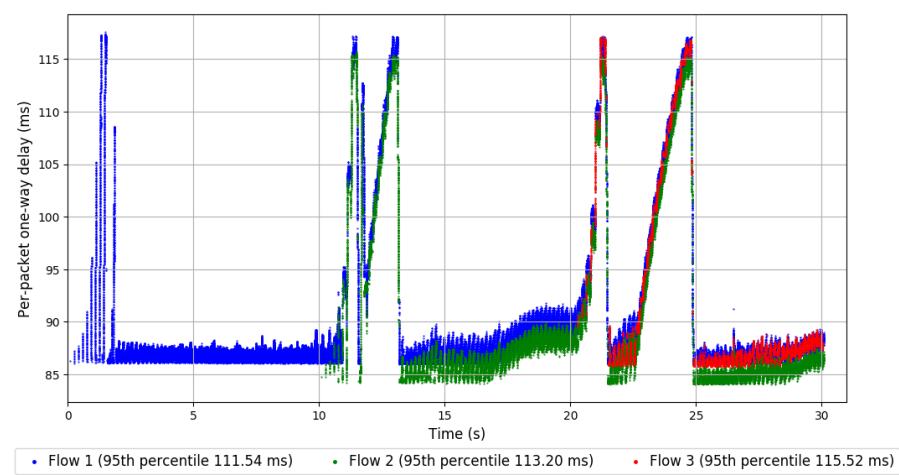
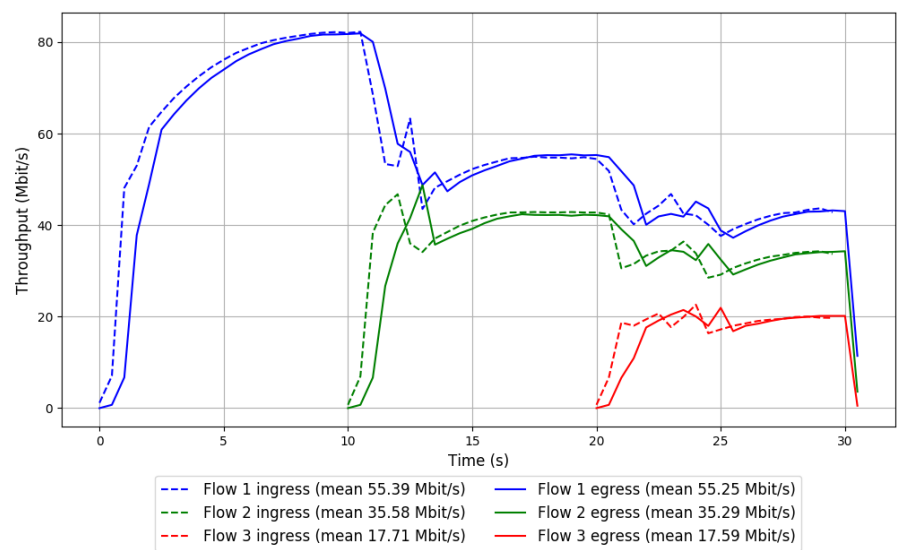


Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 04:42:08
End at: 2018-07-10 04:42:38
Local clock offset: -0.583 ms
Remote clock offset: 13.391 ms

Below is generated by plot.py at 2018-07-10 07:16:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 112.944 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 111.537 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 113.200 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 17.59 Mbit/s
95th percentile per-packet one-way delay: 115.516 ms
Loss rate: 0.70%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 05:03:18

End at: 2018-07-10 05:03:48

Local clock offset: -0.592 ms

Remote clock offset: 17.72 ms

Below is generated by plot.py at 2018-07-10 07:16:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.18 Mbit/s

95th percentile per-packet one-way delay: 102.371 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 61.97 Mbit/s

95th percentile per-packet one-way delay: 101.197 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 110.671 ms

Loss rate: 1.78%

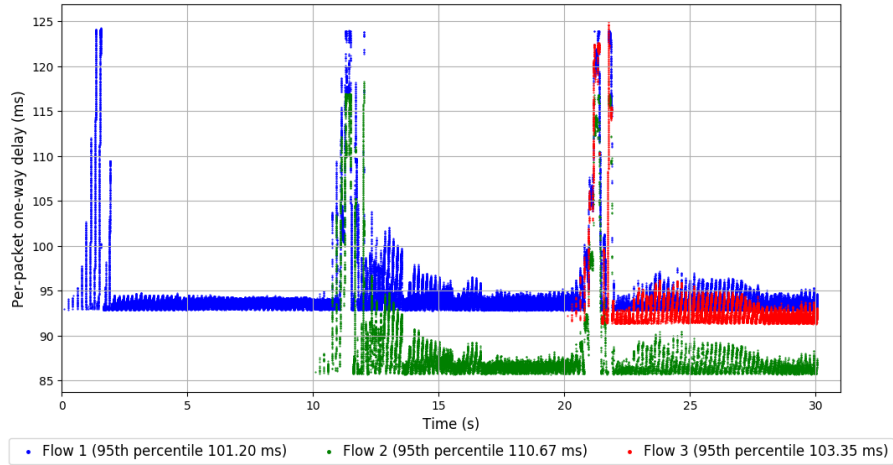
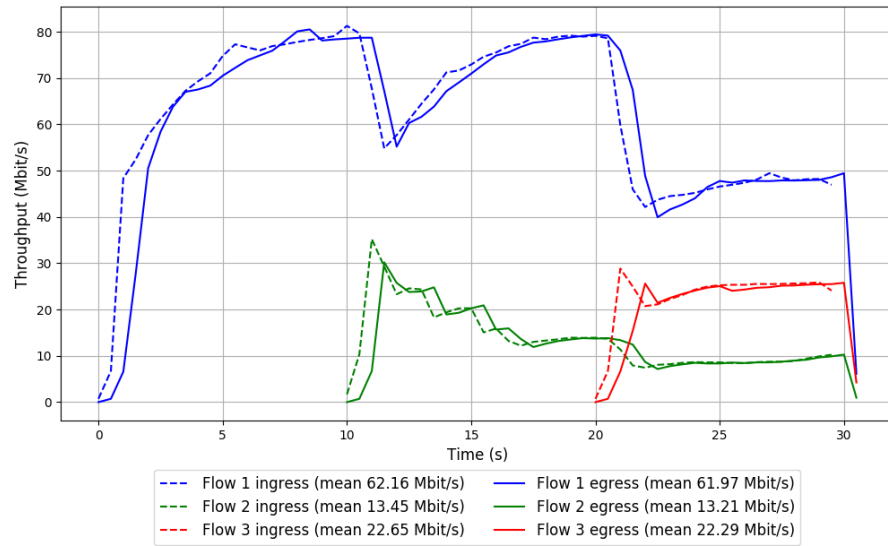
-- Flow 3:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 103.353 ms

Loss rate: 1.64%

Run 5: Report of TCP Cubic — Data Link

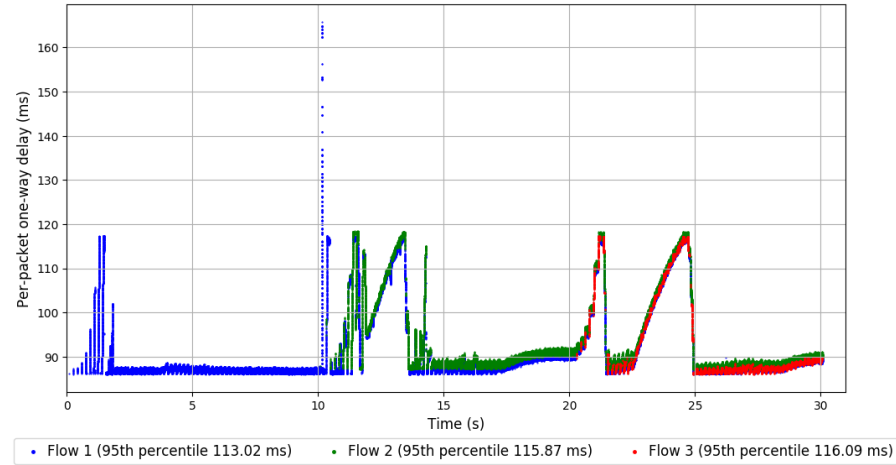
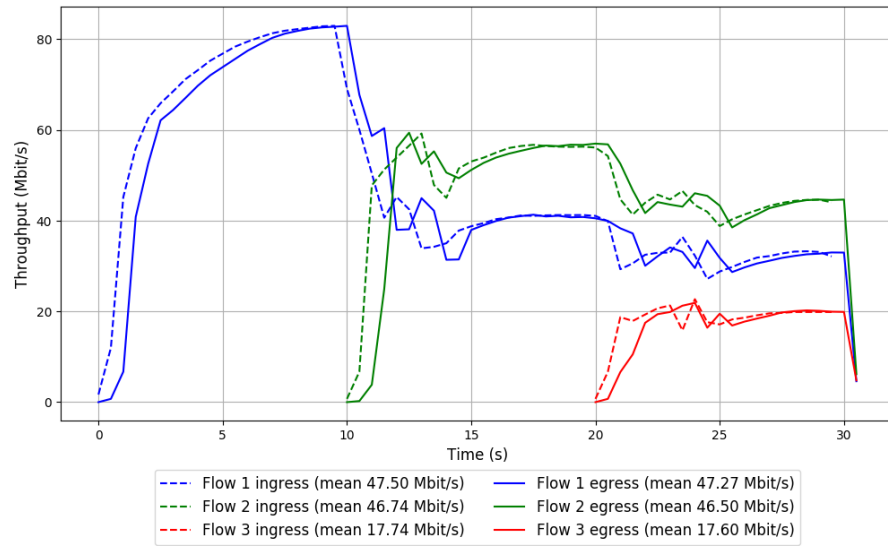


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 05:24:33
End at: 2018-07-10 05:25:03
Local clock offset: -0.486 ms
Remote clock offset: 15.323 ms

Below is generated by plot.py at 2018-07-10 07:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.09 Mbit/s
95th percentile per-packet one-way delay: 114.586 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 47.27 Mbit/s
95th percentile per-packet one-way delay: 113.022 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 115.868 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 116.092 ms
Loss rate: 0.79%

Run 6: Report of TCP Cubic — Data Link

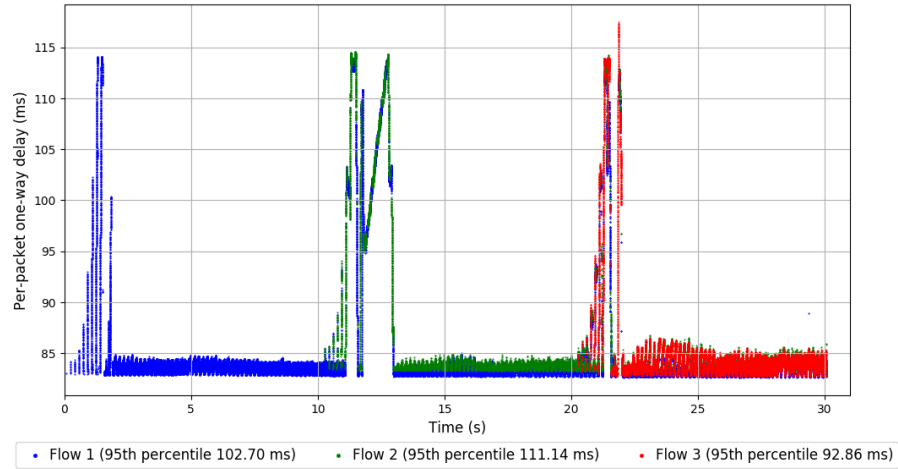
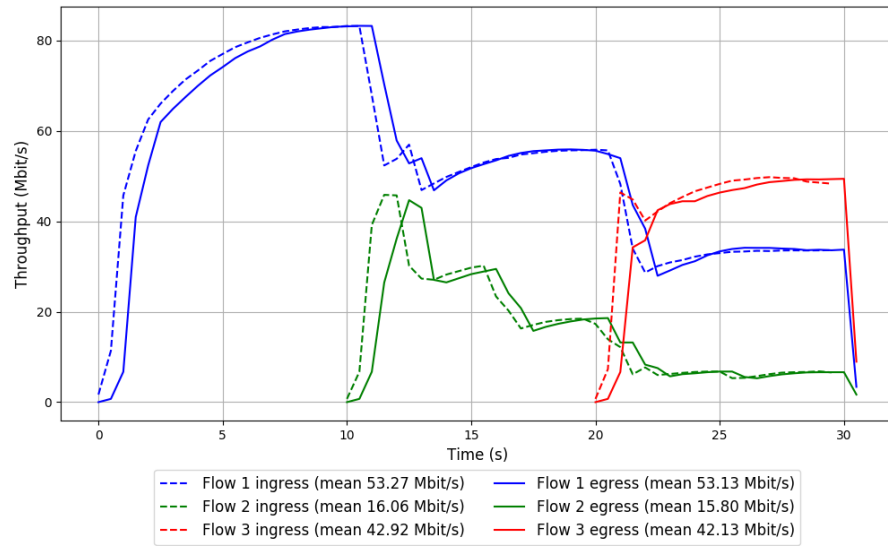


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 05:45:45
End at: 2018-07-10 05:46:15
Local clock offset: -0.255 ms
Remote clock offset: 19.933 ms

Below is generated by plot.py at 2018-07-10 07:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 104.857 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 102.696 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 111.135 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 92.860 ms
Loss rate: 1.85%

Run 7: Report of TCP Cubic — Data Link

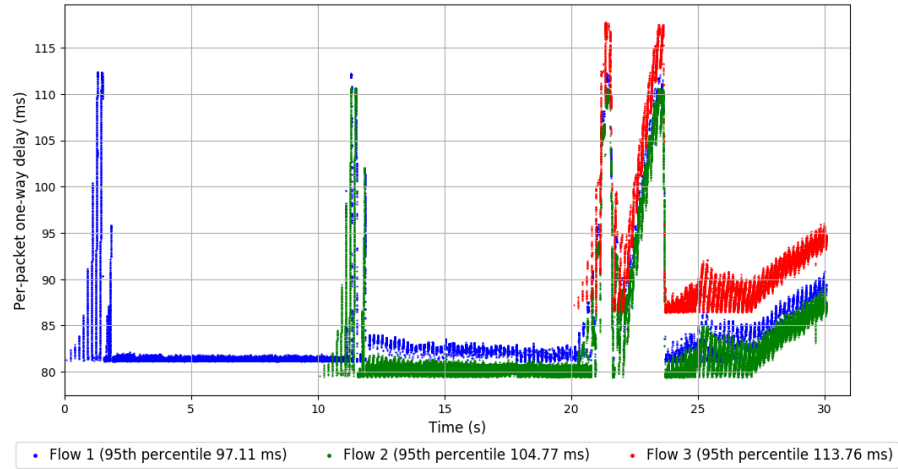
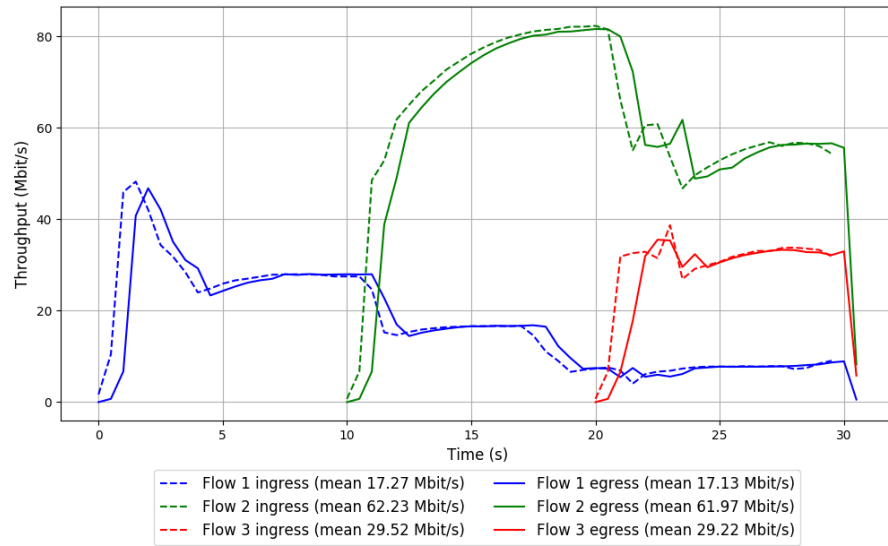


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 06:06:55
End at: 2018-07-10 06:07:25
Local clock offset: -0.093 ms
Remote clock offset: 22.677 ms

Below is generated by plot.py at 2018-07-10 07:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 105.768 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 97.112 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 104.769 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 113.757 ms
Loss rate: 1.01%

Run 8: Report of TCP Cubic — Data Link

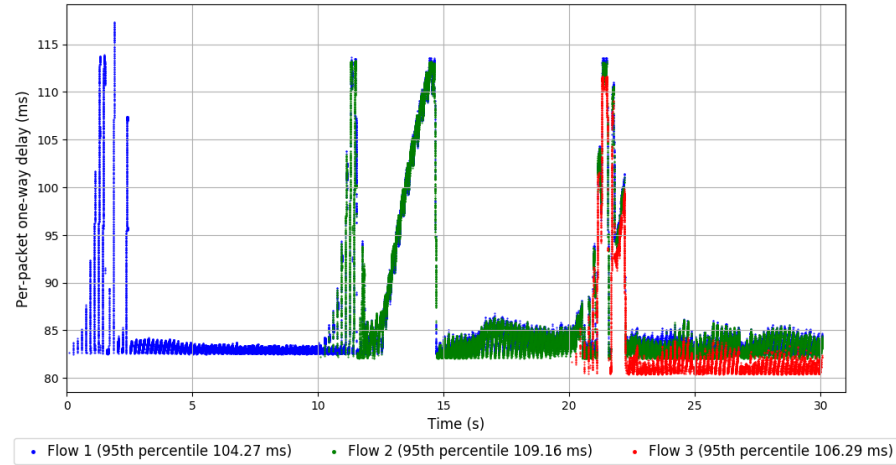
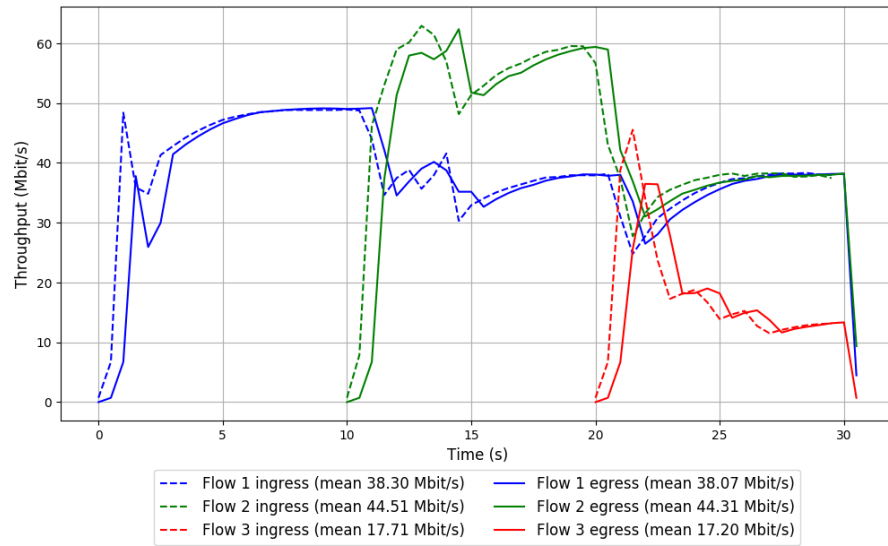


Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 06:28:03
End at: 2018-07-10 06:28:33
Local clock offset: -0.093 ms
Remote clock offset: 28.202 ms

Below is generated by plot.py at 2018-07-10 07:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 107.084 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 104.273 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 109.160 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 106.294 ms
Loss rate: 2.87%

Run 9: Report of TCP Cubic — Data Link

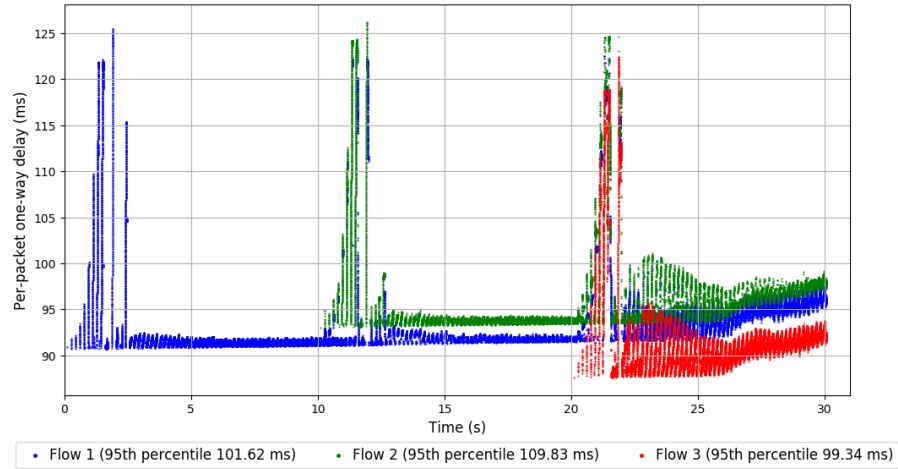
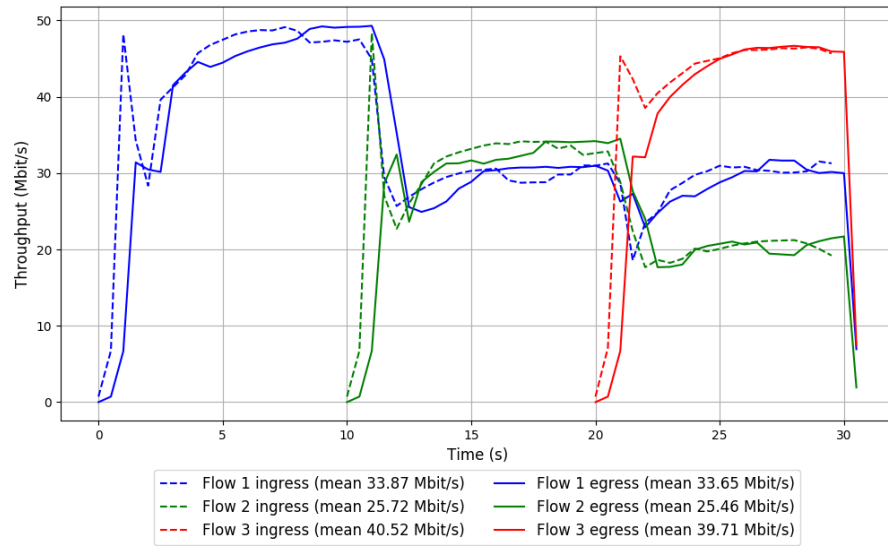


Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 06:49:15
End at: 2018-07-10 06:49:45
Local clock offset: -0.044 ms
Remote clock offset: 28.596 ms

Below is generated by plot.py at 2018-07-10 07:16:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 103.692 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 101.617 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 109.831 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 99.339 ms
Loss rate: 1.95%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-10 03:53:37

End at: 2018-07-10 03:54:07

Local clock offset: -0.594 ms

Remote clock offset: 6.434 ms

Below is generated by plot.py at 2018-07-10 07:17:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 112.960 ms

Loss rate: 16.70%

-- Flow 1:

Average throughput: 56.04 Mbit/s

95th percentile per-packet one-way delay: 113.016 ms

Loss rate: 16.27%

-- Flow 2:

Average throughput: 46.98 Mbit/s

95th percentile per-packet one-way delay: 111.285 ms

Loss rate: 17.46%

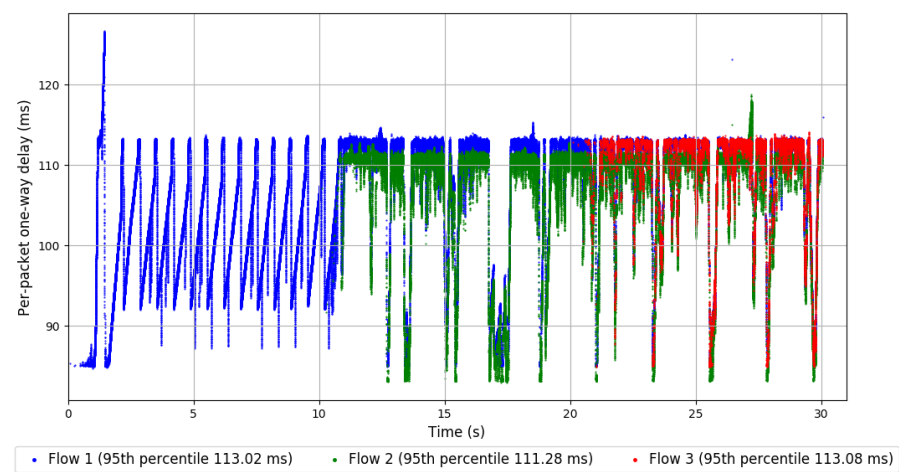
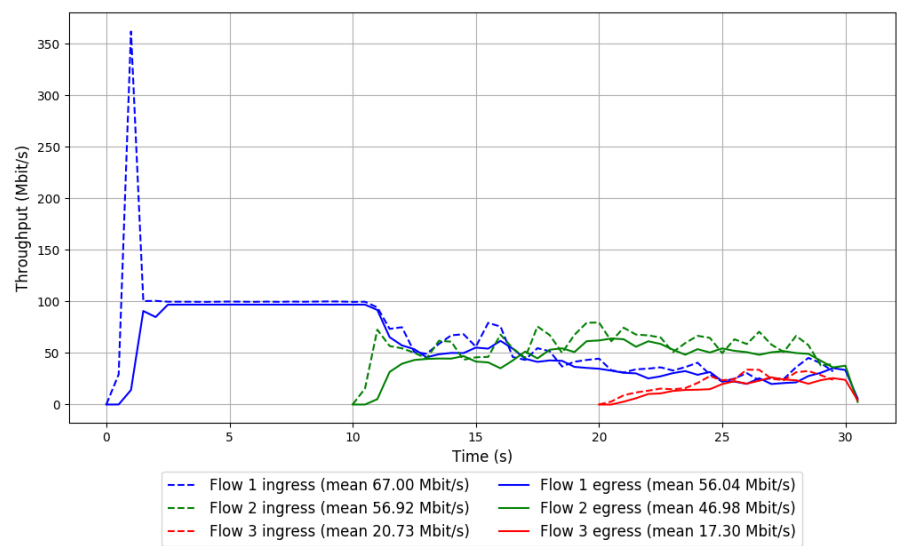
-- Flow 3:

Average throughput: 17.30 Mbit/s

95th percentile per-packet one-way delay: 113.080 ms

Loss rate: 16.61%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-10 04:14:48

End at: 2018-07-10 04:15:18

Local clock offset: -0.649 ms

Remote clock offset: 3.795 ms

Below is generated by plot.py at 2018-07-10 07:17:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 111.129 ms

Loss rate: 18.96%

-- Flow 1:

Average throughput: 56.49 Mbit/s

95th percentile per-packet one-way delay: 111.227 ms

Loss rate: 17.48%

-- Flow 2:

Average throughput: 50.20 Mbit/s

95th percentile per-packet one-way delay: 108.440 ms

Loss rate: 21.52%

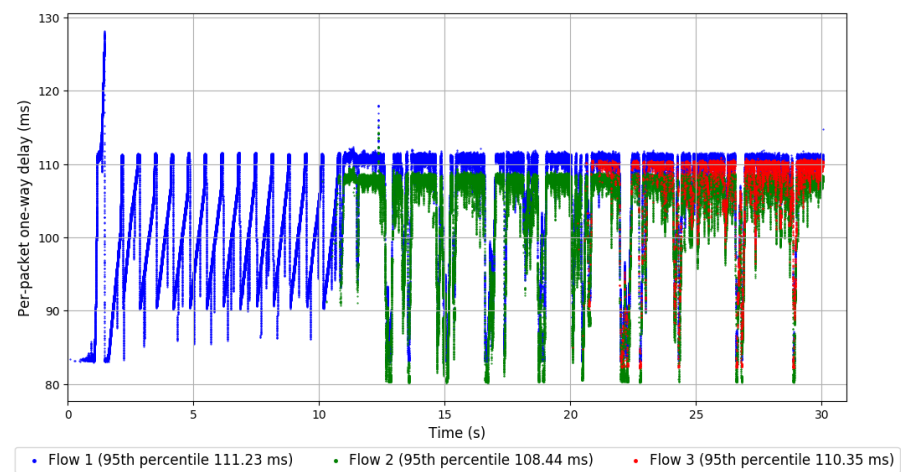
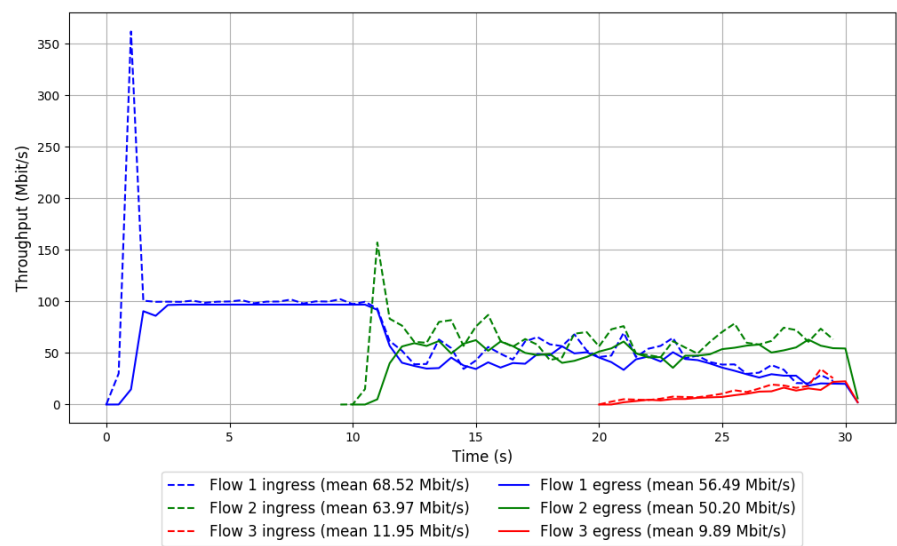
-- Flow 3:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 110.346 ms

Loss rate: 17.01%

Run 2: Report of FillP — Data Link

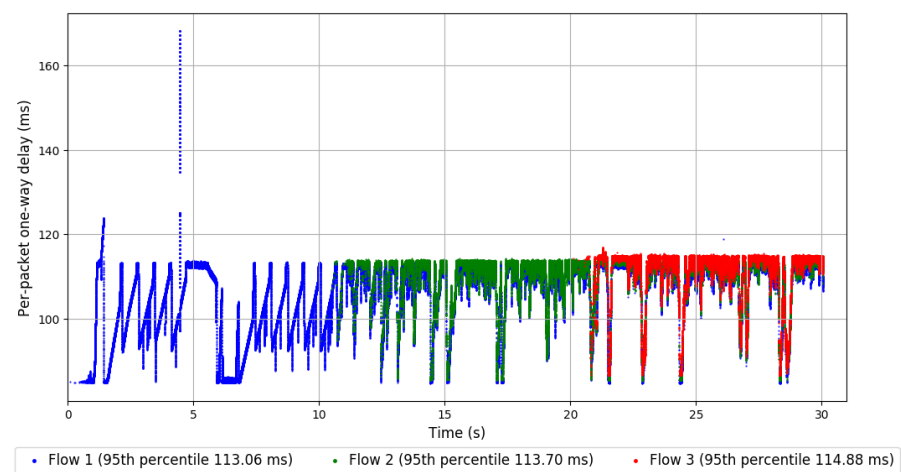
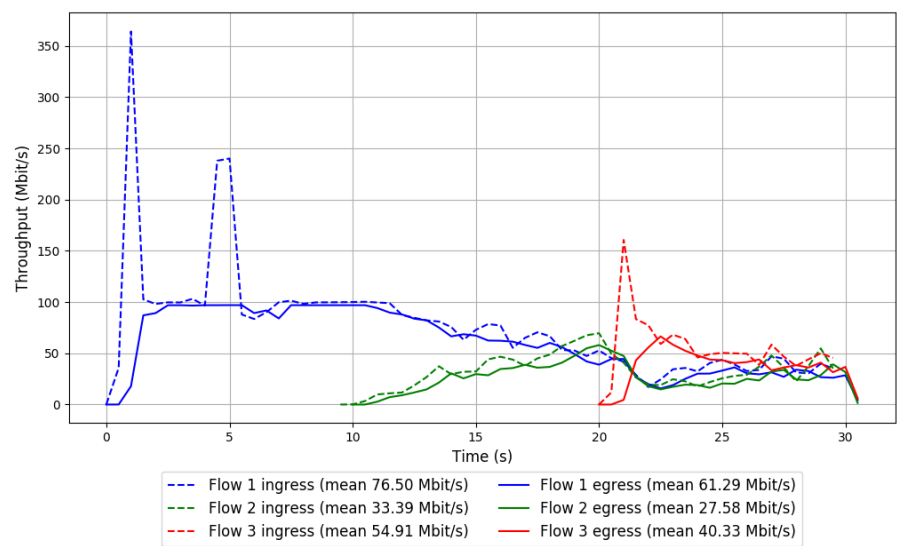


Run 3: Statistics of FillP

Start at: 2018-07-10 04:35:57
End at: 2018-07-10 04:36:27
Local clock offset: -0.621 ms
Remote clock offset: 12.047 ms

Below is generated by plot.py at 2018-07-10 07:17:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 114.491 ms
Loss rate: 20.40%
-- Flow 1:
Average throughput: 61.29 Mbit/s
95th percentile per-packet one-way delay: 113.057 ms
Loss rate: 19.83%
-- Flow 2:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 113.703 ms
Loss rate: 17.32%
-- Flow 3:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 114.884 ms
Loss rate: 26.57%

Run 3: Report of FillP — Data Link

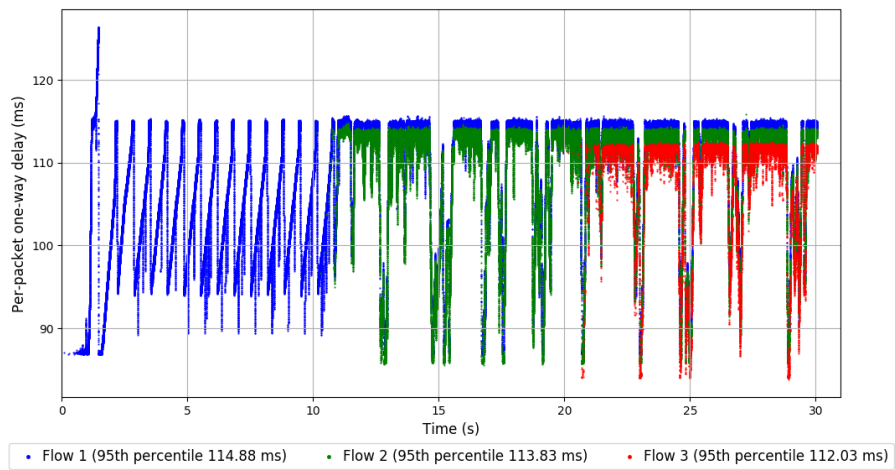
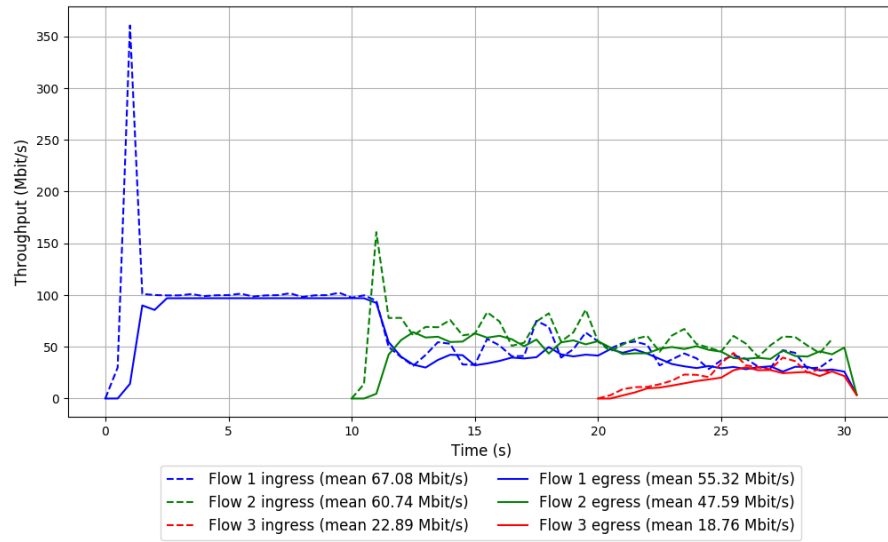


Run 4: Statistics of FillP

Start at: 2018-07-10 04:57:08
End at: 2018-07-10 04:57:38
Local clock offset: -0.576 ms
Remote clock offset: 15.783 ms

Below is generated by plot.py at 2018-07-10 07:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 114.760 ms
Loss rate: 18.97%
-- Flow 1:
Average throughput: 55.32 Mbit/s
95th percentile per-packet one-way delay: 114.877 ms
Loss rate: 17.46%
-- Flow 2:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 113.829 ms
Loss rate: 21.65%
-- Flow 3:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 112.033 ms
Loss rate: 18.03%

Run 4: Report of FillP — Data Link

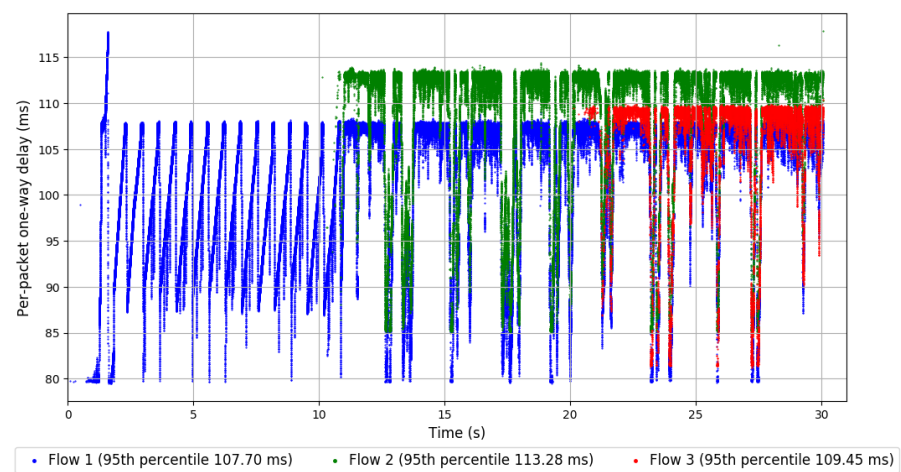
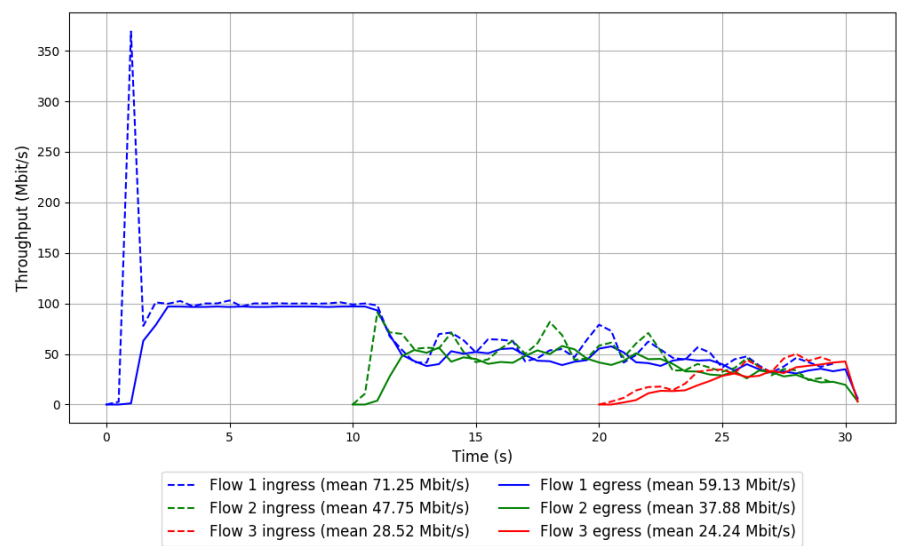


Run 5: Statistics of FillP

Start at: 2018-07-10 05:18:22
End at: 2018-07-10 05:18:52
Local clock offset: -0.485 ms
Remote clock offset: 10.178 ms

Below is generated by plot.py at 2018-07-10 07:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 113.055 ms
Loss rate: 17.83%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 107.699 ms
Loss rate: 16.93%
-- Flow 2:
Average throughput: 37.88 Mbit/s
95th percentile per-packet one-way delay: 113.276 ms
Loss rate: 20.66%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 109.449 ms
Loss rate: 15.00%

Run 5: Report of FillP — Data Link

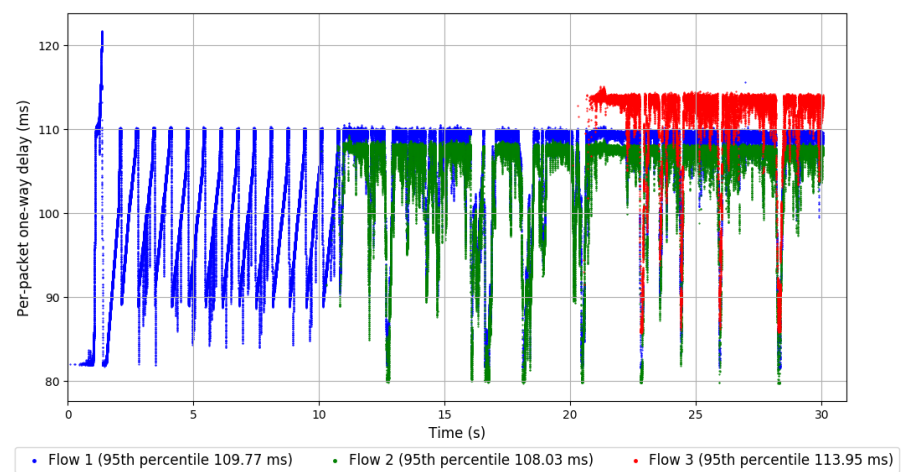
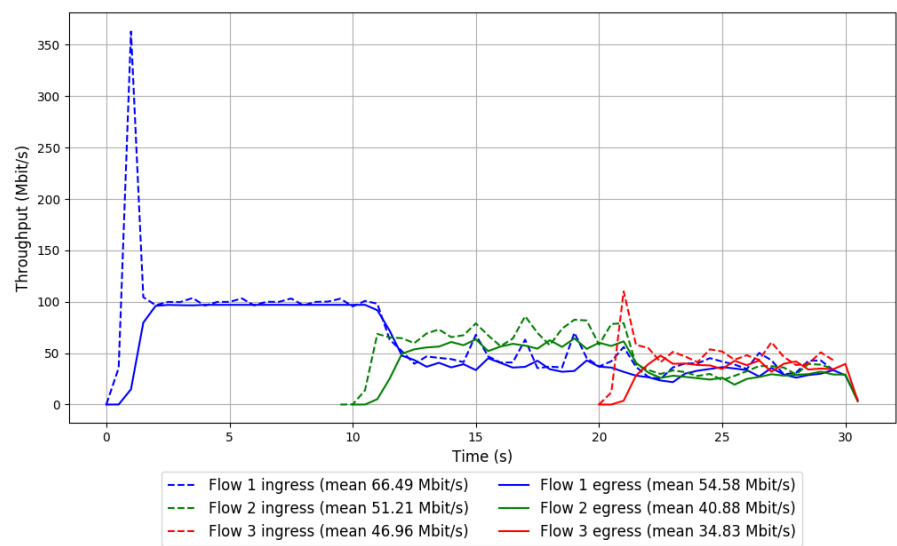


Run 6: Statistics of FillP

Start at: 2018-07-10 05:39:34
End at: 2018-07-10 05:40:04
Local clock offset: -0.287 ms
Remote clock offset: 12.876 ms

Below is generated by plot.py at 2018-07-10 07:17:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 113.469 ms
Loss rate: 19.60%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 109.771 ms
Loss rate: 17.85%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 108.027 ms
Loss rate: 20.17%
-- Flow 3:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 113.955 ms
Loss rate: 25.82%

Run 6: Report of FillP — Data Link

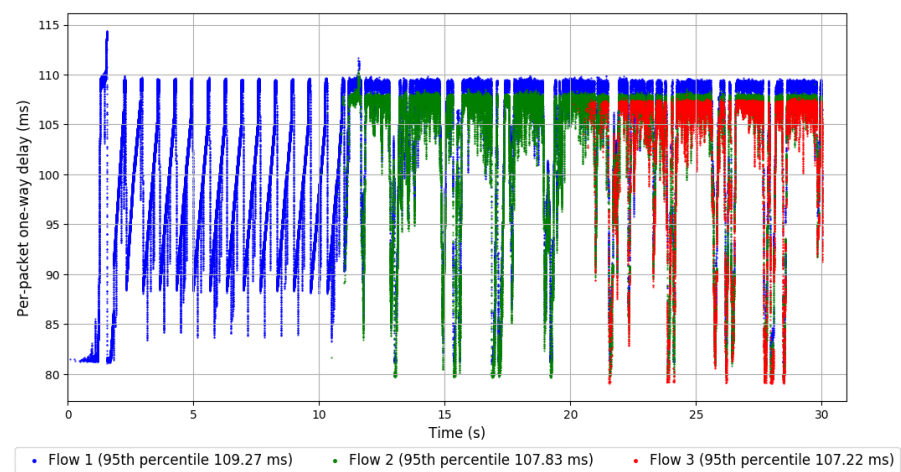
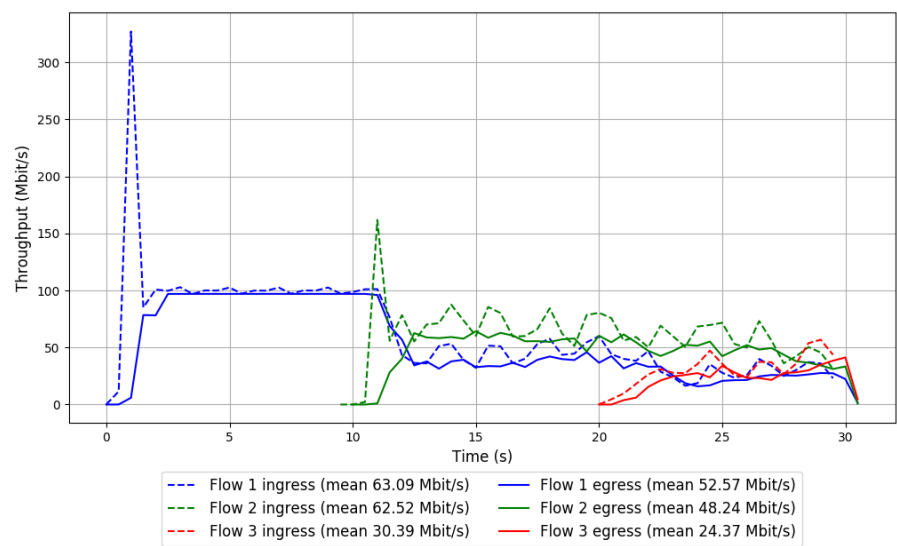


Run 7: Statistics of FillP

Start at: 2018-07-10 06:00:46
End at: 2018-07-10 06:01:16
Local clock offset: -0.126 ms
Remote clock offset: 21.286 ms

Below is generated by plot.py at 2018-07-10 07:18:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 109.155 ms
Loss rate: 19.18%
-- Flow 1:
Average throughput: 52.57 Mbit/s
95th percentile per-packet one-way delay: 109.265 ms
Loss rate: 16.64%
-- Flow 2:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 107.826 ms
Loss rate: 22.85%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 107.217 ms
Loss rate: 19.95%

Run 7: Report of FillP — Data Link

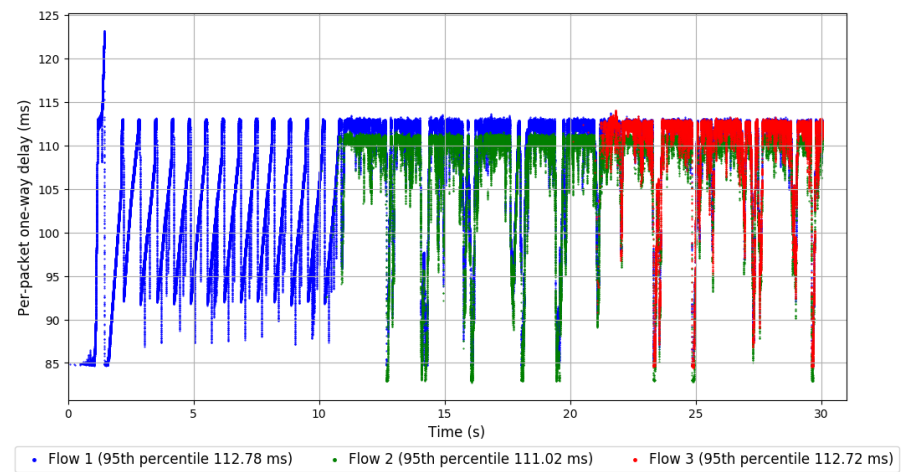
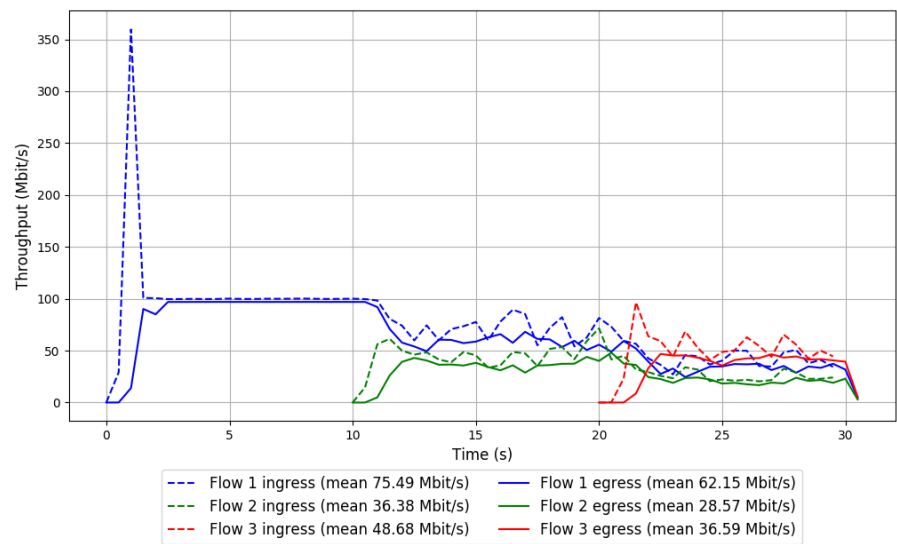


Run 8: Statistics of FillP

Start at: 2018-07-10 06:21:52
End at: 2018-07-10 06:22:22
Local clock offset: -0.001 ms
Remote clock offset: 29.729 ms

Below is generated by plot.py at 2018-07-10 07:18:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 112.722 ms
Loss rate: 19.41%
-- Flow 1:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 112.776 ms
Loss rate: 17.60%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 111.022 ms
Loss rate: 21.45%
-- Flow 3:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 112.722 ms
Loss rate: 24.82%

Run 8: Report of FillP — Data Link

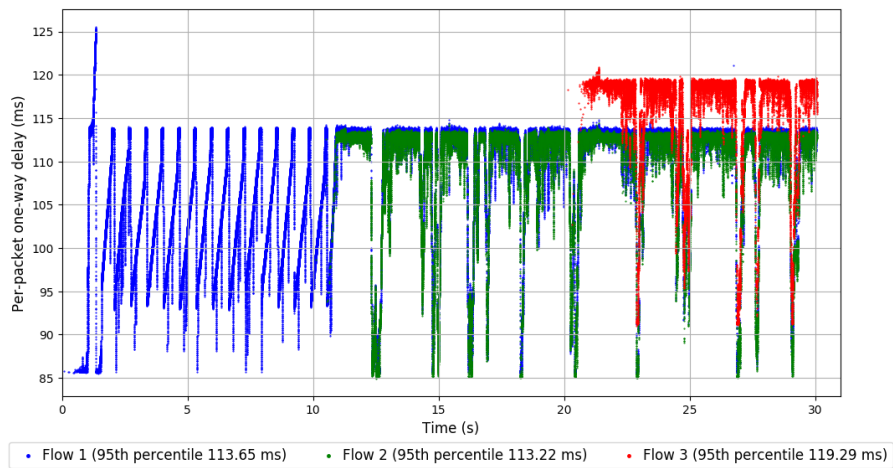
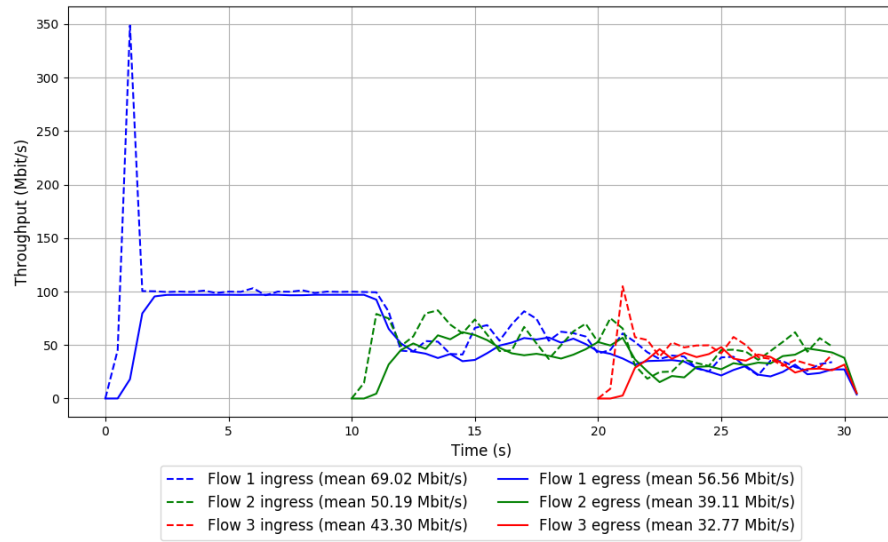


Run 9: Statistics of FillP

Start at: 2018-07-10 06:43:04
End at: 2018-07-10 06:43:34
Local clock offset: -0.038 ms
Remote clock offset: 36.152 ms

Below is generated by plot.py at 2018-07-10 07:19:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 118.757 ms
Loss rate: 19.92%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 113.650 ms
Loss rate: 17.99%
-- Flow 2:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 113.219 ms
Loss rate: 22.01%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 119.290 ms
Loss rate: 24.35%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-10 07:04:14

End at: 2018-07-10 07:04:44

Local clock offset: -0.14 ms

Remote clock offset: 2.142 ms

Below is generated by plot.py at 2018-07-10 07:19:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.15 Mbit/s

95th percentile per-packet one-way delay: 109.699 ms

Loss rate: 21.09%

-- Flow 1:

Average throughput: 57.34 Mbit/s

95th percentile per-packet one-way delay: 107.465 ms

Loss rate: 18.47%

-- Flow 2:

Average throughput: 36.58 Mbit/s

95th percentile per-packet one-way delay: 109.913 ms

Loss rate: 25.48%

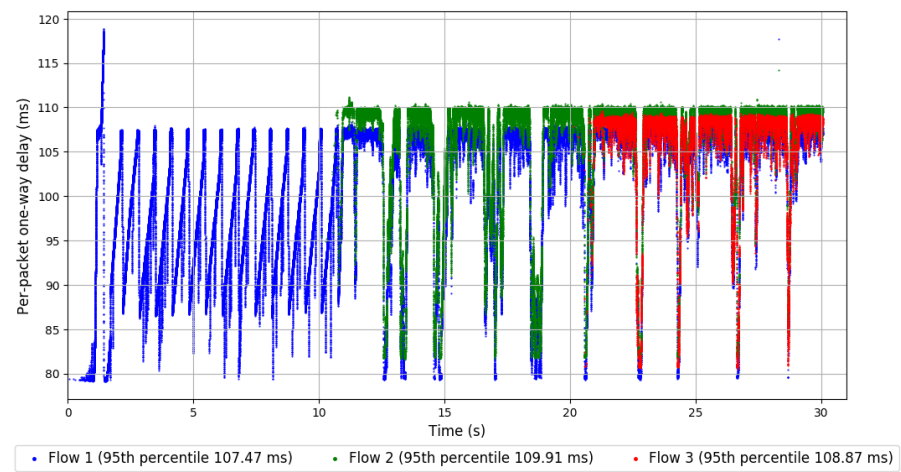
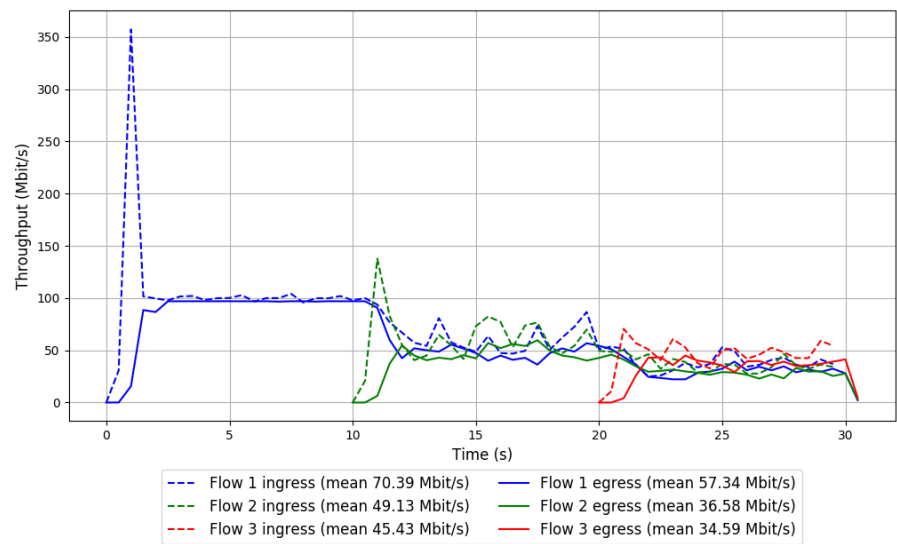
-- Flow 3:

Average throughput: 34.59 Mbit/s

95th percentile per-packet one-way delay: 108.866 ms

Loss rate: 23.86%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 03:49:54

End at: 2018-07-10 03:50:24

Local clock offset: -0.594 ms

Remote clock offset: 2.495 ms

Below is generated by plot.py at 2018-07-10 07:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.43 Mbit/s

95th percentile per-packet one-way delay: 112.935 ms

Loss rate: 21.67%

-- Flow 1:

Average throughput: 55.84 Mbit/s

95th percentile per-packet one-way delay: 113.038 ms

Loss rate: 15.78%

-- Flow 2:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 107.530 ms

Loss rate: 28.38%

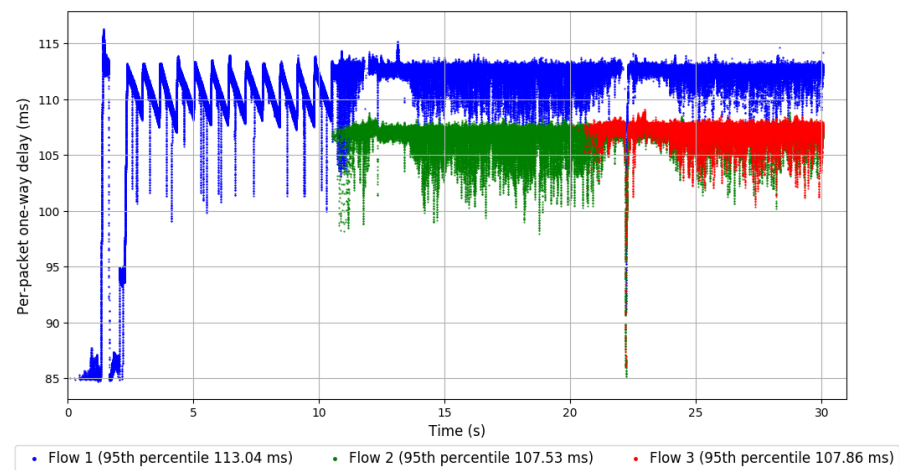
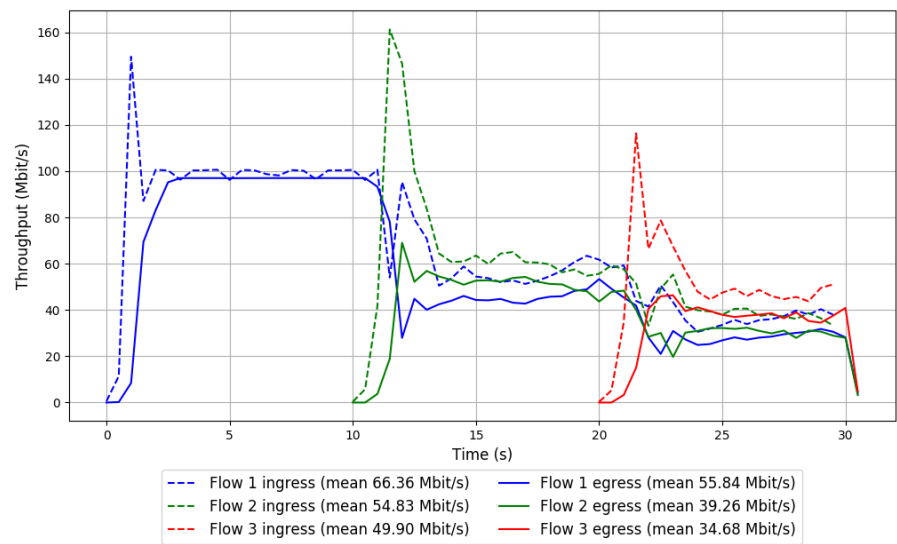
-- Flow 3:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 107.862 ms

Loss rate: 30.50%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 04:11:05

End at: 2018-07-10 04:11:35

Local clock offset: -0.64 ms

Remote clock offset: 8.752 ms

Below is generated by plot.py at 2018-07-10 07:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 115.124 ms

Loss rate: 16.34%

-- Flow 1:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 113.655 ms

Loss rate: 13.11%

-- Flow 2:

Average throughput: 28.10 Mbit/s

95th percentile per-packet one-way delay: 115.348 ms

Loss rate: 21.71%

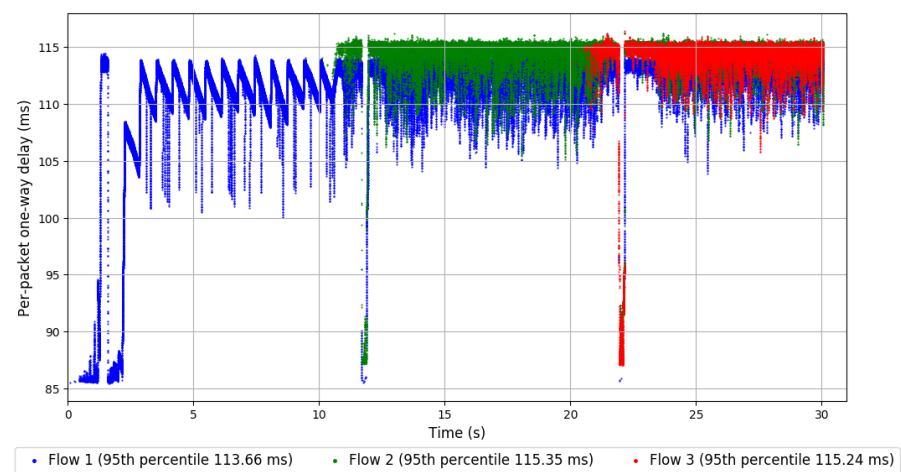
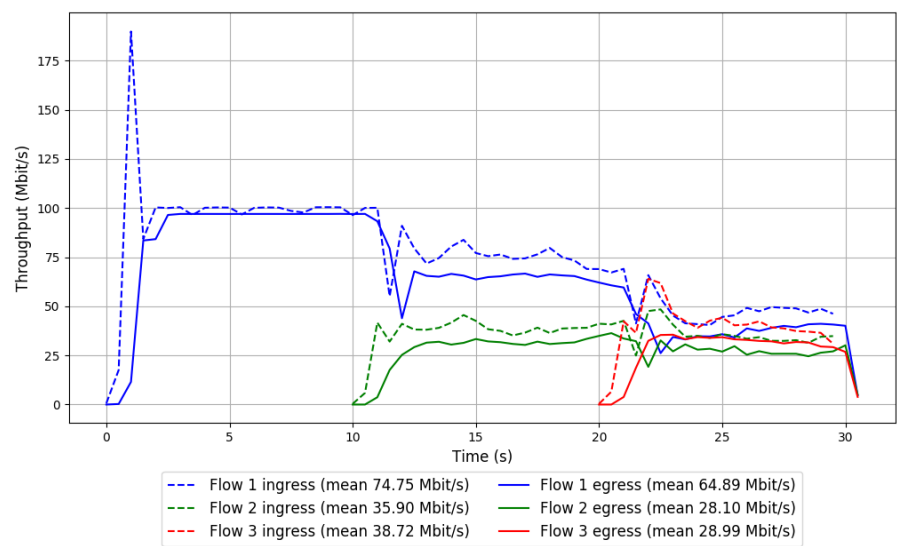
-- Flow 3:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 115.238 ms

Loss rate: 25.11%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 04:32:15

End at: 2018-07-10 04:32:45

Local clock offset: -0.583 ms

Remote clock offset: 8.082 ms

Below is generated by plot.py at 2018-07-10 07:19:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 118.025 ms

Loss rate: 22.58%

-- Flow 1:

Average throughput: 60.12 Mbit/s

95th percentile per-packet one-way delay: 112.769 ms

Loss rate: 16.09%

-- Flow 2:

Average throughput: 33.44 Mbit/s

95th percentile per-packet one-way delay: 112.881 ms

Loss rate: 30.20%

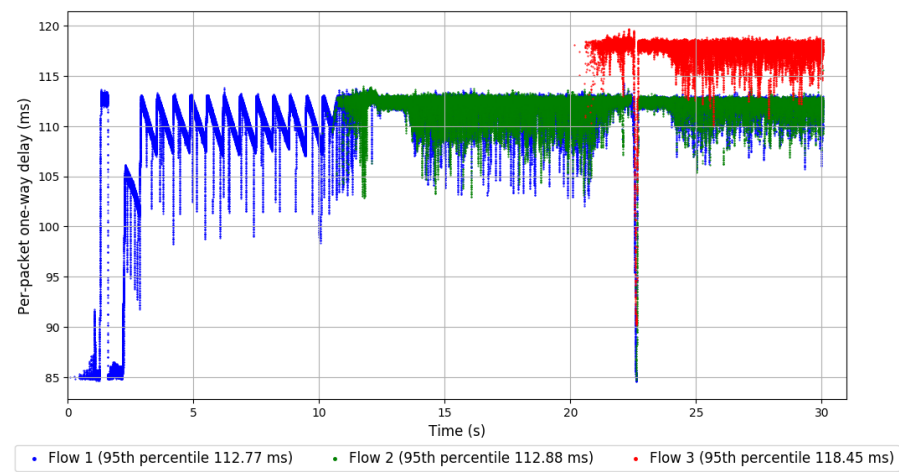
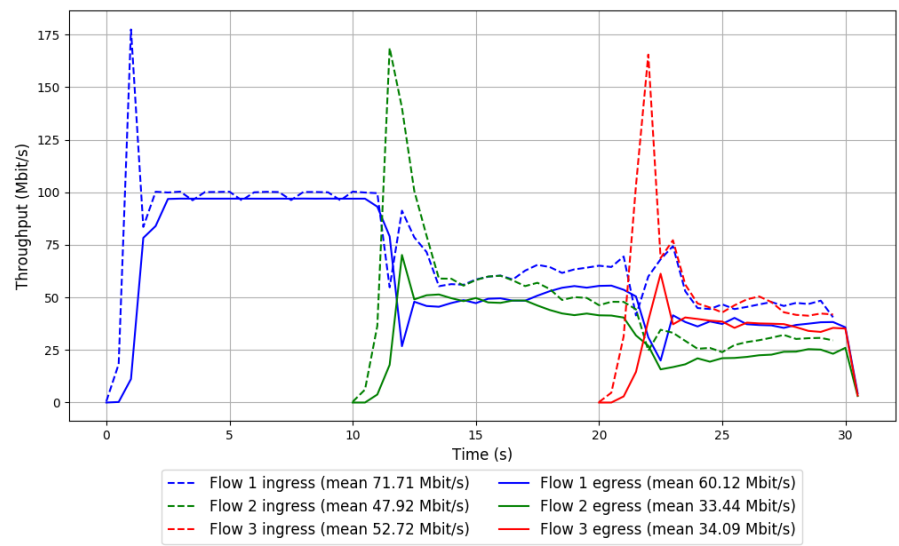
-- Flow 3:

Average throughput: 34.09 Mbit/s

95th percentile per-packet one-way delay: 118.455 ms

Loss rate: 35.36%

Run 3: Report of FillP-Sheep — Data Link

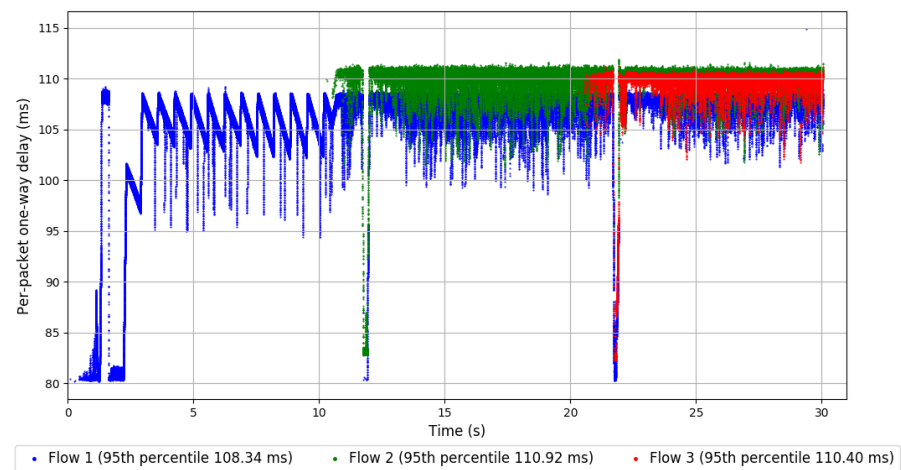
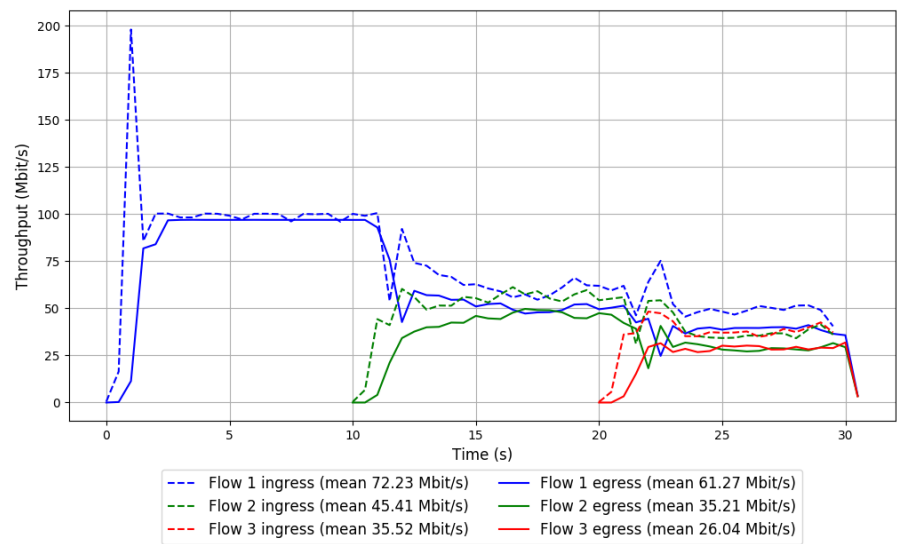


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 04:53:26
End at: 2018-07-10 04:53:56
Local clock offset: -0.575 ms
Remote clock offset: 11.412 ms

Below is generated by plot.py at 2018-07-10 07:19:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 110.697 ms
Loss rate: 18.24%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 108.342 ms
Loss rate: 15.10%
-- Flow 2:
Average throughput: 35.21 Mbit/s
95th percentile per-packet one-way delay: 110.921 ms
Loss rate: 22.45%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 110.396 ms
Loss rate: 26.70%

Run 4: Report of FillP-Sheep — Data Link

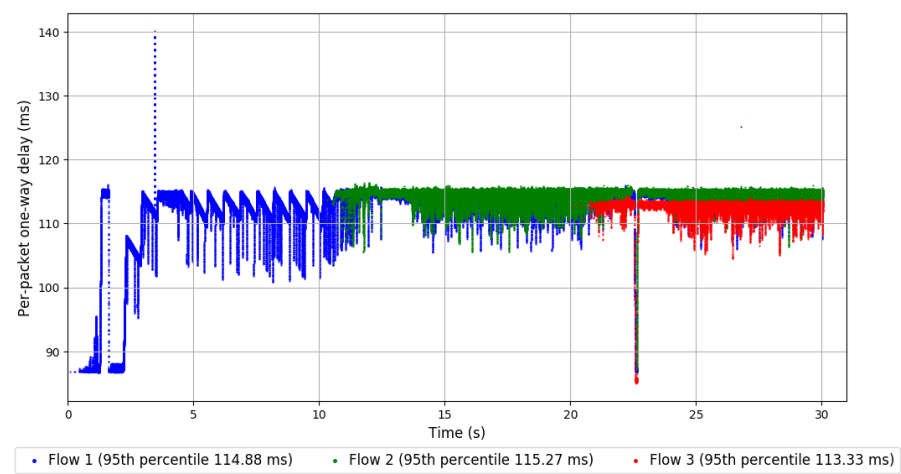
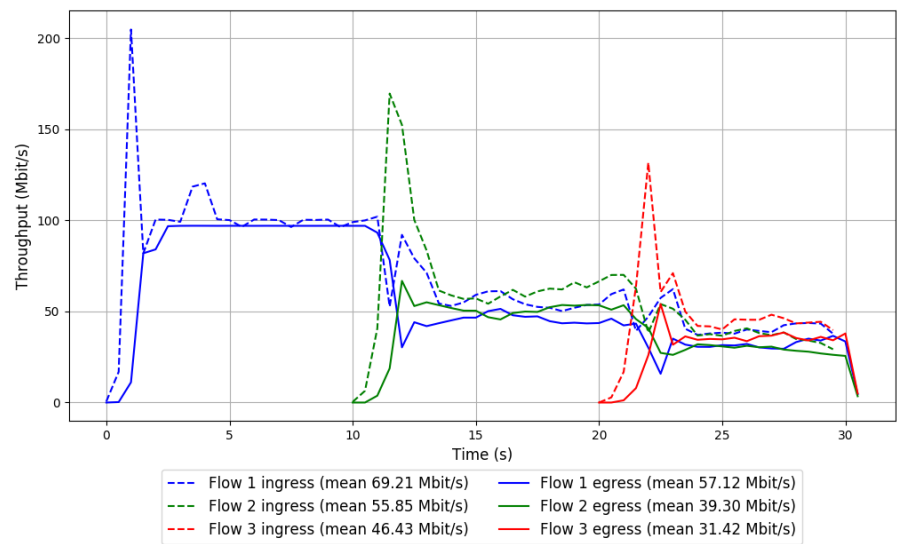


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 05:14:38
End at: 2018-07-10 05:15:08
Local clock offset: -0.515 ms
Remote clock offset: 16.346 ms

Below is generated by plot.py at 2018-07-10 07:19:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 115.113 ms
Loss rate: 23.02%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 114.877 ms
Loss rate: 17.39%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 115.269 ms
Loss rate: 29.64%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 113.333 ms
Loss rate: 32.33%

Run 5: Report of FillP-Sheep — Data Link

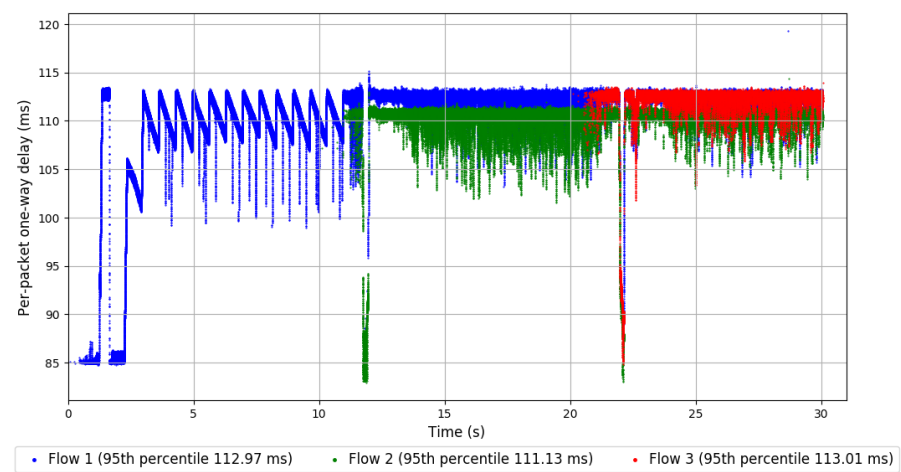
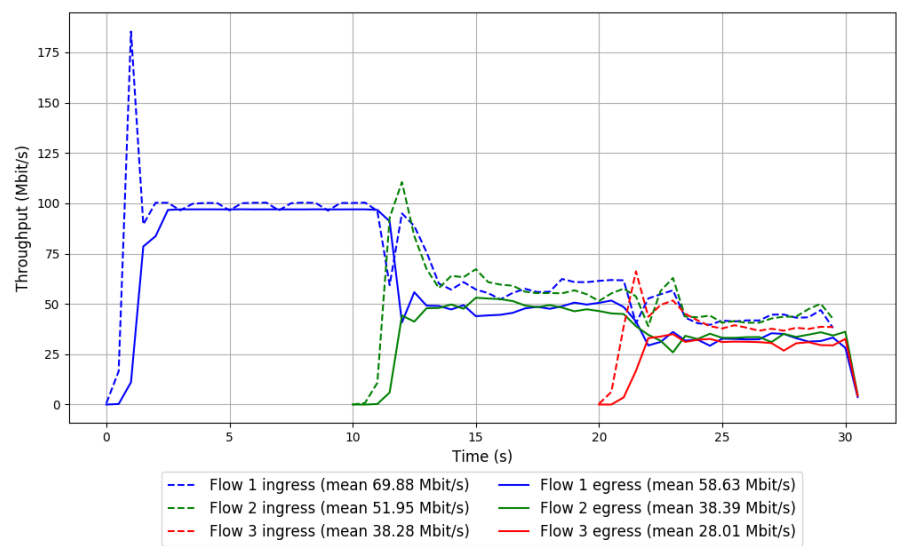


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 05:35:51
End at: 2018-07-10 05:36:21
Local clock offset: -0.312 ms
Remote clock offset: 14.475 ms

Below is generated by plot.py at 2018-07-10 07:19:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 112.926 ms
Loss rate: 20.17%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 112.968 ms
Loss rate: 16.04%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 111.130 ms
Loss rate: 26.09%
-- Flow 3:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 113.011 ms
Loss rate: 26.82%

Run 6: Report of FillP-Sheep — Data Link

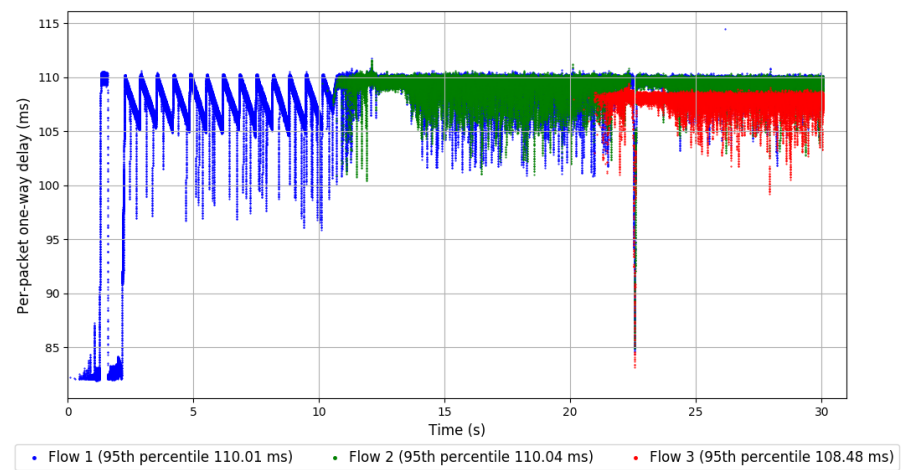
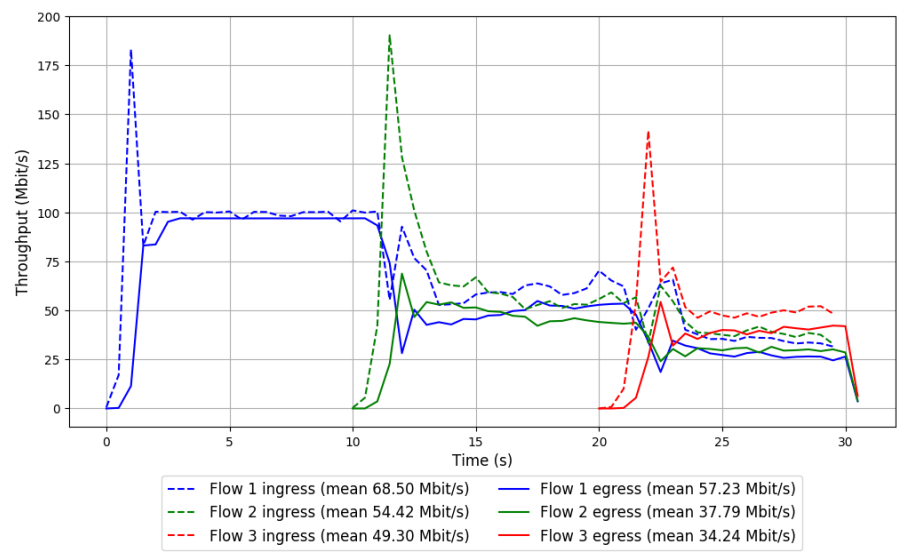


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 05:57:05
End at: 2018-07-10 05:57:35
Local clock offset: -0.202 ms
Remote clock offset: 21.473 ms

Below is generated by plot.py at 2018-07-10 07:20:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 110.005 ms
Loss rate: 22.53%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 110.014 ms
Loss rate: 16.38%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 110.038 ms
Loss rate: 30.55%
-- Flow 3:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 108.480 ms
Loss rate: 30.55%

Run 7: Report of FillP-Sheep — Data Link

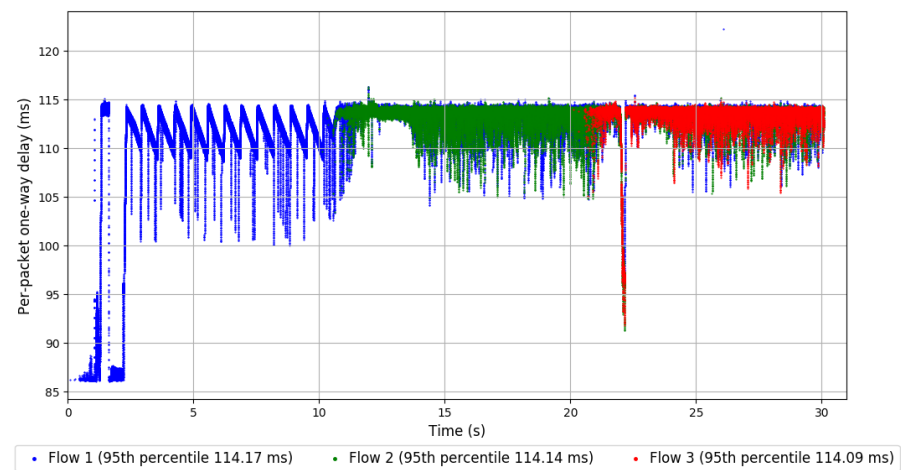
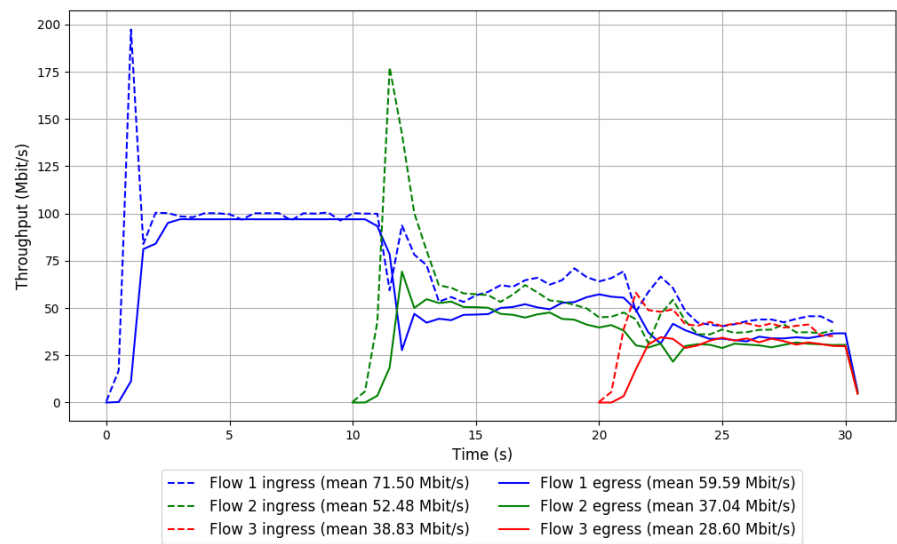


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 06:18:10
End at: 2018-07-10 06:18:40
Local clock offset: -0.018 ms
Remote clock offset: 30.288 ms

Below is generated by plot.py at 2018-07-10 07:20:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 114.152 ms
Loss rate: 21.39%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 114.165 ms
Loss rate: 16.59%
-- Flow 2:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 114.135 ms
Loss rate: 29.40%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 114.091 ms
Loss rate: 26.34%

Run 8: Report of FillP-Sheep — Data Link

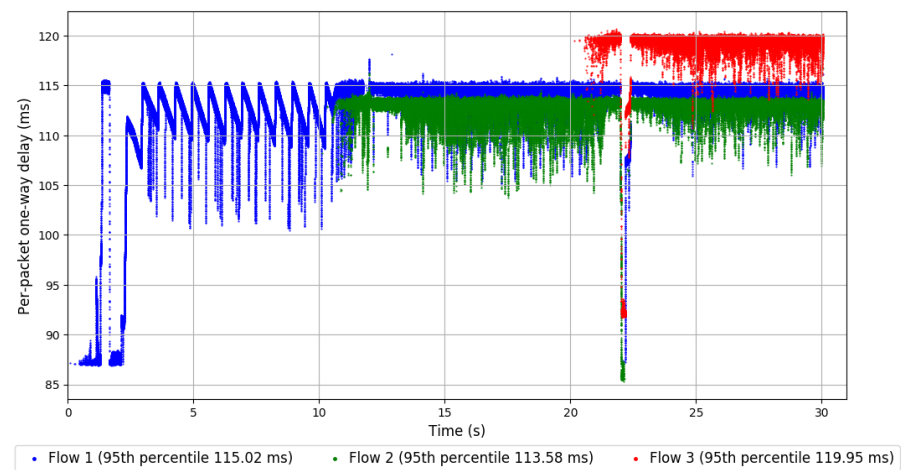
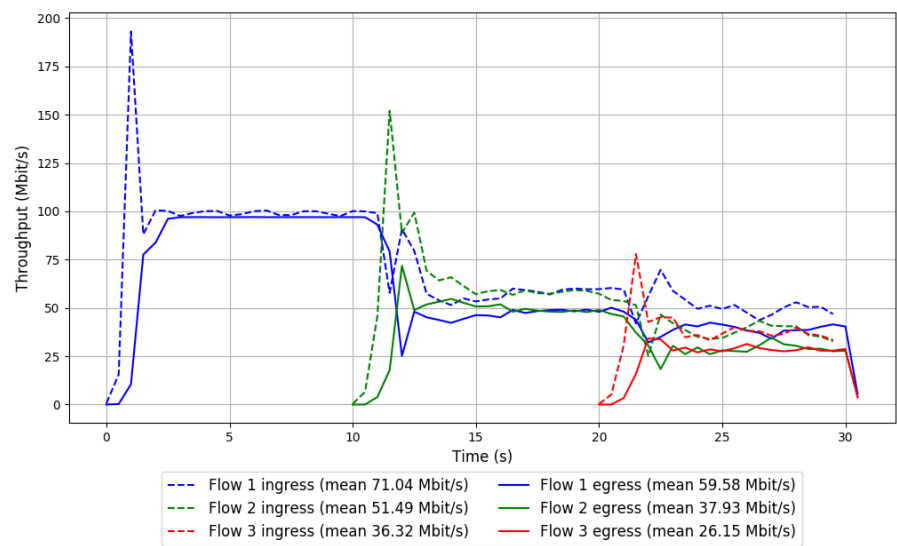


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 06:39:22
End at: 2018-07-10 06:39:52
Local clock offset: -0.031 ms
Remote clock offset: 34.456 ms

Below is generated by plot.py at 2018-07-10 07:20:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 119.314 ms
Loss rate: 20.29%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 115.020 ms
Loss rate: 16.06%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 113.579 ms
Loss rate: 26.32%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 119.947 ms
Loss rate: 28.04%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 07:00:32

End at: 2018-07-10 07:01:02

Local clock offset: -0.123 ms

Remote clock offset: 9.068 ms

Below is generated by plot.py at 2018-07-10 07:20:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 113.408 ms

Loss rate: 18.49%

-- Flow 1:

Average throughput: 60.36 Mbit/s

95th percentile per-packet one-way delay: 113.479 ms

Loss rate: 14.37%

-- Flow 2:

Average throughput: 34.46 Mbit/s

95th percentile per-packet one-way delay: 111.632 ms

Loss rate: 24.93%

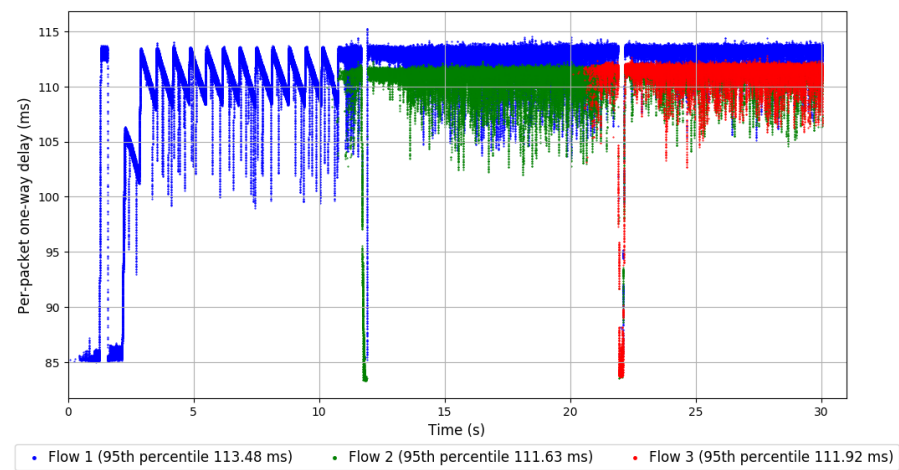
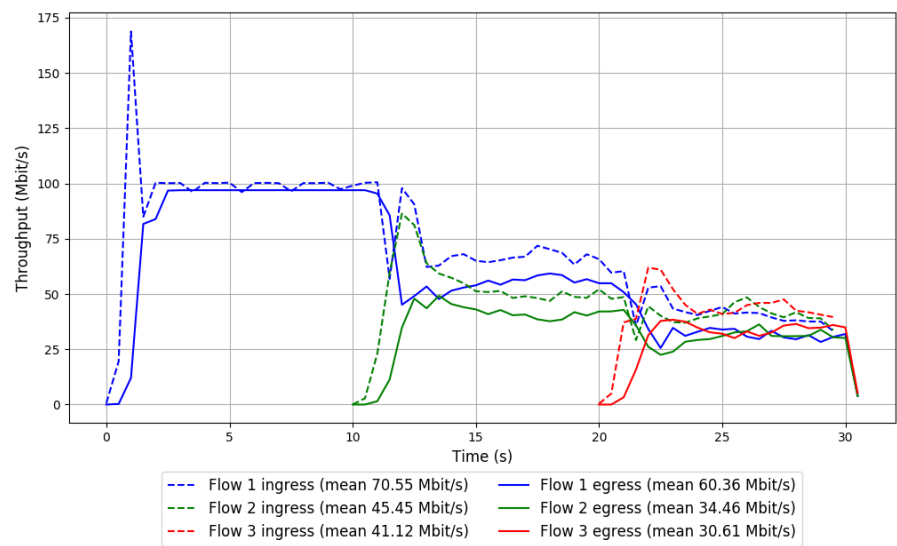
-- Flow 3:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 111.922 ms

Loss rate: 25.56%

Run 10: Report of FillP-Sheep — Data Link

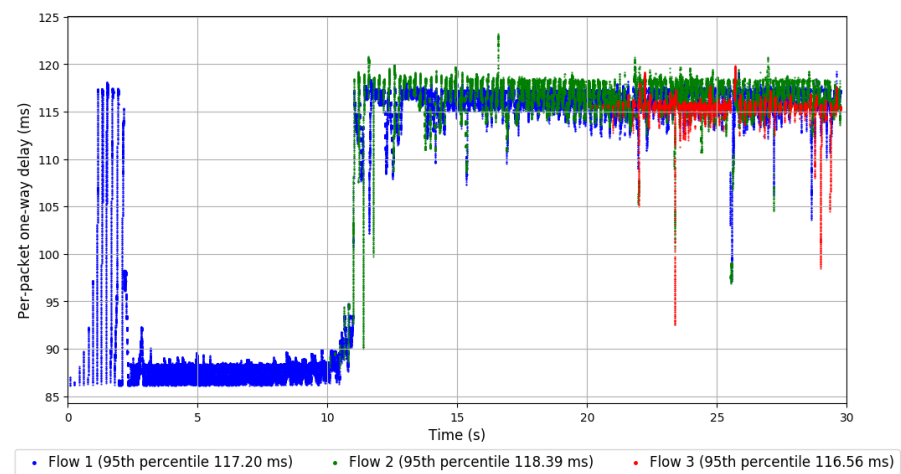
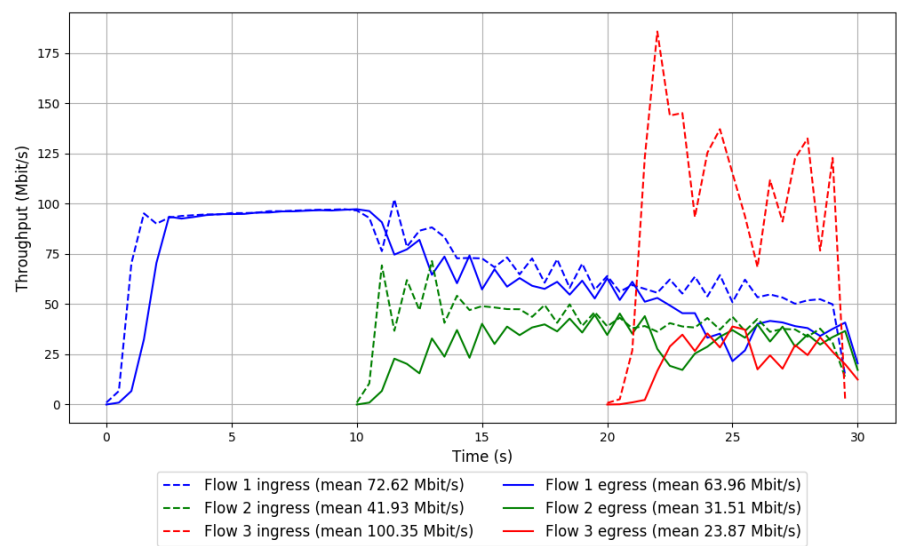


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 03:43:36
End at: 2018-07-10 03:44:06
Local clock offset: -0.597 ms
Remote clock offset: 7.704 ms

# Below is generated by plot.py at 2018-07-10 07:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 118.032 ms
Loss rate: 30.25%
-- Flow 1:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 117.199 ms
Loss rate: 11.84%
-- Flow 2:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 118.394 ms
Loss rate: 24.74%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 116.563 ms
Loss rate: 76.21%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-10 04:04:47

End at: 2018-07-10 04:05:17

Local clock offset: -0.586 ms

Remote clock offset: 3.769 ms

Below is generated by plot.py at 2018-07-10 07:20:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 116.201 ms

Loss rate: 14.77%

-- Flow 1:

Average throughput: 62.88 Mbit/s

95th percentile per-packet one-way delay: 111.551 ms

Loss rate: 10.02%

-- Flow 2:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 117.322 ms

Loss rate: 17.54%

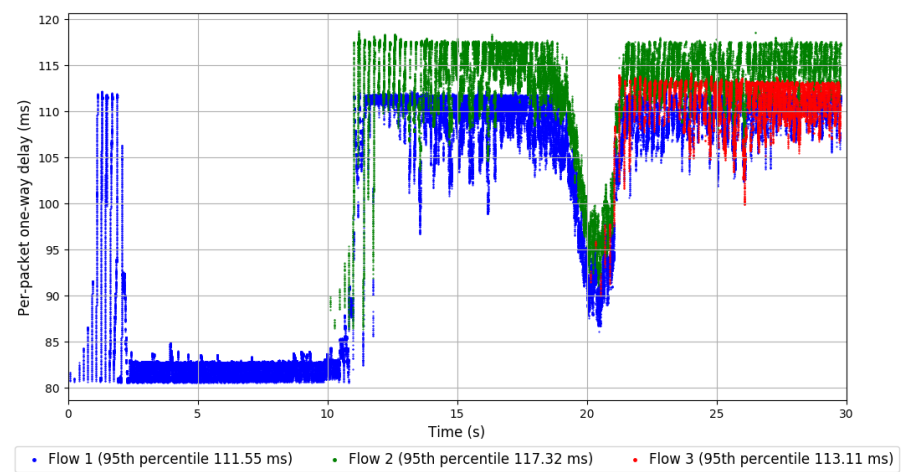
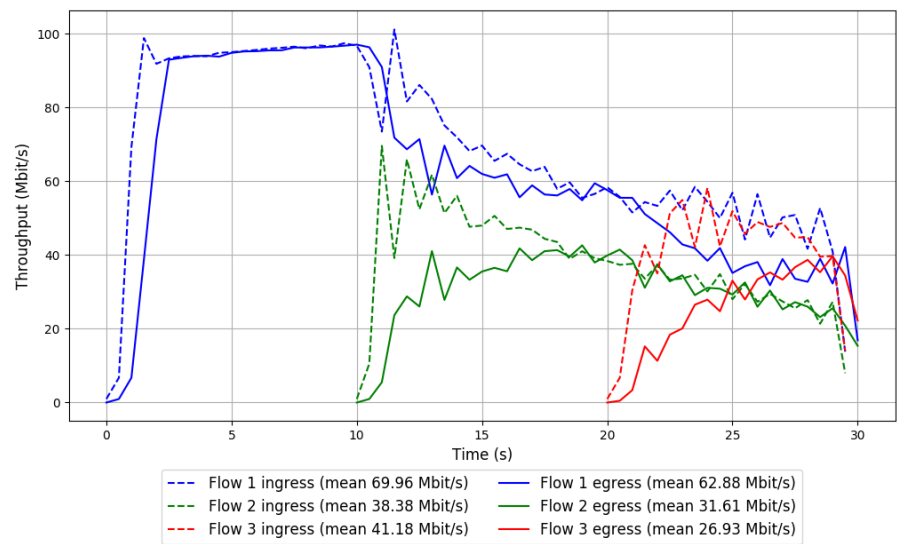
-- Flow 3:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 113.115 ms

Loss rate: 34.45%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 04:25:58

End at: 2018-07-10 04:26:28

Local clock offset: -0.63 ms

Remote clock offset: 2.738 ms

Below is generated by plot.py at 2018-07-10 07:20:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 116.166 ms

Loss rate: 12.49%

-- Flow 1:

Average throughput: 58.73 Mbit/s

95th percentile per-packet one-way delay: 110.357 ms

Loss rate: 8.49%

-- Flow 2:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 112.008 ms

Loss rate: 14.45%

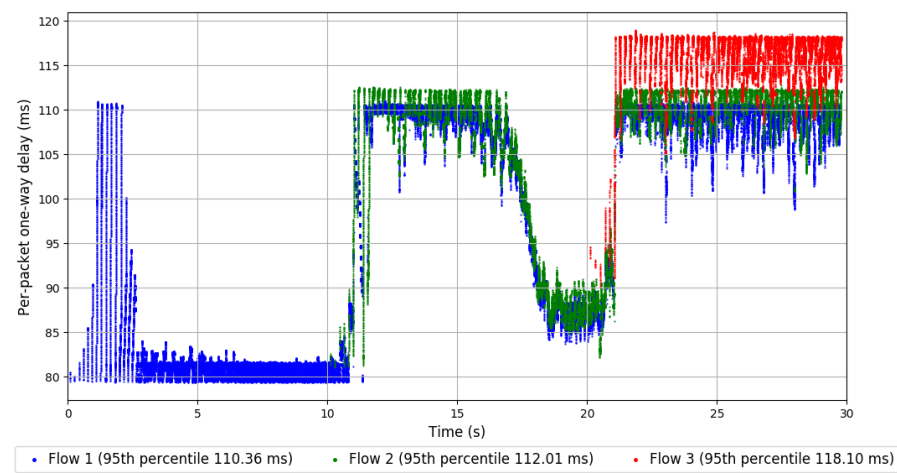
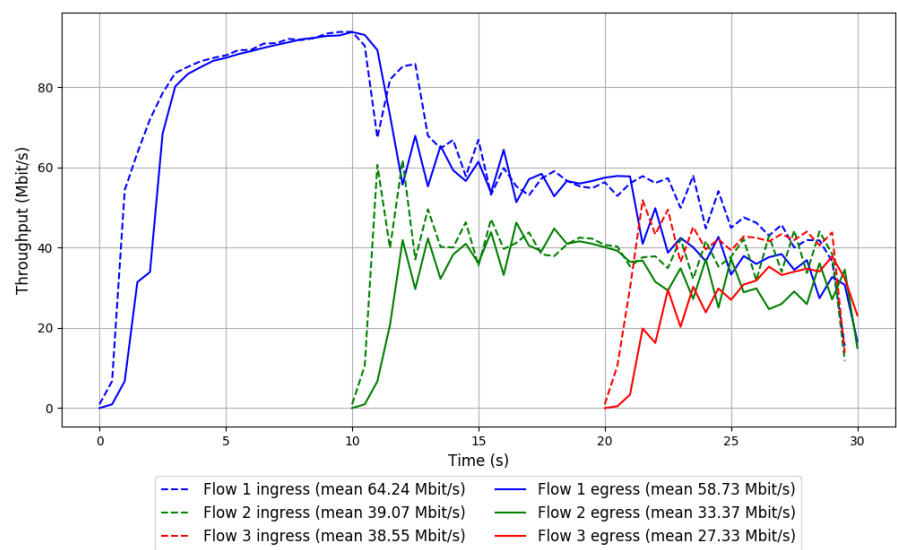
-- Flow 3:

Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 118.098 ms

Loss rate: 28.96%

Run 3: Report of Indigo — Data Link

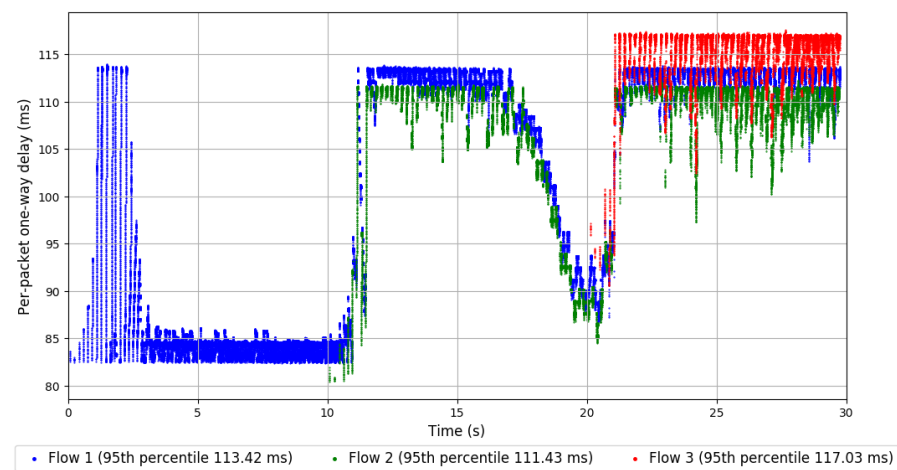
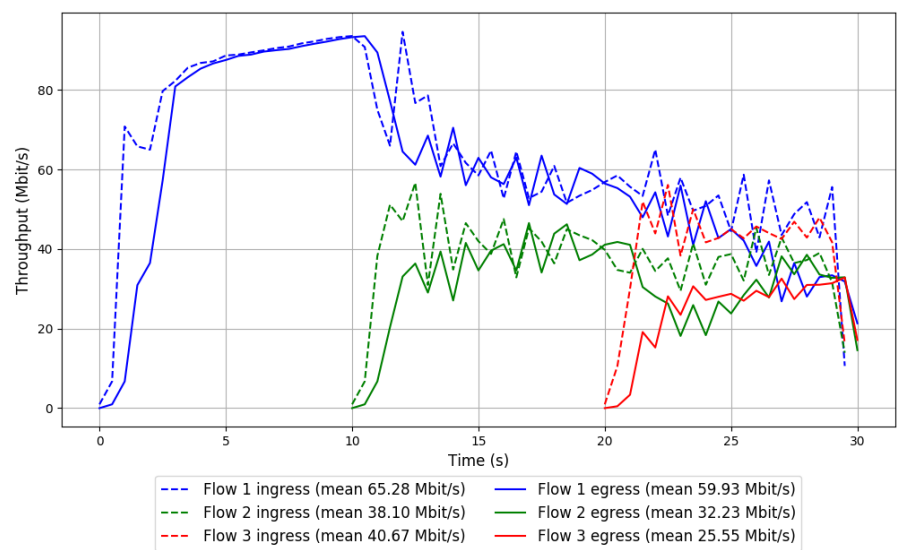


Run 4: Statistics of Indigo

Start at: 2018-07-10 04:47:07
End at: 2018-07-10 04:47:37
Local clock offset: -0.631 ms
Remote clock offset: 10.476 ms

Below is generated by plot.py at 2018-07-10 07:20:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 115.581 ms
Loss rate: 13.53%
-- Flow 1:
Average throughput: 59.93 Mbit/s
95th percentile per-packet one-way delay: 113.419 ms
Loss rate: 8.11%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 111.431 ms
Loss rate: 15.28%
-- Flow 3:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 117.030 ms
Loss rate: 37.05%

Run 4: Report of Indigo — Data Link

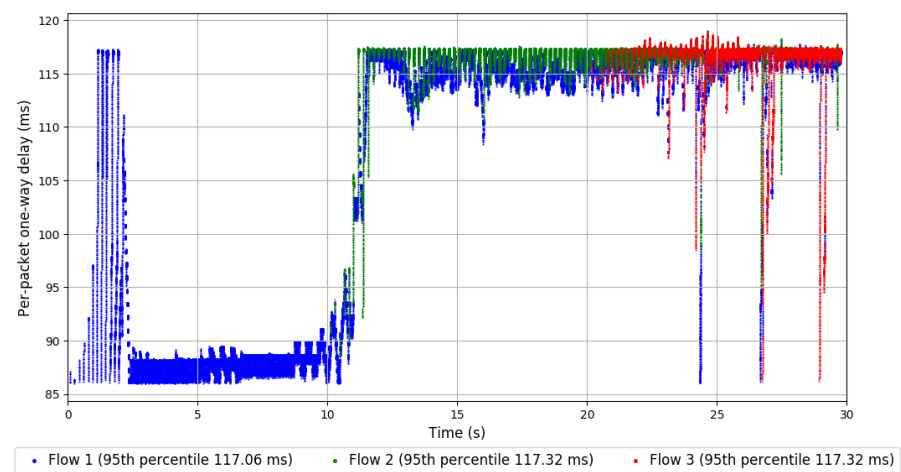
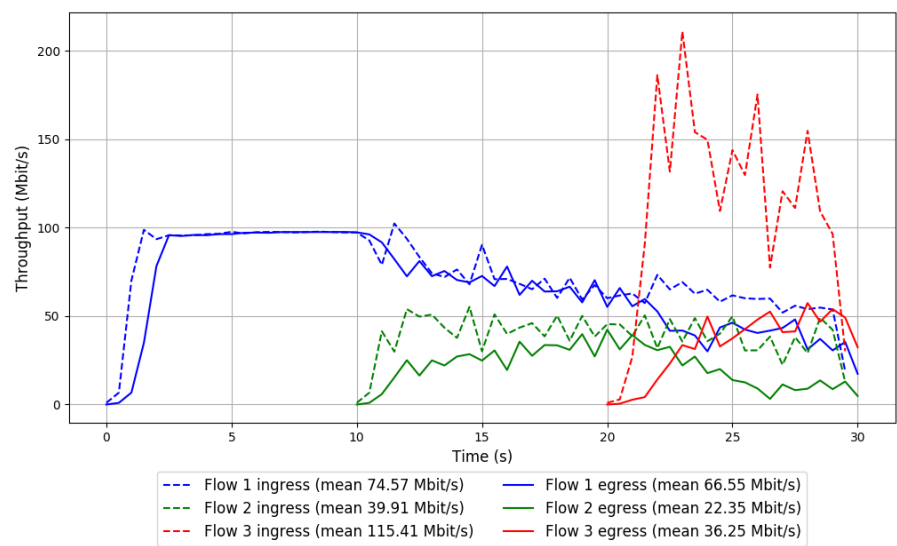


Run 5: Statistics of Indigo

Start at: 2018-07-10 05:08:18
End at: 2018-07-10 05:08:48
Local clock offset: -0.649 ms
Remote clock offset: 15.835 ms

Below is generated by plot.py at 2018-07-10 07:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 117.210 ms
Loss rate: 32.62%
-- Flow 1:
Average throughput: 66.55 Mbit/s
95th percentile per-packet one-way delay: 117.059 ms
Loss rate: 10.67%
-- Flow 2:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 117.316 ms
Loss rate: 43.91%
-- Flow 3:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 117.316 ms
Loss rate: 68.59%

Run 5: Report of Indigo — Data Link

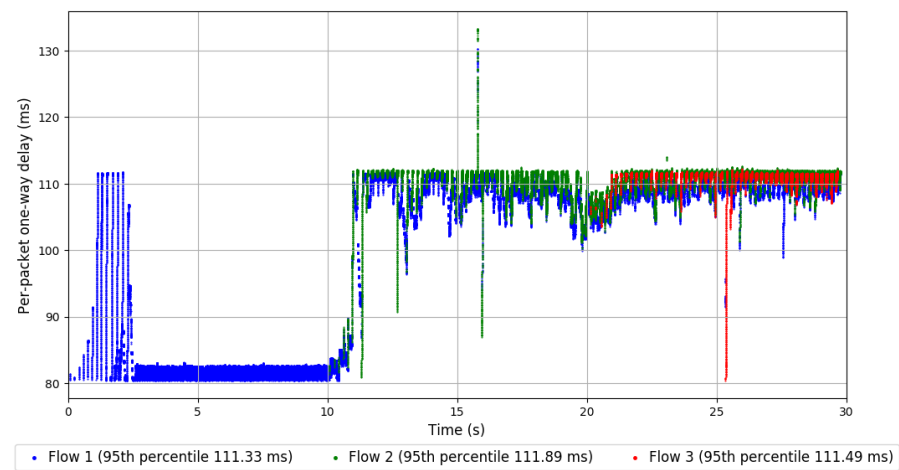
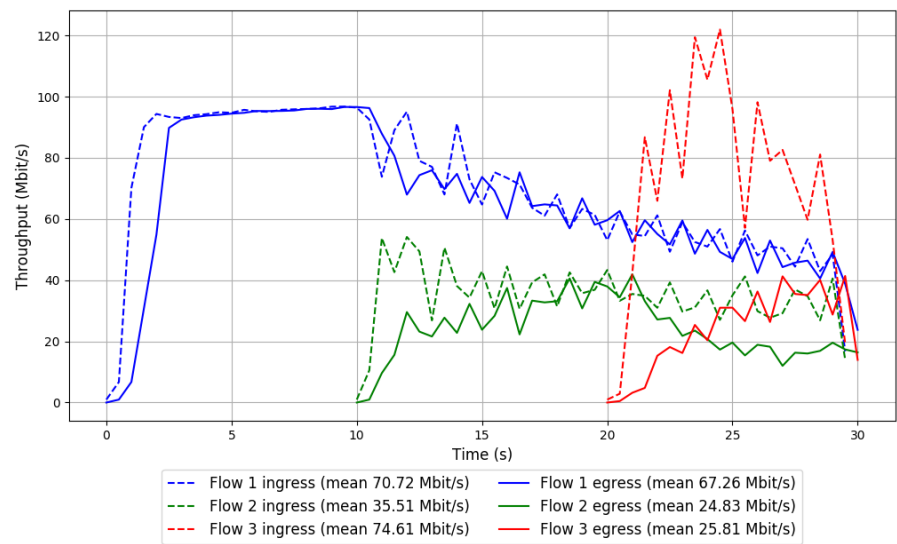


Run 6: Statistics of Indigo

Start at: 2018-07-10 05:29:33
End at: 2018-07-10 05:30:03
Local clock offset: -0.378 ms
Remote clock offset: 11.536 ms

Below is generated by plot.py at 2018-07-10 07:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 111.682 ms
Loss rate: 22.07%
-- Flow 1:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: 111.330 ms
Loss rate: 4.80%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 111.894 ms
Loss rate: 29.99%
-- Flow 3:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 111.486 ms
Loss rate: 65.38%

Run 6: Report of Indigo — Data Link

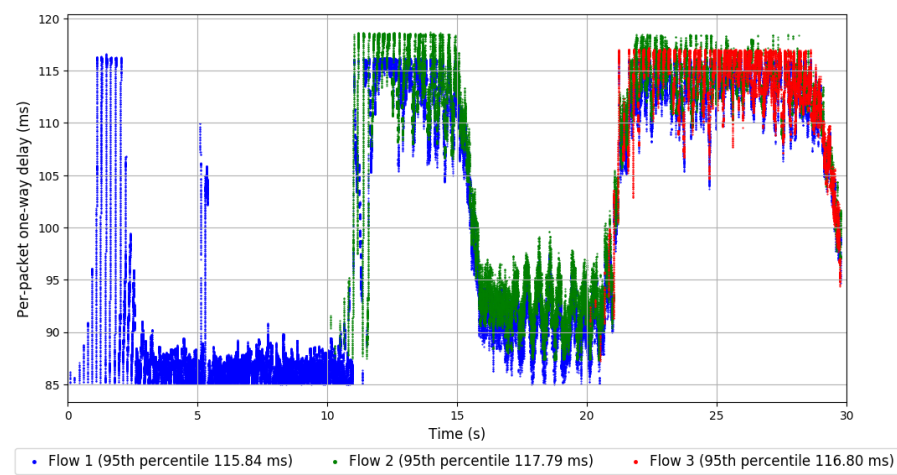
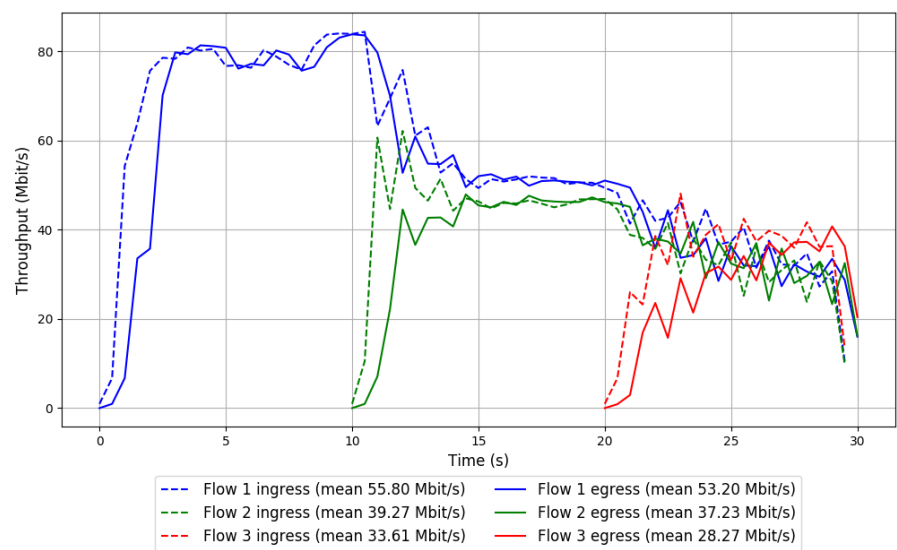


Run 7: Statistics of Indigo

Start at: 2018-07-10 05:50:45
End at: 2018-07-10 05:51:15
Local clock offset: -0.183 ms
Remote clock offset: 24.436 ms

Below is generated by plot.py at 2018-07-10 07:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 116.476 ms
Loss rate: 6.08%
-- Flow 1:
Average throughput: 53.20 Mbit/s
95th percentile per-packet one-way delay: 115.845 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 117.794 ms
Loss rate: 5.14%
-- Flow 3:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 116.804 ms
Loss rate: 15.82%

Run 7: Report of Indigo — Data Link

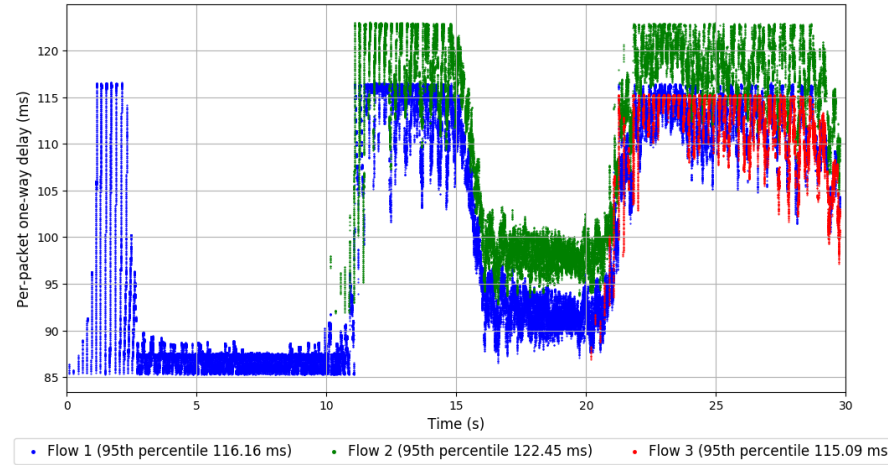
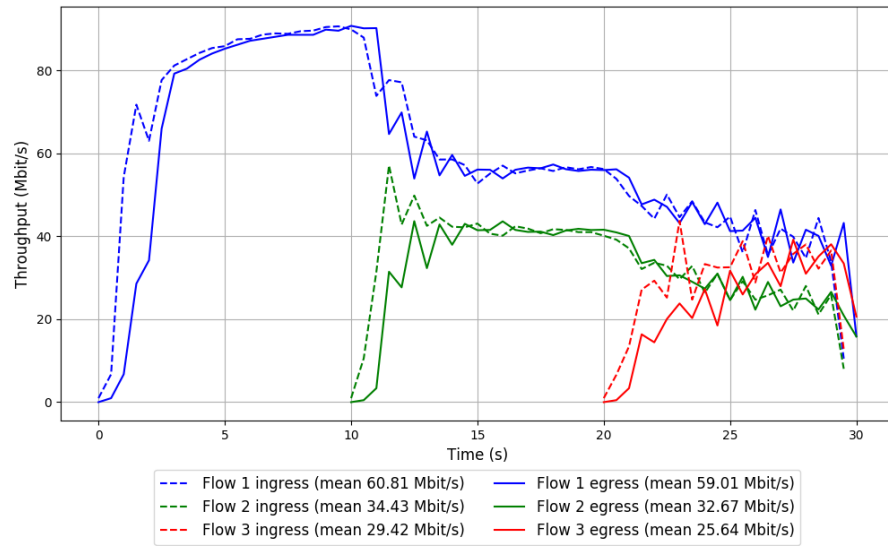


Run 8: Statistics of Indigo

Start at: 2018-07-10 06:11:53
End at: 2018-07-10 06:12:23
Local clock offset: -0.065 ms
Remote clock offset: 28.887 ms

Below is generated by plot.py at 2018-07-10 07:22:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.87 Mbit/s
95th percentile per-packet one-way delay: 119.809 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 116.163 ms
Loss rate: 2.89%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 122.454 ms
Loss rate: 5.06%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 115.087 ms
Loss rate: 12.72%

Run 8: Report of Indigo — Data Link

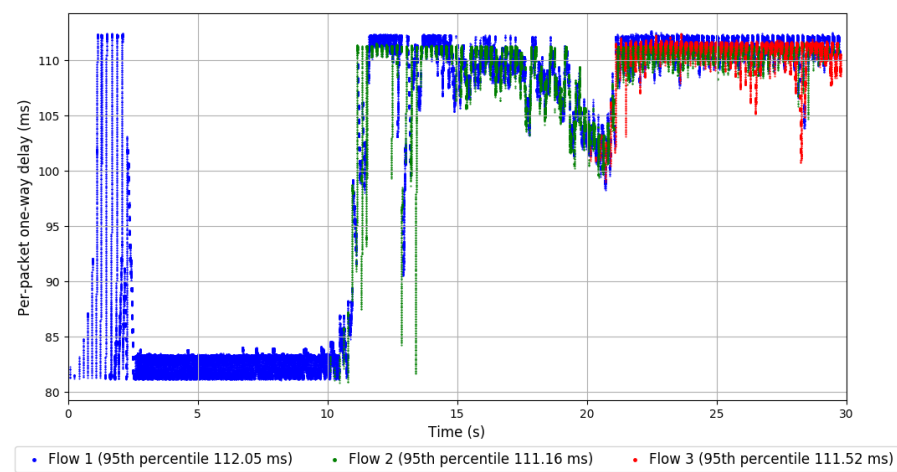
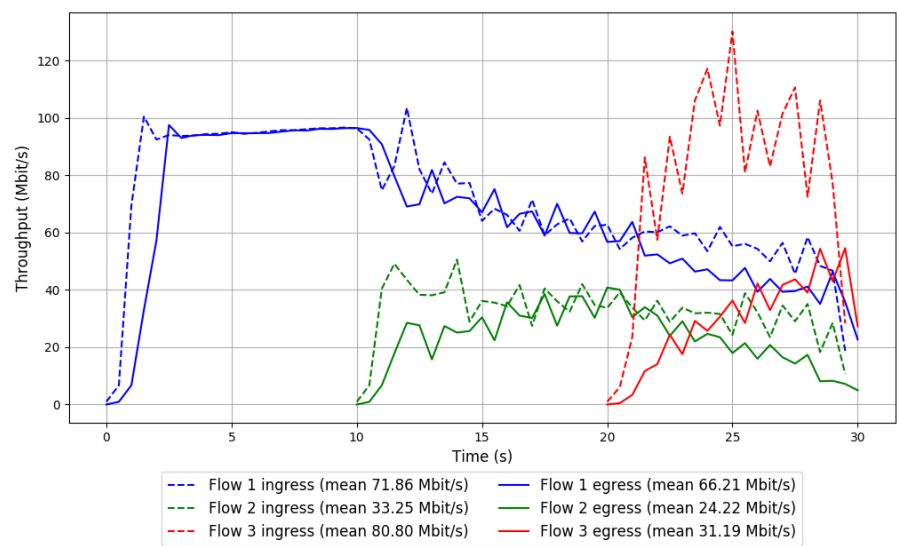


Run 9: Statistics of Indigo

Start at: 2018-07-10 06:33:02
End at: 2018-07-10 06:33:32
Local clock offset: -0.034 ms
Remote clock offset: 29.158 ms

Below is generated by plot.py at 2018-07-10 07:22:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 112.025 ms
Loss rate: 23.00%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 112.053 ms
Loss rate: 7.76%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 111.158 ms
Loss rate: 27.07%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 111.519 ms
Loss rate: 61.36%

Run 9: Report of Indigo — Data Link

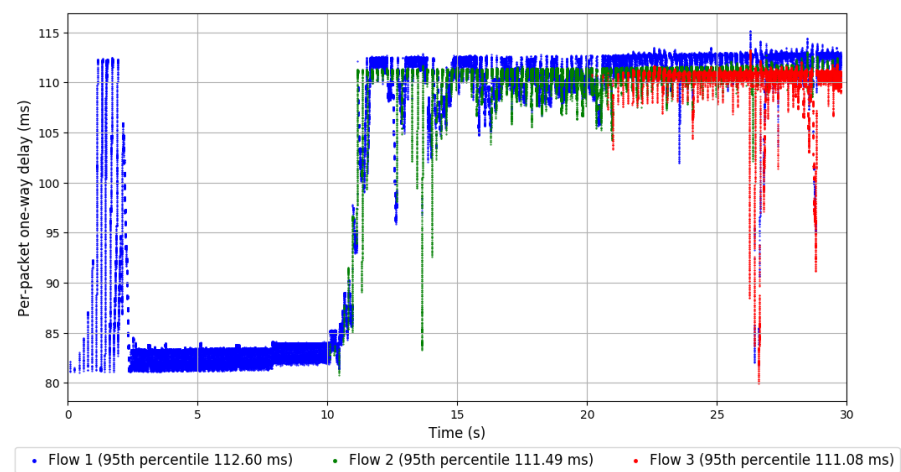
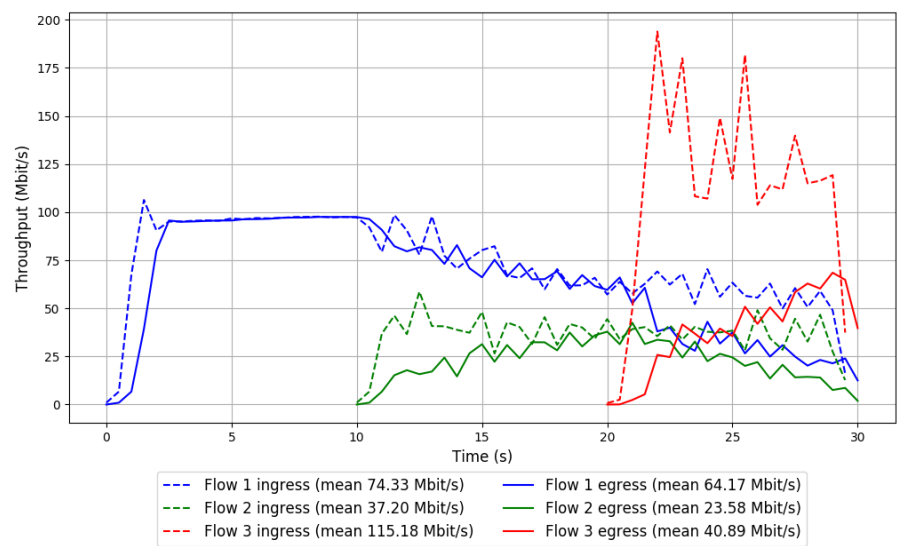


Run 10: Statistics of Indigo

Start at: 2018-07-10 06:54:14
End at: 2018-07-10 06:54:44
Local clock offset: -0.046 ms
Remote clock offset: 12.745 ms

Below is generated by plot.py at 2018-07-10 07:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 112.512 ms
Loss rate: 31.66%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 112.597 ms
Loss rate: 13.58%
-- Flow 2:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 111.487 ms
Loss rate: 36.52%
-- Flow 3:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 111.080 ms
Loss rate: 64.50%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-10 03:42:25

End at: 2018-07-10 03:42:55

Local clock offset: -0.66 ms

Remote clock offset: 3.811 ms

Below is generated by plot.py at 2018-07-10 07:22:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 84.173 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 82.506 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 84.414 ms

Loss rate: 0.00%

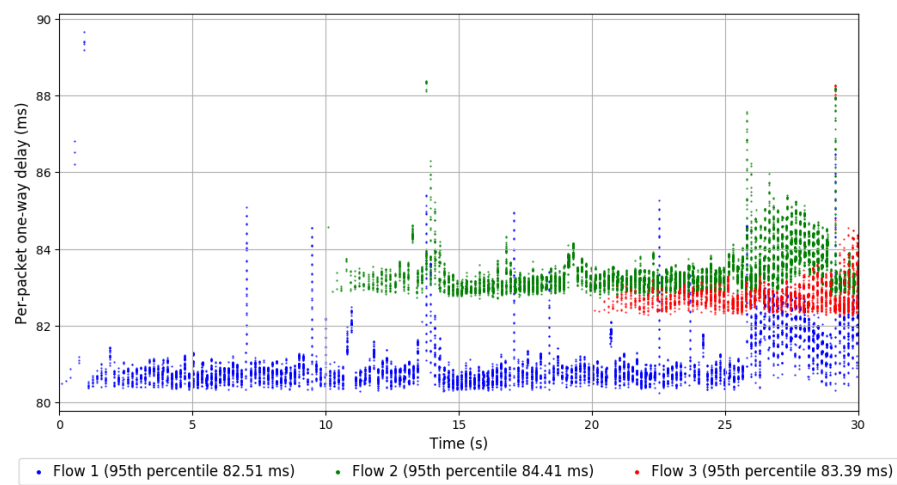
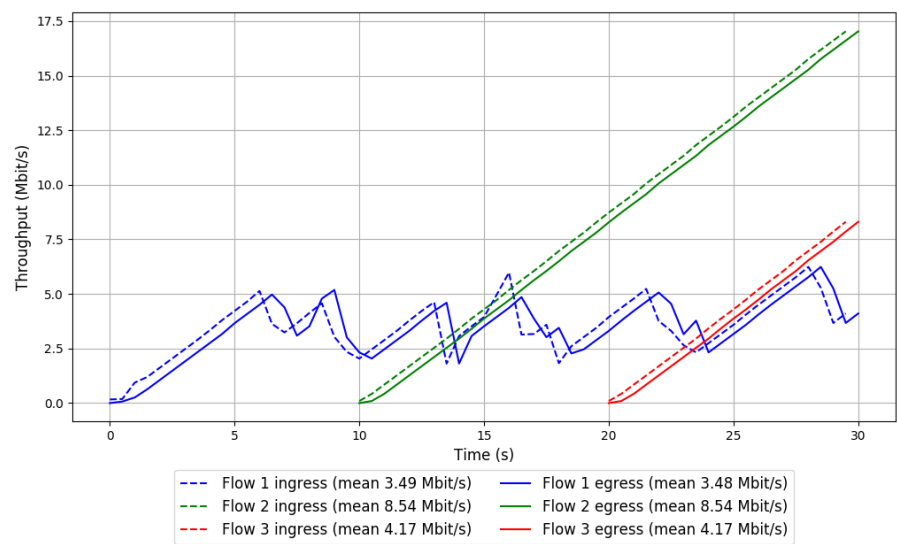
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 83.395 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

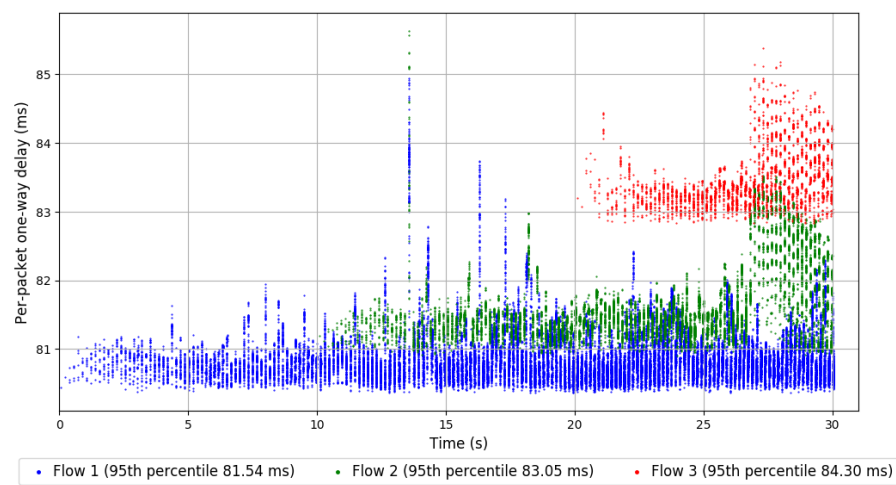
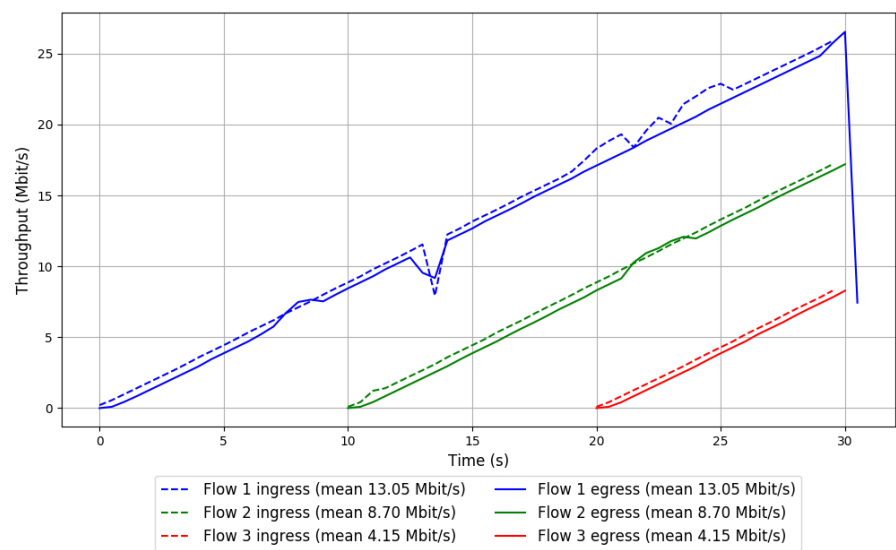


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-10 04:03:35
End at: 2018-07-10 04:04:05
Local clock offset: -0.681 ms
Remote clock offset: 3.826 ms

# Below is generated by plot.py at 2018-07-10 07:22:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 83.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 81.537 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 83.046 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 84.301 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-10 04:24:46

End at: 2018-07-10 04:25:16

Local clock offset: -0.582 ms

Remote clock offset: 2.527 ms

Below is generated by plot.py at 2018-07-10 07:22:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.93 Mbit/s

95th percentile per-packet one-way delay: 87.837 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 84.231 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 8.23 Mbit/s

95th percentile per-packet one-way delay: 88.799 ms

Loss rate: 0.16%

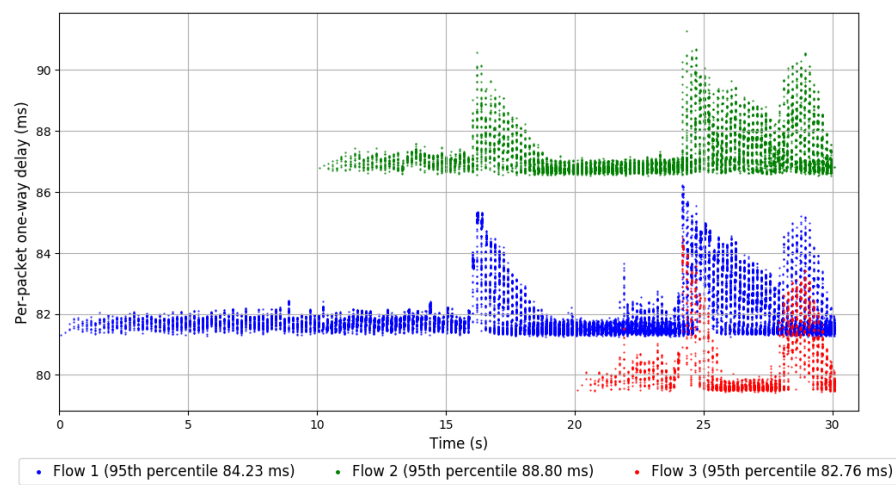
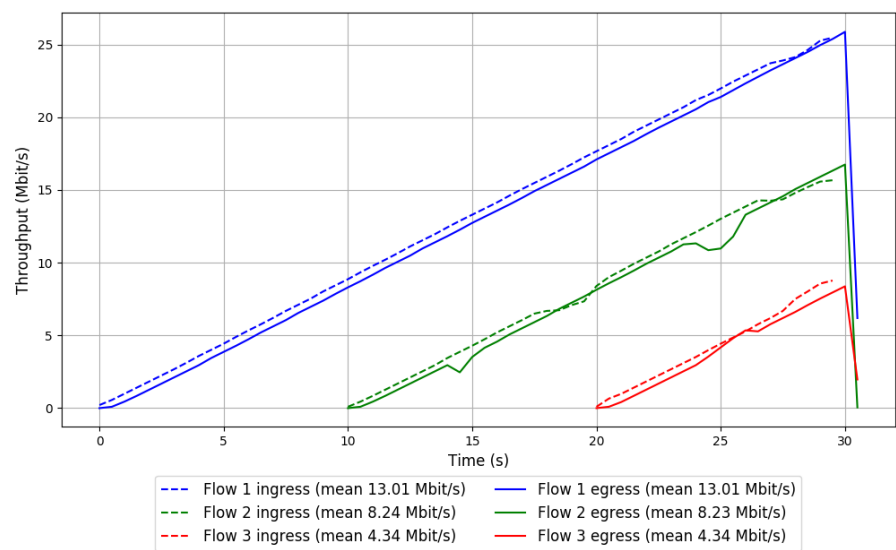
-- Flow 3:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 82.758 ms

Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link

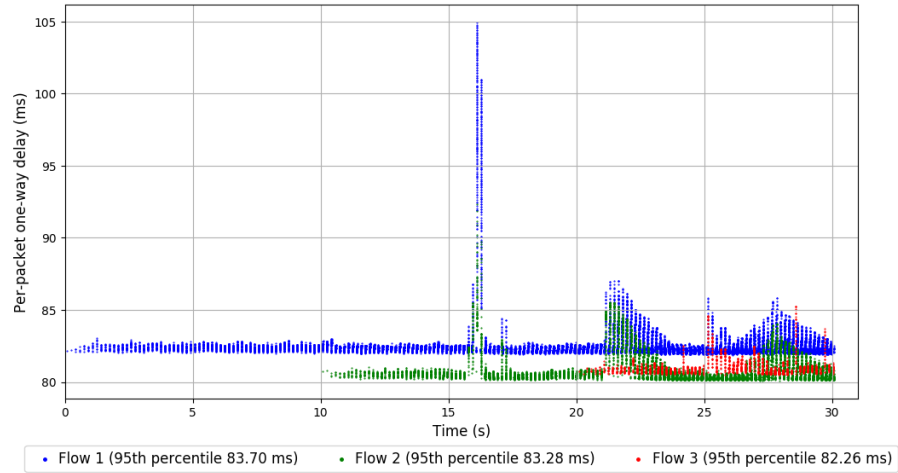
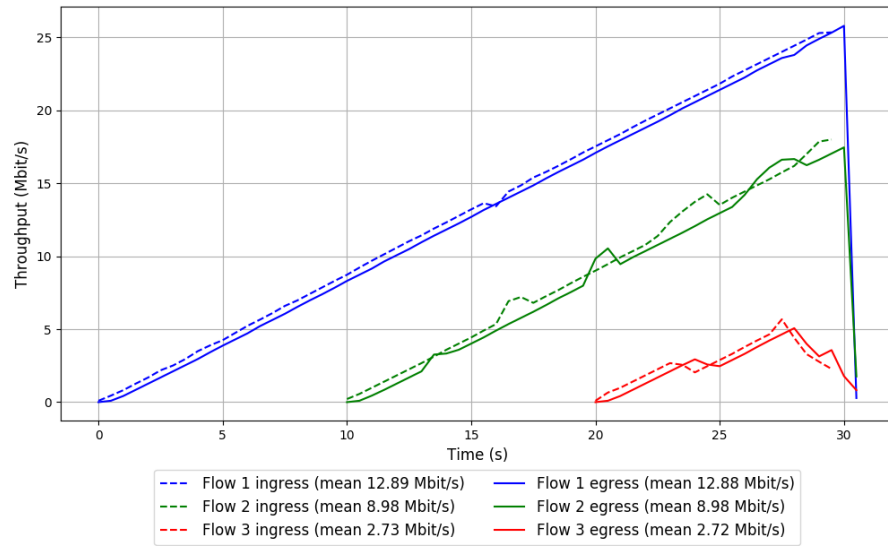


Run 4: Statistics of LEDBAT

Start at: 2018-07-10 04:45:55
End at: 2018-07-10 04:46:25
Local clock offset: -0.638 ms
Remote clock offset: 10.238 ms

Below is generated by plot.py at 2018-07-10 07:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 83.568 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 83.696 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 83.279 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 82.260 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-10 05:07:06

End at: 2018-07-10 05:07:36

Local clock offset: -0.596 ms

Remote clock offset: 11.17 ms

Below is generated by plot.py at 2018-07-10 07:22:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.57 Mbit/s

95th percentile per-packet one-way delay: 82.357 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 82.485 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 81.794 ms

Loss rate: 0.00%

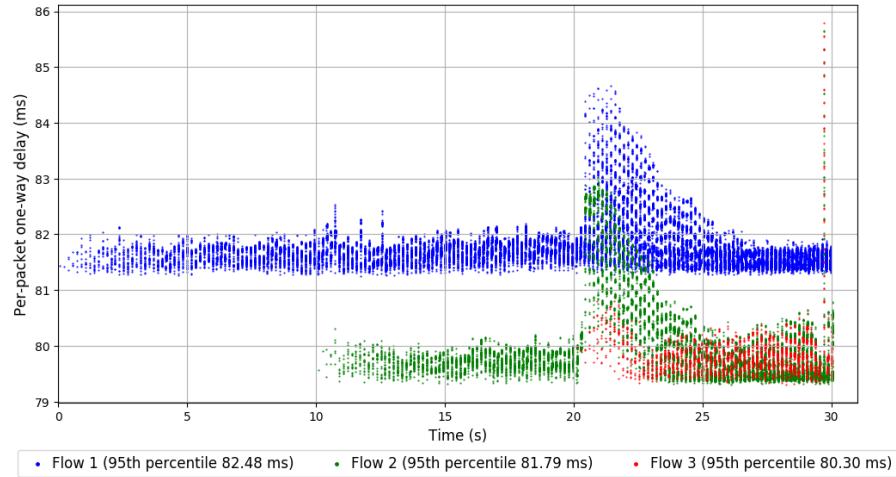
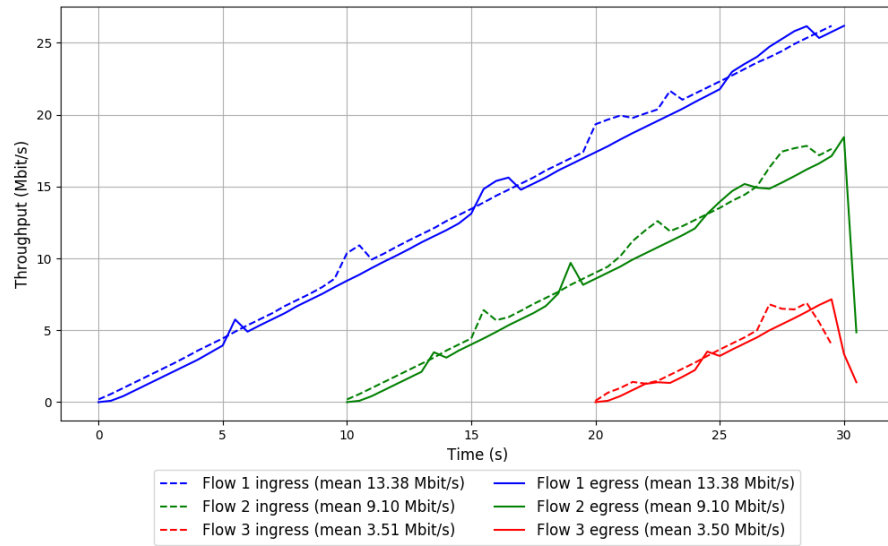
-- Flow 3:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 80.295 ms

Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

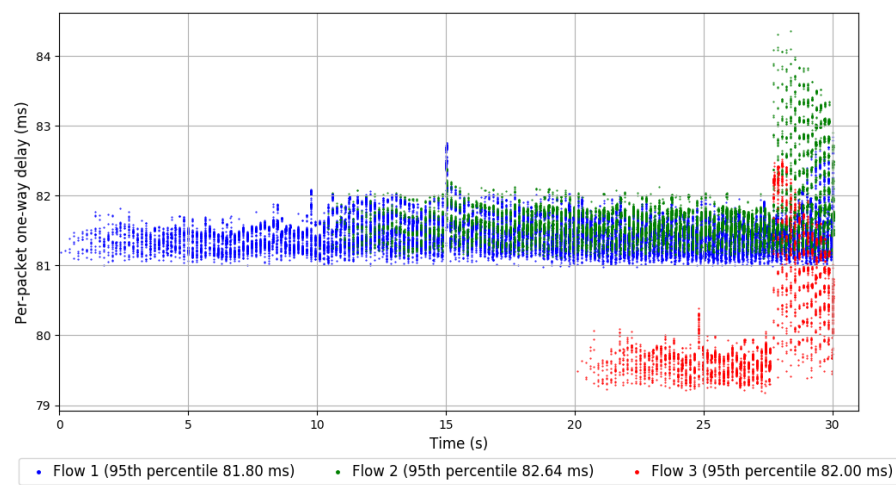
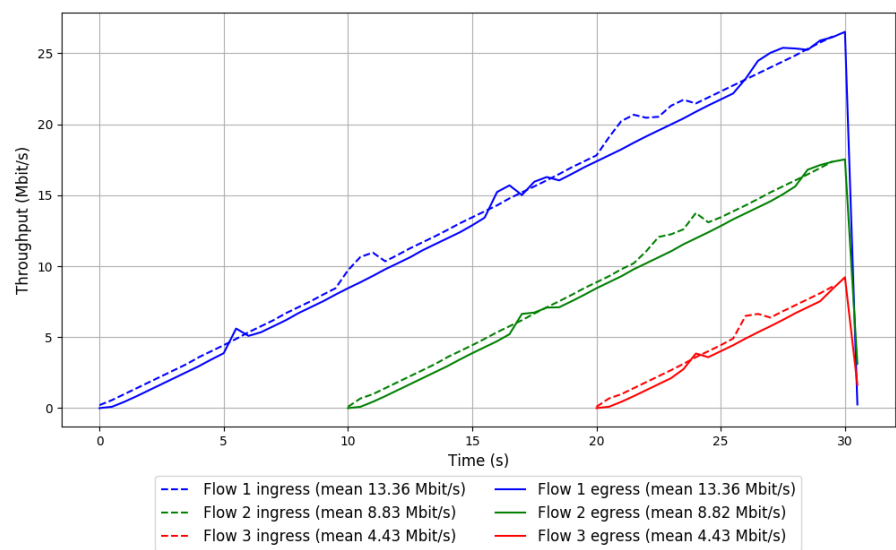


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 05:28:21
End at: 2018-07-10 05:28:51
Local clock offset: -0.449 ms
Remote clock offset: 10.392 ms

Below is generated by plot.py at 2018-07-10 07:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 81.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 81.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 82.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 82.001 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

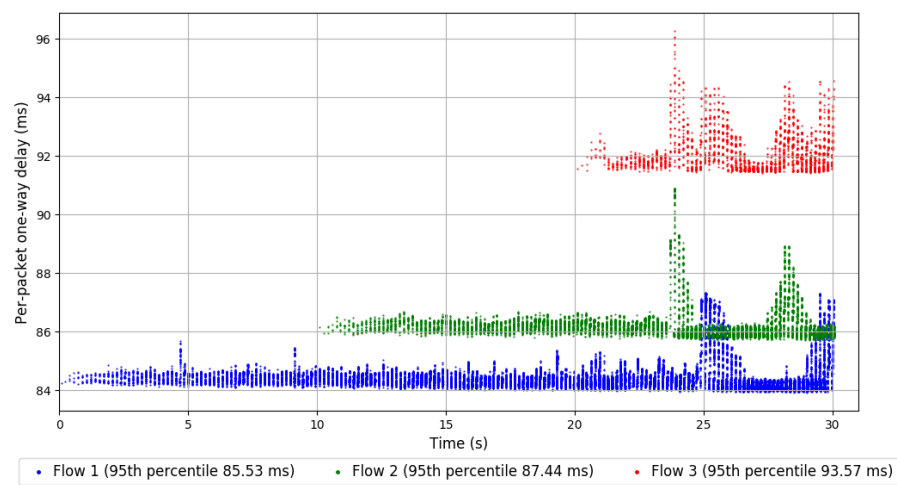
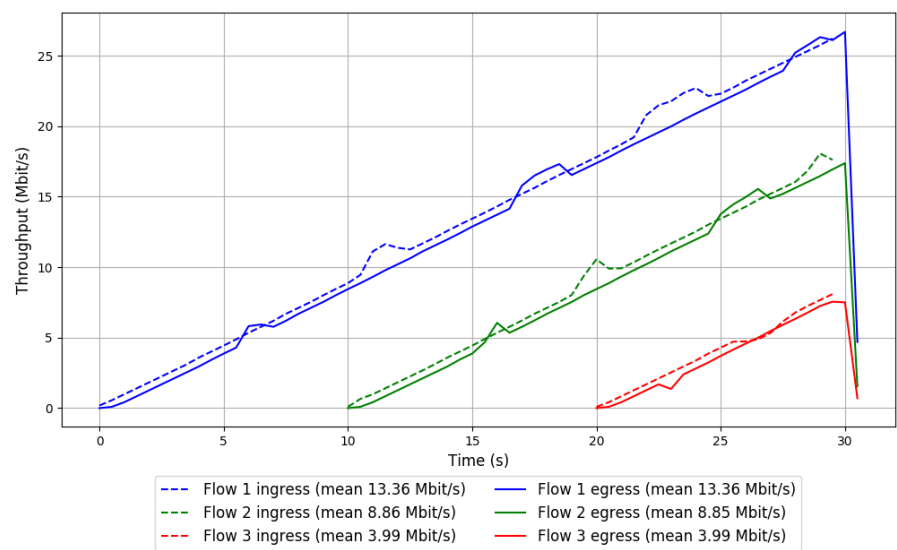


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 05:49:33
End at: 2018-07-10 05:50:03
Local clock offset: -0.281 ms
Remote clock offset: 22.761 ms

Below is generated by plot.py at 2018-07-10 07:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 91.564 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 85.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 87.439 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 93.571 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-10 06:10:41

End at: 2018-07-10 06:11:11

Local clock offset: -0.075 ms

Remote clock offset: 24.76 ms

Below is generated by plot.py at 2018-07-10 07:22:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.71 Mbit/s

95th percentile per-packet one-way delay: 83.215 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 13.63 Mbit/s

95th percentile per-packet one-way delay: 82.530 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 83.736 ms

Loss rate: 0.06%

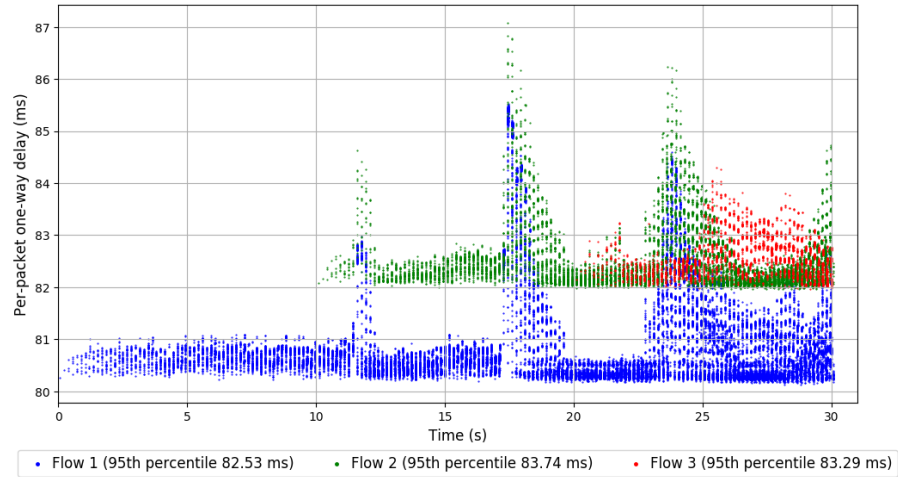
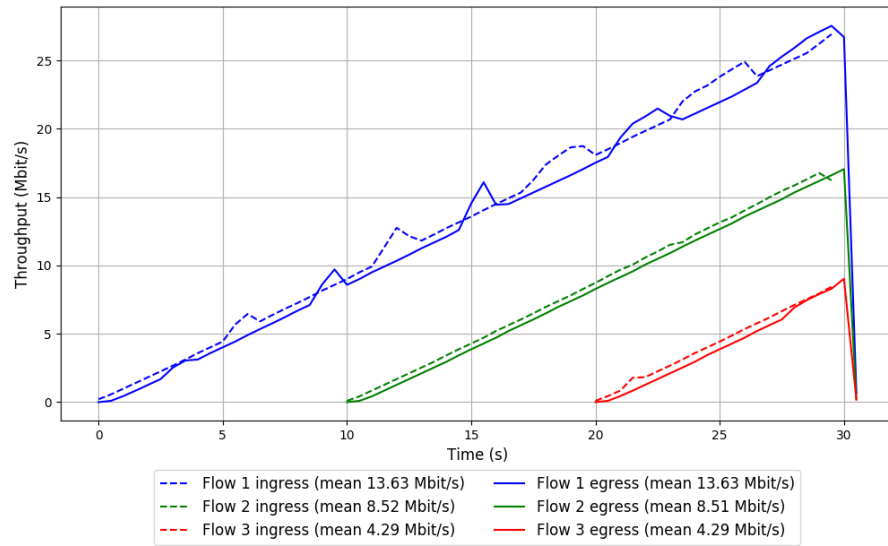
-- Flow 3:

Average throughput: 4.29 Mbit/s

95th percentile per-packet one-way delay: 83.291 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

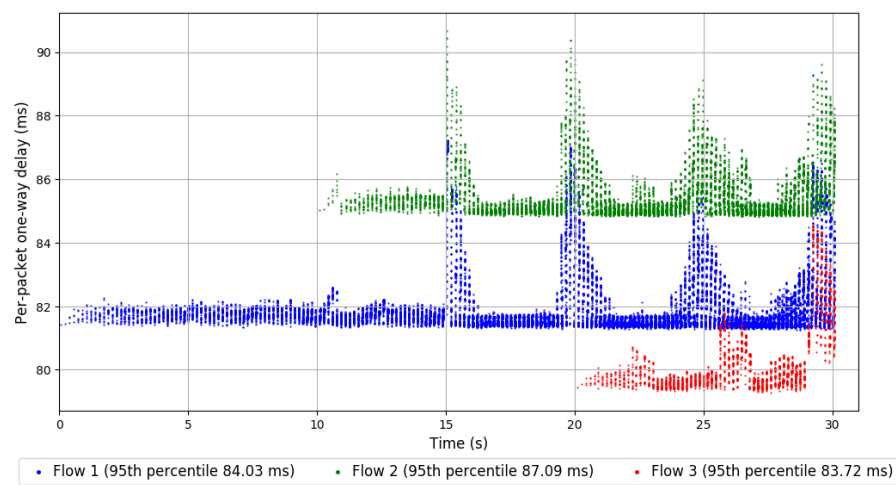
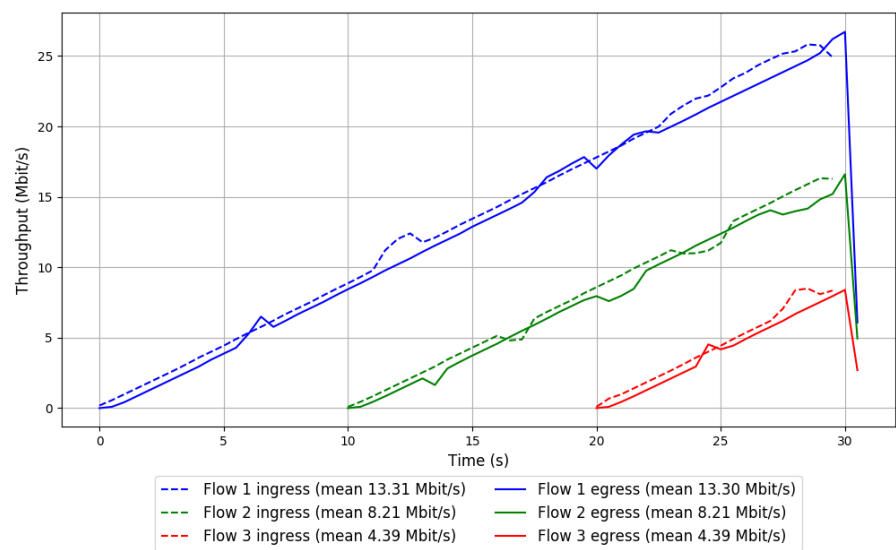


Run 9: Statistics of LEDBAT

Start at: 2018-07-10 06:31:50
End at: 2018-07-10 06:32:20
Local clock offset: -0.08 ms
Remote clock offset: 27.839 ms

Below is generated by plot.py at 2018-07-10 07:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 86.034 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 84.030 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 87.092 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 83.722 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

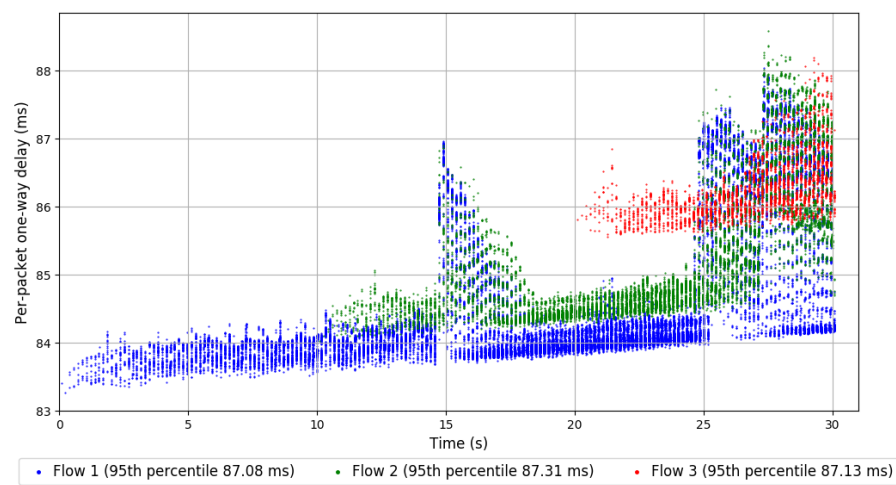
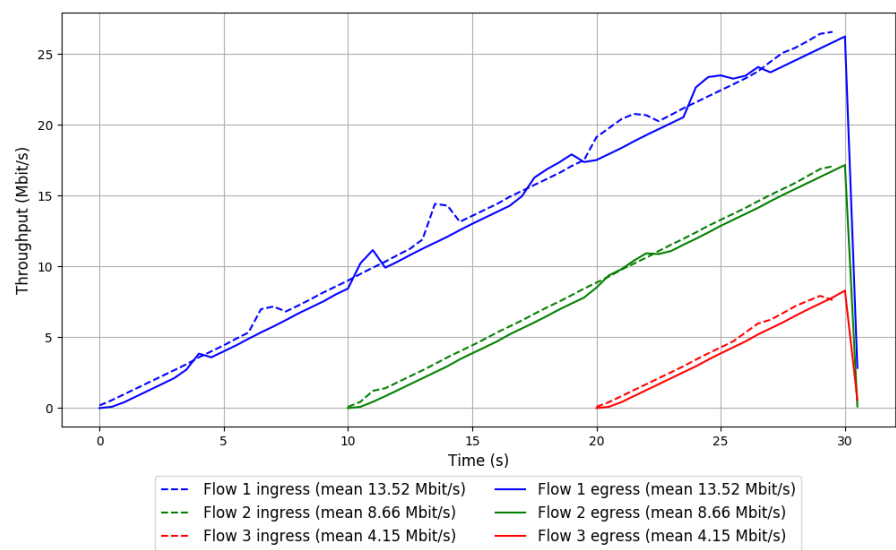


Run 10: Statistics of LEDBAT

Start at: 2018-07-10 06:53:02
End at: 2018-07-10 06:53:32
Local clock offset: -0.125 ms
Remote clock offset: 18.638 ms

Below is generated by plot.py at 2018-07-10 07:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 87.153 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 87.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 87.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 87.128 ms
Loss rate: 0.20%

Run 10: Report of LEDBAT — Data Link

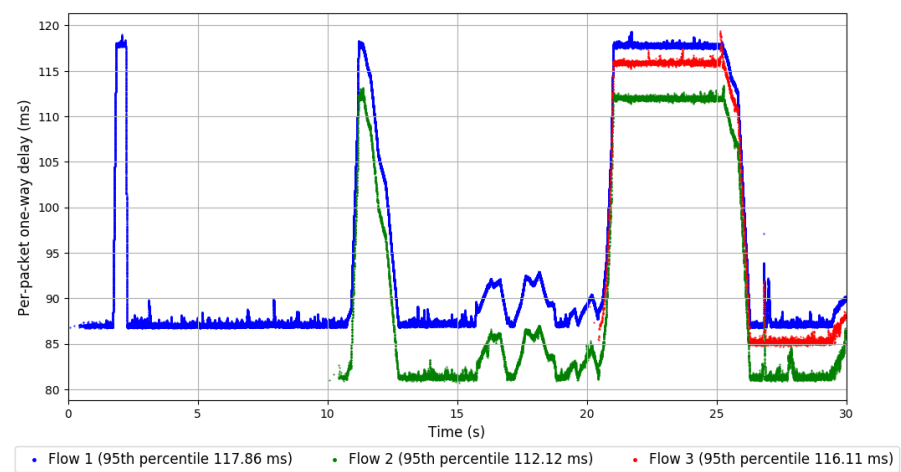
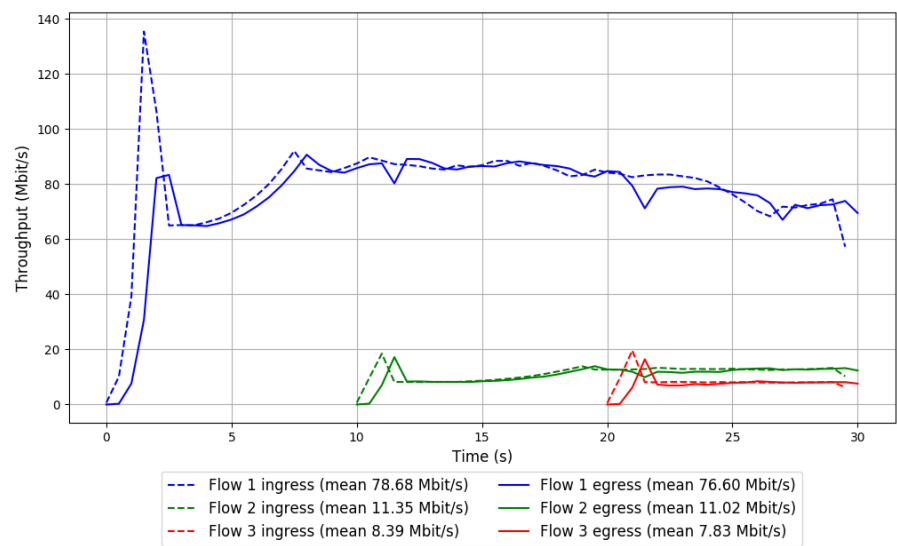


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 03:39:51
End at: 2018-07-10 03:40:21
Local clock offset: -0.67 ms
Remote clock offset: 2.677 ms

# Below is generated by plot.py at 2018-07-10 07:23:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 117.847 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 117.861 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 112.120 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 116.107 ms
Loss rate: 6.69%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 04:01:03

End at: 2018-07-10 04:01:33

Local clock offset: -0.59 ms

Remote clock offset: 8.647 ms

Below is generated by plot.py at 2018-07-10 07:23:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 119.013 ms

Loss rate: 2.98%

-- Flow 1:

Average throughput: 78.36 Mbit/s

95th percentile per-packet one-way delay: 118.964 ms

Loss rate: 2.81%

-- Flow 2:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 123.949 ms

Loss rate: 3.88%

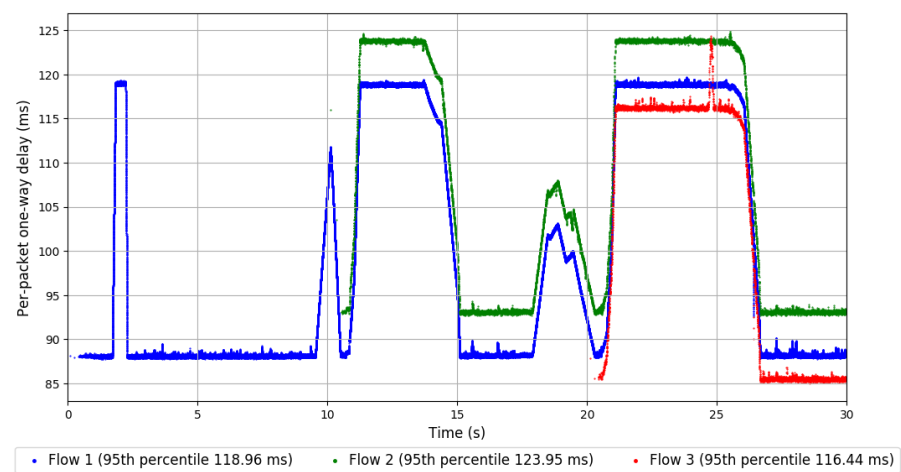
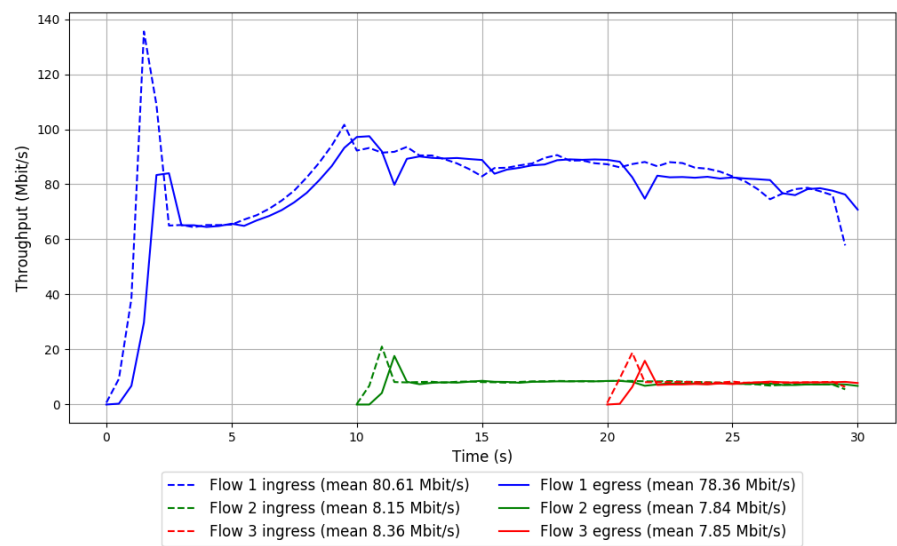
-- Flow 3:

Average throughput: 7.85 Mbit/s

95th percentile per-packet one-way delay: 116.442 ms

Loss rate: 6.11%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 04:22:14

End at: 2018-07-10 04:22:44

Local clock offset: -0.592 ms

Remote clock offset: 7.548 ms

Below is generated by plot.py at 2018-07-10 07:23:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 115.108 ms

Loss rate: 3.43%

-- Flow 1:

Average throughput: 78.61 Mbit/s

95th percentile per-packet one-way delay: 114.999 ms

Loss rate: 3.17%

-- Flow 2:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 117.068 ms

Loss rate: 5.16%

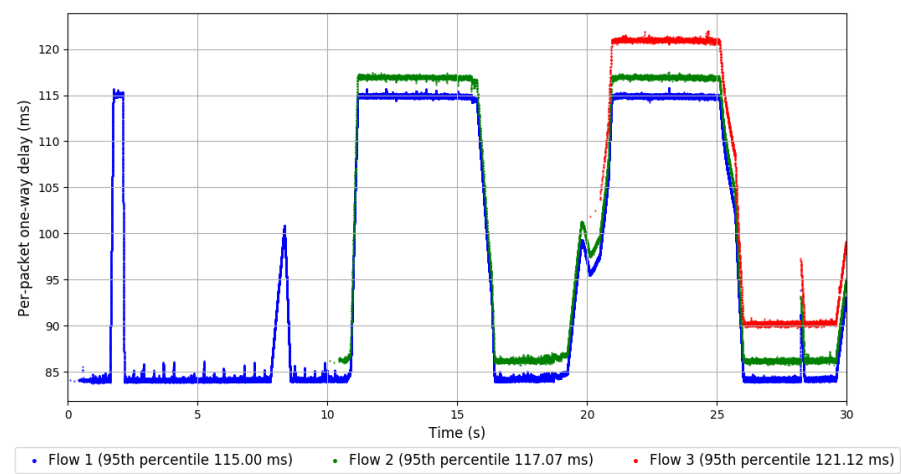
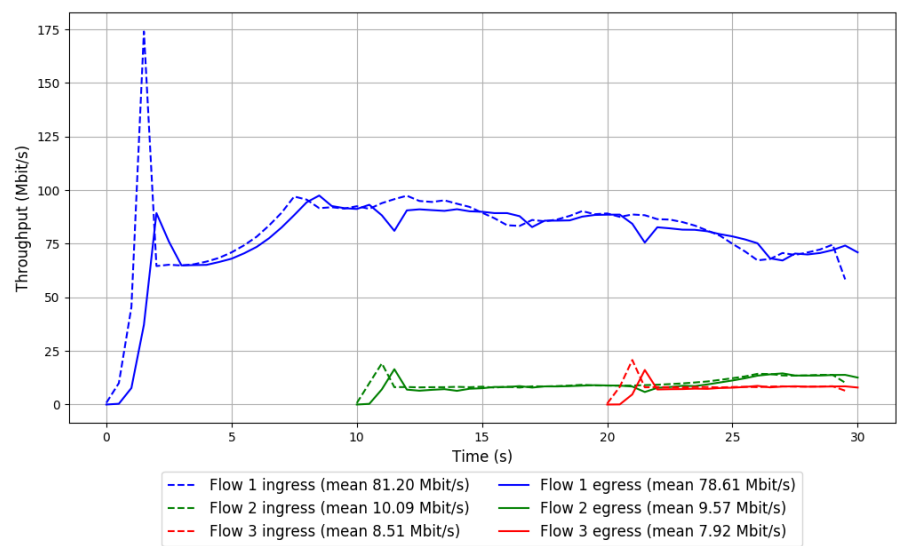
-- Flow 3:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 121.121 ms

Loss rate: 7.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 04:43:23

End at: 2018-07-10 04:43:53

Local clock offset: -0.575 ms

Remote clock offset: 9.66 ms

Below is generated by plot.py at 2018-07-10 07:23:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 112.874 ms

Loss rate: 2.89%

-- Flow 1:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 112.879 ms

Loss rate: 2.68%

-- Flow 2:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 111.785 ms

Loss rate: 4.22%

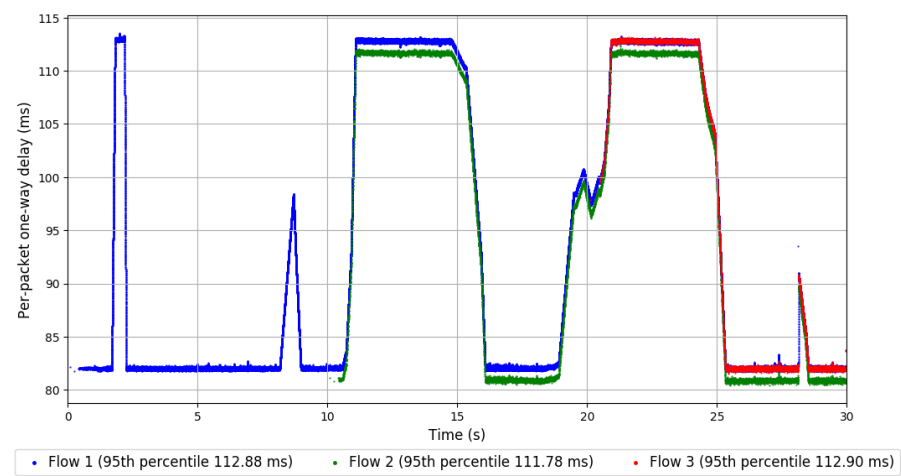
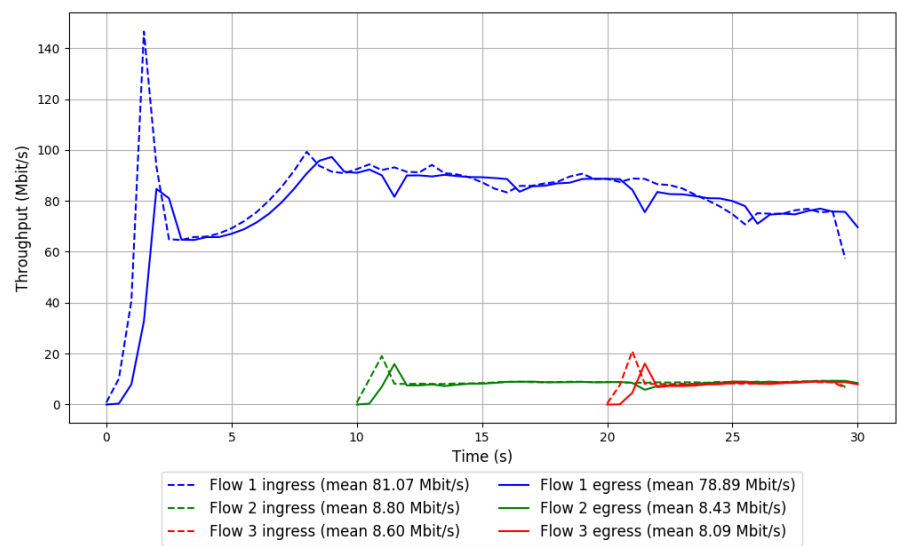
-- Flow 3:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 112.904 ms

Loss rate: 6.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 05:04:33

End at: 2018-07-10 05:05:03

Local clock offset: -0.576 ms

Remote clock offset: 15.47 ms

Below is generated by plot.py at 2018-07-10 07:23:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 114.259 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 79.59 Mbit/s

95th percentile per-packet one-way delay: 114.200 ms

Loss rate: 2.53%

-- Flow 2:

Average throughput: 8.51 Mbit/s

95th percentile per-packet one-way delay: 115.168 ms

Loss rate: 3.98%

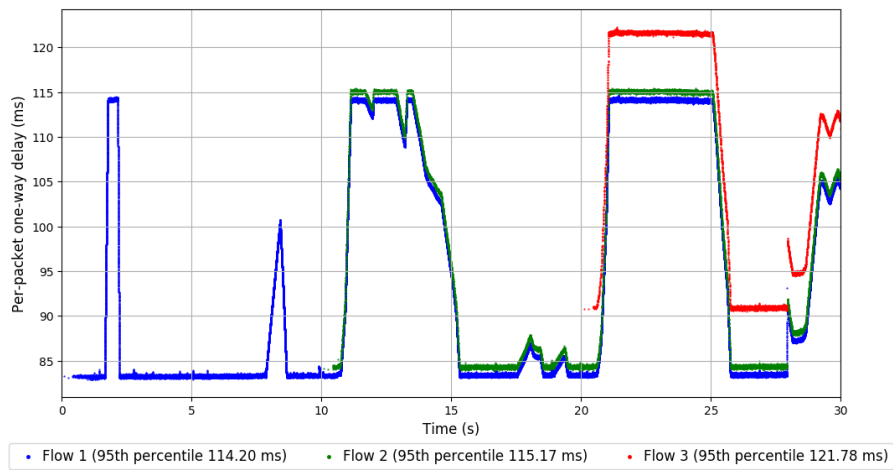
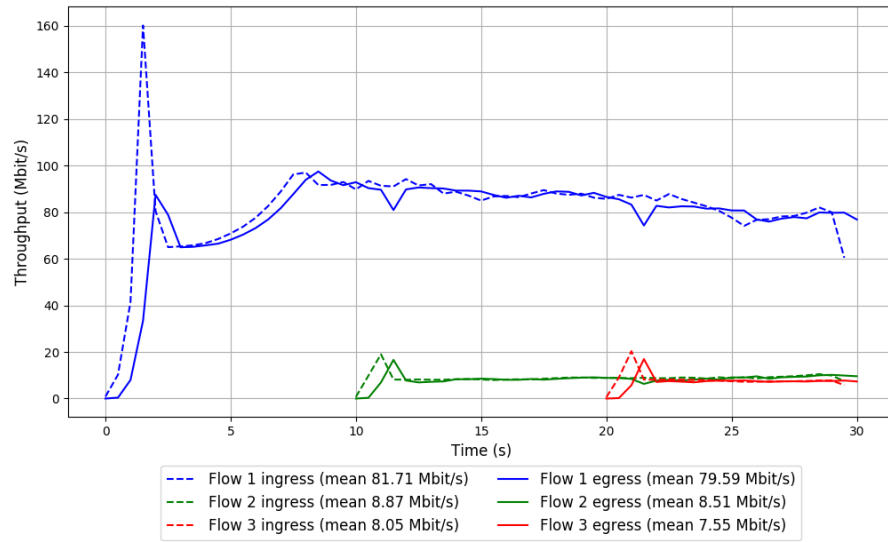
-- Flow 3:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 121.779 ms

Loss rate: 6.03%

Run 5: Report of PCC-Allegro — Data Link

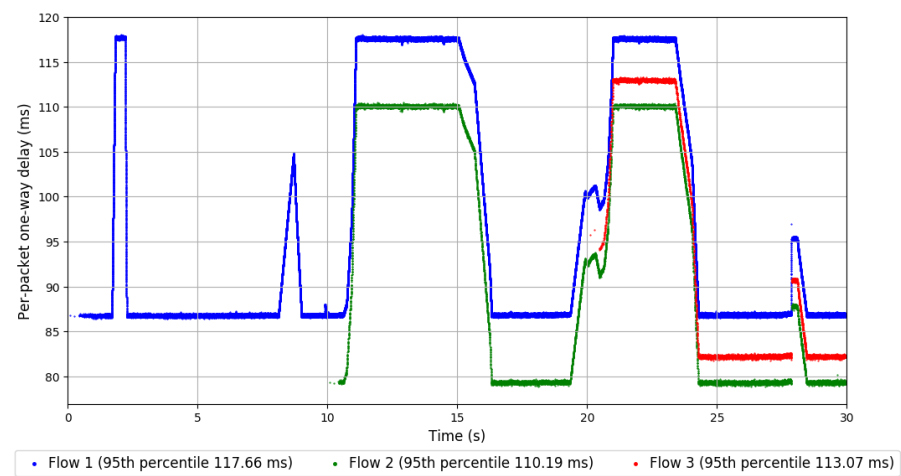
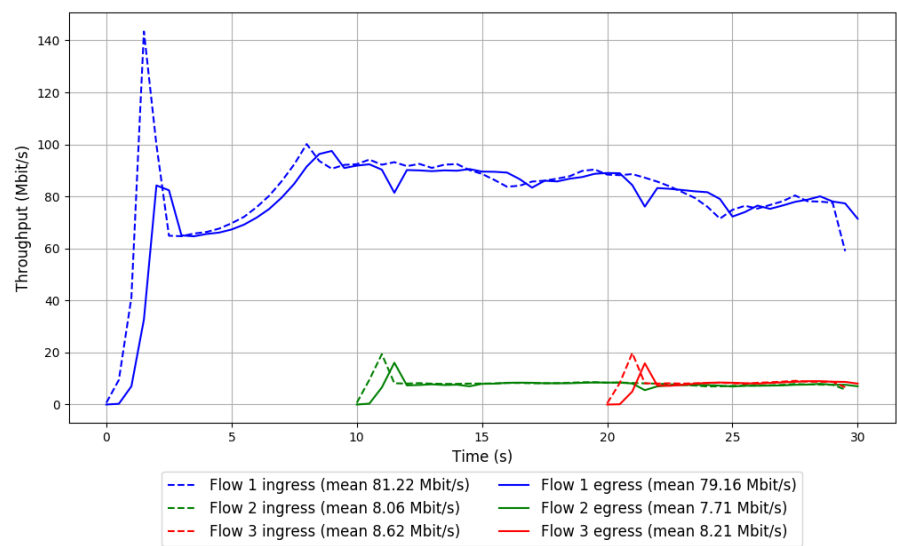


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 05:25:48
End at: 2018-07-10 05:26:18
Local clock offset: -0.401 ms
Remote clock offset: 10.332 ms

Below is generated by plot.py at 2018-07-10 07:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 117.652 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 117.659 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 110.192 ms
Loss rate: 4.28%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 113.067 ms
Loss rate: 4.89%

Run 6: Report of PCC-Allegro — Data Link

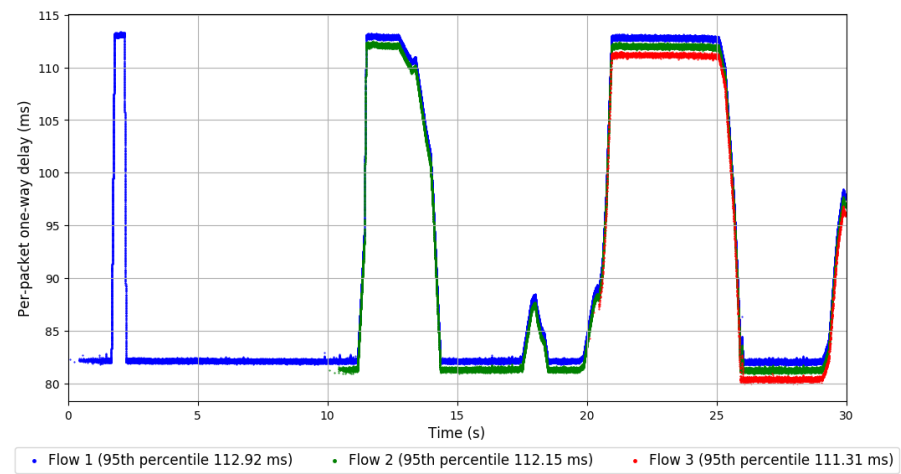
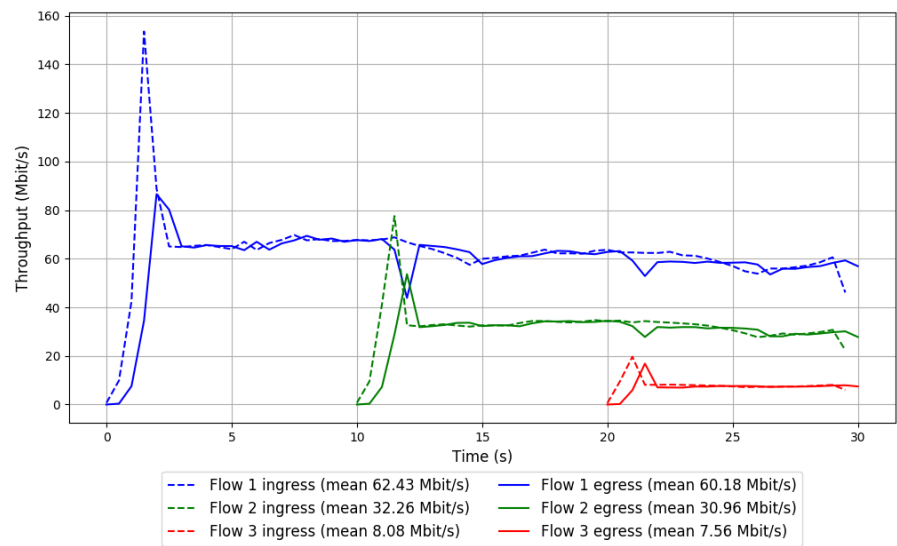


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 05:47:00
End at: 2018-07-10 05:47:30
Local clock offset: -0.223 ms
Remote clock offset: 17.807 ms

Below is generated by plot.py at 2018-07-10 07:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.27 Mbit/s
95th percentile per-packet one-way delay: 112.883 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 60.18 Mbit/s
95th percentile per-packet one-way delay: 112.924 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 112.151 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 111.315 ms
Loss rate: 6.27%

Run 7: Report of PCC-Allegro — Data Link

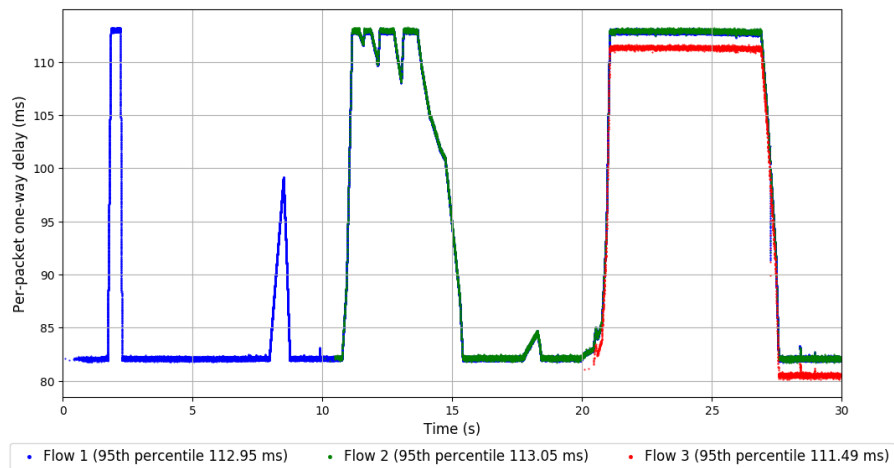
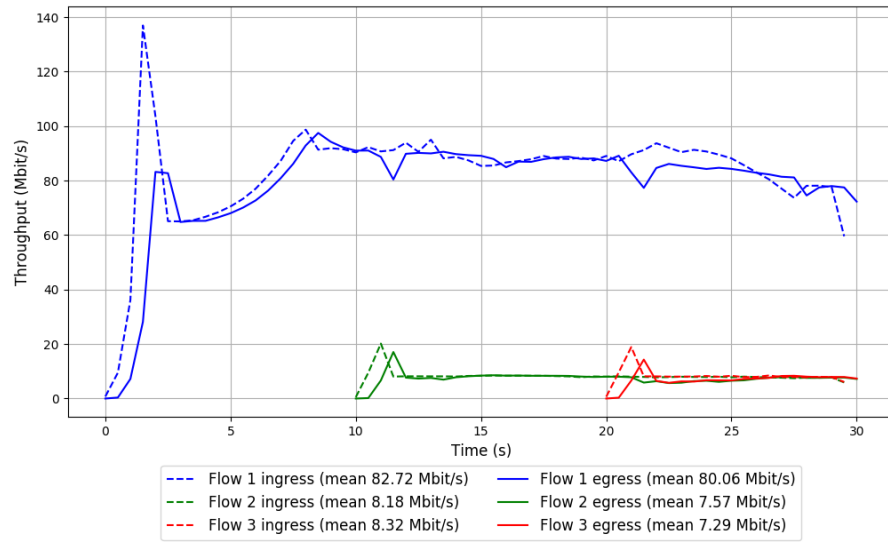


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 06:08:09
End at: 2018-07-10 06:08:39
Local clock offset: -0.153 ms
Remote clock offset: 24.153 ms

Below is generated by plot.py at 2018-07-10 07:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 112.953 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 112.948 ms
Loss rate: 3.22%
-- Flow 2:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 113.045 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 111.488 ms
Loss rate: 12.35%

Run 8: Report of PCC-Allegro — Data Link

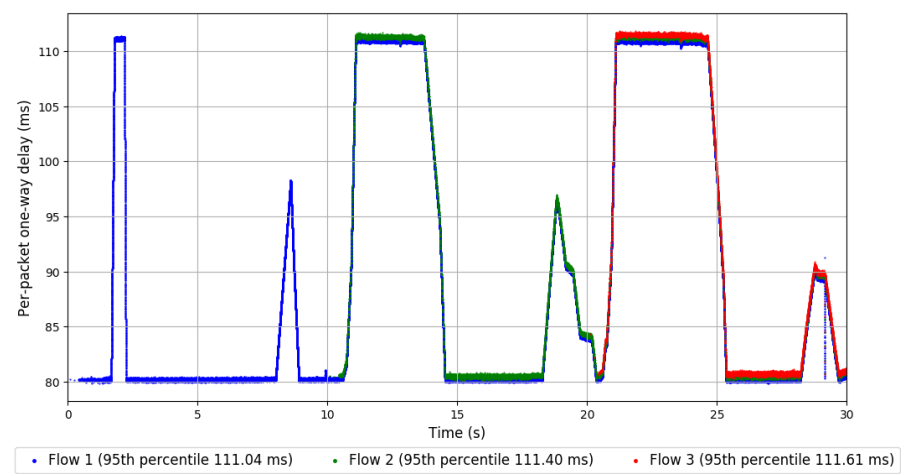
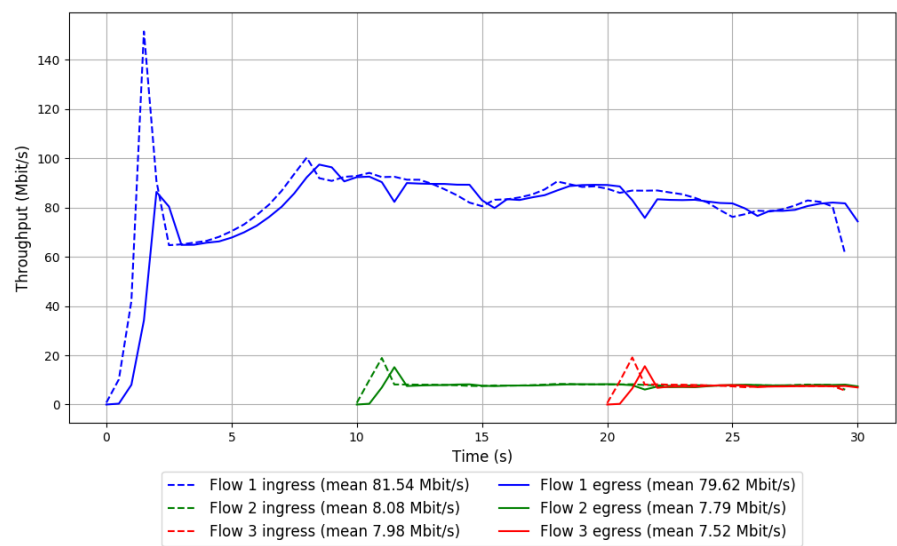


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 06:29:17
End at: 2018-07-10 06:29:47
Local clock offset: -0.029 ms
Remote clock offset: 28.444 ms

Below is generated by plot.py at 2018-07-10 07:24:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 111.091 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 111.038 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 111.396 ms
Loss rate: 3.59%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 111.609 ms
Loss rate: 5.86%

Run 9: Report of PCC-Allegro — Data Link

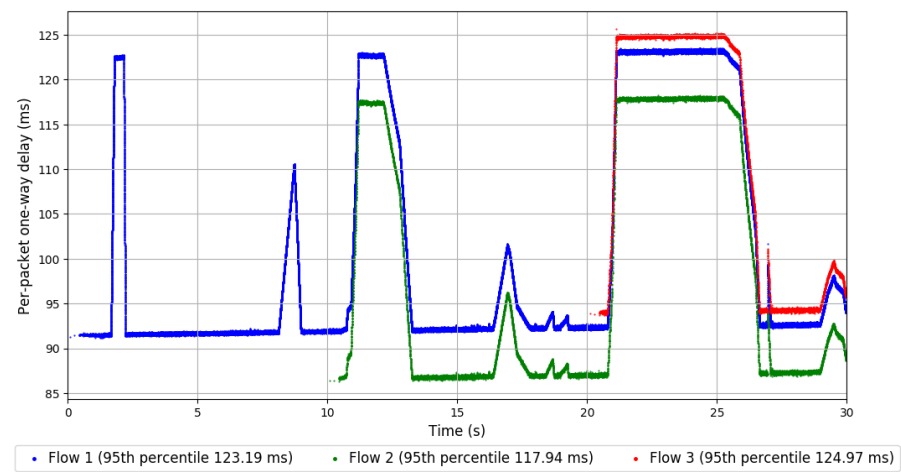
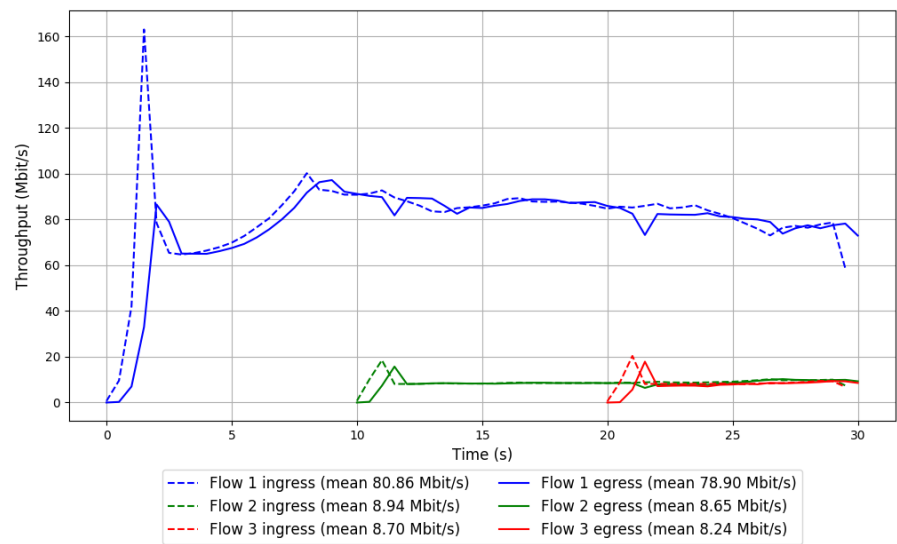


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 06:50:29
End at: 2018-07-10 06:50:59
Local clock offset: -0.039 ms
Remote clock offset: 26.228 ms

Below is generated by plot.py at 2018-07-10 07:24:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 123.217 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 123.195 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 117.938 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 124.972 ms
Loss rate: 5.30%

Run 10: Report of PCC-Allegro — Data Link

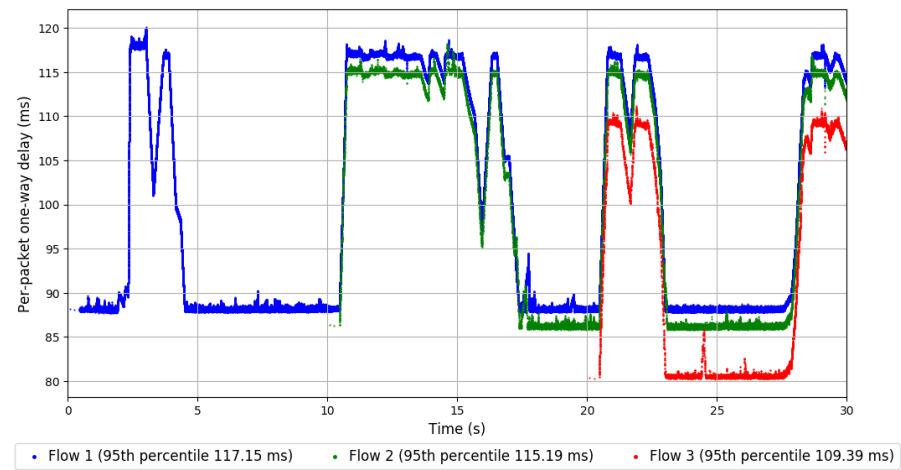
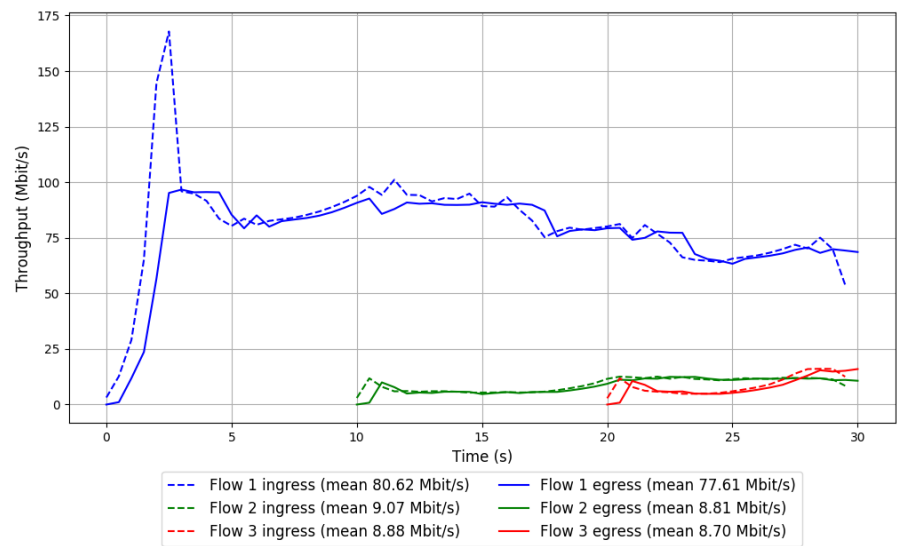


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 03:41:06
End at: 2018-07-10 03:41:36
Local clock offset: -0.614 ms
Remote clock offset: 3.759 ms

# Below is generated by plot.py at 2018-07-10 07:25:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 117.124 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 117.153 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 115.185 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 109.392 ms
Loss rate: 1.78%
```


Run 1: Report of PCC-Expr — Data Link

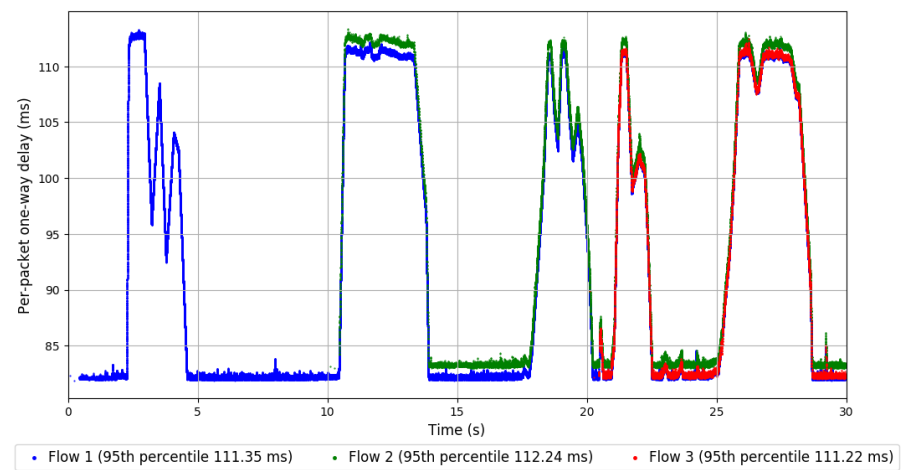
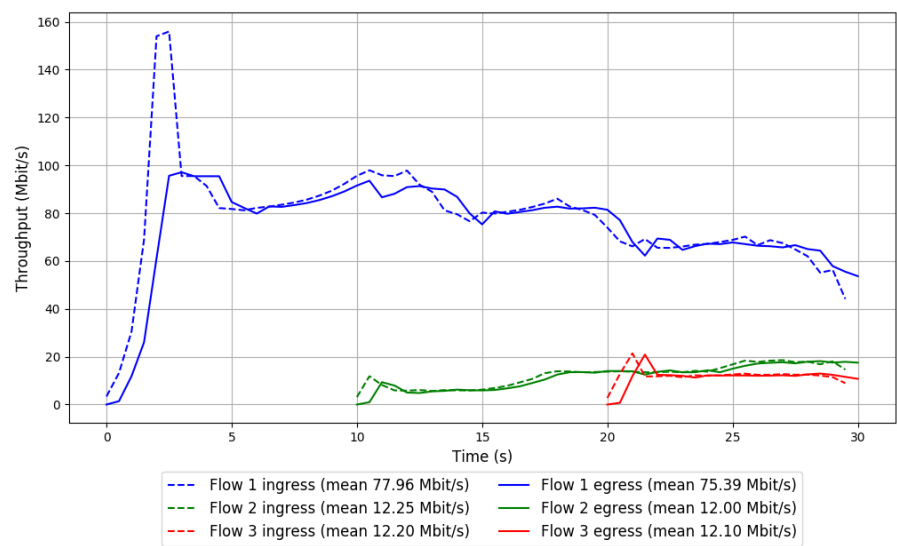


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 04:02:17
End at: 2018-07-10 04:02:47
Local clock offset: -0.594 ms
Remote clock offset: 3.704 ms

# Below is generated by plot.py at 2018-07-10 07:25:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 111.457 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 75.39 Mbit/s
95th percentile per-packet one-way delay: 111.351 ms
Loss rate: 3.30%
-- Flow 2:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 112.236 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 111.225 ms
Loss rate: 0.88%
```

Run 2: Report of PCC-Expr — Data Link

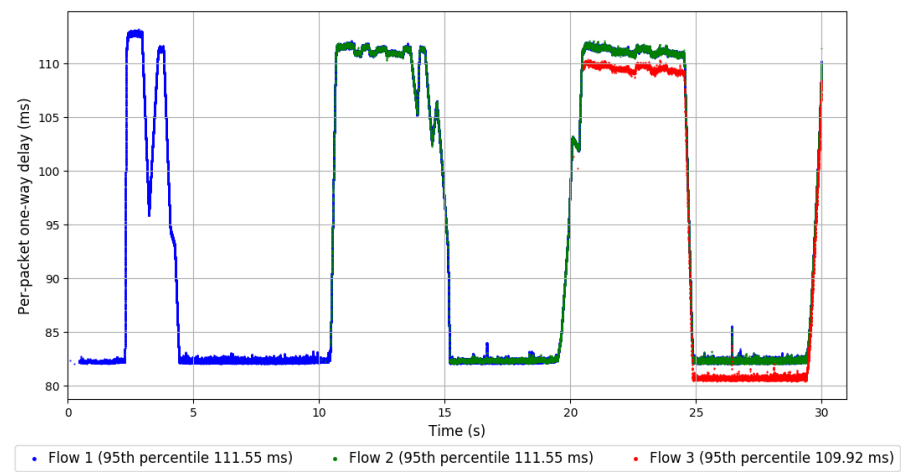
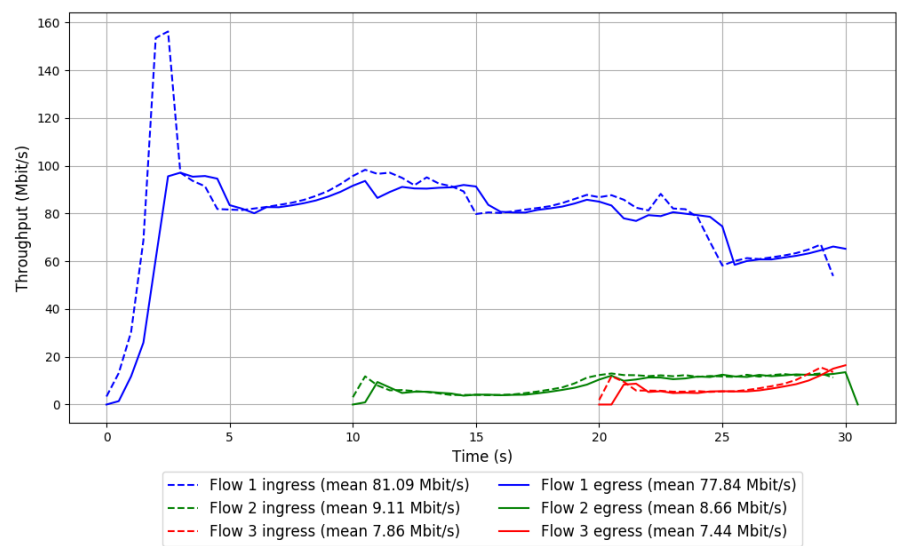


```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 04:23:28
End at: 2018-07-10 04:23:58
Local clock offset: -0.593 ms
Remote clock offset: 3.732 ms

# Below is generated by plot.py at 2018-07-10 07:25:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.06 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 111.551 ms
Loss rate: 3.92%
-- Flow 2:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 111.549 ms
Loss rate: 4.75%
-- Flow 3:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 109.921 ms
Loss rate: 5.18%
```

Run 3: Report of PCC-Expr — Data Link

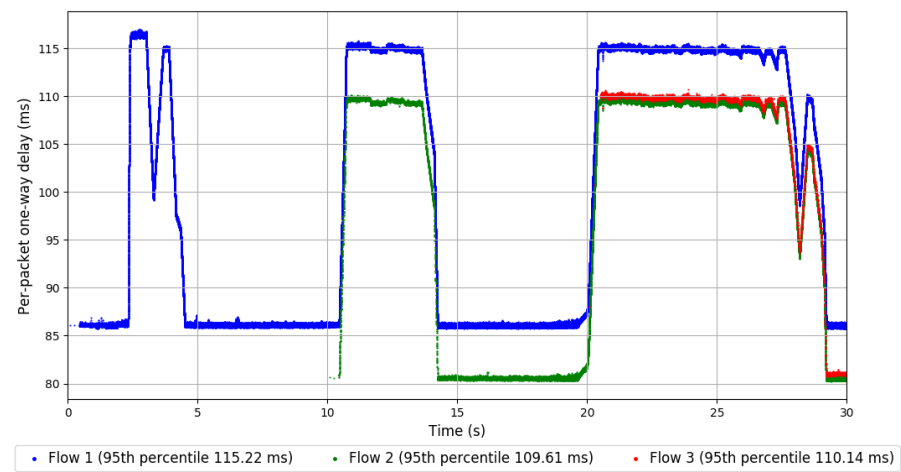
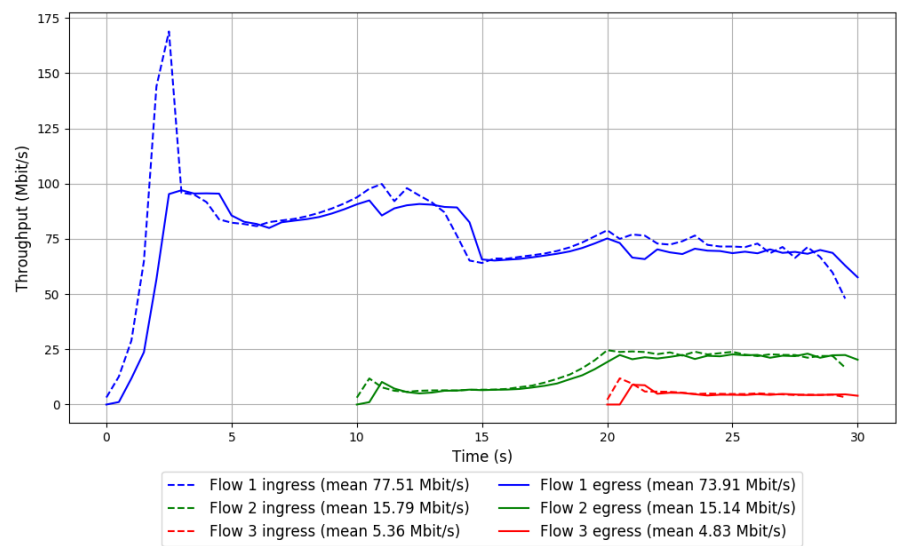


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 04:44:37
End at: 2018-07-10 04:45:07
Local clock offset: -0.564 ms
Remote clock offset: 10.068 ms

Below is generated by plot.py at 2018-07-10 07:25:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.57 Mbit/s
95th percentile per-packet one-way delay: 115.192 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 73.91 Mbit/s
95th percentile per-packet one-way delay: 115.222 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 109.608 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 110.145 ms
Loss rate: 10.03%

Run 4: Report of PCC-Expr — Data Link

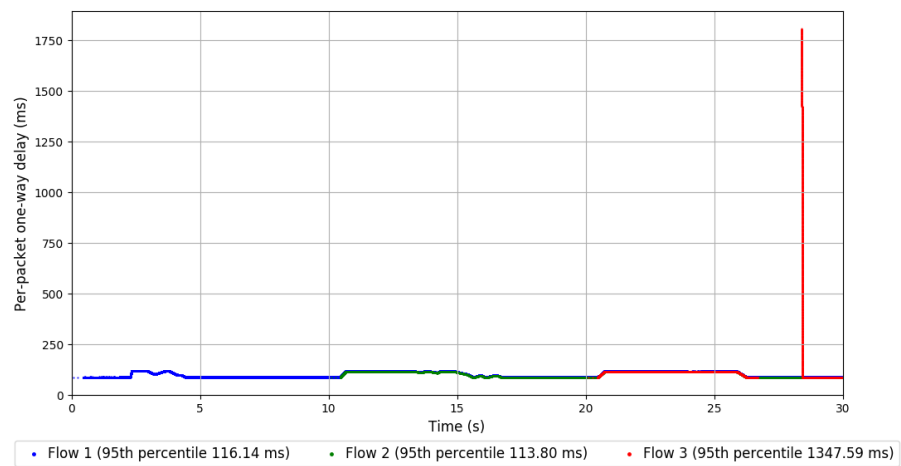
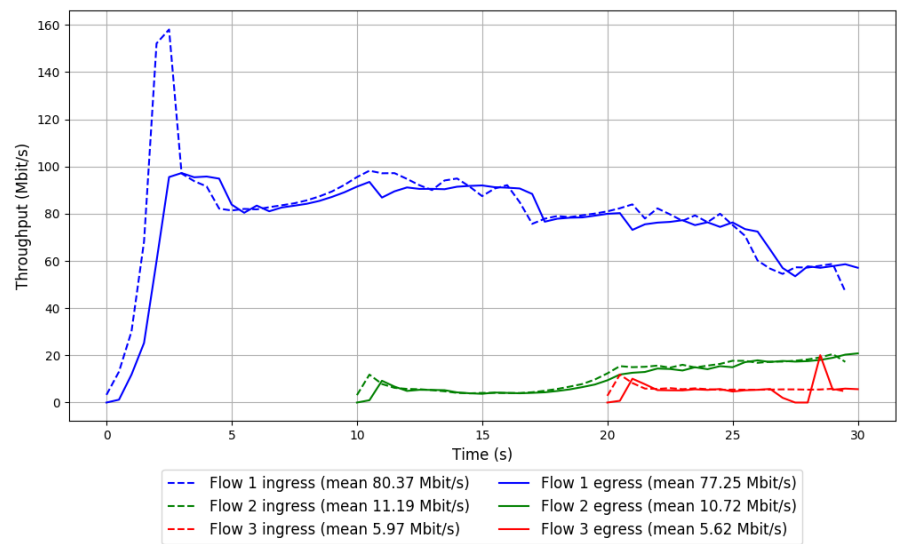


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 05:05:47
End at: 2018-07-10 05:06:17
Local clock offset: -0.569 ms
Remote clock offset: 16.317 ms

Below is generated by plot.py at 2018-07-10 07:25:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 116.132 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 116.139 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 113.798 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 1347.593 ms
Loss rate: 5.93%

Run 5: Report of PCC-Expr — Data Link

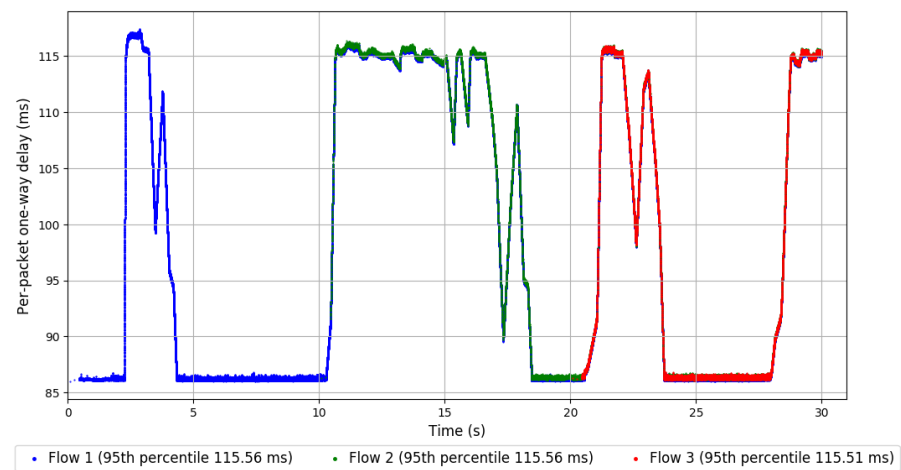
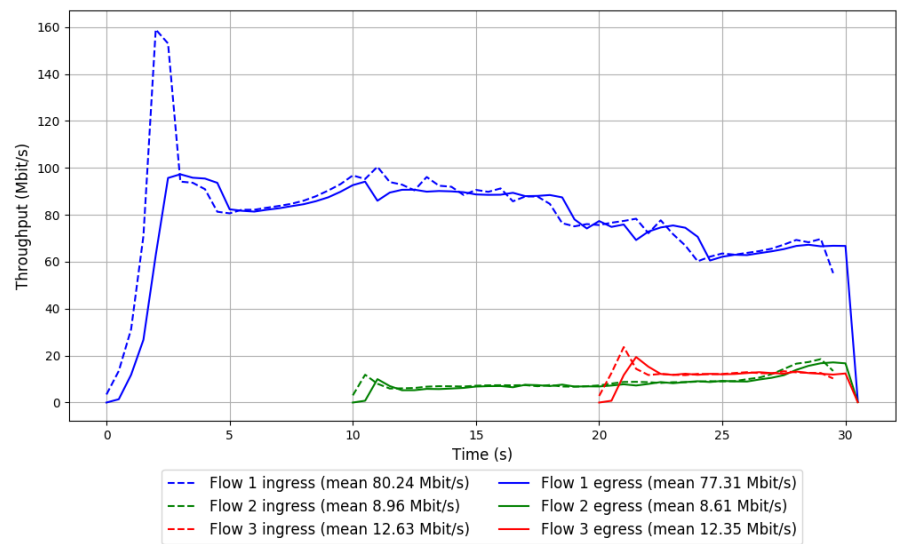


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 05:27:02
End at: 2018-07-10 05:27:32
Local clock offset: -0.398 ms
Remote clock offset: 15.384 ms

Below is generated by plot.py at 2018-07-10 07:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 115.555 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: 115.559 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 115.556 ms
Loss rate: 3.83%
-- Flow 3:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 115.506 ms
Loss rate: 2.00%

Run 6: Report of PCC-Expr — Data Link

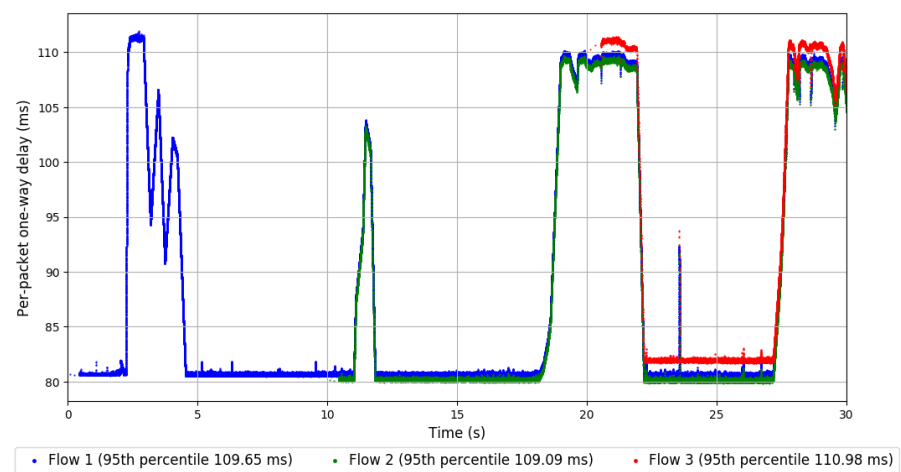
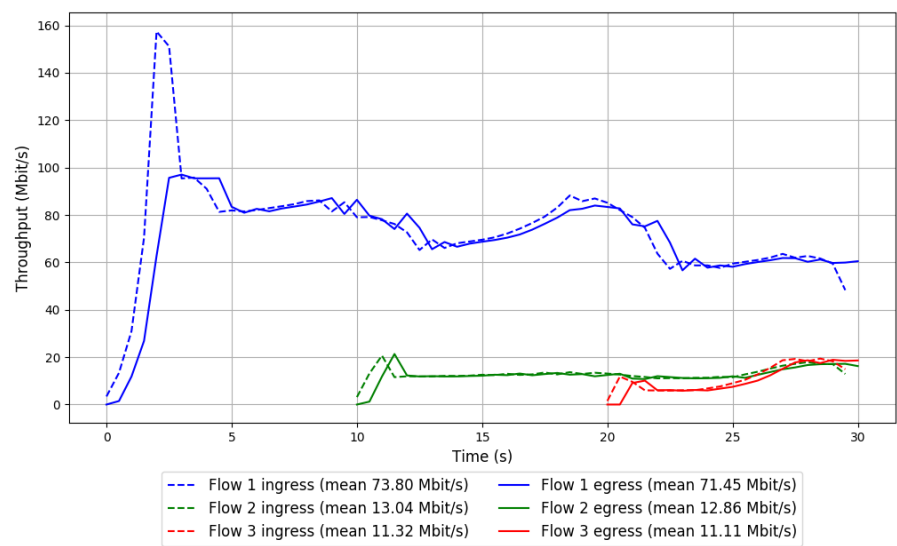


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 05:48:15
End at: 2018-07-10 05:48:45
Local clock offset: -0.234 ms
Remote clock offset: 18.223 ms

Below is generated by plot.py at 2018-07-10 07:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 109.715 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 109.651 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 109.091 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 110.977 ms
Loss rate: 1.87%

Run 7: Report of PCC-Expr — Data Link

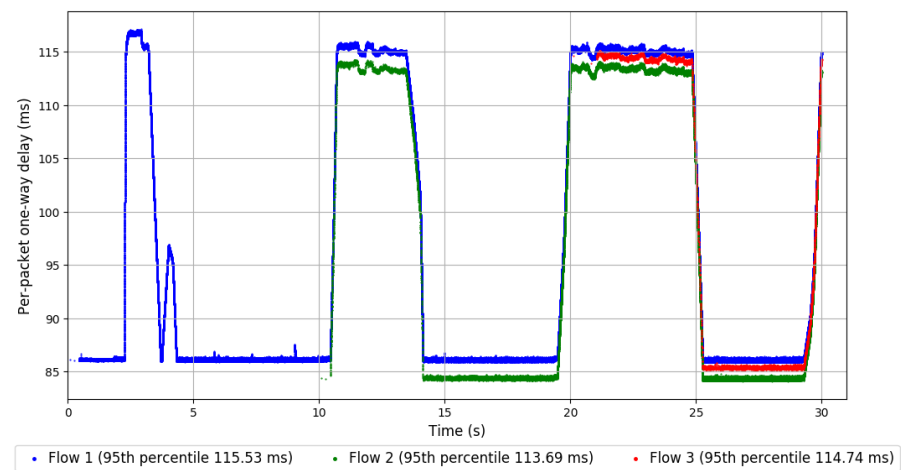
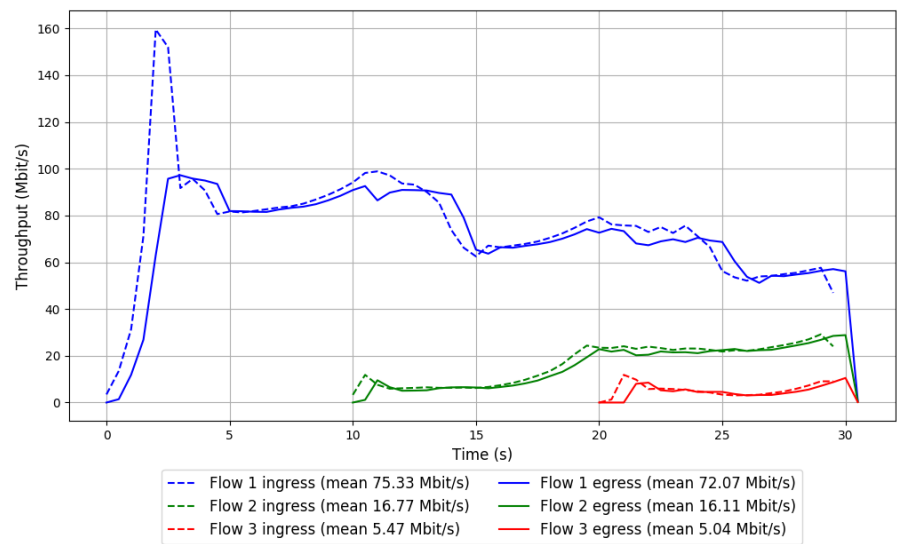


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 06:09:23
End at: 2018-07-10 06:09:53
Local clock offset: -0.065 ms
Remote clock offset: 28.478 ms

Below is generated by plot.py at 2018-07-10 07:26:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.45 Mbit/s
95th percentile per-packet one-way delay: 115.490 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 72.07 Mbit/s
95th percentile per-packet one-way delay: 115.525 ms
Loss rate: 4.24%
-- Flow 2:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 113.694 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 114.743 ms
Loss rate: 7.75%

Run 8: Report of PCC-Expr — Data Link

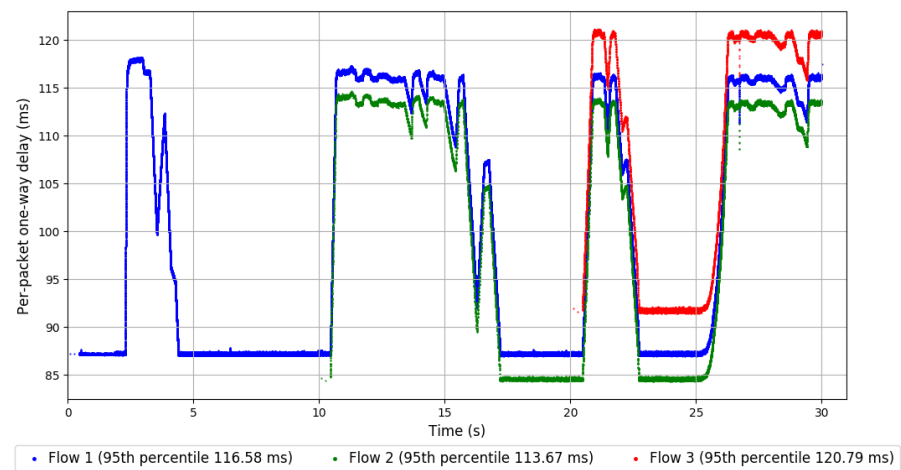
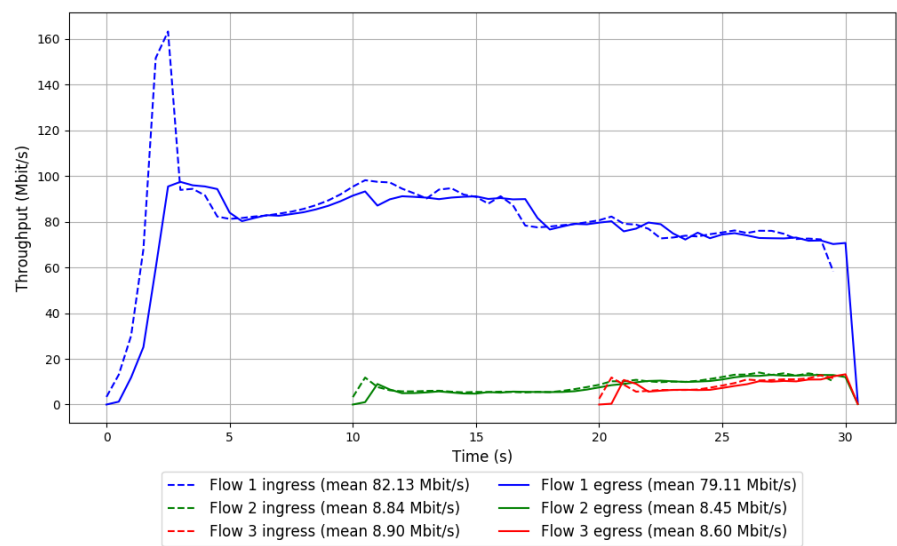


Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 06:30:31
End at: 2018-07-10 06:31:01
Local clock offset: -0.027 ms
Remote clock offset: 32.603 ms

Below is generated by plot.py at 2018-07-10 07:27:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 116.696 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 116.583 ms
Loss rate: 3.58%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 113.671 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 120.787 ms
Loss rate: 3.12%

Run 9: Report of PCC-Expr — Data Link

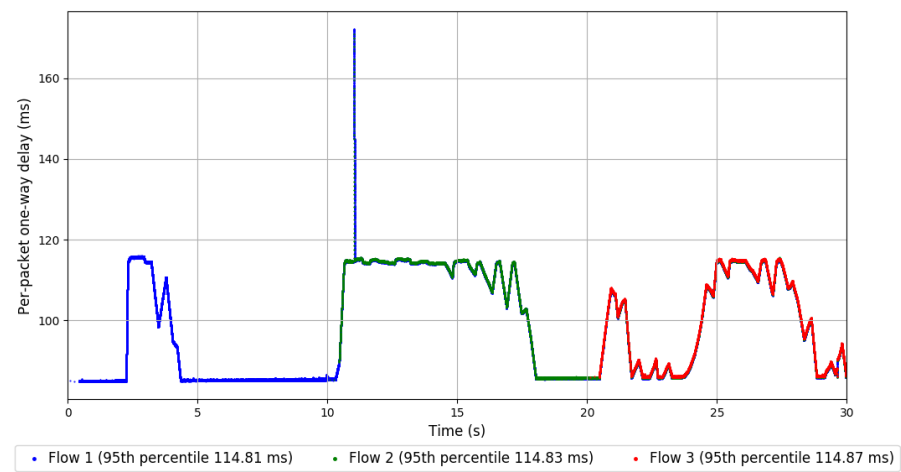
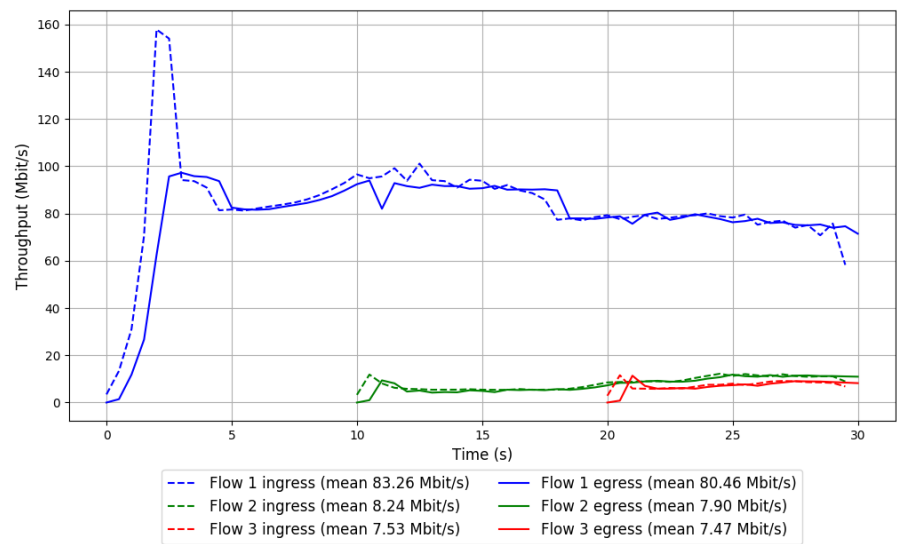


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 06:51:43
End at: 2018-07-10 06:52:13
Local clock offset: -0.117 ms
Remote clock offset: 22.662 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 114.816 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 114.812 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 114.826 ms
Loss rate: 4.20%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 114.868 ms
Loss rate: 0.72%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 03:54:53

End at: 2018-07-10 03:55:23

Local clock offset: -0.584 ms

Remote clock offset: 2.466 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.47 Mbit/s

95th percentile per-packet one-way delay: 105.751 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 49.20 Mbit/s

95th percentile per-packet one-way delay: 104.884 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 18.58 Mbit/s

95th percentile per-packet one-way delay: 102.328 ms

Loss rate: 0.25%

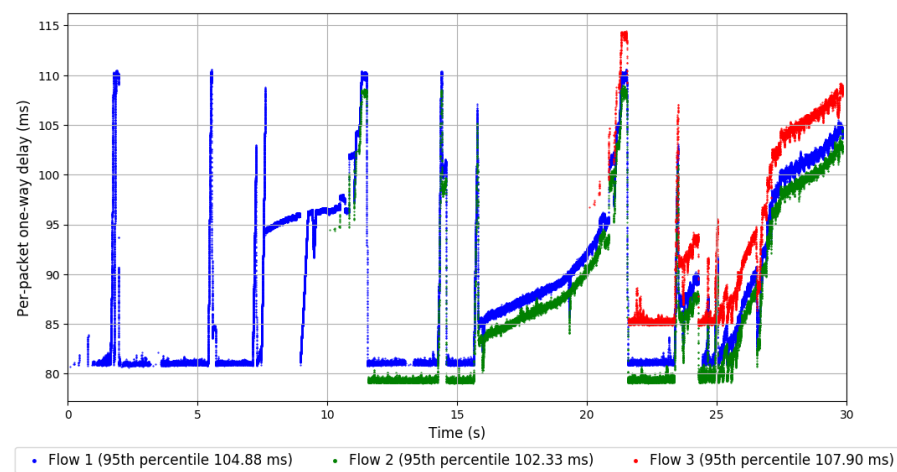
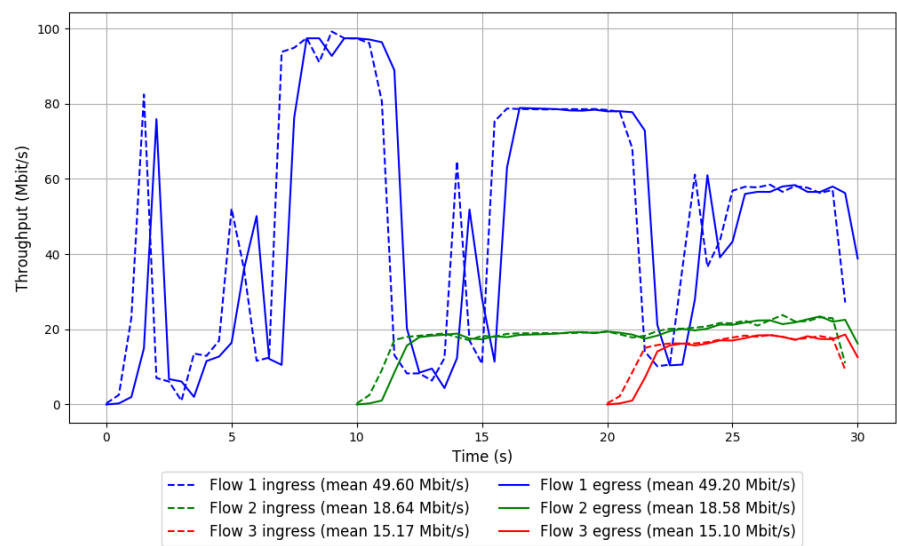
-- Flow 3:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 107.901 ms

Loss rate: 0.37%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 04:16:03

End at: 2018-07-10 04:16:33

Local clock offset: -0.582 ms

Remote clock offset: 7.608 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.36 Mbit/s

95th percentile per-packet one-way delay: 112.671 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 57.89 Mbit/s

95th percentile per-packet one-way delay: 112.802 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 111.851 ms

Loss rate: 0.16%

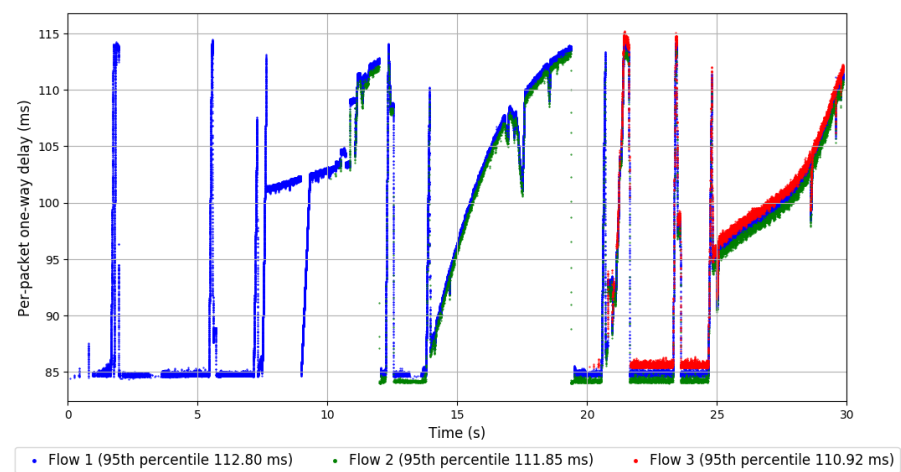
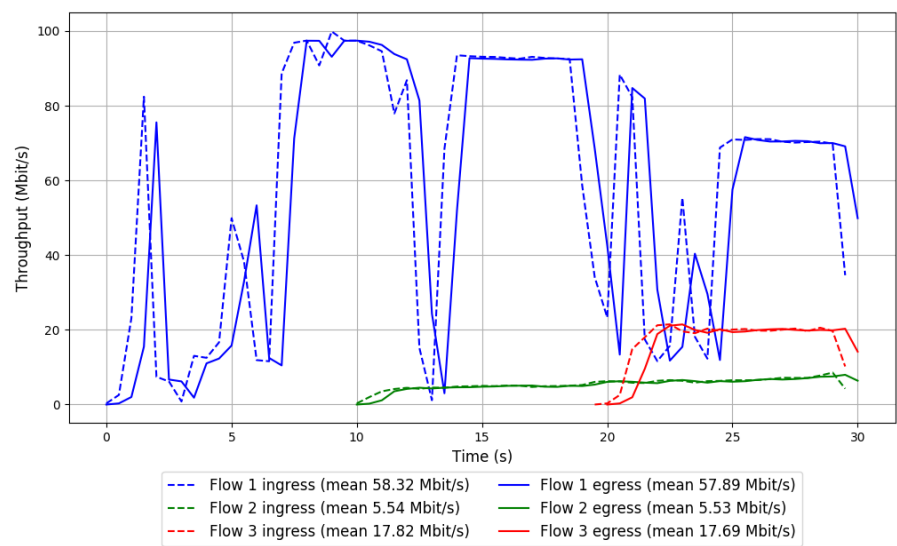
-- Flow 3:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 110.923 ms

Loss rate: 0.46%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 04:37:13

End at: 2018-07-10 04:37:43

Local clock offset: -0.588 ms

Remote clock offset: 7.693 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.62 Mbit/s

95th percentile per-packet one-way delay: 105.685 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 56.58 Mbit/s

95th percentile per-packet one-way delay: 105.648 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 107.004 ms

Loss rate: 0.31%

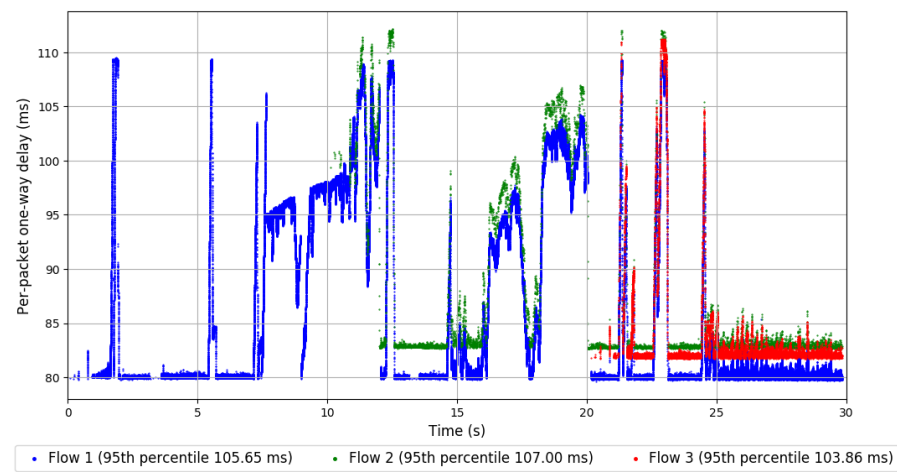
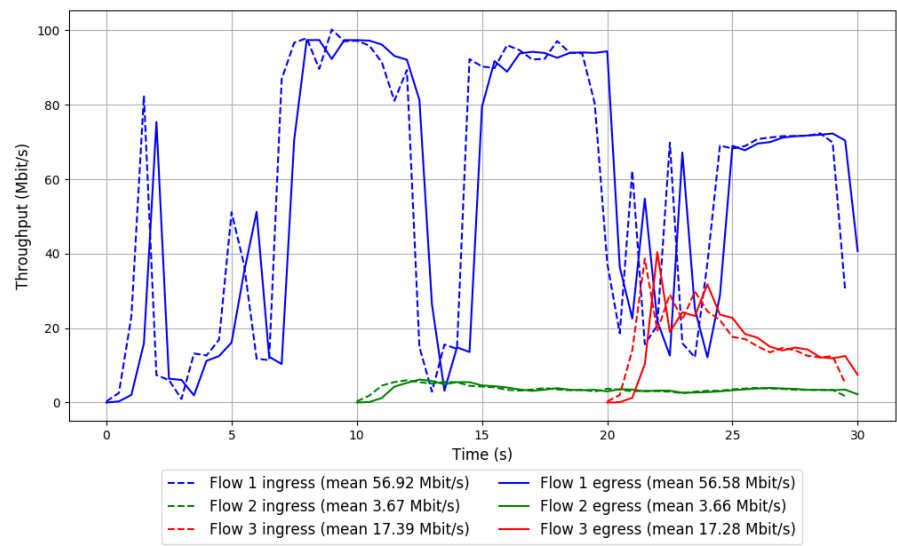
-- Flow 3:

Average throughput: 17.28 Mbit/s

95th percentile per-packet one-way delay: 103.857 ms

Loss rate: 0.58%

Run 3: Report of QUIC Cubic — Data Link

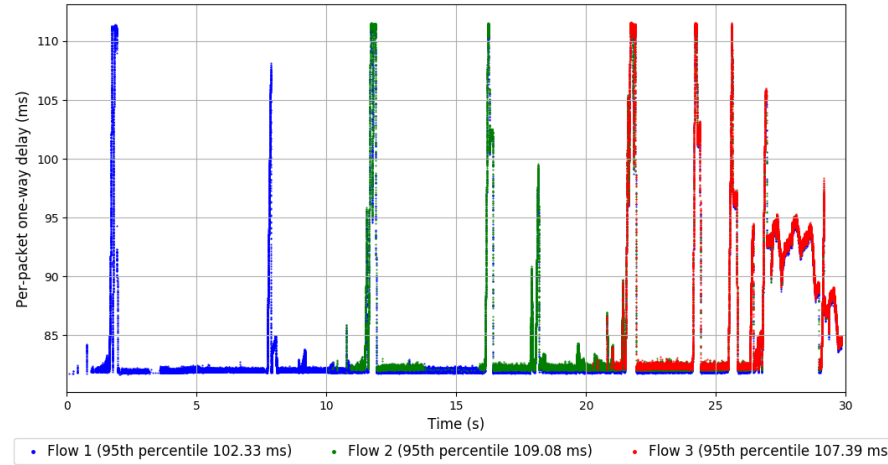
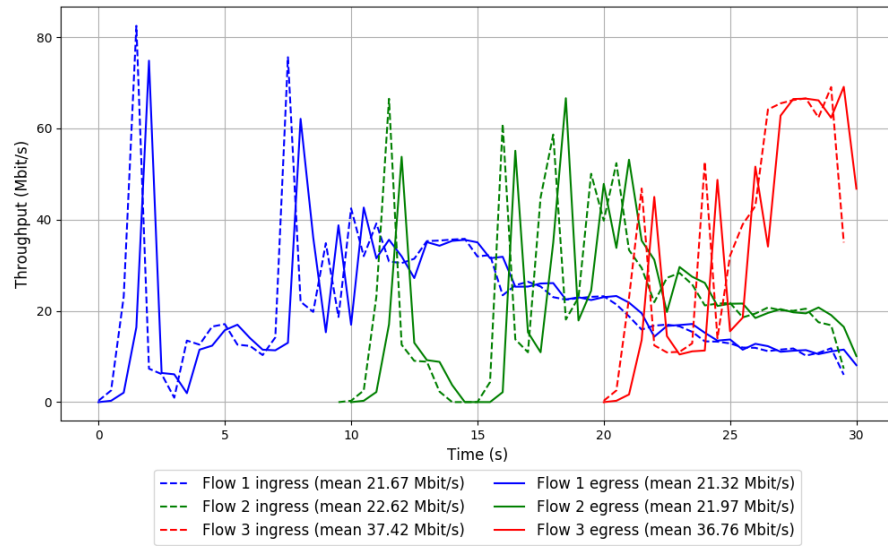


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 04:58:24
End at: 2018-07-10 04:58:54
Local clock offset: -0.57 ms
Remote clock offset: 12.071 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 105.712 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 102.327 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 109.076 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 107.393 ms
Loss rate: 1.75%

Run 4: Report of QUIC Cubic — Data Link

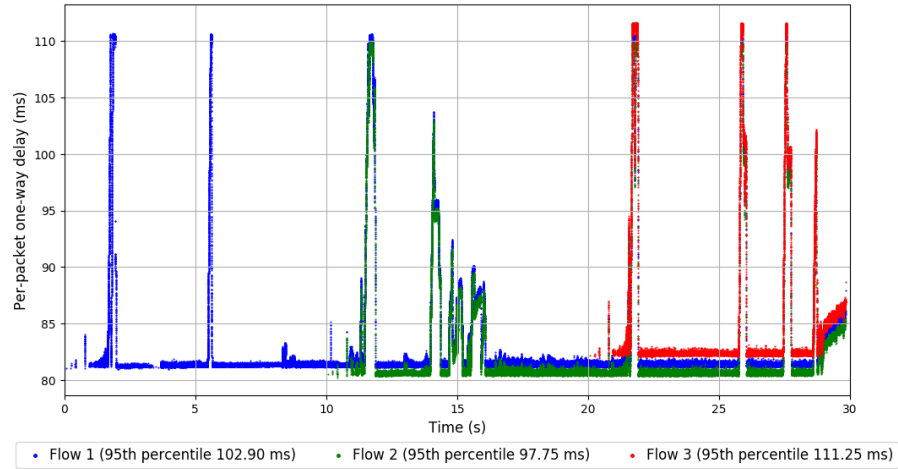
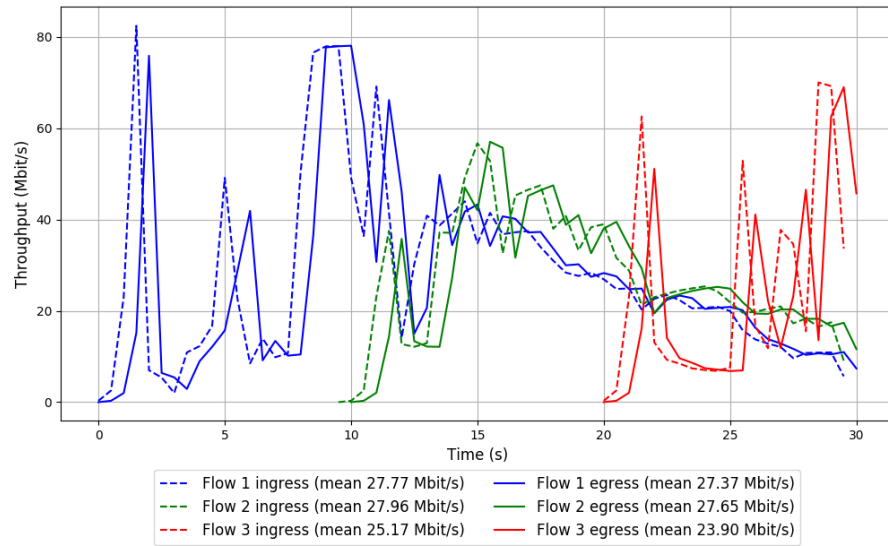


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 05:19:38
End at: 2018-07-10 05:20:08
Local clock offset: -0.535 ms
Remote clock offset: 11.189 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 103.837 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 102.900 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 97.755 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 111.254 ms
Loss rate: 4.99%

Run 5: Report of QUIC Cubic — Data Link

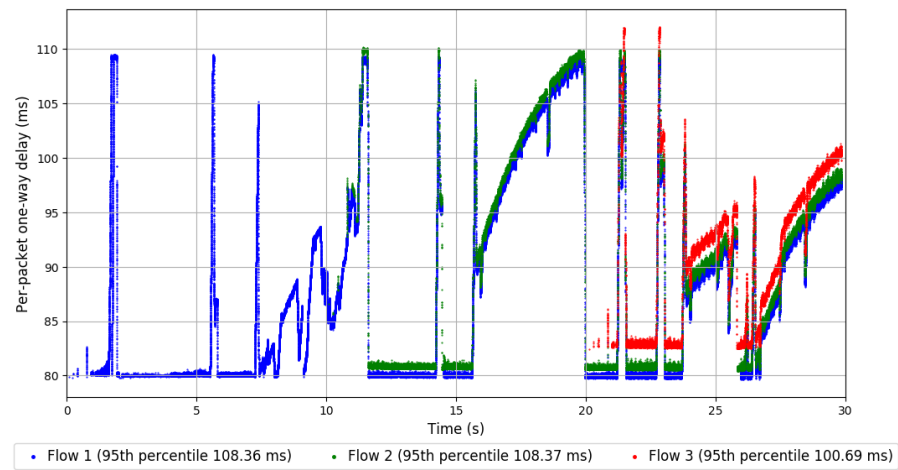
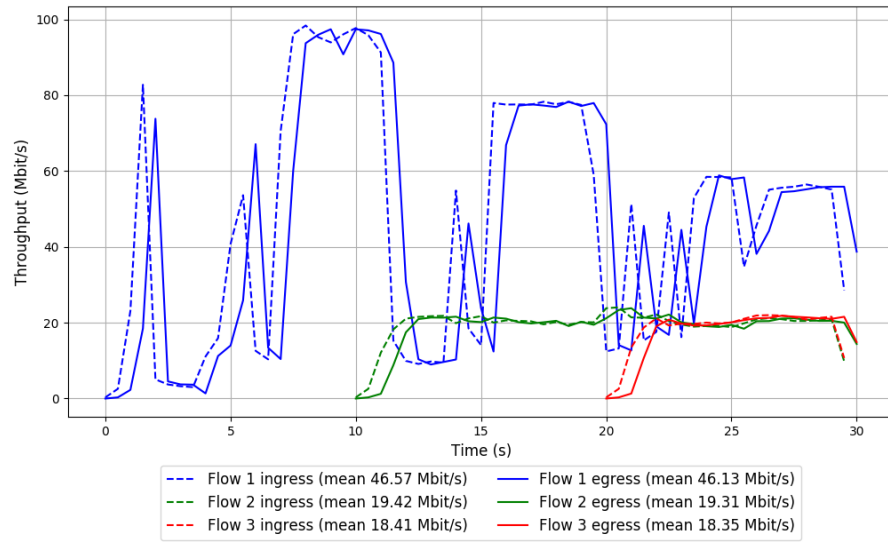


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 05:40:50
End at: 2018-07-10 05:41:20
Local clock offset: -0.294 ms
Remote clock offset: 13.824 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 108.227 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 108.357 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 19.31 Mbit/s
95th percentile per-packet one-way delay: 108.367 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 100.691 ms
Loss rate: 0.16%

Run 6: Report of QUIC Cubic — Data Link

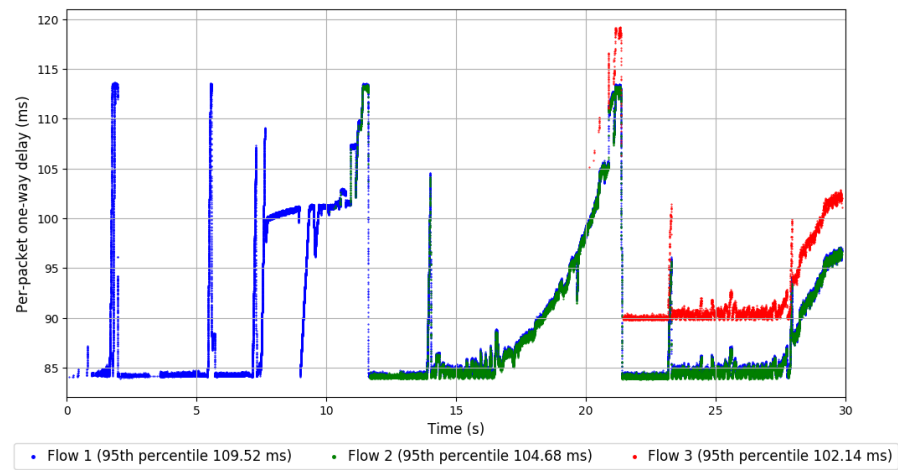
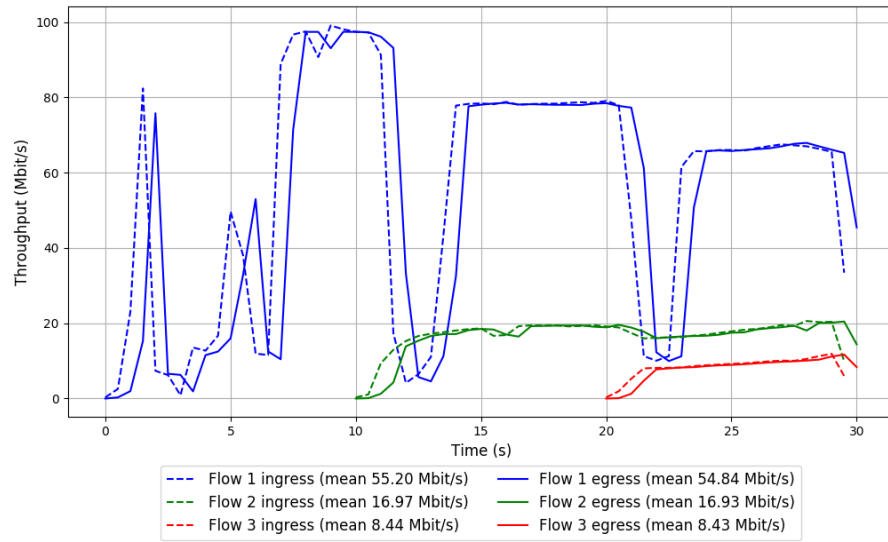


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 06:02:02
End at: 2018-07-10 06:02:32
Local clock offset: -0.108 ms
Remote clock offset: 26.664 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.81 Mbit/s
95th percentile per-packet one-way delay: 108.863 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 109.518 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 104.684 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 102.141 ms
Loss rate: 0.18%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 06:23:08

End at: 2018-07-10 06:23:38

Local clock offset: -0.018 ms

Remote clock offset: 26.01 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.91 Mbit/s

95th percentile per-packet one-way delay: 104.767 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 45.78 Mbit/s

95th percentile per-packet one-way delay: 105.424 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 16.56 Mbit/s

95th percentile per-packet one-way delay: 103.863 ms

Loss rate: 0.65%

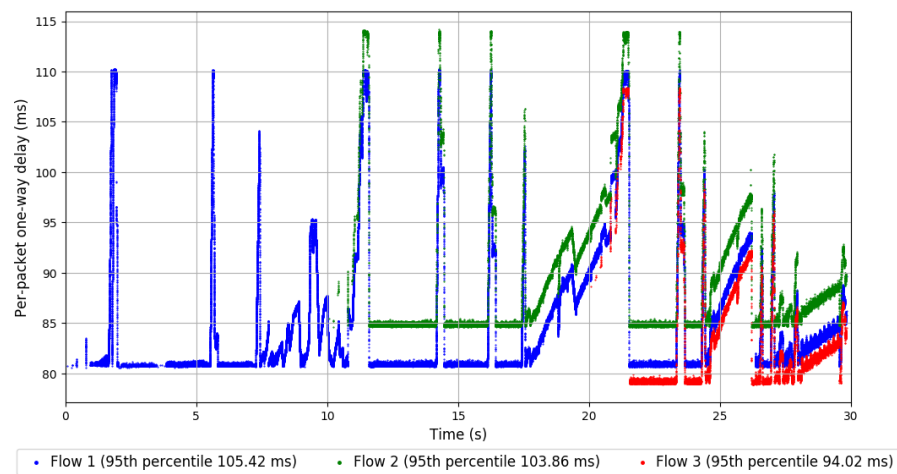
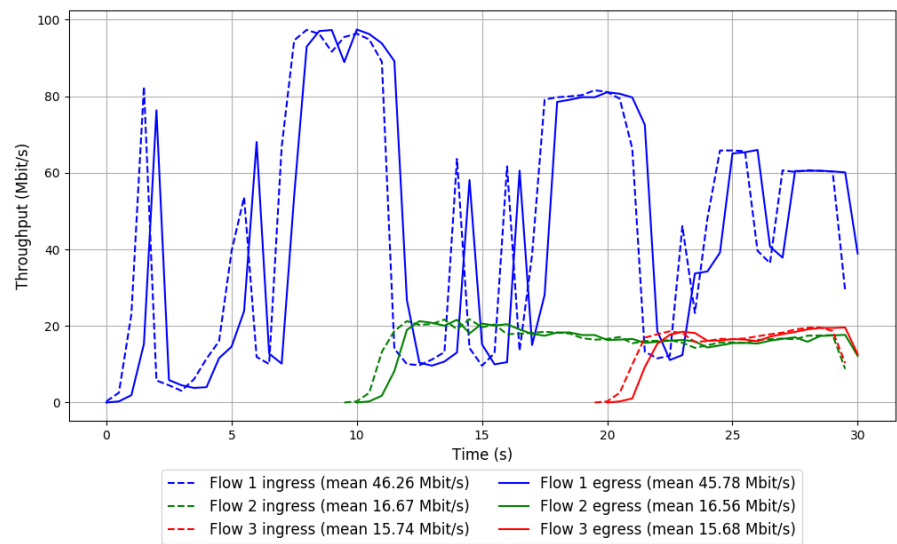
-- Flow 3:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 94.024 ms

Loss rate: 0.41%

Run 8: Report of QUIC Cubic — Data Link

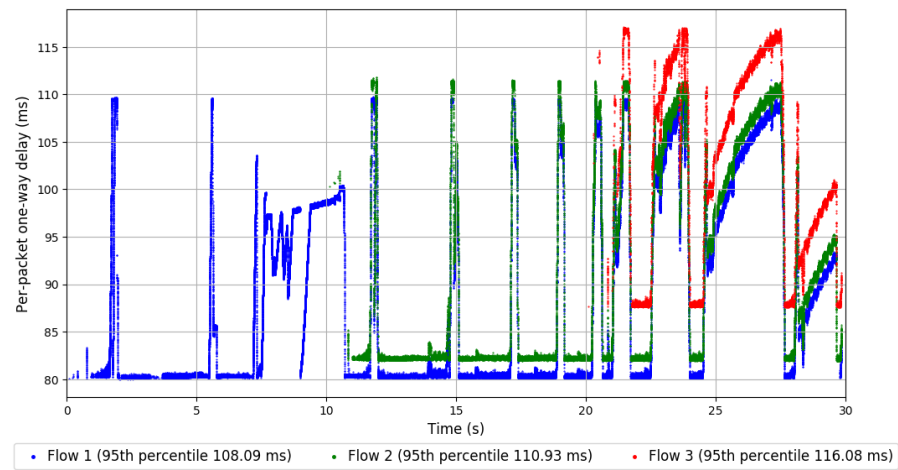
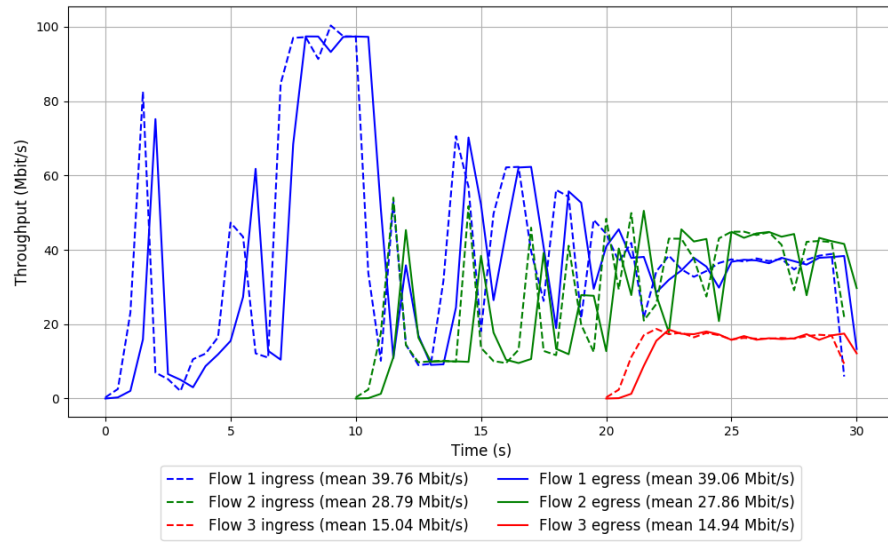


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 06:44:20
End at: 2018-07-10 06:44:50
Local clock offset: -0.103 ms
Remote clock offset: 31.348 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 110.420 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 108.094 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 110.926 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 116.077 ms
Loss rate: 0.71%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 07:05:31

End at: 2018-07-10 07:06:01

Local clock offset: -0.085 ms

Remote clock offset: 5.245 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.12 Mbit/s

95th percentile per-packet one-way delay: 111.351 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 30.01 Mbit/s

95th percentile per-packet one-way delay: 114.952 ms

Loss rate: 1.46%

-- Flow 2:

Average throughput: 42.45 Mbit/s

95th percentile per-packet one-way delay: 107.919 ms

Loss rate: 0.85%

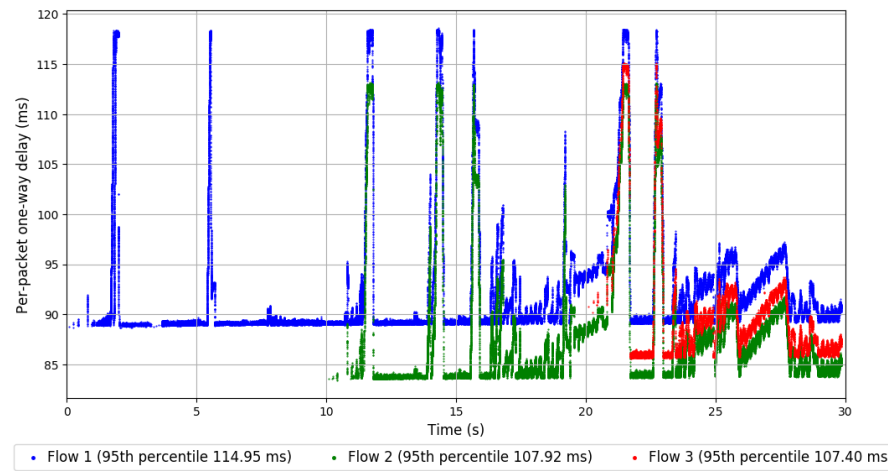
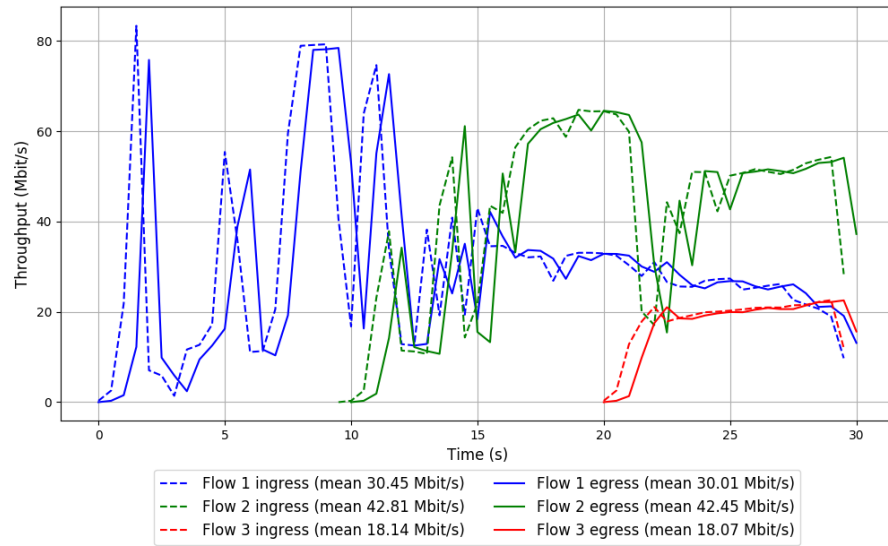
-- Flow 3:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 107.403 ms

Loss rate: 0.45%

Run 10: Report of QUIC Cubic — Data Link

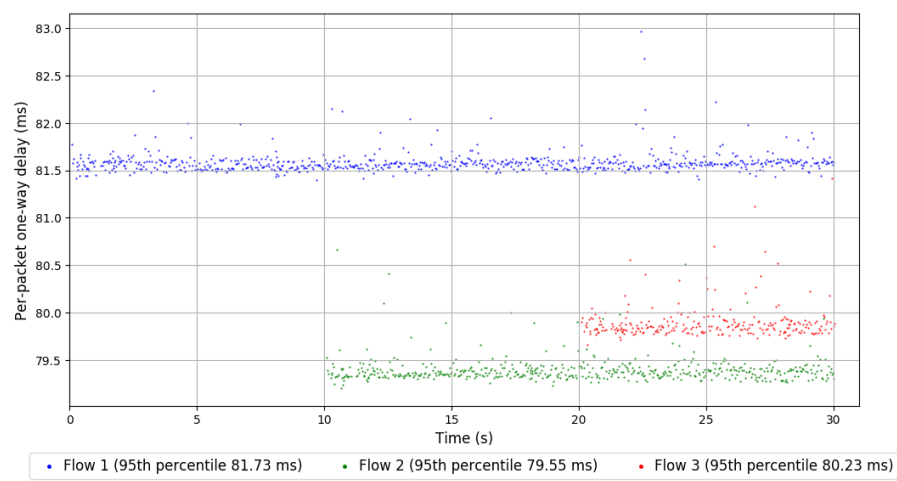
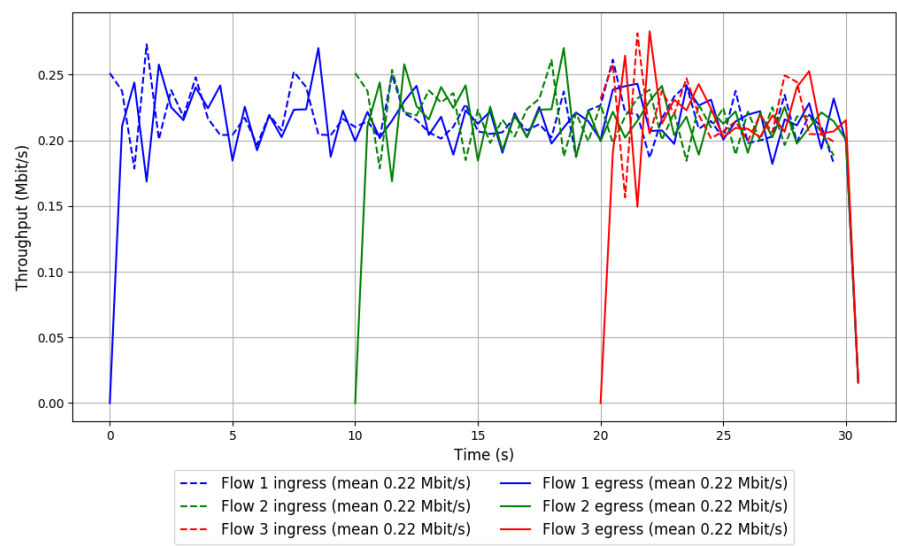


```
Run 1: Statistics of SReAM

Start at: 2018-07-10 03:51:10
End at: 2018-07-10 03:51:40
Local clock offset: -0.606 ms
Remote clock offset: 2.545 ms

# Below is generated by plot.py at 2018-07-10 07:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.230 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

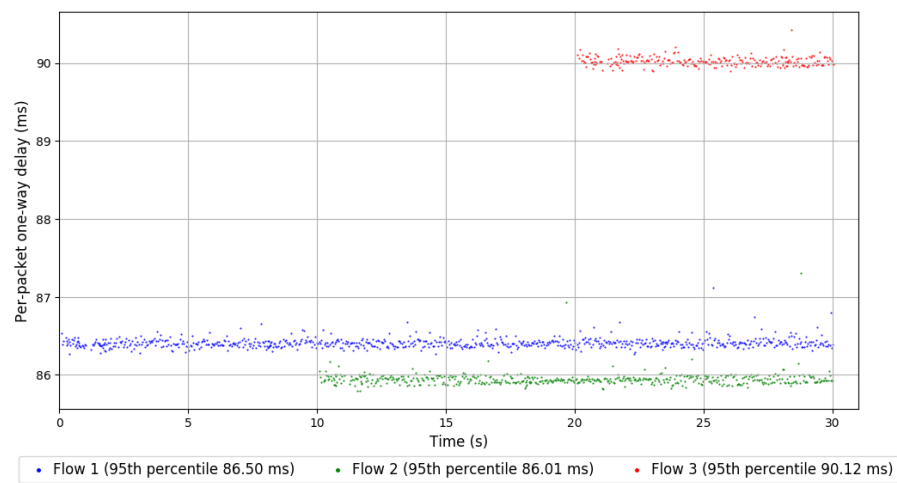
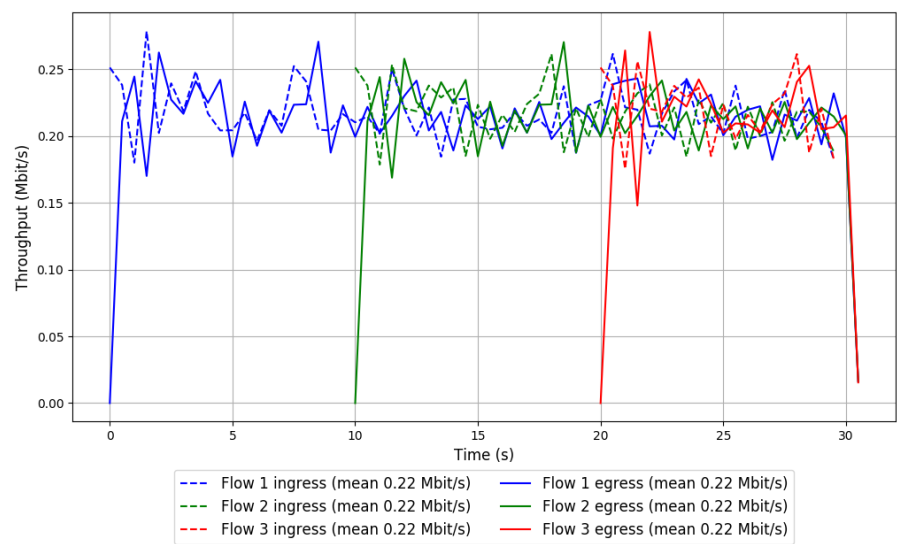


```
Run 2: Statistics of SReAM

Start at: 2018-07-10 04:12:21
End at: 2018-07-10 04:12:51
Local clock offset: -0.599 ms
Remote clock offset: 7.616 ms

# Below is generated by plot.py at 2018-07-10 07:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 90.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.120 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

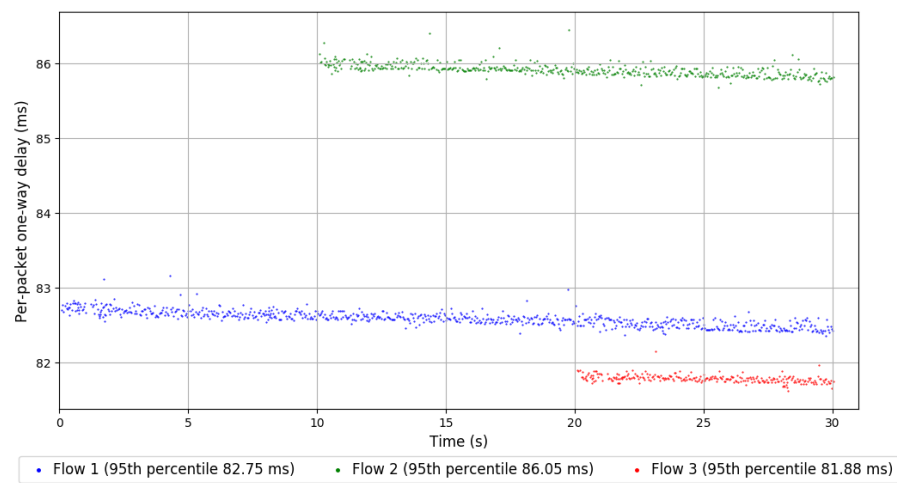
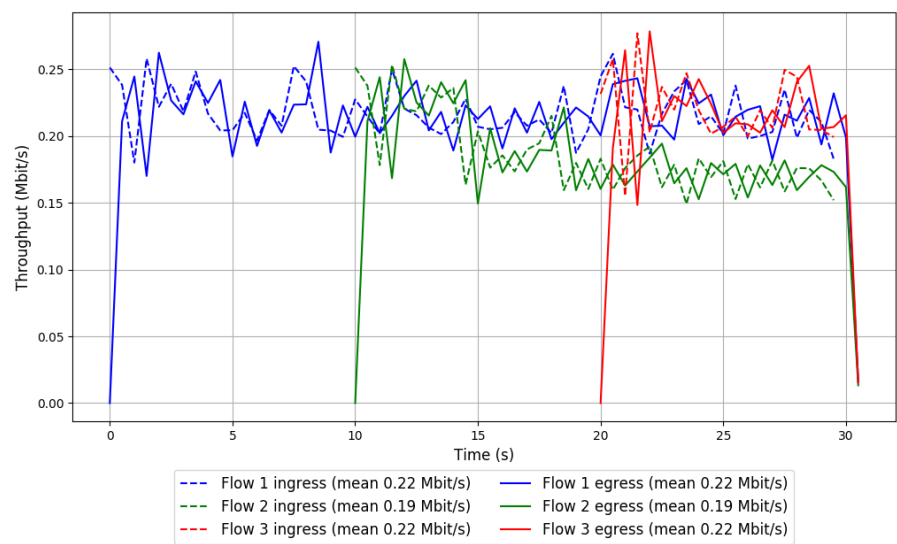


Run 3: Statistics of SReAM

Start at: 2018-07-10 04:33:30
End at: 2018-07-10 04:34:00
Local clock offset: -0.652 ms
Remote clock offset: 6.044 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 85.992 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.052 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.884 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

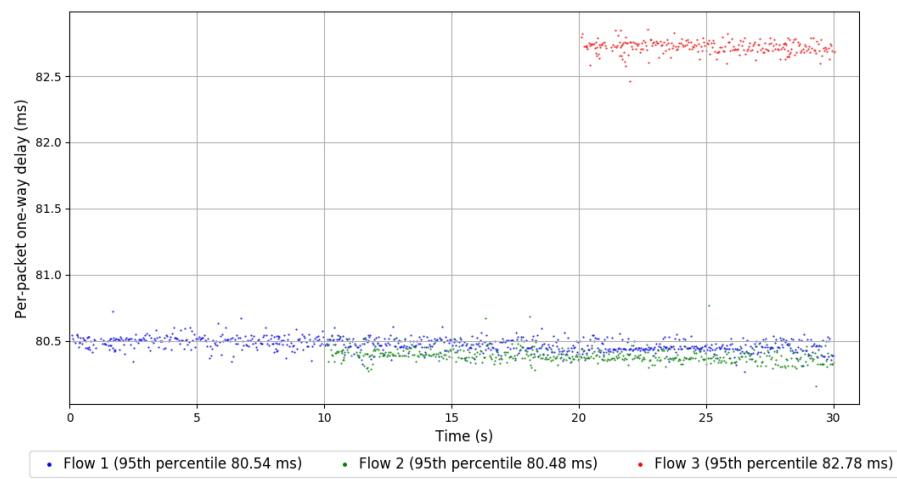
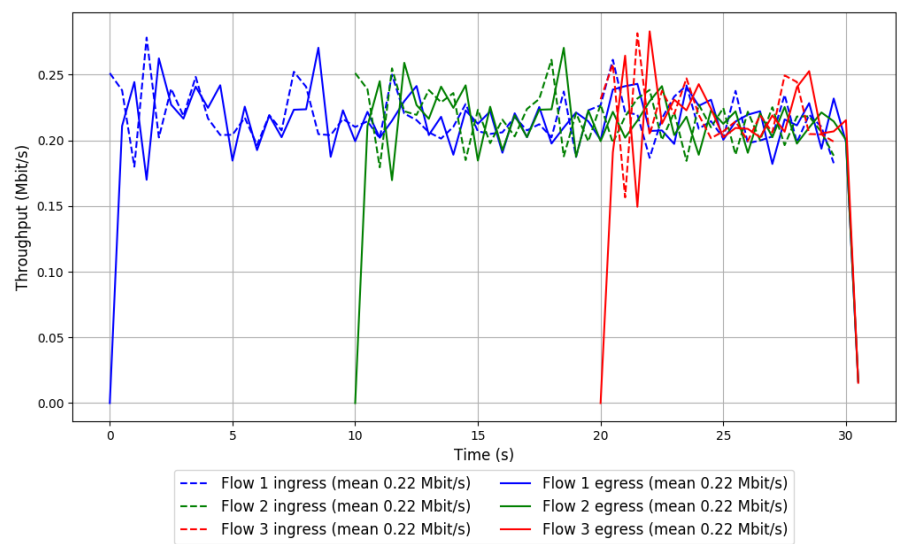


Run 4: Statistics of SReAM

Start at: 2018-07-10 04:54:42
End at: 2018-07-10 04:55:12
Local clock offset: -0.566 ms
Remote clock offset: 11.813 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 82.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.477 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.783 ms
Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link

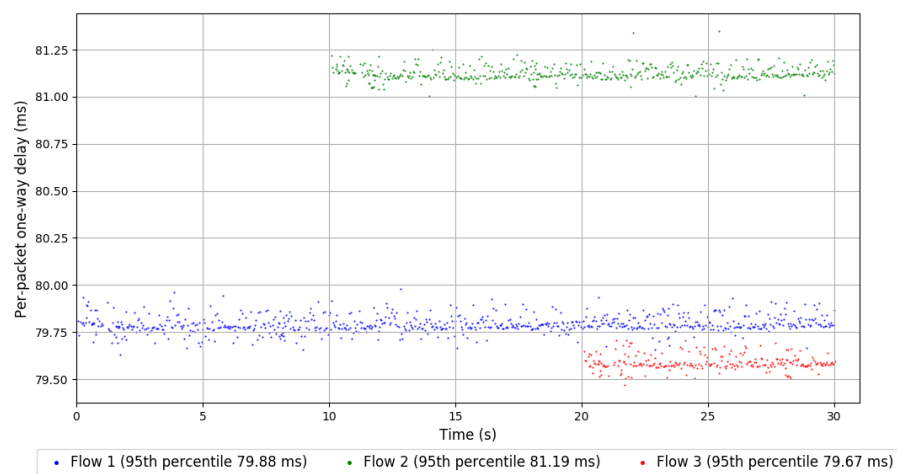
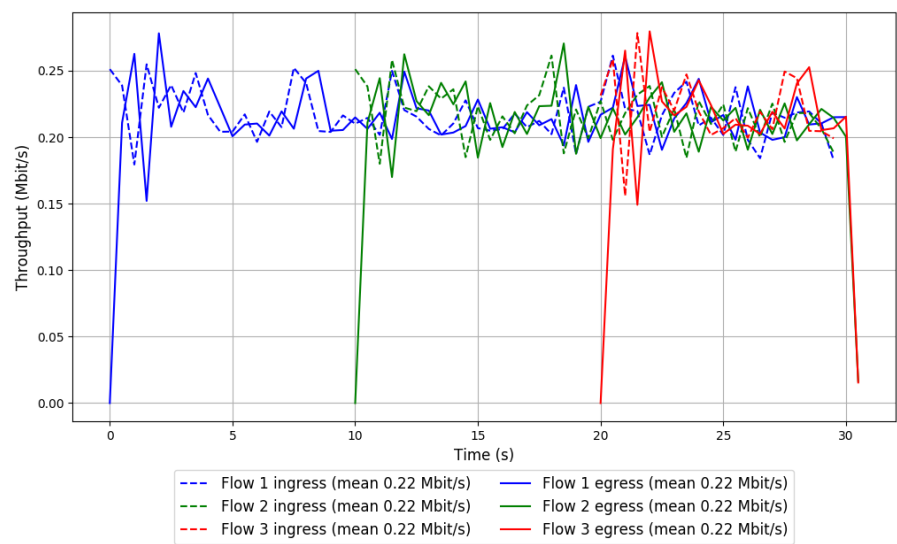


Run 5: Statistics of SReAM

Start at: 2018-07-10 05:15:54
End at: 2018-07-10 05:16:24
Local clock offset: -0.509 ms
Remote clock offset: 10.263 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.189 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 79.671 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

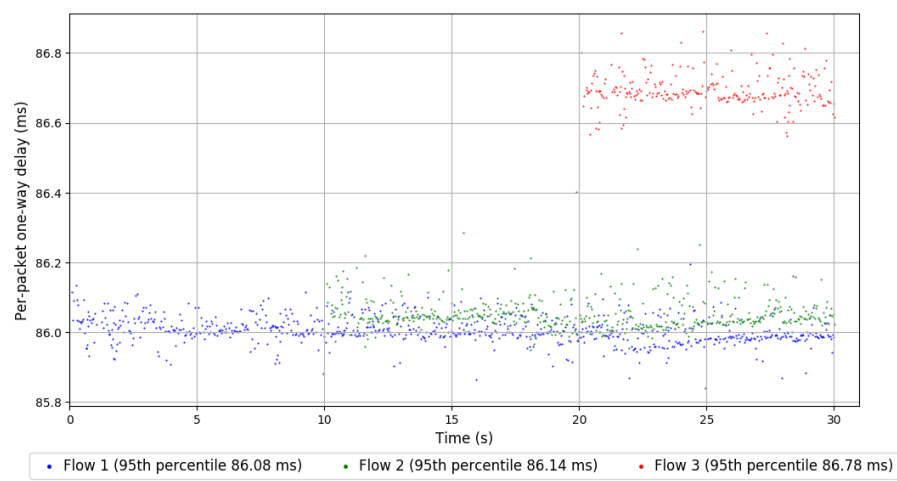
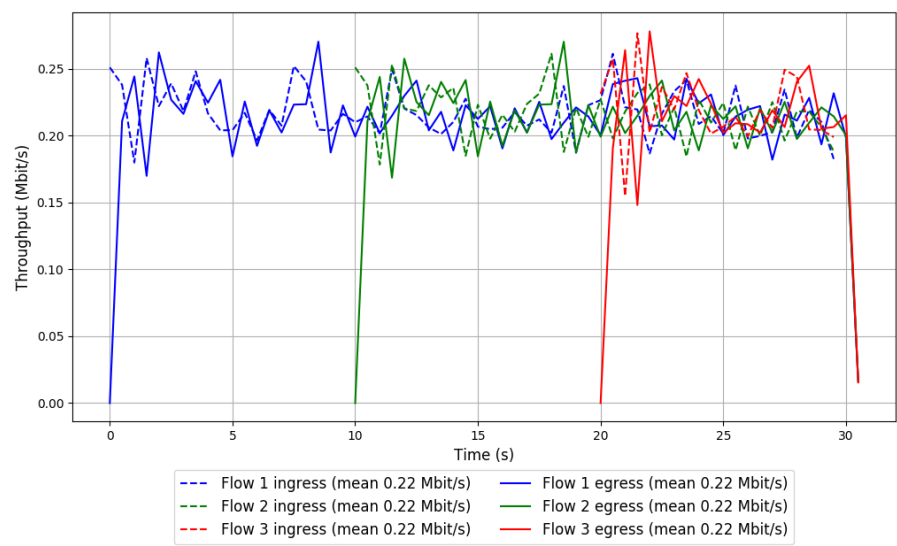


Run 6: Statistics of SReAM

Start at: 2018-07-10 05:37:07
End at: 2018-07-10 05:37:37
Local clock offset: -0.377 ms
Remote clock offset: 15.656 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.779 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

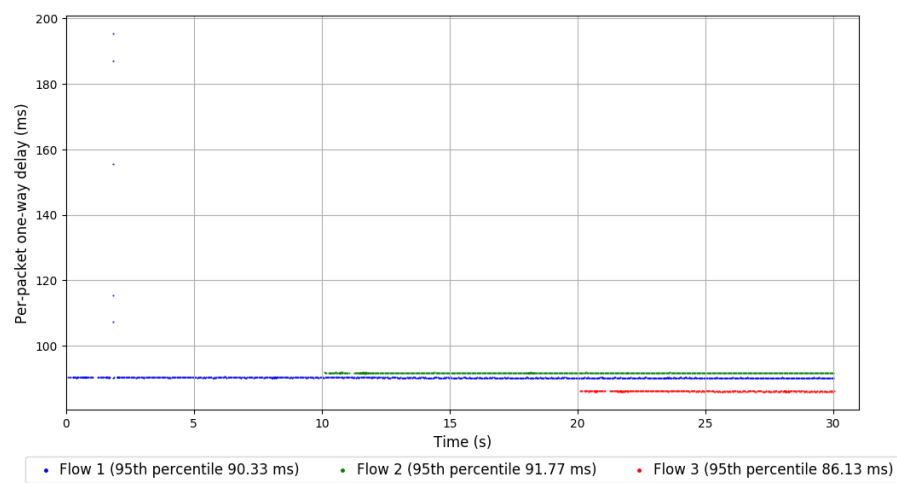
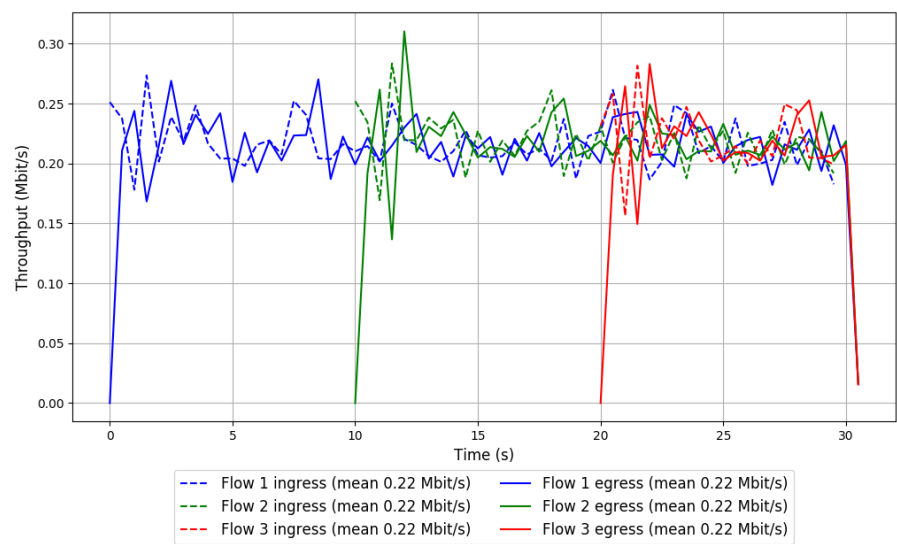


Run 7: Statistics of SReAM

Start at: 2018-07-10 05:58:20
End at: 2018-07-10 05:58:50
Local clock offset: -0.145 ms
Remote clock offset: 25.748 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 91.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.329 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.766 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.130 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-10 06:19:26

End at: 2018-07-10 06:19:56

Local clock offset: -0.087 ms

Remote clock offset: 29.4 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 89.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.272 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.956 ms

Loss rate: 0.00%

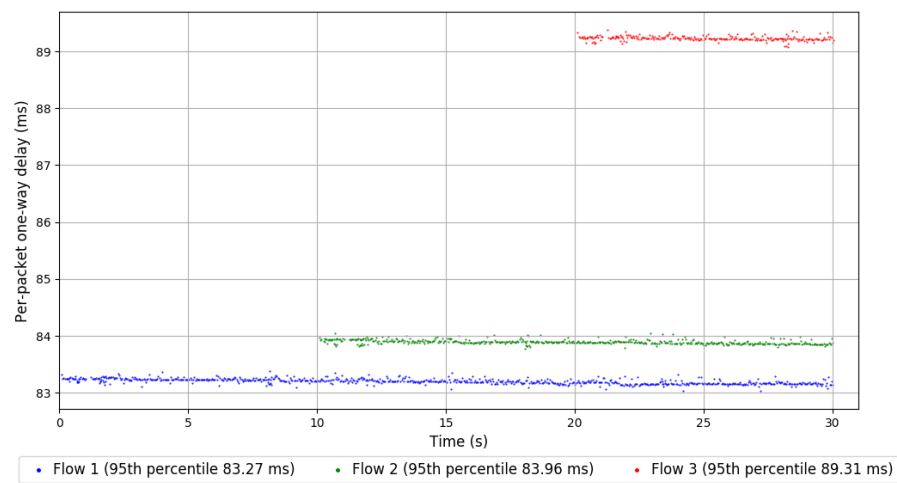
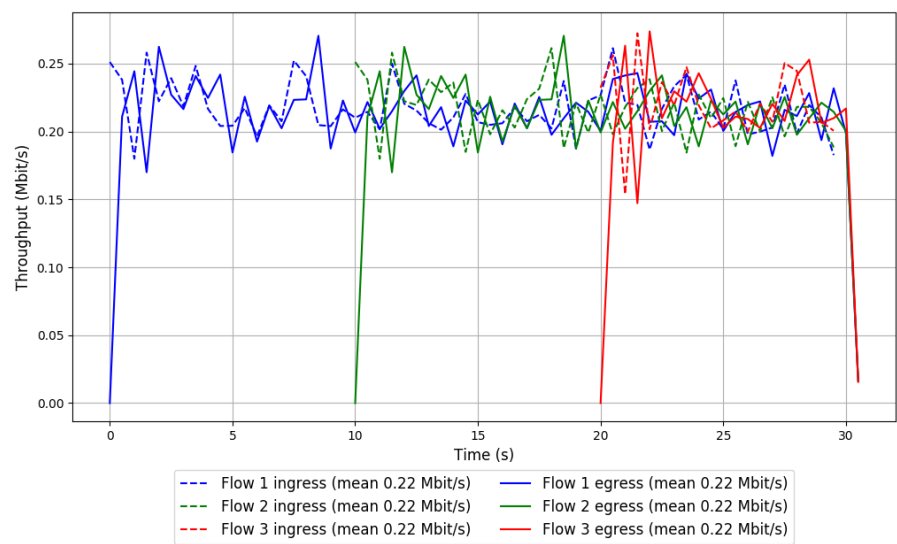
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 89.307 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

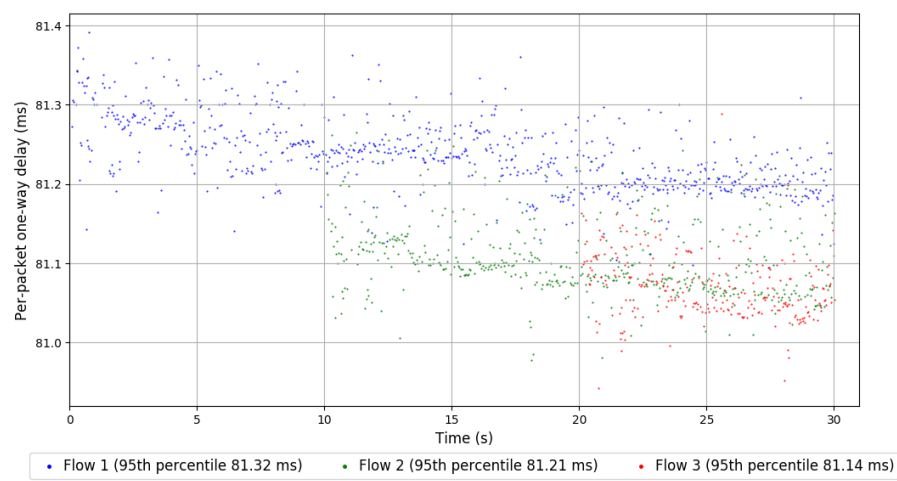
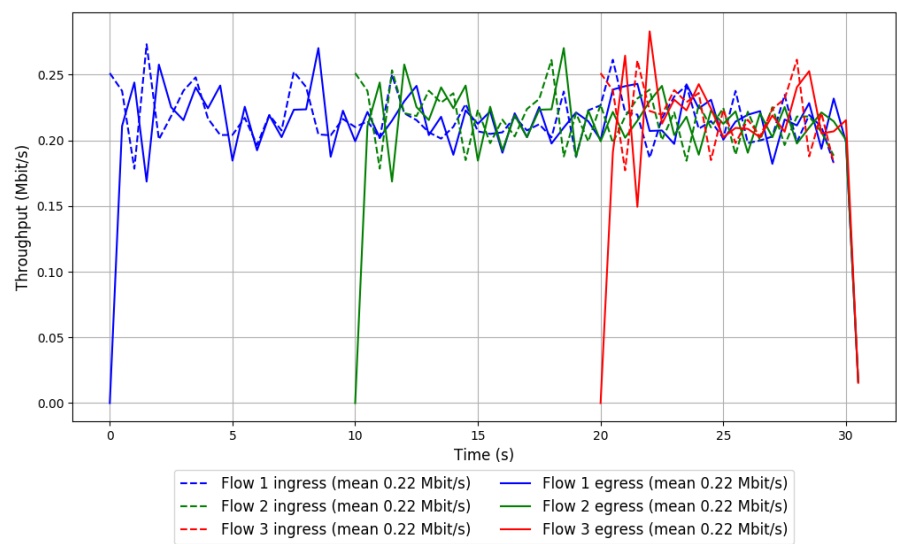


Run 9: Statistics of SReAM

Start at: 2018-07-10 06:40:38
End at: 2018-07-10 06:41:08
Local clock offset: -0.099 ms
Remote clock offset: 29.633 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.322 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.136 ms
Loss rate: 0.00%

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-10 07:01:47

End at: 2018-07-10 07:02:17

Local clock offset: -0.139 ms

Remote clock offset: 5.222 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 83.783 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.802 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.646 ms

Loss rate: 0.00%

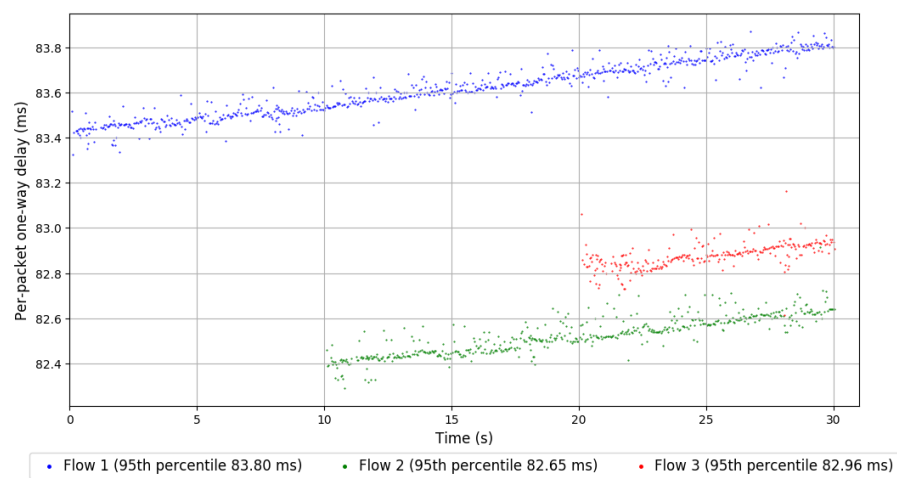
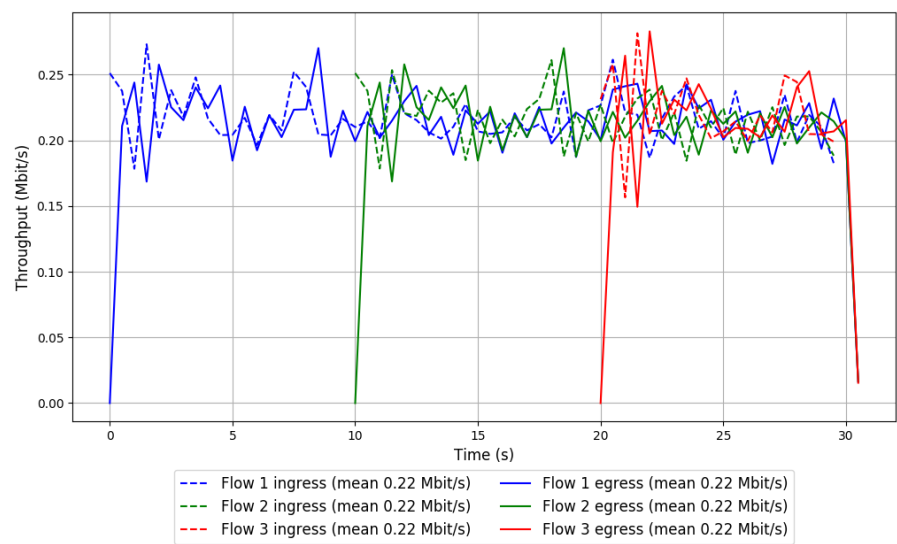
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.956 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-10 03:48:44

End at: 2018-07-10 03:49:14

Local clock offset: -0.612 ms

Remote clock offset: 6.439 ms

Below is generated by plot.py at 2018-07-10 07:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 86.147 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 84.850 ms

Loss rate: 0.00%

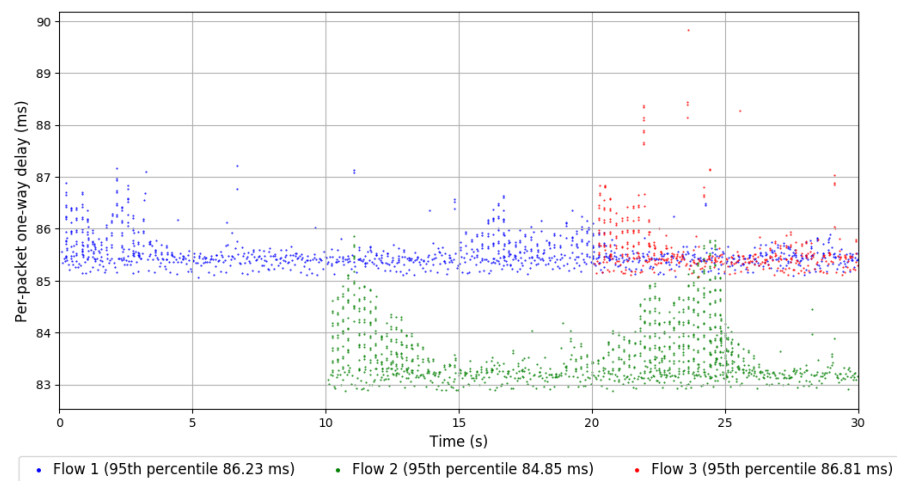
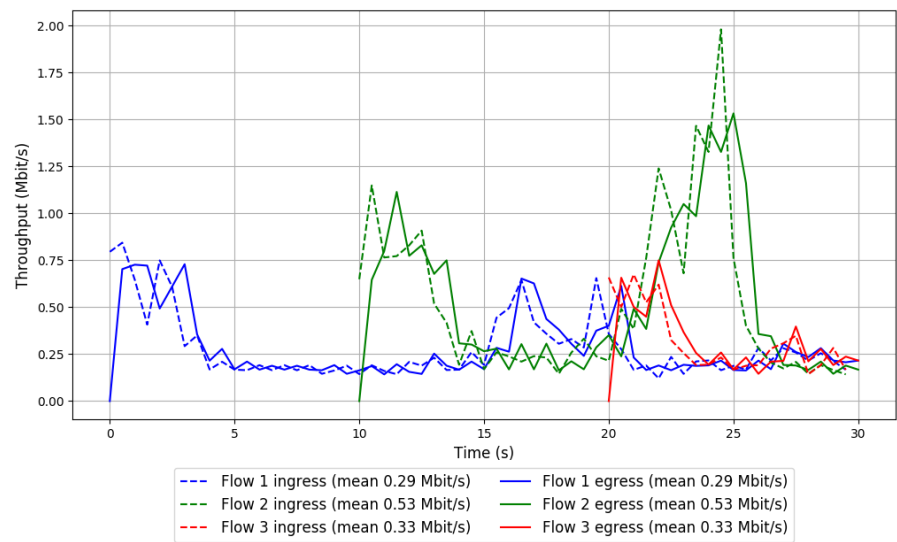
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.805 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

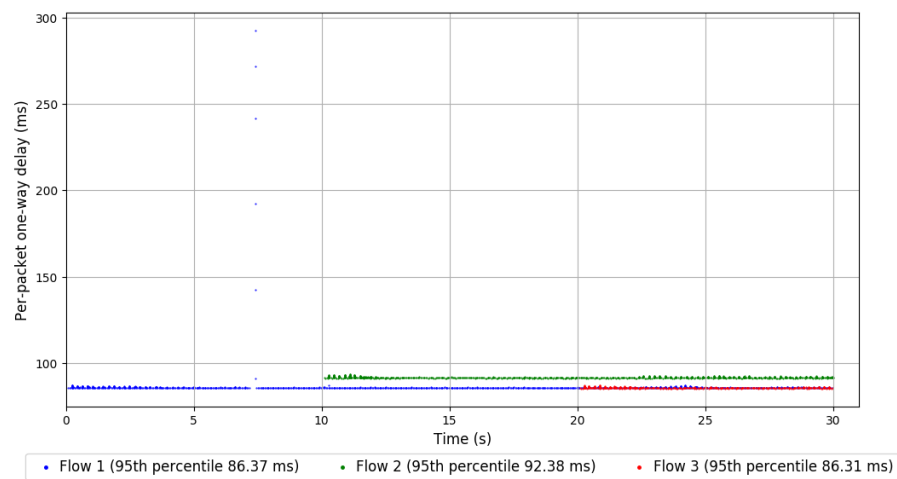
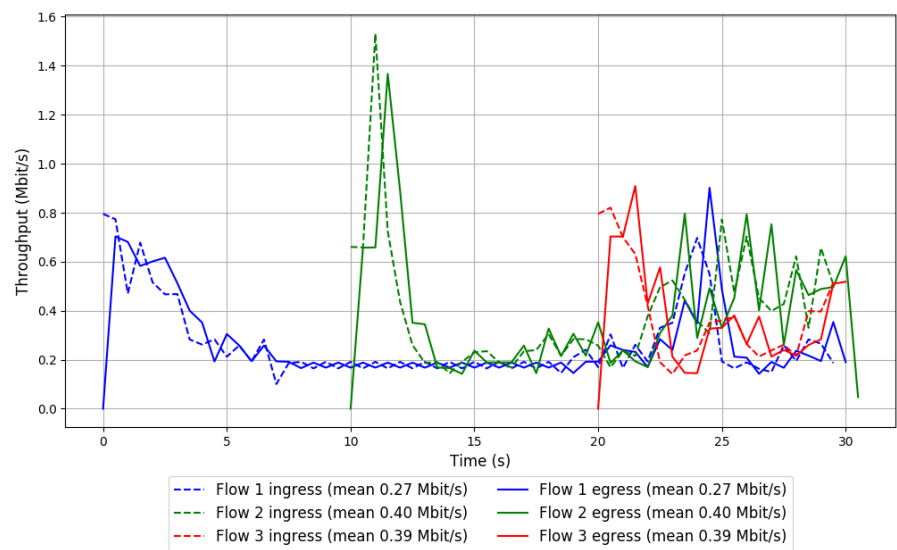


Run 2: Statistics of Sprout

Start at: 2018-07-10 04:09:55
End at: 2018-07-10 04:10:25
Local clock offset: -0.643 ms
Remote clock offset: 8.784 ms

```
# Below is generated by plot.py at 2018-07-10 07:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 92.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 92.383 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.315 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

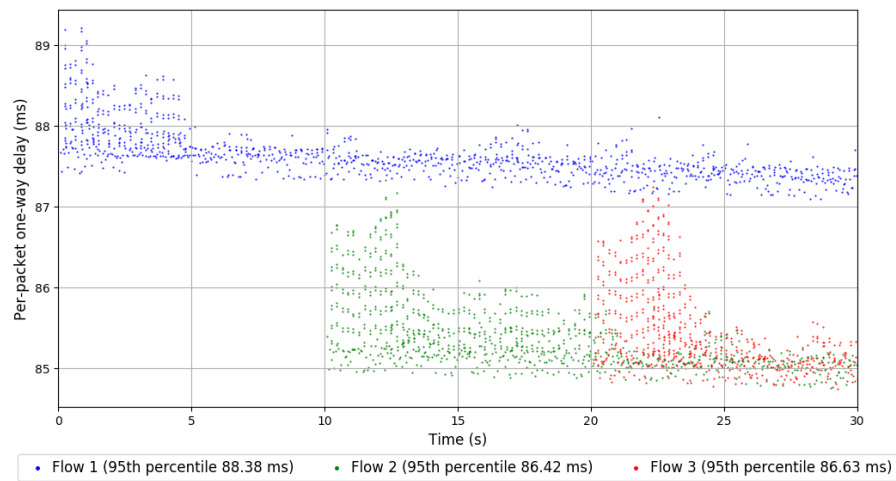
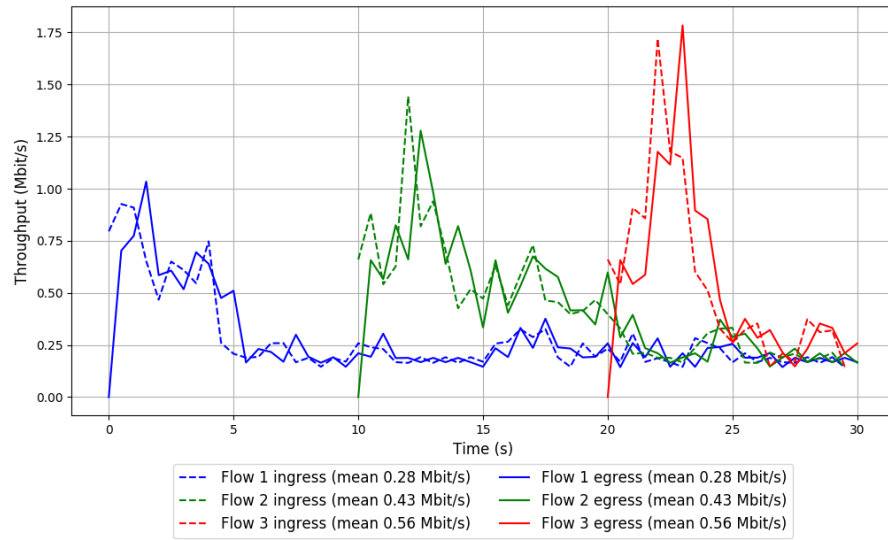


Run 3: Statistics of Sprout

Start at: 2018-07-10 04:31:04
End at: 2018-07-10 04:31:34
Local clock offset: -0.581 ms
Remote clock offset: 9.494 ms

```
# Below is generated by plot.py at 2018-07-10 07:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 88.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 88.378 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.628 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

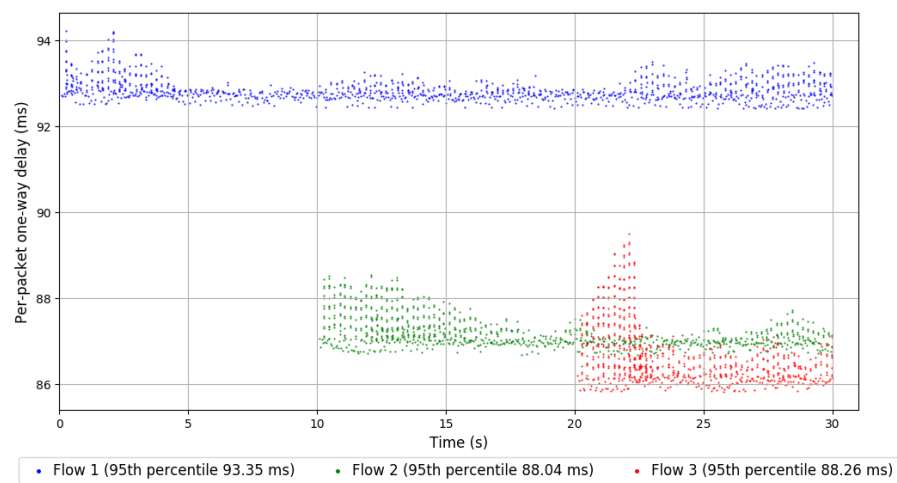
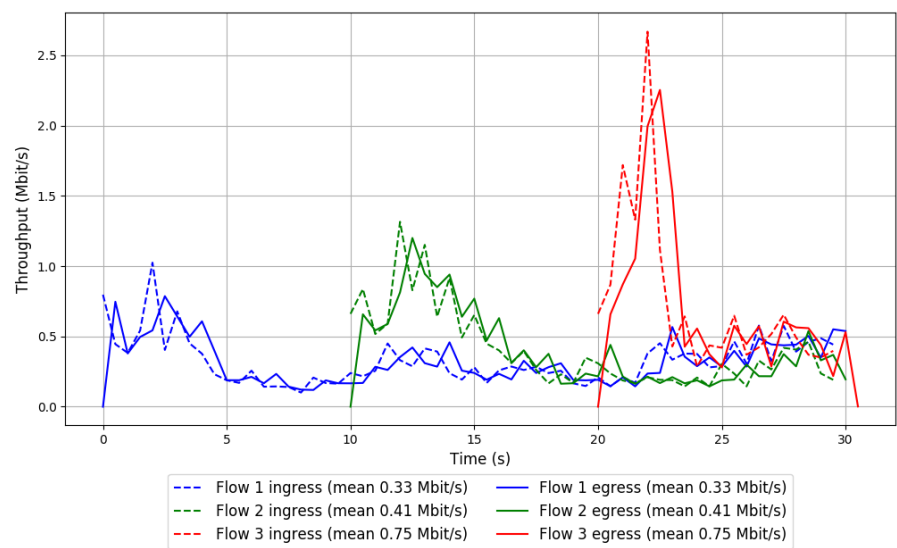


Run 4: Statistics of Sprout

Start at: 2018-07-10 04:52:15
End at: 2018-07-10 04:52:45
Local clock offset: -0.557 ms
Remote clock offset: 16.295 ms

```
# Below is generated by plot.py at 2018-07-10 07:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 93.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 93.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 88.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 88.260 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

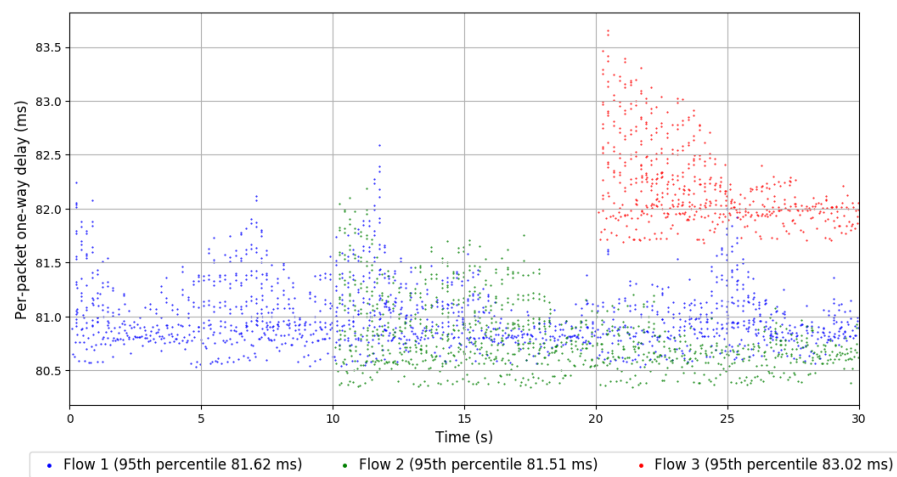
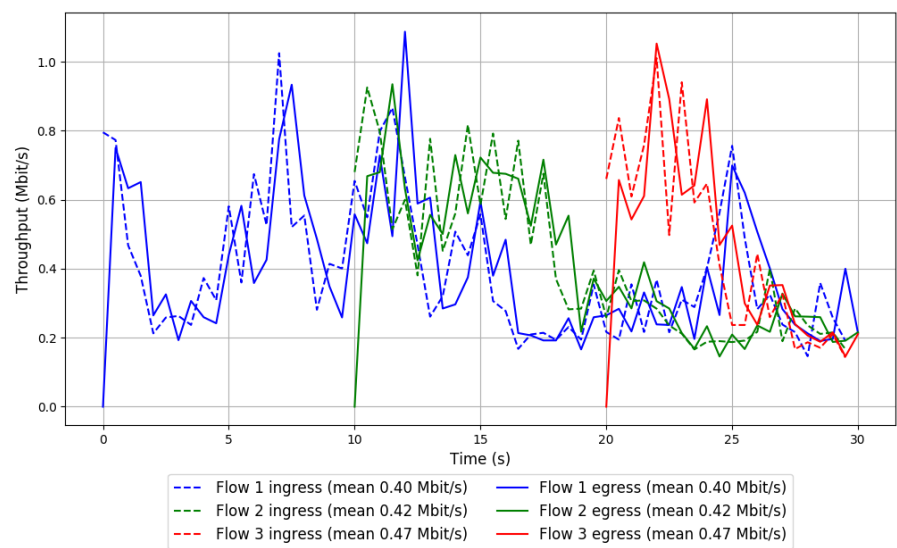


Run 5: Statistics of Sprout

Start at: 2018-07-10 05:13:28
End at: 2018-07-10 05:13:58
Local clock offset: -0.553 ms
Remote clock offset: 11.432 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 82.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 81.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 81.507 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 83.021 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

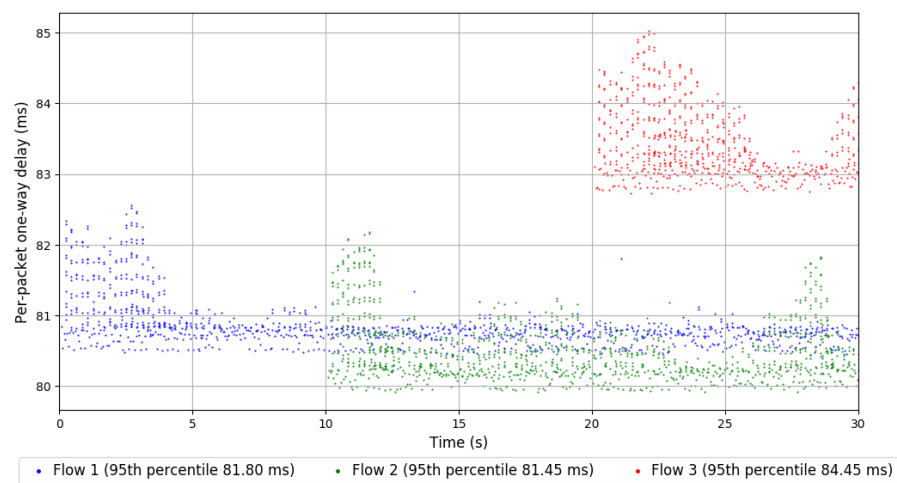
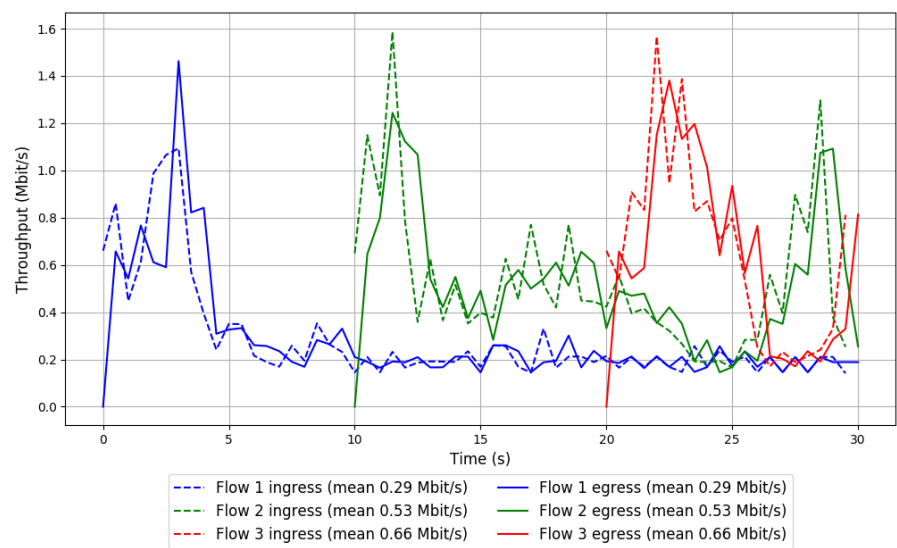


Run 6: Statistics of Sprout

Start at: 2018-07-10 05:34:41
End at: 2018-07-10 05:35:11
Local clock offset: -0.324 ms
Remote clock offset: 11.623 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 83.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 81.801 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 81.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 84.455 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

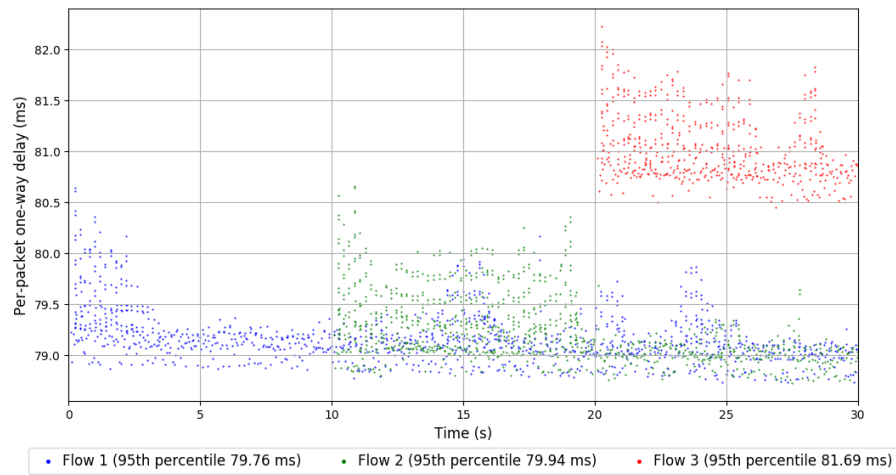
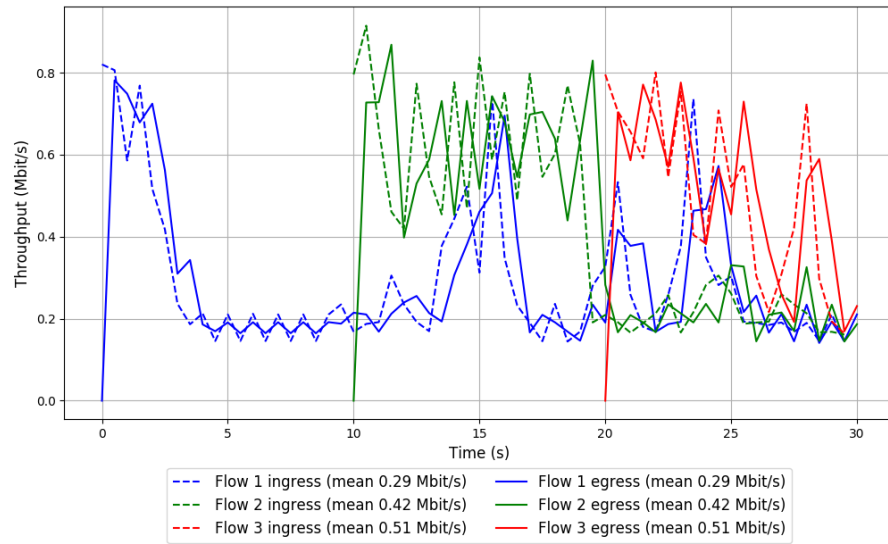


Run 7: Statistics of Sprout

Start at: 2018-07-10 05:55:54
End at: 2018-07-10 05:56:24
Local clock offset: -0.167 ms
Remote clock offset: 19.944 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 81.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 79.762 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 79.941 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 81.688 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

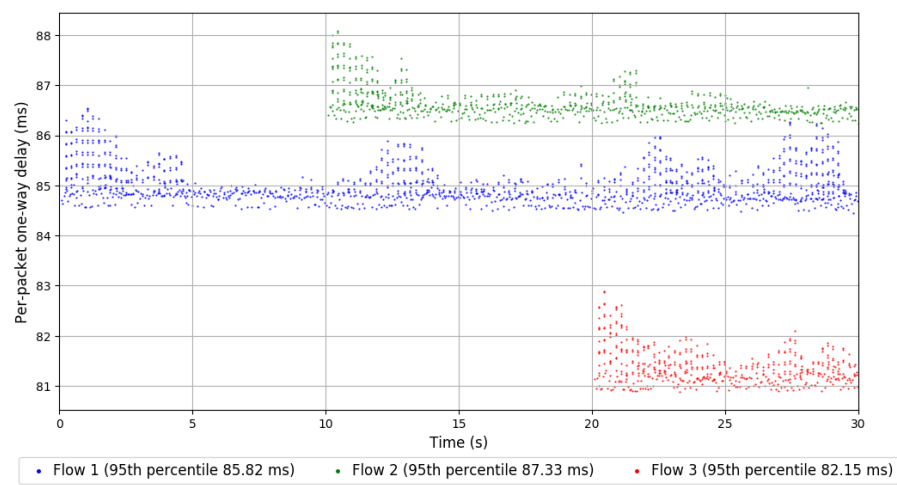
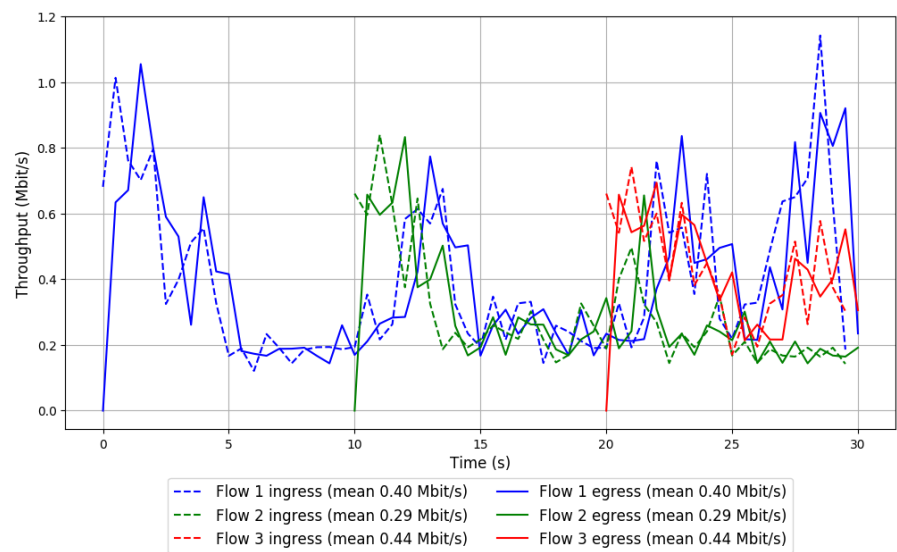


Run 8: Statistics of Sprout

Start at: 2018-07-10 06:16:59
End at: 2018-07-10 06:17:29
Local clock offset: -0.027 ms
Remote clock offset: 24.8 ms

```
# Below is generated by plot.py at 2018-07-10 07:27:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 86.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 85.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 87.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 82.152 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

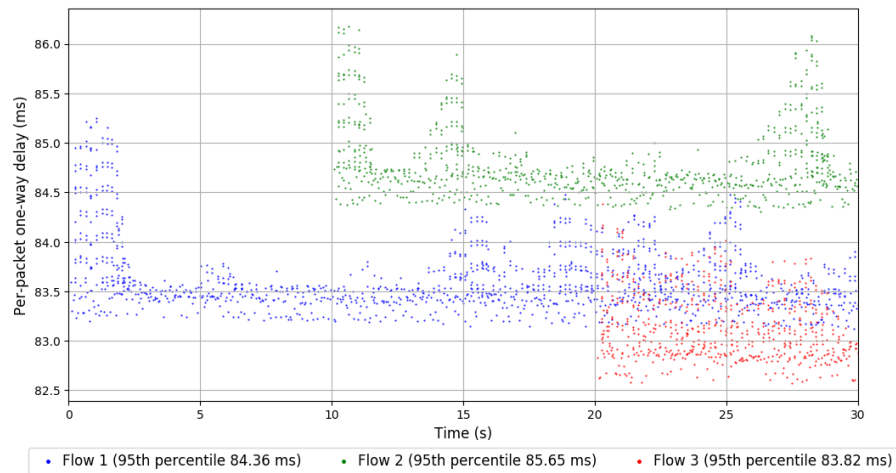
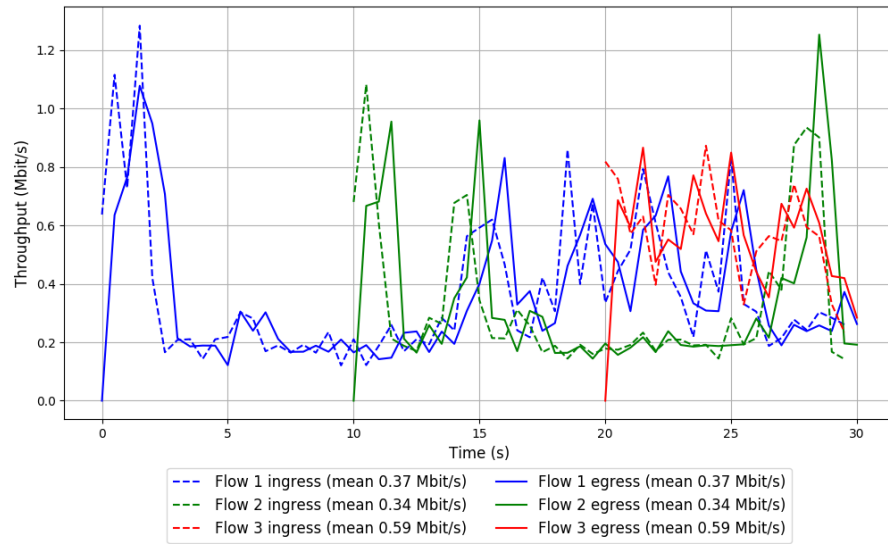


Run 9: Statistics of Sprout

Start at: 2018-07-10 06:38:11
End at: 2018-07-10 06:38:41
Local clock offset: -0.04 ms
Remote clock offset: 32.891 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 85.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 84.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 85.653 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 83.824 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

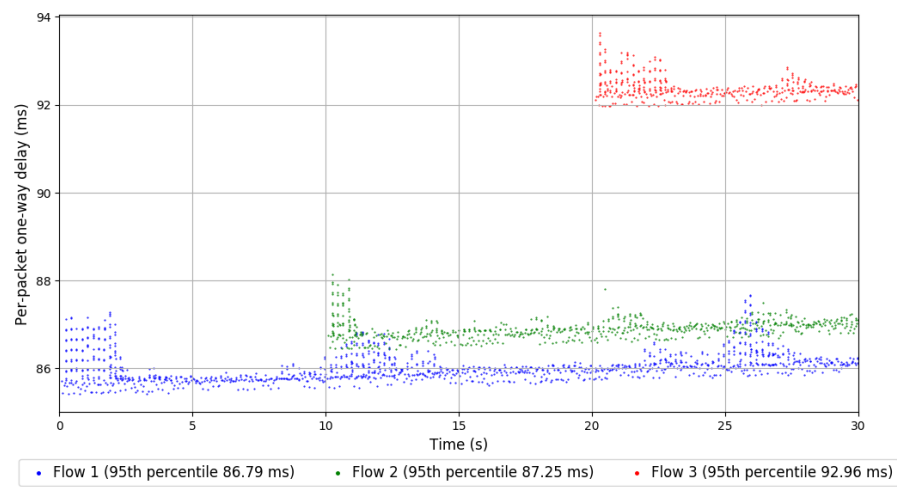
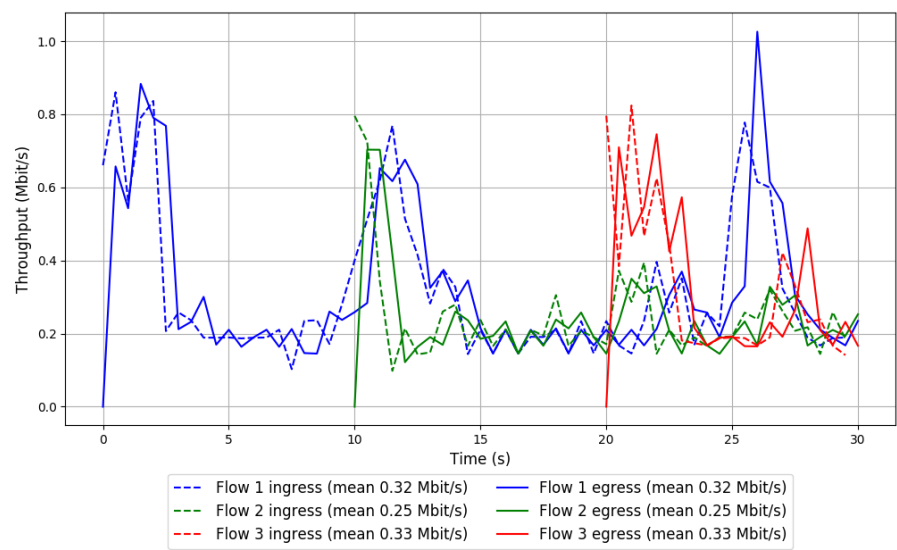


Run 10: Statistics of Sprout

Start at: 2018-07-10 06:59:21
End at: 2018-07-10 06:59:51
Local clock offset: -0.055 ms
Remote clock offset: 11.287 ms

Below is generated by plot.py at 2018-07-10 07:27:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 92.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 87.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 92.963 ms
Loss rate: 0.02%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 03:46:07

End at: 2018-07-10 03:46:37

Local clock offset: -0.592 ms

Remote clock offset: 8.764 ms

Below is generated by plot.py at 2018-07-10 07:29:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.84 Mbit/s

95th percentile per-packet one-way delay: 119.730 ms

Loss rate: 5.78%

-- Flow 1:

Average throughput: 42.48 Mbit/s

95th percentile per-packet one-way delay: 117.734 ms

Loss rate: 4.96%

-- Flow 2:

Average throughput: 37.43 Mbit/s

95th percentile per-packet one-way delay: 120.864 ms

Loss rate: 6.95%

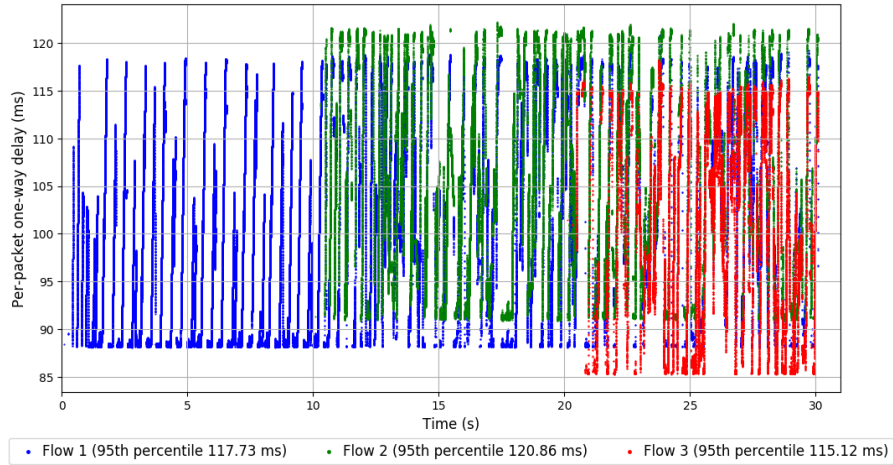
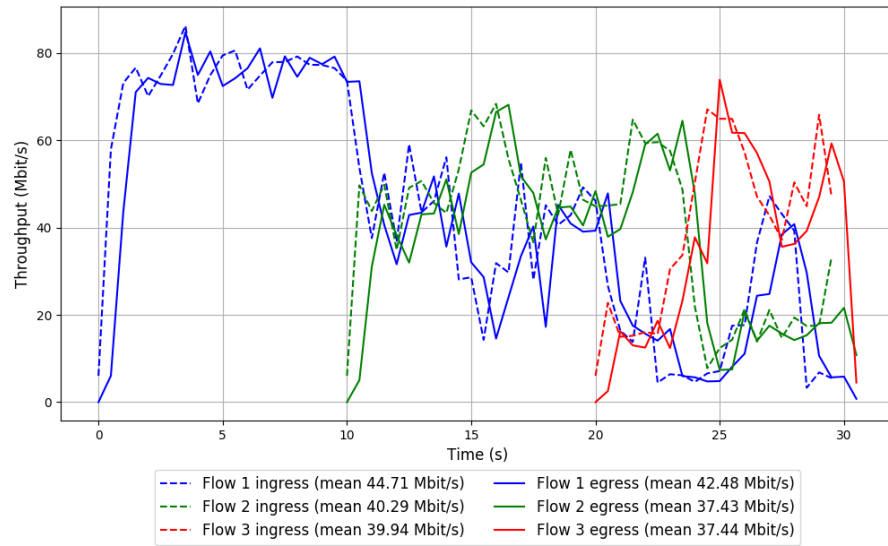
-- Flow 3:

Average throughput: 37.44 Mbit/s

95th percentile per-packet one-way delay: 115.120 ms

Loss rate: 6.19%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 04:07:19

End at: 2018-07-10 04:07:49

Local clock offset: -0.603 ms

Remote clock offset: 7.608 ms

Below is generated by plot.py at 2018-07-10 07:29:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.94 Mbit/s

95th percentile per-packet one-way delay: 116.162 ms

Loss rate: 6.47%

-- Flow 1:

Average throughput: 46.01 Mbit/s

95th percentile per-packet one-way delay: 116.515 ms

Loss rate: 3.98%

-- Flow 2:

Average throughput: 38.15 Mbit/s

95th percentile per-packet one-way delay: 114.160 ms

Loss rate: 9.31%

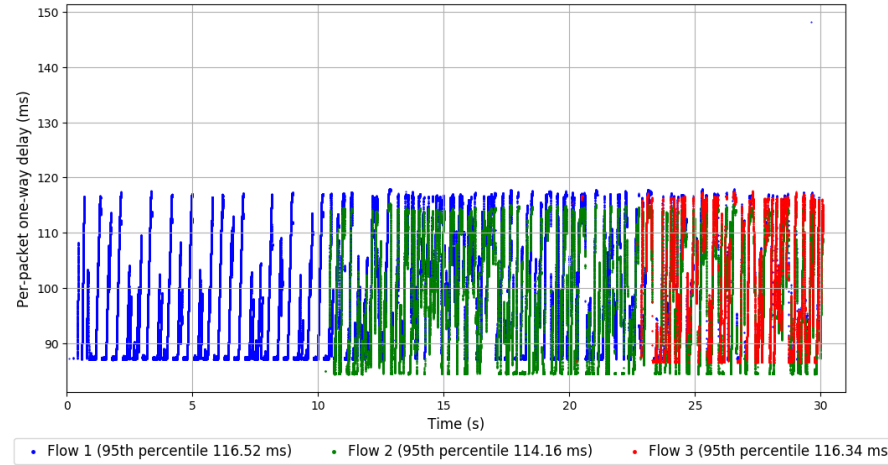
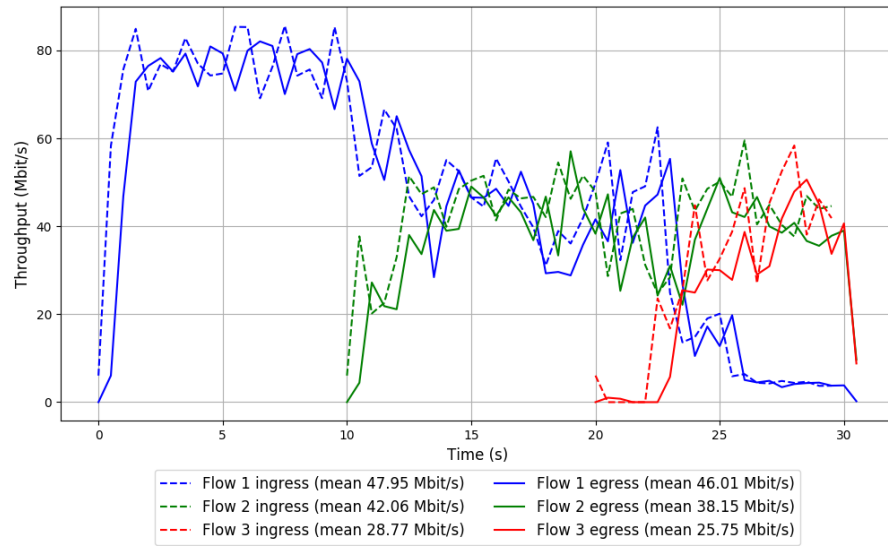
-- Flow 3:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 116.340 ms

Loss rate: 10.59%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 04:28:29

End at: 2018-07-10 04:28:59

Local clock offset: -0.663 ms

Remote clock offset: 8.705 ms

Below is generated by plot.py at 2018-07-10 07:29:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.55 Mbit/s

95th percentile per-packet one-way delay: 116.654 ms

Loss rate: 4.97%

-- Flow 1:

Average throughput: 43.66 Mbit/s

95th percentile per-packet one-way delay: 116.499 ms

Loss rate: 3.51%

-- Flow 2:

Average throughput: 45.72 Mbit/s

95th percentile per-packet one-way delay: 116.749 ms

Loss rate: 5.46%

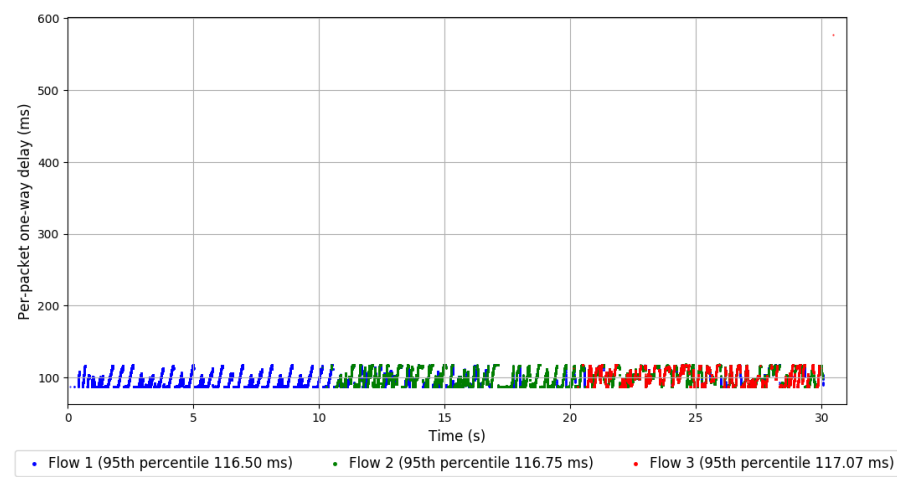
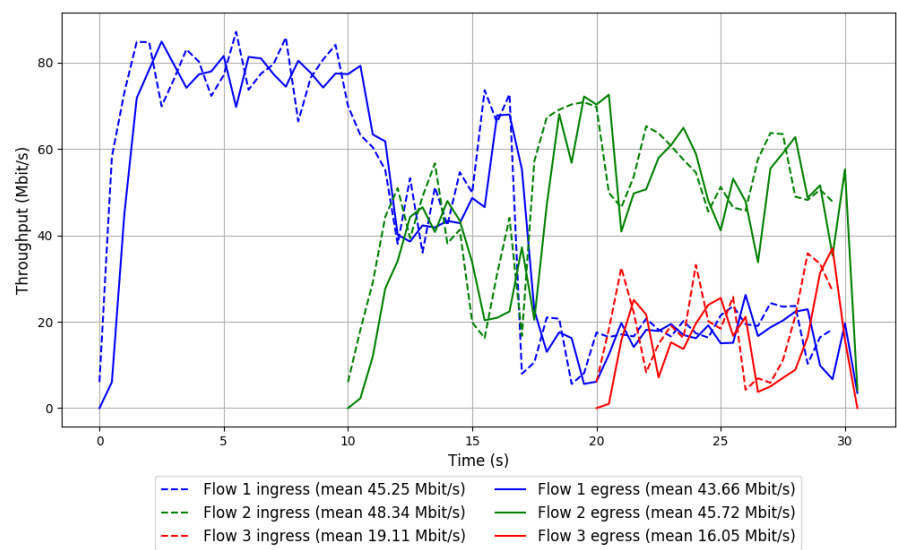
-- Flow 3:

Average throughput: 16.05 Mbit/s

95th percentile per-packet one-way delay: 117.068 ms

Loss rate: 12.86%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 04:49:40

End at: 2018-07-10 04:50:10

Local clock offset: -0.645 ms

Remote clock offset: 9.923 ms

Below is generated by plot.py at 2018-07-10 07:29:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.05 Mbit/s

95th percentile per-packet one-way delay: 111.681 ms

Loss rate: 6.46%

-- Flow 1:

Average throughput: 52.70 Mbit/s

95th percentile per-packet one-way delay: 111.448 ms

Loss rate: 4.62%

-- Flow 2:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 111.036 ms

Loss rate: 10.21%

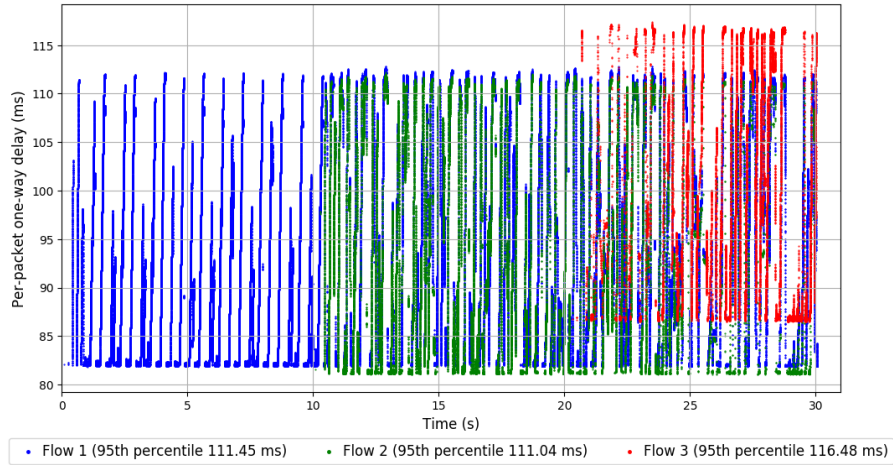
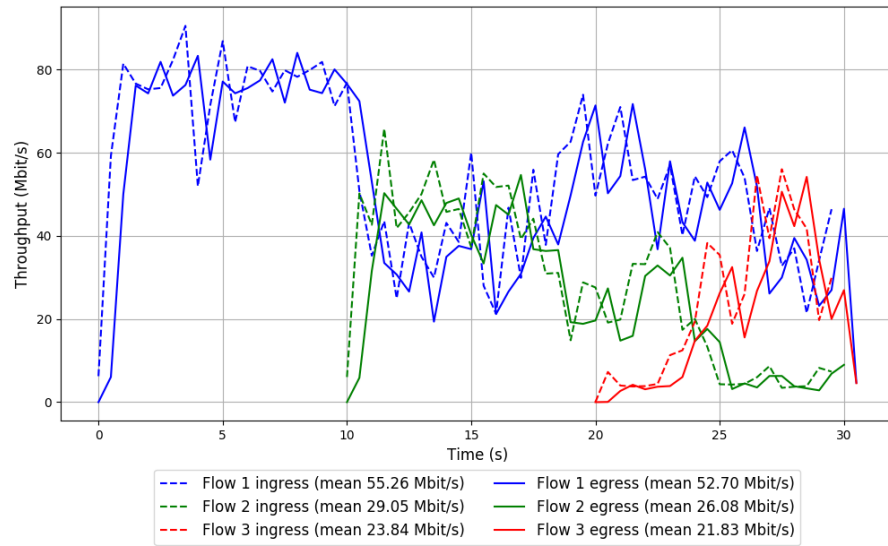
-- Flow 3:

Average throughput: 21.83 Mbit/s

95th percentile per-packet one-way delay: 116.481 ms

Loss rate: 10.18%

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

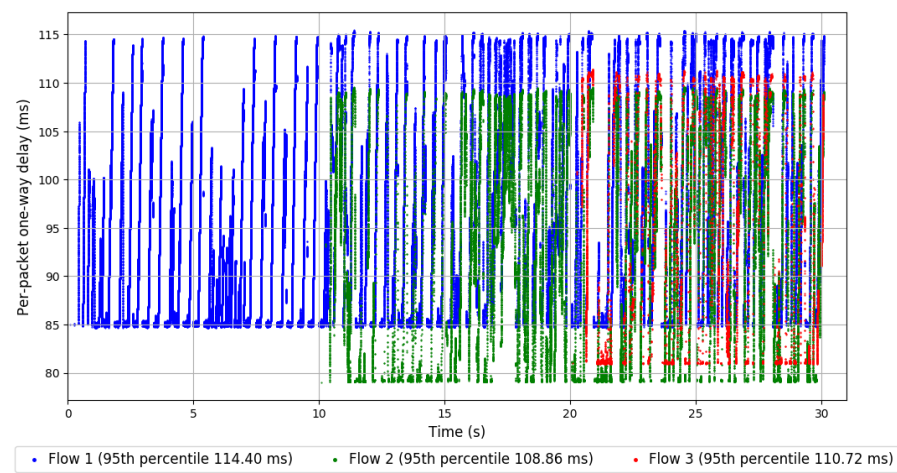
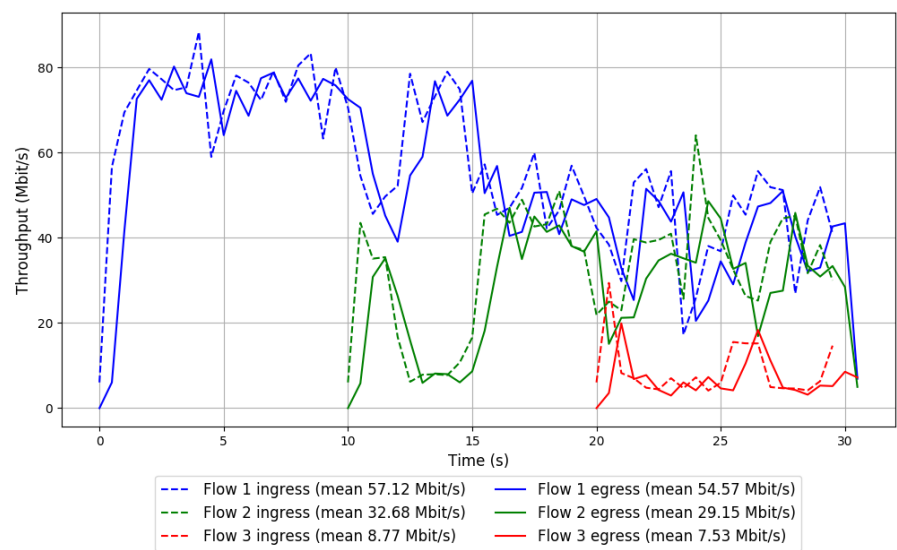


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 05:10:51
End at: 2018-07-10 05:11:21
Local clock offset: -0.571 ms
Remote clock offset: 10.477 ms

Below is generated by plot.py at 2018-07-10 07:29:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 114.237 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 54.57 Mbit/s
95th percentile per-packet one-way delay: 114.396 ms
Loss rate: 4.39%
-- Flow 2:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 108.863 ms
Loss rate: 10.69%
-- Flow 3:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 110.723 ms
Loss rate: 13.86%

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

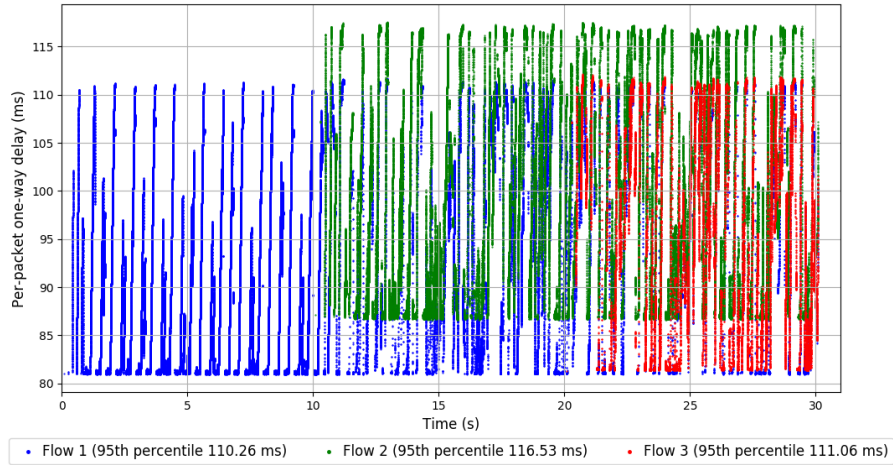
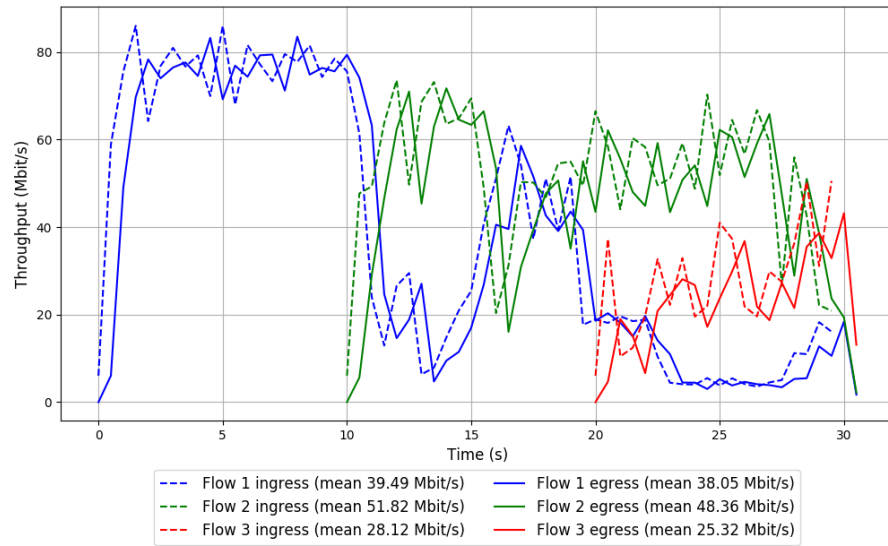


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 05:32:05
End at: 2018-07-10 05:32:35
Local clock offset: -0.353 ms
Remote clock offset: 10.502 ms

Below is generated by plot.py at 2018-07-10 07:29:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 115.806 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 110.259 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 116.535 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 25.32 Mbit/s
95th percentile per-packet one-way delay: 111.061 ms
Loss rate: 9.78%

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

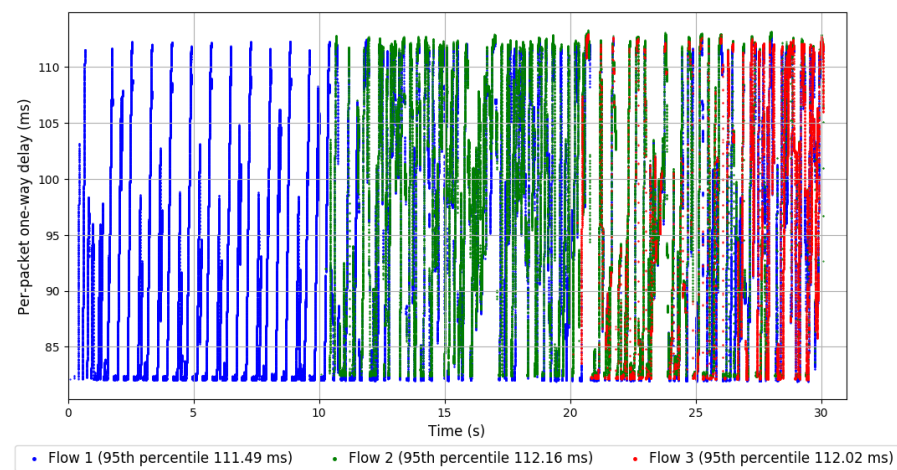
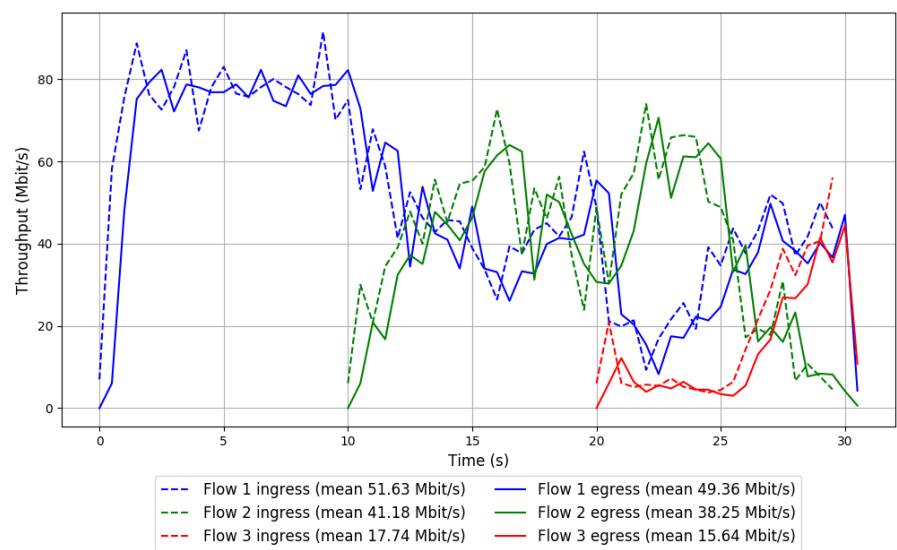


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 05:53:18
End at: 2018-07-10 05:53:48
Local clock offset: -0.188 ms
Remote clock offset: 20.389 ms

Below is generated by plot.py at 2018-07-10 07:29:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.03 Mbit/s
95th percentile per-packet one-way delay: 111.791 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 111.494 ms
Loss rate: 4.32%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 112.161 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 112.021 ms
Loss rate: 11.65%

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

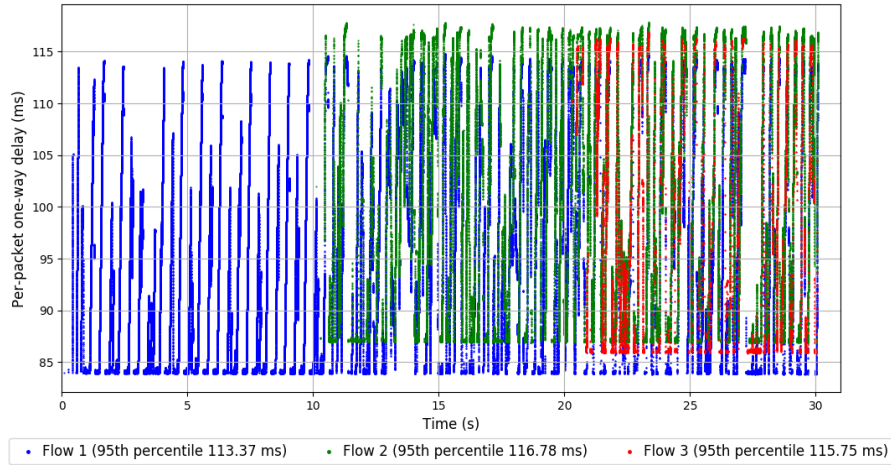
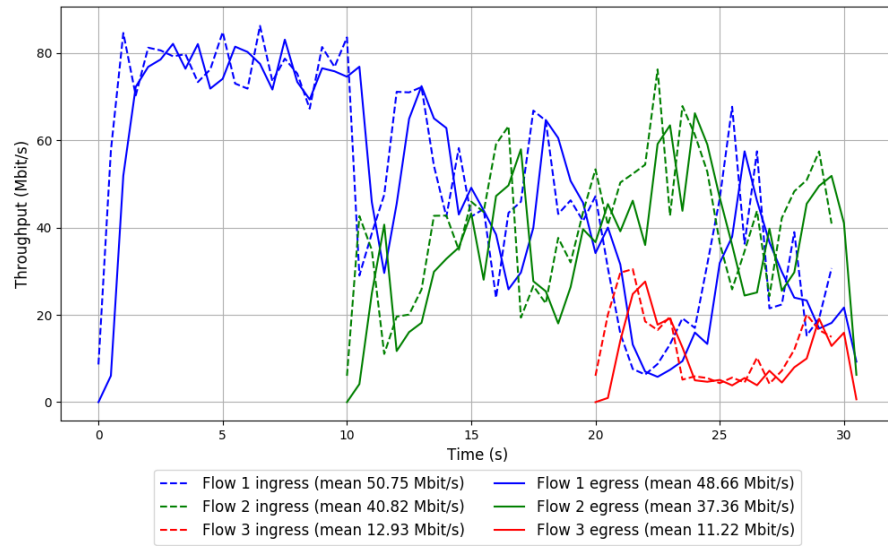


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 06:14:24
End at: 2018-07-10 06:14:54
Local clock offset: -0.051 ms
Remote clock offset: 29.341 ms

Below is generated by plot.py at 2018-07-10 07:29:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 115.769 ms
Loss rate: 5.96%
-- Flow 1:
Average throughput: 48.66 Mbit/s
95th percentile per-packet one-way delay: 113.370 ms
Loss rate: 4.04%
-- Flow 2:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 116.782 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 115.750 ms
Loss rate: 13.19%

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

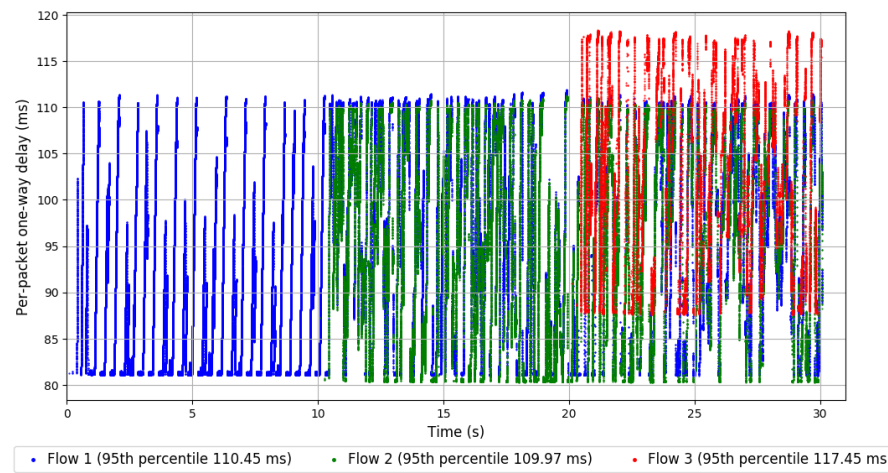
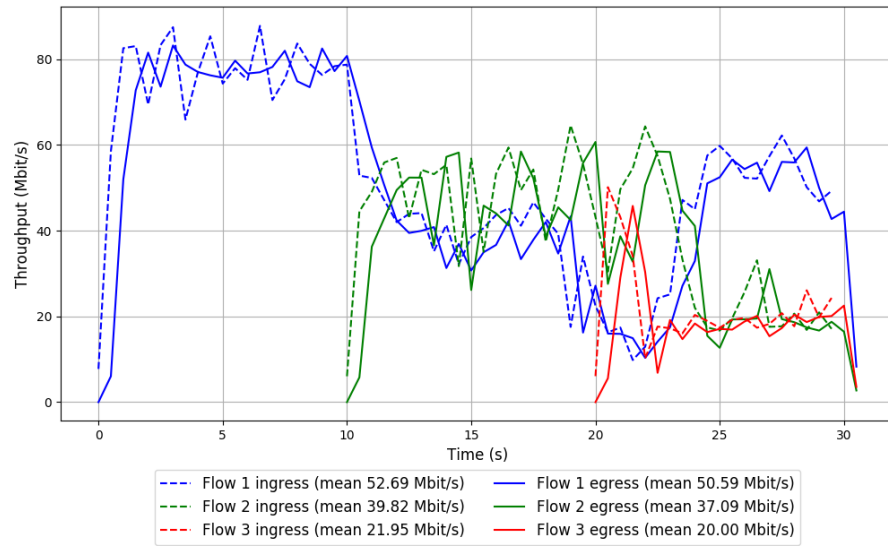


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 06:35:34
End at: 2018-07-10 06:36:04
Local clock offset: -0.038 ms
Remote clock offset: 29.817 ms

Below is generated by plot.py at 2018-07-10 07:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 110.596 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 50.59 Mbit/s
95th percentile per-packet one-way delay: 110.448 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 109.965 ms
Loss rate: 6.85%
-- Flow 3:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 117.451 ms
Loss rate: 8.65%

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

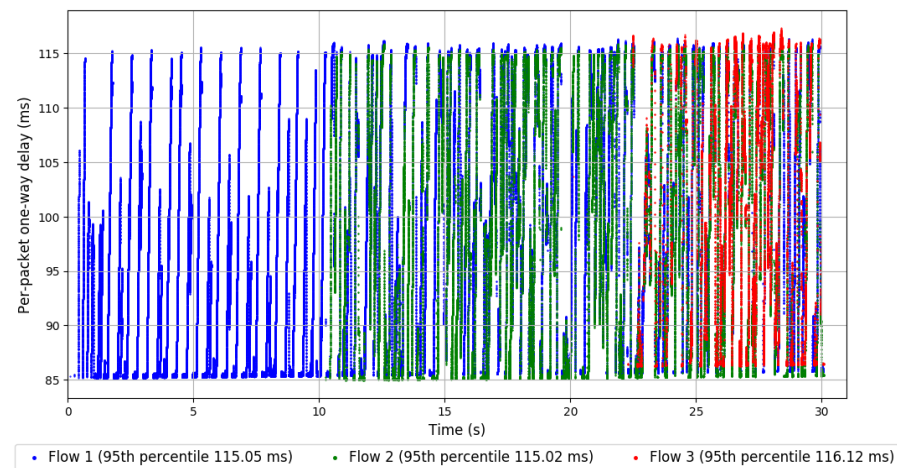
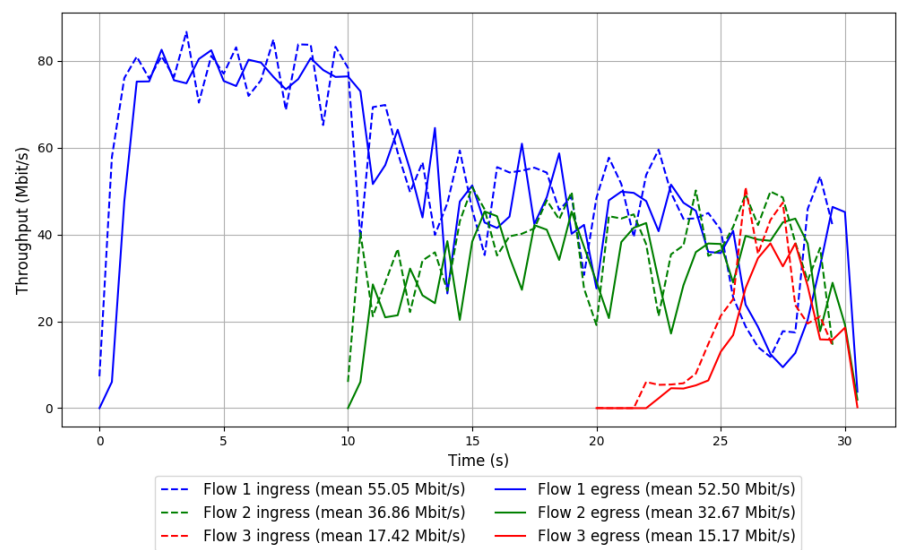


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 06:56:46
End at: 2018-07-10 06:57:16
Local clock offset: -0.057 ms
Remote clock offset: 13.316 ms

Below is generated by plot.py at 2018-07-10 07:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 115.114 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 115.052 ms
Loss rate: 4.63%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 115.021 ms
Loss rate: 11.41%
-- Flow 3:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 116.119 ms
Loss rate: 13.11%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 03:37:17

End at: 2018-07-10 03:37:47

Local clock offset: -0.656 ms

Remote clock offset: 6.703 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.96 Mbit/s

95th percentile per-packet one-way delay: 91.793 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 27.53 Mbit/s

95th percentile per-packet one-way delay: 91.662 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 30.80 Mbit/s

95th percentile per-packet one-way delay: 93.131 ms

Loss rate: 0.63%

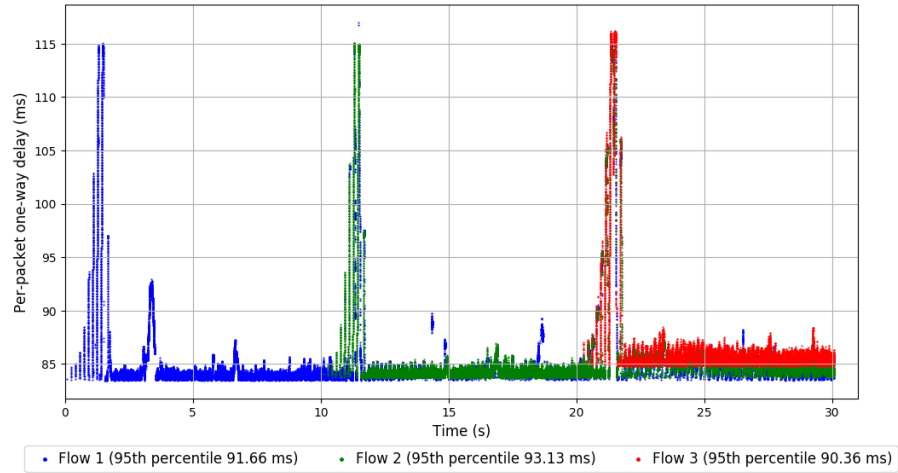
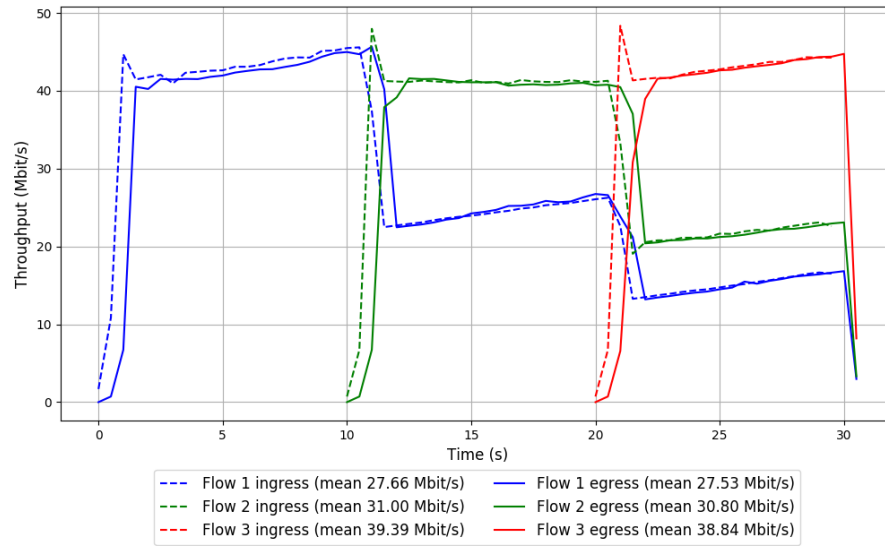
-- Flow 3:

Average throughput: 38.84 Mbit/s

95th percentile per-packet one-way delay: 90.361 ms

Loss rate: 1.39%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 03:58:35

End at: 2018-07-10 03:59:05

Local clock offset: -0.592 ms

Remote clock offset: 2.502 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 83.923 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 27.69 Mbit/s

95th percentile per-packet one-way delay: 82.124 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 84.815 ms

Loss rate: 0.29%

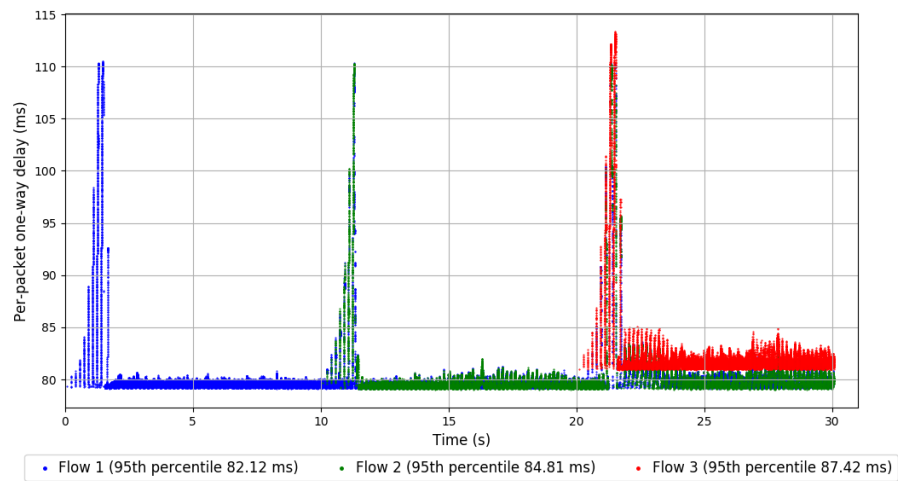
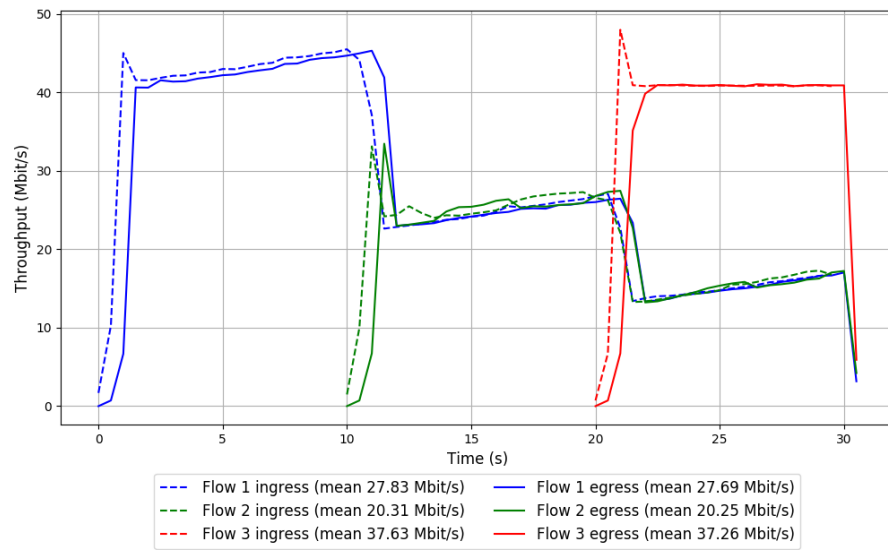
-- Flow 3:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 87.418 ms

Loss rate: 0.96%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 04:19:45

End at: 2018-07-10 04:20:15

Local clock offset: -0.589 ms

Remote clock offset: 2.754 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 94.102 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 94.420 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 94.682 ms

Loss rate: 0.72%

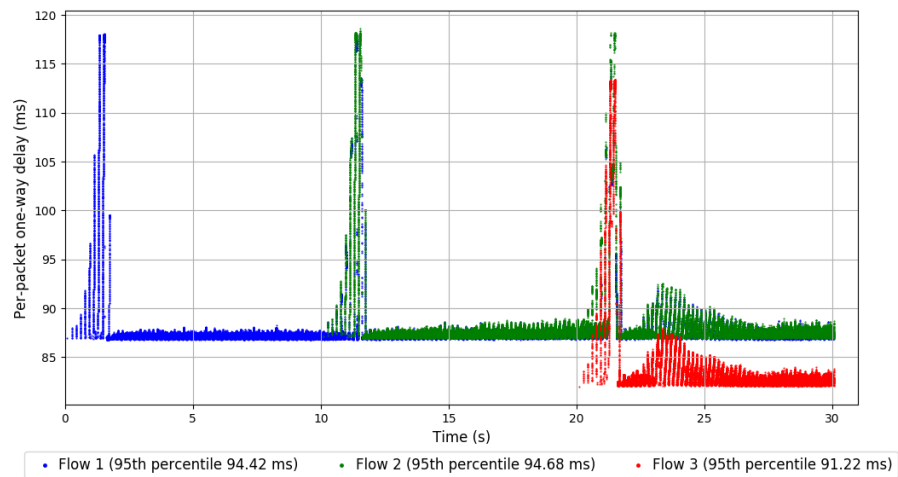
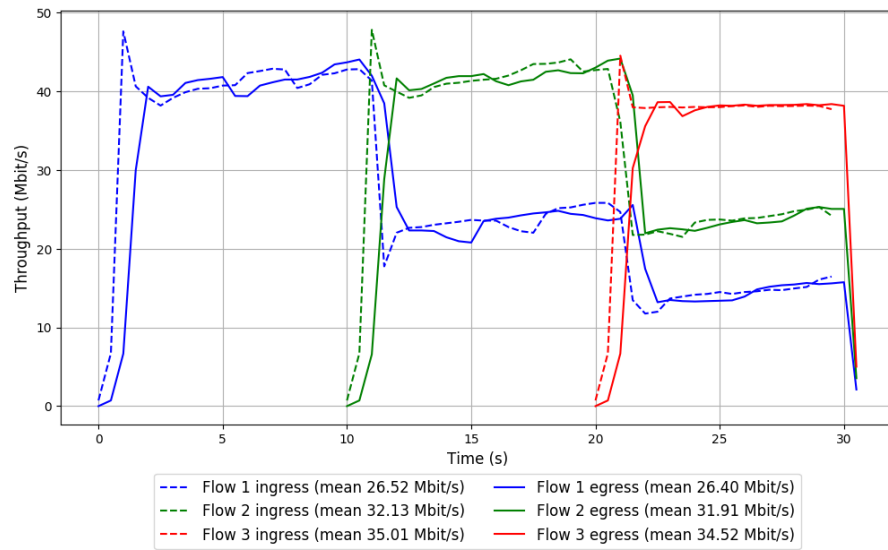
-- Flow 3:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 91.219 ms

Loss rate: 1.41%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 04:40:55

End at: 2018-07-10 04:41:25

Local clock offset: -0.577 ms

Remote clock offset: 8.055 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 85.074 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 22.89 Mbit/s

95th percentile per-packet one-way delay: 84.407 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.02 Mbit/s

95th percentile per-packet one-way delay: 87.655 ms

Loss rate: 0.60%

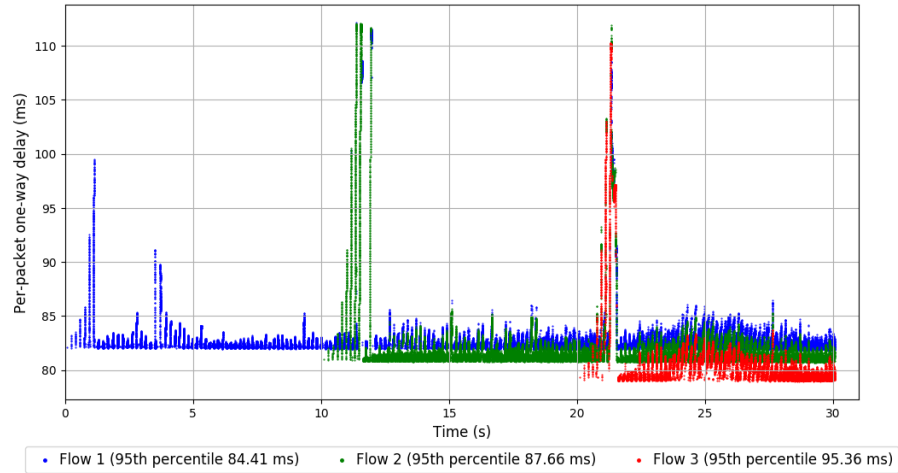
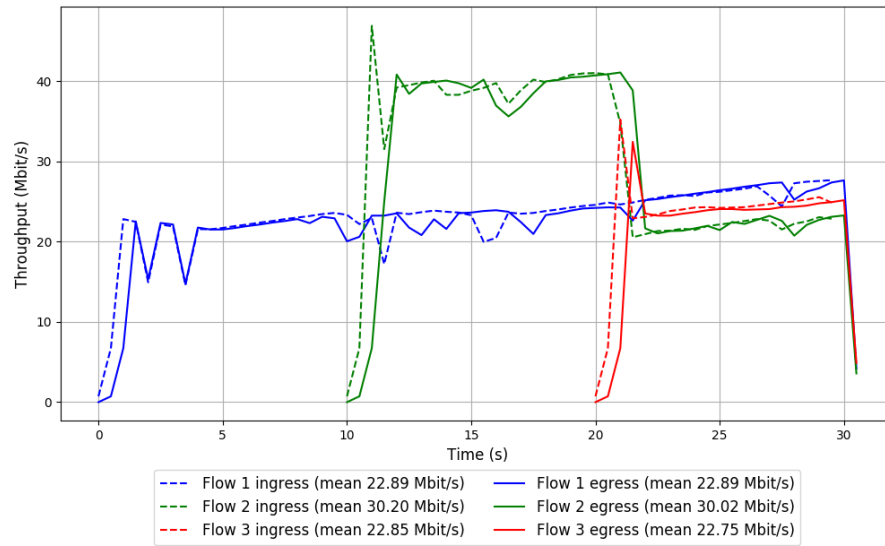
-- Flow 3:

Average throughput: 22.75 Mbit/s

95th percentile per-packet one-way delay: 95.359 ms

Loss rate: 0.42%

Run 4: Report of TCP Vegas — Data Link

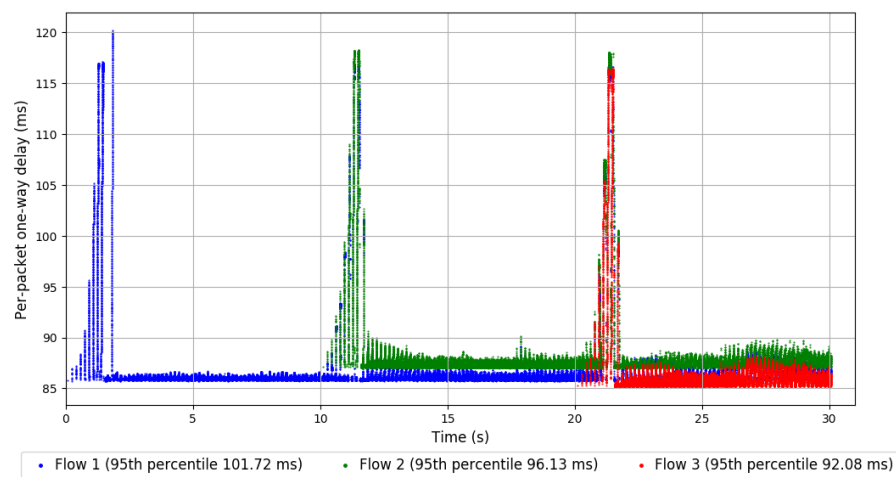
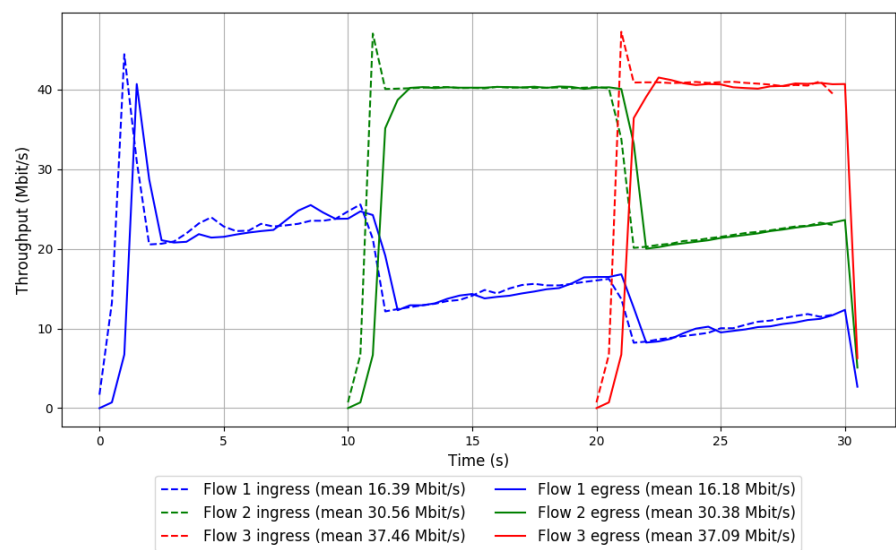


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 05:02:05
End at: 2018-07-10 05:02:35
Local clock offset: -0.585 ms
Remote clock offset: 17.508 ms

Below is generated by plot.py at 2018-07-10 07:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 97.639 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 16.18 Mbit/s
95th percentile per-packet one-way delay: 101.715 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 96.133 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 92.075 ms
Loss rate: 0.97%

Run 5: Report of TCP Vegas — Data Link

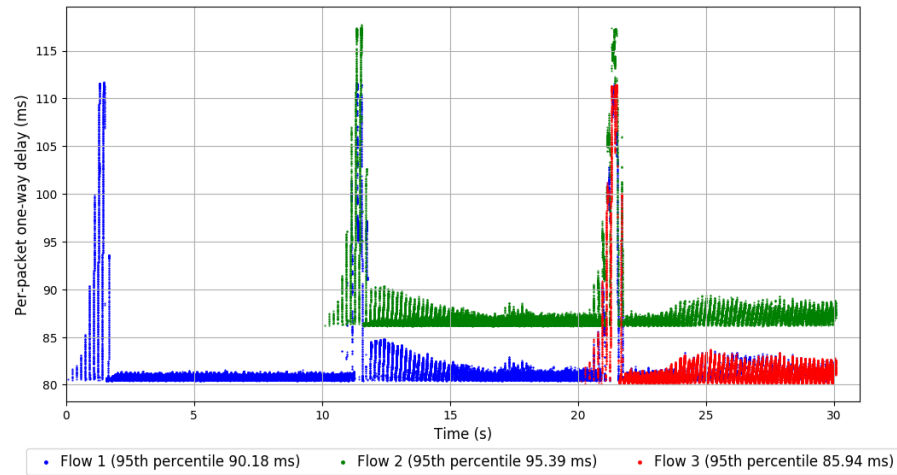
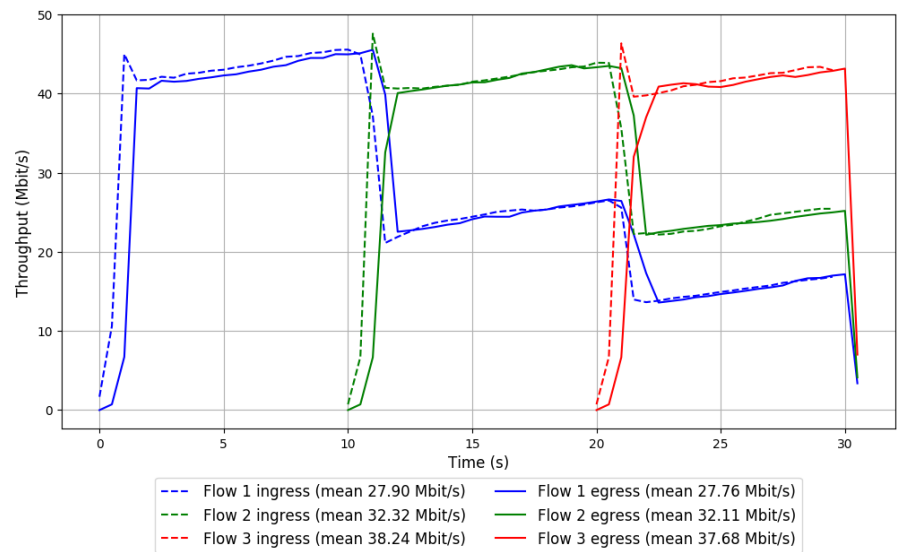


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 05:23:19
End at: 2018-07-10 05:23:49
Local clock offset: -0.429 ms
Remote clock offset: 11.245 ms

```
# Below is generated by plot.py at 2018-07-10 07:30:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.67 Mbit/s
95th percentile per-packet one-way delay: 92.184 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 27.76 Mbit/s
95th percentile per-packet one-way delay: 90.183 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 95.390 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 85.942 ms
Loss rate: 1.47%
```

Run 6: Report of TCP Vegas — Data Link

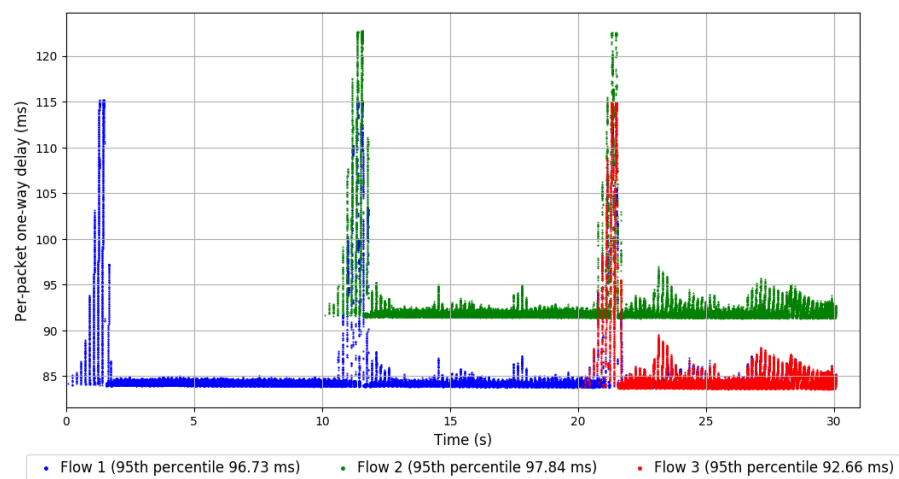
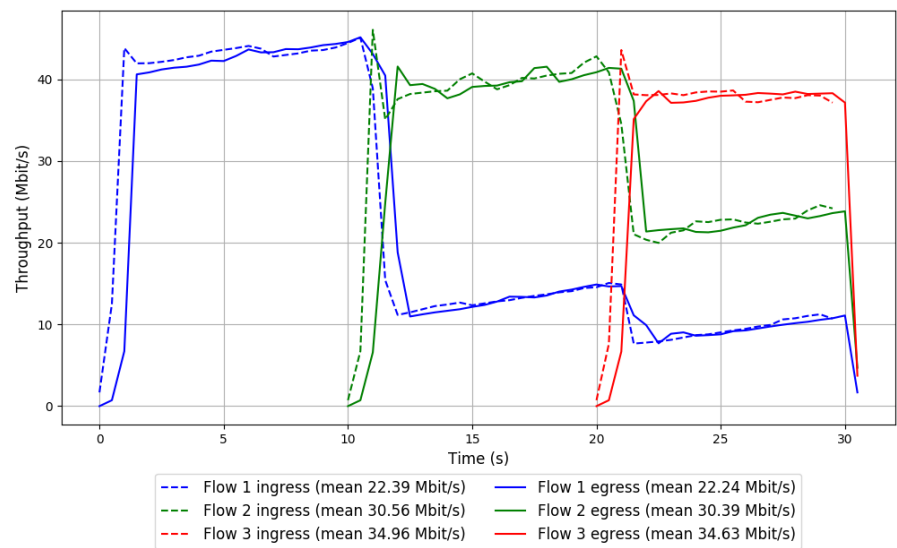


Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 05:44:32
End at: 2018-07-10 05:45:02
Local clock offset: -0.266 ms
Remote clock offset: 20.205 ms

Below is generated by plot.py at 2018-07-10 07:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 96.269 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 96.727 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 97.842 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 92.661 ms
Loss rate: 0.93%

Run 7: Report of TCP Vegas — Data Link

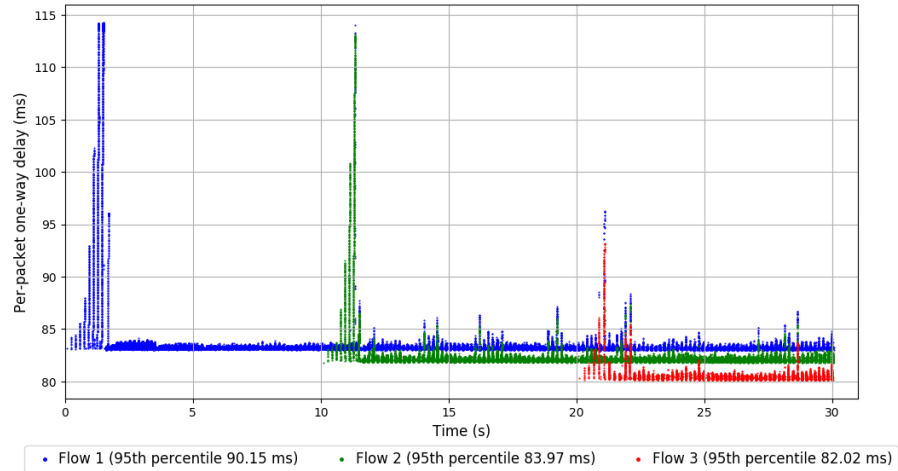
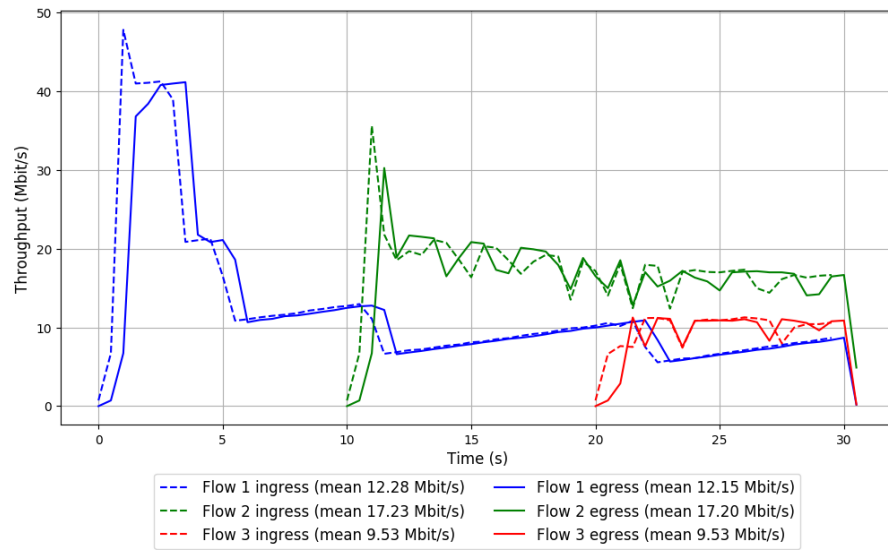


Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 06:05:43
End at: 2018-07-10 06:06:13
Local clock offset: -0.077 ms
Remote clock offset: 23.623 ms

```
# Below is generated by plot.py at 2018-07-10 07:30:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 85.172 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 90.149 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 83.965 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 82.018 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

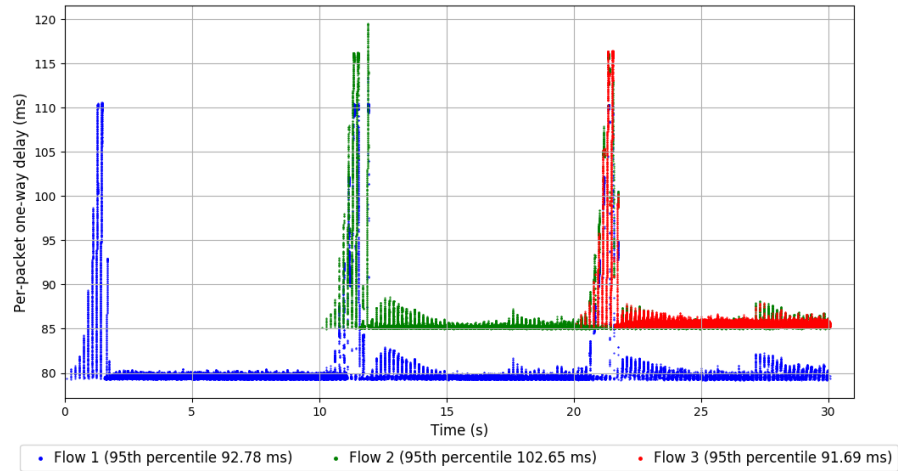
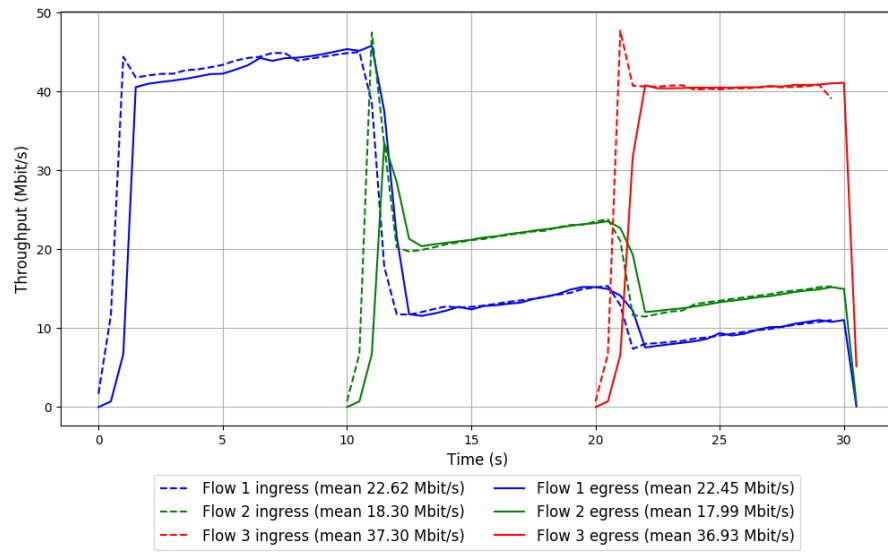


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 06:26:50
End at: 2018-07-10 06:27:20
Local clock offset: -0.032 ms
Remote clock offset: 27.009 ms

Below is generated by plot.py at 2018-07-10 07:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 95.765 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 92.785 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 102.648 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 91.691 ms
Loss rate: 1.04%

Run 9: Report of TCP Vegas — Data Link

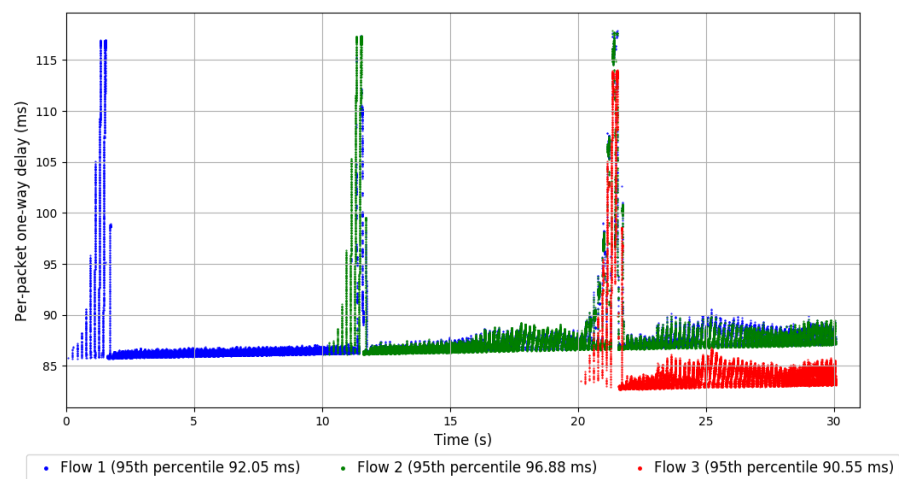
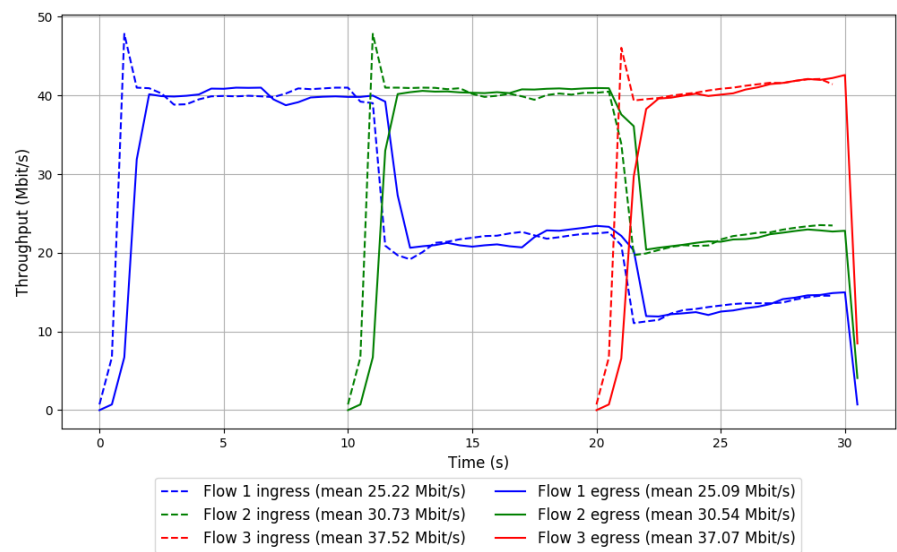


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 06:48:01
End at: 2018-07-10 06:48:31
Local clock offset: -0.025 ms
Remote clock offset: 26.967 ms

Below is generated by plot.py at 2018-07-10 07:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 93.451 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 92.053 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 96.881 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 90.545 ms
Loss rate: 1.22%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-10 03:44:53

End at: 2018-07-10 03:45:23

Local clock offset: -0.606 ms

Remote clock offset: 2.63 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 115.621 ms

Loss rate: 15.91%

-- Flow 1:

Average throughput: 26.82 Mbit/s

95th percentile per-packet one-way delay: 115.604 ms

Loss rate: 15.83%

-- Flow 2:

Average throughput: 22.22 Mbit/s

95th percentile per-packet one-way delay: 115.632 ms

Loss rate: 17.24%

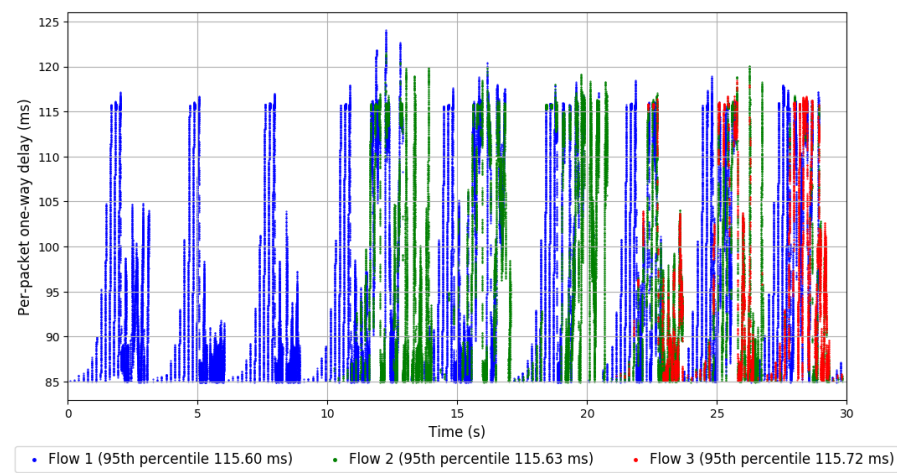
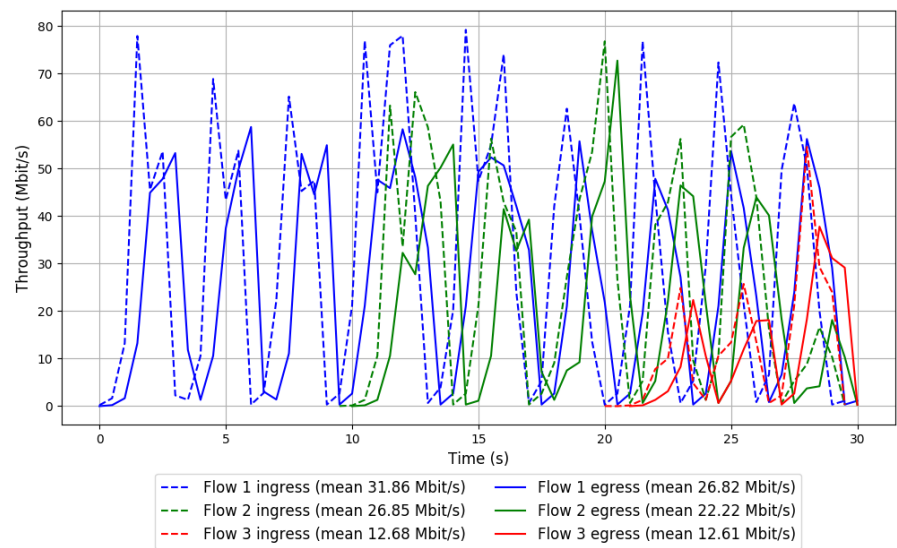
-- Flow 3:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 115.718 ms

Loss rate: 10.79%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-10 04:06:05

End at: 2018-07-10 04:06:35

Local clock offset: -0.667 ms

Remote clock offset: 8.724 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.72 Mbit/s

95th percentile per-packet one-way delay: 118.142 ms

Loss rate: 21.05%

-- Flow 1:

Average throughput: 22.22 Mbit/s

95th percentile per-packet one-way delay: 116.856 ms

Loss rate: 11.77%

-- Flow 2:

Average throughput: 31.98 Mbit/s

95th percentile per-packet one-way delay: 118.882 ms

Loss rate: 28.74%

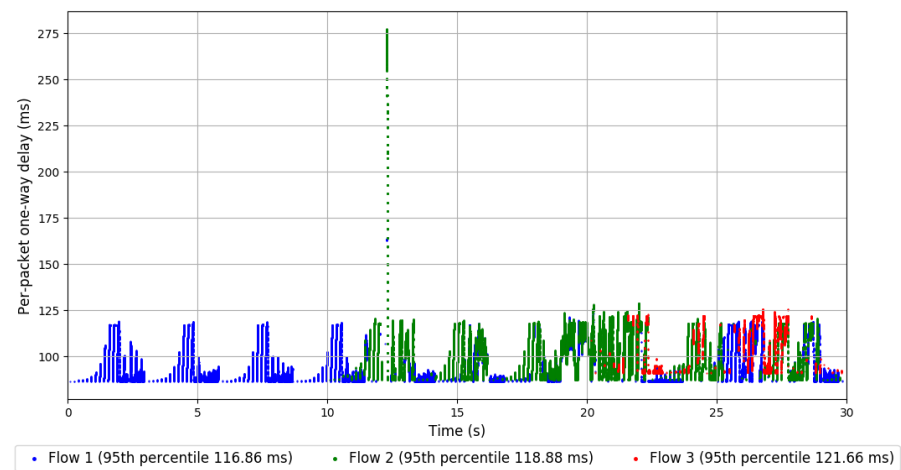
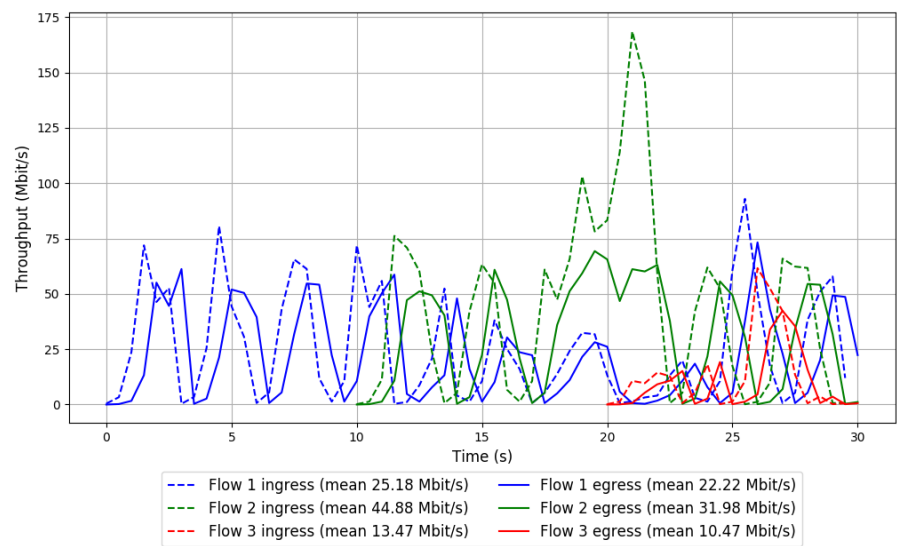
-- Flow 3:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 121.661 ms

Loss rate: 22.41%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-10 04:27:15

End at: 2018-07-10 04:27:45

Local clock offset: -0.58 ms

Remote clock offset: 7.66 ms

Below is generated by plot.py at 2018-07-10 07:30:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.21 Mbit/s

95th percentile per-packet one-way delay: 115.836 ms

Loss rate: 34.51%

-- Flow 1:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 116.373 ms

Loss rate: 38.40%

-- Flow 2:

Average throughput: 21.27 Mbit/s

95th percentile per-packet one-way delay: 115.178 ms

Loss rate: 33.28%

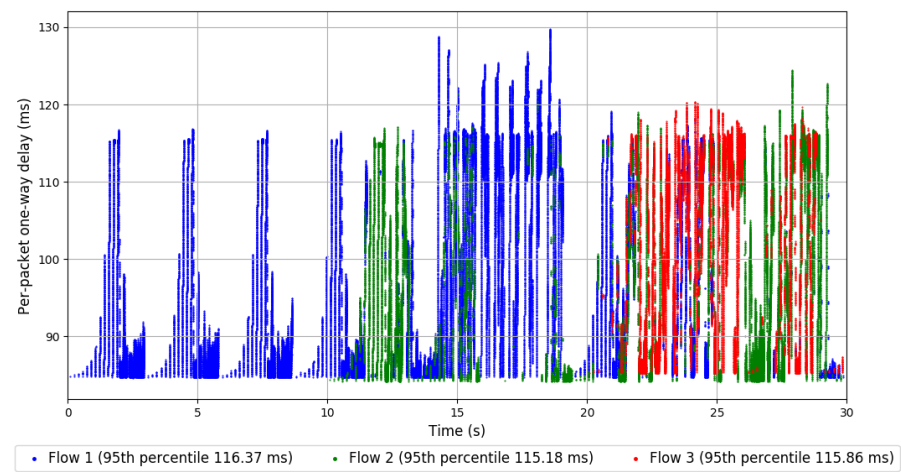
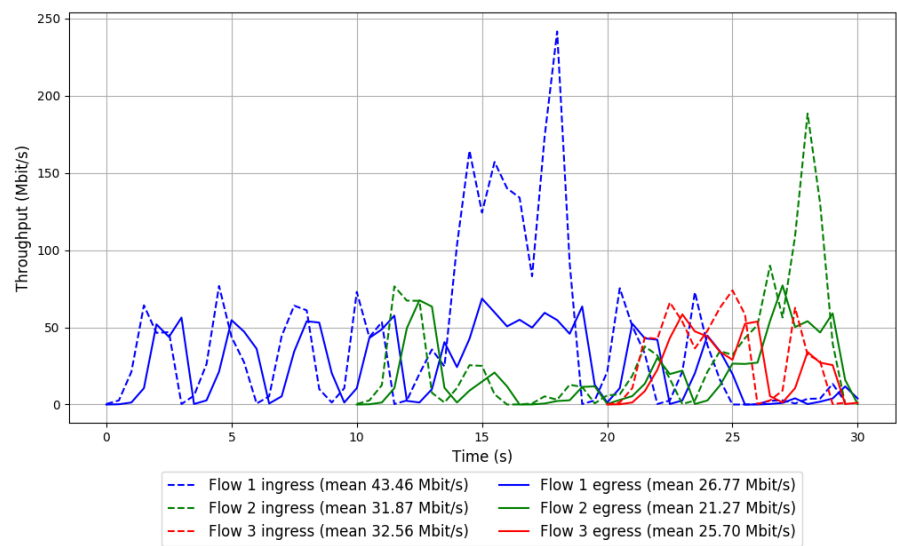
-- Flow 3:

Average throughput: 25.70 Mbit/s

95th percentile per-packet one-way delay: 115.858 ms

Loss rate: 21.04%

Run 3: Report of Verus — Data Link

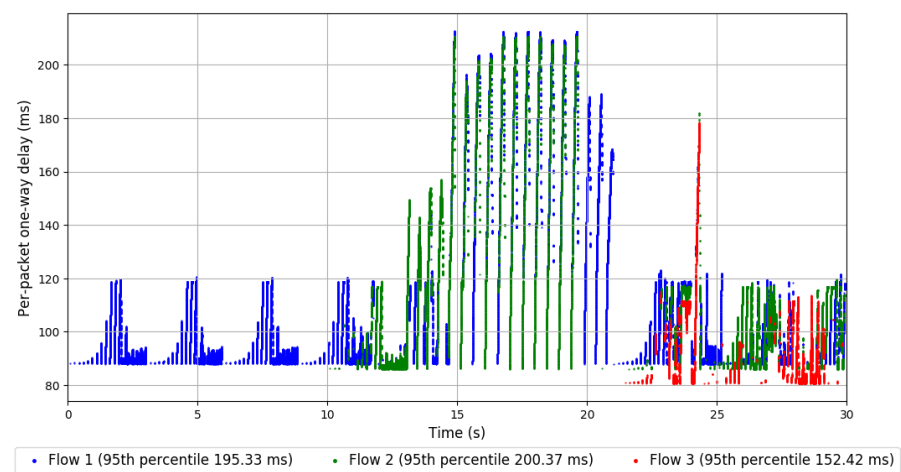
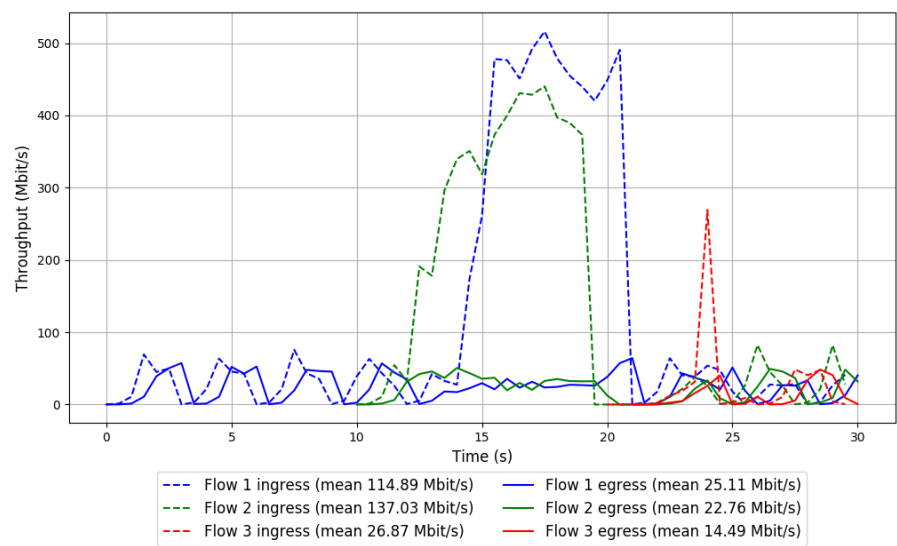


Run 4: Statistics of Verus

Start at: 2018-07-10 04:48:24
End at: 2018-07-10 04:48:54
Local clock offset: -0.629 ms
Remote clock offset: 10.806 ms

Below is generated by plot.py at 2018-07-10 07:31:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 196.162 ms
Loss rate: 79.32%
-- Flow 1:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 195.334 ms
Loss rate: 78.13%
-- Flow 2:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 200.373 ms
Loss rate: 83.37%
-- Flow 3:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 152.422 ms
Loss rate: 51.79%

Run 4: Report of Verus — Data Link

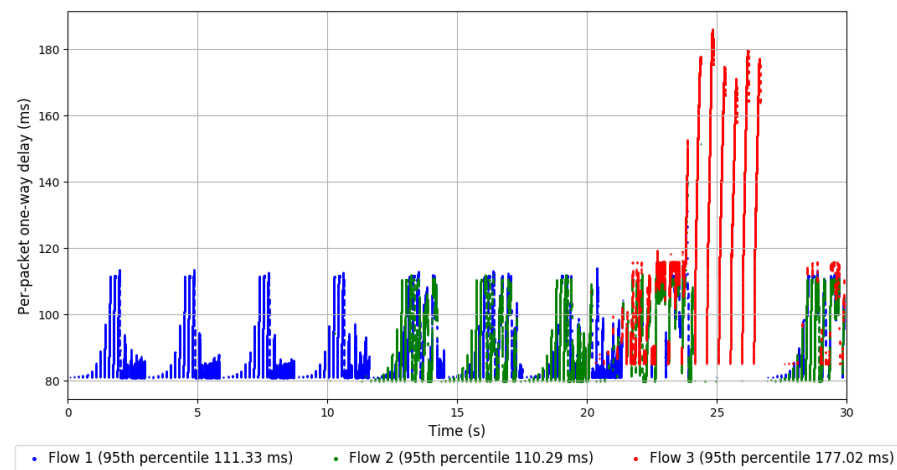
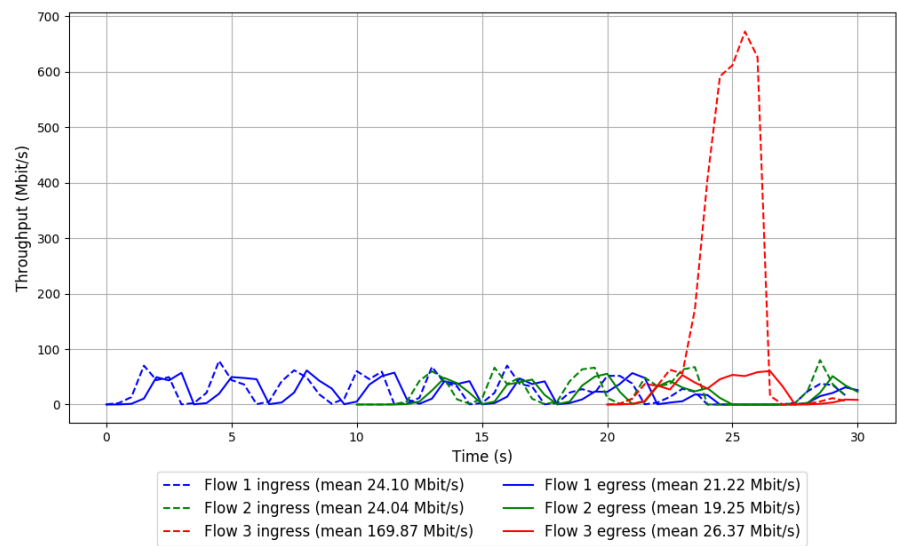


Run 5: Statistics of Verus

Start at: 2018-07-10 05:09:37
End at: 2018-07-10 05:10:07
Local clock offset: -0.575 ms
Remote clock offset: 10.688 ms

Below is generated by plot.py at 2018-07-10 07:31:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 157.894 ms
Loss rate: 55.46%
-- Flow 1:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 111.329 ms
Loss rate: 11.90%
-- Flow 2:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 110.293 ms
Loss rate: 19.86%
-- Flow 3:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 177.024 ms
Loss rate: 84.49%

Run 5: Report of Verus — Data Link

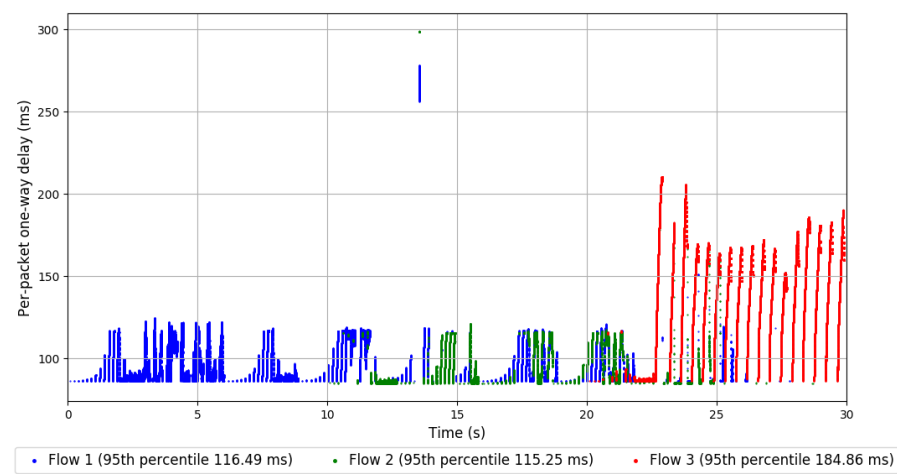
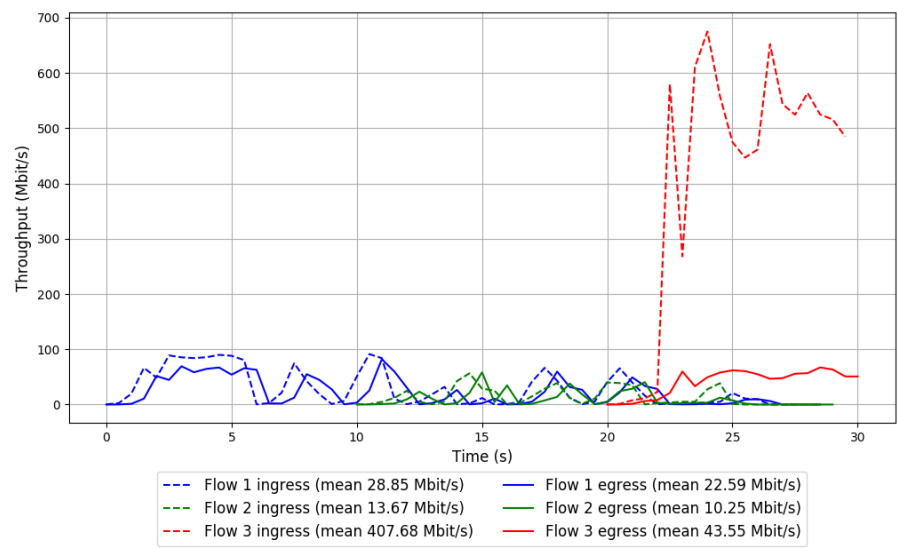


Run 6: Statistics of Verus

Start at: 2018-07-10 05:30:50
End at: 2018-07-10 05:31:20
Local clock offset: -0.377 ms
Remote clock offset: 15.432 ms

Below is generated by plot.py at 2018-07-10 07:31:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 172.639 ms
Loss rate: 75.15%
-- Flow 1:
Average throughput: 22.59 Mbit/s
95th percentile per-packet one-way delay: 116.490 ms
Loss rate: 21.51%
-- Flow 2:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 115.253 ms
Loss rate: 25.89%
-- Flow 3:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 184.856 ms
Loss rate: 89.24%

Run 6: Report of Verus — Data Link

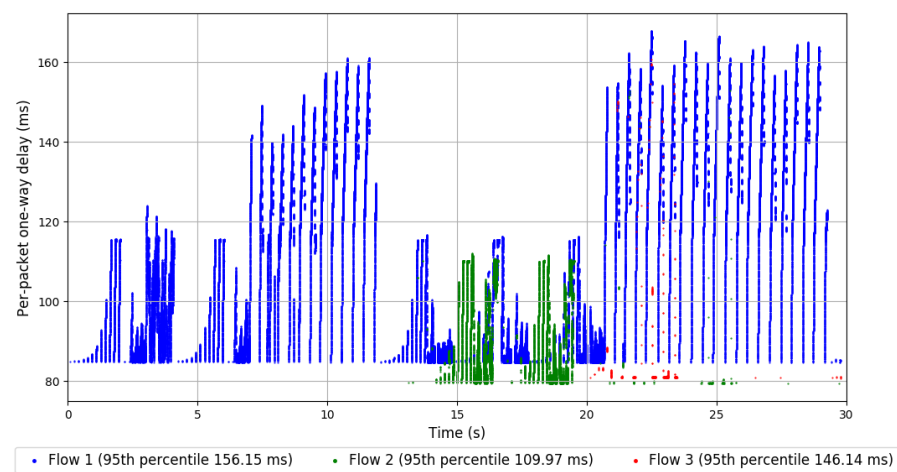
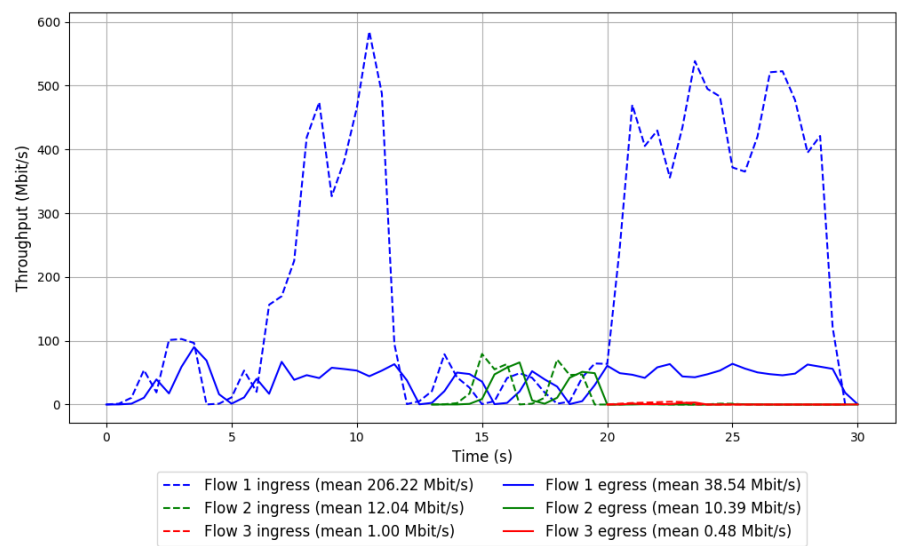


Run 7: Statistics of Verus

Start at: 2018-07-10 05:52:02
End at: 2018-07-10 05:52:32
Local clock offset: -0.199 ms
Remote clock offset: 18.705 ms

Below is generated by plot.py at 2018-07-10 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 155.206 ms
Loss rate: 79.13%
-- Flow 1:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 156.146 ms
Loss rate: 81.31%
-- Flow 2:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 109.967 ms
Loss rate: 13.71%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 146.136 ms
Loss rate: 51.96%

Run 7: Report of Verus — Data Link

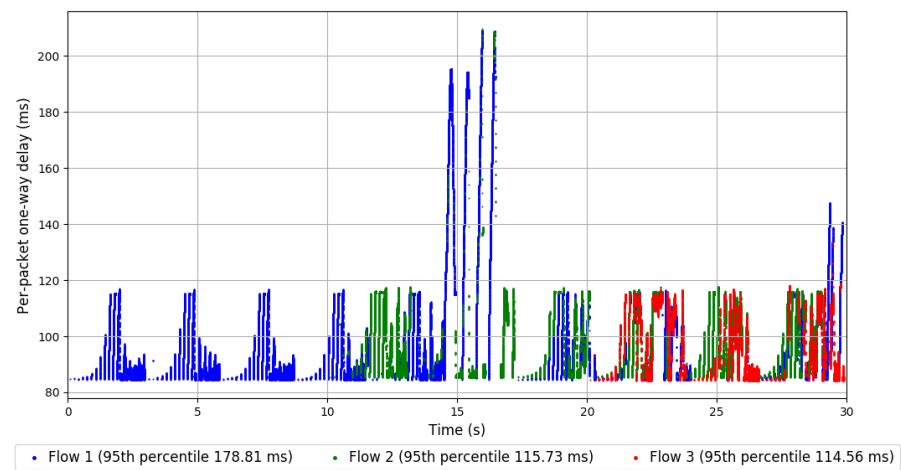
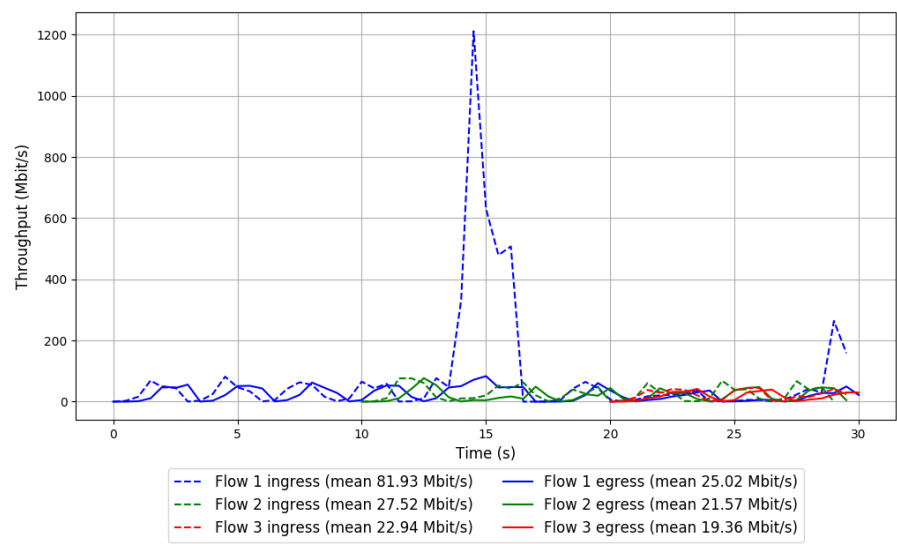


Run 8: Statistics of Verus

Start at: 2018-07-10 06:13:10
End at: 2018-07-10 06:13:40
Local clock offset: -0.054 ms
Remote clock offset: 29.19 ms

Below is generated by plot.py at 2018-07-10 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 146.404 ms
Loss rate: 57.77%
-- Flow 1:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 178.807 ms
Loss rate: 69.40%
-- Flow 2:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 115.728 ms
Loss rate: 22.29%
-- Flow 3:
Average throughput: 19.36 Mbit/s
95th percentile per-packet one-way delay: 114.564 ms
Loss rate: 15.60%

Run 8: Report of Verus — Data Link

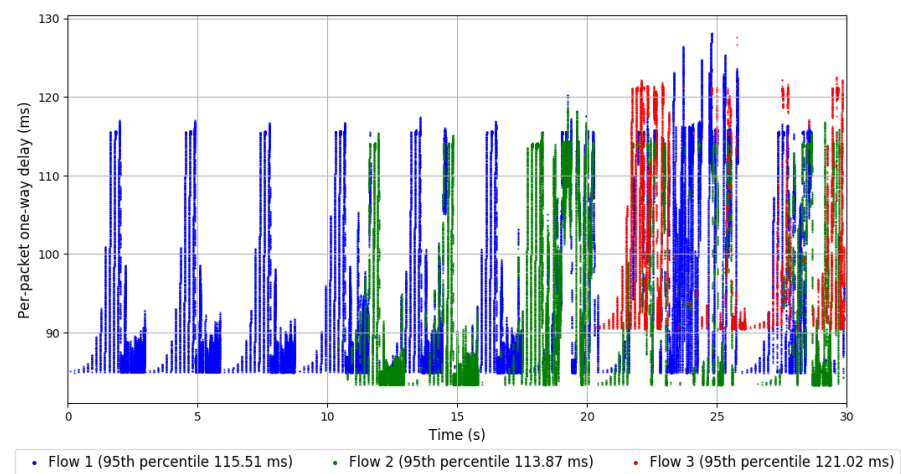
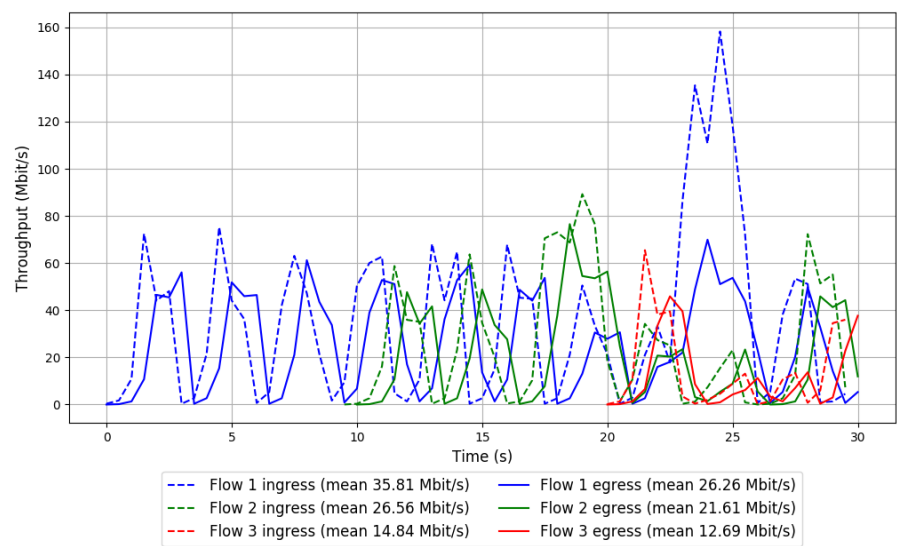


Run 9: Statistics of Verus

Start at: 2018-07-10 06:34:20
End at: 2018-07-10 06:34:50
Local clock offset: -0.022 ms
Remote clock offset: 32.332 ms

Below is generated by plot.py at 2018-07-10 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 115.561 ms
Loss rate: 23.22%
-- Flow 1:
Average throughput: 26.26 Mbit/s
95th percentile per-packet one-way delay: 115.510 ms
Loss rate: 26.63%
-- Flow 2:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 113.867 ms
Loss rate: 18.63%
-- Flow 3:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 121.015 ms
Loss rate: 14.71%

Run 9: Report of Verus — Data Link

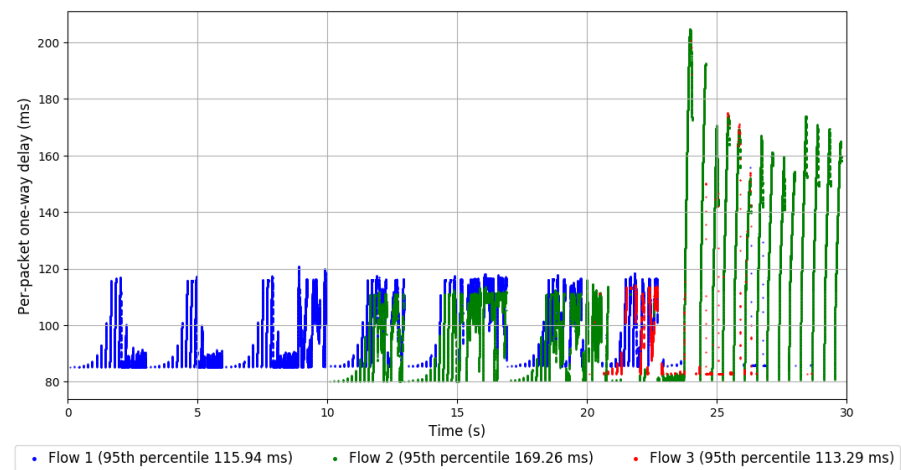
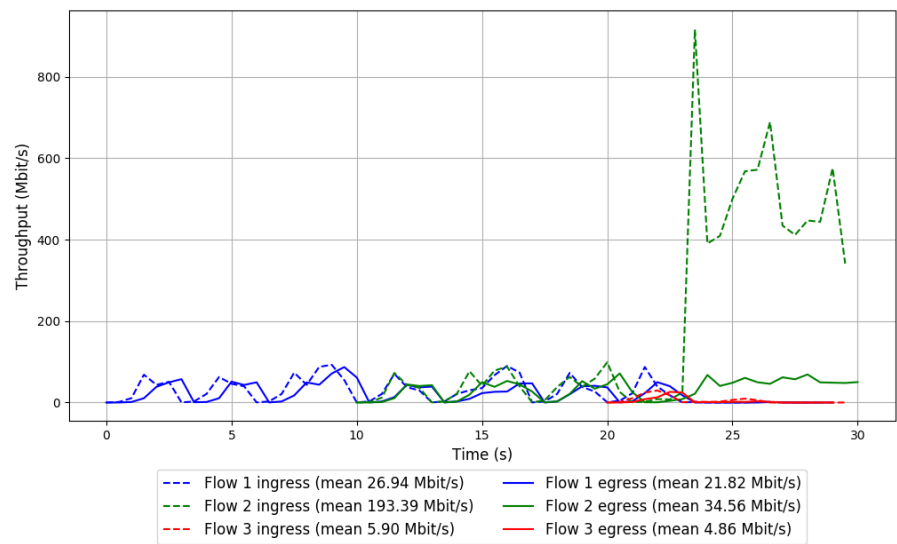


Run 10: Statistics of Verus

Start at: 2018-07-10 06:55:31
End at: 2018-07-10 06:56:01
Local clock offset: -0.083 ms
Remote clock offset: 10.887 ms

Below is generated by plot.py at 2018-07-10 07:31:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 162.637 ms
Loss rate: 70.91%
-- Flow 1:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 115.938 ms
Loss rate: 19.49%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 169.259 ms
Loss rate: 82.06%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 113.294 ms
Loss rate: 26.06%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 03:56:07

End at: 2018-07-10 03:56:37

Local clock offset: -0.655 ms

Remote clock offset: 2.47 ms

Below is generated by plot.py at 2018-07-10 07:31:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 110.525 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 68.38 Mbit/s

95th percentile per-packet one-way delay: 111.111 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 107.388 ms

Loss rate: 0.12%

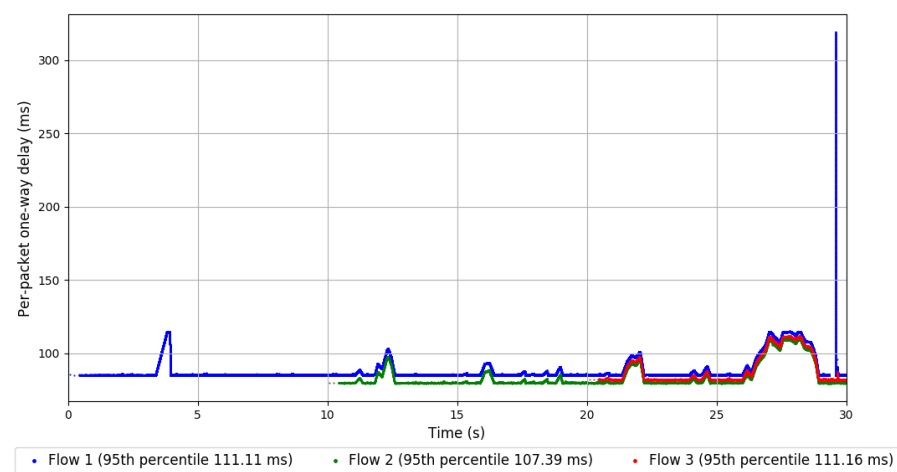
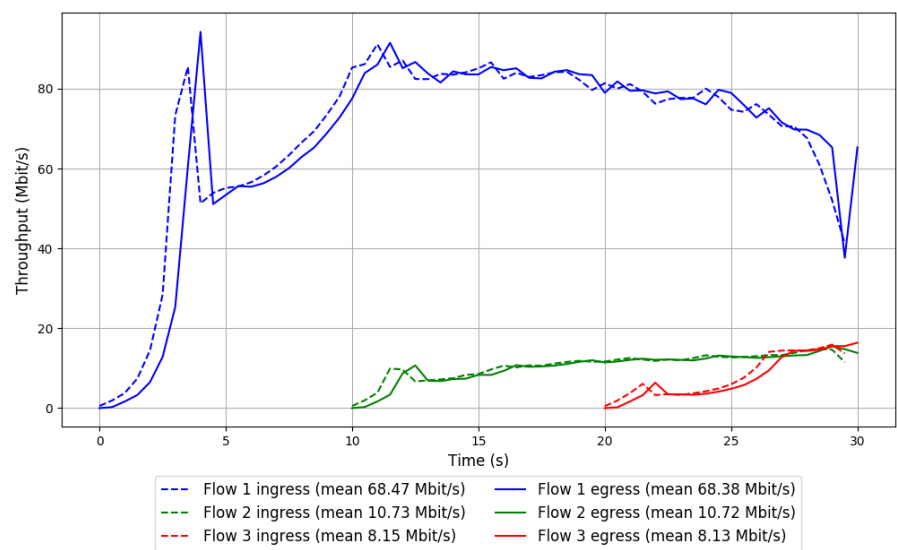
-- Flow 3:

Average throughput: 8.13 Mbit/s

95th percentile per-packet one-way delay: 111.158 ms

Loss rate: 0.32%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 04:17:18

End at: 2018-07-10 04:17:48

Local clock offset: -0.658 ms

Remote clock offset: 7.698 ms

Below is generated by plot.py at 2018-07-10 07:32:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 100.464 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 68.54 Mbit/s

95th percentile per-packet one-way delay: 99.747 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 103.576 ms

Loss rate: 0.15%

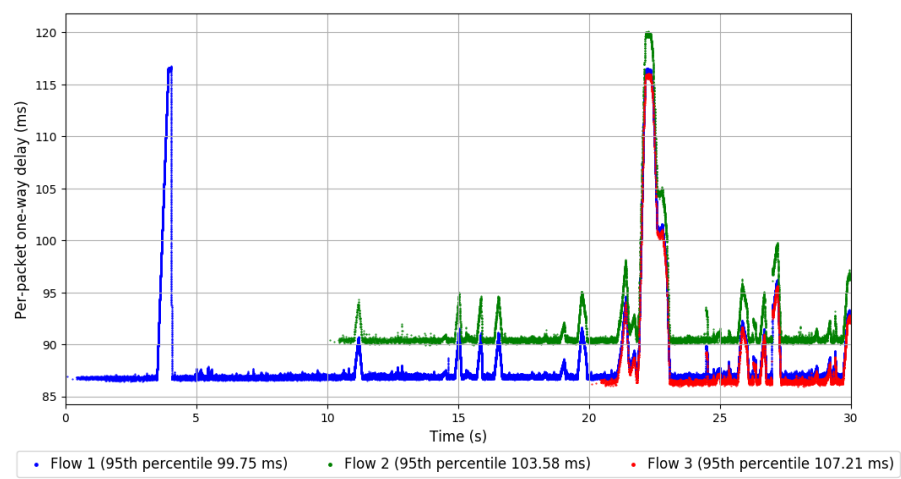
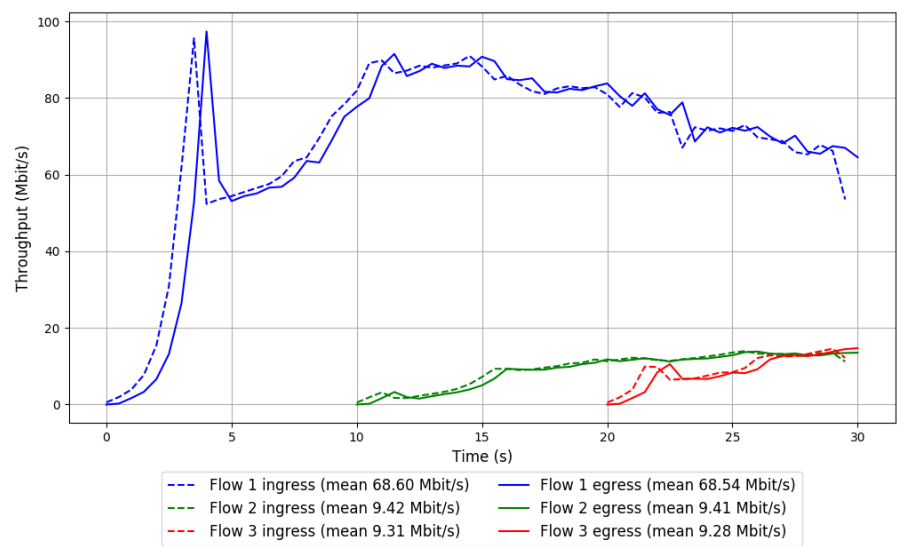
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 107.209 ms

Loss rate: 0.32%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 04:38:27

End at: 2018-07-10 04:38:57

Local clock offset: -0.662 ms

Remote clock offset: 13.4 ms

Below is generated by plot.py at 2018-07-10 07:32:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 114.912 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 62.55 Mbit/s

95th percentile per-packet one-way delay: 114.889 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 19.15 Mbit/s

95th percentile per-packet one-way delay: 116.779 ms

Loss rate: 0.62%

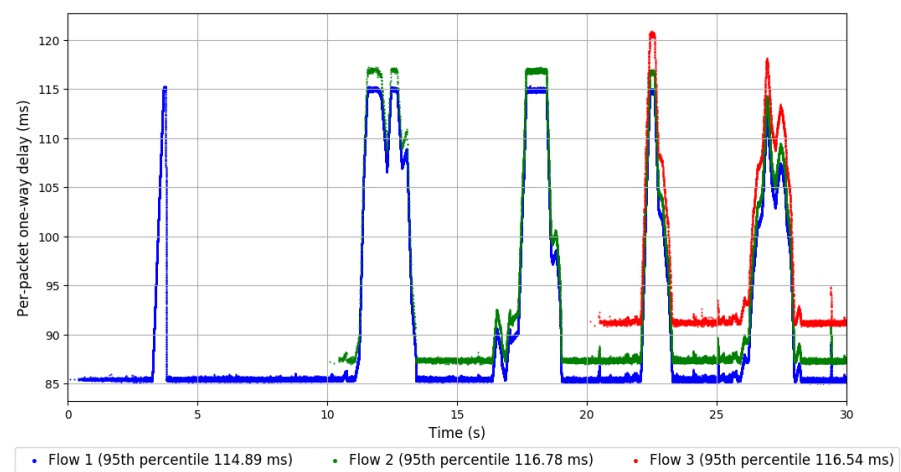
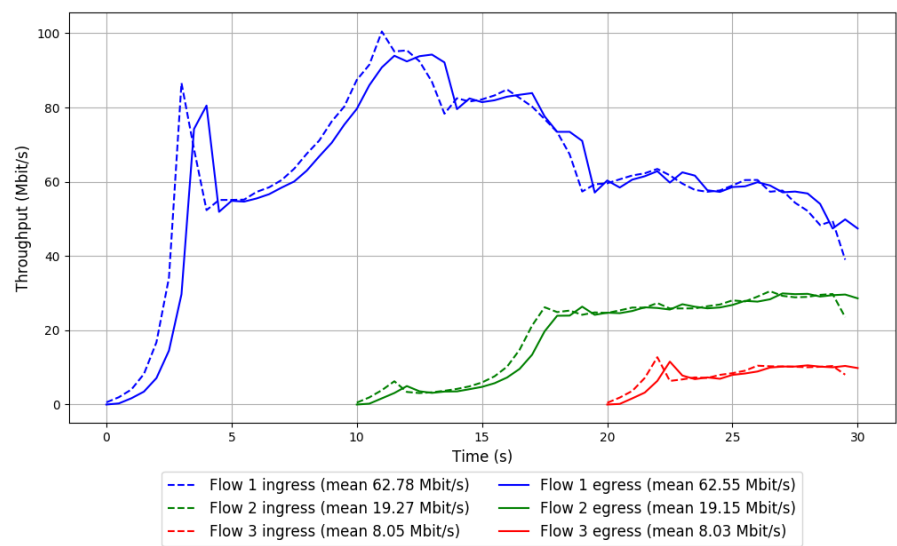
-- Flow 3:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 116.540 ms

Loss rate: 0.21%

Run 3: Report of PCC-Vivace — Data Link

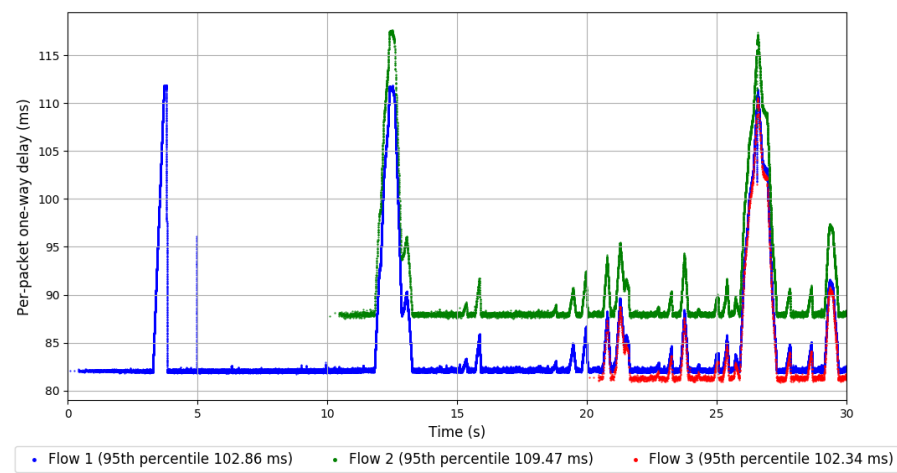
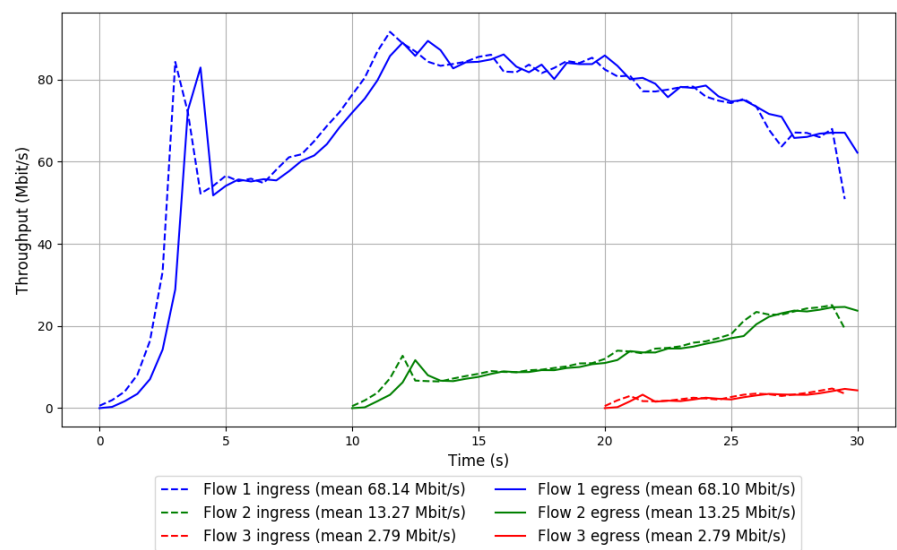


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 04:59:37
End at: 2018-07-10 05:00:07
Local clock offset: -0.598 ms
Remote clock offset: 12.102 ms

Below is generated by plot.py at 2018-07-10 07:32:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 103.409 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 68.10 Mbit/s
95th percentile per-packet one-way delay: 102.858 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 109.470 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 102.339 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

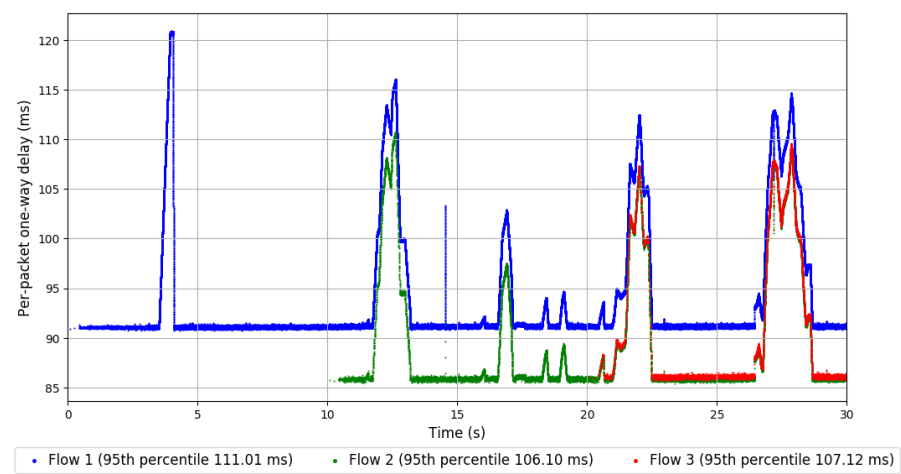
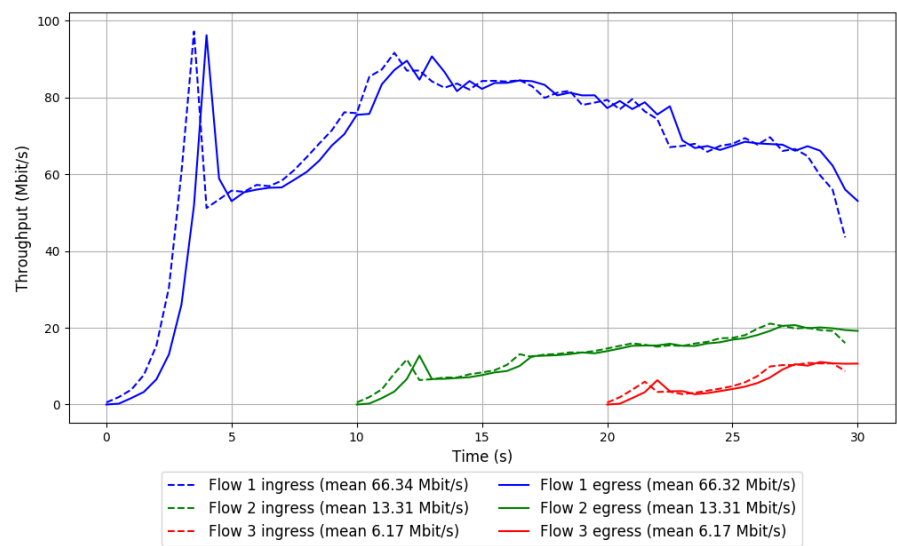


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 05:20:52
End at: 2018-07-10 05:21:22
Local clock offset: -0.454 ms
Remote clock offset: 16.227 ms

Below is generated by plot.py at 2018-07-10 07:32:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 110.156 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 111.012 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 106.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 107.116 ms
Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link

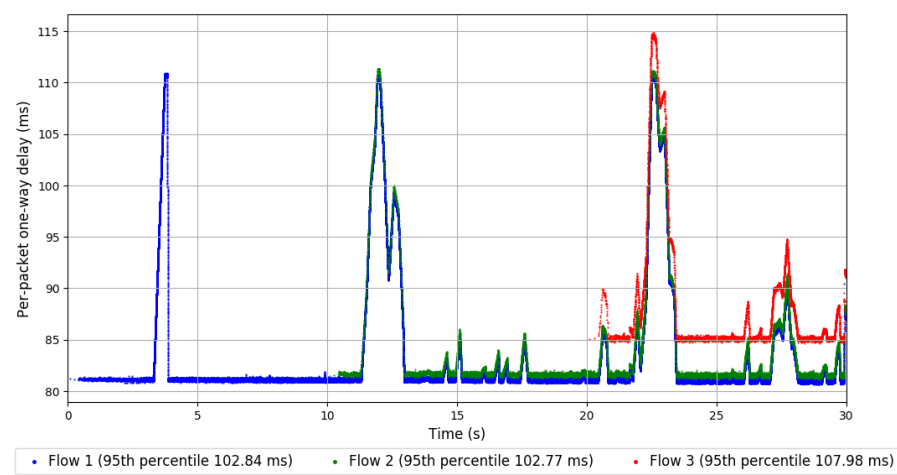
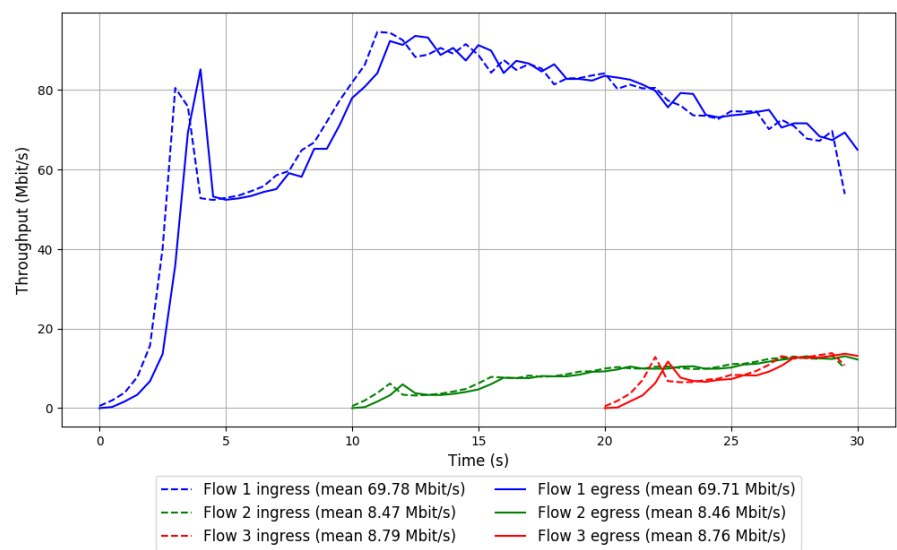


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 05:42:04
End at: 2018-07-10 05:42:34
Local clock offset: -0.28 ms
Remote clock offset: 13.925 ms

Below is generated by plot.py at 2018-07-10 07:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.23 Mbit/s
95th percentile per-packet one-way delay: 103.025 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 102.840 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 102.768 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 107.983 ms
Loss rate: 0.31%

Run 6: Report of PCC-Vivace — Data Link

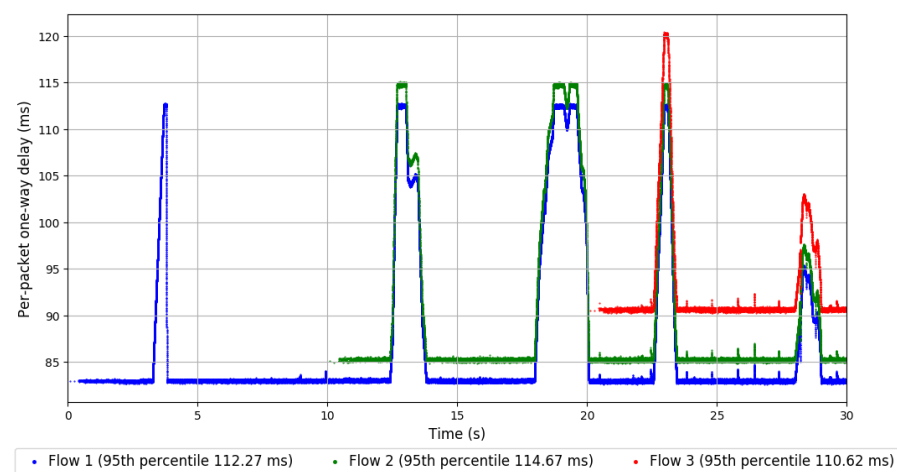
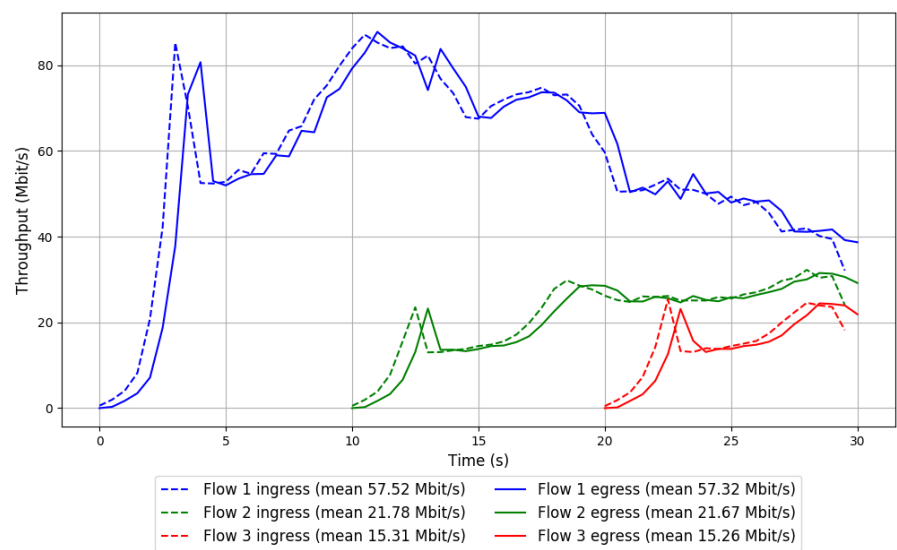


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 06:03:16
End at: 2018-07-10 06:03:46
Local clock offset: -0.106 ms
Remote clock offset: 25.741 ms

Below is generated by plot.py at 2018-07-10 07:32:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 112.389 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 112.271 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 114.675 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 110.616 ms
Loss rate: 0.39%

Run 7: Report of PCC-Vivace — Data Link

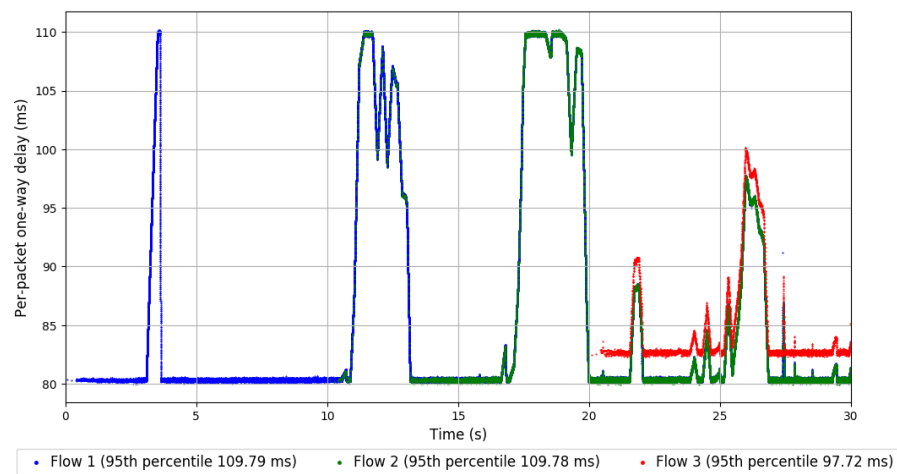
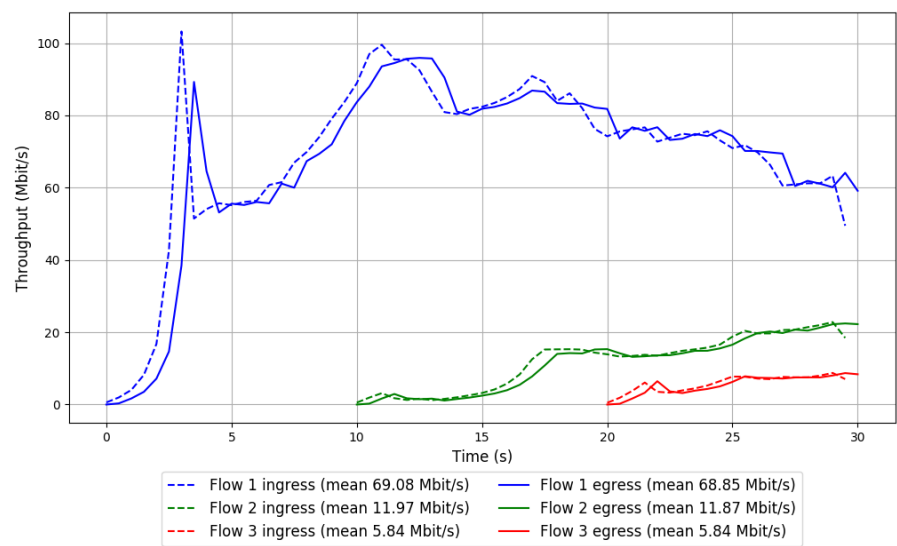


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 06:24:22
End at: 2018-07-10 06:24:52
Local clock offset: -0.02 ms
Remote clock offset: 27.451 ms

Below is generated by plot.py at 2018-07-10 07:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 109.780 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 109.788 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 109.778 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 97.718 ms
Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

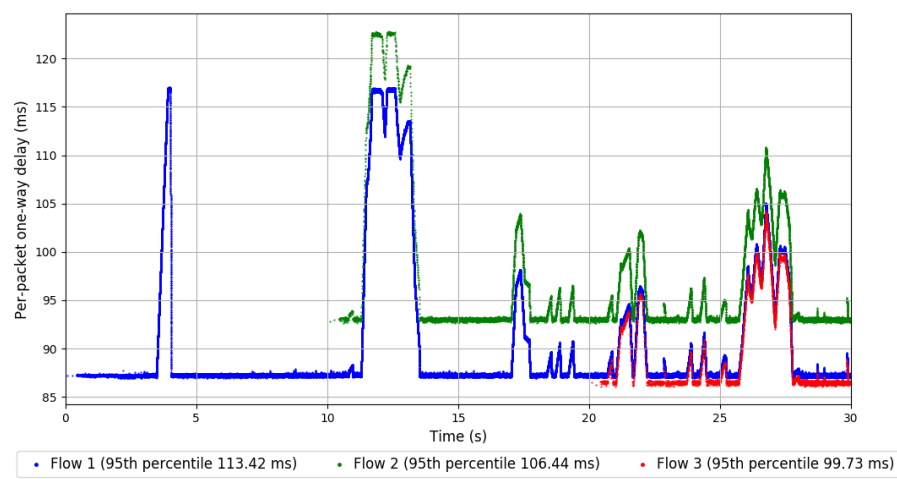
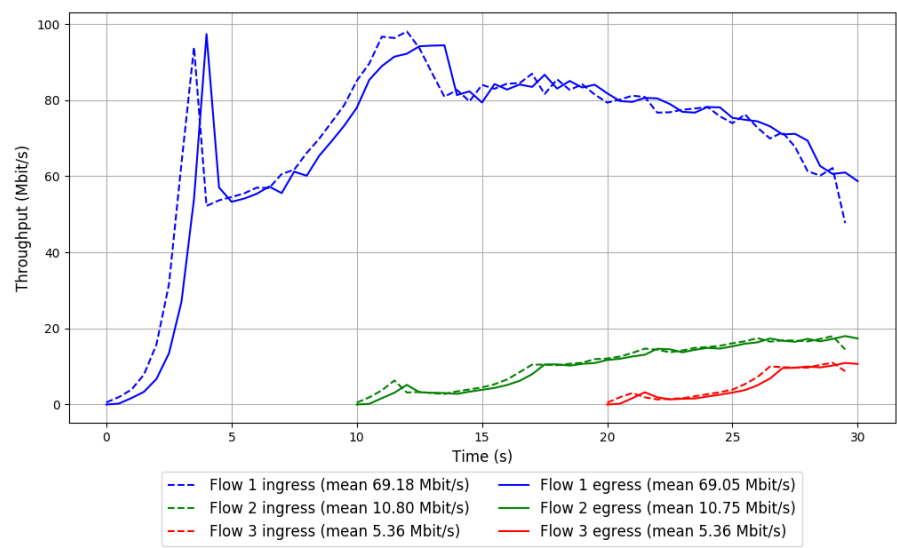


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 06:45:34
End at: 2018-07-10 06:46:04
Local clock offset: -0.033 ms
Remote clock offset: 36.712 ms

Below is generated by plot.py at 2018-07-10 07:32:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 113.280 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 113.416 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: 106.438 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 99.733 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 07:06:45

End at: 2018-07-10 07:07:15

Local clock offset: -0.083 ms

Remote clock offset: 1.552 ms

Below is generated by plot.py at 2018-07-10 07:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.56 Mbit/s

95th percentile per-packet one-way delay: 111.029 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 67.23 Mbit/s

95th percentile per-packet one-way delay: 104.107 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 111.912 ms

Loss rate: 0.43%

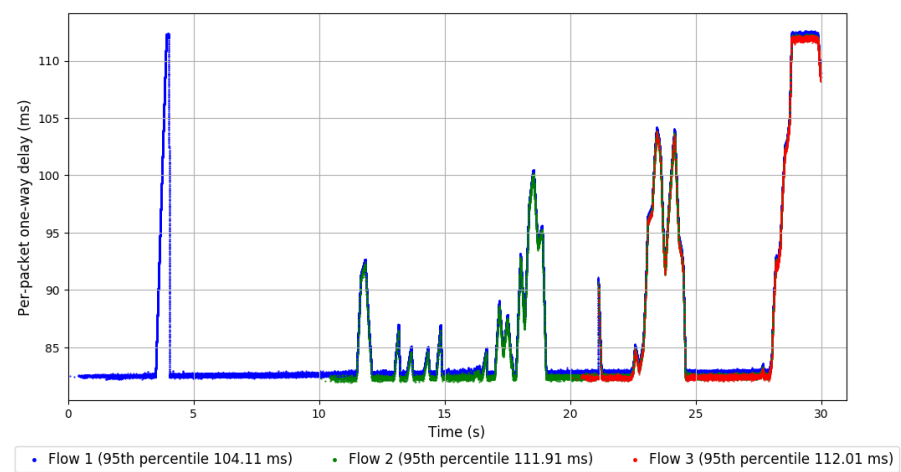
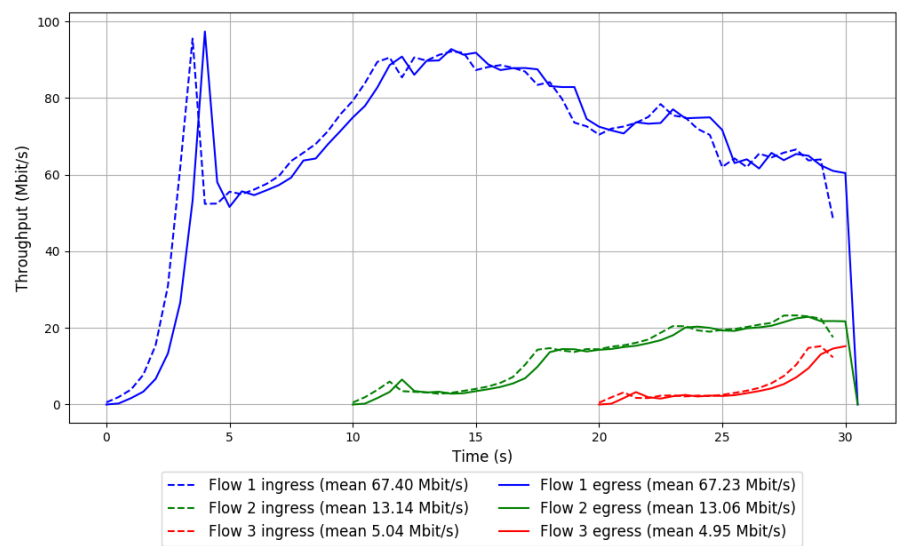
-- Flow 3:

Average throughput: 4.95 Mbit/s

95th percentile per-packet one-way delay: 112.013 ms

Loss rate: 1.61%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-10 03:57:24

End at: 2018-07-10 03:57:54

Local clock offset: -0.598 ms

Remote clock offset: 7.436 ms

Below is generated by plot.py at 2018-07-10 07:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 86.718 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 86.783 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 85.884 ms

Loss rate: 0.00%

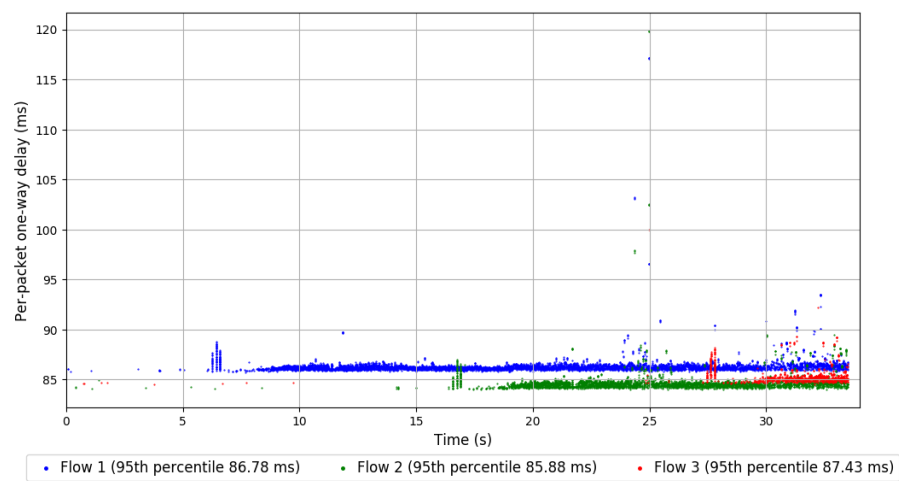
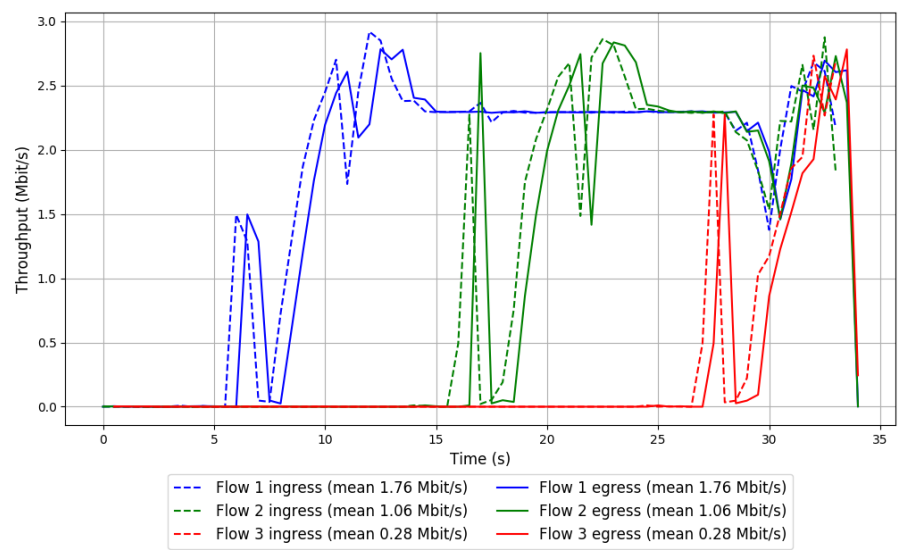
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 87.432 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-10 04:18:34

End at: 2018-07-10 04:19:04

Local clock offset: -0.649 ms

Remote clock offset: 7.779 ms

Below is generated by plot.py at 2018-07-10 07:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 86.939 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 85.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 85.649 ms

Loss rate: 0.00%

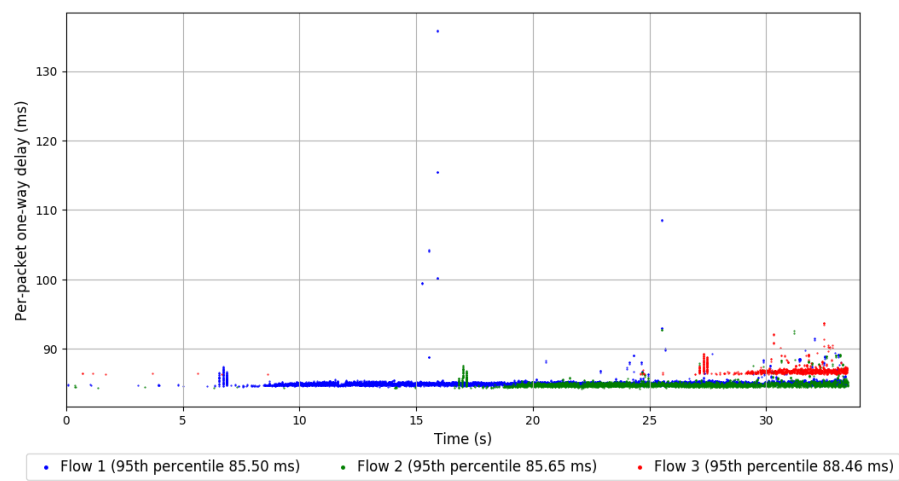
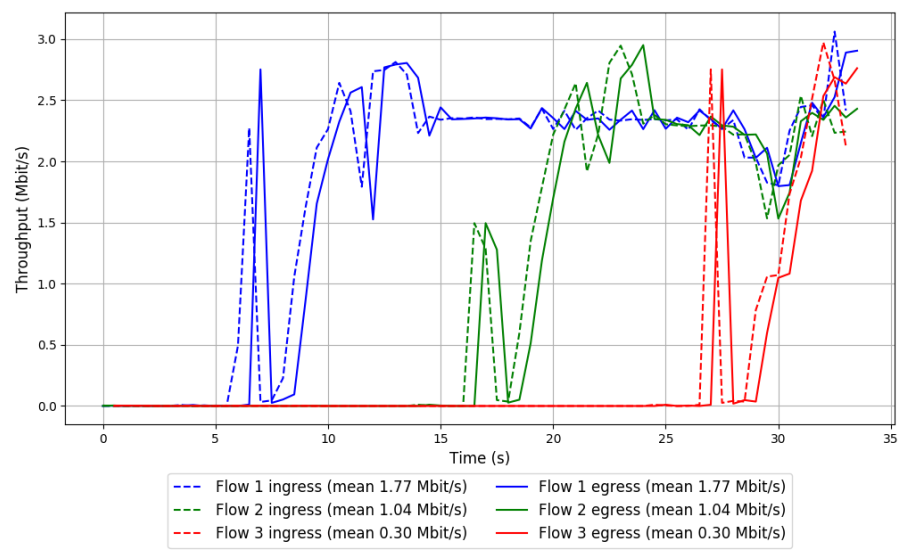
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 88.464 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

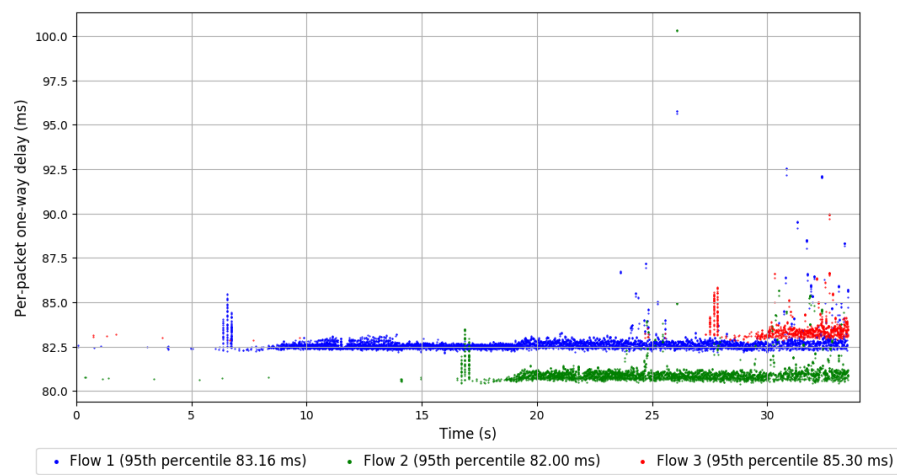
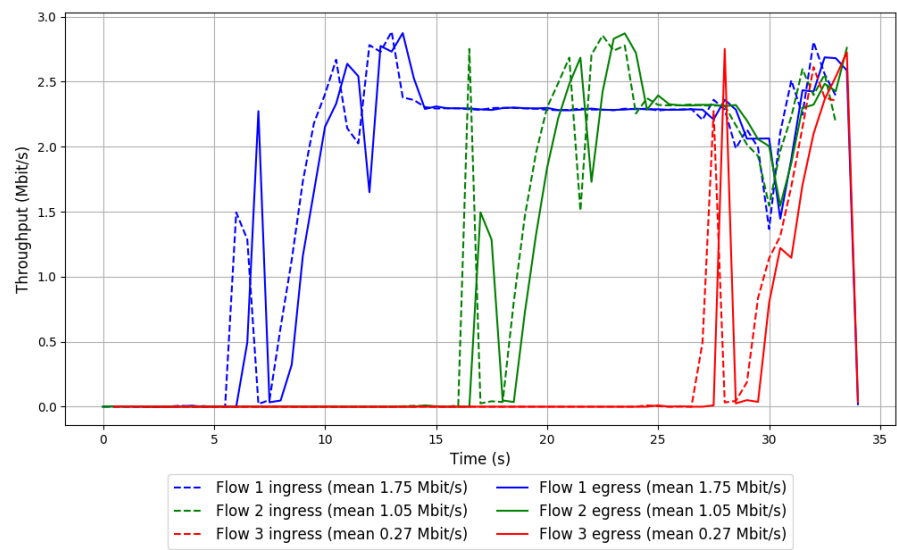


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 04:39:44
End at: 2018-07-10 04:40:14
Local clock offset: -0.556 ms
Remote clock offset: 8.63 ms

Below is generated by plot.py at 2018-07-10 07:32:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 83.586 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 83.155 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 81.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 85.295 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-10 05:00:54

End at: 2018-07-10 05:01:24

Local clock offset: -0.569 ms

Remote clock offset: 12.24 ms

Below is generated by plot.py at 2018-07-10 07:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 86.836 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 87.151 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 83.233 ms

Loss rate: 0.00%

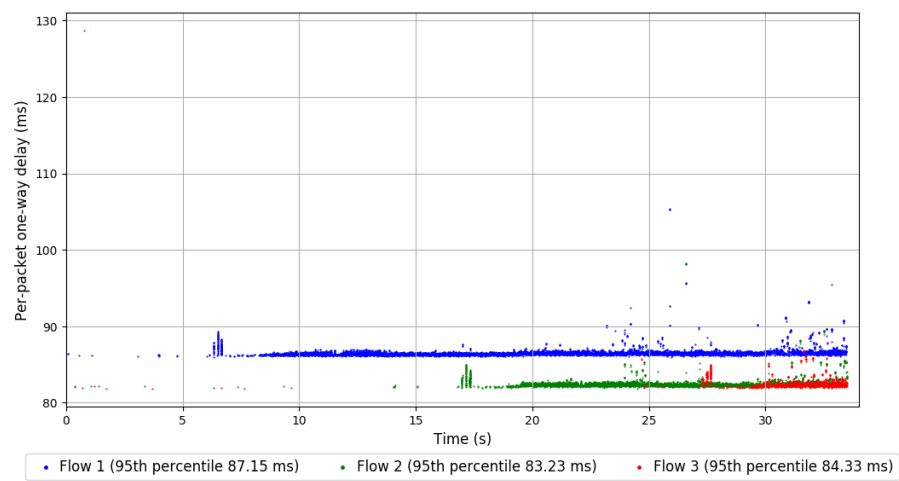
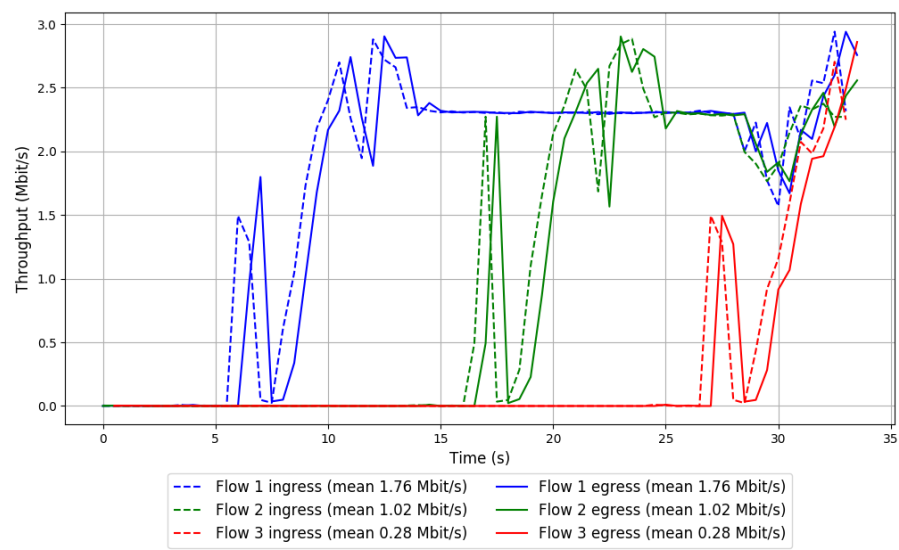
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 84.335 ms

Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-10 05:22:08

End at: 2018-07-10 05:22:38

Local clock offset: -0.444 ms

Remote clock offset: 10.01 ms

Below is generated by plot.py at 2018-07-10 07:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 82.087 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 81.661 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 80.432 ms

Loss rate: 0.00%

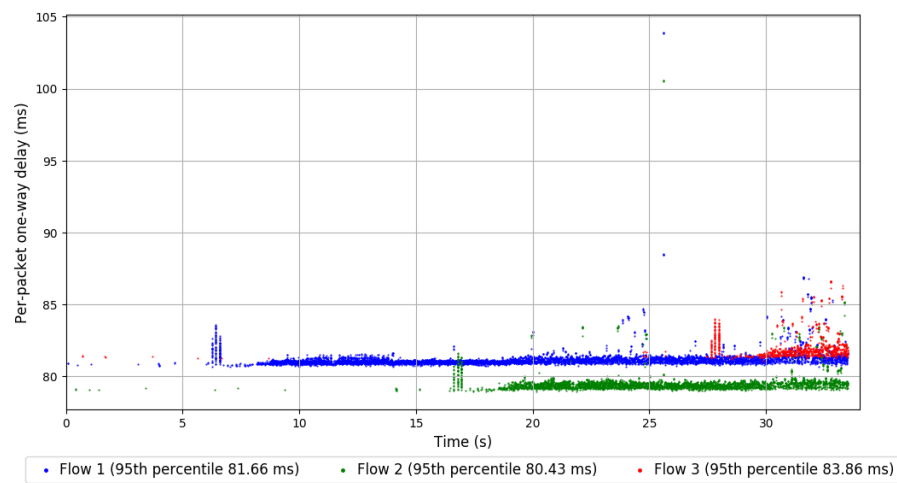
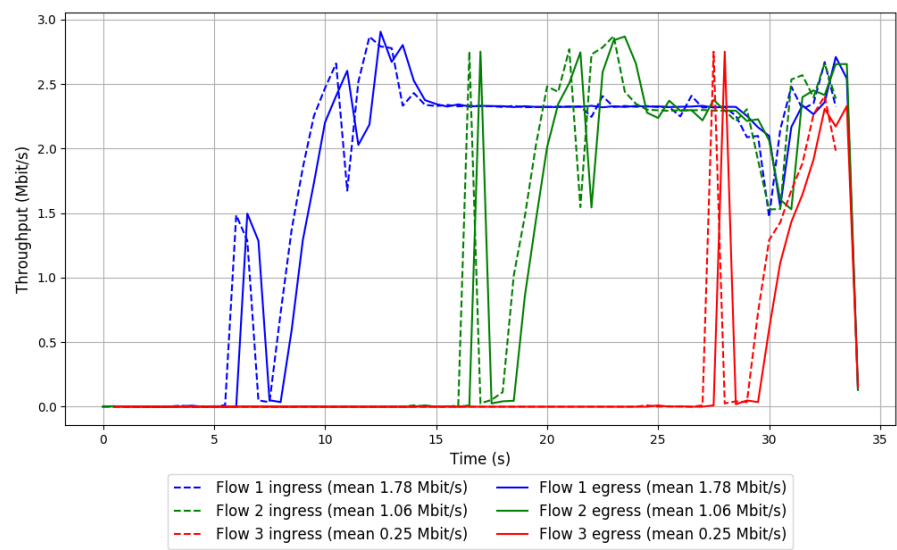
-- Flow 3:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 83.865 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

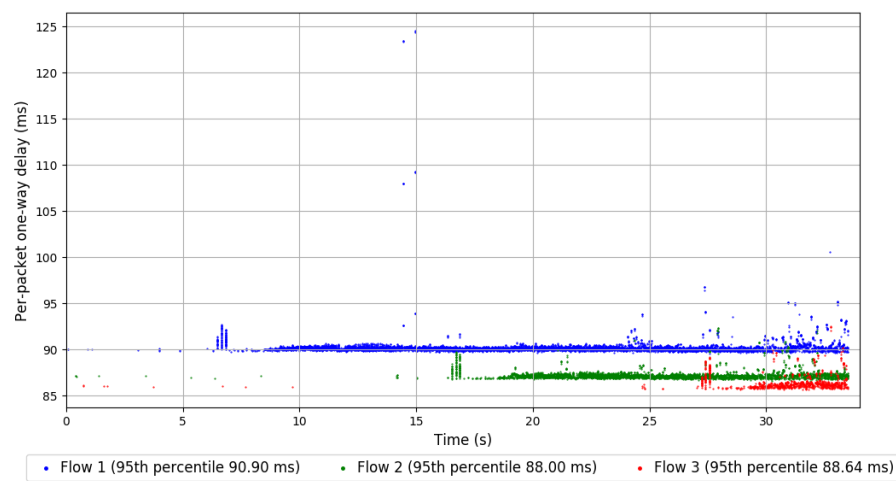
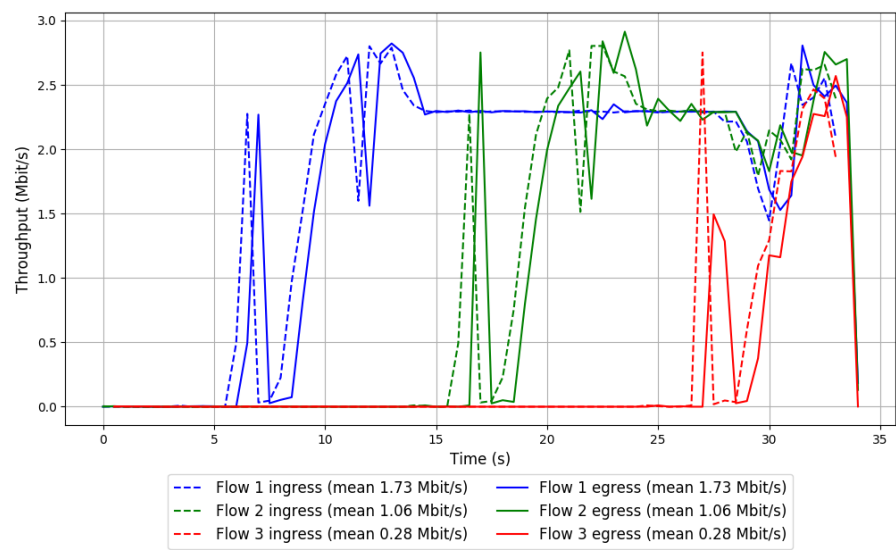


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 05:43:21
End at: 2018-07-10 05:43:51
Local clock offset: -0.278 ms
Remote clock offset: 19.658 ms

Below is generated by plot.py at 2018-07-10 07:32:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 90.514 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 90.898 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 87.998 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 88.641 ms
Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link

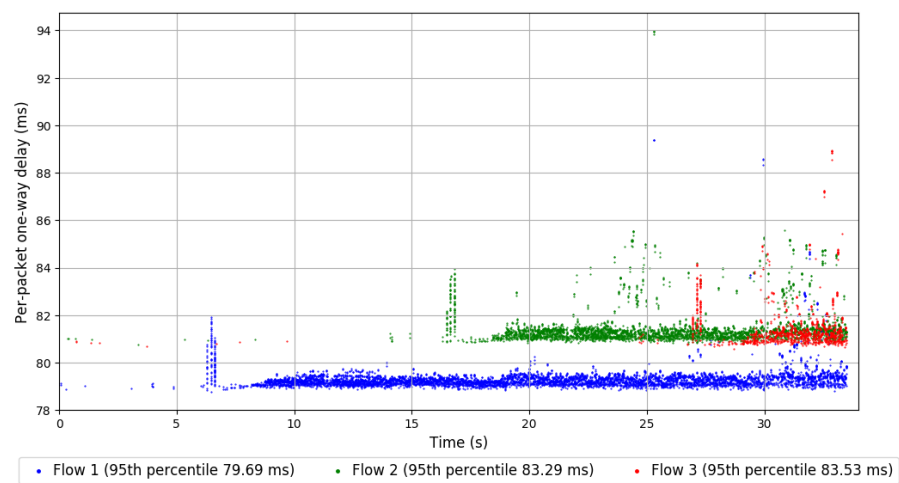
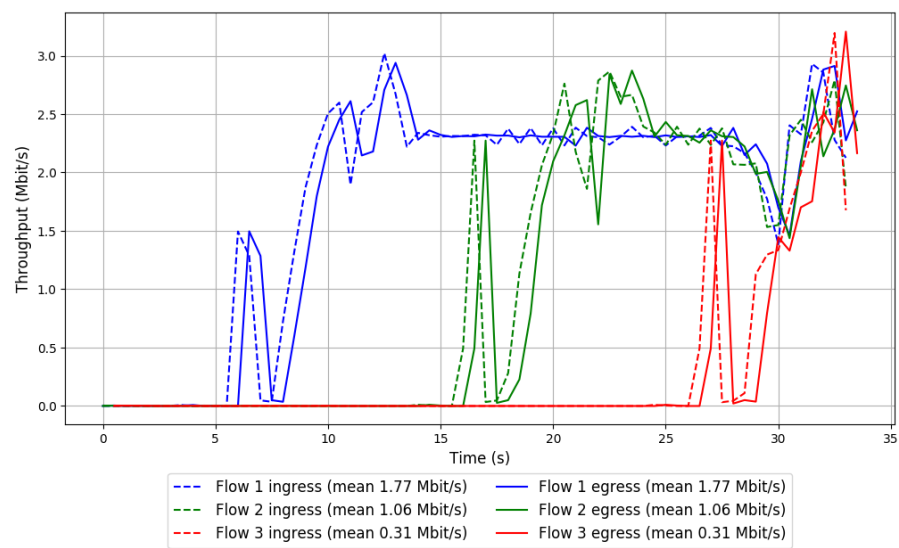


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 06:04:32
End at: 2018-07-10 06:05:02
Local clock offset: -0.097 ms
Remote clock offset: 22.132 ms

Below is generated by plot.py at 2018-07-10 07:32:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 82.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 79.689 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 83.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 83.531 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

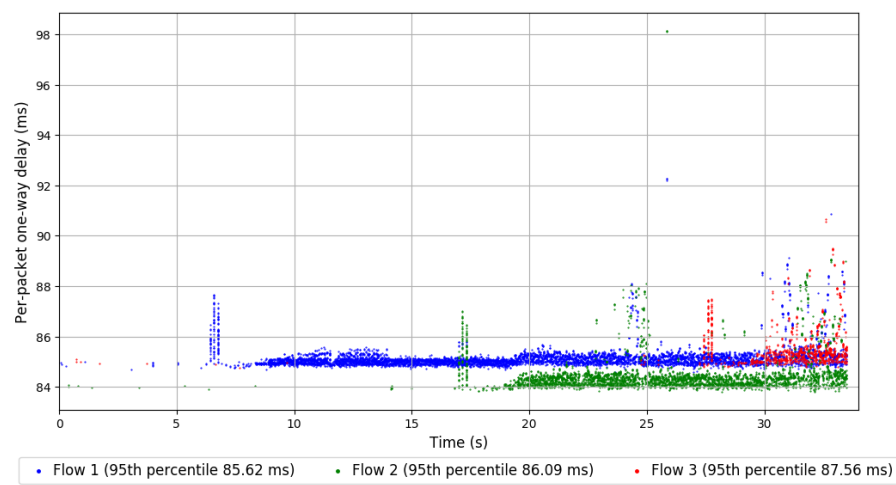
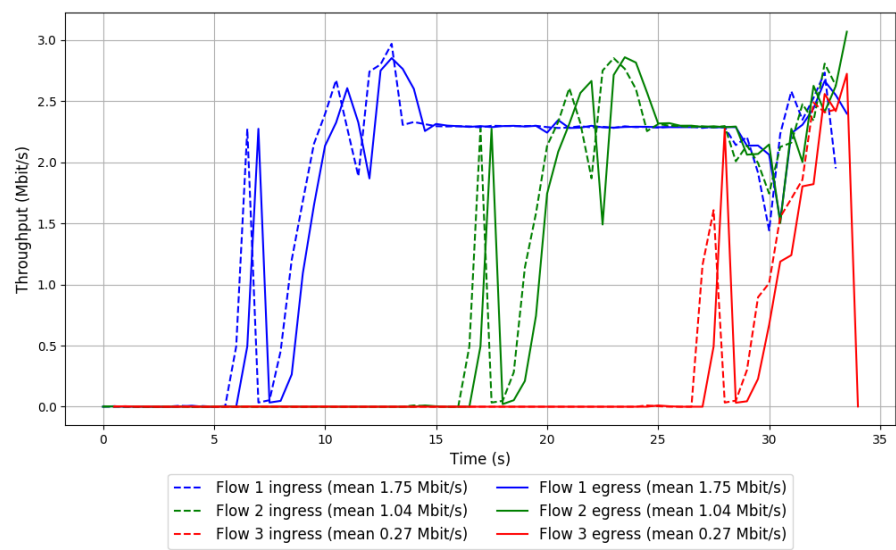


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 06:25:39
End at: 2018-07-10 06:26:09
Local clock offset: 0.008 ms
Remote clock offset: 30.523 ms

Below is generated by plot.py at 2018-07-10 07:32:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 86.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 85.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 86.089 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.563 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

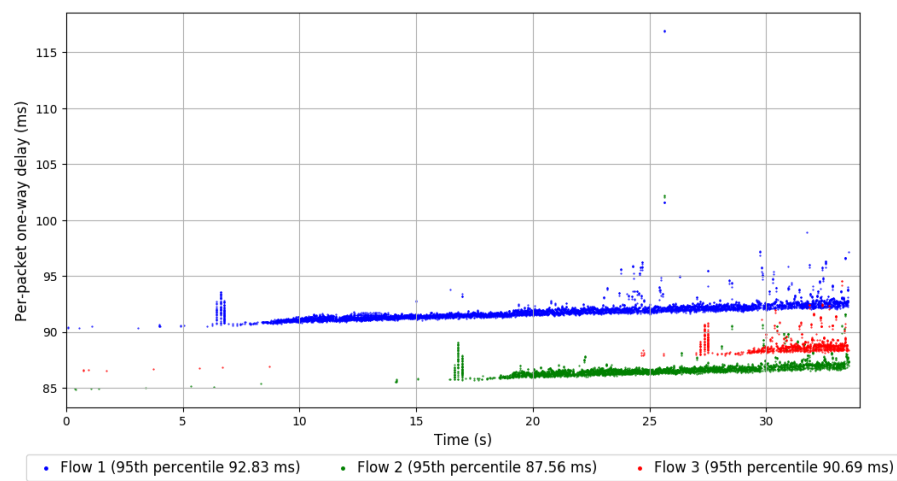
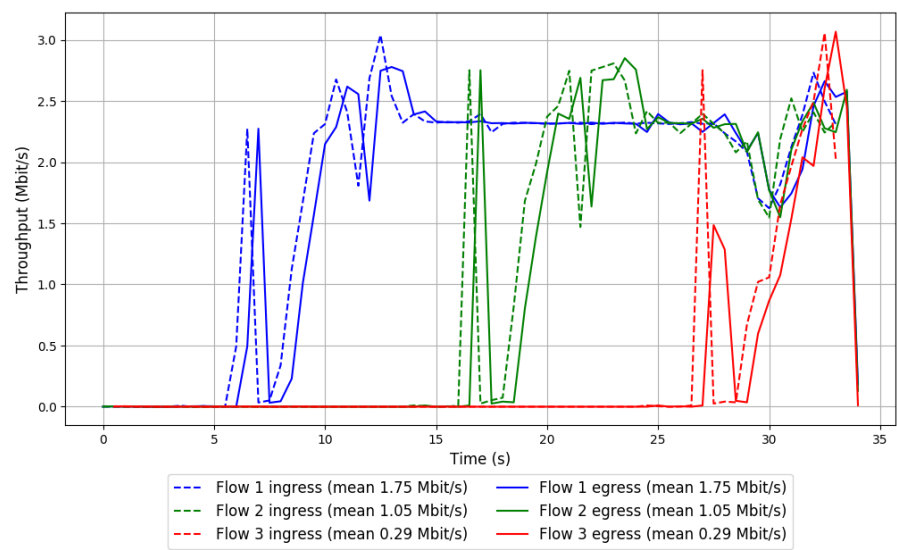


Run 9: Statistics of WebRTC media

Start at: 2018-07-10 06:46:51
End at: 2018-07-10 06:47:21
Local clock offset: -0.033 ms
Remote clock offset: 35.556 ms

Below is generated by plot.py at 2018-07-10 07:32:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 92.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 92.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 87.560 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 90.693 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 07:08:01

End at: 2018-07-10 07:08:31

Local clock offset: -0.104 ms

Remote clock offset: 4.911 ms

Below is generated by plot.py at 2018-07-10 07:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 87.885 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 87.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 88.298 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 88.876 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

