

Pantheon Report

Generated at 2018-07-21 03:34:01 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

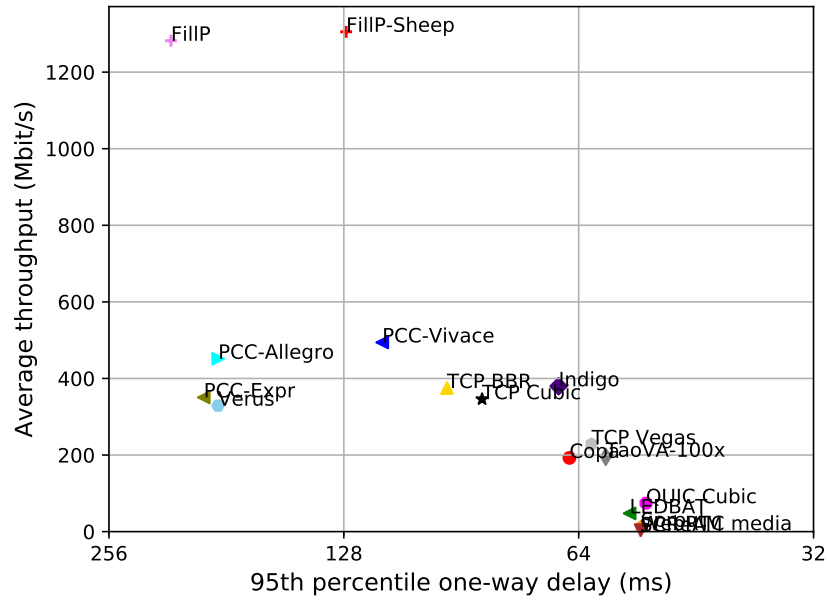
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

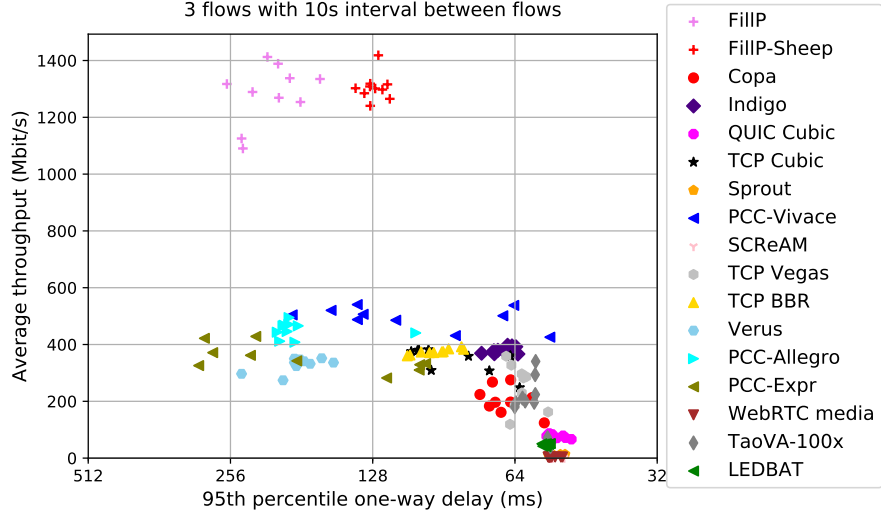
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
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 GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Tokyo to GCE Sydney, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	197.27	187.29	161.29	91.80	93.92	98.15	0.33	0.50	1.45
Copa	10	101.53	100.55	75.84	63.79	63.12	64.38	0.32	0.52	1.29
TCP Cubic	10	189.57	175.62	120.28	83.48	84.66	85.92	0.37	0.67	2.15
FillP	10	651.05	642.82	619.44	212.04	217.34	172.78	5.28	5.31	6.42
FillP-Sheep	10	671.55	652.13	608.32	131.50	121.93	111.35	1.12	1.09	1.51
Indigo	10	213.44	186.96	129.48	66.50	68.56	70.30	0.34	0.50	1.22
LEDBAT	10	31.19	19.84	10.39	55.11	55.08	54.71	0.70	1.05	2.06
PCC-Allegro	10	421.75	39.88	9.75	185.54	182.59	156.40	1.63	1.61	1.92
PCC-Expr	10	245.09	113.66	91.63	202.97	137.32	146.55	4.68	3.09	7.21
QUIC Cubic	10	44.57	34.37	20.75	51.54	52.08	51.47	0.53	0.87	1.49
SCReAM	10	0.21	0.21	0.22	52.47	51.99	52.46	0.35	0.59	1.05
Sprout	10	6.65	5.97	6.22	53.78	52.48	51.92	0.34	0.56	1.35
TaoVA-100x	10	113.25	116.79	126.45	56.51	60.12	58.68	0.16	0.33	0.62
TCP Vegas	10	129.50	95.60	106.31	59.52	59.02	58.88	0.34	0.60	1.16
Verus	10	195.67	148.10	110.93	183.20	184.11	222.53	1.97	1.84	2.41
PCC-Vivace	10	287.44	251.75	120.63	120.75	102.09	63.34	0.71	0.65	1.79
WebRTC media	10	2.01	1.31	0.53	52.28	52.13	53.42	0.41	0.70	1.73

Run 1: Statistics of TCP BBR

Start at: 2018-07-20 20:24:58

End at: 2018-07-20 20:25:28

Local clock offset: 0.08 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-21 00:37:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.17 Mbit/s

95th percentile per-packet one-way delay: 83.052 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 204.70 Mbit/s

95th percentile per-packet one-way delay: 81.630 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 193.88 Mbit/s

95th percentile per-packet one-way delay: 83.271 ms

Loss rate: 0.58%

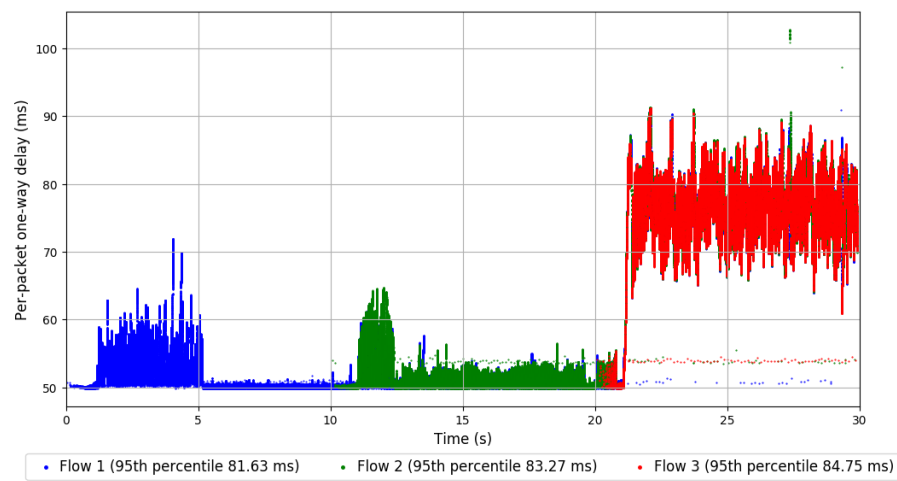
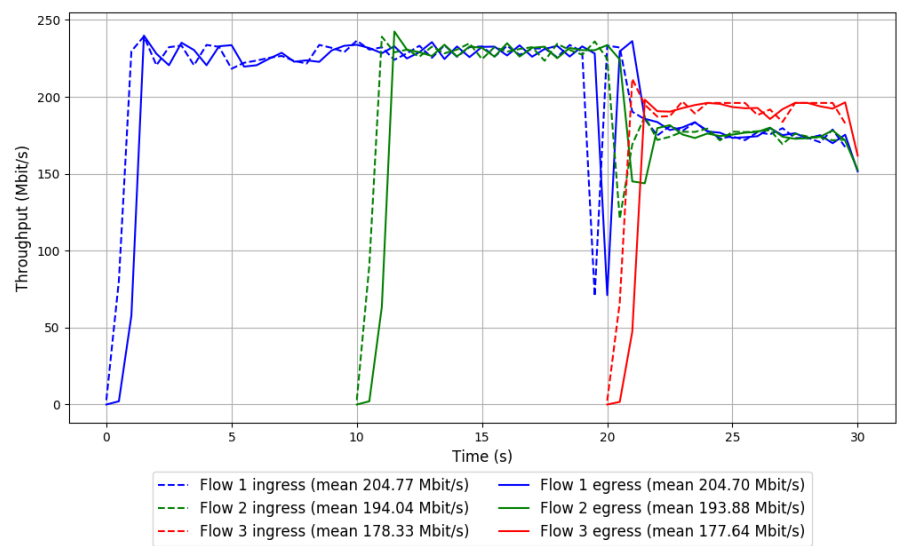
-- Flow 3:

Average throughput: 177.64 Mbit/s

95th percentile per-packet one-way delay: 84.754 ms

Loss rate: 1.44%

Run 1: Report of TCP BBR — Data Link

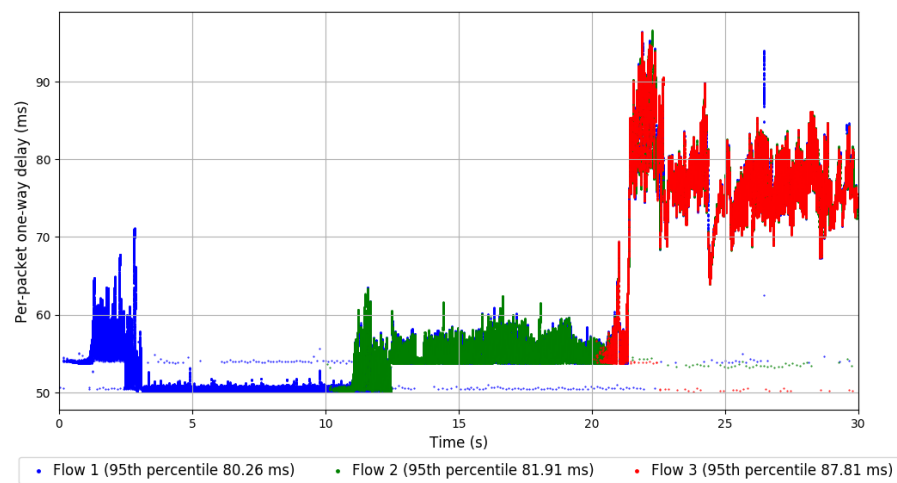
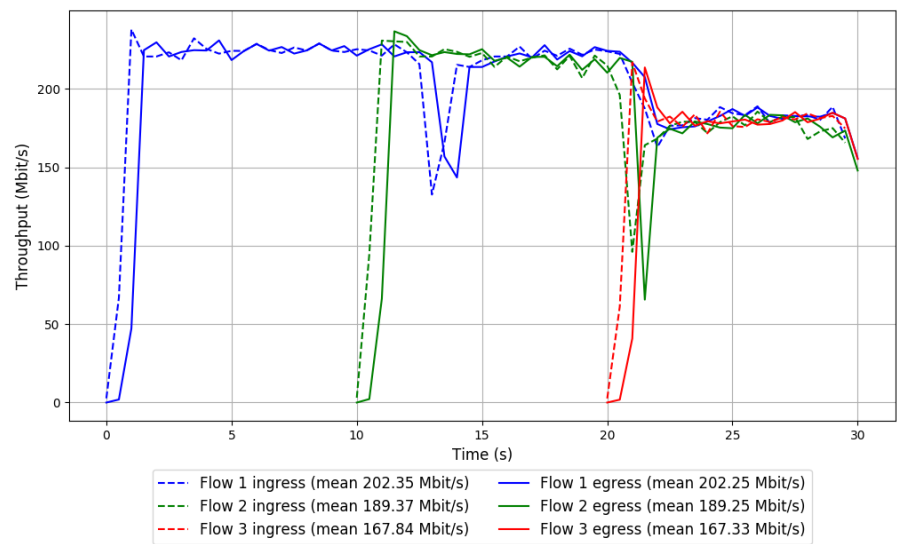


Run 2: Statistics of TCP BBR

Start at: 2018-07-20 20:50:32
End at: 2018-07-20 20:51:02
Local clock offset: 0.073 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-21 00:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.37 Mbit/s
95th percentile per-packet one-way delay: 82.202 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 202.25 Mbit/s
95th percentile per-packet one-way delay: 80.260 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 189.25 Mbit/s
95th percentile per-packet one-way delay: 81.910 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 167.33 Mbit/s
95th percentile per-packet one-way delay: 87.810 ms
Loss rate: 1.42%

Run 2: Report of TCP BBR — Data Link

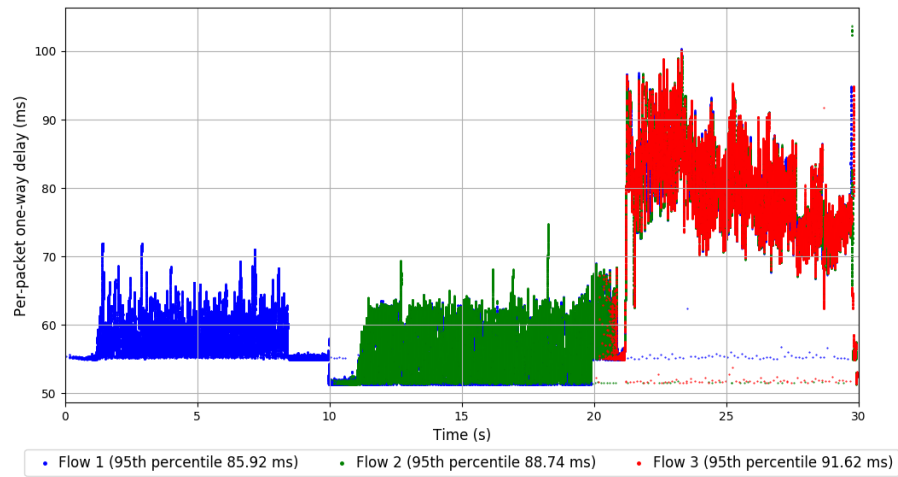
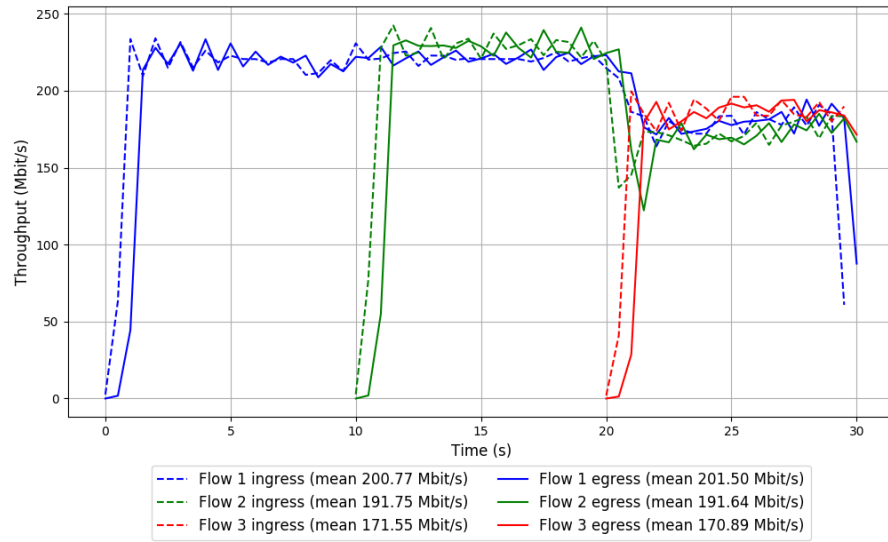


Run 3: Statistics of TCP BBR

Start at: 2018-07-20 21:15:54
End at: 2018-07-20 21:16:24
Local clock offset: 0.004 ms
Remote clock offset: -1.404 ms

Below is generated by plot.py at 2018-07-21 00:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.70 Mbit/s
95th percentile per-packet one-way delay: 88.422 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 201.50 Mbit/s
95th percentile per-packet one-way delay: 85.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.64 Mbit/s
95th percentile per-packet one-way delay: 88.740 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 170.89 Mbit/s
95th percentile per-packet one-way delay: 91.619 ms
Loss rate: 1.34%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-20 21:41:07

End at: 2018-07-20 21:41:37

Local clock offset: -0.049 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-21 00:37:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.77 Mbit/s

95th percentile per-packet one-way delay: 90.804 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 195.40 Mbit/s

95th percentile per-packet one-way delay: 88.571 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 184.21 Mbit/s

95th percentile per-packet one-way delay: 90.730 ms

Loss rate: 0.59%

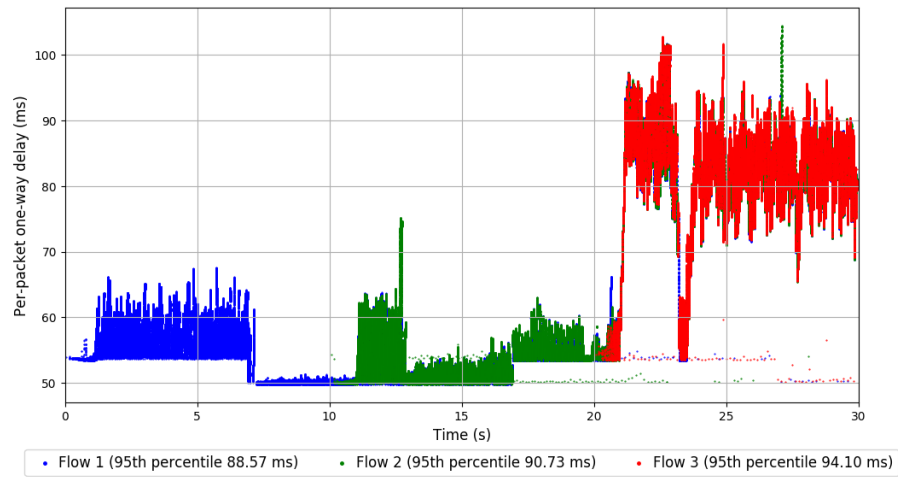
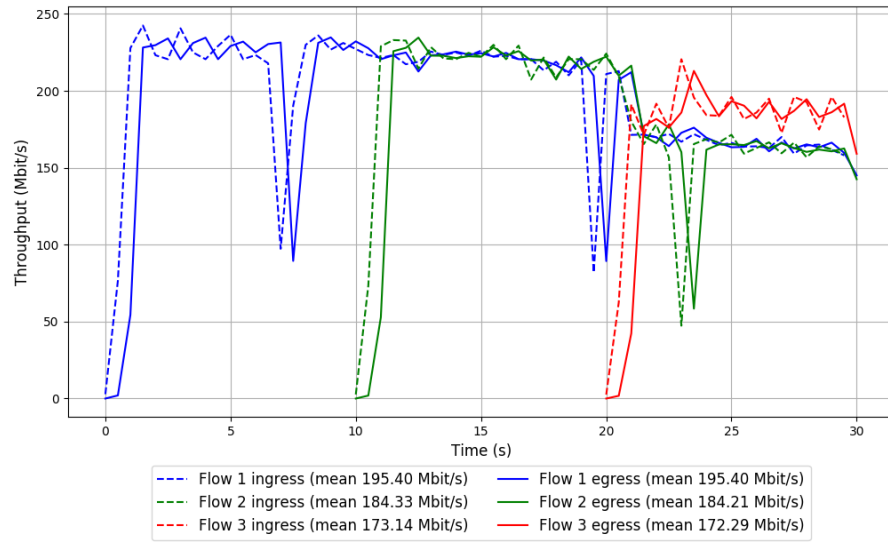
-- Flow 3:

Average throughput: 172.29 Mbit/s

95th percentile per-packet one-way delay: 94.096 ms

Loss rate: 1.52%

Run 4: Report of TCP BBR — Data Link

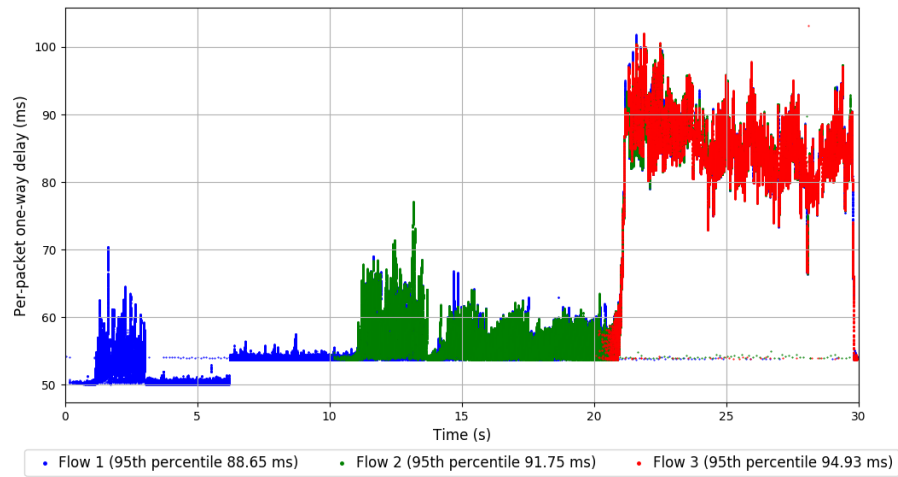
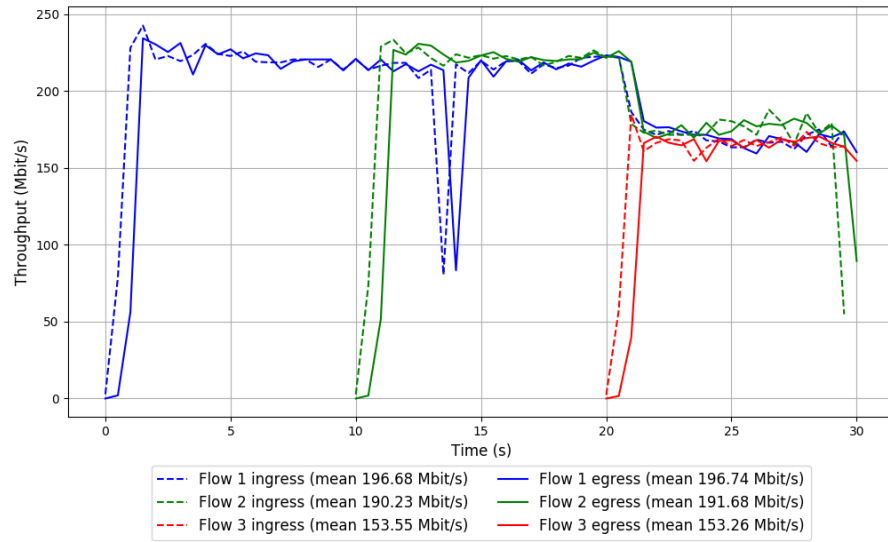


Run 5: Statistics of TCP BBR

Start at: 2018-07-20 22:06:08
End at: 2018-07-20 22:06:38
Local clock offset: -0.009 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-21 00:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.23 Mbit/s
95th percentile per-packet one-way delay: 91.375 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 196.74 Mbit/s
95th percentile per-packet one-way delay: 88.646 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 191.68 Mbit/s
95th percentile per-packet one-way delay: 91.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.26 Mbit/s
95th percentile per-packet one-way delay: 94.930 ms
Loss rate: 1.24%

Run 5: Report of TCP BBR — Data Link

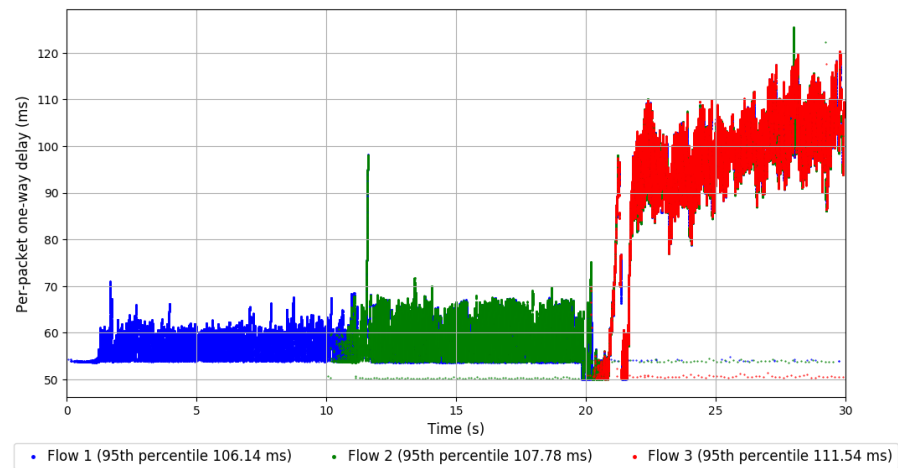
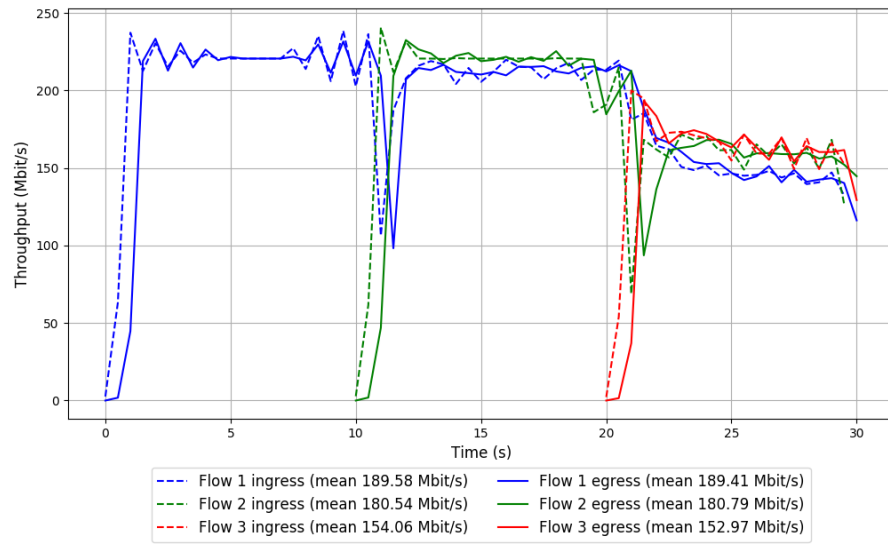


Run 6: Statistics of TCP BBR

Start at: 2018-07-20 22:30:54
End at: 2018-07-20 22:31:24
Local clock offset: -0.065 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-21 00:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.21 Mbit/s
95th percentile per-packet one-way delay: 108.135 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 189.41 Mbit/s
95th percentile per-packet one-way delay: 106.142 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 107.782 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 152.97 Mbit/s
95th percentile per-packet one-way delay: 111.543 ms
Loss rate: 1.70%

Run 6: Report of TCP BBR — Data Link

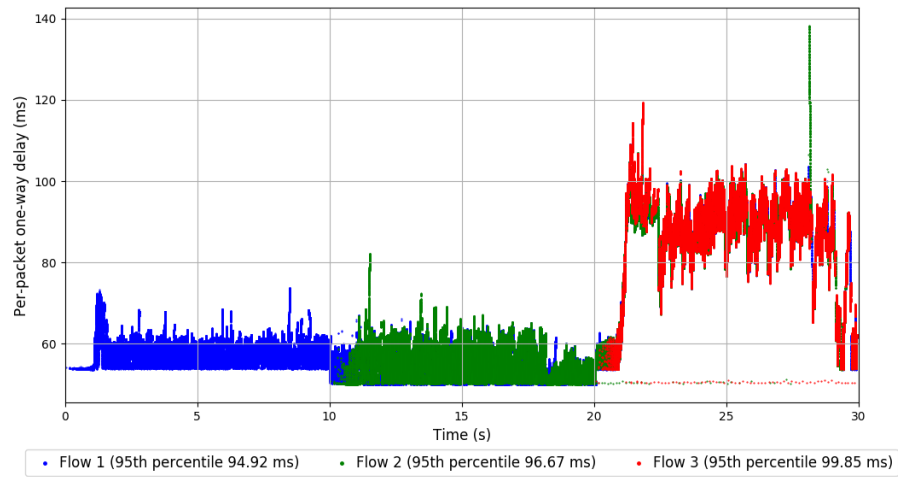
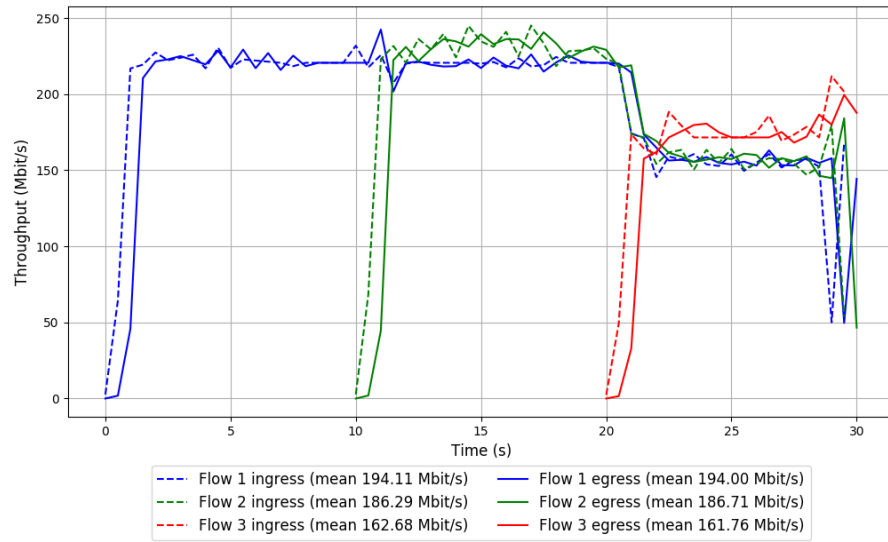


Run 7: Statistics of TCP BBR

Start at: 2018-07-20 22:55:54
End at: 2018-07-20 22:56:24
Local clock offset: -0.17 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-21 00:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.38 Mbit/s
95th percentile per-packet one-way delay: 97.052 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 194.00 Mbit/s
95th percentile per-packet one-way delay: 94.916 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 186.71 Mbit/s
95th percentile per-packet one-way delay: 96.666 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 161.76 Mbit/s
95th percentile per-packet one-way delay: 99.853 ms
Loss rate: 1.58%

Run 7: Report of TCP BBR — Data Link

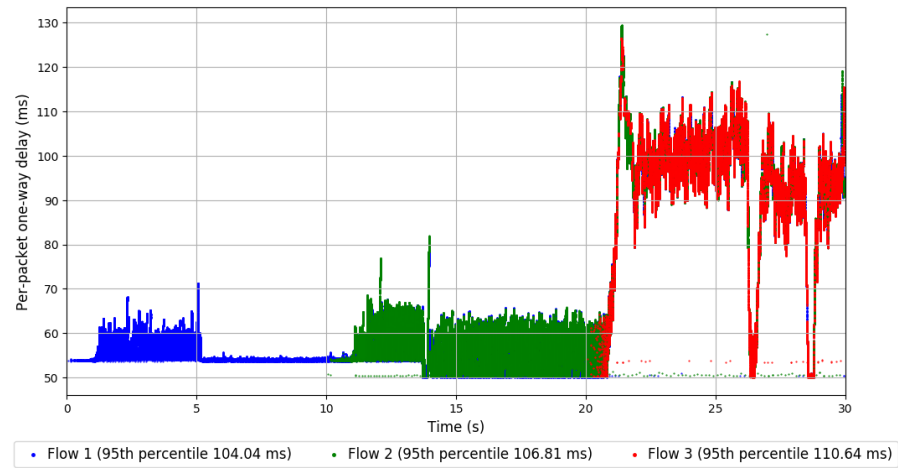
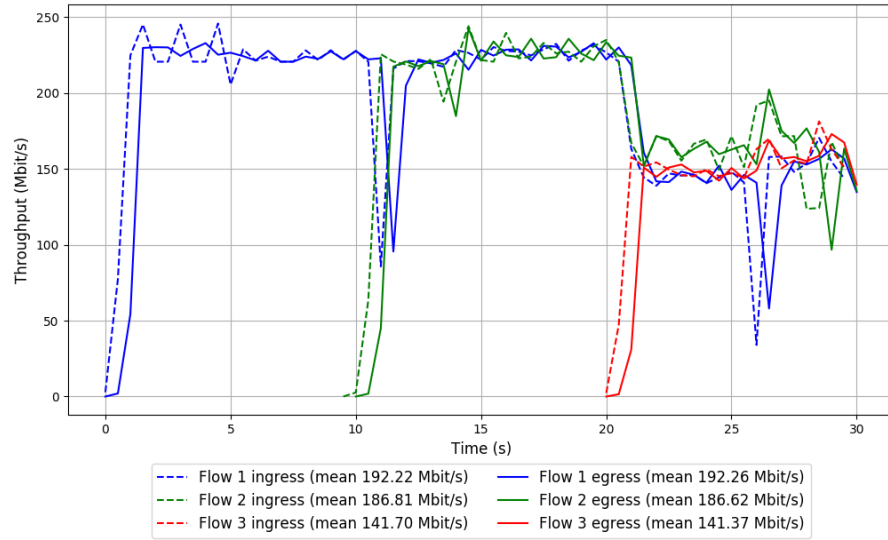


Run 8: Statistics of TCP BBR

Start at: 2018-07-20 23:21:00
End at: 2018-07-20 23:21:30
Local clock offset: -0.2 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-07-21 00:37:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.13 Mbit/s
95th percentile per-packet one-way delay: 106.749 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 192.26 Mbit/s
95th percentile per-packet one-way delay: 104.040 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 186.62 Mbit/s
95th percentile per-packet one-way delay: 106.813 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 141.37 Mbit/s
95th percentile per-packet one-way delay: 110.642 ms
Loss rate: 1.30%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-20 23:45:26

End at: 2018-07-20 23:45:56

Local clock offset: -0.301 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2018-07-21 00:43:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 371.74 Mbit/s

95th percentile per-packet one-way delay: 95.064 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 196.67 Mbit/s

95th percentile per-packet one-way delay: 90.464 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 187.21 Mbit/s

95th percentile per-packet one-way delay: 90.678 ms

Loss rate: 0.59%

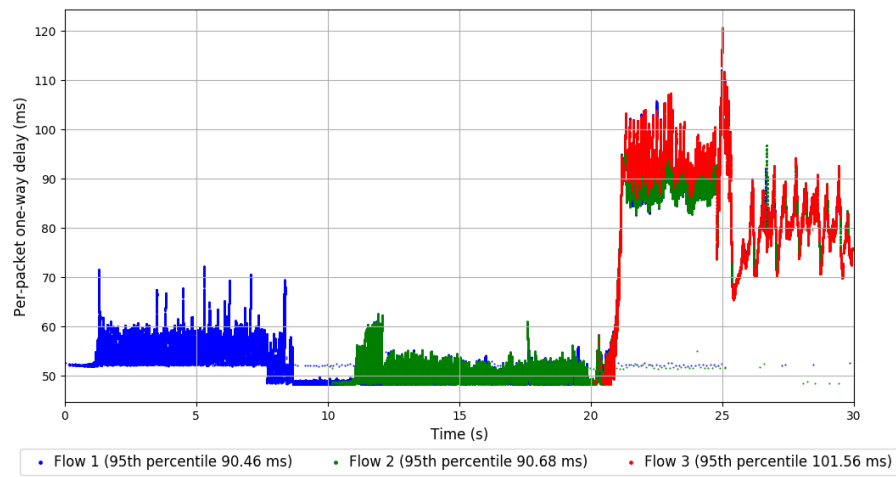
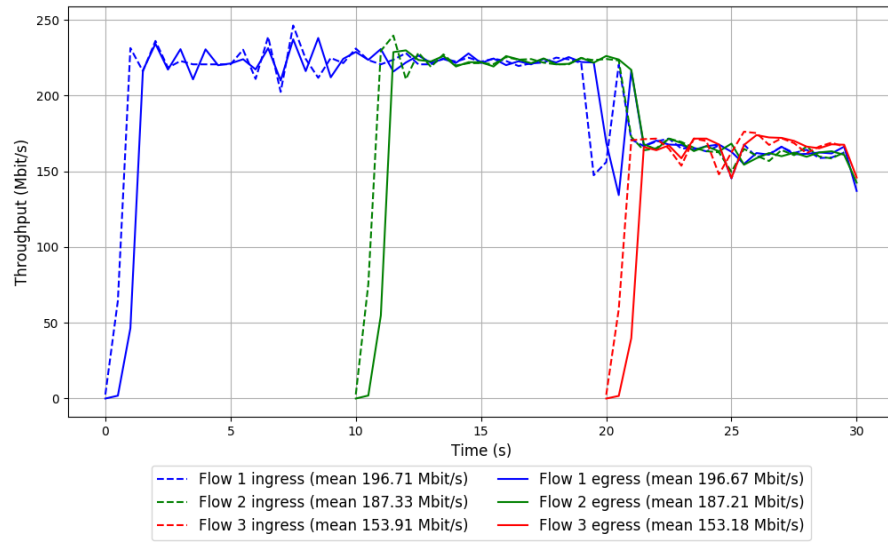
-- Flow 3:

Average throughput: 153.18 Mbit/s

95th percentile per-packet one-way delay: 101.558 ms

Loss rate: 1.49%

Run 9: Report of TCP BBR — Data Link

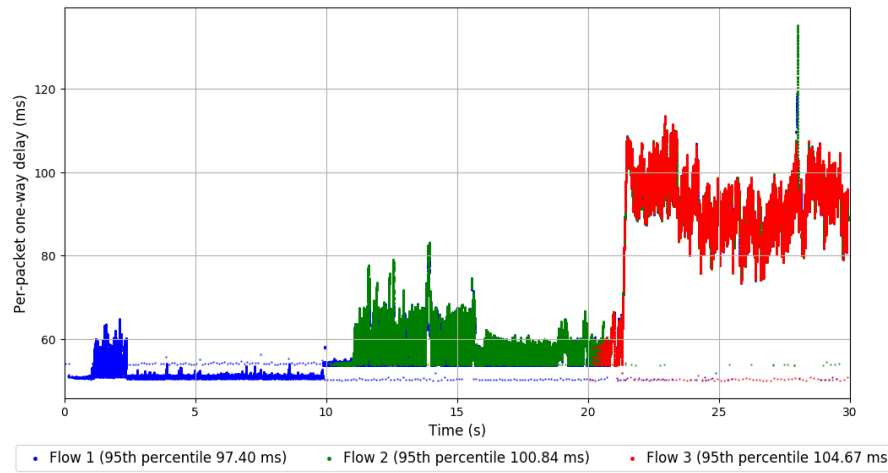
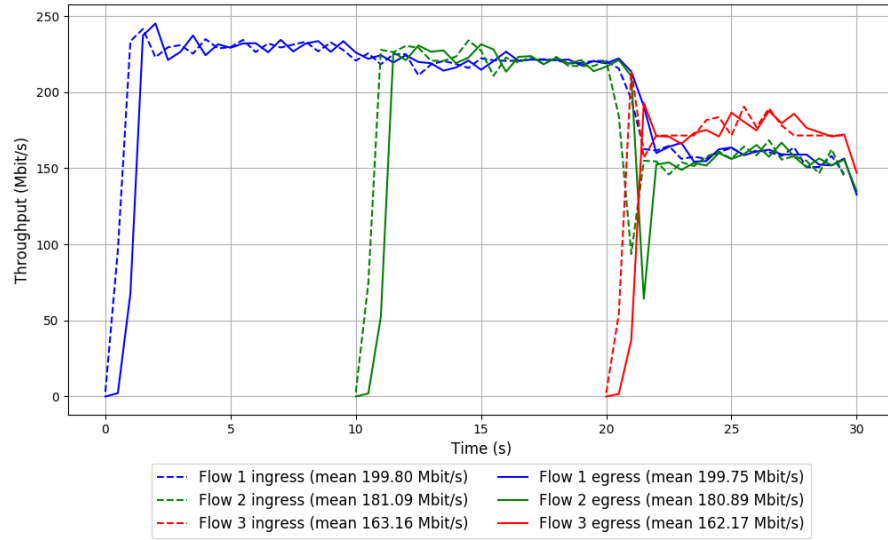


Run 10: Statistics of TCP BBR

Start at: 2018-07-21 00:10:24
End at: 2018-07-21 00:10:54
Local clock offset: 0.114 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-21 00:43:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.52 Mbit/s
95th percentile per-packet one-way delay: 101.089 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 199.75 Mbit/s
95th percentile per-packet one-way delay: 97.402 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 180.89 Mbit/s
95th percentile per-packet one-way delay: 100.845 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 162.17 Mbit/s
95th percentile per-packet one-way delay: 104.667 ms
Loss rate: 1.51%

Run 10: Report of TCP BBR — Data Link

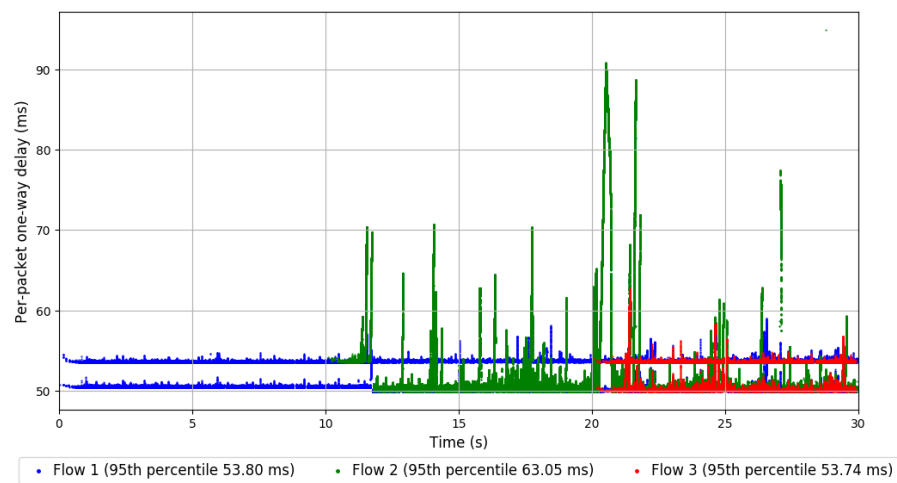
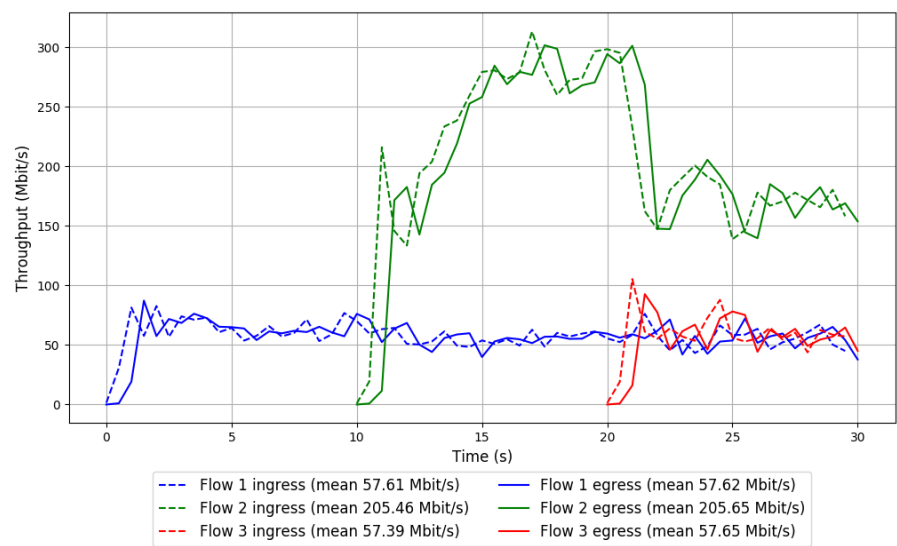


Run 1: Statistics of Copa

Start at: 2018-07-20 20:05:32
End at: 2018-07-20 20:06:02
Local clock offset: -0.047 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-21 00:44:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.96 Mbit/s
95th percentile per-packet one-way delay: 58.883 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 53.796 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 205.65 Mbit/s
95th percentile per-packet one-way delay: 63.045 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 57.65 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 1.11%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-20 20:30:41

End at: 2018-07-20 20:31:11

Local clock offset: 0.125 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-21 00:45:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.75 Mbit/s

95th percentile per-packet one-way delay: 71.422 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 187.81 Mbit/s

95th percentile per-packet one-way delay: 74.960 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 34.27 Mbit/s

95th percentile per-packet one-way delay: 55.953 ms

Loss rate: 0.97%

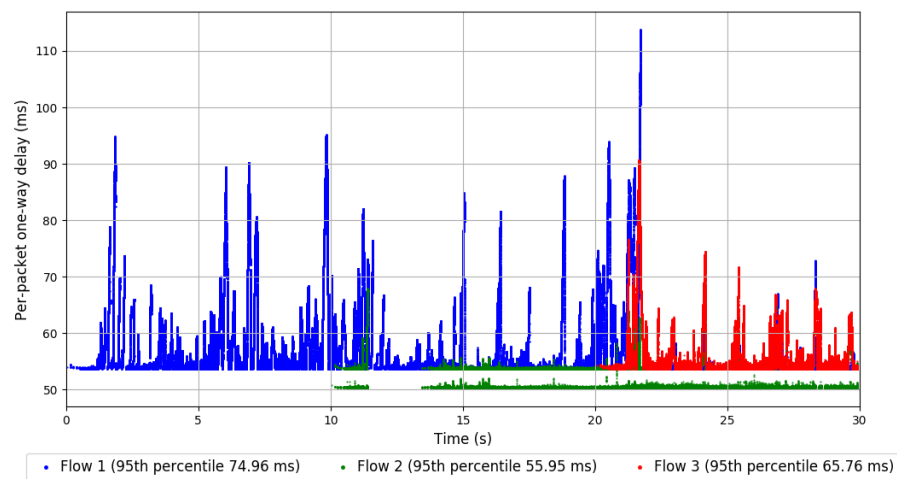
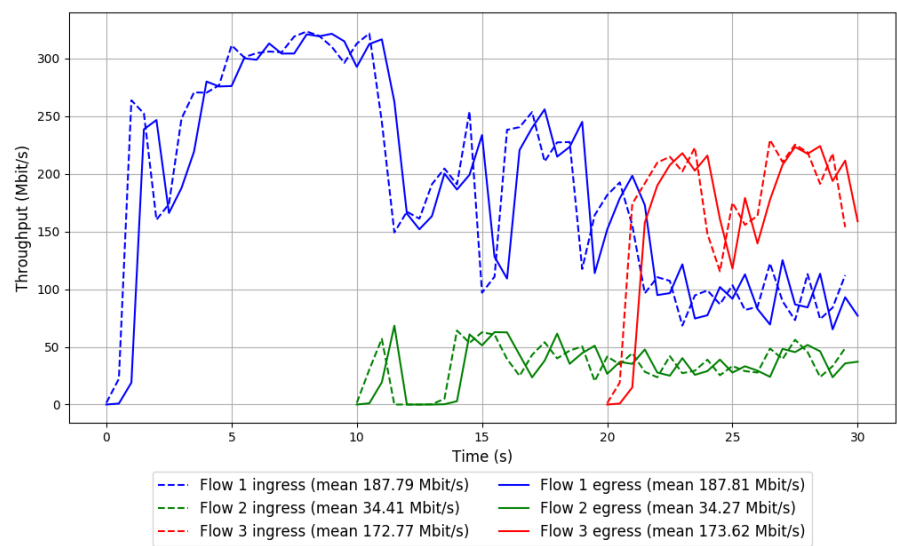
-- Flow 3:

Average throughput: 173.62 Mbit/s

95th percentile per-packet one-way delay: 65.764 ms

Loss rate: 0.60%

Run 2: Report of Copa — Data Link

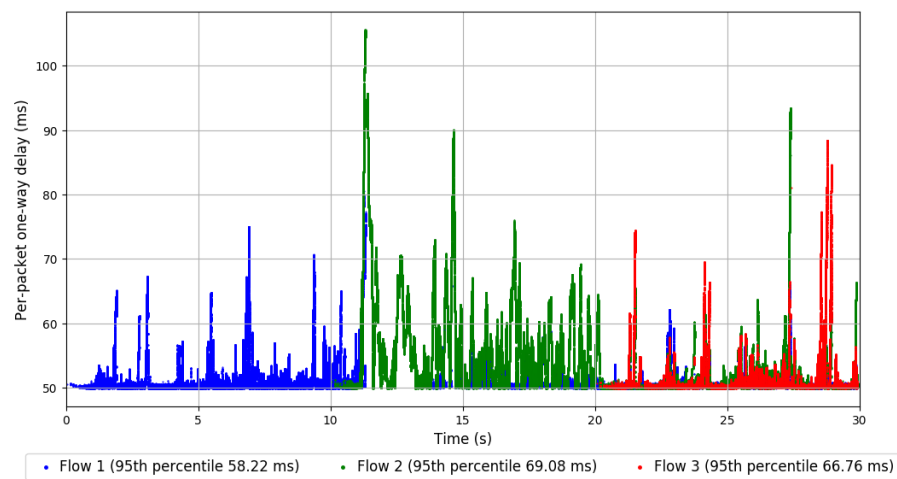
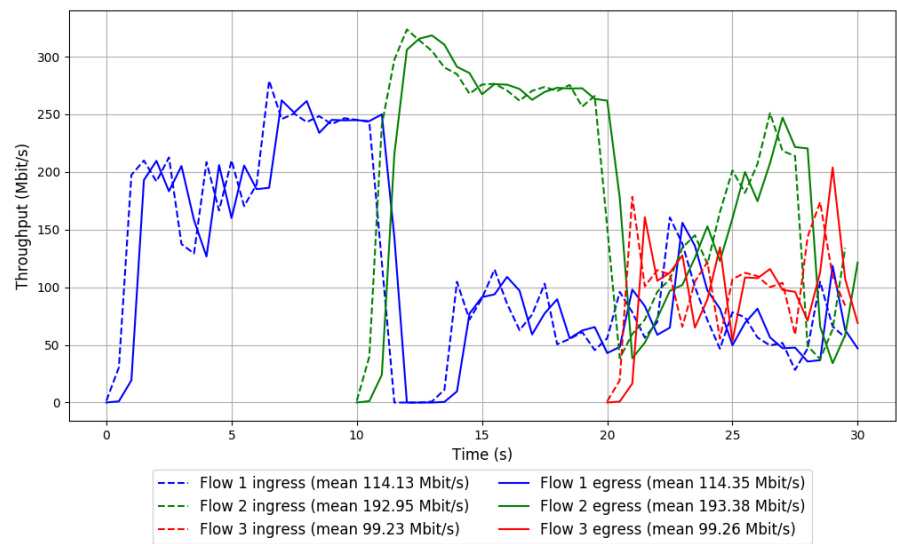


Run 3: Statistics of Copa

Start at: 2018-07-20 20:56:08
End at: 2018-07-20 20:56:38
Local clock offset: -0.003 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-21 00:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.60 Mbit/s
95th percentile per-packet one-way delay: 65.363 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 114.35 Mbit/s
95th percentile per-packet one-way delay: 58.221 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 193.38 Mbit/s
95th percentile per-packet one-way delay: 69.075 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 99.26 Mbit/s
95th percentile per-packet one-way delay: 66.763 ms
Loss rate: 1.02%

Run 3: Report of Copa — Data Link

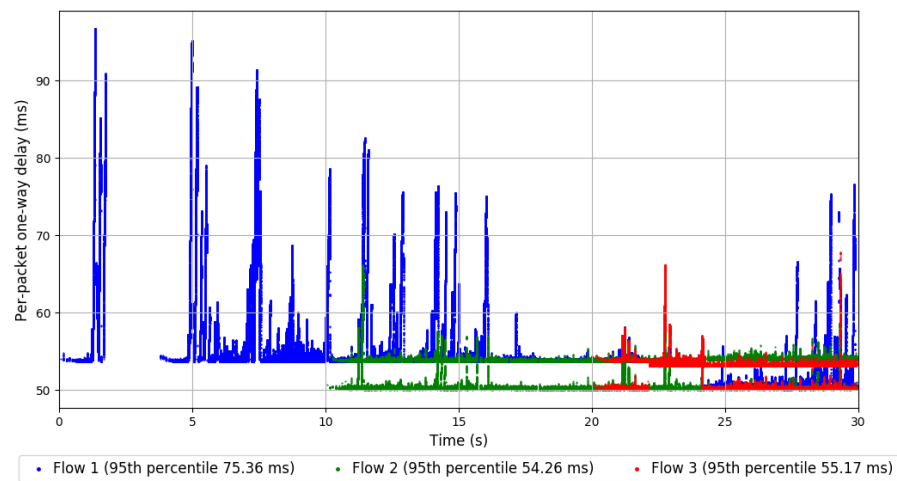
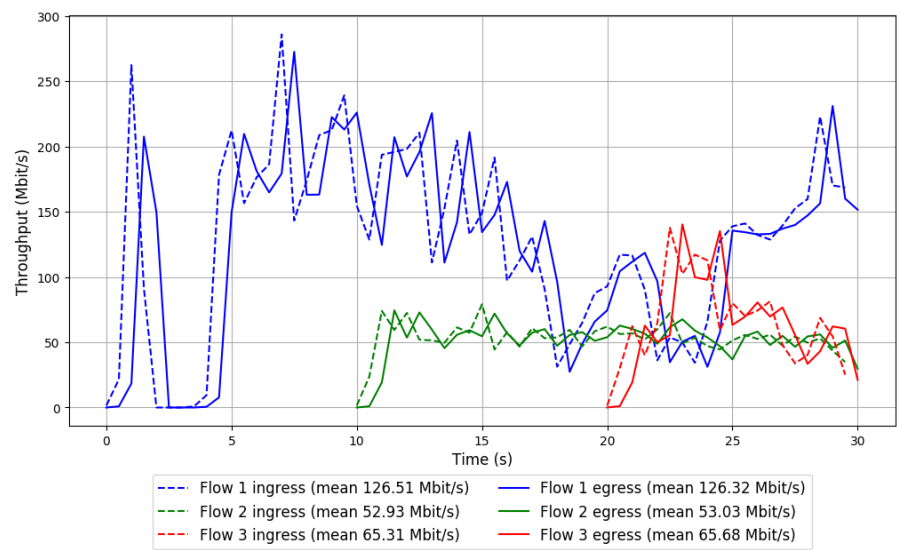


Run 4: Statistics of Copa

Start at: 2018-07-20 21:21:40
End at: 2018-07-20 21:22:10
Local clock offset: 0.031 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-21 00:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.31 Mbit/s
95th percentile per-packet one-way delay: 72.483 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 126.32 Mbit/s
95th percentile per-packet one-way delay: 75.360 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 54.263 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 55.174 ms
Loss rate: 0.47%

Run 4: Report of Copa — Data Link

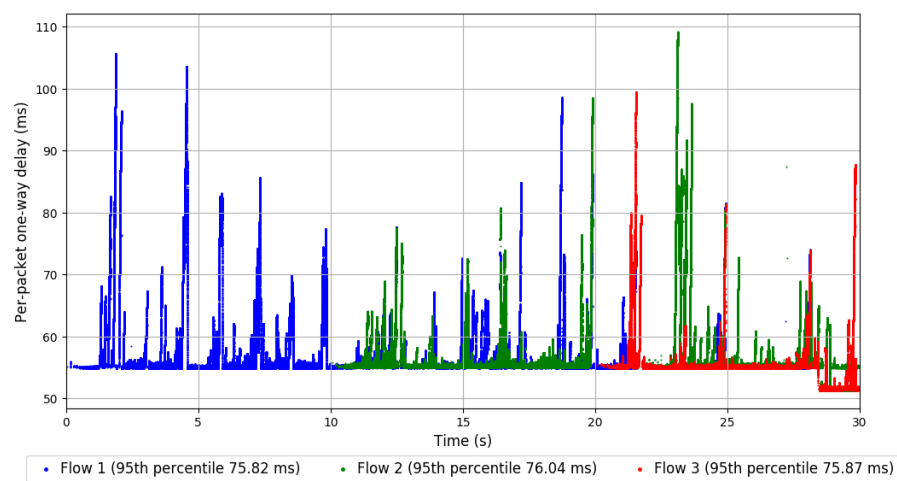
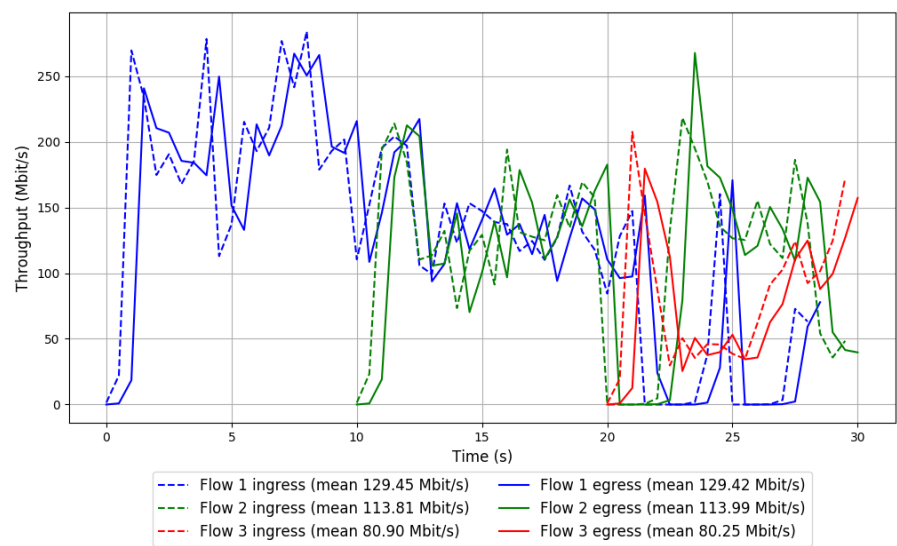


Run 5: Statistics of Copa

Start at: 2018-07-20 21:46:46
End at: 2018-07-20 21:47:16
Local clock offset: 0.178 ms
Remote clock offset: -1.264 ms

Below is generated by plot.py at 2018-07-21 00:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.03 Mbit/s
95th percentile per-packet one-way delay: 75.920 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 129.42 Mbit/s
95th percentile per-packet one-way delay: 75.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.99 Mbit/s
95th percentile per-packet one-way delay: 76.039 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 75.873 ms
Loss rate: 1.84%

Run 5: Report of Copa — Data Link

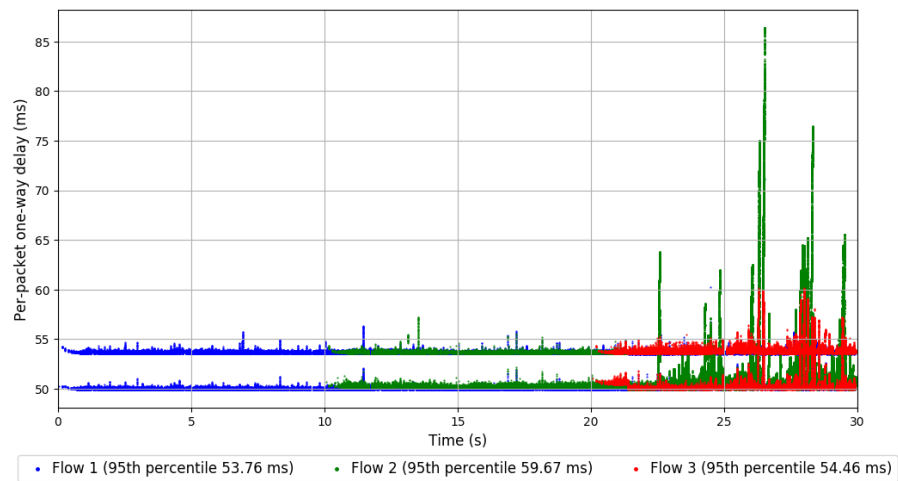
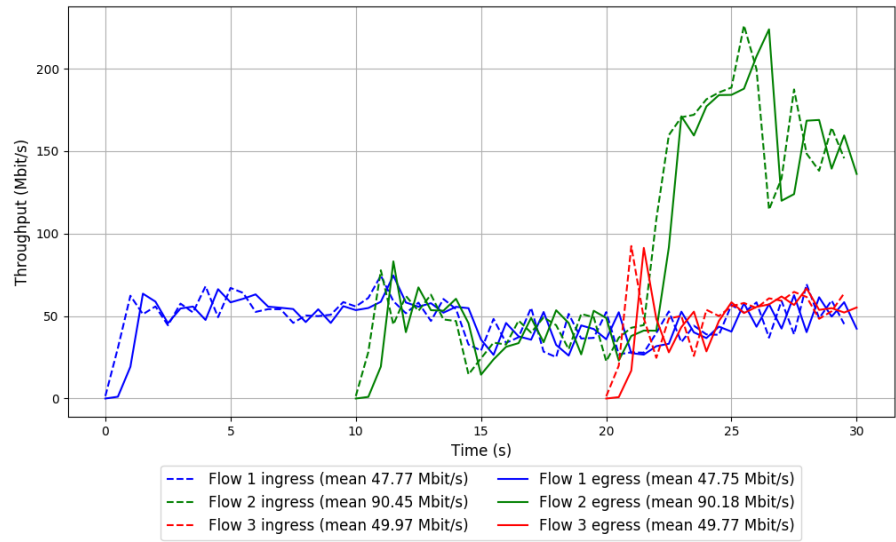


Run 6: Statistics of Copa

Start at: 2018-07-20 22:11:43
End at: 2018-07-20 22:12:13
Local clock offset: -0.105 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-21 00:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.13 Mbit/s
95th percentile per-packet one-way delay: 55.471 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 53.759 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 59.667 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 54.456 ms
Loss rate: 1.44%

Run 6: Report of Copa — Data Link

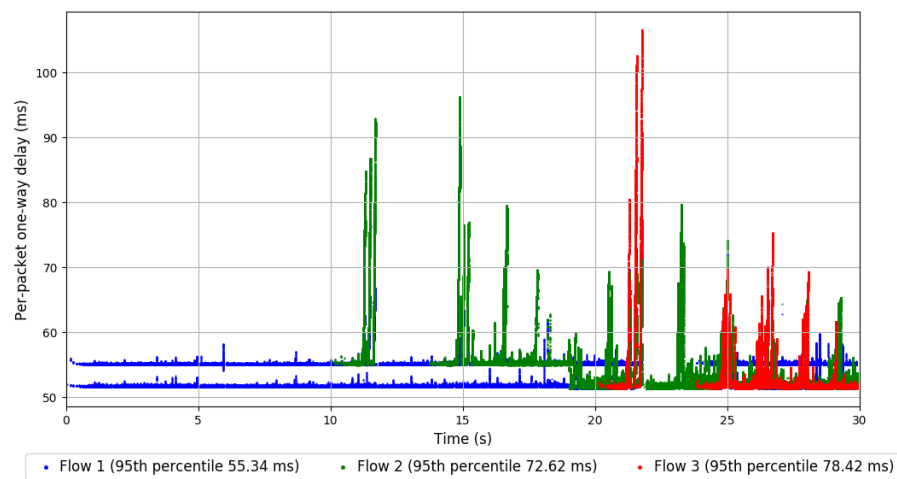
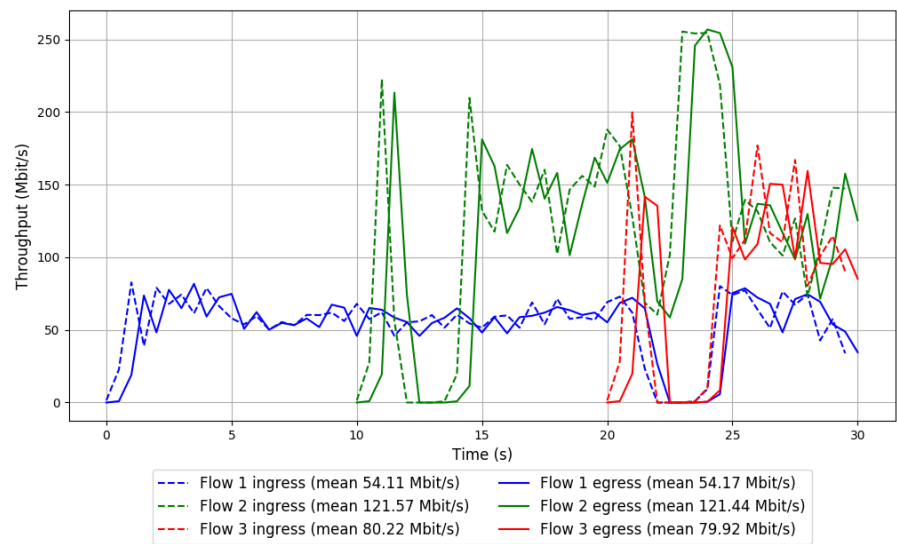


Run 7: Statistics of Copa

Start at: 2018-07-20 22:36:35
End at: 2018-07-20 22:37:05
Local clock offset: -0.11 ms
Remote clock offset: -1.465 ms

Below is generated by plot.py at 2018-07-21 00:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.23 Mbit/s
95th percentile per-packet one-way delay: 68.487 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 54.17 Mbit/s
95th percentile per-packet one-way delay: 55.343 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 121.44 Mbit/s
95th percentile per-packet one-way delay: 72.620 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 78.422 ms
Loss rate: 1.38%

Run 7: Report of Copa — Data Link

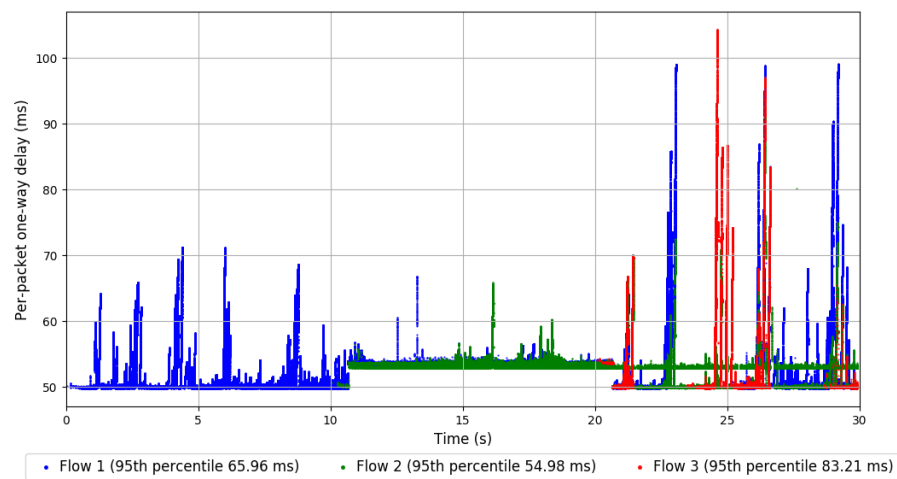
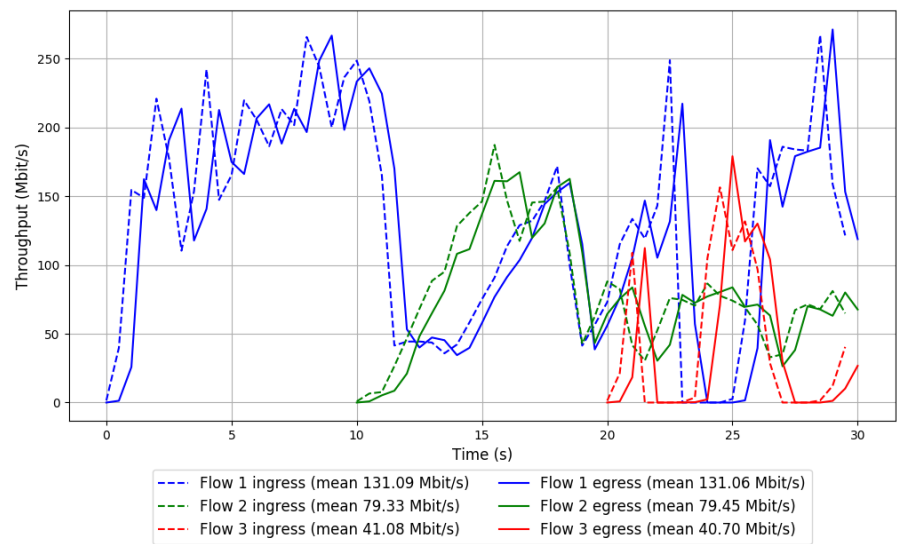


Run 8: Statistics of Copa

Start at: 2018-07-20 23:01:33
End at: 2018-07-20 23:02:03
Local clock offset: -0.231 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-21 00:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.30 Mbit/s
95th percentile per-packet one-way delay: 65.380 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 131.06 Mbit/s
95th percentile per-packet one-way delay: 65.963 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 54.980 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 83.214 ms
Loss rate: 1.96%

Run 8: Report of Copa — Data Link

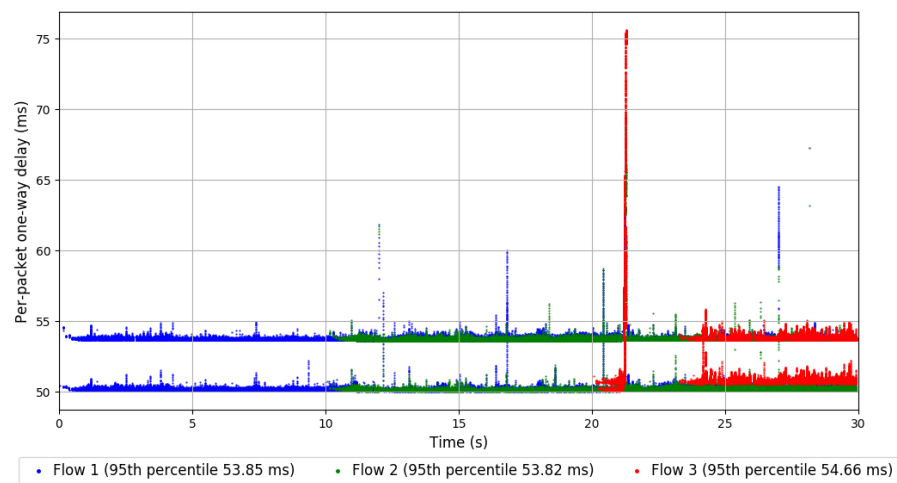
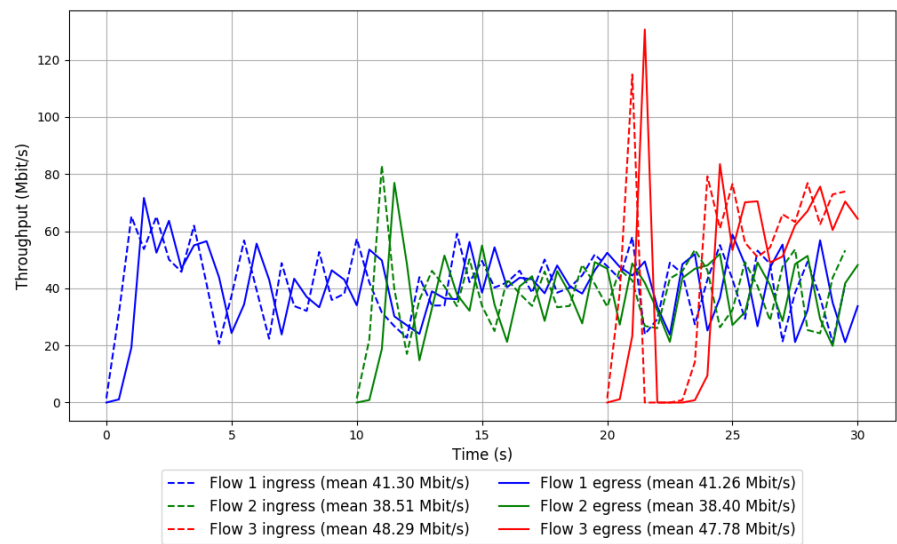


Run 9: Statistics of Copa

Start at: 2018-07-20 23:26:33
End at: 2018-07-20 23:27:03
Local clock offset: -0.249 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-21 00:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 53.879 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 53.846 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 53.818 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 54.659 ms
Loss rate: 2.12%

Run 9: Report of Copa — Data Link

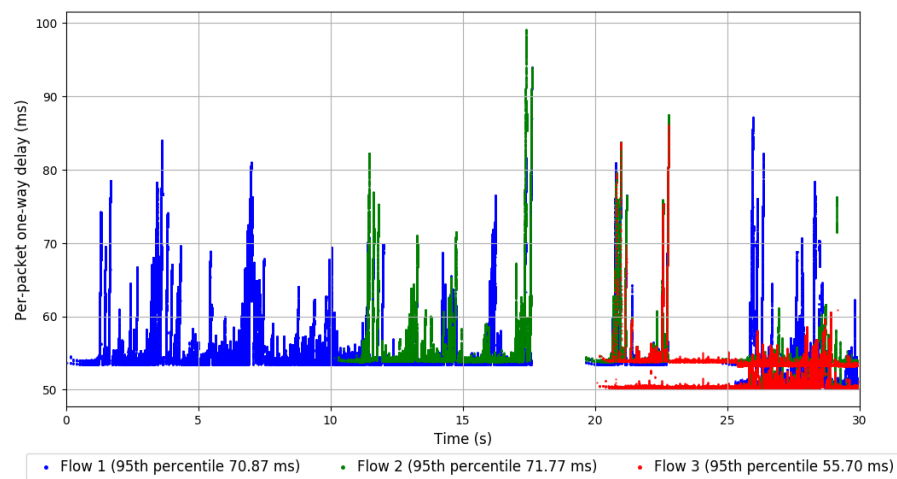
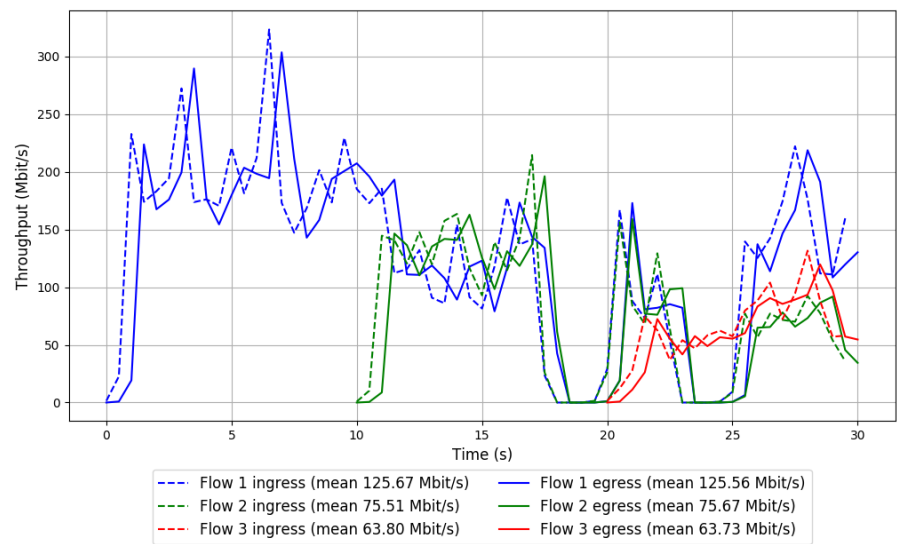


Run 10: Statistics of Copa

Start at: 2018-07-20 23:51:09
End at: 2018-07-20 23:51:39
Local clock offset: 0.125 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-21 00:50:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.68 Mbit/s
95th percentile per-packet one-way delay: 70.435 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 125.56 Mbit/s
95th percentile per-packet one-way delay: 70.866 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 71.768 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 55.703 ms
Loss rate: 0.94%

Run 10: Report of Copa — Data Link

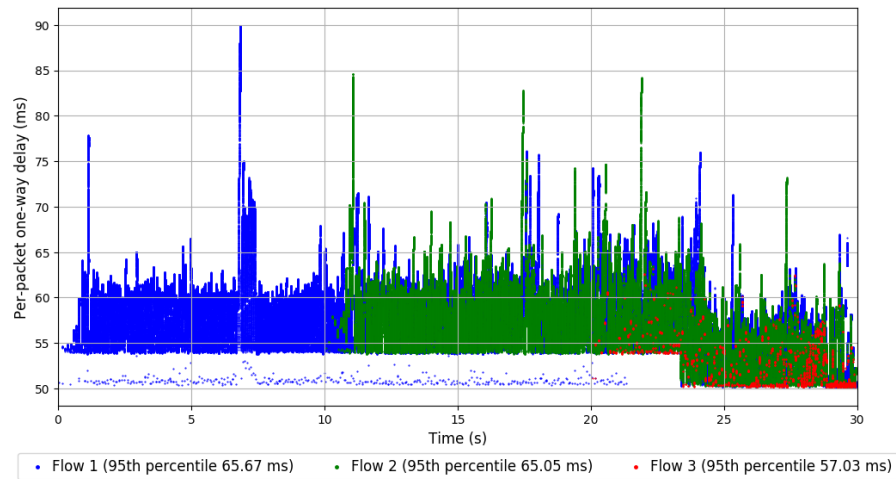
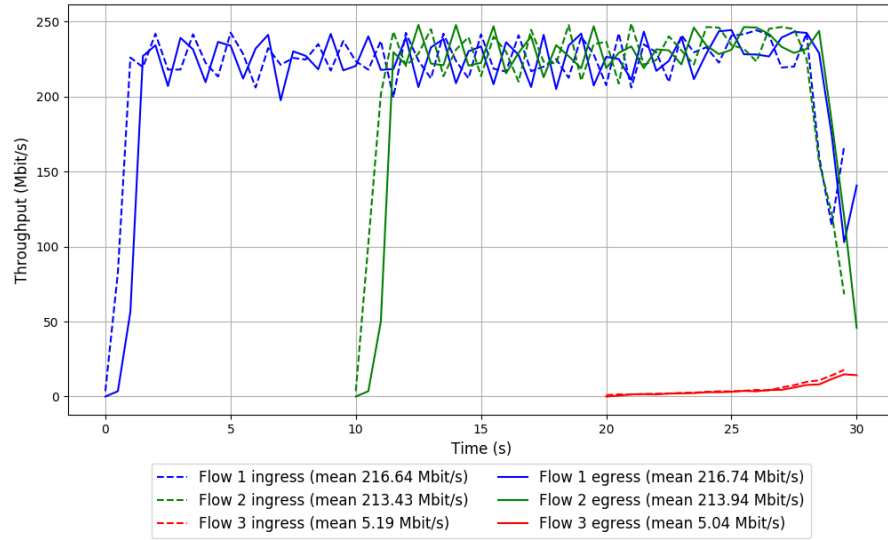


Run 1: Statistics of TCP Cubic

Start at: 2018-07-20 20:14:51
End at: 2018-07-20 20:15:21
Local clock offset: -0.091 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-21 00:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.59 Mbit/s
95th percentile per-packet one-way delay: 65.437 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 216.74 Mbit/s
95th percentile per-packet one-way delay: 65.675 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 213.94 Mbit/s
95th percentile per-packet one-way delay: 65.049 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 57.033 ms
Loss rate: 3.94%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-20 20:40:14

End at: 2018-07-20 20:40:44

Local clock offset: -0.146 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-21 00:51:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.89 Mbit/s

95th percentile per-packet one-way delay: 80.259 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 159.79 Mbit/s

95th percentile per-packet one-way delay: 74.412 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 209.14 Mbit/s

95th percentile per-packet one-way delay: 80.655 ms

Loss rate: 0.60%

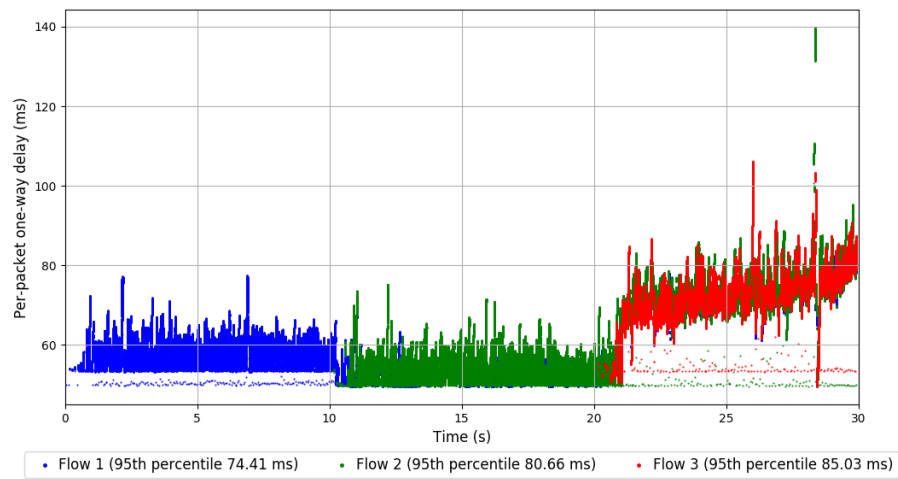
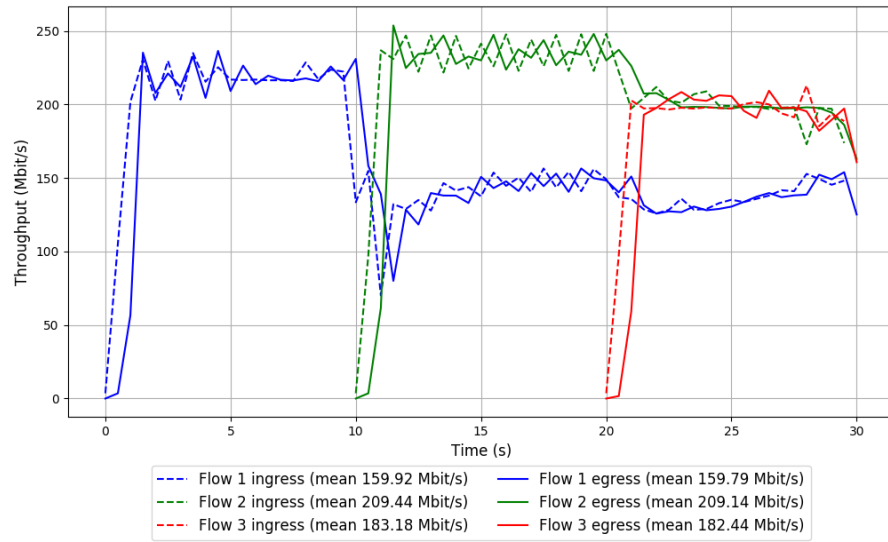
-- Flow 3:

Average throughput: 182.44 Mbit/s

95th percentile per-packet one-way delay: 85.032 ms

Loss rate: 1.44%

Run 2: Report of TCP Cubic — Data Link

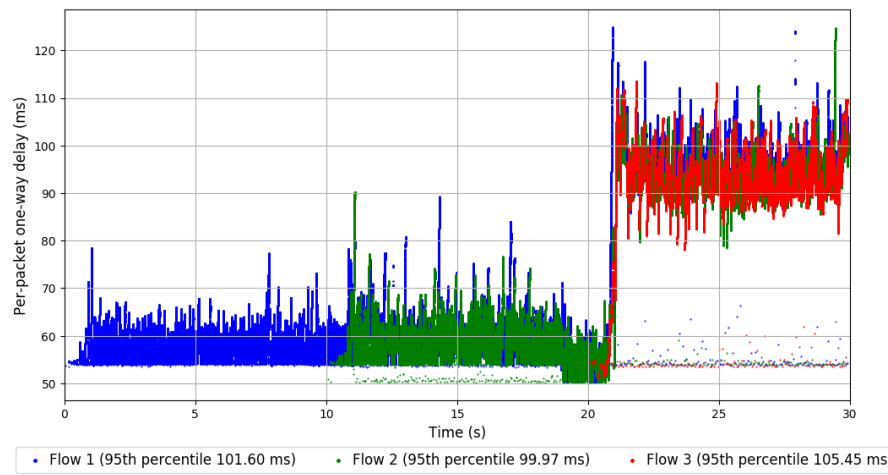
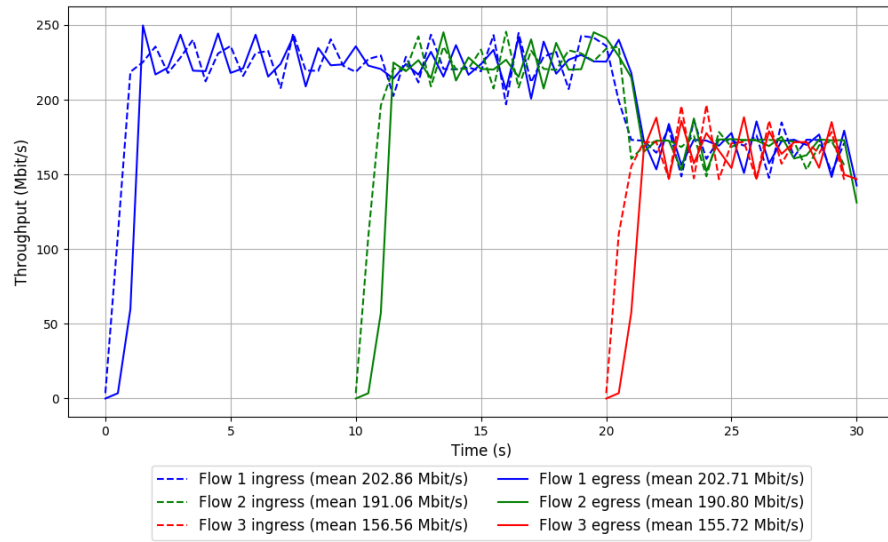


Run 3: Statistics of TCP Cubic

Start at: 2018-07-20 21:05:35
End at: 2018-07-20 21:06:05
Local clock offset: 0.075 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-21 00:53:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.77 Mbit/s
95th percentile per-packet one-way delay: 102.193 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 202.71 Mbit/s
95th percentile per-packet one-way delay: 101.603 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 190.80 Mbit/s
95th percentile per-packet one-way delay: 99.967 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 155.72 Mbit/s
95th percentile per-packet one-way delay: 105.451 ms
Loss rate: 1.57%

Run 3: Report of TCP Cubic — Data Link

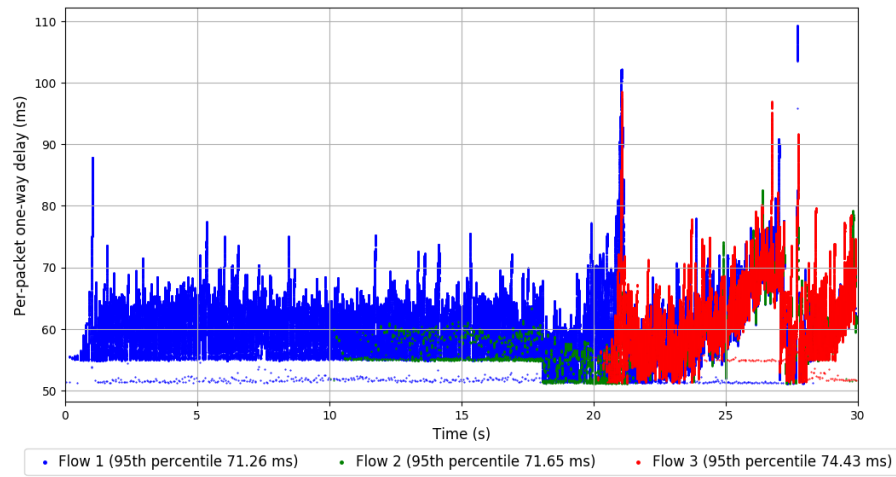
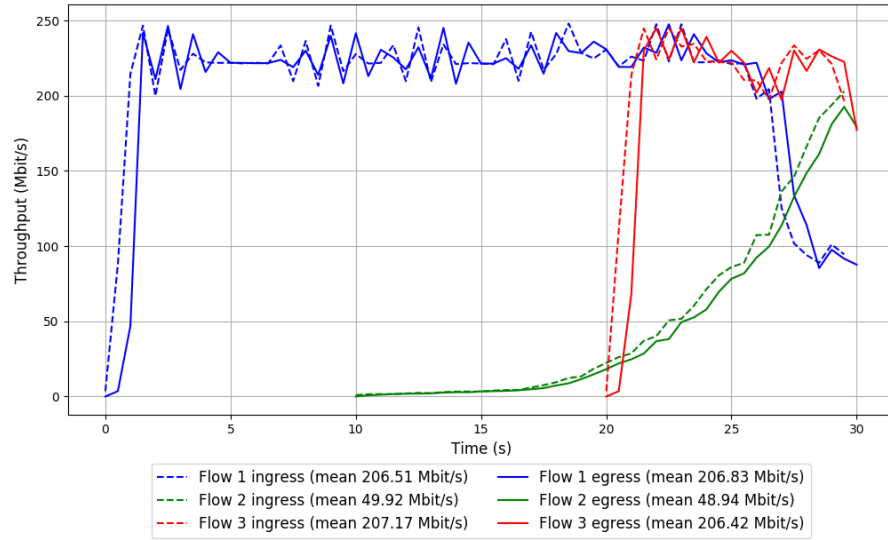


Run 4: Statistics of TCP Cubic

Start at: 2018-07-20 21:30:56
End at: 2018-07-20 21:31:26
Local clock offset: -0.152 ms
Remote clock offset: -1.422 ms

Below is generated by plot.py at 2018-07-21 00:53:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.52 Mbit/s
95th percentile per-packet one-way delay: 72.499 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 206.83 Mbit/s
95th percentile per-packet one-way delay: 71.257 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 71.652 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 206.42 Mbit/s
95th percentile per-packet one-way delay: 74.430 ms
Loss rate: 1.20%

Run 4: Report of TCP Cubic — Data Link

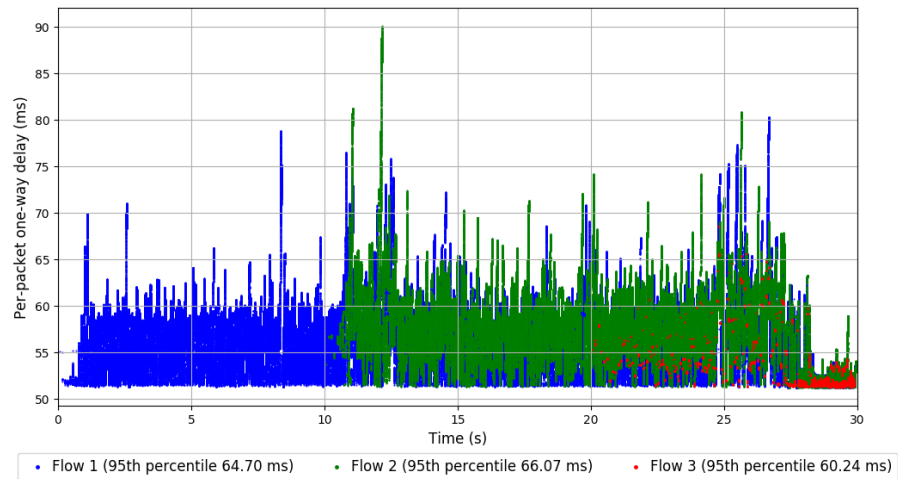
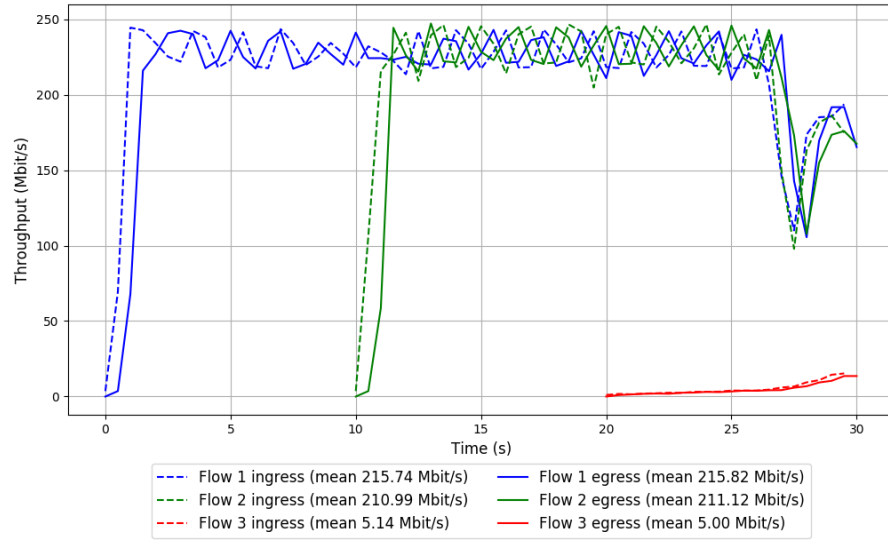


Run 5: Statistics of TCP Cubic

Start at: 2018-07-20 21:56:03
End at: 2018-07-20 21:56:34
Local clock offset: -0.071 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-07-21 00:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.92 Mbit/s
95th percentile per-packet one-way delay: 65.489 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 215.82 Mbit/s
95th percentile per-packet one-way delay: 64.698 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 211.12 Mbit/s
95th percentile per-packet one-way delay: 66.071 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 60.237 ms
Loss rate: 3.74%

Run 5: Report of TCP Cubic — Data Link

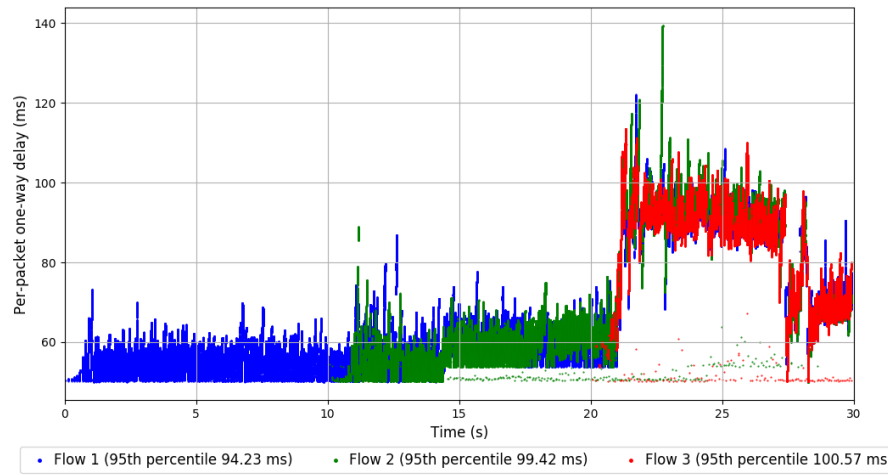
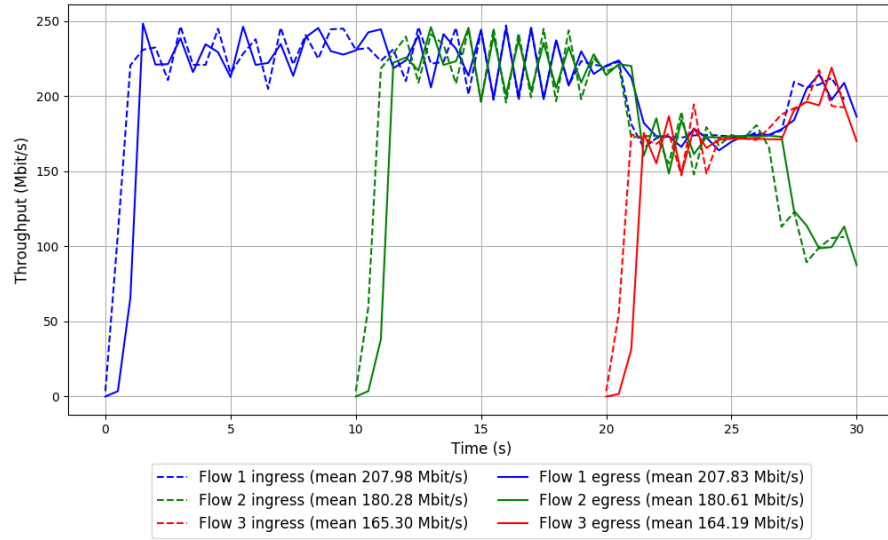


Run 6: Statistics of TCP Cubic

Start at: 2018-07-20 22:20:40
End at: 2018-07-20 22:21:10
Local clock offset: -0.222 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-21 00:54:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.05 Mbit/s
95th percentile per-packet one-way delay: 97.545 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 94.233 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 180.61 Mbit/s
95th percentile per-packet one-way delay: 99.421 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 164.19 Mbit/s
95th percentile per-packet one-way delay: 100.567 ms
Loss rate: 1.44%

Run 6: Report of TCP Cubic — Data Link

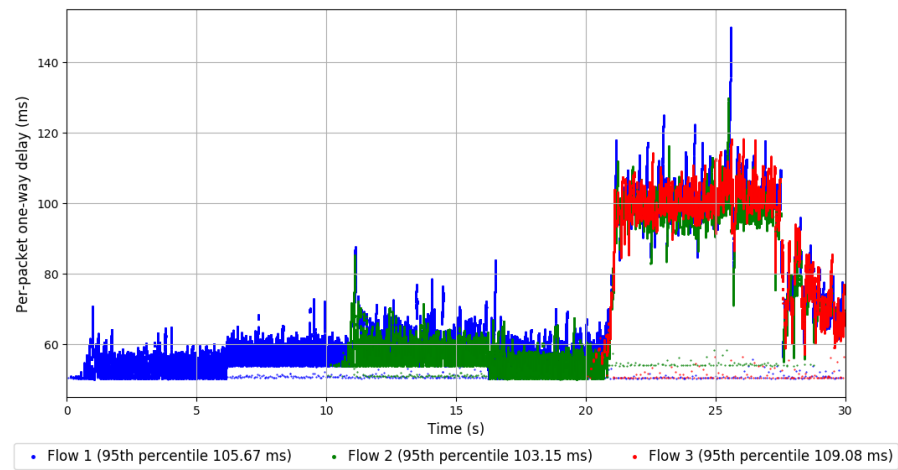
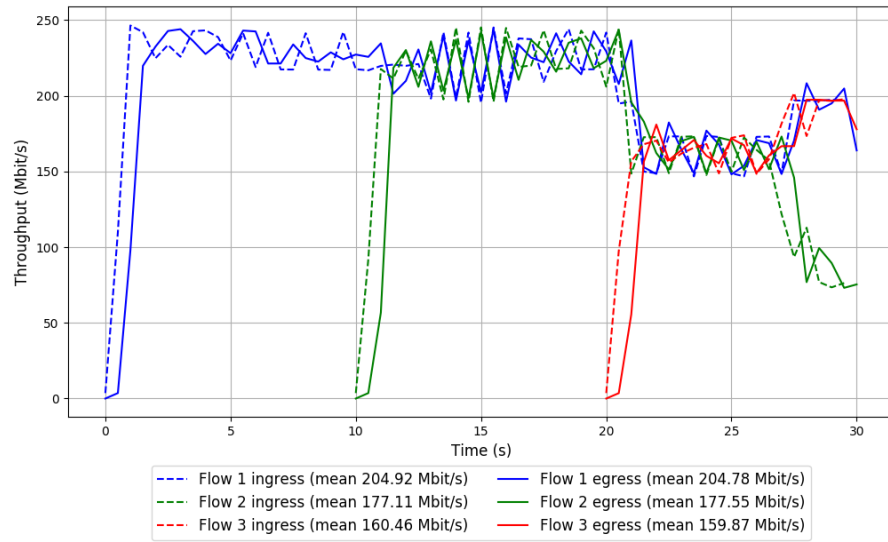


Run 7: Statistics of TCP Cubic

Start at: 2018-07-20 22:45:38
End at: 2018-07-20 22:46:08
Local clock offset: -0.239 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-21 00:57:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.19 Mbit/s
95th percentile per-packet one-way delay: 106.097 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 204.78 Mbit/s
95th percentile per-packet one-way delay: 105.669 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 177.55 Mbit/s
95th percentile per-packet one-way delay: 103.150 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 159.87 Mbit/s
95th percentile per-packet one-way delay: 109.075 ms
Loss rate: 1.39%

Run 7: Report of TCP Cubic — Data Link

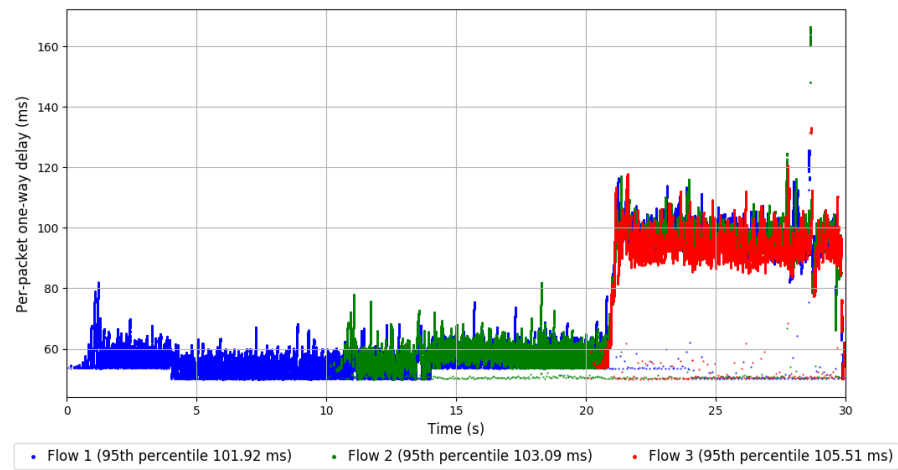
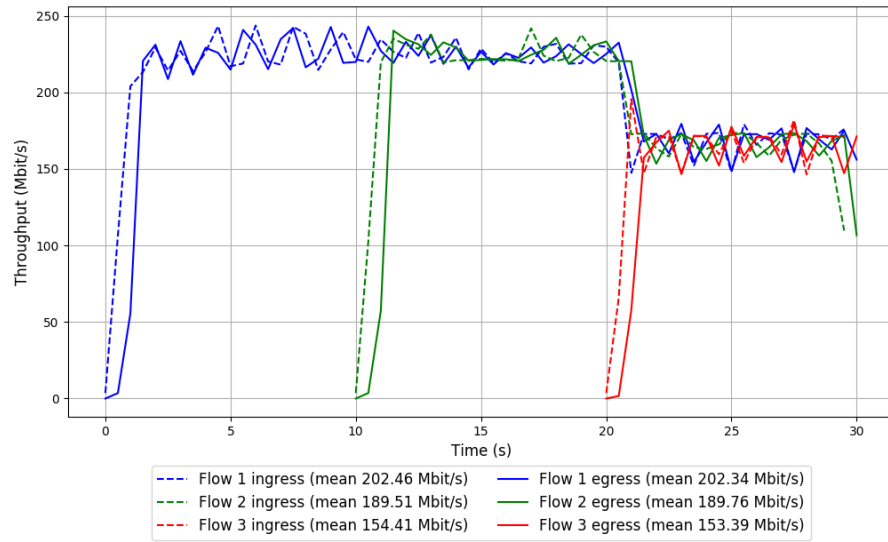


Run 8: Statistics of TCP Cubic

Start at: 2018-07-20 23:10:40
End at: 2018-07-20 23:11:10
Local clock offset: -0.311 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-21 00:57:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.94 Mbit/s
95th percentile per-packet one-way delay: 102.894 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 202.34 Mbit/s
95th percentile per-packet one-way delay: 101.917 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 189.76 Mbit/s
95th percentile per-packet one-way delay: 103.095 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 153.39 Mbit/s
95th percentile per-packet one-way delay: 105.511 ms
Loss rate: 1.58%

Run 8: Report of TCP Cubic — Data Link

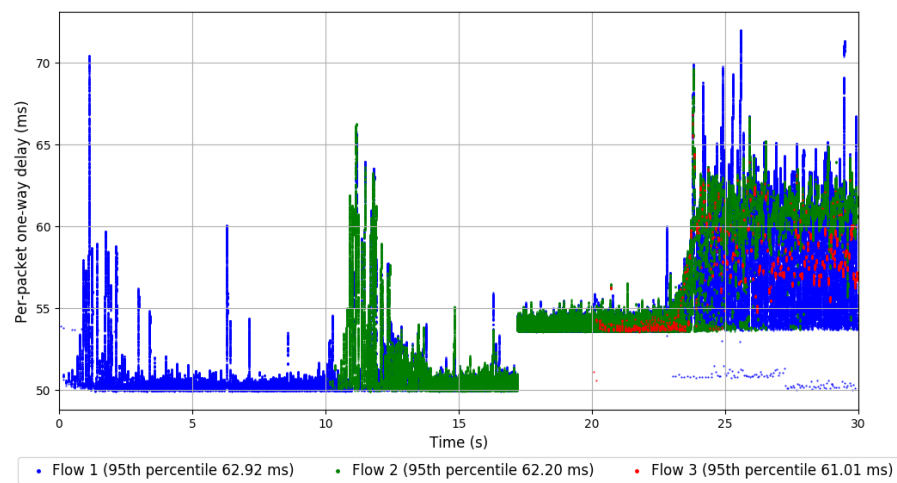
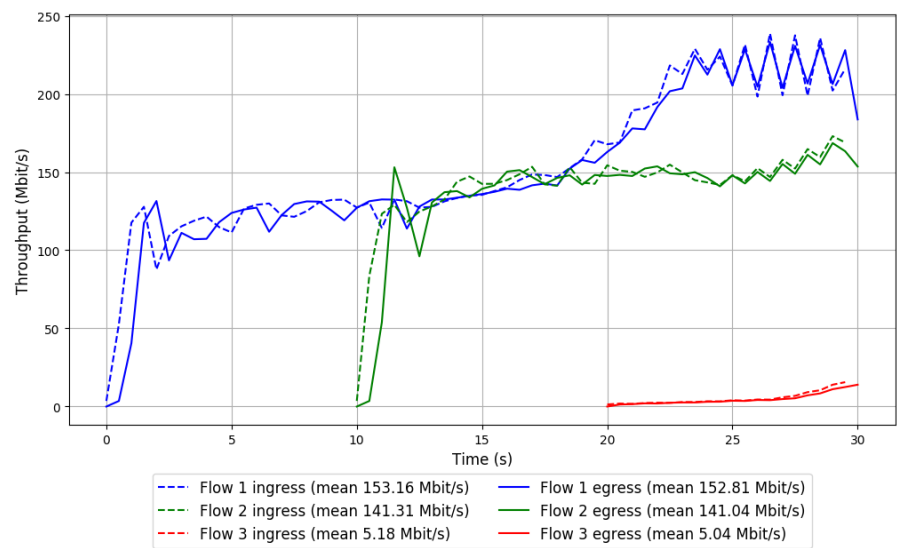


Run 9: Statistics of TCP Cubic

Start at: 2018-07-20 23:35:17
End at: 2018-07-20 23:35:47
Local clock offset: -0.135 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-21 00:57:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.25 Mbit/s
95th percentile per-packet one-way delay: 62.564 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 152.81 Mbit/s
95th percentile per-packet one-way delay: 62.925 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 141.04 Mbit/s
95th percentile per-packet one-way delay: 62.195 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 61.005 ms
Loss rate: 3.79%

Run 9: Report of TCP Cubic — Data Link

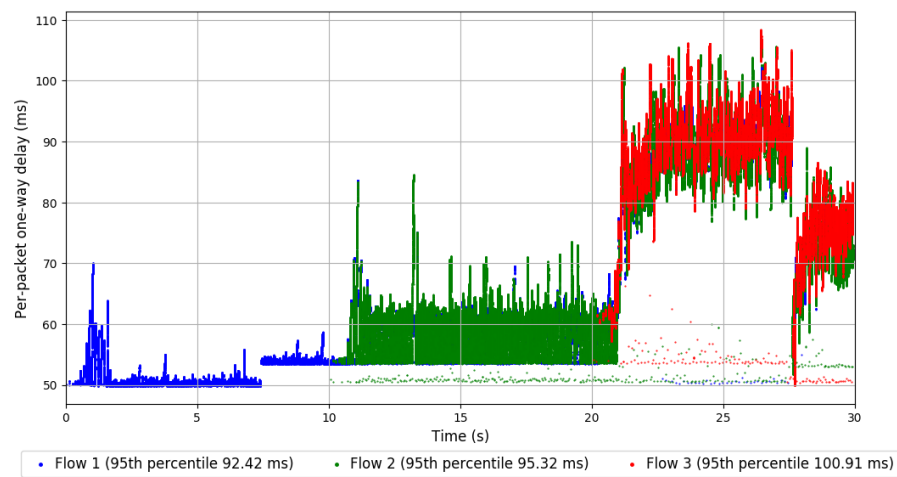
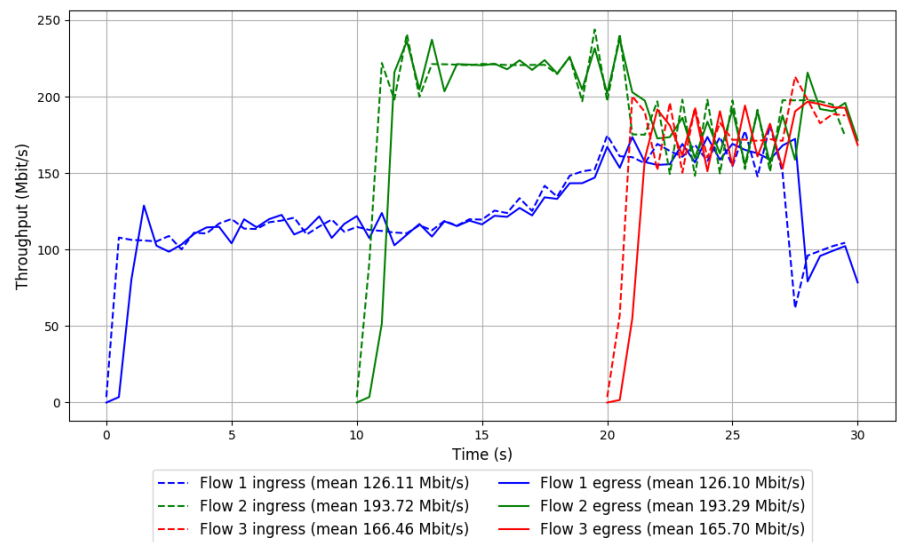


Run 10: Statistics of TCP Cubic

Start at: 2018-07-21 00:00:17
End at: 2018-07-21 00:00:47
Local clock offset: -0.137 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-21 00:57:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.23 Mbit/s
95th percentile per-packet one-way delay: 96.236 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 126.10 Mbit/s
95th percentile per-packet one-way delay: 92.419 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 193.29 Mbit/s
95th percentile per-packet one-way delay: 95.319 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 165.70 Mbit/s
95th percentile per-packet one-way delay: 100.906 ms
Loss rate: 1.46%

Run 10: Report of TCP Cubic — Data Link

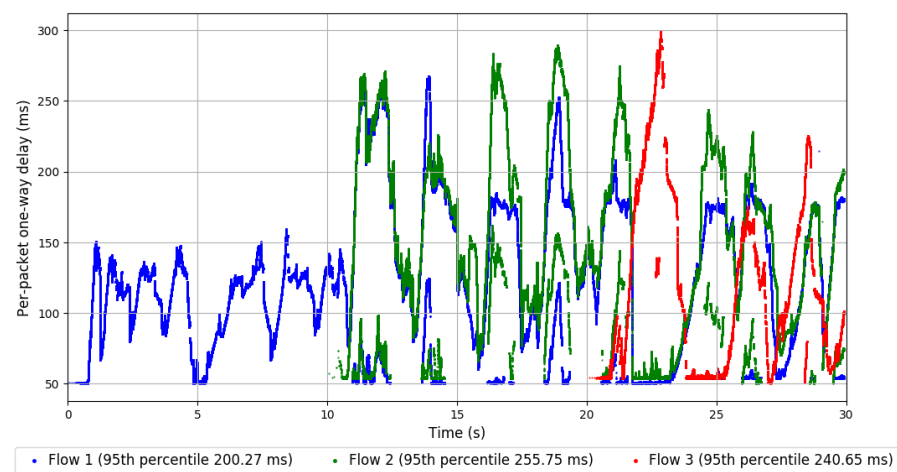
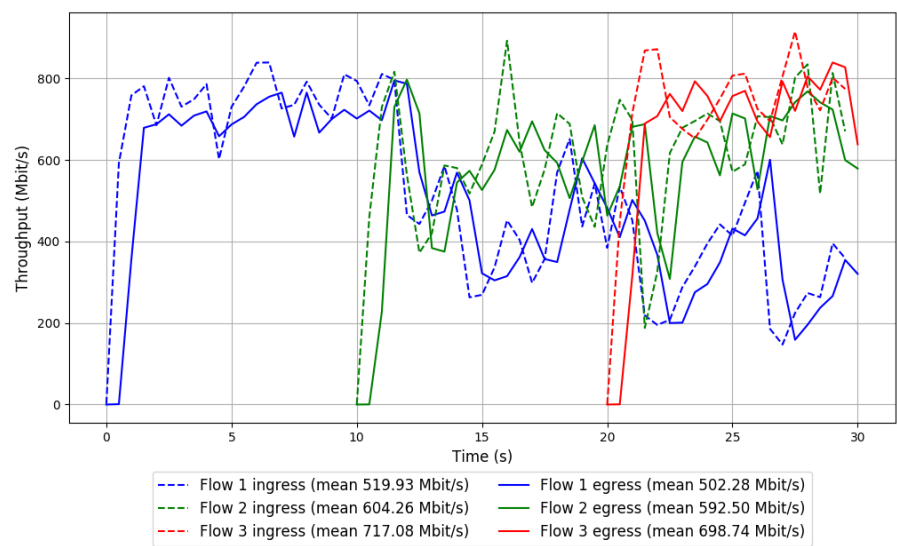


Run 1: Statistics of FillP

Start at: 2018-07-20 20:16:18
End at: 2018-07-20 20:16:48
Local clock offset: -0.096 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-21 01:15:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1125.43 Mbit/s
95th percentile per-packet one-way delay: 242.476 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 502.28 Mbit/s
95th percentile per-packet one-way delay: 200.266 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 592.50 Mbit/s
95th percentile per-packet one-way delay: 255.752 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 698.74 Mbit/s
95th percentile per-packet one-way delay: 240.651 ms
Loss rate: 3.60%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-20 20:41:42

End at: 2018-07-20 20:42:12

Local clock offset: 0.051 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-21 01:23:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1317.30 Mbit/s

95th percentile per-packet one-way delay: 260.507 ms

Loss rate: 5.96%

-- Flow 1:

Average throughput: 680.72 Mbit/s

95th percentile per-packet one-way delay: 262.804 ms

Loss rate: 6.56%

-- Flow 2:

Average throughput: 657.03 Mbit/s

95th percentile per-packet one-way delay: 274.432 ms

Loss rate: 5.17%

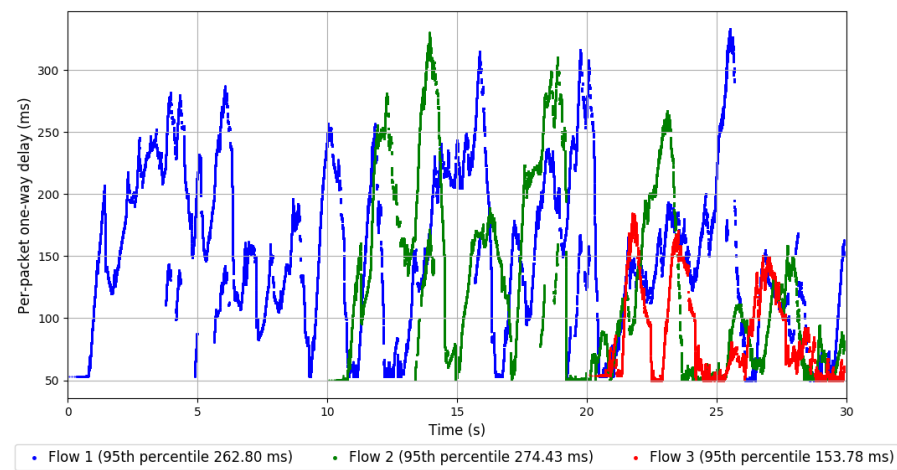
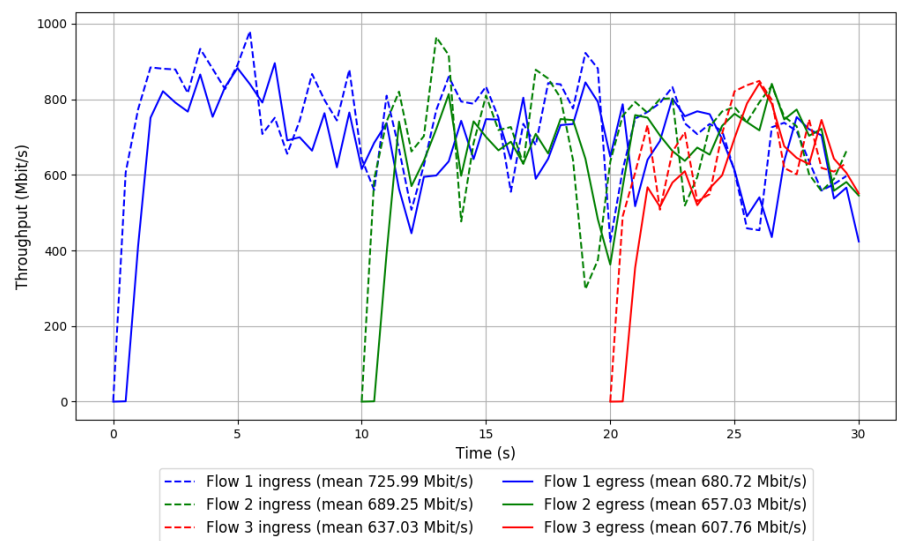
-- Flow 3:

Average throughput: 607.76 Mbit/s

95th percentile per-packet one-way delay: 153.780 ms

Loss rate: 5.62%

Run 2: Report of FillP — Data Link

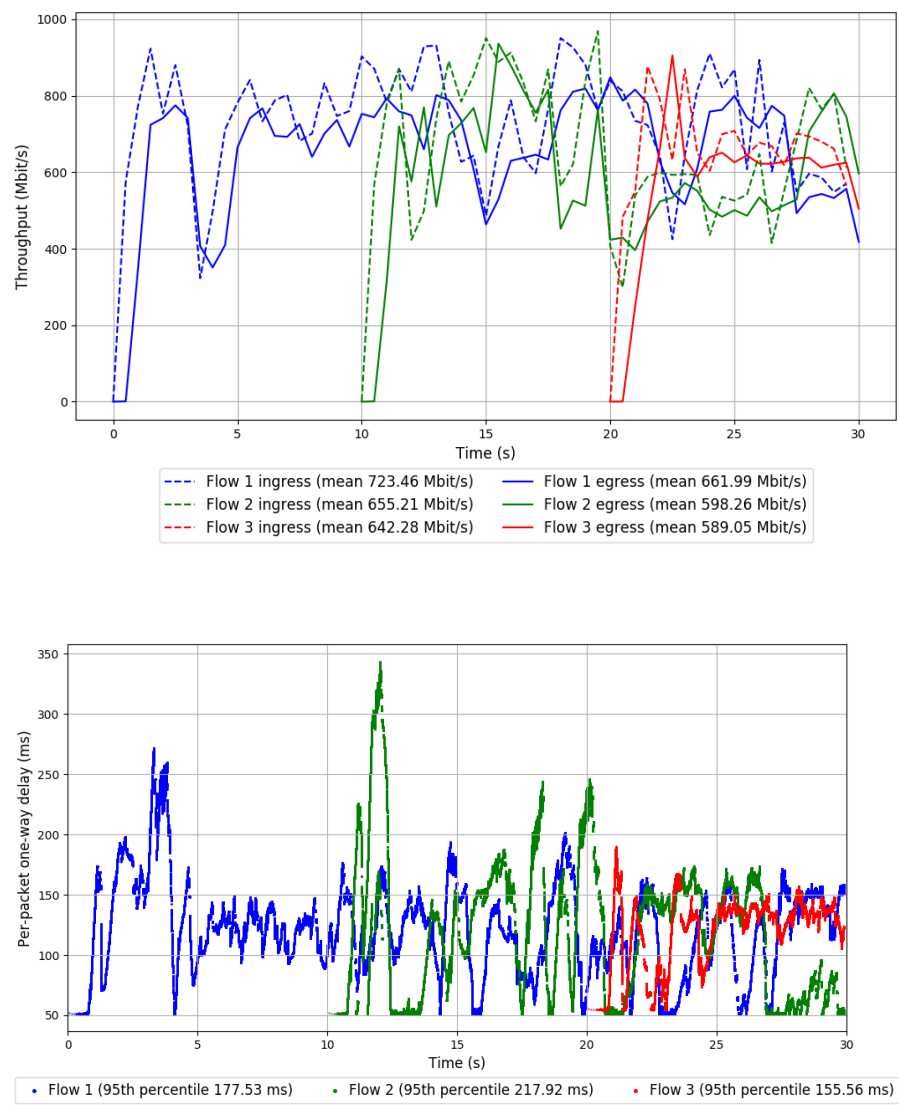


Run 3: Statistics of FillP

Start at: 2018-07-20 21:07:05
End at: 2018-07-20 21:07:35
Local clock offset: 0.072 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2018-07-21 01:23:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1253.86 Mbit/s
95th percentile per-packet one-way delay: 182.034 ms
Loss rate: 8.99%
-- Flow 1:
Average throughput: 661.99 Mbit/s
95th percentile per-packet one-way delay: 177.533 ms
Loss rate: 8.81%
-- Flow 2:
Average throughput: 598.26 Mbit/s
95th percentile per-packet one-way delay: 217.924 ms
Loss rate: 9.16%
-- Flow 3:
Average throughput: 589.05 Mbit/s
95th percentile per-packet one-way delay: 155.560 ms
Loss rate: 9.26%

Run 3: Report of FillP — Data Link

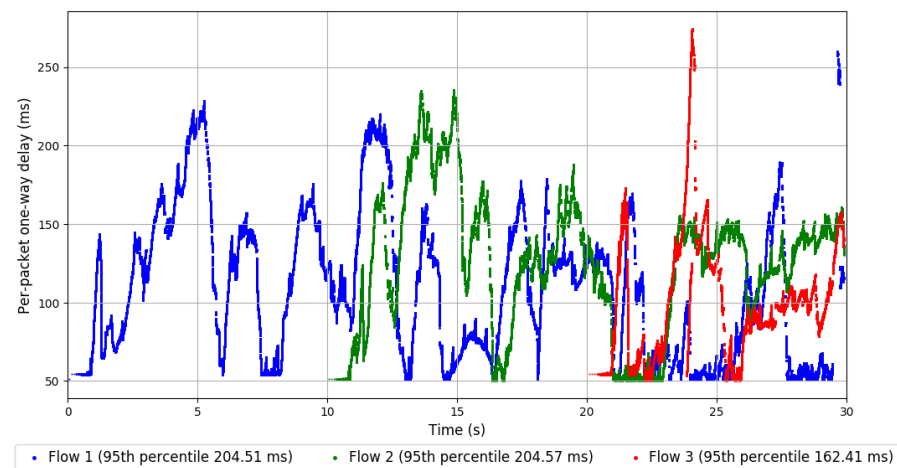
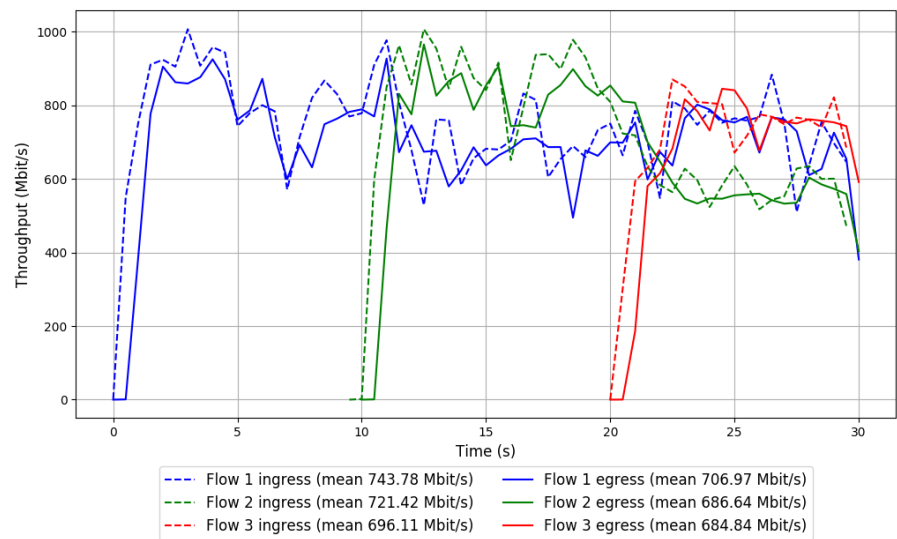


Run 4: Statistics of FillP

Start at: 2018-07-20 21:32:22
End at: 2018-07-20 21:32:52
Local clock offset: 0.17 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-21 01:27:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 1388.66 Mbit/s
95th percentile per-packet one-way delay: 202.990 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 706.97 Mbit/s
95th percentile per-packet one-way delay: 204.510 ms
Loss rate: 5.27%
-- Flow 2:
Average throughput: 686.64 Mbit/s
95th percentile per-packet one-way delay: 204.574 ms
Loss rate: 5.31%
-- Flow 3:
Average throughput: 684.84 Mbit/s
95th percentile per-packet one-way delay: 162.414 ms
Loss rate: 2.66%

Run 4: Report of FillP — Data Link

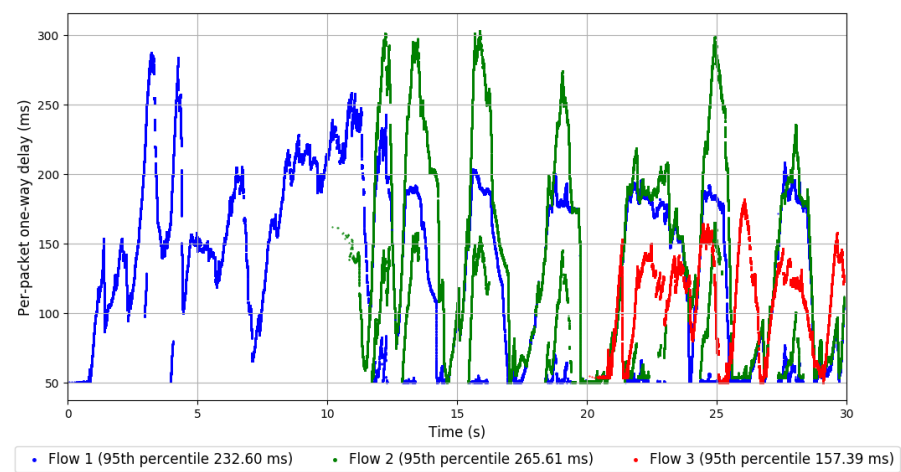
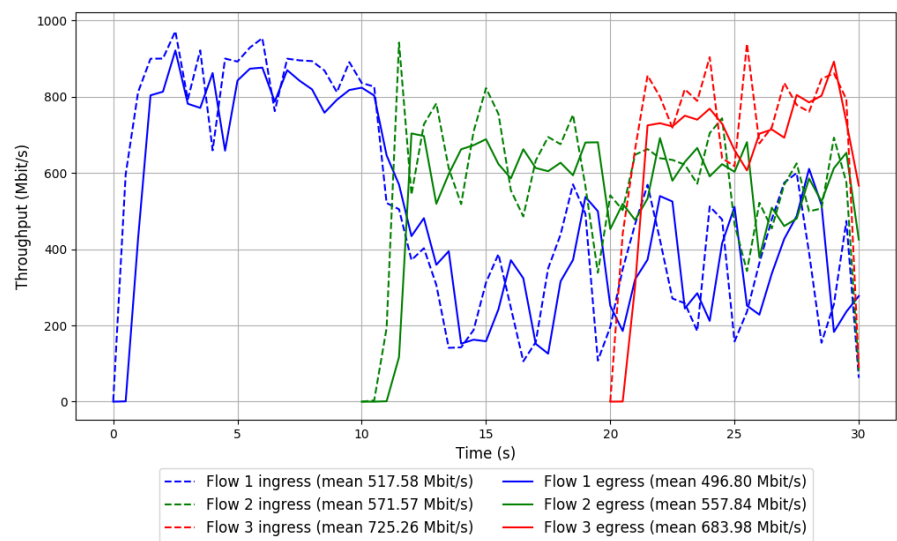


Run 5: Statistics of FillP

Start at: 2018-07-20 21:57:31
End at: 2018-07-20 21:58:01
Local clock offset: -0.066 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-21 01:27:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 1090.32 Mbit/s
95th percentile per-packet one-way delay: 240.956 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 496.80 Mbit/s
95th percentile per-packet one-way delay: 232.604 ms
Loss rate: 4.68%
-- Flow 2:
Average throughput: 557.84 Mbit/s
95th percentile per-packet one-way delay: 265.607 ms
Loss rate: 3.95%
-- Flow 3:
Average throughput: 683.98 Mbit/s
95th percentile per-packet one-way delay: 157.392 ms
Loss rate: 7.68%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-20 22:22:09

End at: 2018-07-20 22:22:39

Local clock offset: -0.197 ms

Remote clock offset: -1.54 ms

Below is generated by plot.py at 2018-07-21 01:28:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 1289.20 Mbit/s

95th percentile per-packet one-way delay: 229.895 ms

Loss rate: 6.45%

-- Flow 1:

Average throughput: 669.88 Mbit/s

95th percentile per-packet one-way delay: 241.541 ms

Loss rate: 6.19%

-- Flow 2:

Average throughput: 692.76 Mbit/s

95th percentile per-packet one-way delay: 231.747 ms

Loss rate: 5.99%

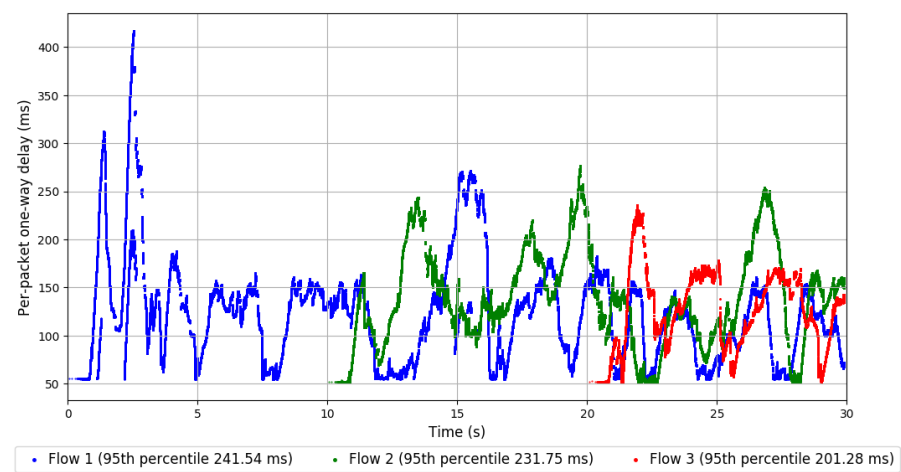
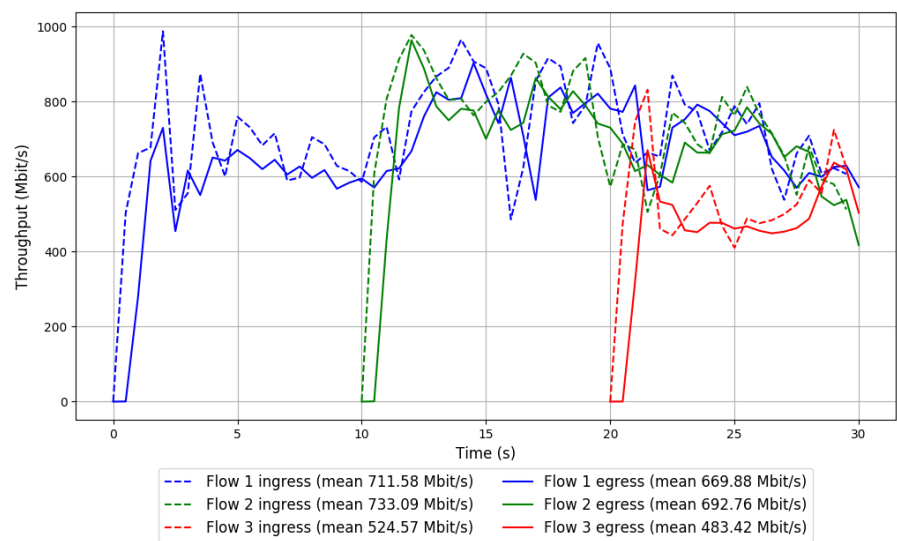
-- Flow 3:

Average throughput: 483.42 Mbit/s

95th percentile per-packet one-way delay: 201.283 ms

Loss rate: 8.80%

Run 6: Report of FillP — Data Link

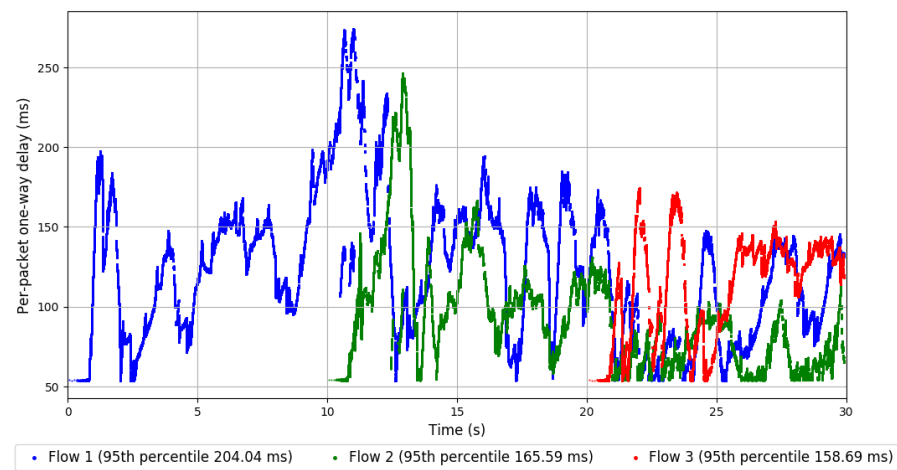
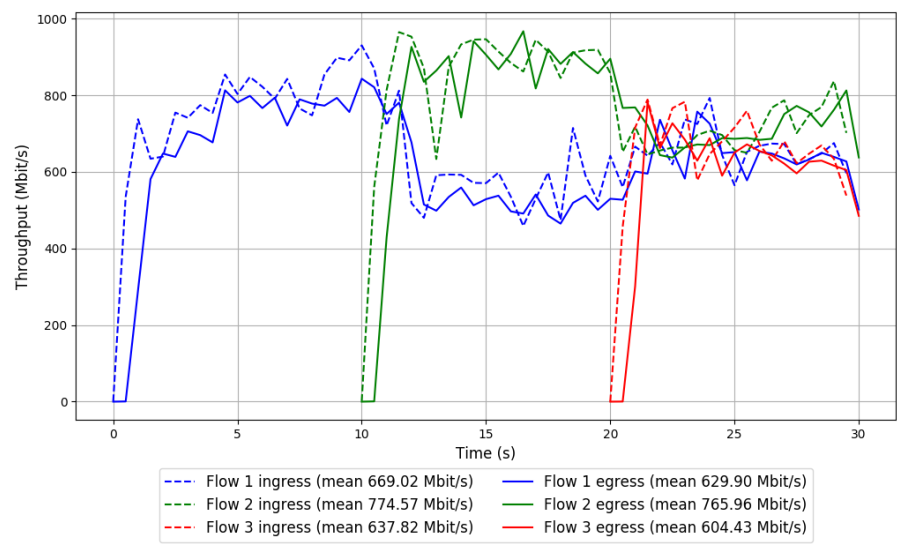


Run 7: Statistics of FillP

Start at: 2018-07-20 22:47:07
End at: 2018-07-20 22:47:37
Local clock offset: -0.279 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-21 01:29:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1337.71 Mbit/s
95th percentile per-packet one-way delay: 191.728 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 629.90 Mbit/s
95th percentile per-packet one-way delay: 204.040 ms
Loss rate: 6.18%
-- Flow 2:
Average throughput: 765.96 Mbit/s
95th percentile per-packet one-way delay: 165.592 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 604.43 Mbit/s
95th percentile per-packet one-way delay: 158.688 ms
Loss rate: 6.24%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-20 23:12:10

End at: 2018-07-20 23:12:40

Local clock offset: -0.28 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-21 01:30:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1412.44 Mbit/s

95th percentile per-packet one-way delay: 213.810 ms

Loss rate: 4.20%

-- Flow 1:

Average throughput: 780.22 Mbit/s

95th percentile per-packet one-way delay: 219.247 ms

Loss rate: 2.18%

-- Flow 2:

Average throughput: 651.47 Mbit/s

95th percentile per-packet one-way delay: 203.597 ms

Loss rate: 5.74%

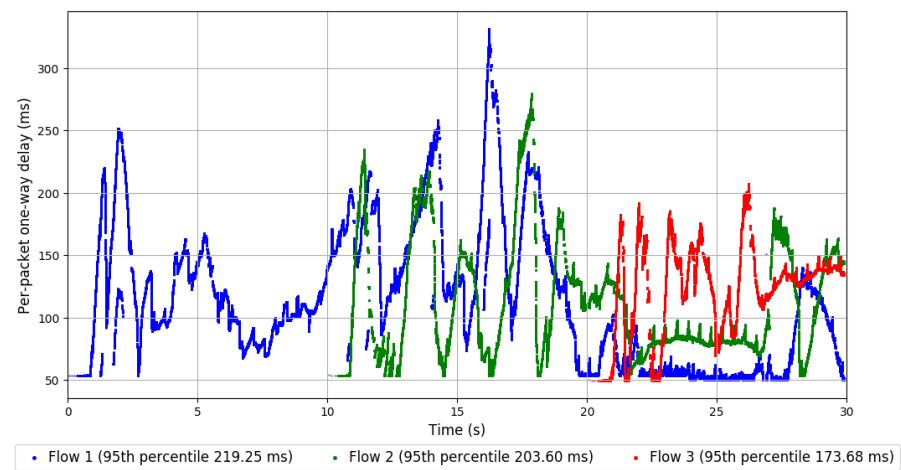
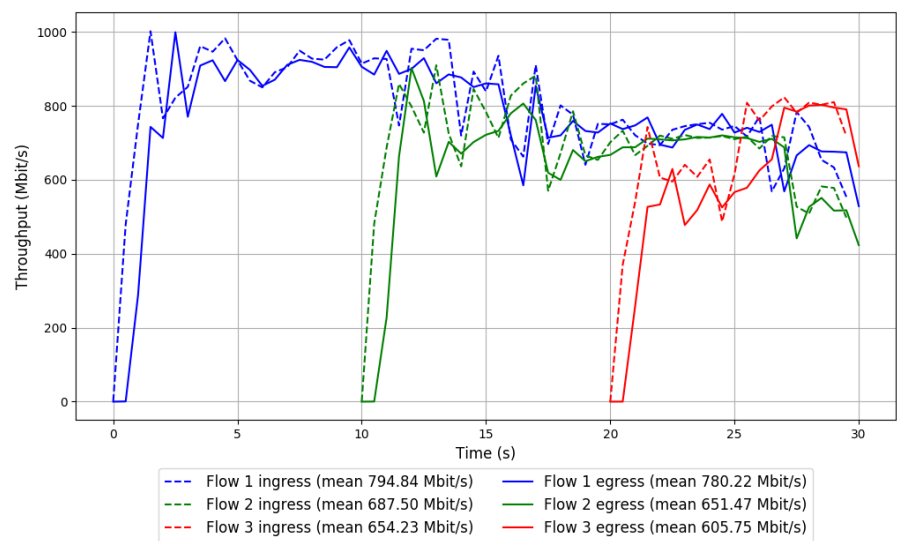
-- Flow 3:

Average throughput: 605.75 Mbit/s

95th percentile per-packet one-way delay: 173.675 ms

Loss rate: 8.36%

Run 8: Report of FillP — Data Link

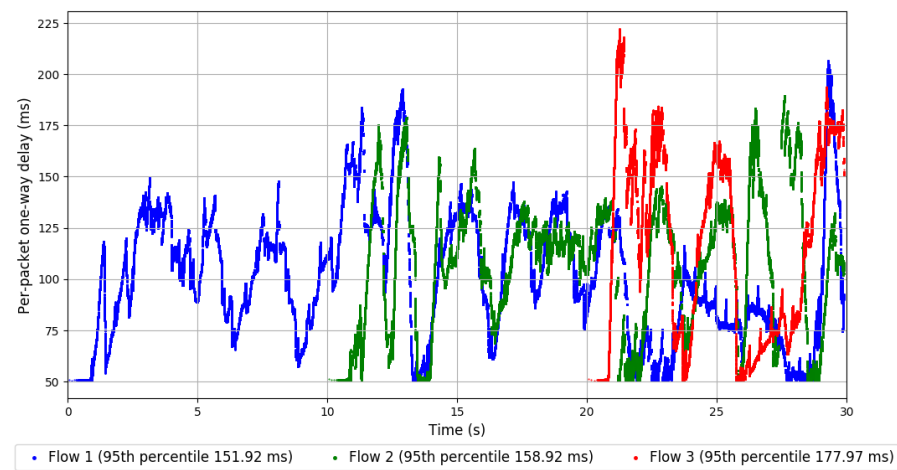
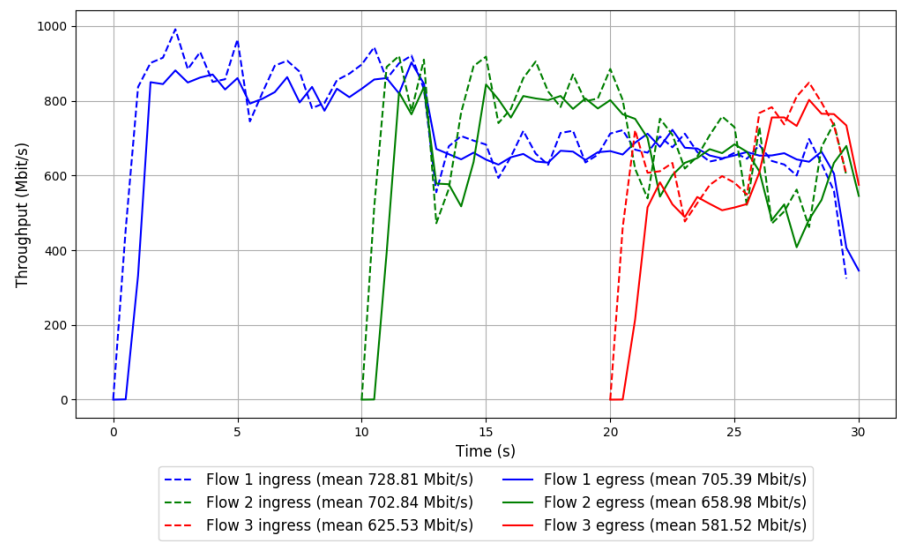


Run 9: Statistics of FillP

Start at: 2018-07-20 23:36:38
End at: 2018-07-20 23:37:08
Local clock offset: -0.059 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-21 01:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 1334.87 Mbit/s
95th percentile per-packet one-way delay: 165.477 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 705.39 Mbit/s
95th percentile per-packet one-way delay: 151.924 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 658.98 Mbit/s
95th percentile per-packet one-way delay: 158.923 ms
Loss rate: 6.72%
-- Flow 3:
Average throughput: 581.52 Mbit/s
95th percentile per-packet one-way delay: 177.975 ms
Loss rate: 7.99%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-21 00:01:43

End at: 2018-07-21 00:02:13

Local clock offset: -0.05 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-21 01:51:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 1268.82 Mbit/s

95th percentile per-packet one-way delay: 202.213 ms

Loss rate: 5.77%

-- Flow 1:

Average throughput: 676.36 Mbit/s

95th percentile per-packet one-way delay: 225.981 ms

Loss rate: 5.68%

-- Flow 2:

Average throughput: 566.72 Mbit/s

95th percentile per-packet one-way delay: 195.251 ms

Loss rate: 6.95%

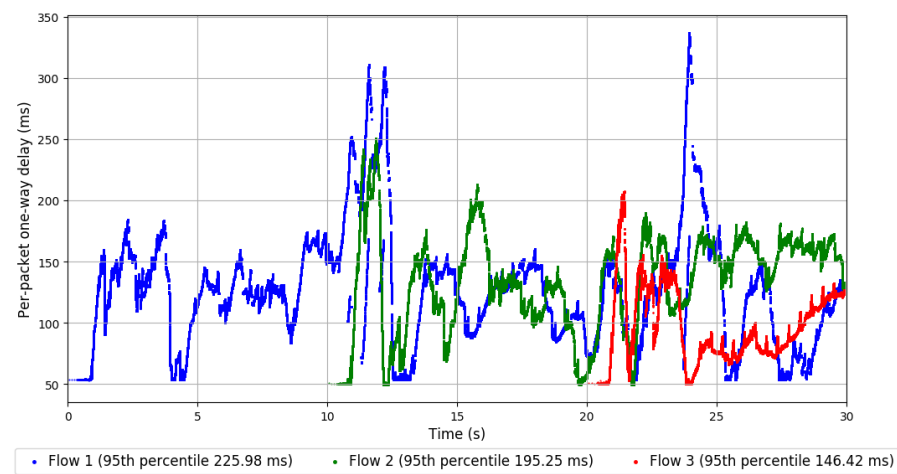
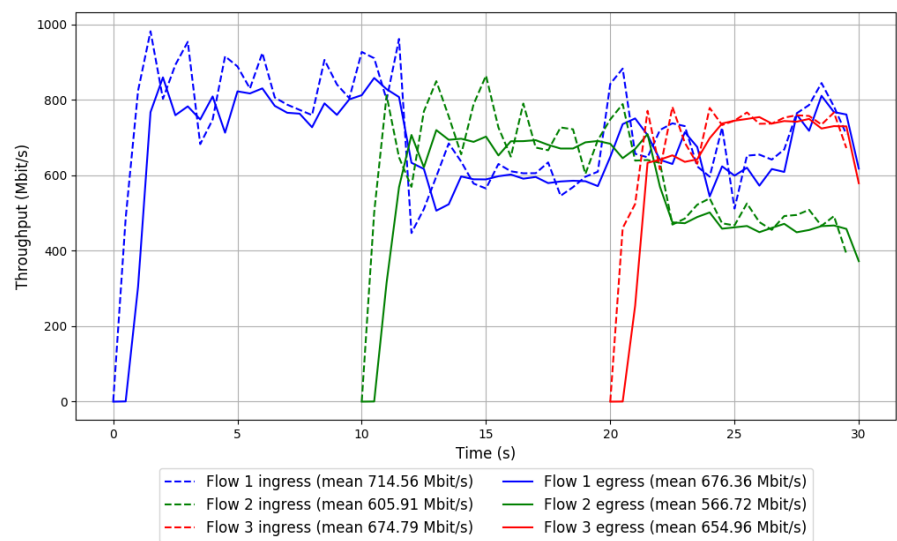
-- Flow 3:

Average throughput: 654.96 Mbit/s

95th percentile per-packet one-way delay: 146.424 ms

Loss rate: 3.94%

Run 10: Report of FillP — Data Link

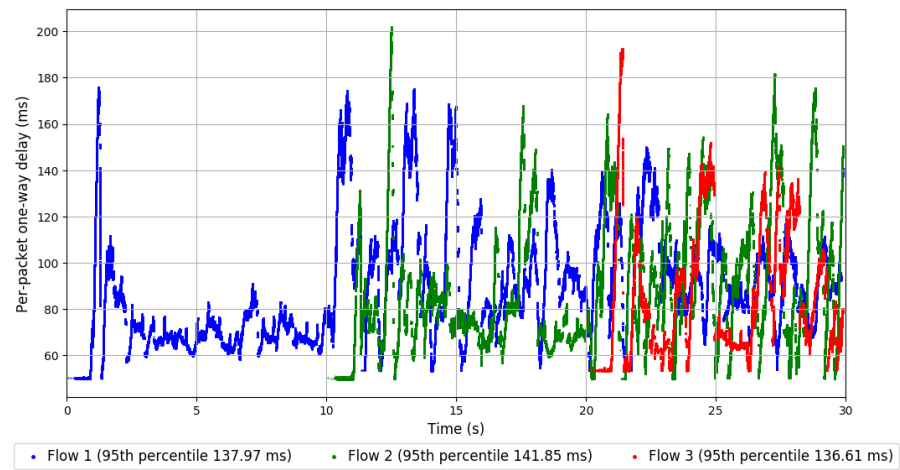
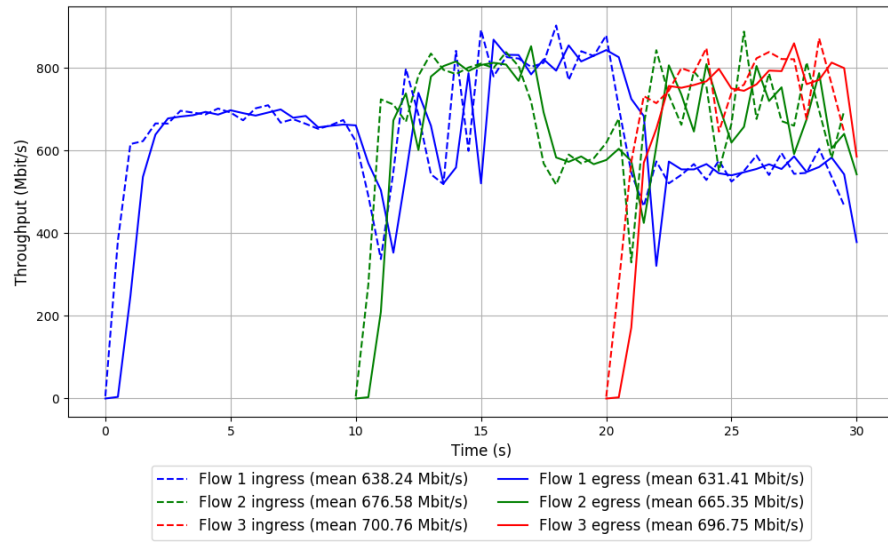


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-20 20:12:49
End at: 2018-07-20 20:13:19
Local clock offset: -0.189 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-21 01:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1302.36 Mbit/s
95th percentile per-packet one-way delay: 139.160 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 631.41 Mbit/s
95th percentile per-packet one-way delay: 137.968 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 665.35 Mbit/s
95th percentile per-packet one-way delay: 141.851 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 696.75 Mbit/s
95th percentile per-packet one-way delay: 136.607 ms
Loss rate: 1.61%

Run 1: Report of FillP-Sheep — Data Link

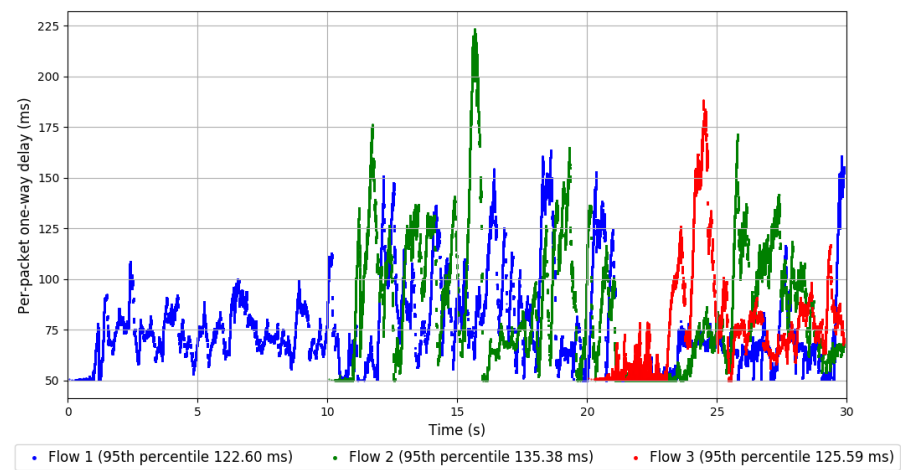
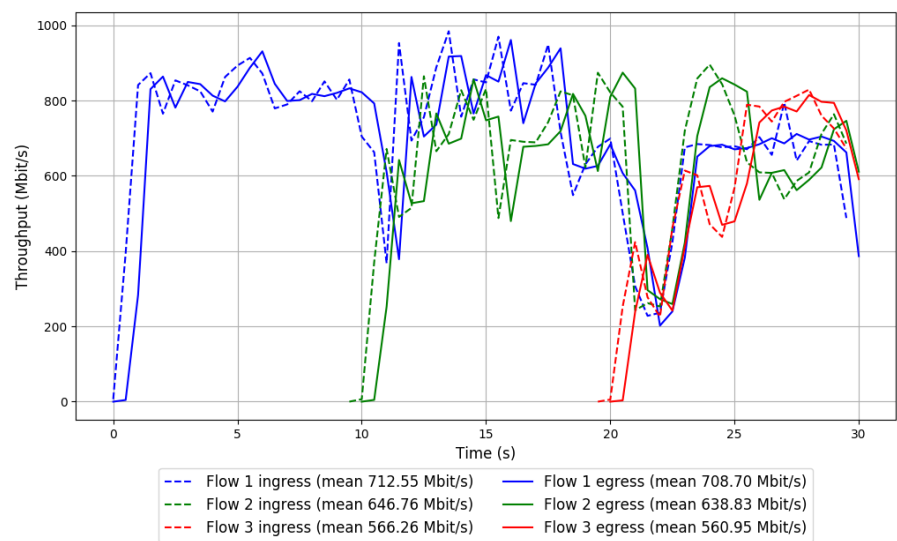


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-20 20:38:10
End at: 2018-07-20 20:38:40
Local clock offset: -0.092 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-21 01:56:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1318.37 Mbit/s
95th percentile per-packet one-way delay: 129.564 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 708.70 Mbit/s
95th percentile per-packet one-way delay: 122.597 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 638.83 Mbit/s
95th percentile per-packet one-way delay: 135.380 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 560.95 Mbit/s
95th percentile per-packet one-way delay: 125.593 ms
Loss rate: 1.96%

Run 2: Report of FillP-Sheep — Data Link

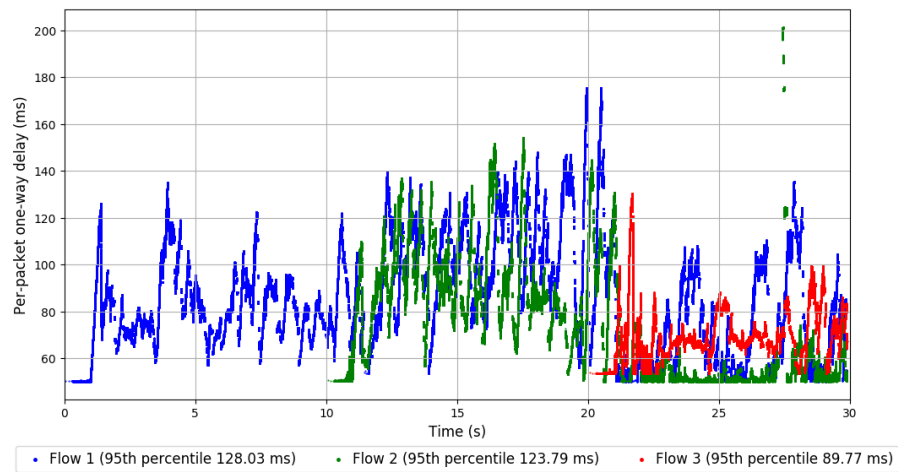
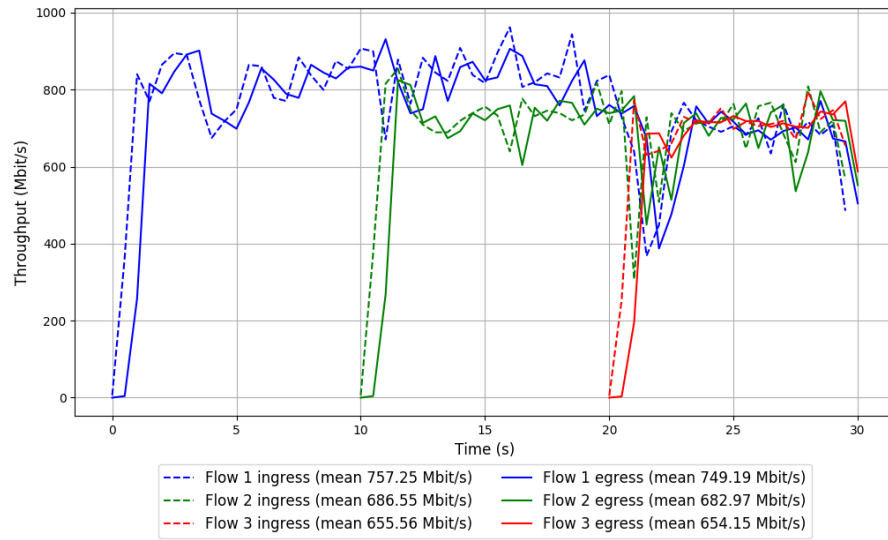


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-20 21:03:25
End at: 2018-07-20 21:03:55
Local clock offset: 0.171 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-21 02:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1418.34 Mbit/s
95th percentile per-packet one-way delay: 124.545 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 749.19 Mbit/s
95th percentile per-packet one-way delay: 128.027 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 682.97 Mbit/s
95th percentile per-packet one-way delay: 123.793 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 654.15 Mbit/s
95th percentile per-packet one-way delay: 89.767 ms
Loss rate: 1.26%

Run 3: Report of FillP-Sheep — Data Link

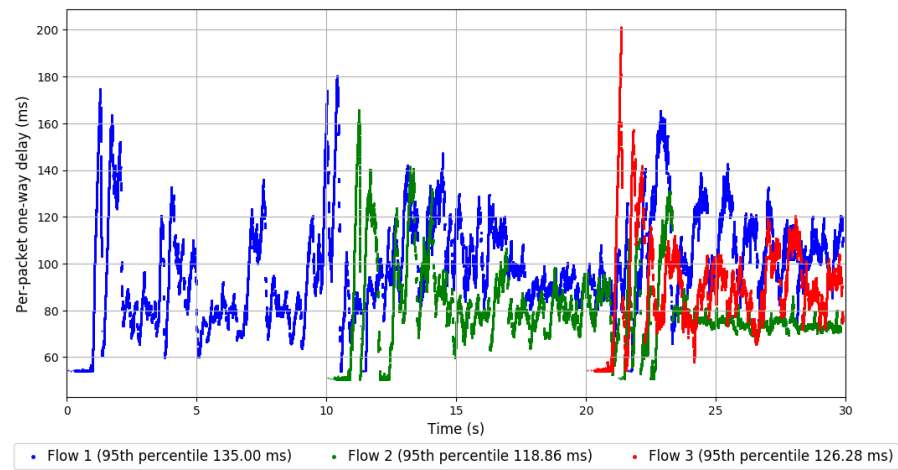
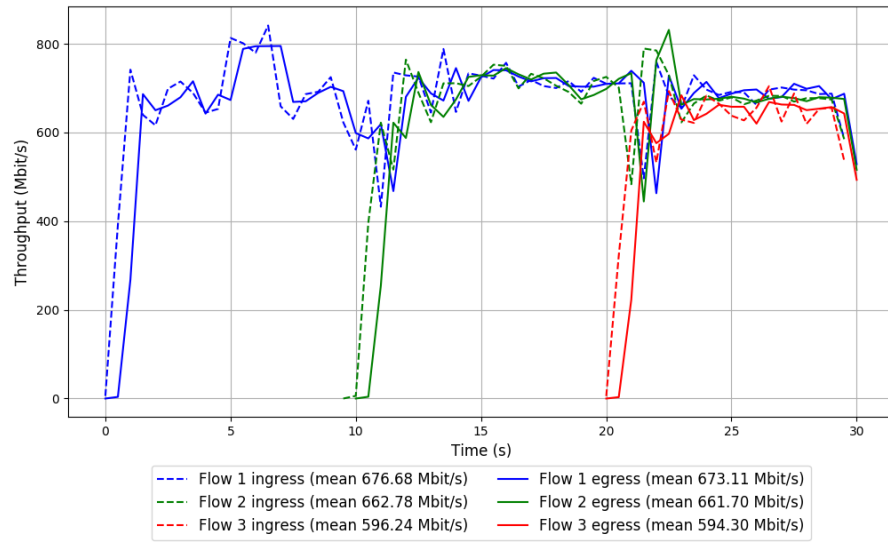


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-20 21:28:51
End at: 2018-07-20 21:29:21
Local clock offset: 0.157 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-21 02:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1308.61 Mbit/s
95th percentile per-packet one-way delay: 129.739 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 673.11 Mbit/s
95th percentile per-packet one-way delay: 135.004 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 661.70 Mbit/s
95th percentile per-packet one-way delay: 118.861 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 594.30 Mbit/s
95th percentile per-packet one-way delay: 126.281 ms
Loss rate: 1.37%

Run 4: Report of FillP-Sheep — Data Link

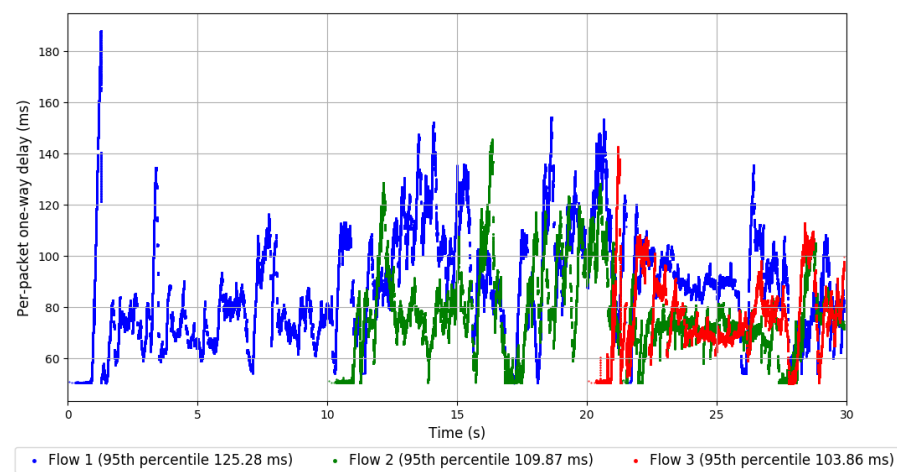
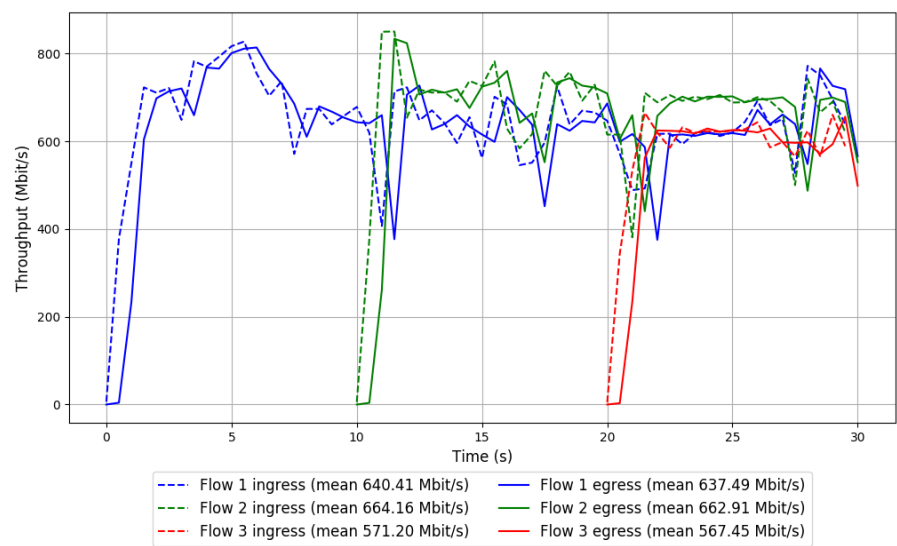


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-20 21:54:00
End at: 2018-07-20 21:54:30
Local clock offset: 0.203 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-21 02:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1265.02 Mbit/s
95th percentile per-packet one-way delay: 117.776 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 637.49 Mbit/s
95th percentile per-packet one-way delay: 125.280 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 662.91 Mbit/s
95th percentile per-packet one-way delay: 109.868 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 567.45 Mbit/s
95th percentile per-packet one-way delay: 103.857 ms
Loss rate: 1.62%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-20 22:18:33

End at: 2018-07-20 22:19:03

Local clock offset: -0.159 ms

Remote clock offset: 1.217 ms

Below is generated by plot.py at 2018-07-21 02:03:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1316.00 Mbit/s

95th percentile per-packet one-way delay: 119.139 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 687.01 Mbit/s

95th percentile per-packet one-way delay: 122.217 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 628.71 Mbit/s

95th percentile per-packet one-way delay: 114.486 ms

Loss rate: 1.17%

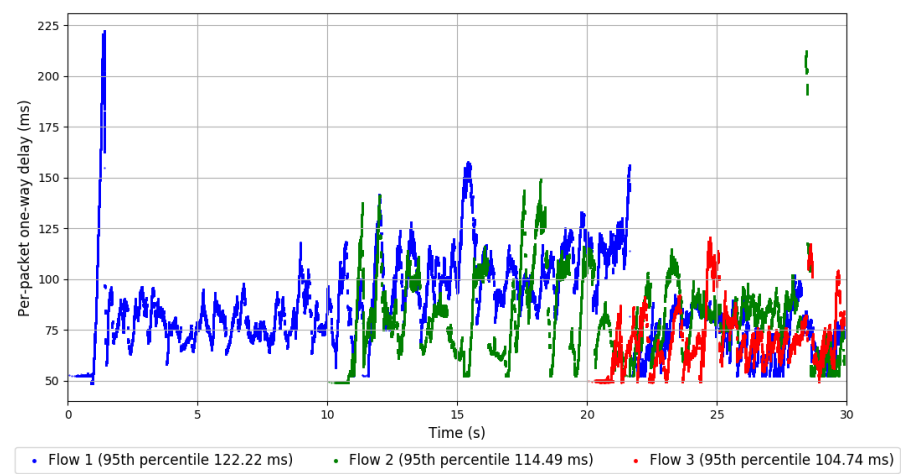
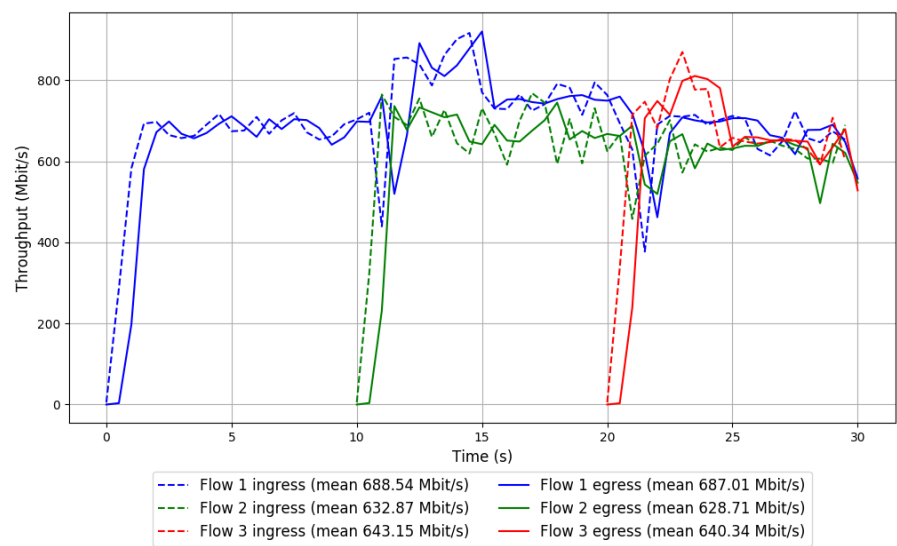
-- Flow 3:

Average throughput: 640.34 Mbit/s

95th percentile per-packet one-way delay: 104.743 ms

Loss rate: 1.46%

Run 6: Report of FillP-Sheep — Data Link

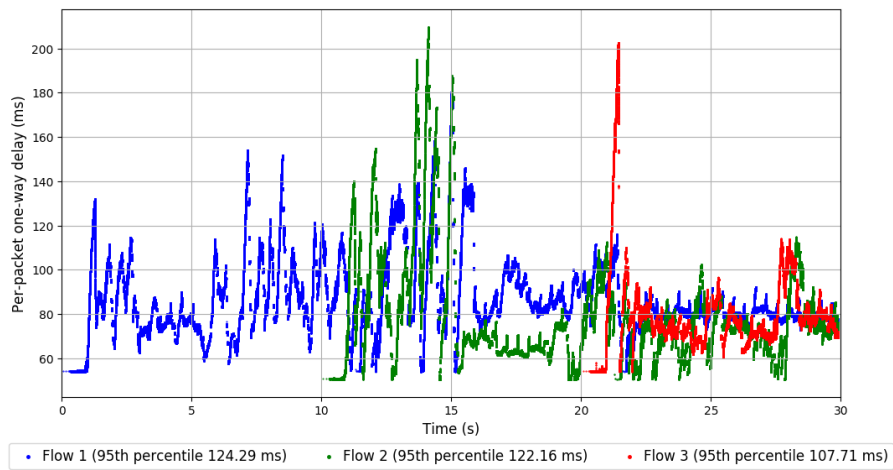
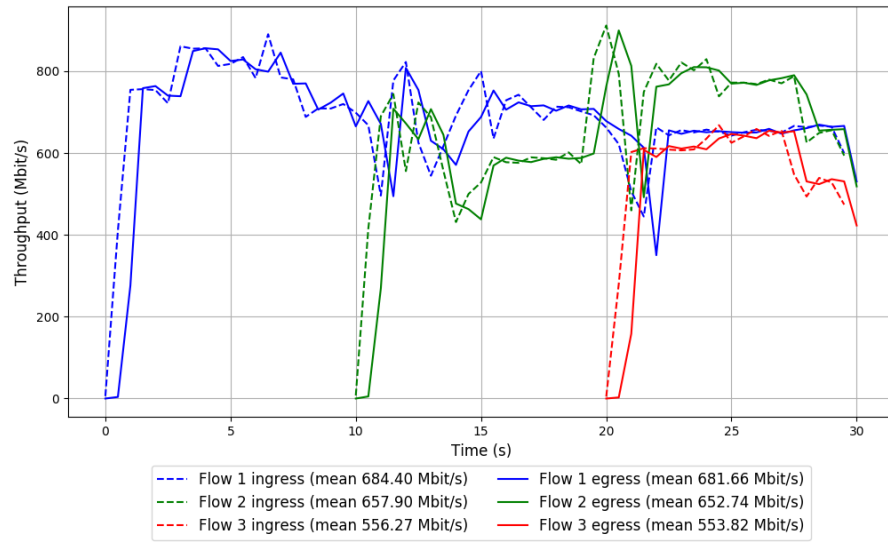


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-20 22:43:36
End at: 2018-07-20 22:44:06
Local clock offset: -0.127 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-07-21 02:23:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1297.63 Mbit/s
95th percentile per-packet one-way delay: 122.095 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 681.66 Mbit/s
95th percentile per-packet one-way delay: 124.287 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 652.74 Mbit/s
95th percentile per-packet one-way delay: 122.162 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 553.82 Mbit/s
95th percentile per-packet one-way delay: 107.714 ms
Loss rate: 1.51%

Run 7: Report of FillP-Sheep — Data Link

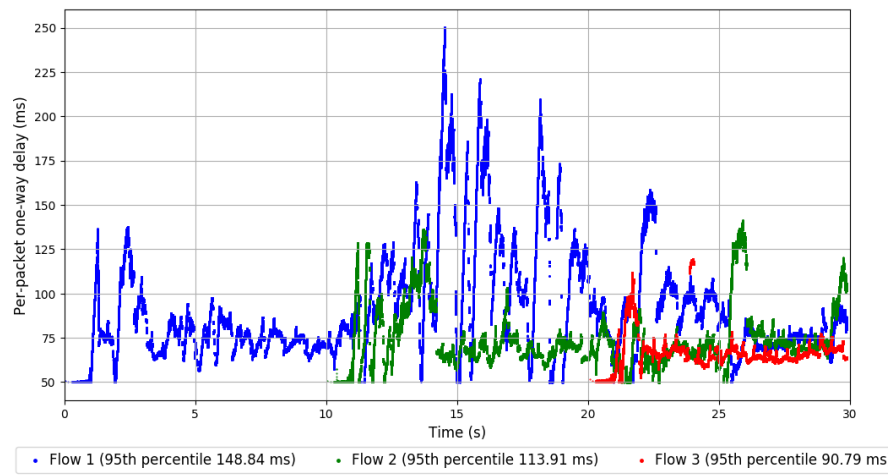
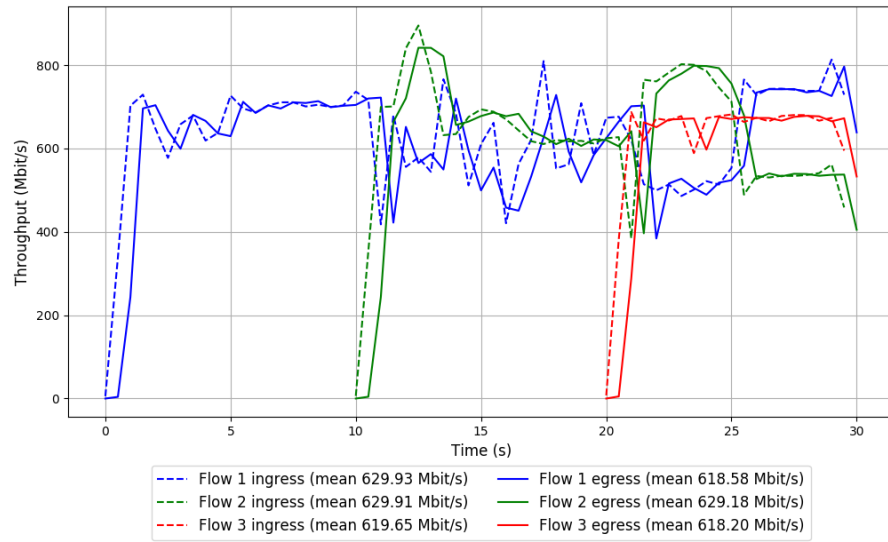


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-20 23:08:39
End at: 2018-07-20 23:09:09
Local clock offset: -0.255 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-21 02:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1240.39 Mbit/s
95th percentile per-packet one-way delay: 129.528 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 618.58 Mbit/s
95th percentile per-packet one-way delay: 148.845 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 629.18 Mbit/s
95th percentile per-packet one-way delay: 113.909 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 618.20 Mbit/s
95th percentile per-packet one-way delay: 90.786 ms
Loss rate: 1.27%

Run 8: Report of FillP-Sheep — Data Link

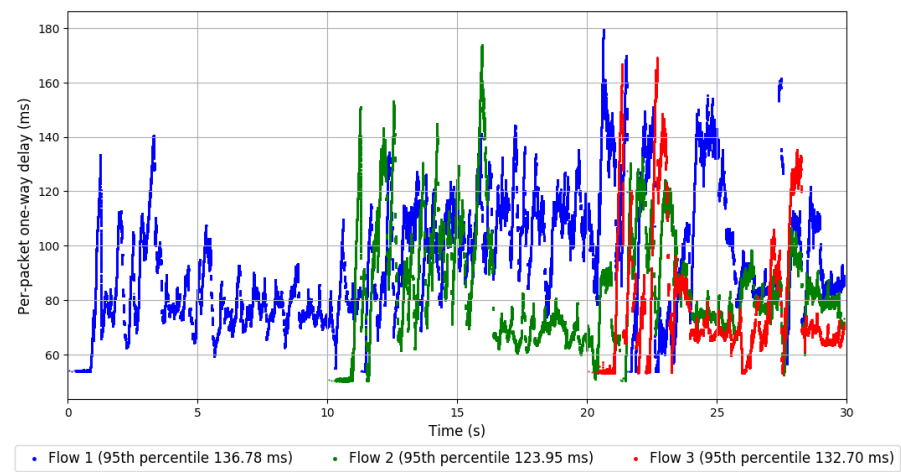
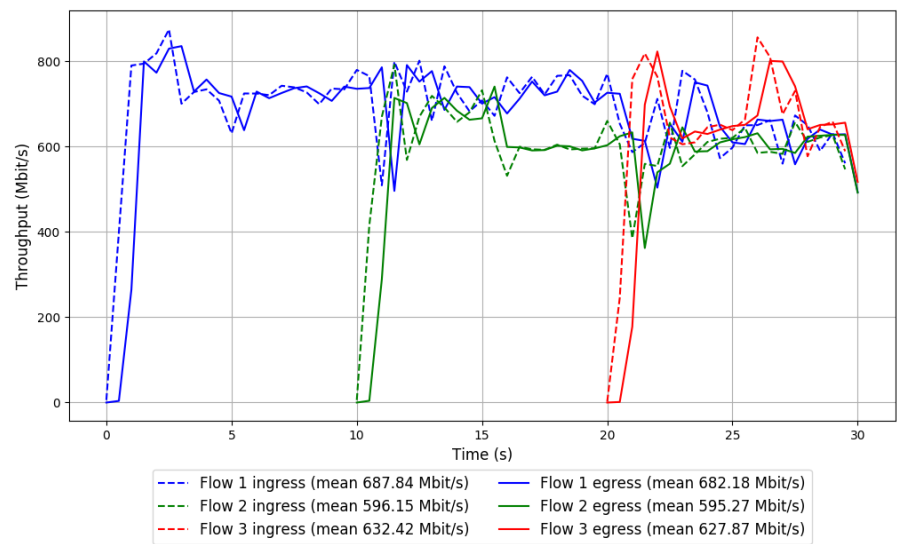


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-20 23:33:15
End at: 2018-07-20 23:33:45
Local clock offset: -0.077 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-21 02:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 1284.70 Mbit/s
95th percentile per-packet one-way delay: 133.335 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 682.18 Mbit/s
95th percentile per-packet one-way delay: 136.785 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 595.27 Mbit/s
95th percentile per-packet one-way delay: 123.955 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 627.87 Mbit/s
95th percentile per-packet one-way delay: 132.697 ms
Loss rate: 1.74%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-20 23:58:13

End at: 2018-07-20 23:58:43

Local clock offset: -0.136 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-07-21 02:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 1301.48 Mbit/s

95th percentile per-packet one-way delay: 126.464 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 646.20 Mbit/s

95th percentile per-packet one-way delay: 134.033 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 703.60 Mbit/s

95th percentile per-packet one-way delay: 115.050 ms

Loss rate: 0.86%

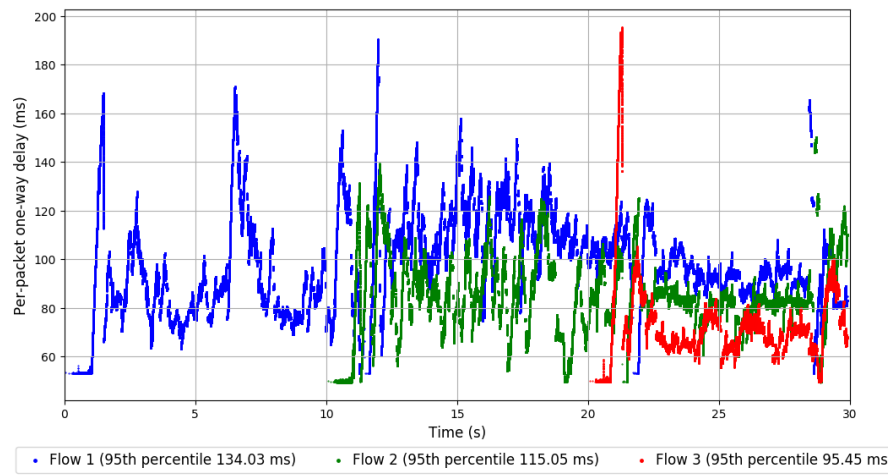
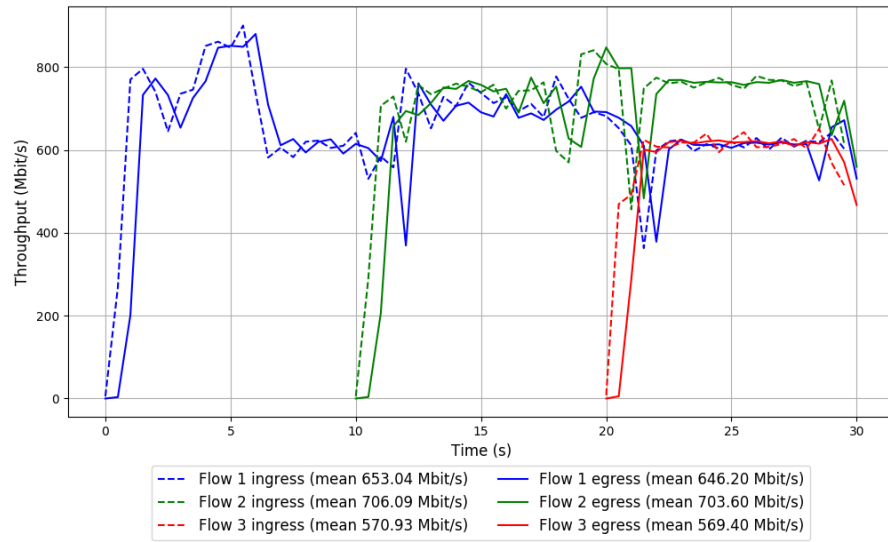
-- Flow 3:

Average throughput: 569.40 Mbit/s

95th percentile per-packet one-way delay: 95.451 ms

Loss rate: 1.29%

Run 10: Report of FillP-Sheep — Data Link

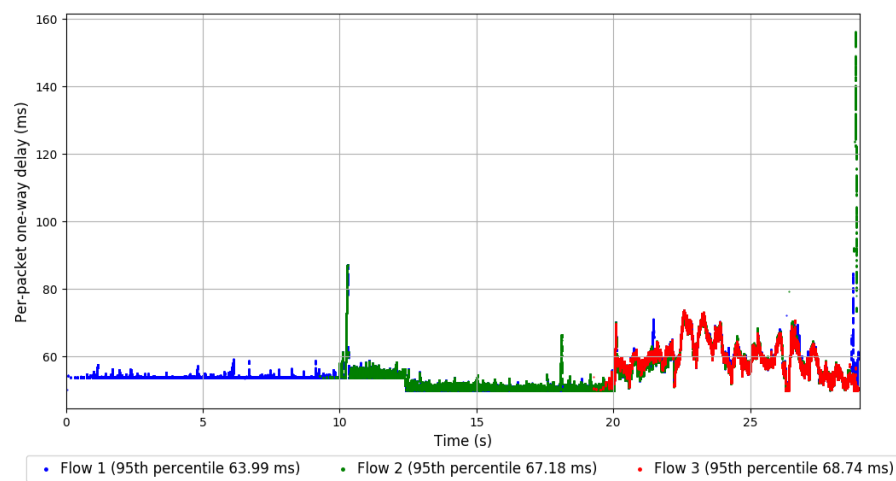
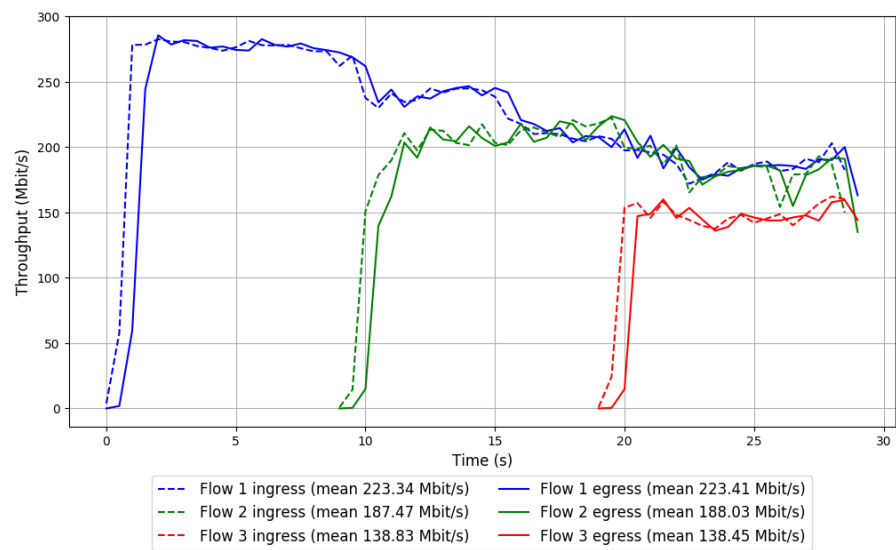


```
Run 1: Statistics of Indigo

Start at: 2018-07-20 20:08:31
End at: 2018-07-20 20:09:01
Local clock offset: -0.058 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-07-21 02:28:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 397.39 Mbit/s
95th percentile per-packet one-way delay: 66.347 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 223.41 Mbit/s
95th percentile per-packet one-way delay: 63.988 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 188.03 Mbit/s
95th percentile per-packet one-way delay: 67.176 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 138.45 Mbit/s
95th percentile per-packet one-way delay: 68.740 ms
Loss rate: 1.29%
```

Run 1: Report of Indigo — Data Link

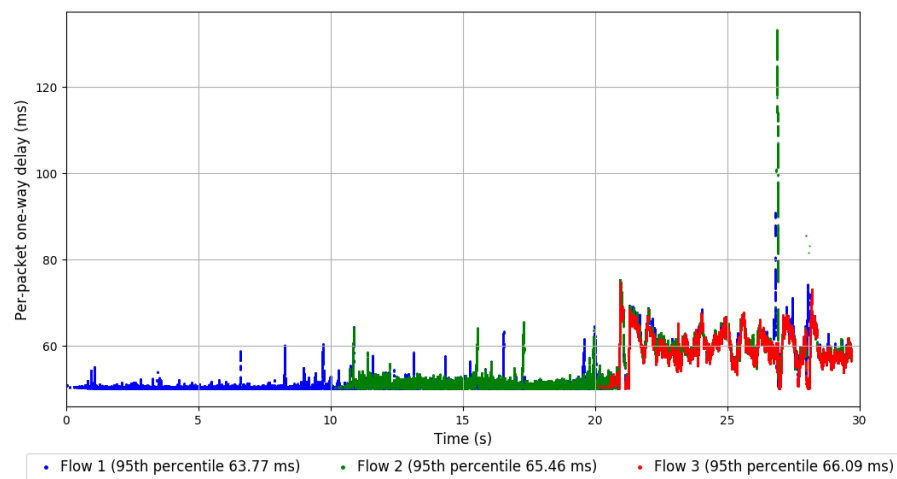
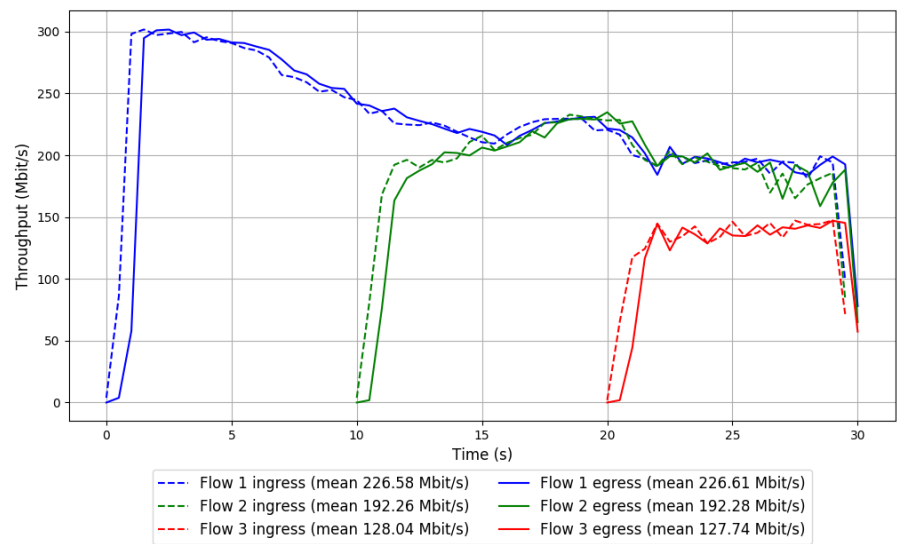


Run 2: Statistics of Indigo

Start at: 2018-07-20 20:33:46
End at: 2018-07-20 20:34:16
Local clock offset: 0.188 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.16 Mbit/s
95th percentile per-packet one-way delay: 64.932 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 226.61 Mbit/s
95th percentile per-packet one-way delay: 63.767 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 65.462 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 127.74 Mbit/s
95th percentile per-packet one-way delay: 66.086 ms
Loss rate: 1.30%

Run 2: Report of Indigo — Data Link

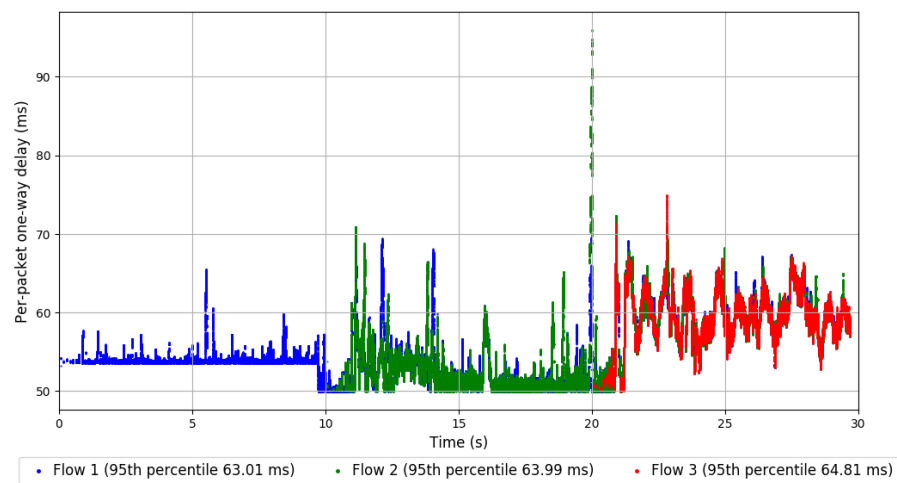
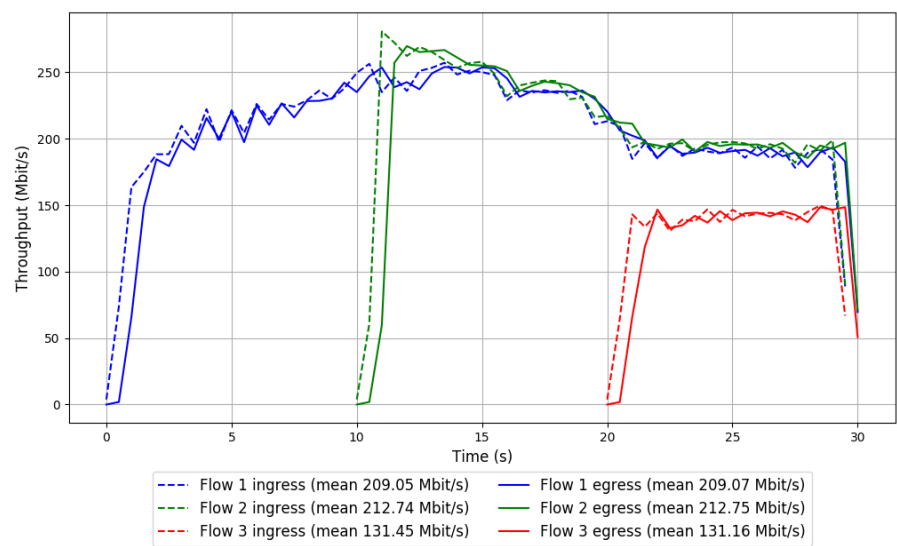


Run 3: Statistics of Indigo

Start at: 2018-07-20 20:59:14
End at: 2018-07-20 20:59:44
Local clock offset: 0.064 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.35 Mbit/s
95th percentile per-packet one-way delay: 63.739 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 209.07 Mbit/s
95th percentile per-packet one-way delay: 63.010 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 212.75 Mbit/s
95th percentile per-packet one-way delay: 63.988 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 131.16 Mbit/s
95th percentile per-packet one-way delay: 64.805 ms
Loss rate: 1.26%

Run 3: Report of Indigo — Data Link

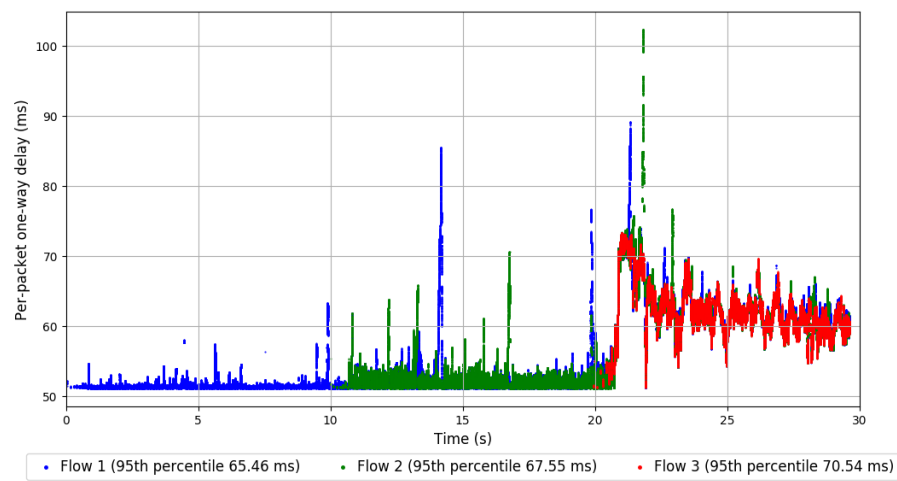
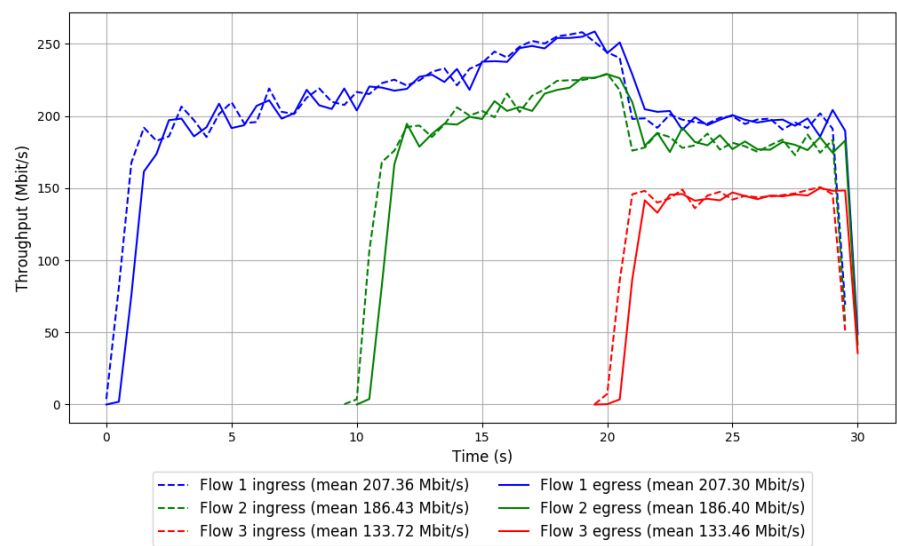


Run 4: Statistics of Indigo

Start at: 2018-07-20 21:24:38
End at: 2018-07-20 21:25:08
Local clock offset: -0.068 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.56 Mbit/s
95th percentile per-packet one-way delay: 67.024 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 65.461 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 186.40 Mbit/s
95th percentile per-packet one-way delay: 67.546 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 133.46 Mbit/s
95th percentile per-packet one-way delay: 70.542 ms
Loss rate: 1.23%

Run 4: Report of Indigo — Data Link

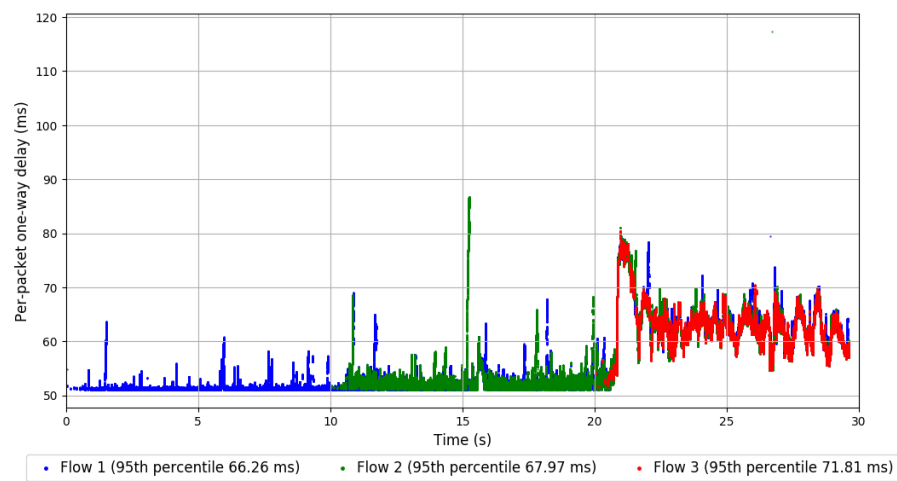
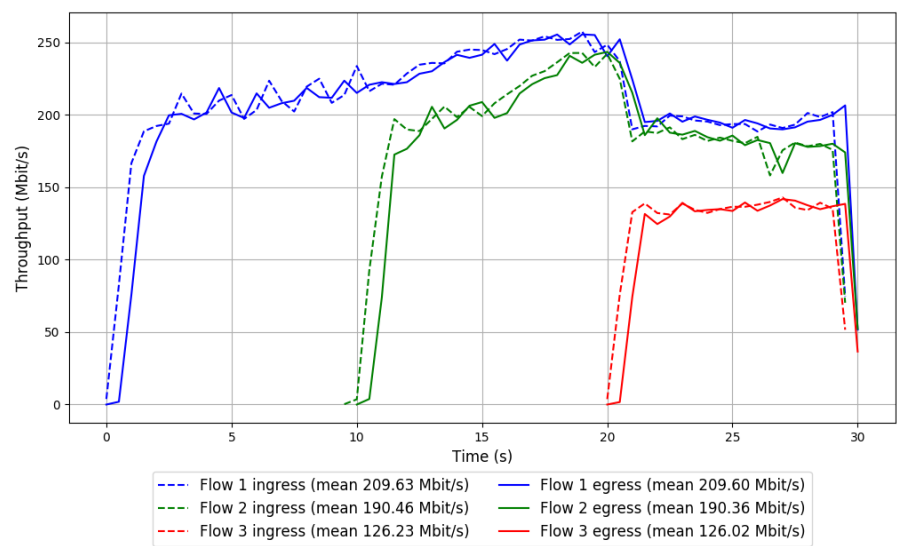


Run 5: Statistics of Indigo

Start at: 2018-07-20 21:49:49
End at: 2018-07-20 21:50:19
Local clock offset: -0.049 ms
Remote clock offset: -1.221 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.51 Mbit/s
95th percentile per-packet one-way delay: 67.450 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 209.60 Mbit/s
95th percentile per-packet one-way delay: 66.258 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 190.36 Mbit/s
95th percentile per-packet one-way delay: 67.971 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 126.02 Mbit/s
95th percentile per-packet one-way delay: 71.809 ms
Loss rate: 1.24%

Run 5: Report of Indigo — Data Link

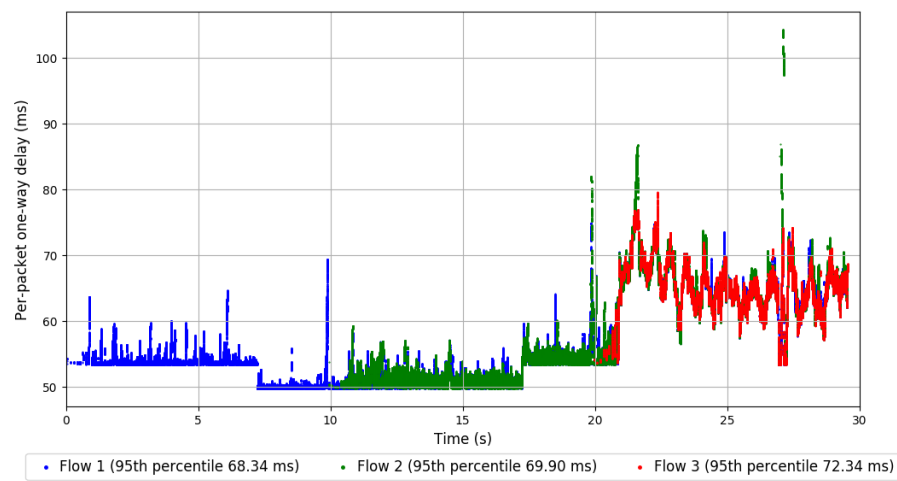
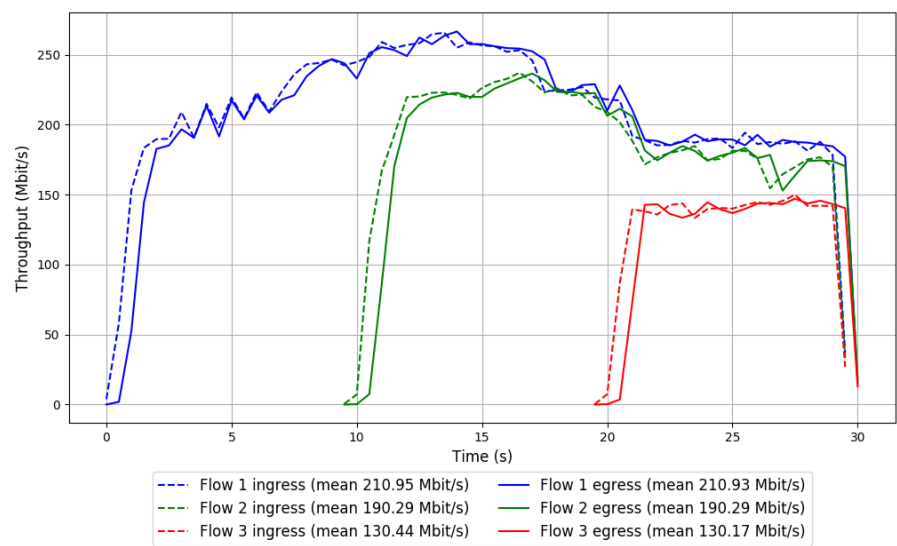


Run 6: Statistics of Indigo

Start at: 2018-07-20 22:14:36
End at: 2018-07-20 22:15:06
Local clock offset: -0.16 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.67 Mbit/s
95th percentile per-packet one-way delay: 69.552 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 210.93 Mbit/s
95th percentile per-packet one-way delay: 68.340 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 190.29 Mbit/s
95th percentile per-packet one-way delay: 69.897 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 130.17 Mbit/s
95th percentile per-packet one-way delay: 72.337 ms
Loss rate: 1.28%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-20 22:39:26

End at: 2018-07-20 22:39:56

Local clock offset: 0.101 ms

Remote clock offset: 1.271 ms

Below is generated by plot.py at 2018-07-21 02:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.55 Mbit/s

95th percentile per-packet one-way delay: 63.078 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 207.15 Mbit/s

95th percentile per-packet one-way delay: 61.481 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 168.61 Mbit/s

95th percentile per-packet one-way delay: 64.784 ms

Loss rate: 0.56%

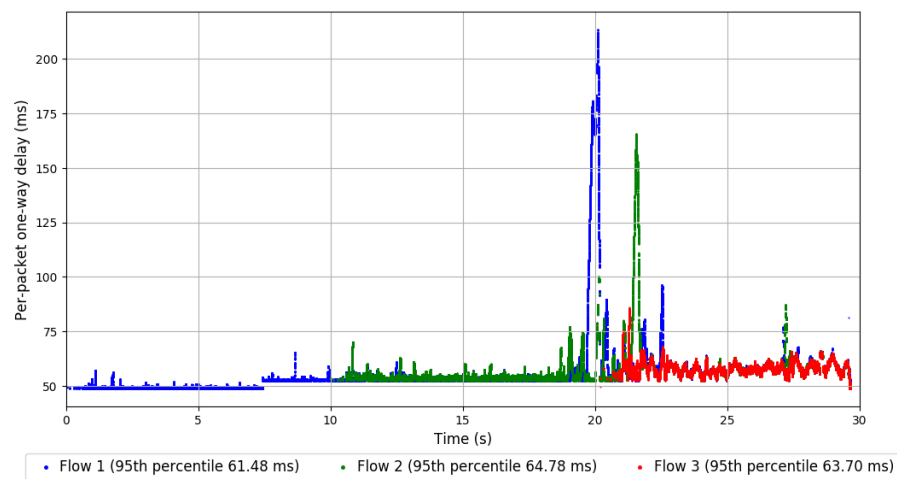
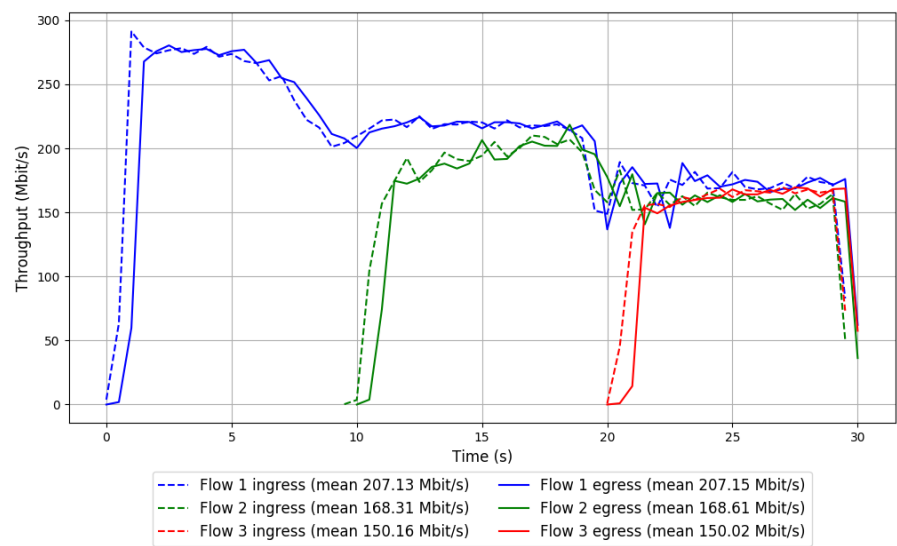
-- Flow 3:

Average throughput: 150.02 Mbit/s

95th percentile per-packet one-way delay: 63.703 ms

Loss rate: 1.17%

Run 7: Report of Indigo — Data Link

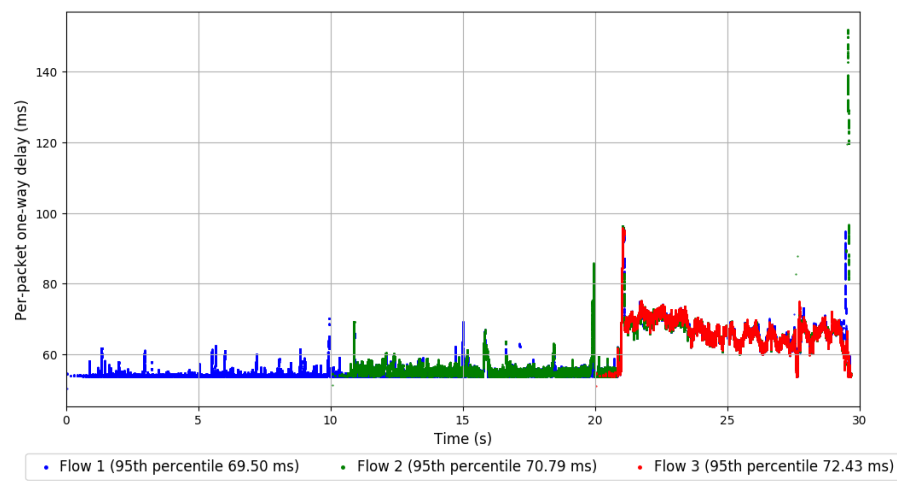
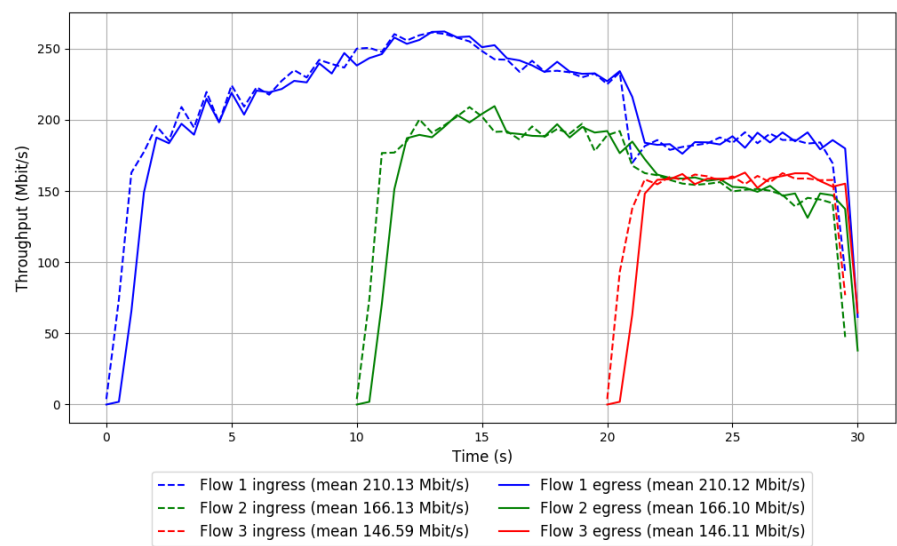


Run 8: Statistics of Indigo

Start at: 2018-07-20 23:04:31
End at: 2018-07-20 23:05:01
Local clock offset: -0.023 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.46 Mbit/s
95th percentile per-packet one-way delay: 70.758 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 210.12 Mbit/s
95th percentile per-packet one-way delay: 69.505 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 166.10 Mbit/s
95th percentile per-packet one-way delay: 70.793 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 146.11 Mbit/s
95th percentile per-packet one-way delay: 72.430 ms
Loss rate: 1.30%

Run 8: Report of Indigo — Data Link

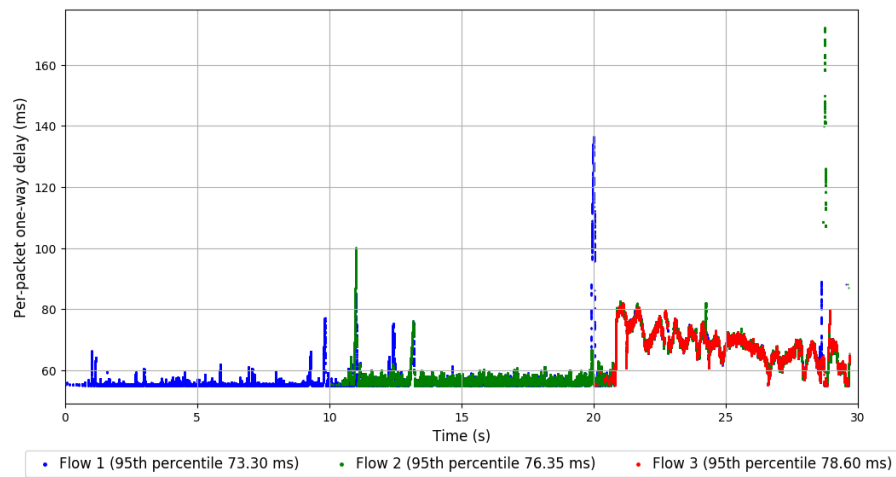
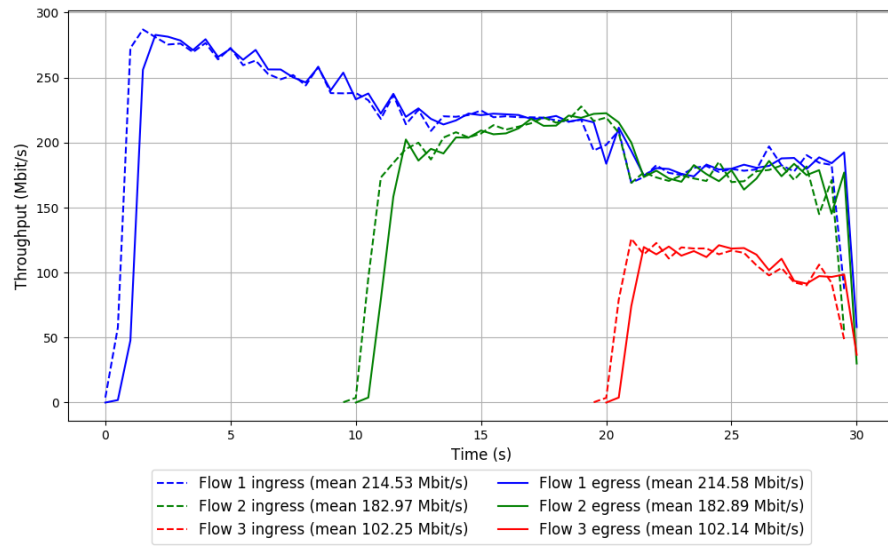


Run 9: Statistics of Indigo

Start at: 2018-07-20 23:29:21
End at: 2018-07-20 23:29:51
Local clock offset: -0.049 ms
Remote clock offset: -1.375 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.18 Mbit/s
95th percentile per-packet one-way delay: 75.310 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 214.58 Mbit/s
95th percentile per-packet one-way delay: 73.297 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 182.89 Mbit/s
95th percentile per-packet one-way delay: 76.351 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 102.14 Mbit/s
95th percentile per-packet one-way delay: 78.597 ms
Loss rate: 1.18%

Run 9: Report of Indigo — Data Link

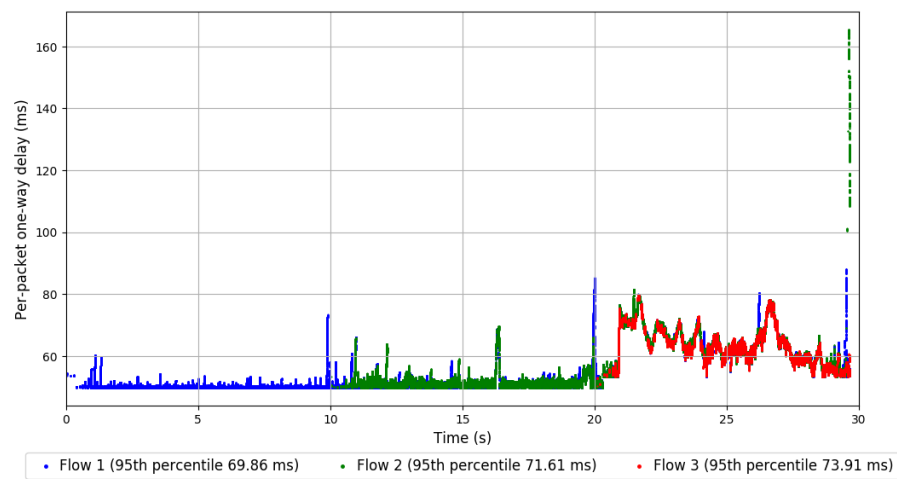
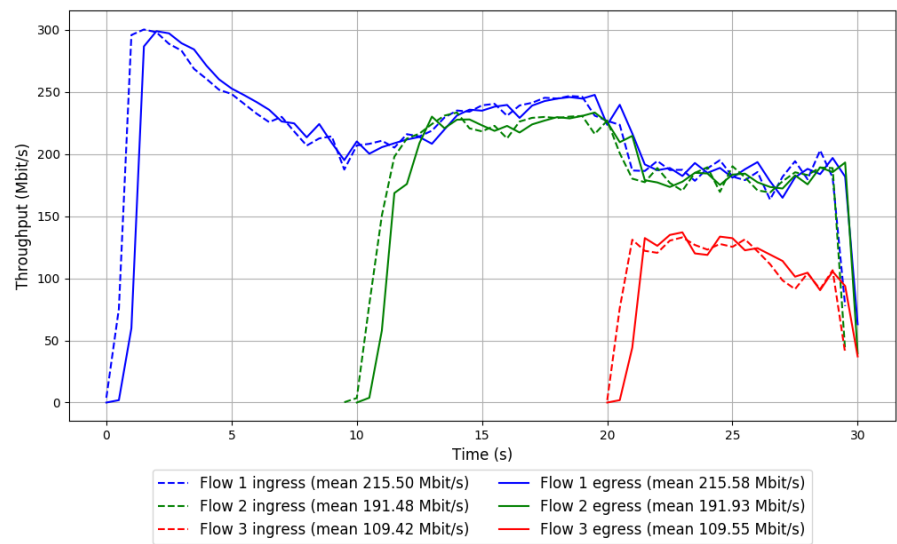


Run 10: Statistics of Indigo

Start at: 2018-07-20 23:54:04
End at: 2018-07-20 23:54:34
Local clock offset: -0.119 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.16 Mbit/s
95th percentile per-packet one-way delay: 70.918 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 215.58 Mbit/s
95th percentile per-packet one-way delay: 69.856 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 191.93 Mbit/s
95th percentile per-packet one-way delay: 71.611 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 109.55 Mbit/s
95th percentile per-packet one-way delay: 73.906 ms
Loss rate: 0.94%

Run 10: Report of Indigo — Data Link

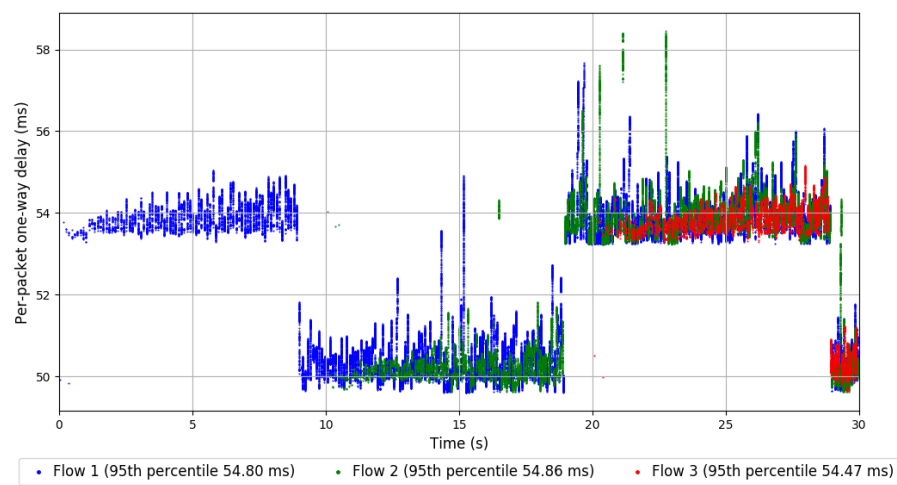
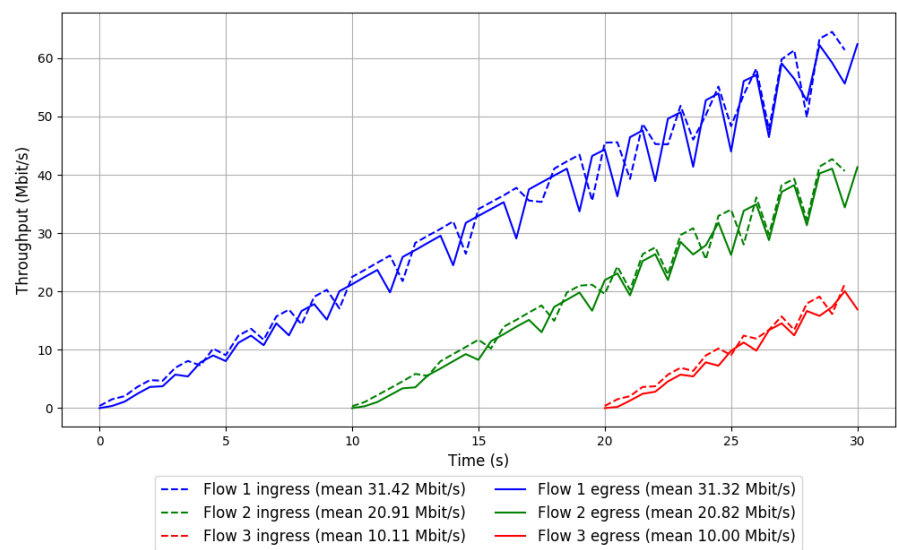


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-20 20:01:35
End at: 2018-07-20 20:02:05
Local clock offset: -0.328 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-07-21 02:28:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 54.788 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 54.801 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 54.863 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 54.465 ms
Loss rate: 2.18%
```


Run 1: Report of LEDBAT — Data Link

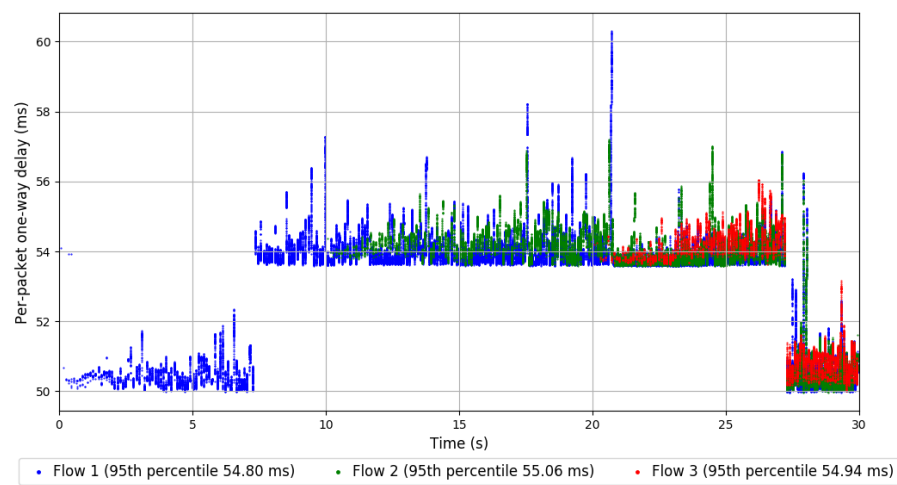
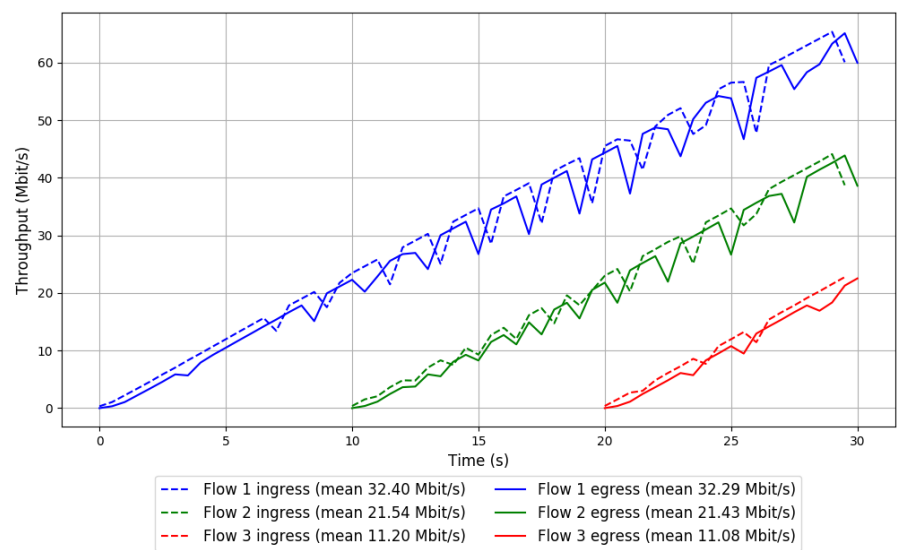


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-20 20:26:27
End at: 2018-07-20 20:26:57
Local clock offset: 0.037 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-07-21 02:28:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 54.917 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 54.797 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 55.064 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 54.936 ms
Loss rate: 2.08%
```

Run 2: Report of LEDBAT — Data Link

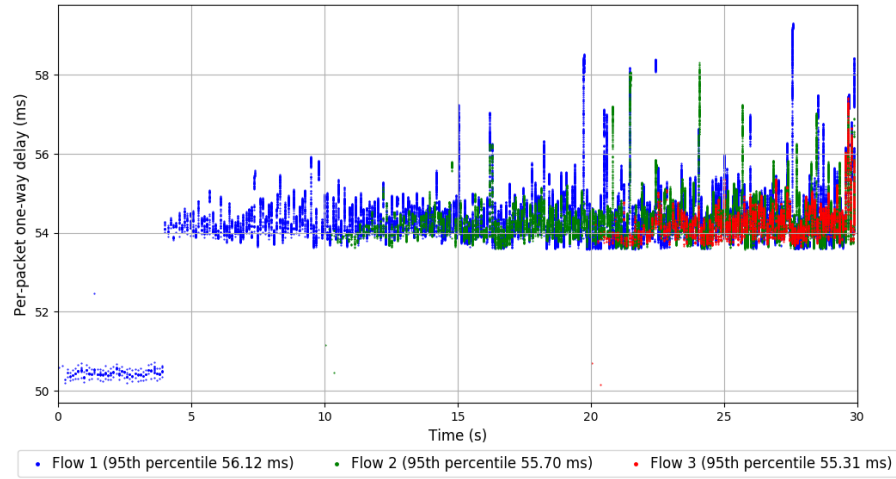
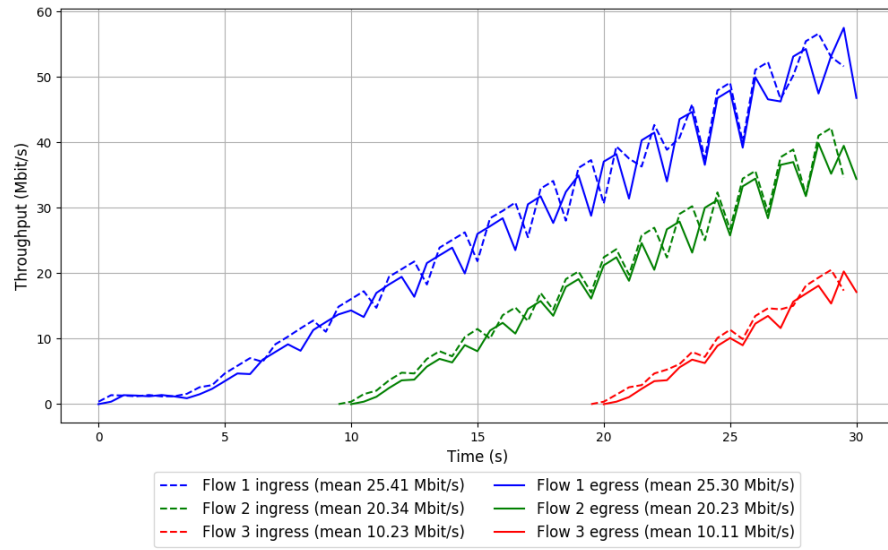


Run 3: Statistics of LEDBAT

Start at: 2018-07-20 20:52:00
End at: 2018-07-20 20:52:30
Local clock offset: 0.101 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 55.908 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 56.122 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 55.695 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 55.313 ms
Loss rate: 2.17%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-20 21:17:23

End at: 2018-07-20 21:17:53

Local clock offset: 0.059 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2018-07-21 02:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 53.838 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 54.046 ms

Loss rate: 1.02%

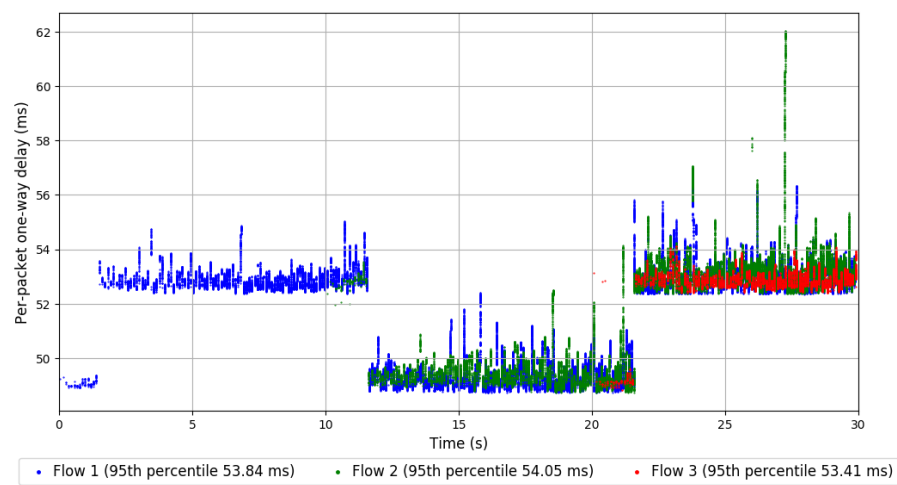
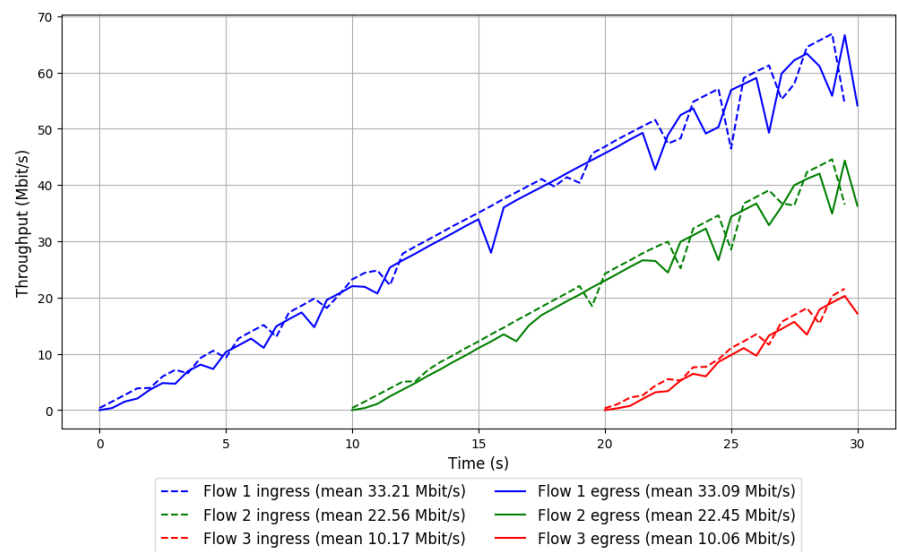
-- Flow 3:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 53.408 ms

Loss rate: 2.18%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-20 21:42:35

End at: 2018-07-20 21:43:05

Local clock offset: -0.028 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2018-07-21 02:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 55.008 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 55.094 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 54.895 ms

Loss rate: 1.06%

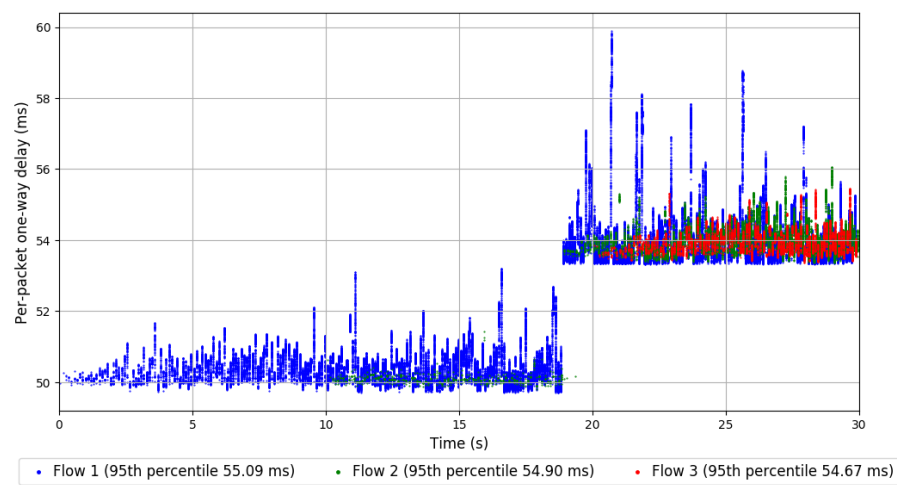
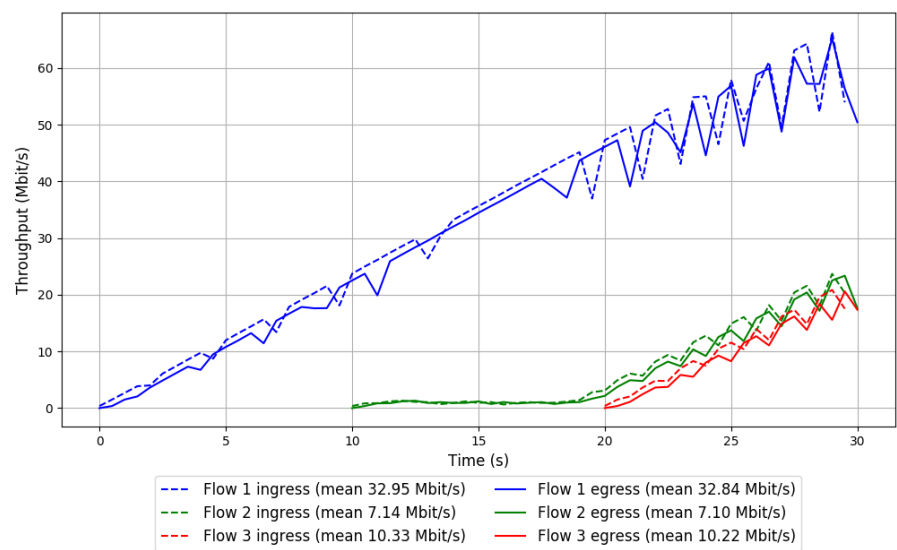
-- Flow 3:

Average throughput: 10.22 Mbit/s

95th percentile per-packet one-way delay: 54.670 ms

Loss rate: 2.18%

Run 5: Report of LEDBAT — Data Link

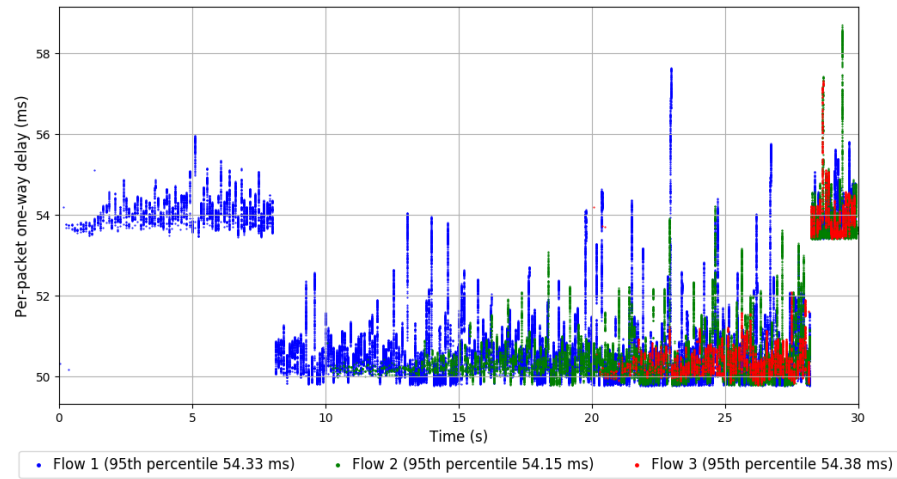
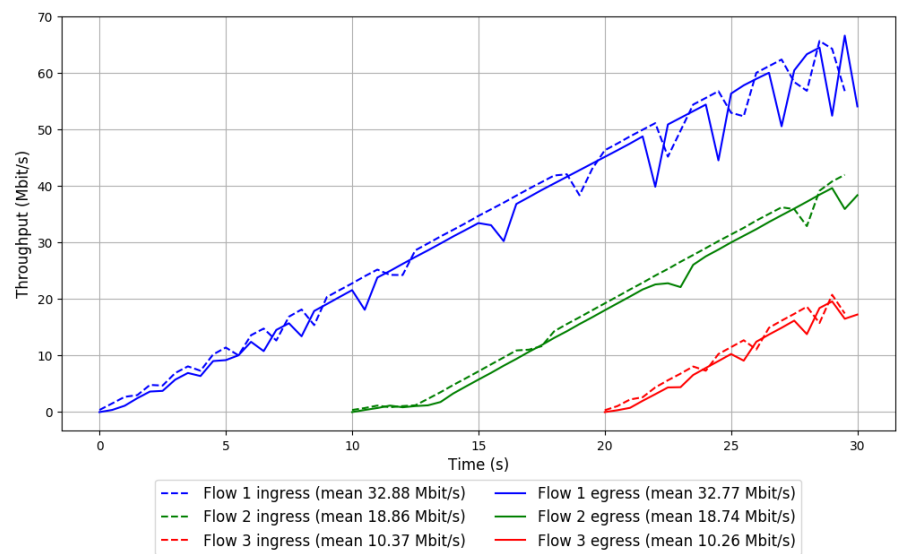


Run 6: Statistics of LEDBAT

Start at: 2018-07-20 22:07:36
End at: 2018-07-20 22:08:06
Local clock offset: -0.215 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 54.306 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 54.326 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 54.146 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 54.380 ms
Loss rate: 2.16%

Run 6: Report of LEDBAT — Data Link

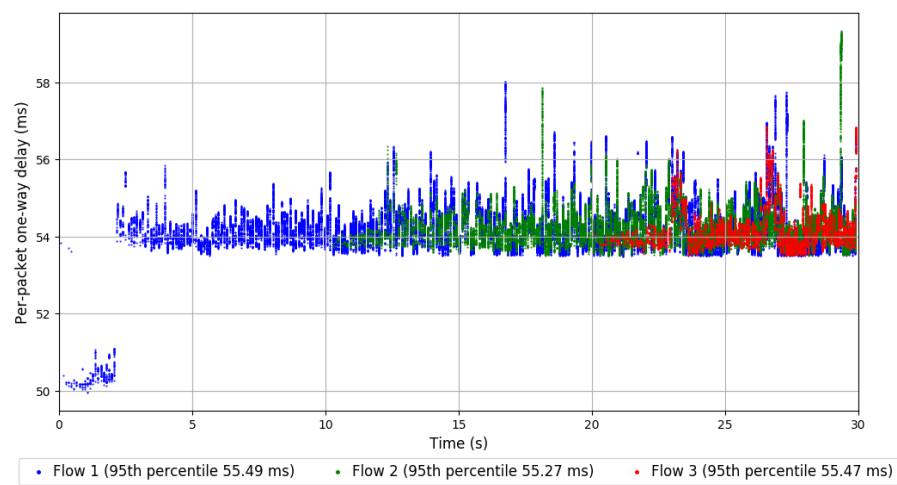
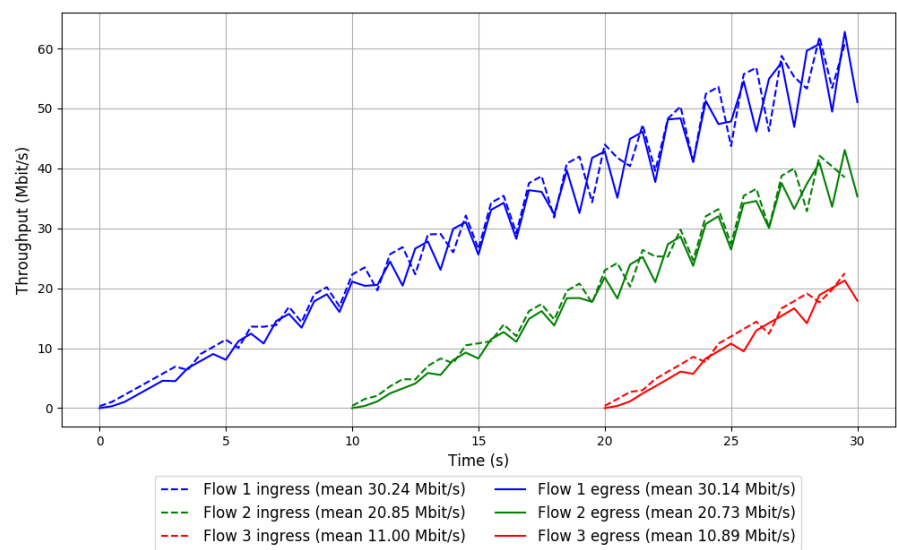


Run 7: Statistics of LEDBAT

Start at: 2018-07-20 22:32:22
End at: 2018-07-20 22:32:52
Local clock offset: -0.139 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 55.430 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 30.14 Mbit/s
95th percentile per-packet one-way delay: 55.488 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 55.268 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 55.468 ms
Loss rate: 2.10%

Run 7: Report of LEDBAT — Data Link

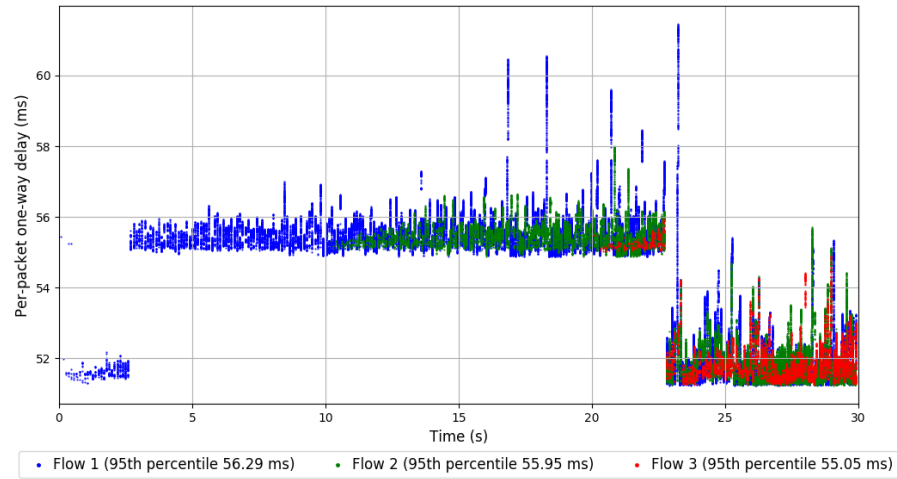
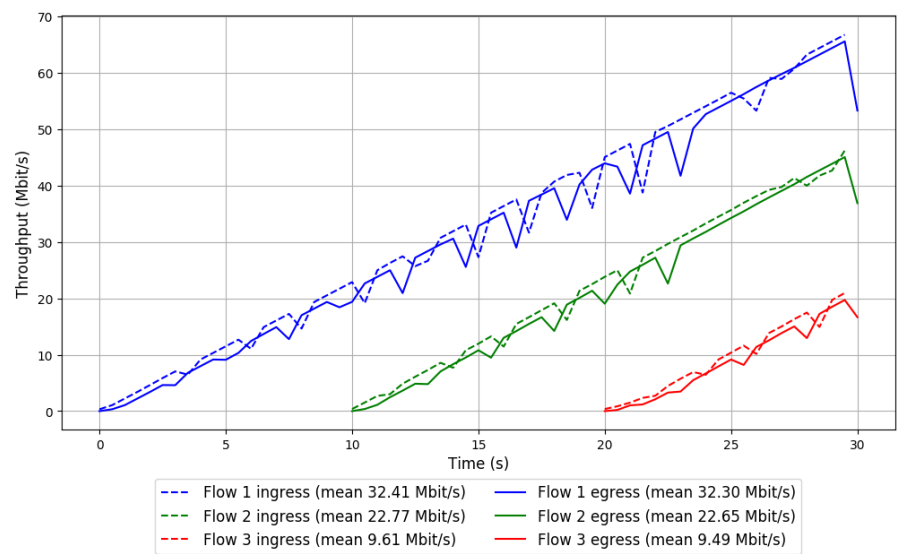


Run 8: Statistics of LEDBAT

Start at: 2018-07-20 22:57:21
End at: 2018-07-20 22:57:51
Local clock offset: -0.131 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 56.143 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 56.288 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 55.954 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 55.055 ms
Loss rate: 2.25%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-20 23:22:27

End at: 2018-07-20 23:22:57

Local clock offset: -0.171 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-21 02:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.97 Mbit/s

95th percentile per-packet one-way delay: 54.965 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 54.976 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 55.096 ms

Loss rate: 1.04%

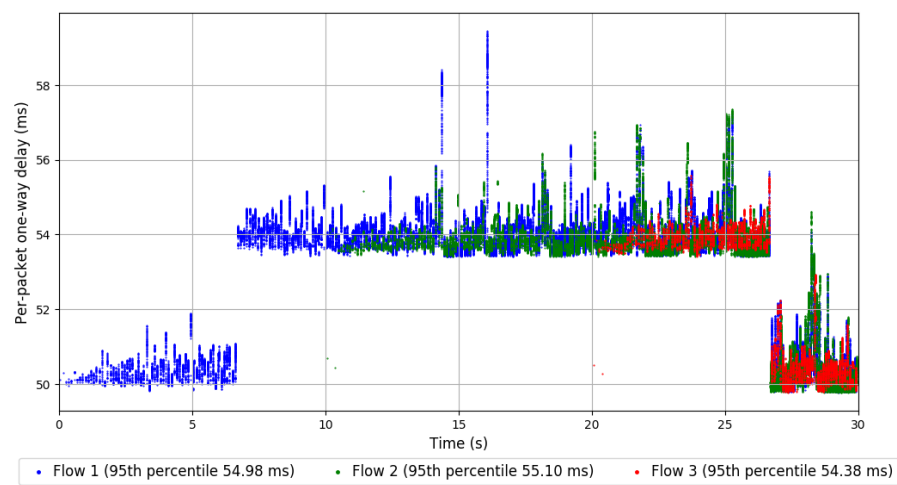
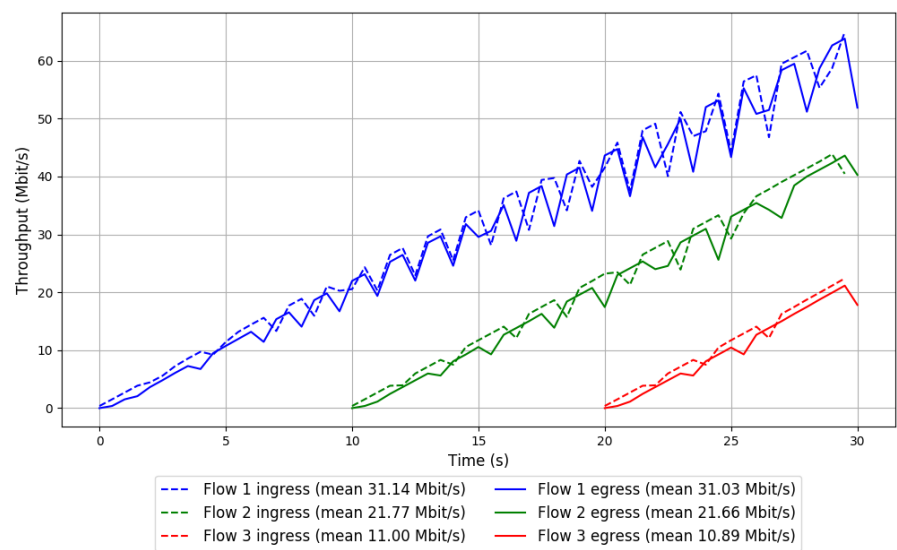
-- Flow 3:

Average throughput: 10.89 Mbit/s

95th percentile per-packet one-way delay: 54.375 ms

Loss rate: 2.09%

Run 9: Report of LEDBAT — Data Link

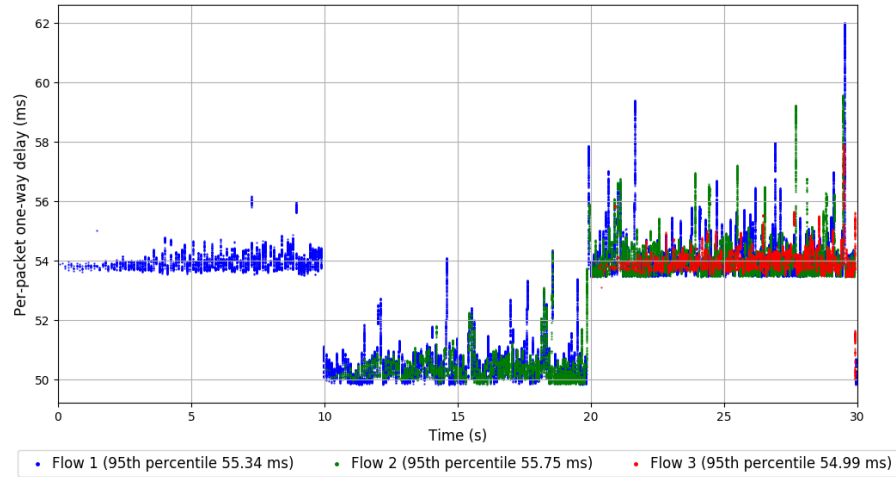
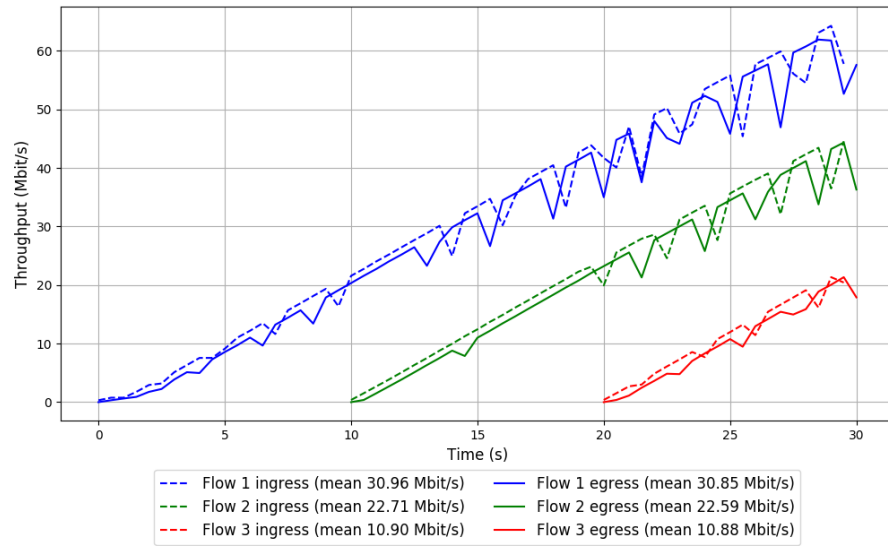


Run 10: Statistics of LEDBAT

Start at: 2018-07-20 23:46:54
End at: 2018-07-20 23:47:24
Local clock offset: -0.23 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-21 02:28:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 55.423 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 55.340 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 22.59 Mbit/s
95th percentile per-packet one-way delay: 55.752 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 54.991 ms
Loss rate: 1.17%

Run 10: Report of LEDBAT — Data Link

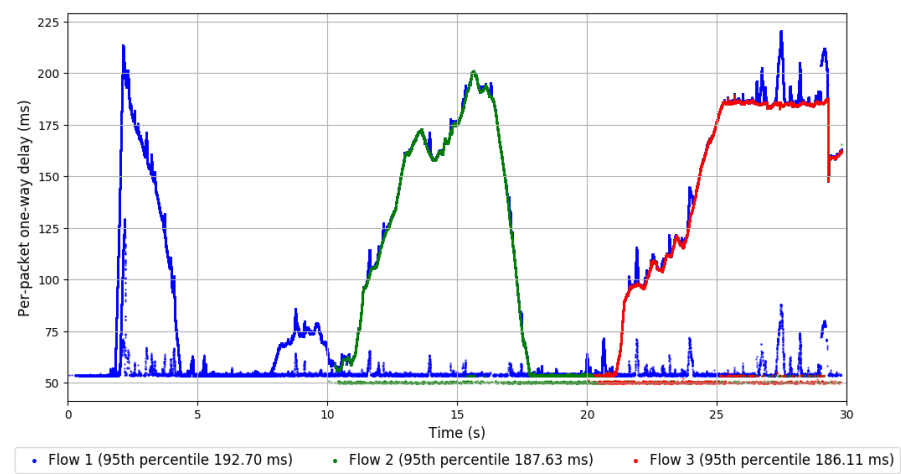
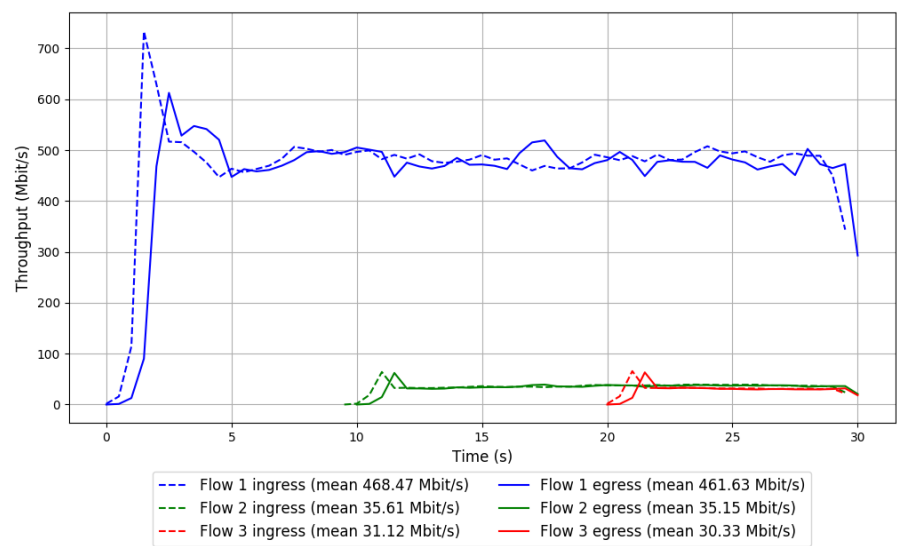


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-20 20:18:14
End at: 2018-07-20 20:18:44
Local clock offset: -0.06 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-07-21 02:34:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 494.86 Mbit/s
95th percentile per-packet one-way delay: 192.396 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 461.63 Mbit/s
95th percentile per-packet one-way delay: 192.702 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 187.634 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 186.111 ms
Loss rate: 3.54%
```

Run 1: Report of PCC-Allegro — Data Link

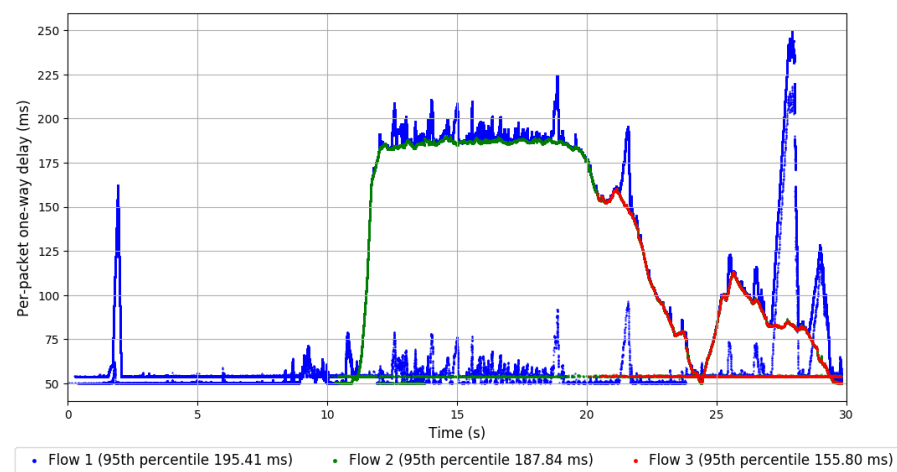
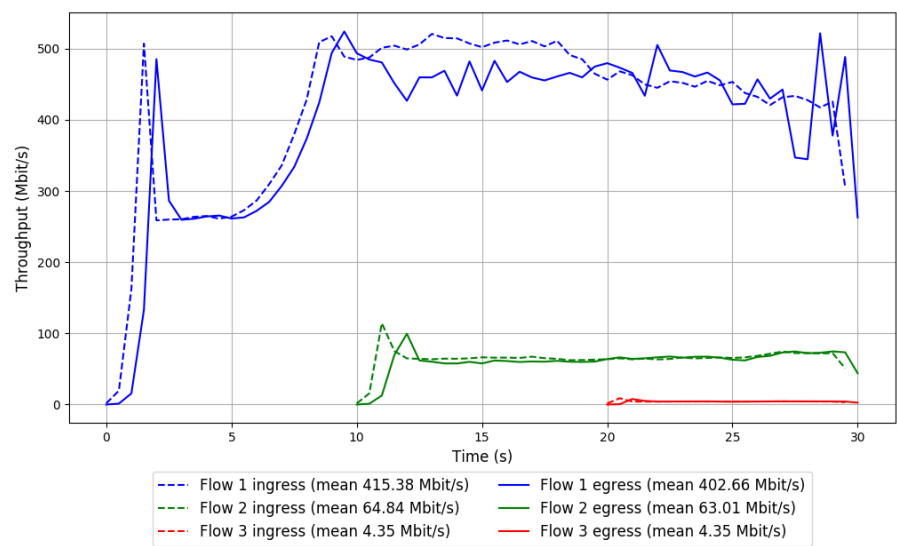


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-20 20:43:50
End at: 2018-07-20 20:44:20
Local clock offset: -0.035 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-21 02:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.87 Mbit/s
95th percentile per-packet one-way delay: 194.223 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 402.66 Mbit/s
95th percentile per-packet one-way delay: 195.413 ms
Loss rate: 3.40%
-- Flow 2:
Average throughput: 63.01 Mbit/s
95th percentile per-packet one-way delay: 187.839 ms
Loss rate: 3.34%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 155.801 ms
Loss rate: 1.01%

Run 2: Report of PCC-Allegro — Data Link

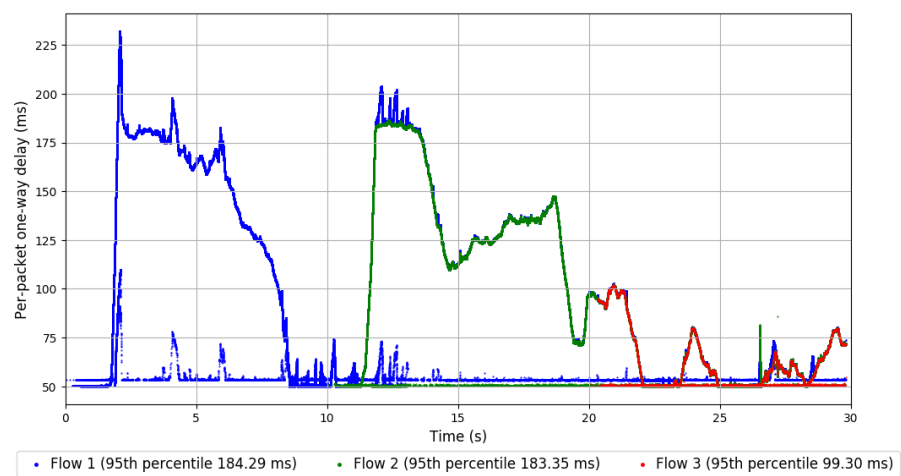
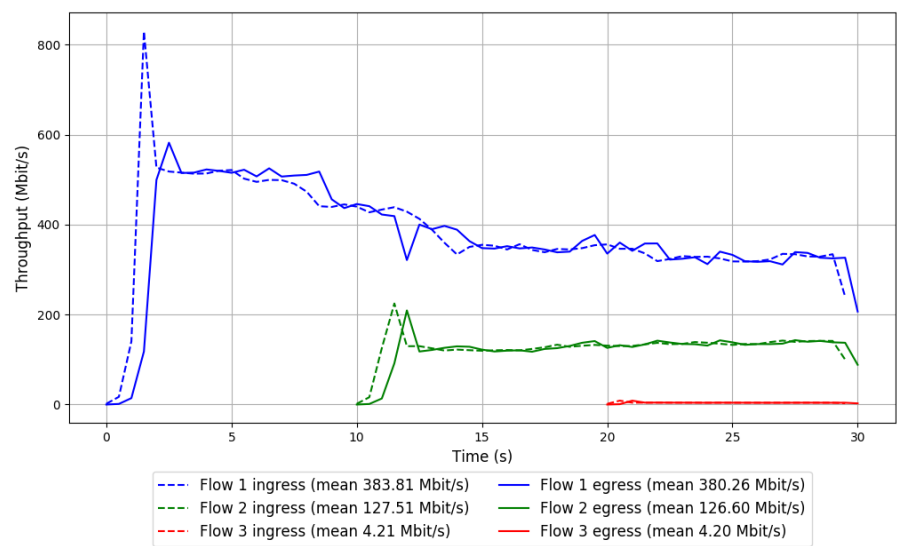


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-20 21:09:10
End at: 2018-07-20 21:09:40
Local clock offset: -0.048 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-21 02:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.61 Mbit/s
95th percentile per-packet one-way delay: 183.972 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 380.26 Mbit/s
95th percentile per-packet one-way delay: 184.293 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 126.60 Mbit/s
95th percentile per-packet one-way delay: 183.354 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 99.301 ms
Loss rate: 1.23%

Run 3: Report of PCC-Allegro — Data Link

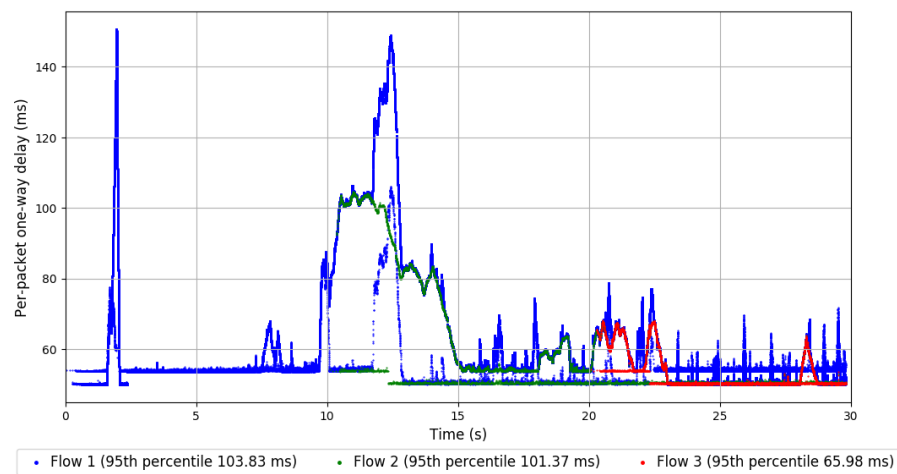
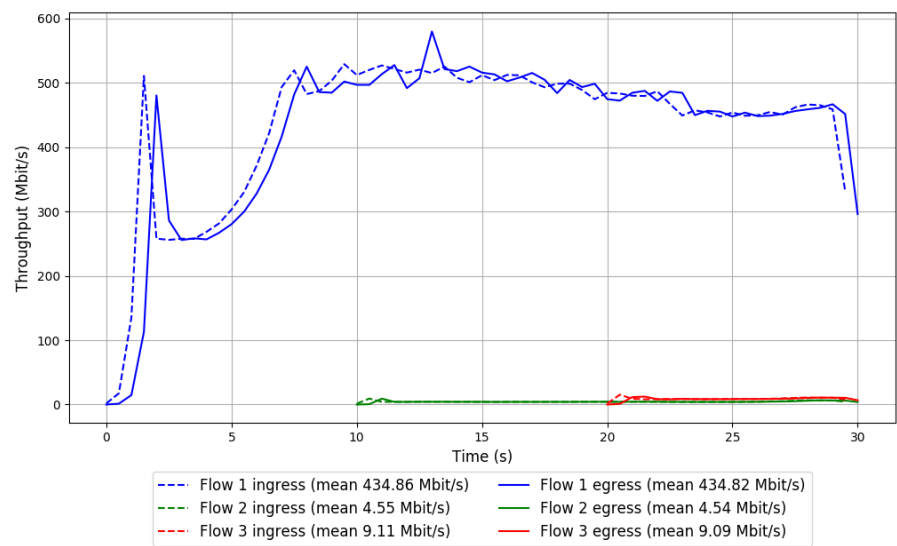


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-20 21:34:32
End at: 2018-07-20 21:35:02
Local clock offset: -0.063 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-21 02:34:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.79 Mbit/s
95th percentile per-packet one-way delay: 103.760 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 434.82 Mbit/s
95th percentile per-packet one-way delay: 103.826 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 101.366 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 65.977 ms
Loss rate: 1.24%

Run 4: Report of PCC-Allegro — Data Link

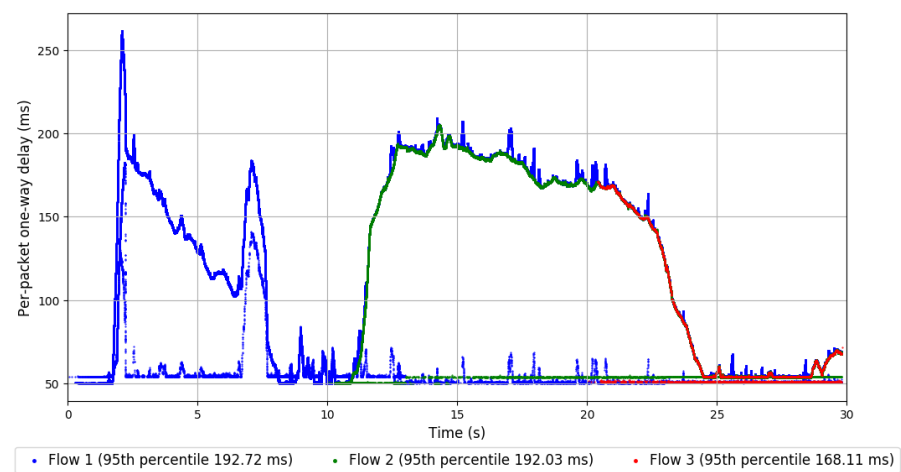
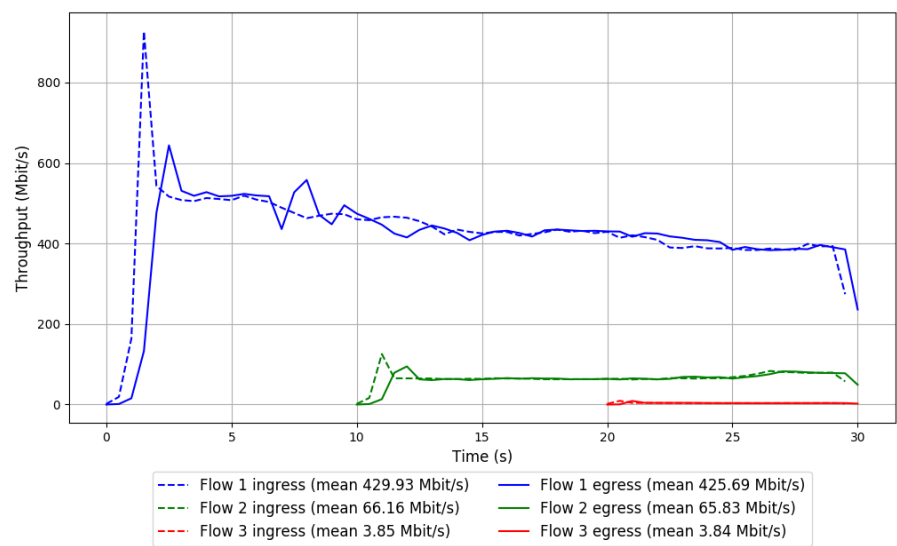


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-20 21:59:31
End at: 2018-07-20 22:00:01
Local clock offset: 0.067 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-21 02:35:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.56 Mbit/s
95th percentile per-packet one-way delay: 192.614 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 425.69 Mbit/s
95th percentile per-packet one-way delay: 192.717 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 65.83 Mbit/s
95th percentile per-packet one-way delay: 192.035 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 168.112 ms
Loss rate: 1.12%

Run 5: Report of PCC-Allegro — Data Link

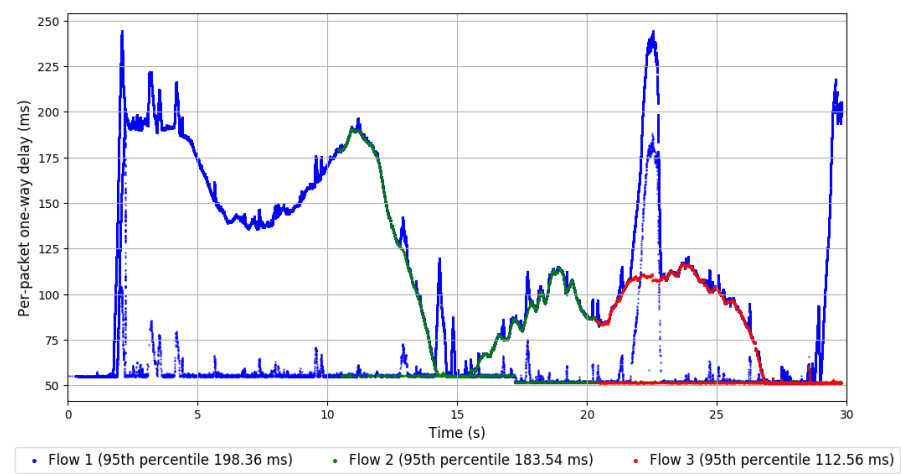
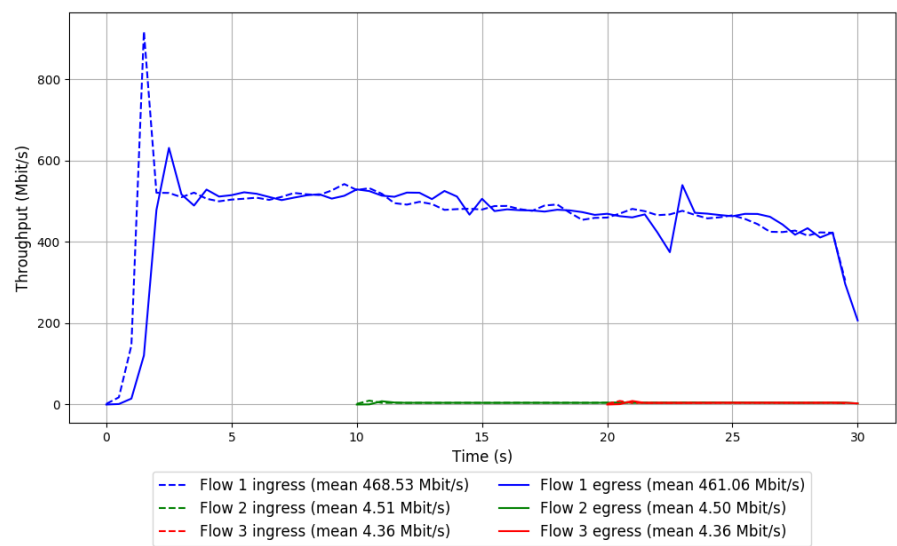


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-20 22:24:15
End at: 2018-07-20 22:24:45
Local clock offset: -0.101 ms
Remote clock offset: -1.397 ms

Below is generated by plot.py at 2018-07-21 02:35:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.45 Mbit/s
95th percentile per-packet one-way delay: 198.167 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 461.06 Mbit/s
95th percentile per-packet one-way delay: 198.359 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 183.545 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 112.556 ms
Loss rate: 1.02%

Run 6: Report of PCC-Allegro — Data Link

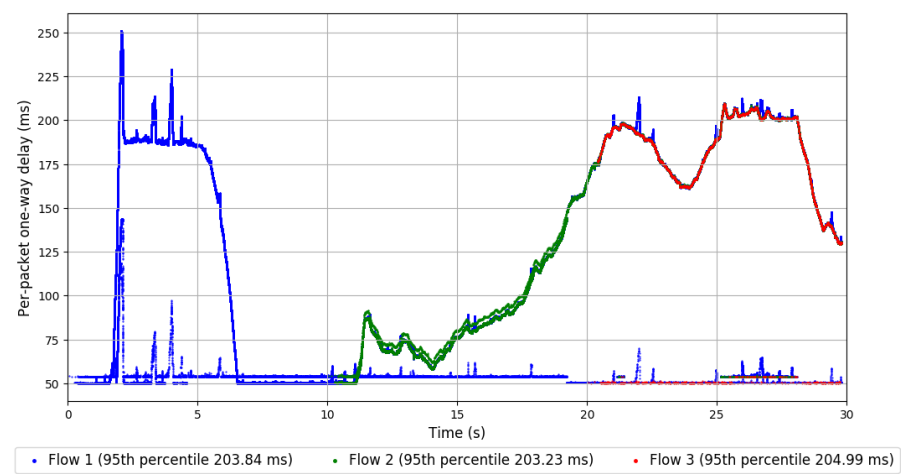
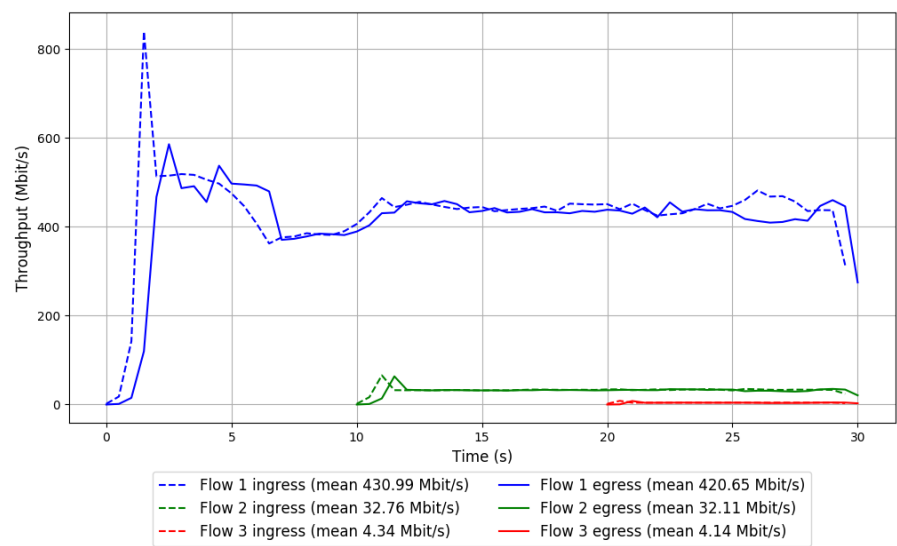


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-20 22:49:15
End at: 2018-07-20 22:49:45
Local clock offset: -0.078 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-21 02:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.30 Mbit/s
95th percentile per-packet one-way delay: 203.812 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 420.65 Mbit/s
95th percentile per-packet one-way delay: 203.839 ms
Loss rate: 2.74%
-- Flow 2:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 203.232 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 204.994 ms
Loss rate: 5.61%

Run 7: Report of PCC-Allegro — Data Link

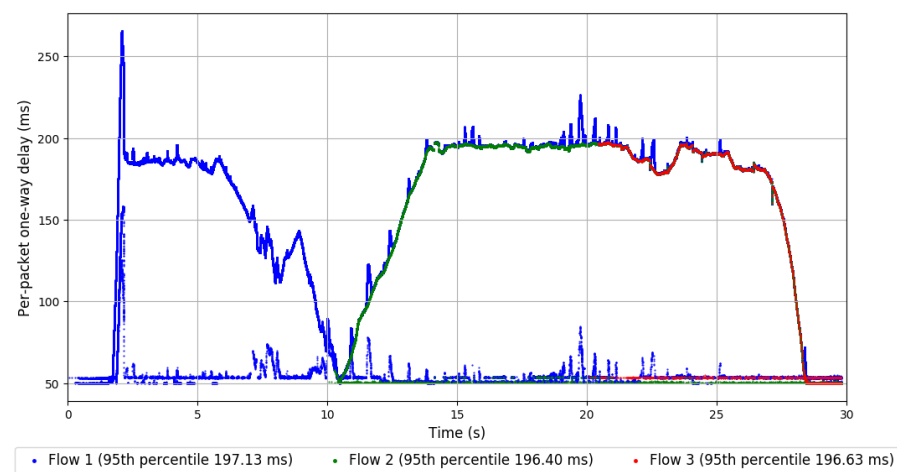
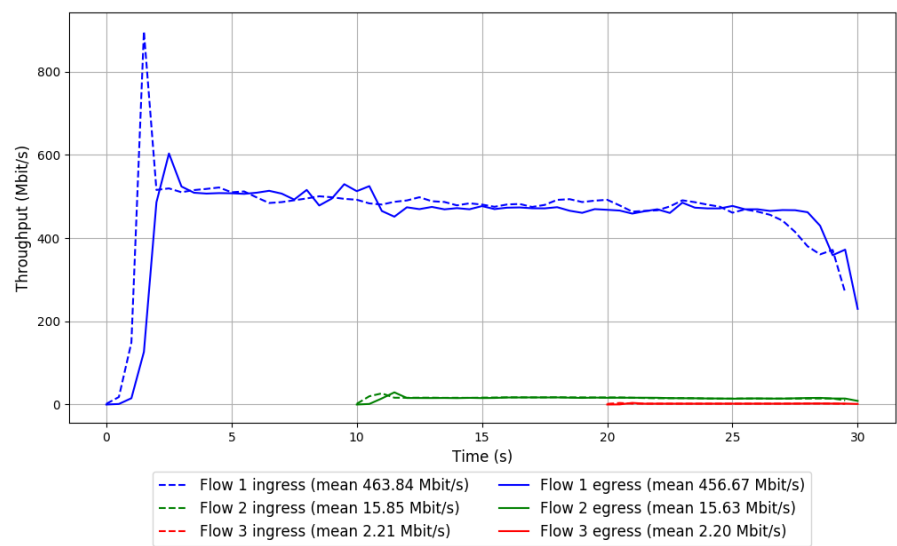


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-20 23:14:20
End at: 2018-07-20 23:14:50
Local clock offset: -0.207 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-21 02:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.77 Mbit/s
95th percentile per-packet one-way delay: 197.101 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 456.67 Mbit/s
95th percentile per-packet one-way delay: 197.134 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 196.404 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 196.634 ms
Loss rate: 1.84%

Run 8: Report of PCC-Allegro — Data Link

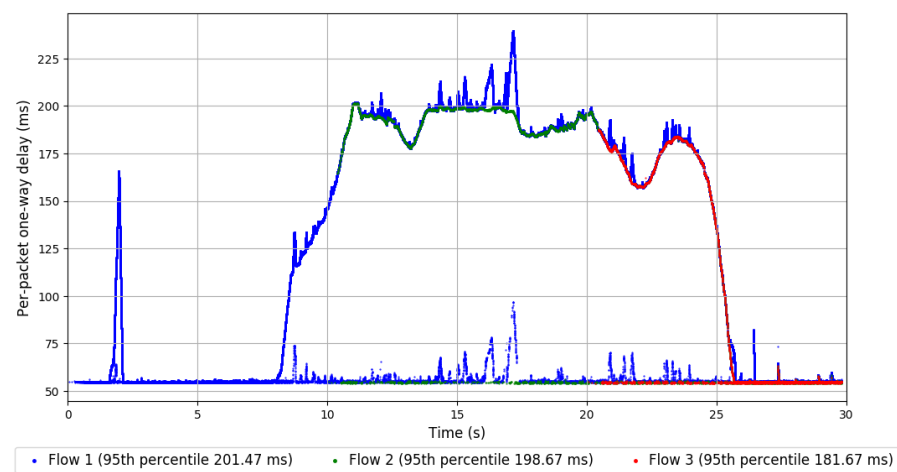
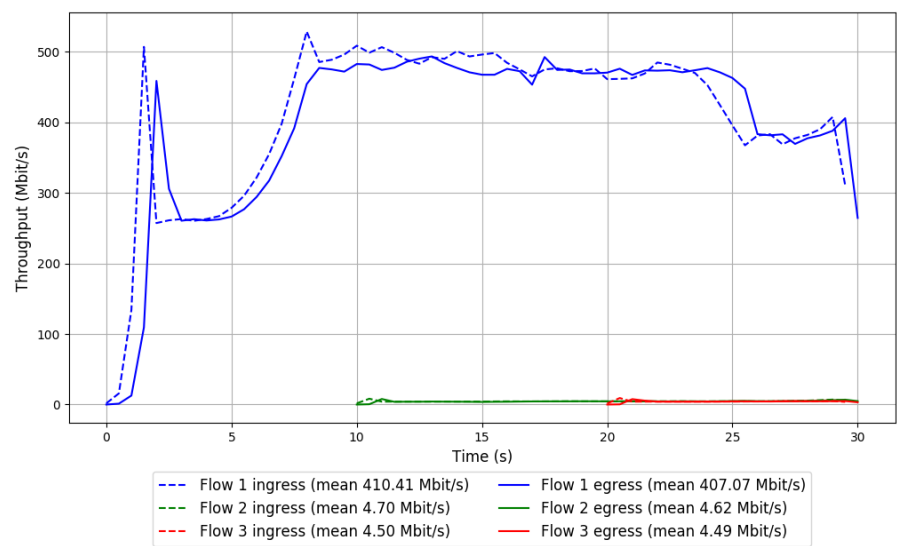


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-20 23:38:45
End at: 2018-07-20 23:39:15
Local clock offset: -0.416 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-07-21 02:41:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.60 Mbit/s
95th percentile per-packet one-way delay: 201.400 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 407.07 Mbit/s
95th percentile per-packet one-way delay: 201.467 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 198.669 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 181.671 ms
Loss rate: 1.25%

Run 9: Report of PCC-Allegro — Data Link

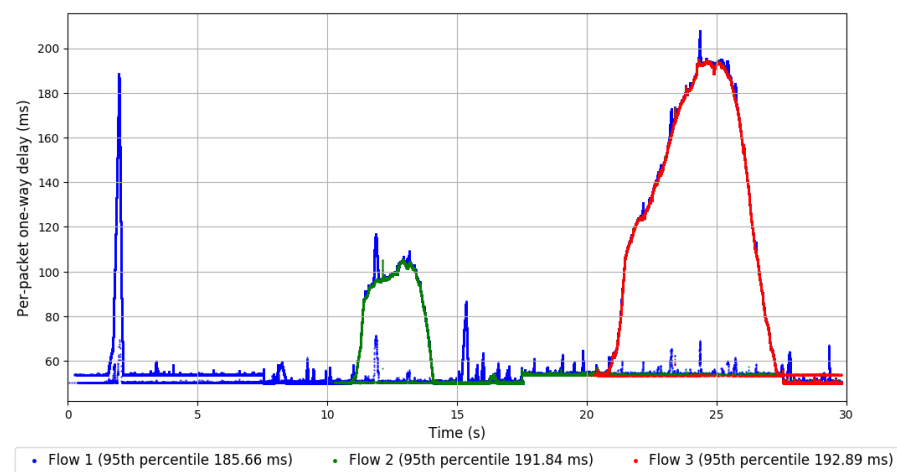
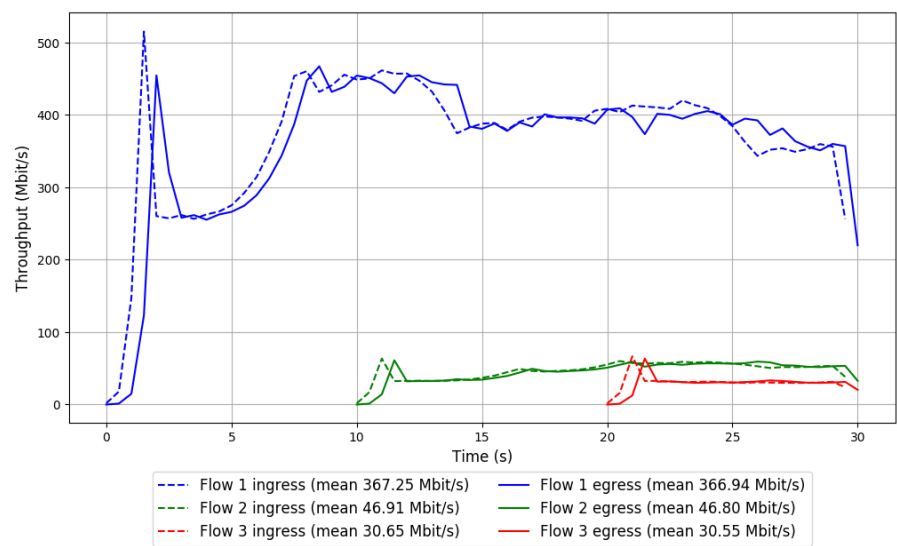


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-21 00:03:46
End at: 2018-07-21 00:04:16
Local clock offset: 0.055 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-21 02:41:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.00 Mbit/s
95th percentile per-packet one-way delay: 186.965 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 366.94 Mbit/s
95th percentile per-packet one-way delay: 185.660 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 191.837 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 192.891 ms
Loss rate: 1.38%

Run 10: Report of PCC-Allegro — Data Link

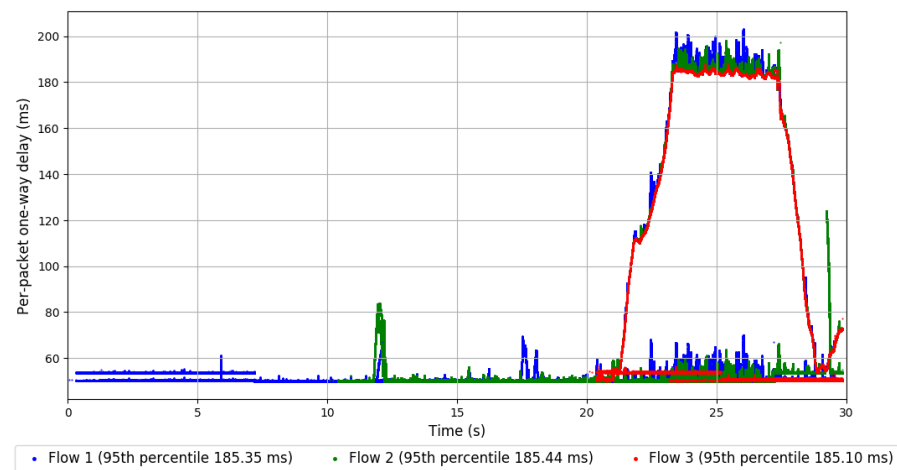
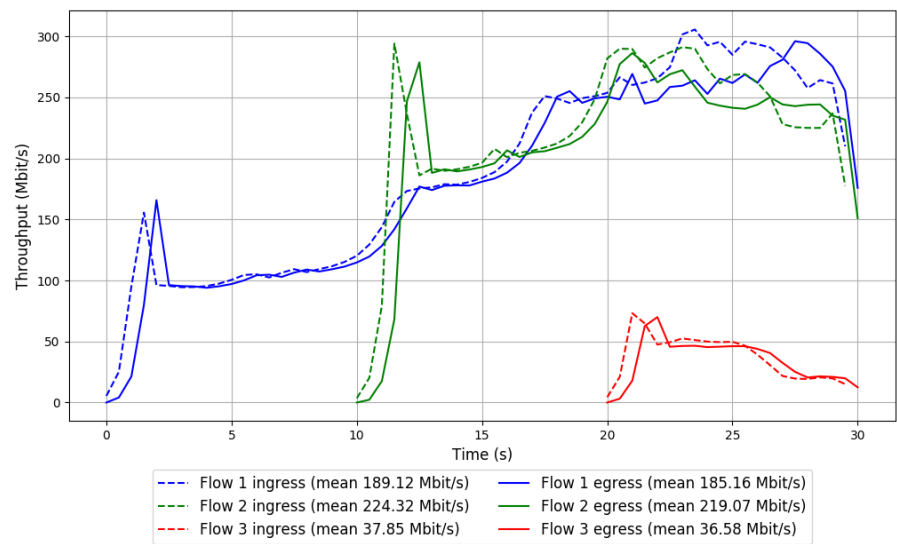


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-20 20:03:57
End at: 2018-07-20 20:04:27
Local clock offset: -0.101 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2018-07-21 02:45:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 342.37 Mbit/s
95th percentile per-packet one-way delay: 185.359 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 185.16 Mbit/s
95th percentile per-packet one-way delay: 185.351 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 219.07 Mbit/s
95th percentile per-packet one-way delay: 185.438 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 185.102 ms
Loss rate: 4.34%
```


Run 1: Report of PCC-Expr — Data Link

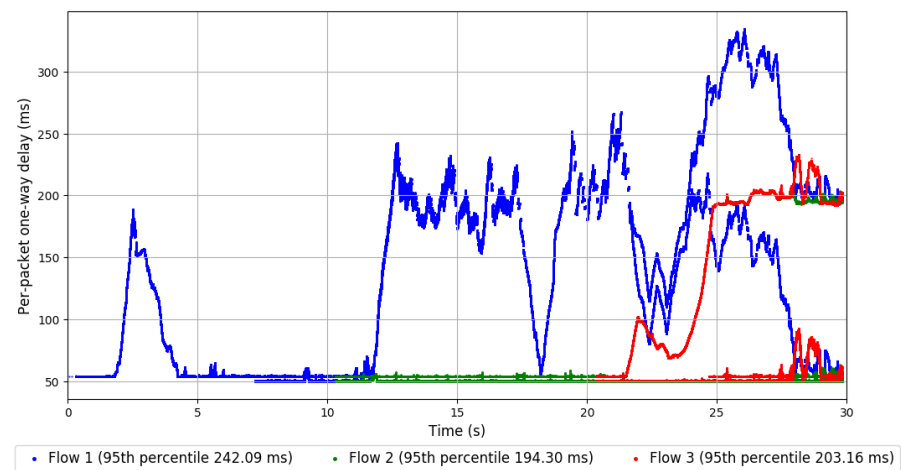
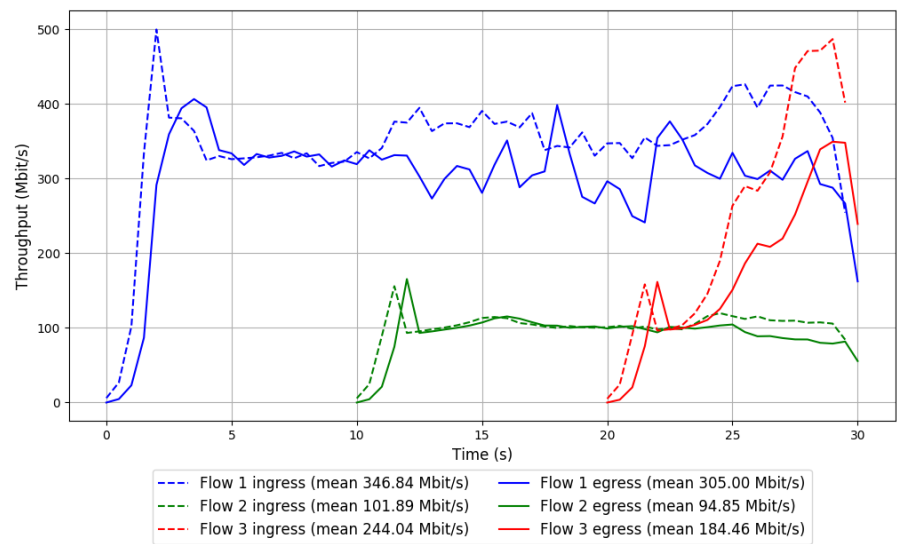


Run 2: Statistics of PCC-Expr

Start at: 2018-07-20 20:28:57
End at: 2018-07-20 20:29:27
Local clock offset: -0.097 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-21 02:50:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.44 Mbit/s
95th percentile per-packet one-way delay: 226.351 ms
Loss rate: 13.78%
-- Flow 1:
Average throughput: 305.00 Mbit/s
95th percentile per-packet one-way delay: 242.090 ms
Loss rate: 12.37%
-- Flow 2:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 194.296 ms
Loss rate: 7.40%
-- Flow 3:
Average throughput: 184.46 Mbit/s
95th percentile per-packet one-way delay: 203.156 ms
Loss rate: 25.20%

Run 2: Report of PCC-Expr — Data Link

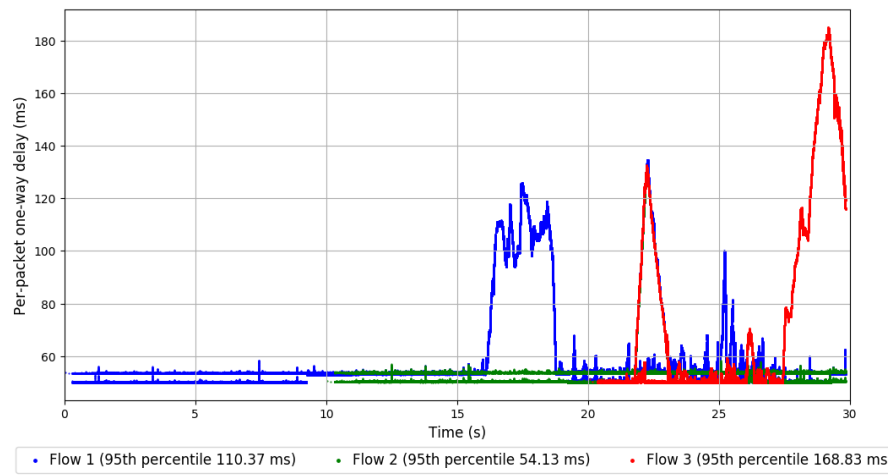
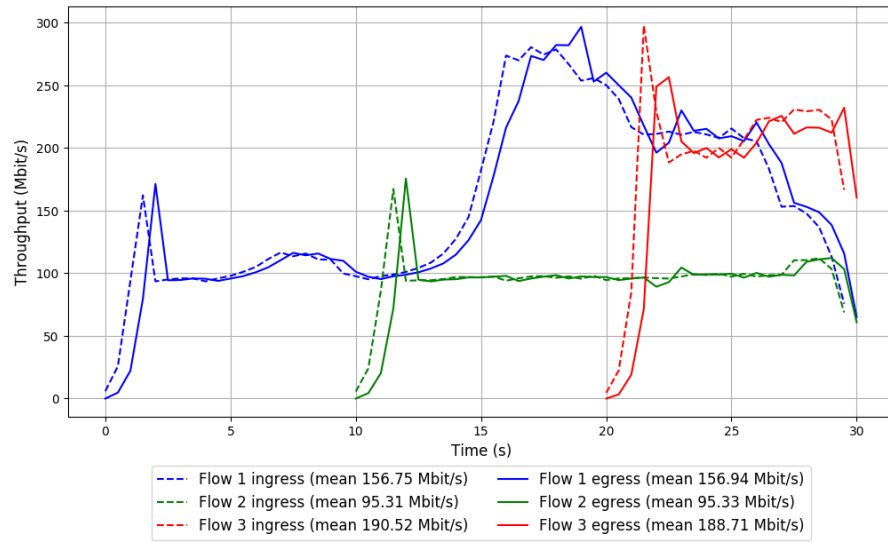


Run 3: Statistics of PCC-Expr

Start at: 2018-07-20 20:54:35
End at: 2018-07-20 20:55:05
Local clock offset: 0.17 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-21 02:50:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.14 Mbit/s
95th percentile per-packet one-way delay: 119.643 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 156.94 Mbit/s
95th percentile per-packet one-way delay: 110.367 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 54.132 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 188.71 Mbit/s
95th percentile per-packet one-way delay: 168.827 ms
Loss rate: 1.98%

Run 3: Report of PCC-Expr — Data Link

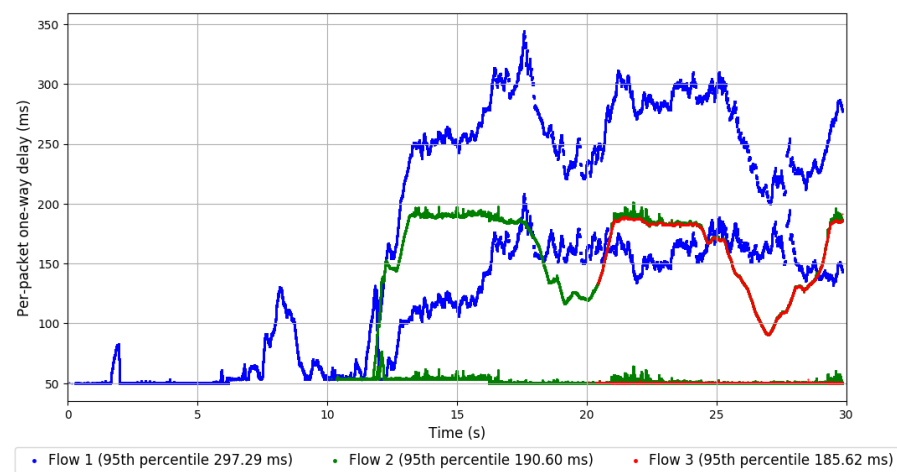
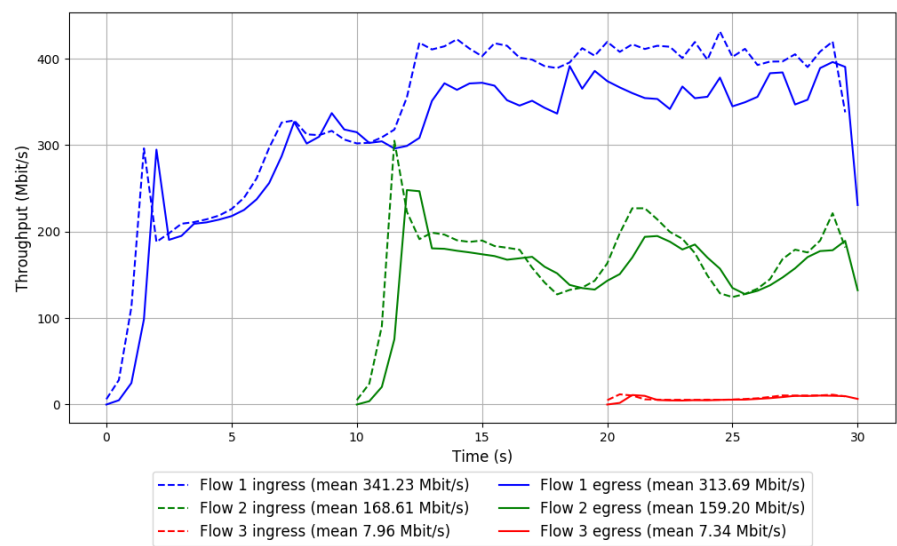


Run 4: Statistics of PCC-Expr

Start at: 2018-07-20 21:19:58
End at: 2018-07-20 21:20:28
Local clock offset: -0.017 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-21 02:51:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.73 Mbit/s
95th percentile per-packet one-way delay: 290.744 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 313.69 Mbit/s
95th percentile per-packet one-way delay: 297.293 ms
Loss rate: 8.38%
-- Flow 2:
Average throughput: 159.20 Mbit/s
95th percentile per-packet one-way delay: 190.602 ms
Loss rate: 6.09%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 185.625 ms
Loss rate: 8.65%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-20 21:45:06

End at: 2018-07-20 21:45:36

Local clock offset: 0.111 ms

Remote clock offset: 1.383 ms

Below is generated by plot.py at 2018-07-21 02:51:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.62 Mbit/s

95th percentile per-packet one-way delay: 98.943 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 219.60 Mbit/s

95th percentile per-packet one-way delay: 114.243 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 99.12 Mbit/s

95th percentile per-packet one-way delay: 56.645 ms

Loss rate: 0.70%

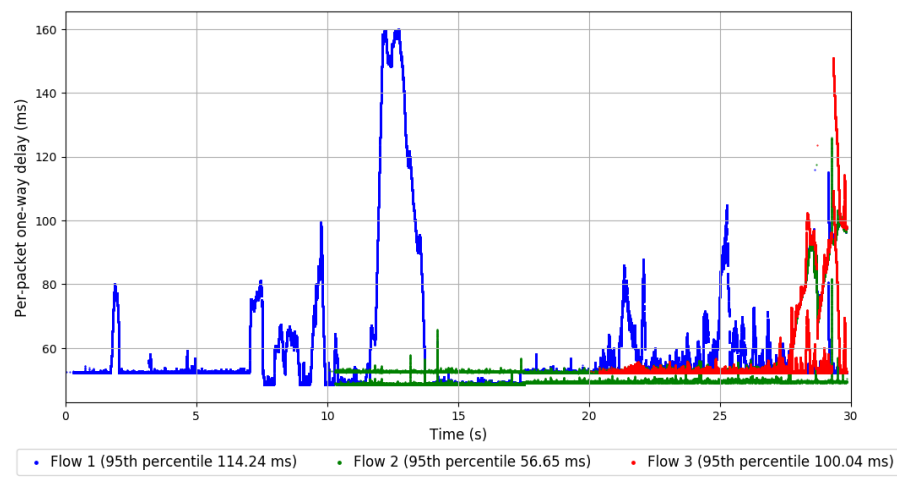
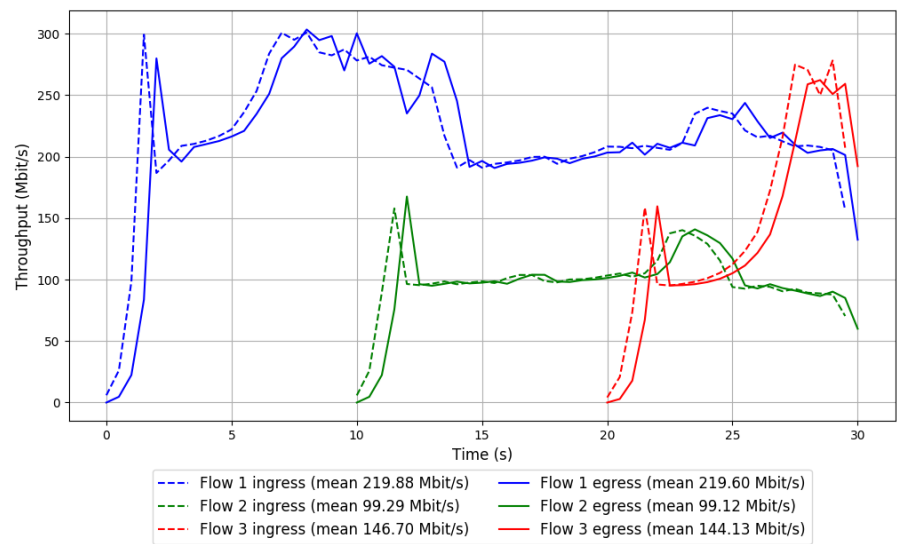
-- Flow 3:

Average throughput: 144.13 Mbit/s

95th percentile per-packet one-way delay: 100.039 ms

Loss rate: 2.81%

Run 5: Report of PCC-Expr — Data Link

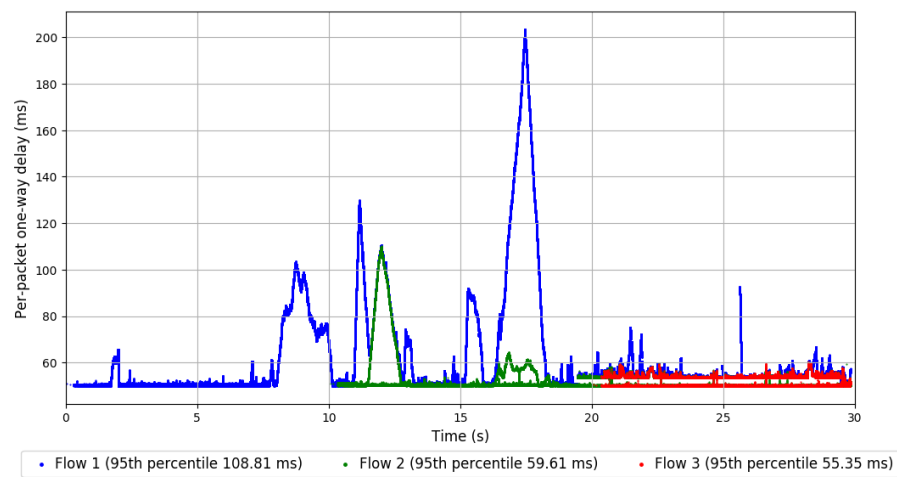
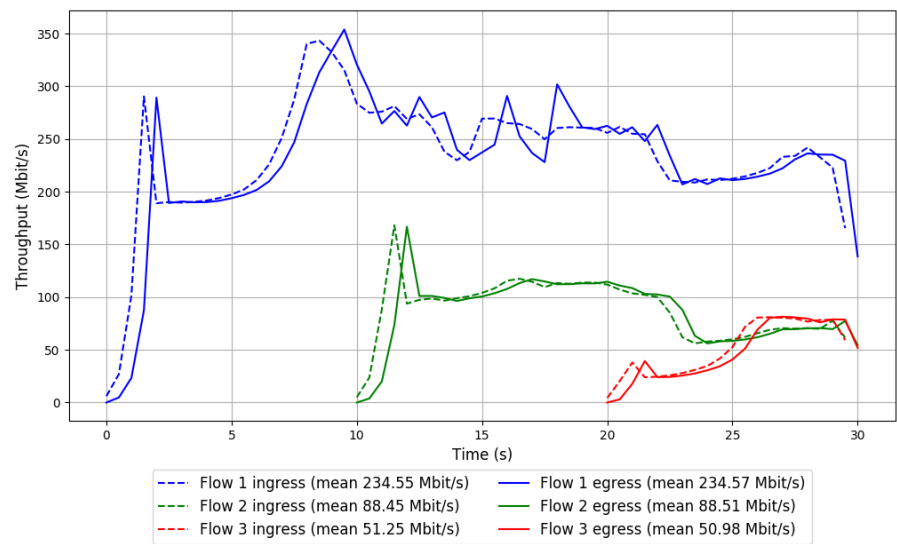


Run 6: Statistics of PCC-Expr

Start at: 2018-07-20 22:10:05
End at: 2018-07-20 22:10:35
Local clock offset: -0.153 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-21 02:51:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.04 Mbit/s
95th percentile per-packet one-way delay: 102.084 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 234.57 Mbit/s
95th percentile per-packet one-way delay: 108.807 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 59.607 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 55.352 ms
Loss rate: 1.56%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-20 22:35:01

End at: 2018-07-20 22:35:31

Local clock offset: -0.234 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-07-21 02:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.81 Mbit/s

95th percentile per-packet one-way delay: 298.946 ms

Loss rate: 9.33%

-- Flow 1:

Average throughput: 246.04 Mbit/s

95th percentile per-packet one-way delay: 309.752 ms

Loss rate: 9.63%

-- Flow 2:

Average throughput: 115.47 Mbit/s

95th percentile per-packet one-way delay: 199.915 ms

Loss rate: 8.36%

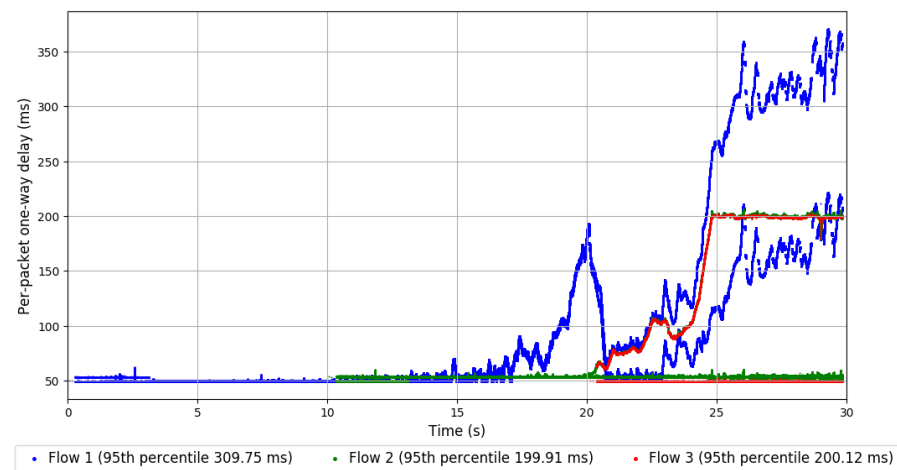
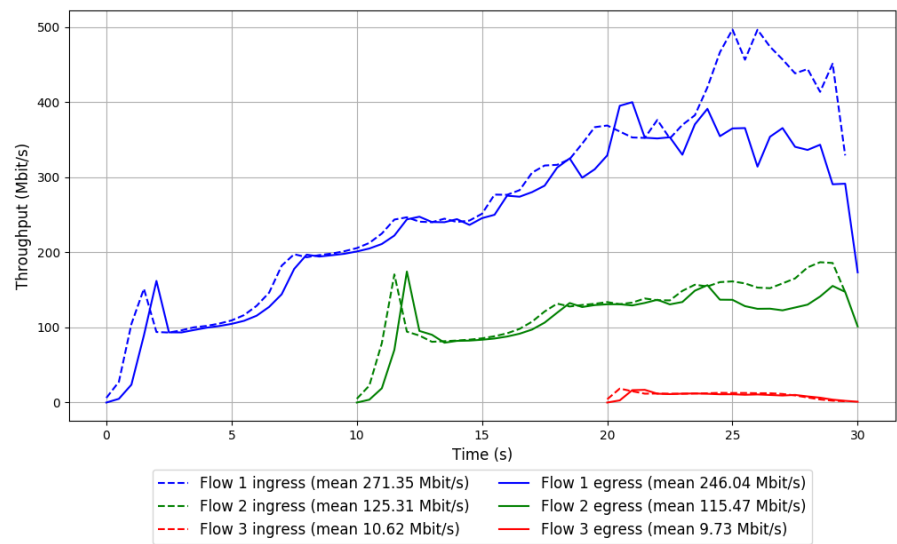
-- Flow 3:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 200.121 ms

Loss rate: 9.24%

Run 7: Report of PCC-Expr — Data Link

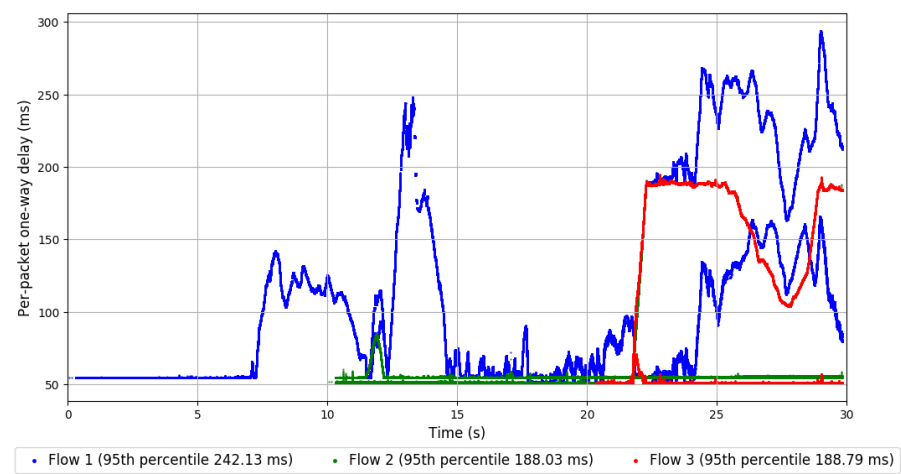
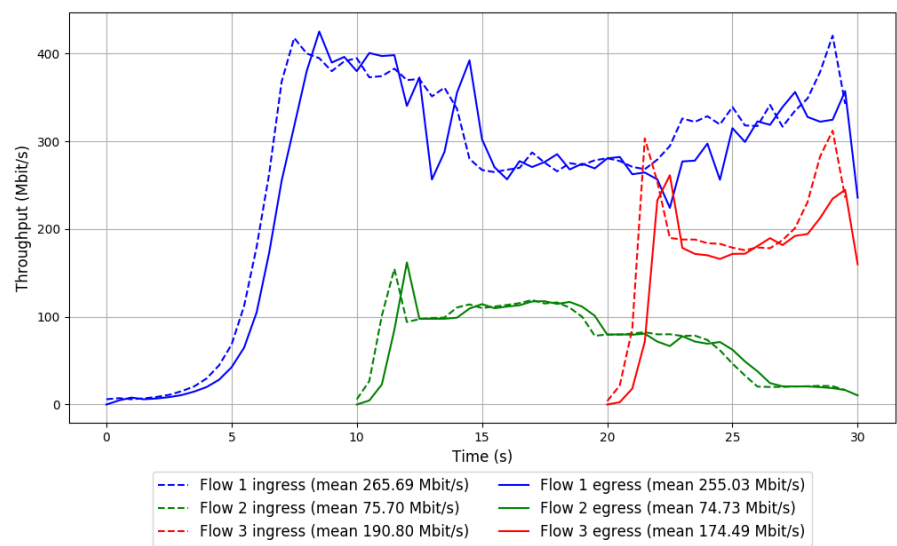


Run 8: Statistics of PCC-Expr

Start at: 2018-07-20 22:59:56
End at: 2018-07-20 23:00:26
Local clock offset: -0.379 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-07-21 02:57:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.86 Mbit/s
95th percentile per-packet one-way delay: 232.316 ms
Loss rate: 4.87%
-- Flow 1:
Average throughput: 255.03 Mbit/s
95th percentile per-packet one-way delay: 242.129 ms
Loss rate: 4.35%
-- Flow 2:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 188.033 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 174.49 Mbit/s
95th percentile per-packet one-way delay: 188.792 ms
Loss rate: 9.50%

Run 8: Report of PCC-Expr — Data Link

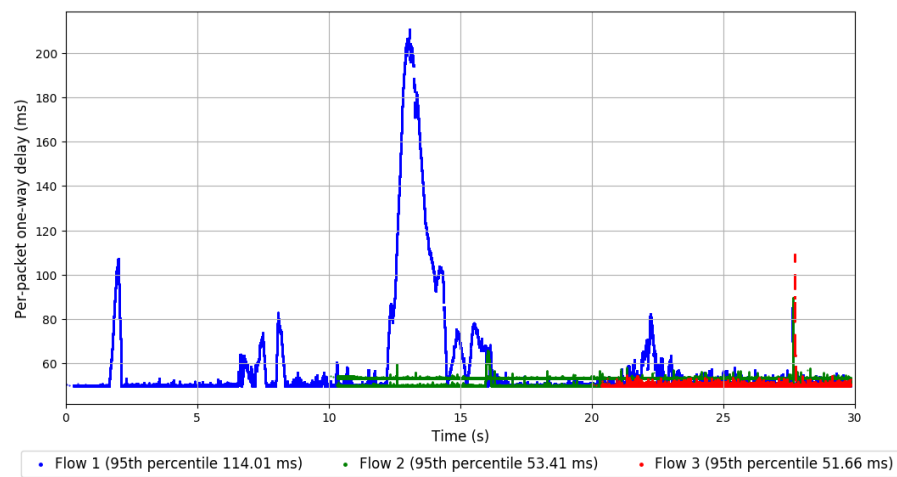
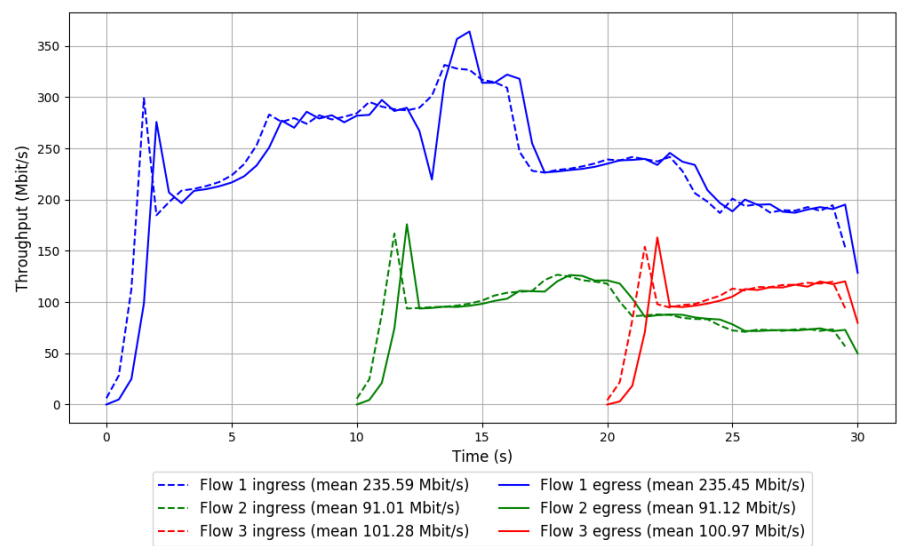


Run 9: Statistics of PCC-Expr

Start at: 2018-07-20 23:24:54
End at: 2018-07-20 23:25:24
Local clock offset: -0.267 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-21 02:58:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.01 Mbit/s
95th percentile per-packet one-way delay: 101.832 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 235.45 Mbit/s
95th percentile per-packet one-way delay: 114.006 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 53.415 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 100.97 Mbit/s
95th percentile per-packet one-way delay: 51.656 ms
Loss rate: 1.32%

Run 9: Report of PCC-Expr — Data Link

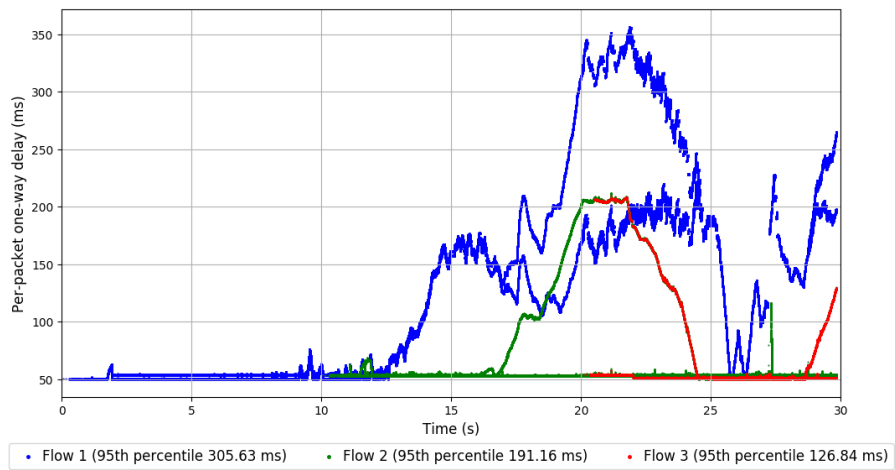
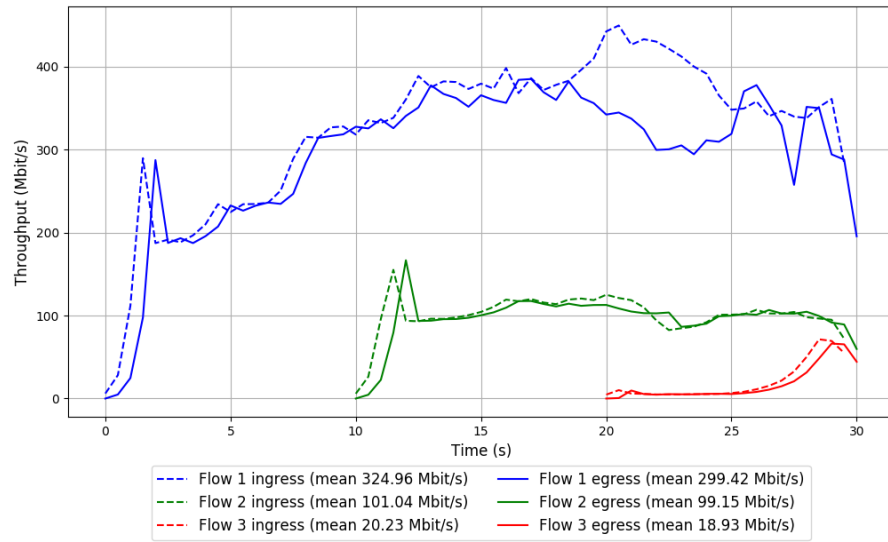


Run 10: Statistics of PCC-Expr

Start at: 2018-07-20 23:49:32
End at: 2018-07-20 23:50:02
Local clock offset: -0.148 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-21 03:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.44 Mbit/s
95th percentile per-packet one-way delay: 279.197 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 299.42 Mbit/s
95th percentile per-packet one-way delay: 305.635 ms
Loss rate: 8.17%
-- Flow 2:
Average throughput: 99.15 Mbit/s
95th percentile per-packet one-way delay: 191.161 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 18.93 Mbit/s
95th percentile per-packet one-way delay: 126.843 ms
Loss rate: 7.45%

Run 10: Report of PCC-Expr — Data Link

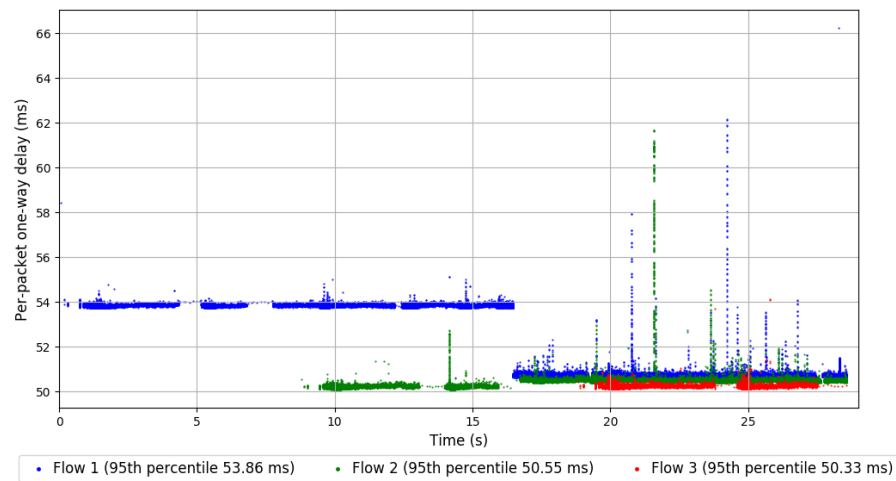
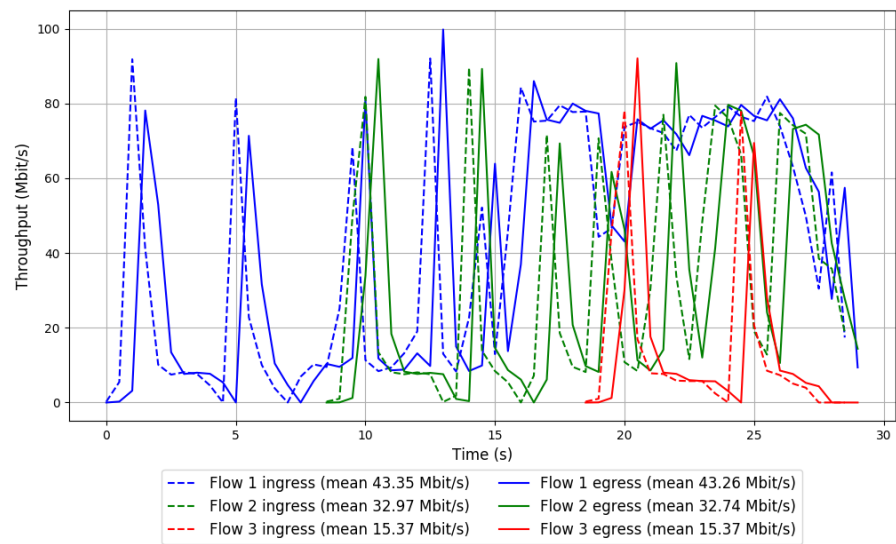


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-20 20:23:46
End at: 2018-07-20 20:24:16
Local clock offset: -0.077 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.24 Mbit/s
95th percentile per-packet one-way delay: 53.836 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 53.858 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 50.554 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 15.37 Mbit/s
95th percentile per-packet one-way delay: 50.334 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-20 20:49:20

End at: 2018-07-20 20:49:50

Local clock offset: -0.169 ms

Remote clock offset: 1.359 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.46 Mbit/s

95th percentile per-packet one-way delay: 48.613 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 43.14 Mbit/s

95th percentile per-packet one-way delay: 48.640 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 48.556 ms

Loss rate: 1.04%

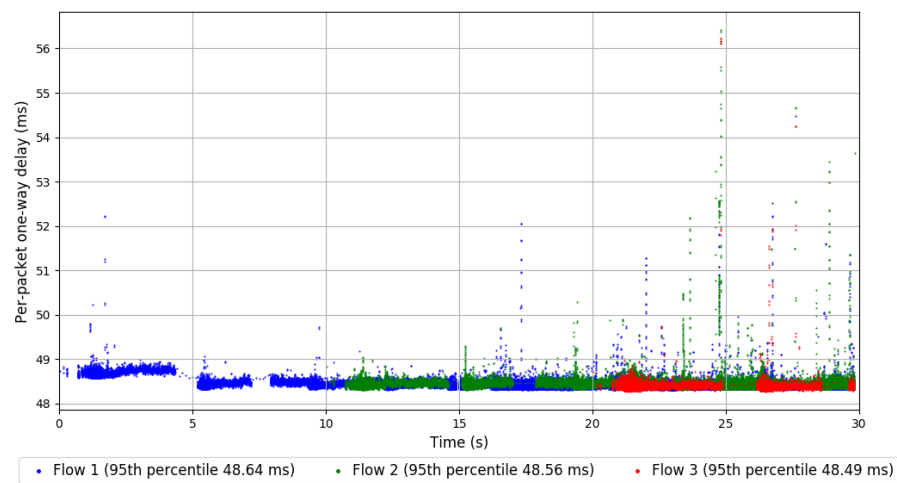
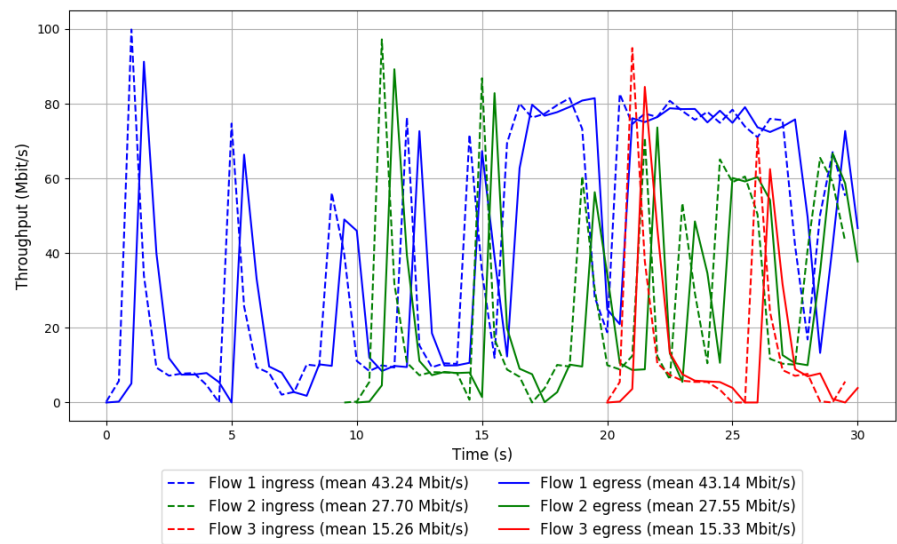
-- Flow 3:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 48.493 ms

Loss rate: 0.57%

Run 2: Report of QUIC Cubic — Data Link

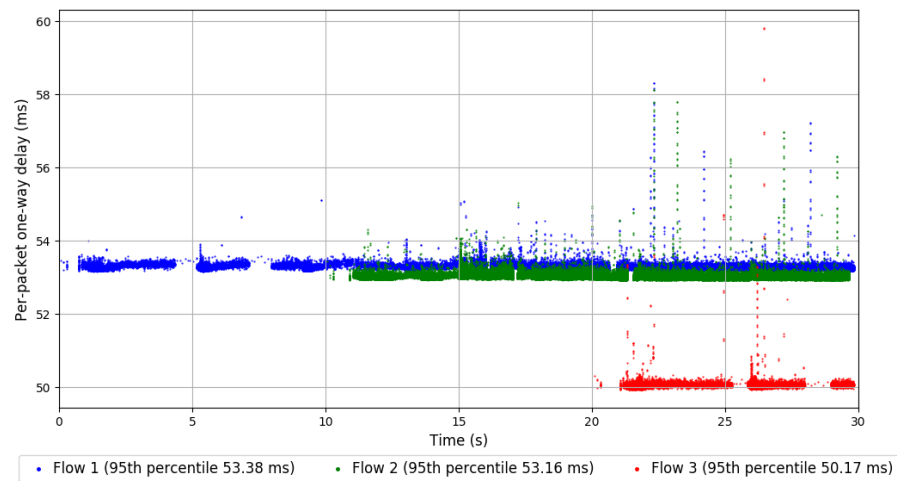
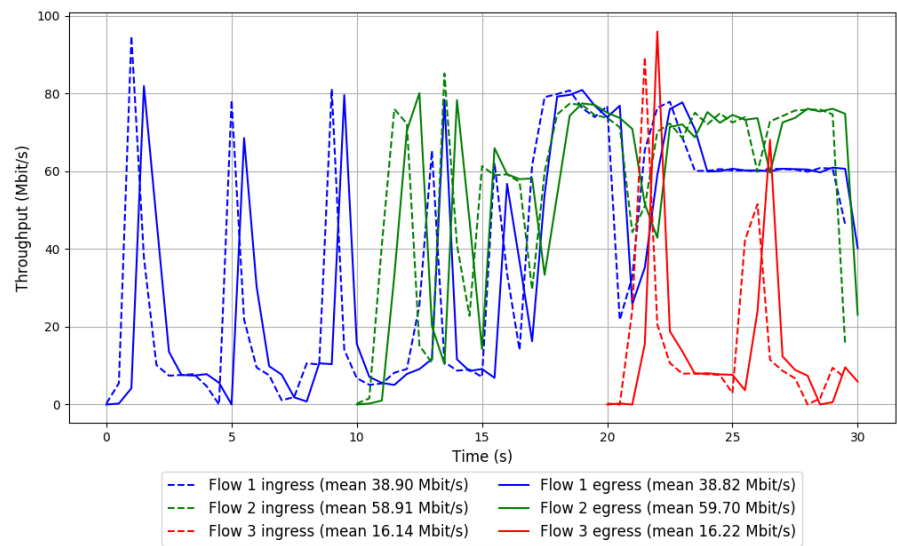


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-20 21:14:41
End at: 2018-07-20 21:15:11
Local clock offset: -0.059 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 53.349 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 53.385 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 53.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.22 Mbit/s
95th percentile per-packet one-way delay: 50.172 ms
Loss rate: 0.56%

Run 3: Report of QUIC Cubic — Data Link

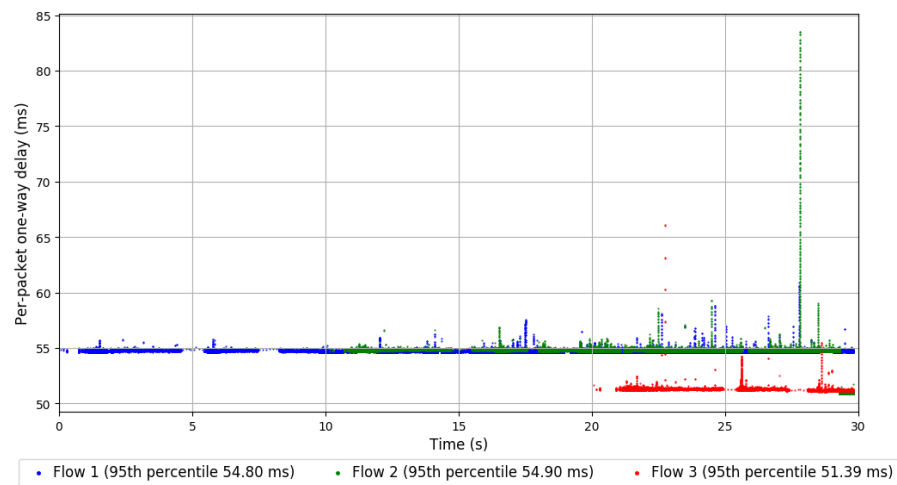
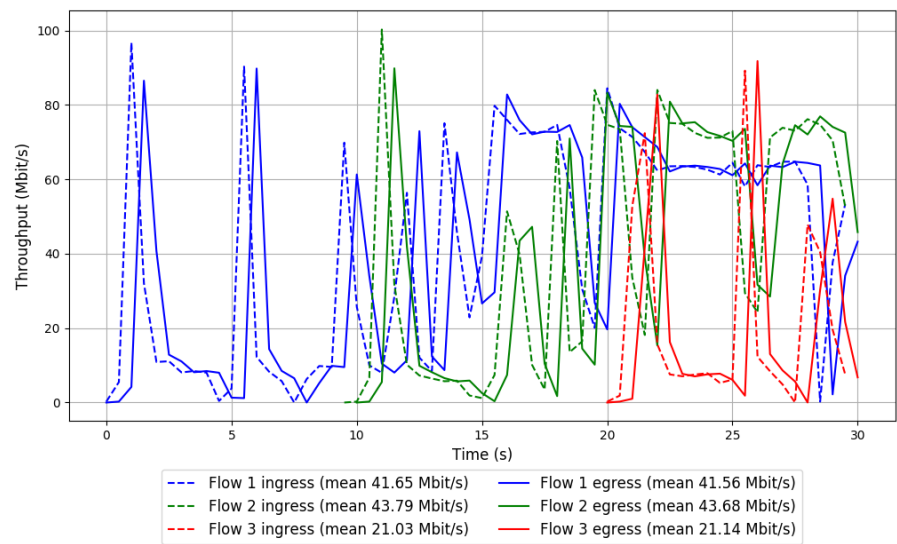


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-20 21:39:55
End at: 2018-07-20 21:40:25
Local clock offset: -0.24 ms
Remote clock offset: -1.316 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 54.855 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 41.56 Mbit/s
95th percentile per-packet one-way delay: 54.795 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 54.901 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 51.388 ms
Loss rate: 0.47%

Run 4: Report of QUIC Cubic — Data Link

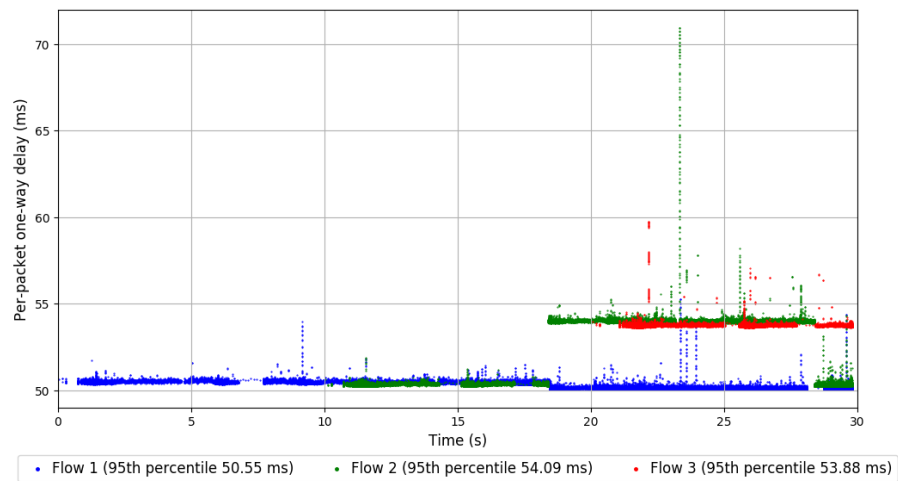
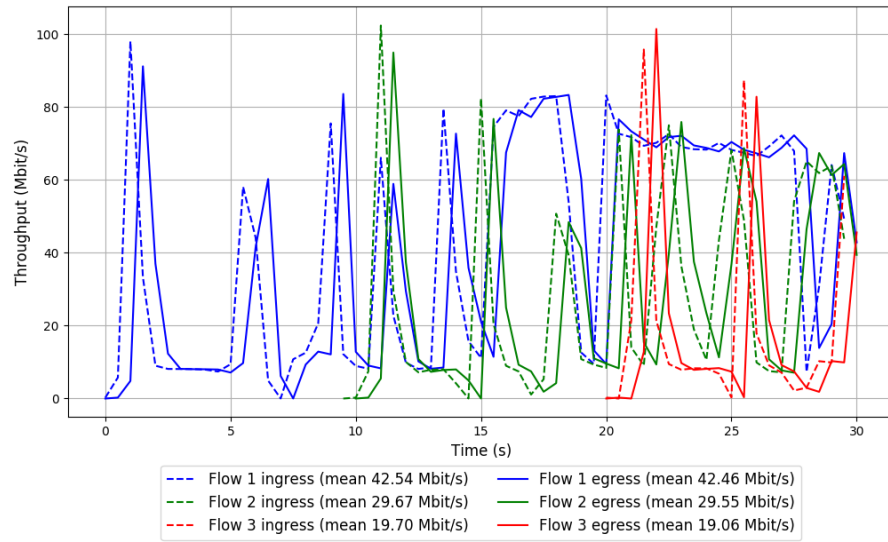


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-20 22:04:56
End at: 2018-07-20 22:05:26
Local clock offset: 0.096 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 54.026 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 54.095 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 53.879 ms
Loss rate: 4.28%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-20 22:29:42

End at: 2018-07-20 22:30:12

Local clock offset: -0.288 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 50.055 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 46.80 Mbit/s

95th percentile per-packet one-way delay: 49.902 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 50.047 ms

Loss rate: 1.21%

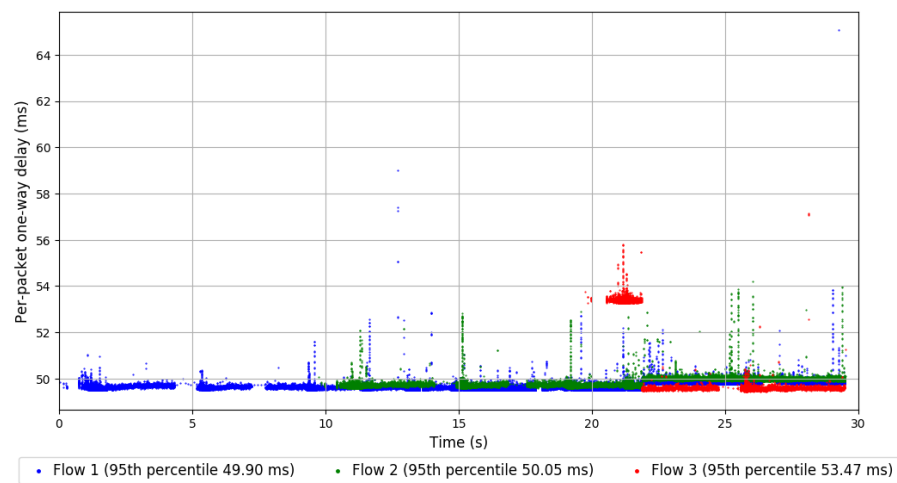
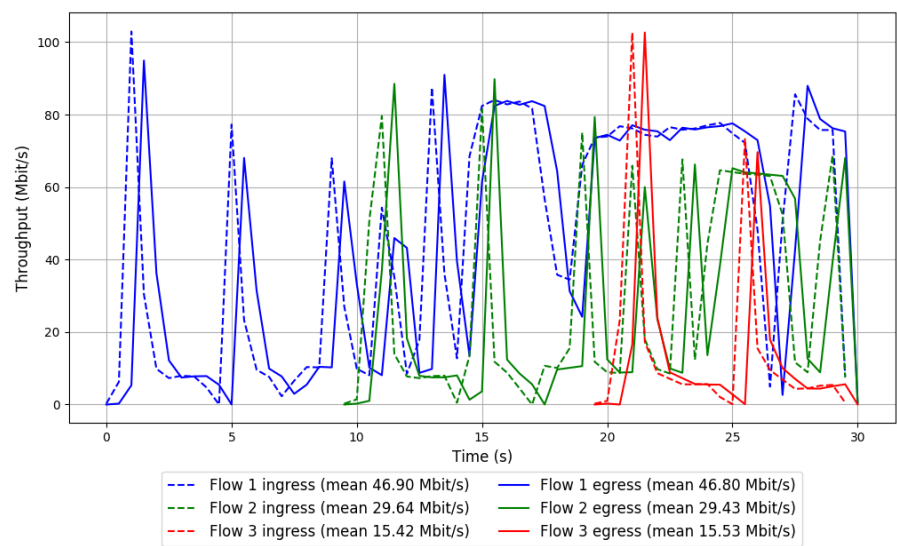
-- Flow 3:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 53.468 ms

Loss rate: 0.33%

Run 6: Report of QUIC Cubic — Data Link

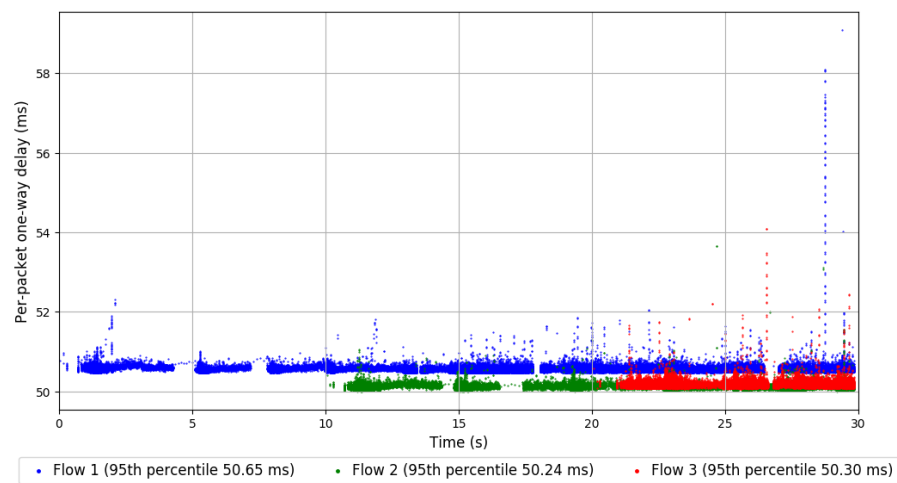
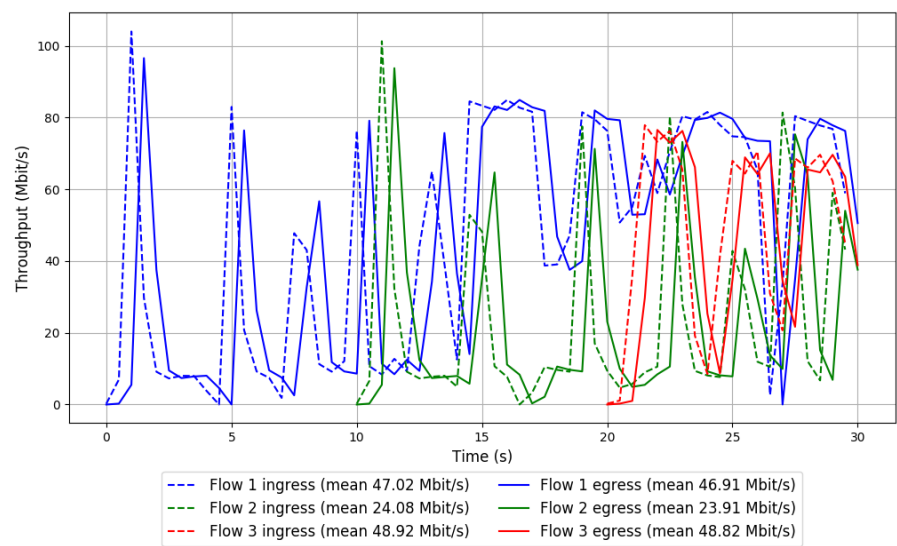


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-20 22:54:42
End at: 2018-07-20 22:55:12
Local clock offset: -0.02 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: 50.630 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 50.651 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 50.237 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 50.303 ms
Loss rate: 1.24%

Run 7: Report of QUIC Cubic — Data Link

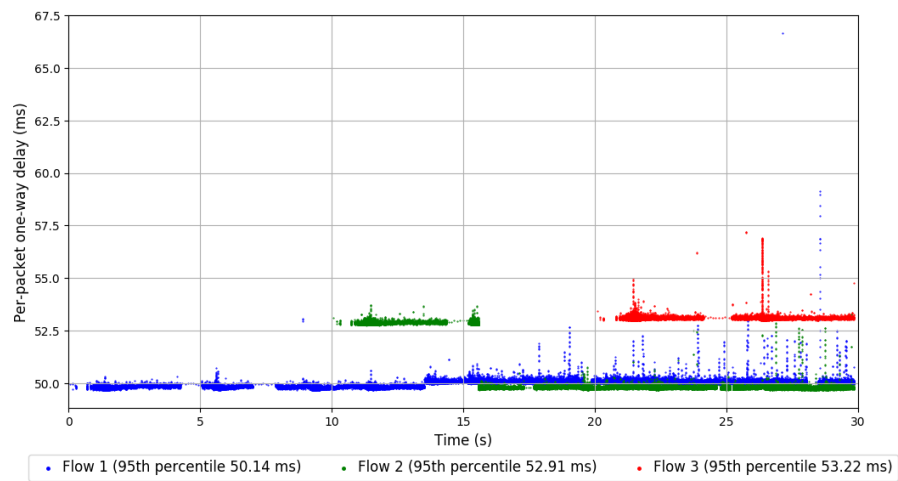
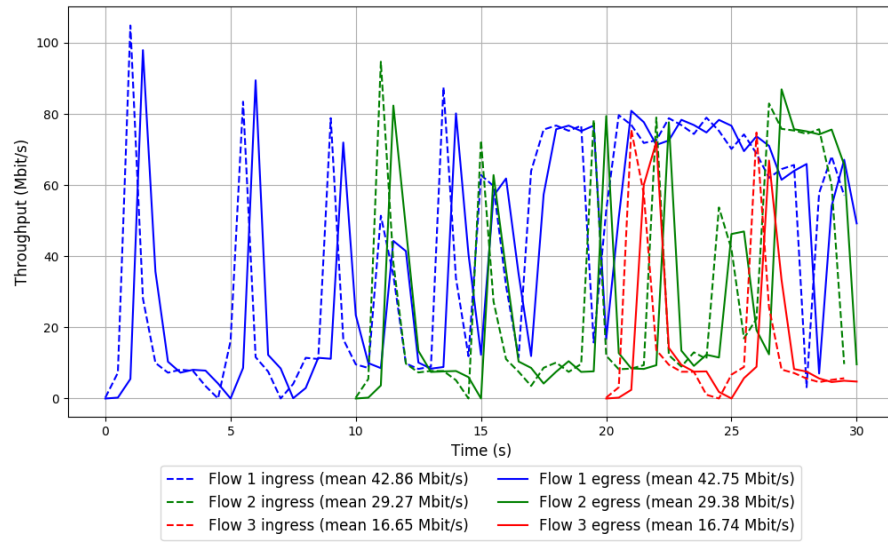


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-20 23:19:48
End at: 2018-07-20 23:20:18
Local clock offset: -0.373 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 53.079 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 50.136 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 29.38 Mbit/s
95th percentile per-packet one-way delay: 52.906 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 53.224 ms
Loss rate: 0.50%

Run 8: Report of QUIC Cubic — Data Link

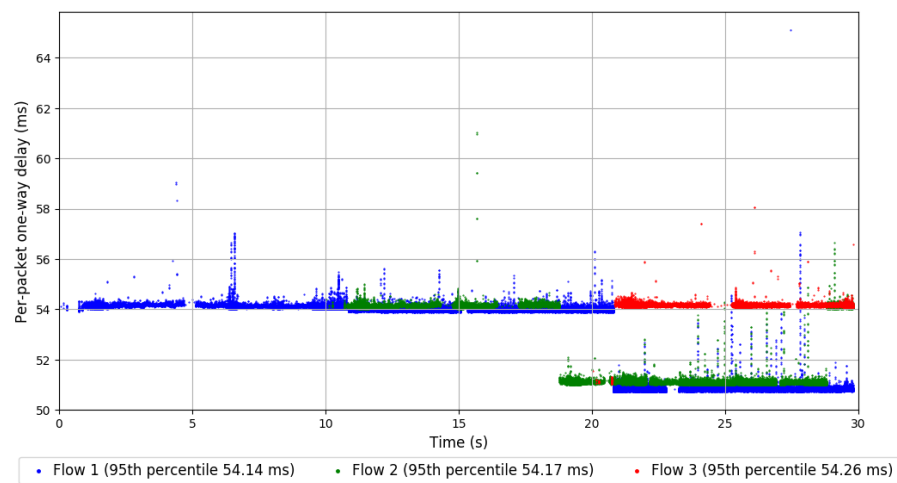
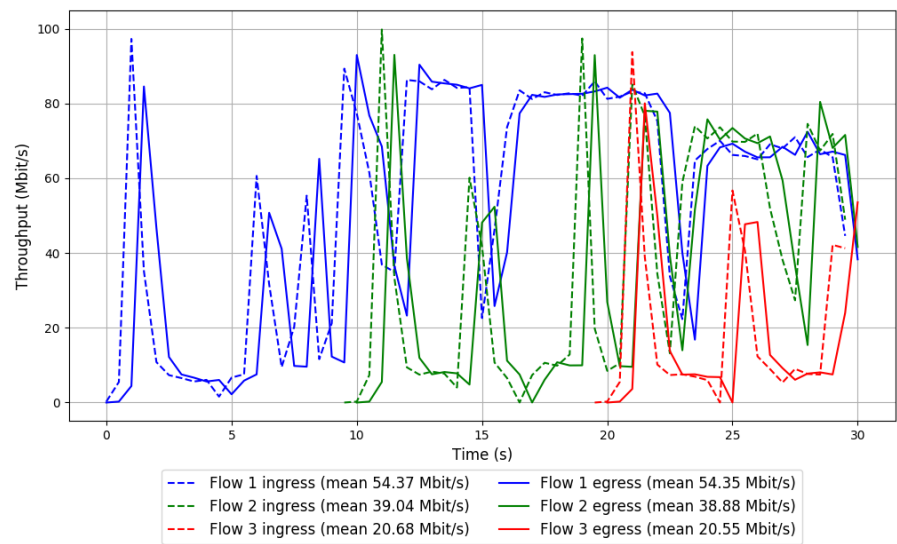


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-20 23:44:13
End at: 2018-07-20 23:44:43
Local clock offset: 0.165 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.93 Mbit/s
95th percentile per-packet one-way delay: 54.181 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 54.143 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 54.173 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 54.255 ms
Loss rate: 1.64%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-21 00:09:12

End at: 2018-07-21 00:09:42

Local clock offset: -0.126 ms

Remote clock offset: 1.263 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.99 Mbit/s

95th percentile per-packet one-way delay: 52.155 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 45.64 Mbit/s

95th percentile per-packet one-way delay: 49.377 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 28.90 Mbit/s

95th percentile per-packet one-way delay: 52.218 ms

Loss rate: 1.24%

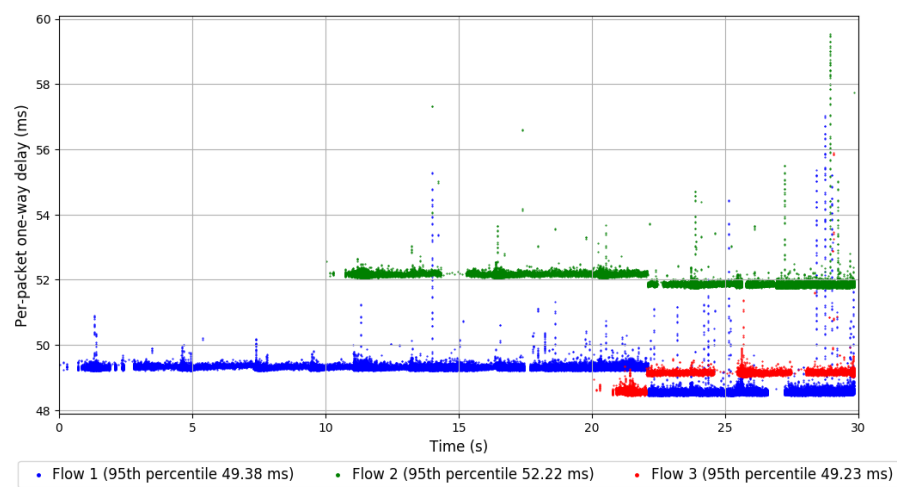
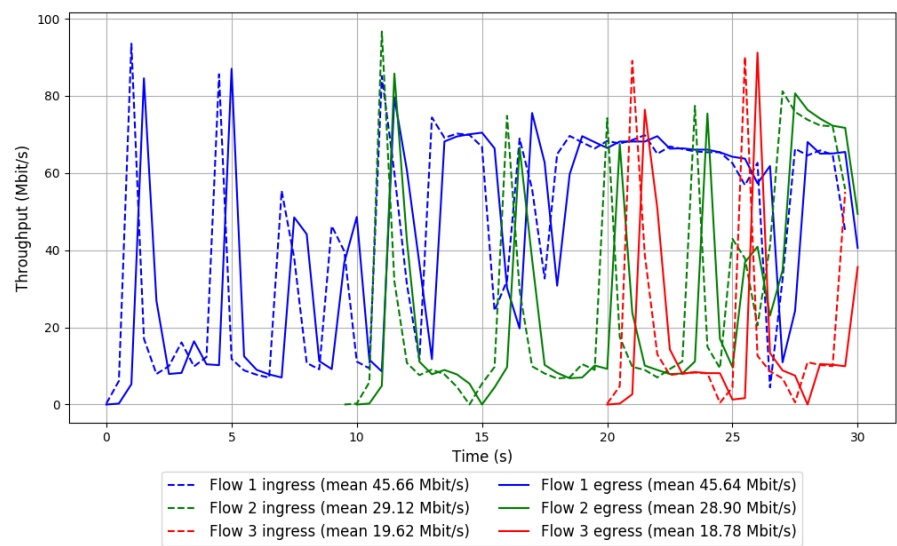
-- Flow 3:

Average throughput: 18.78 Mbit/s

95th percentile per-packet one-way delay: 49.227 ms

Loss rate: 5.28%

Run 10: Report of QUIC Cubic — Data Link

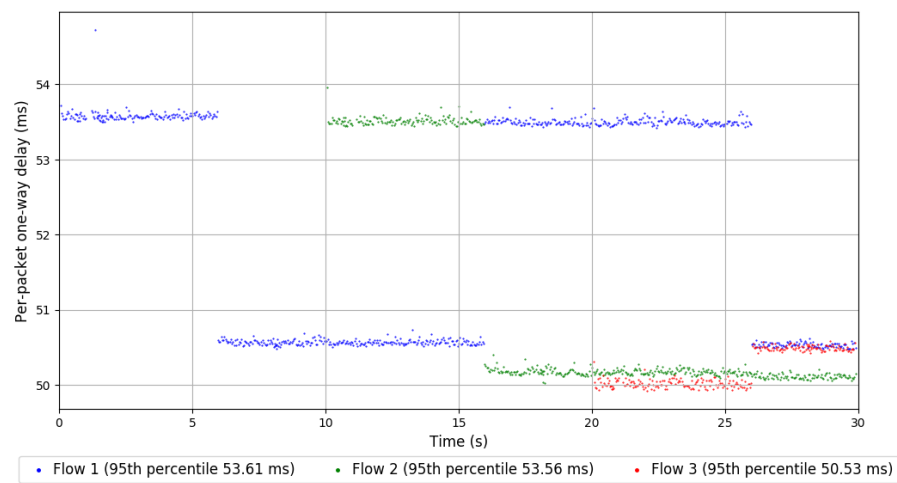
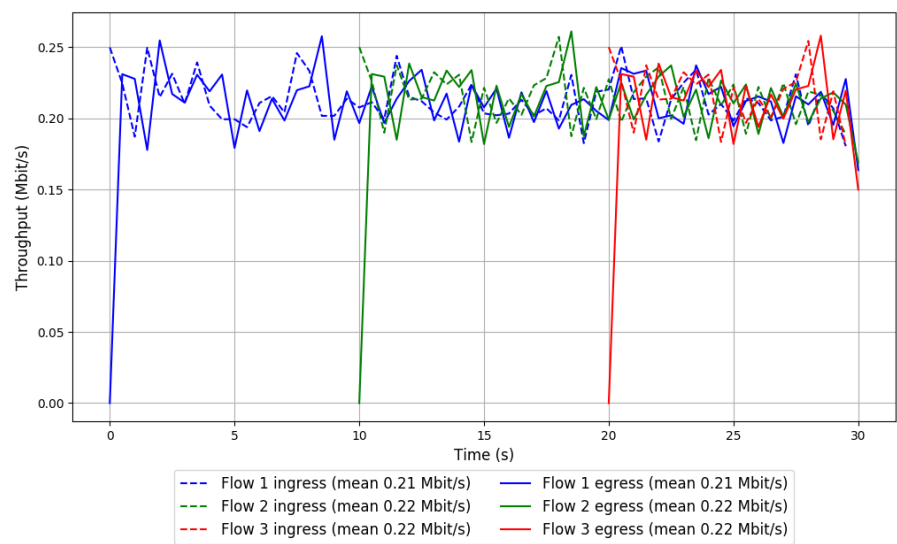


```
Run 1: Statistics of SReAM

Start at: 2018-07-20 20:22:38
End at: 2018-07-20 20:23:08
Local clock offset: -0.188 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-07-21 03:02:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.583 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.606 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.557 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.534 ms
Loss rate: 1.09%
```


Run 1: Report of SReAM — Data Link

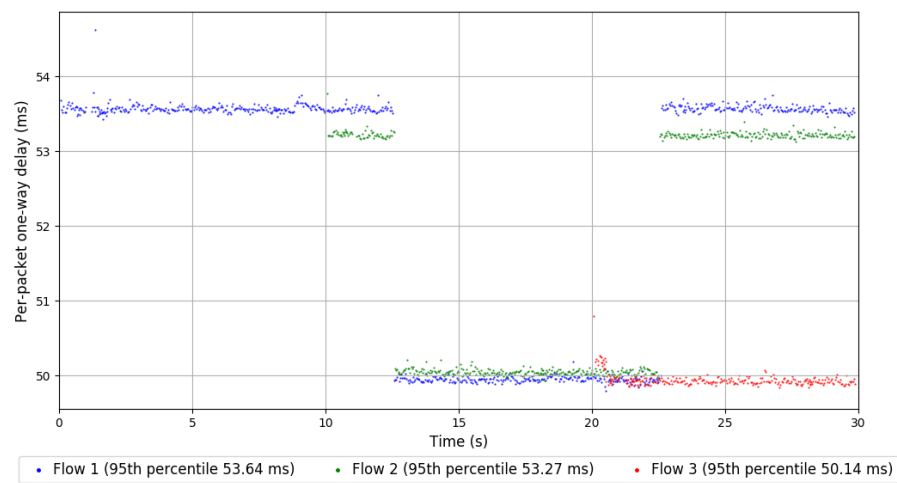
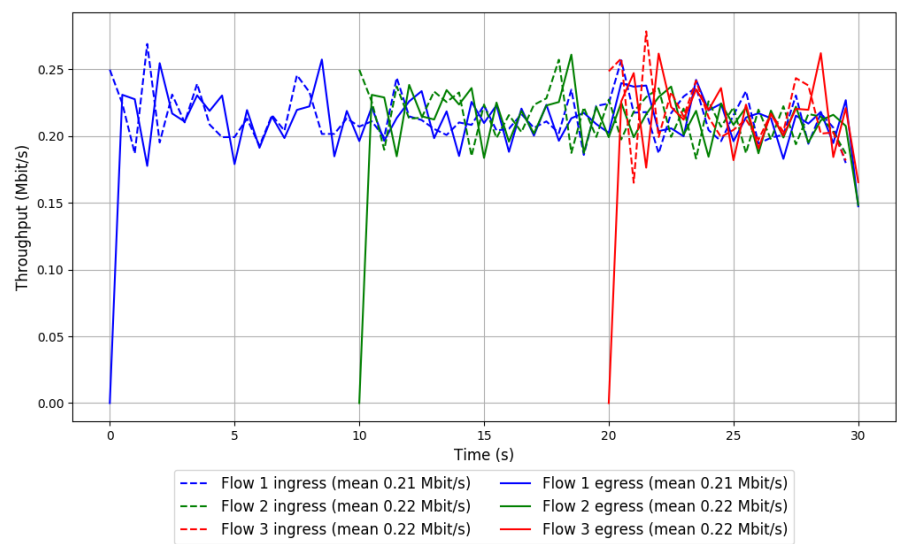


Run 2: Statistics of SReAM

Start at: 2018-07-20 20:48:11
End at: 2018-07-20 20:48:41
Local clock offset: -0.212 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.613 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.640 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.268 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.141 ms
Loss rate: 0.73%

Run 2: Report of SReAM — Data Link

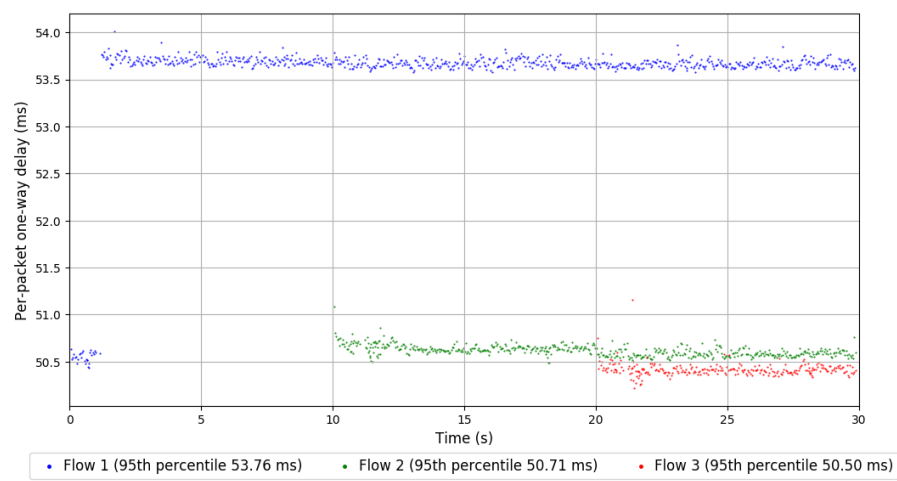
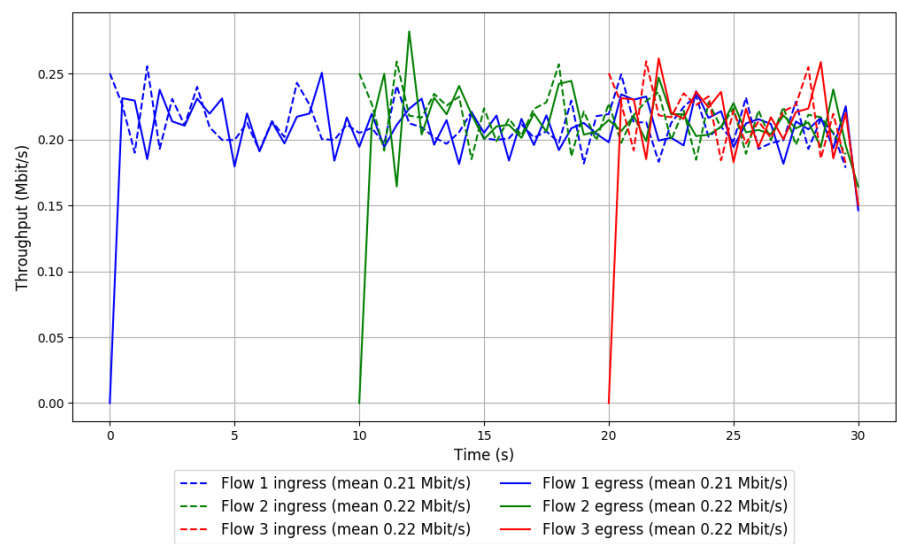


Run 3: Statistics of SReAM

Start at: 2018-07-20 21:13:33
End at: 2018-07-20 21:14:03
Local clock offset: 0.155 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.741 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.761 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.713 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 1.08%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-20 21:38:46

End at: 2018-07-20 21:39:16

Local clock offset: 0.201 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.131 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.508 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.662 ms

Loss rate: 0.62%

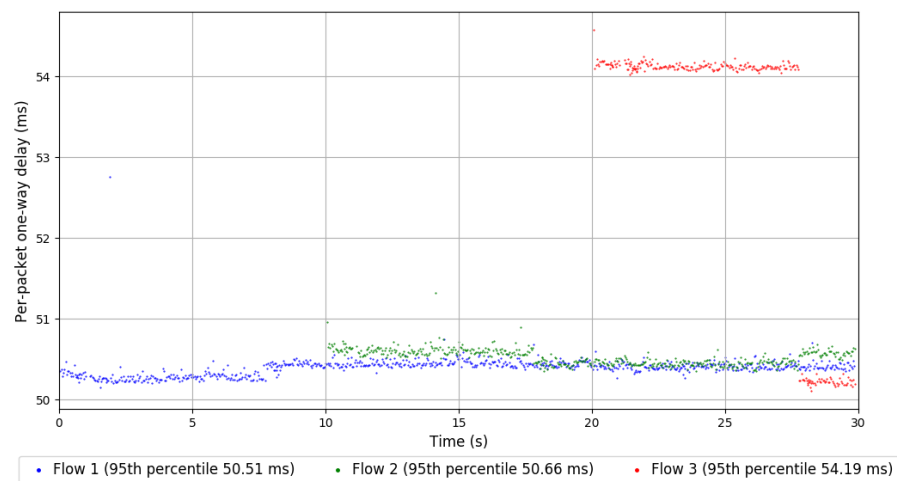
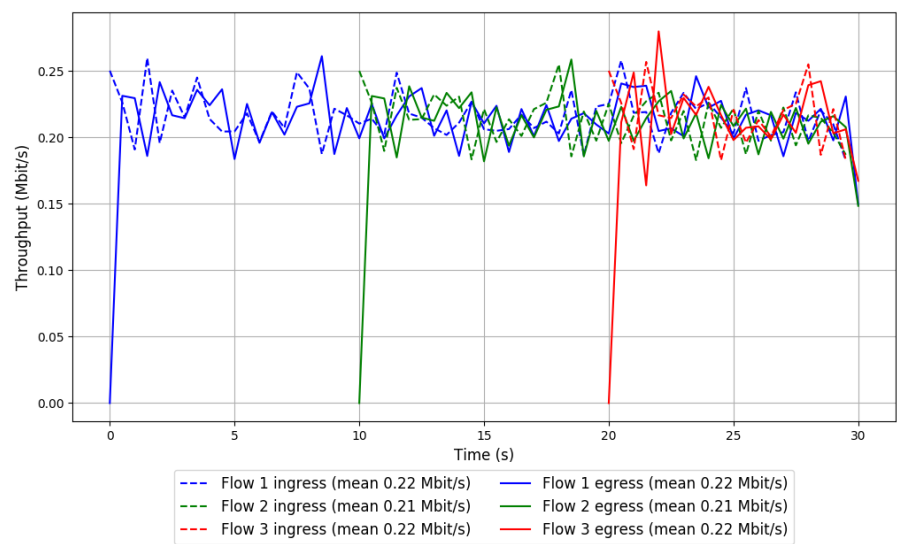
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.190 ms

Loss rate: 1.10%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-20 22:03:47

End at: 2018-07-20 22:04:17

Local clock offset: -0.137 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.025 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.849 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.044 ms

Loss rate: 0.61%

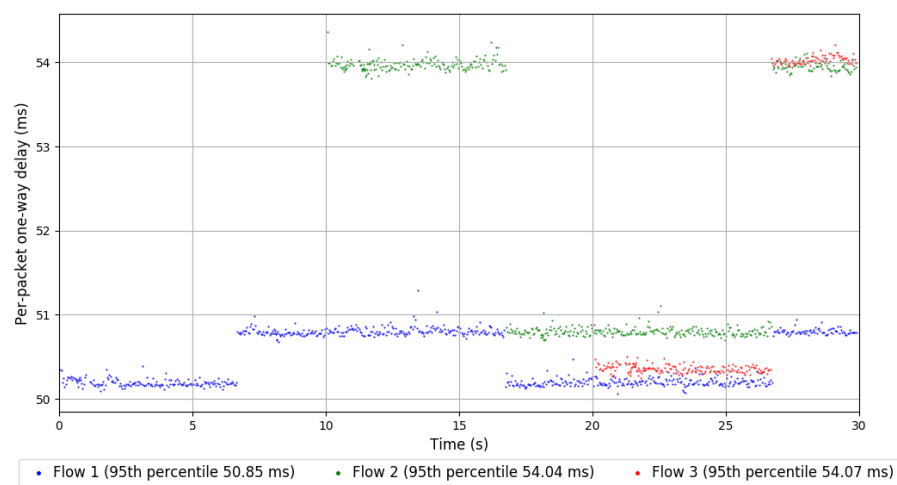
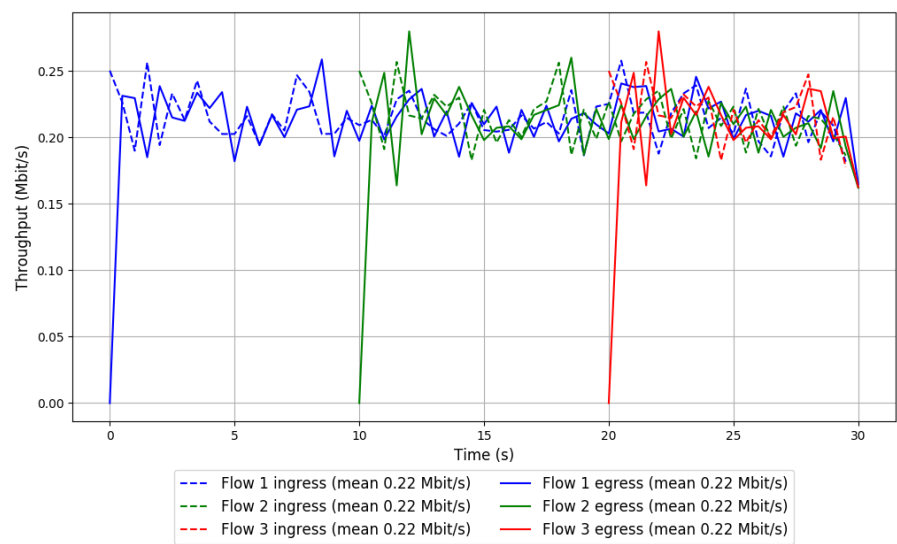
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.073 ms

Loss rate: 1.07%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-20 22:28:34

End at: 2018-07-20 22:29:04

Local clock offset: -0.183 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.335 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.136 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.078 ms

Loss rate: 0.62%

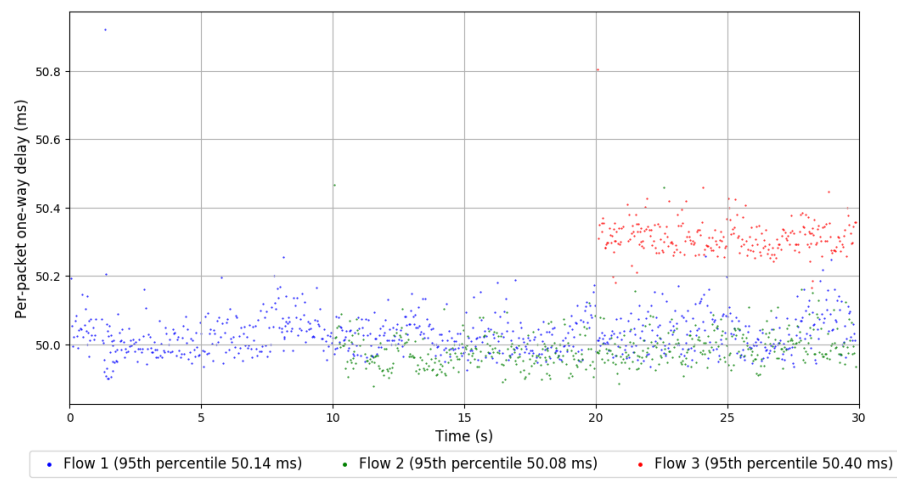
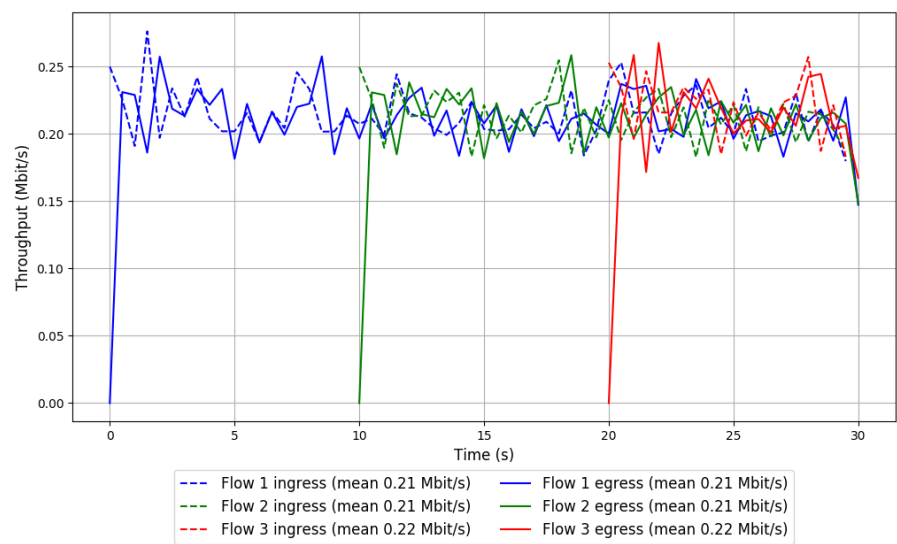
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.395 ms

Loss rate: 1.09%

Run 6: Report of SCReAM — Data Link

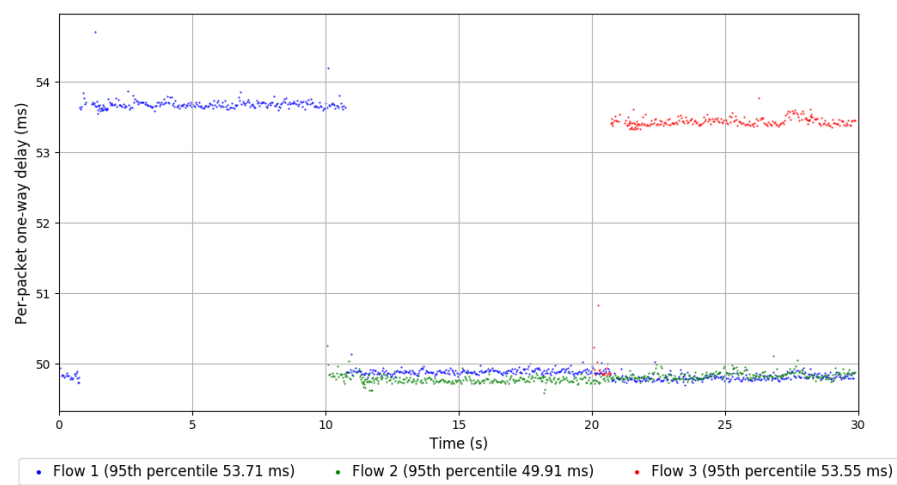
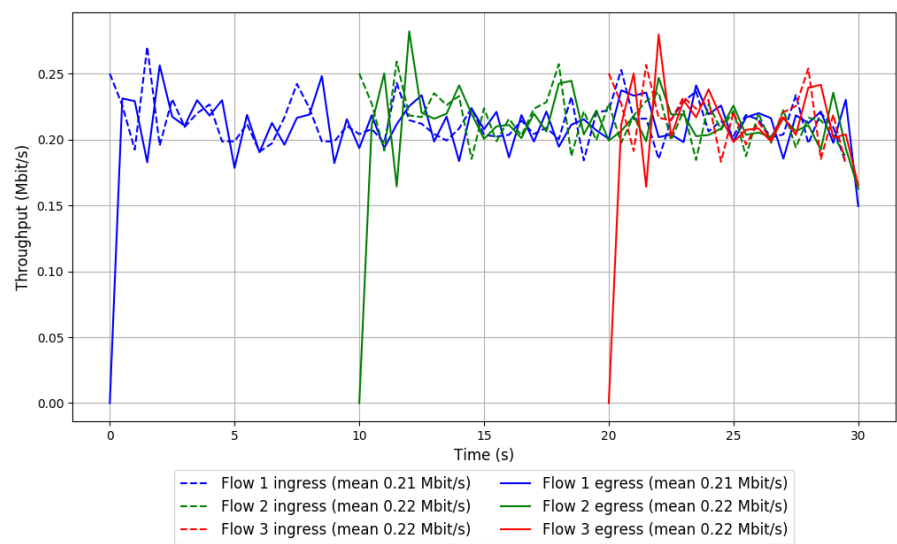


Run 7: Statistics of SReAM

Start at: 2018-07-20 22:53:33
End at: 2018-07-20 22:54:03
Local clock offset: -0.352 ms
Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.698 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.714 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.914 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 1.08%

Run 7: Report of SCRaM — Data Link

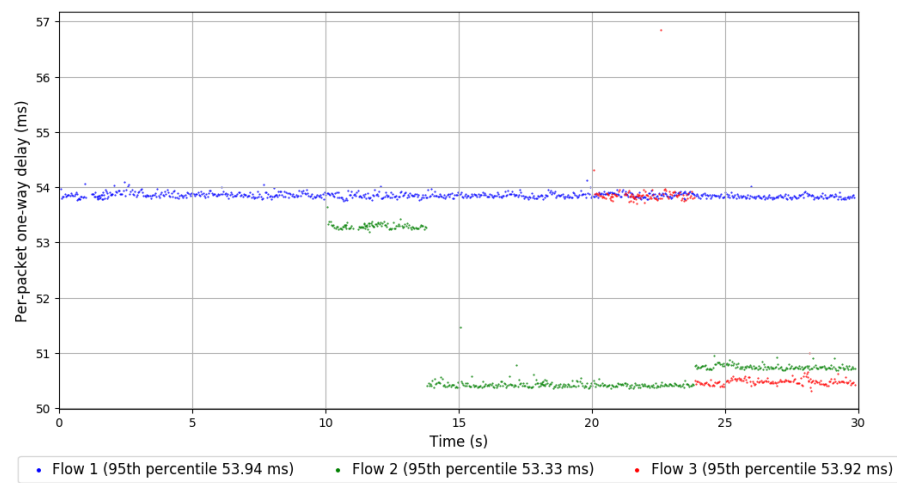
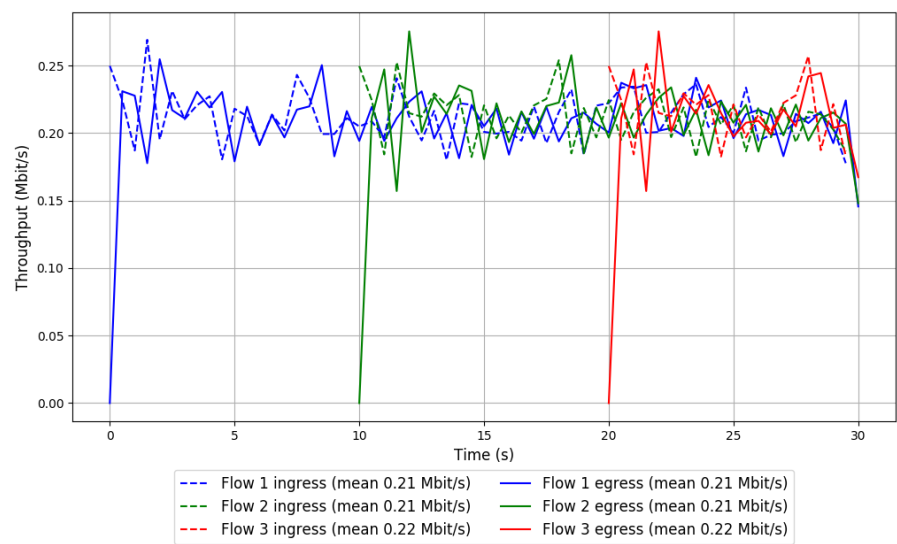


Run 8: Statistics of SCReAM

Start at: 2018-07-20 23:18:40
End at: 2018-07-20 23:19:10
Local clock offset: -0.245 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.936 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.325 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.924 ms
Loss rate: 1.10%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-20 23:43:05

End at: 2018-07-20 23:43:35

Local clock offset: -0.141 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.284 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.765 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.515 ms

Loss rate: 0.61%

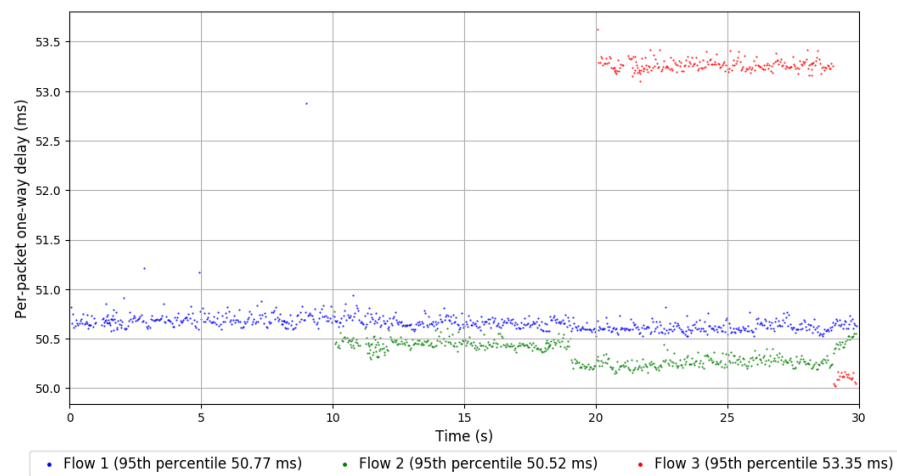
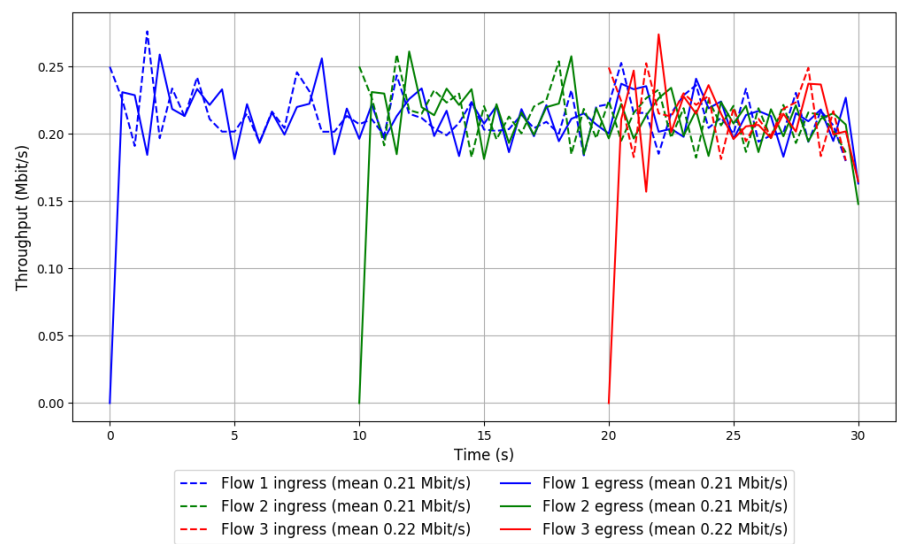
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.353 ms

Loss rate: 1.09%

Run 9: Report of SReAM — Data Link

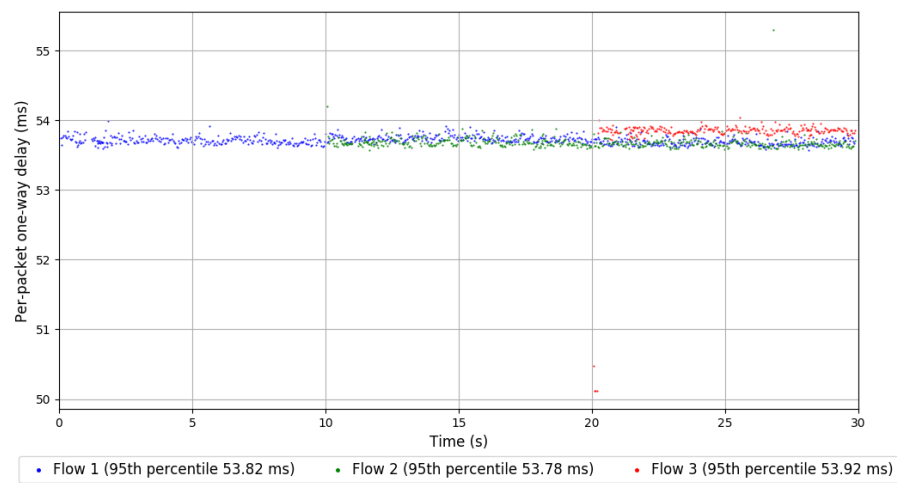
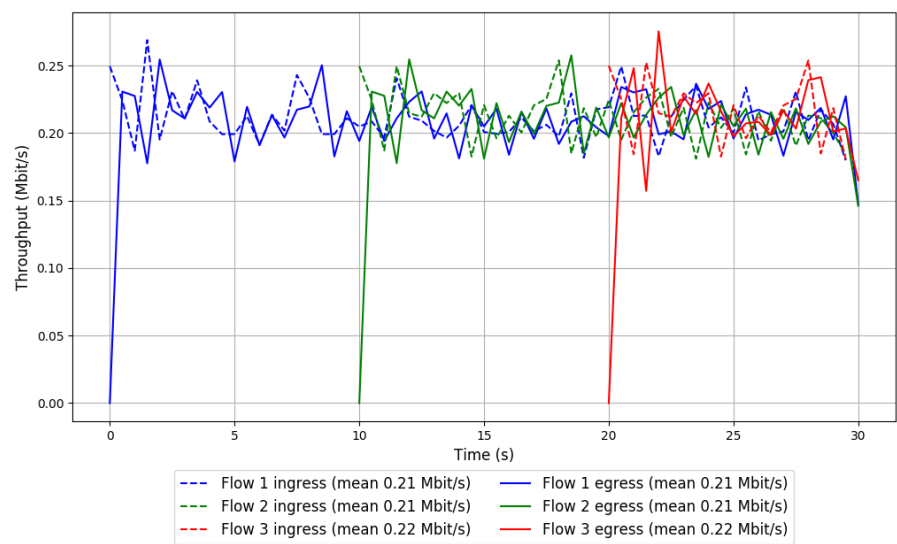


Run 10: Statistics of SReAM

Start at: 2018-07-21 00:08:04
End at: 2018-07-21 00:08:34
Local clock offset: -0.022 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 53.879 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.817 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.785 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.924 ms
Loss rate: 1.09%

Run 10: Report of SReAM — Data Link

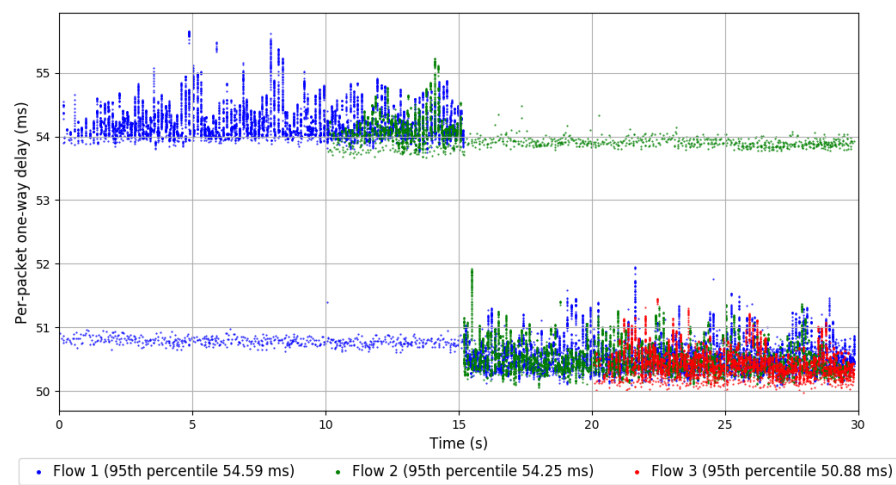
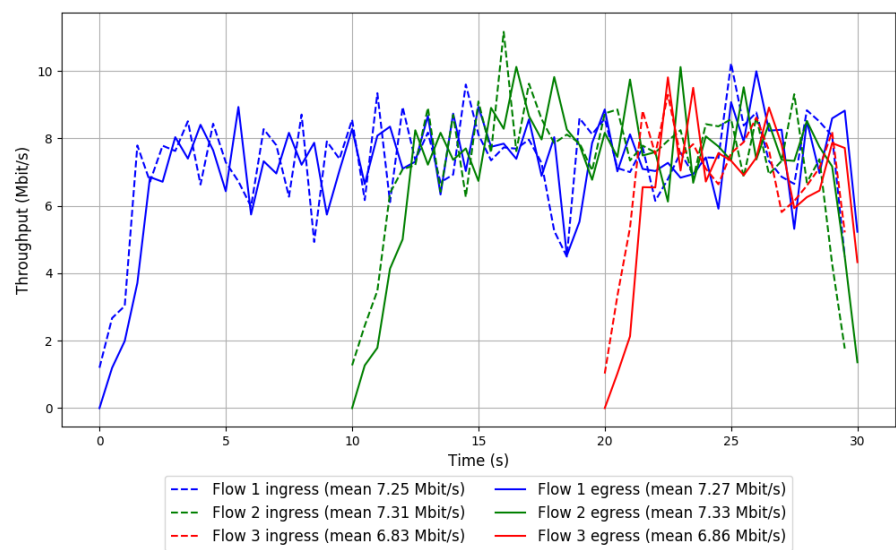


Run 1: Statistics of Sprout

Start at: 2018-07-20 20:21:29
End at: 2018-07-20 20:21:59
Local clock offset: -0.12 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 54.446 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 54.590 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 54.246 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 50.882 ms
Loss rate: 1.01%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-20 20:47:02

End at: 2018-07-20 20:47:32

Local clock offset: -0.06 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 53.611 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: 53.681 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 5.56 Mbit/s

95th percentile per-packet one-way delay: 50.532 ms

Loss rate: 0.41%

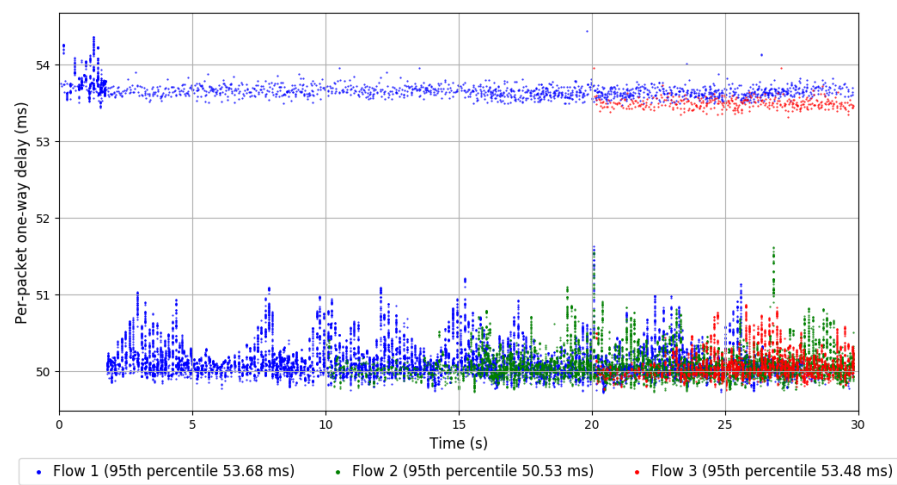
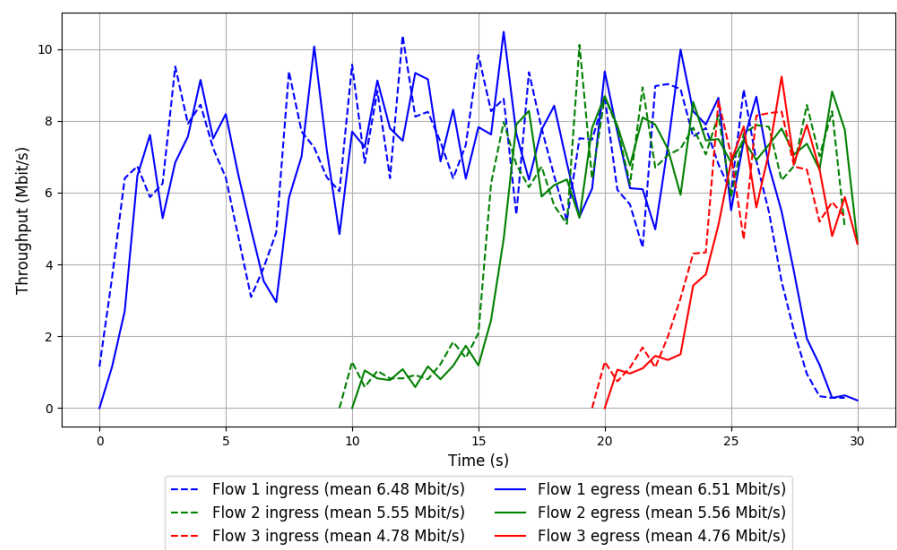
-- Flow 3:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 53.482 ms

Loss rate: 1.35%

Run 2: Report of Sprout — Data Link

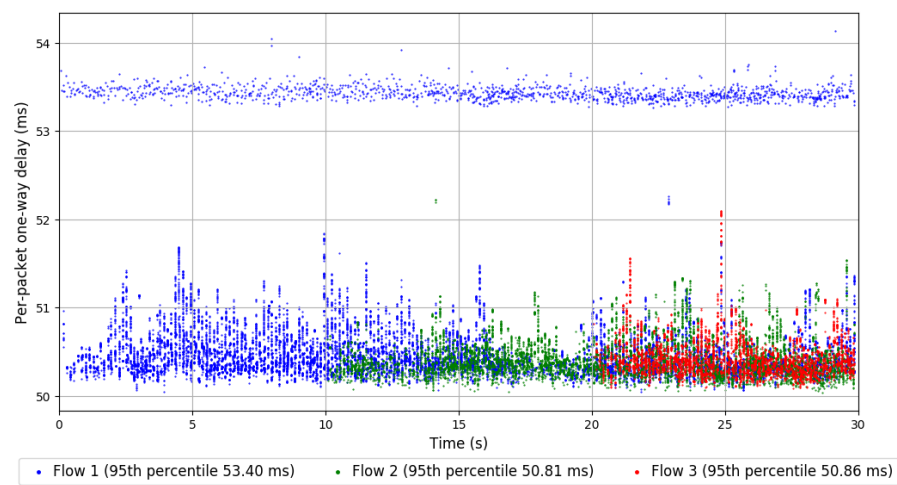
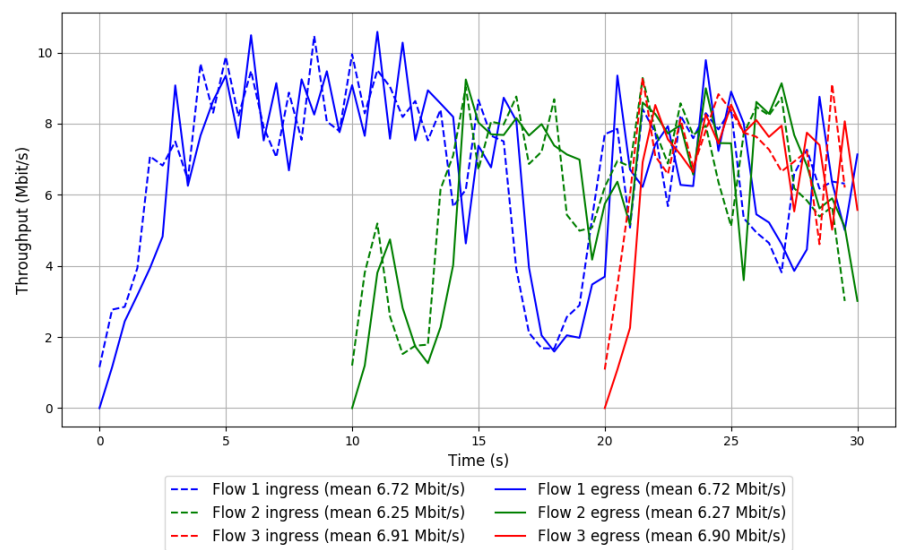


Run 3: Statistics of Sprout

Start at: 2018-07-20 21:12:23
End at: 2018-07-20 21:12:53
Local clock offset: 0.103 ms
Remote clock offset: -0.069 ms

```
# Below is generated by plot.py at 2018-07-21 03:02:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 51.299 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 53.403 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 50.814 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 50.861 ms
Loss rate: 1.22%
```


Run 3: Report of Sprout — Data Link

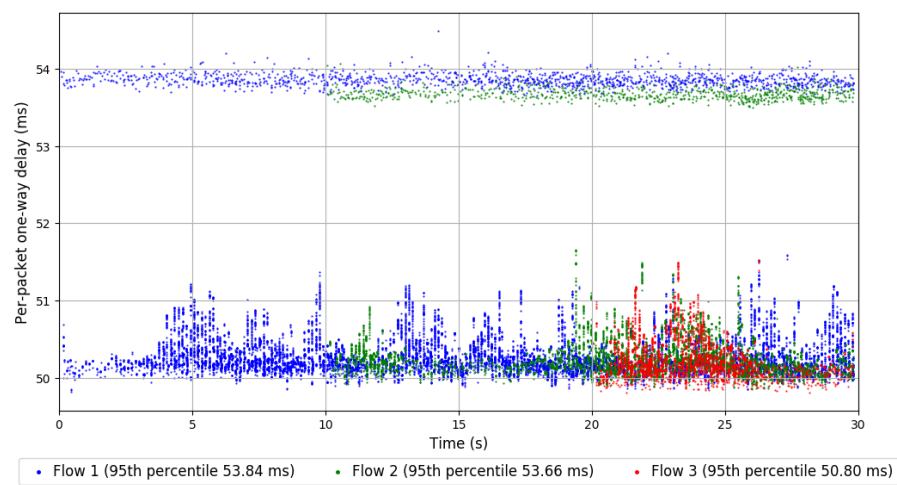
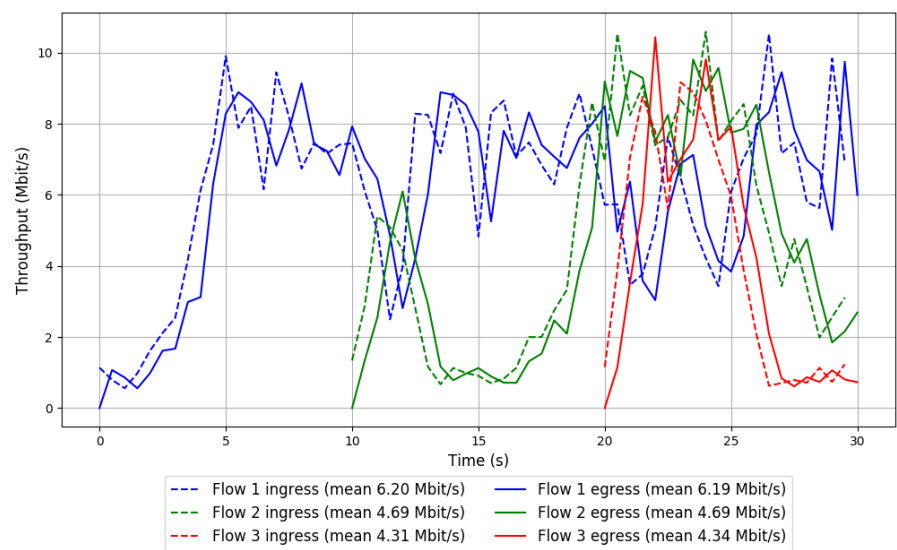


Run 4: Statistics of Sprout

Start at: 2018-07-20 21:37:37
End at: 2018-07-20 21:38:07
Local clock offset: 0.003 ms
Remote clock offset: 0.078 ms

```
# Below is generated by plot.py at 2018-07-21 03:02:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 53.757 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 53.840 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 53.659 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 50.795 ms
Loss rate: 0.59%
```

Run 4: Report of Sprout — Data Link

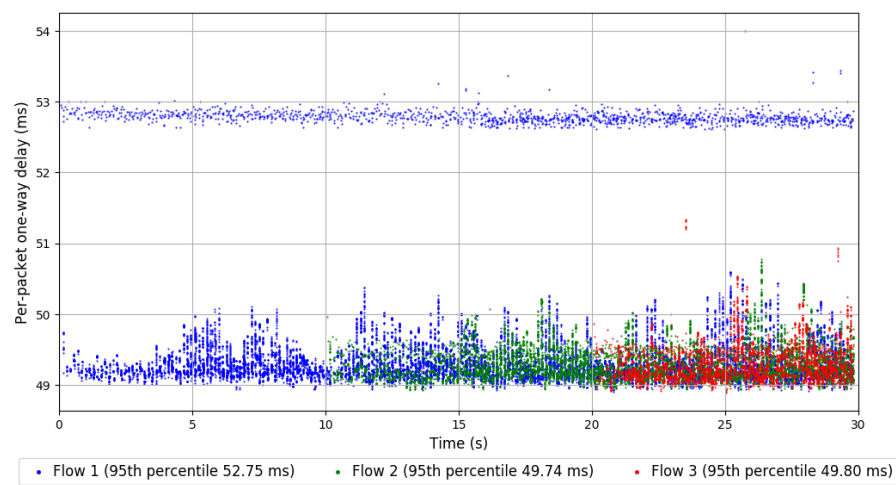
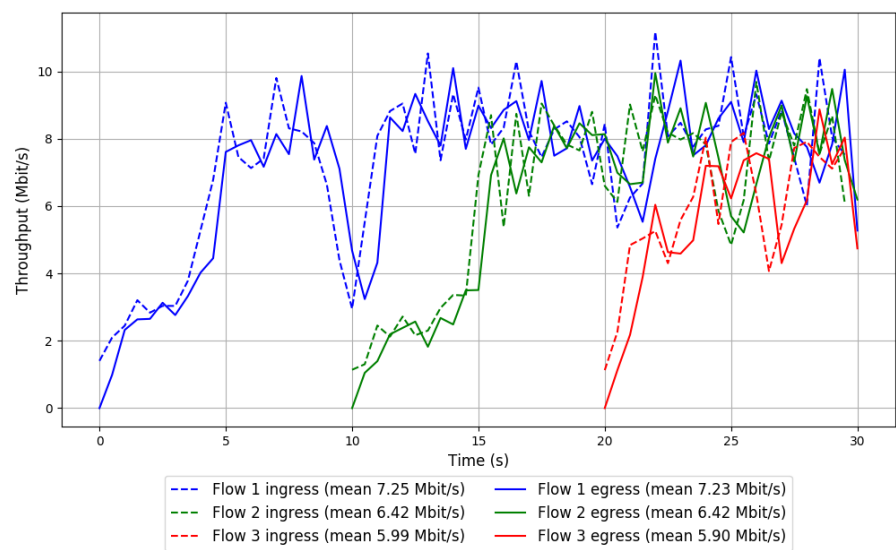


Run 5: Statistics of Sprout

Start at: 2018-07-20 22:02:38
End at: 2018-07-20 22:03:08
Local clock offset: -0.097 ms
Remote clock offset: 0.972 ms

```
# Below is generated by plot.py at 2018-07-21 03:02:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 50.138 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 52.748 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 49.742 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 49.799 ms
Loss rate: 2.53%
```

Run 5: Report of Sprout — Data Link

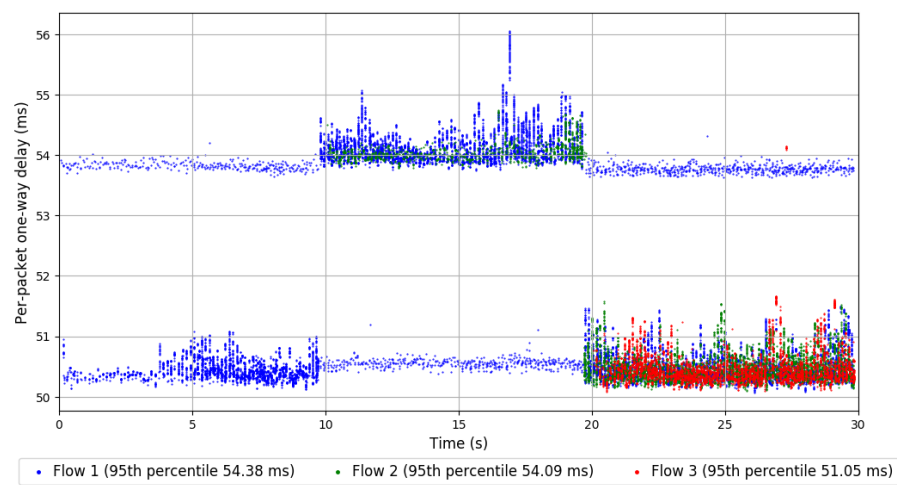
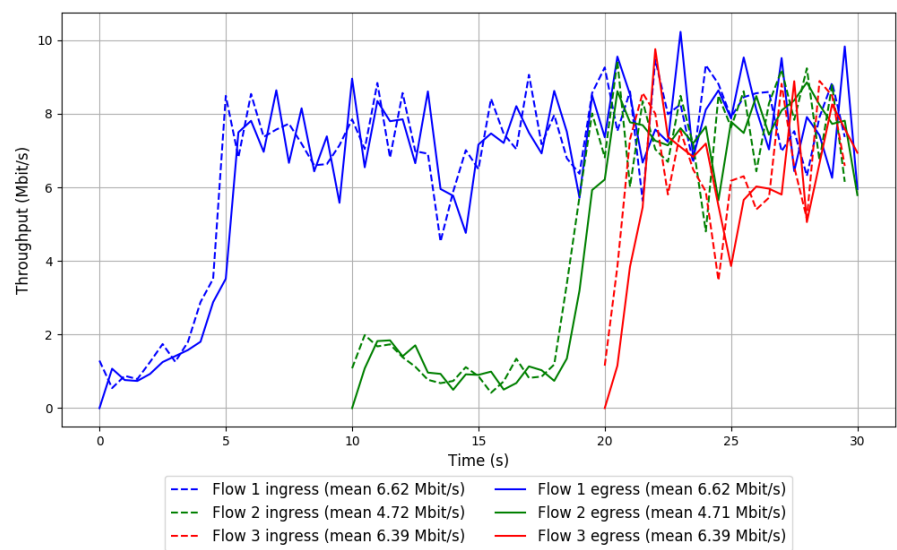


Run 6: Statistics of Sprout

Start at: 2018-07-20 22:27:24
End at: 2018-07-20 22:27:54
Local clock offset: -0.101 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 54.252 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 54.380 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 54.095 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 1.00%

Run 6: Report of Sprout — Data Link

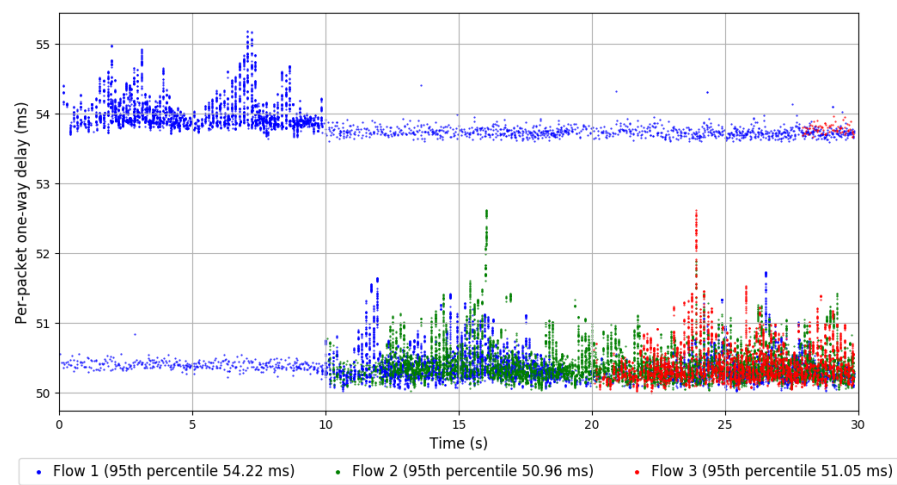
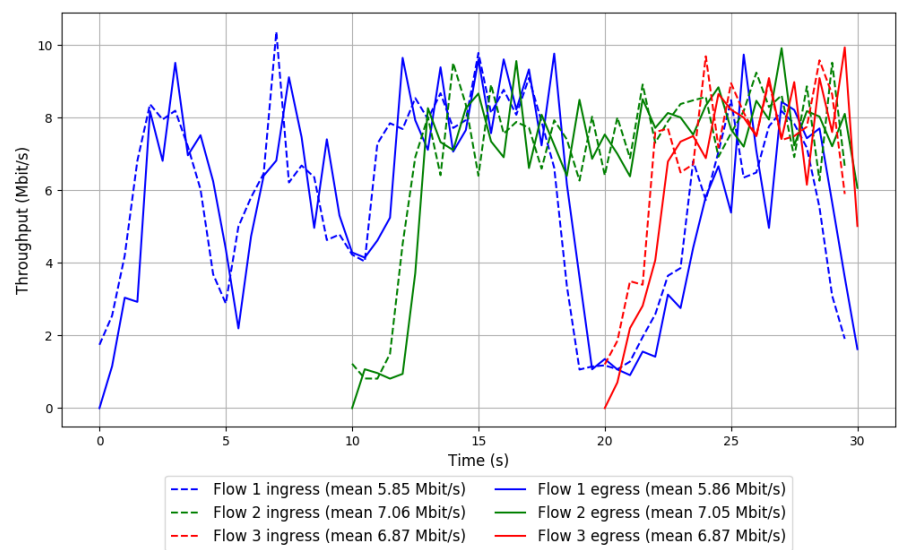


Run 7: Statistics of Sprout

Start at: 2018-07-20 22:52:24
End at: 2018-07-20 22:52:54
Local clock offset: -0.262 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 54.019 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 54.218 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 7.05 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 51.053 ms
Loss rate: 1.26%

Run 7: Report of Sprout — Data Link

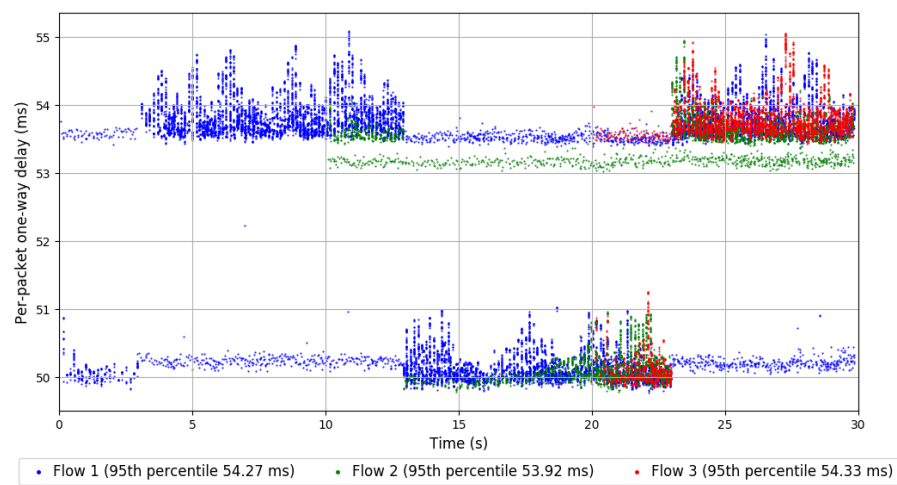
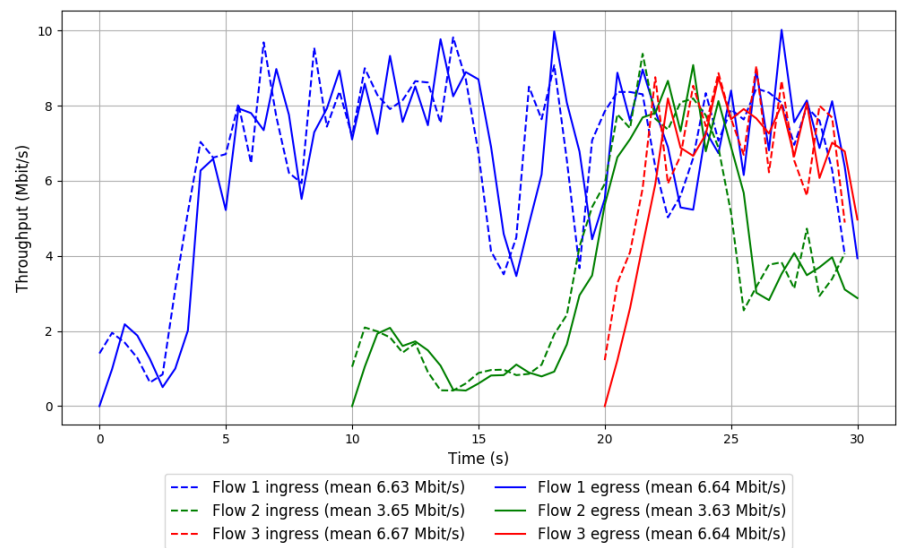


Run 8: Statistics of Sprout

Start at: 2018-07-20 23:17:31
End at: 2018-07-20 23:18:01
Local clock offset: -0.321 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 54.234 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 54.273 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 53.918 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 54.330 ms
Loss rate: 1.37%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-20 23:41:56

End at: 2018-07-20 23:42:26

Local clock offset: 0.116 ms

Remote clock offset: 1.234 ms

Below is generated by plot.py at 2018-07-21 03:02:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.08 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 53.376 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 53.372 ms

Loss rate: 0.99%

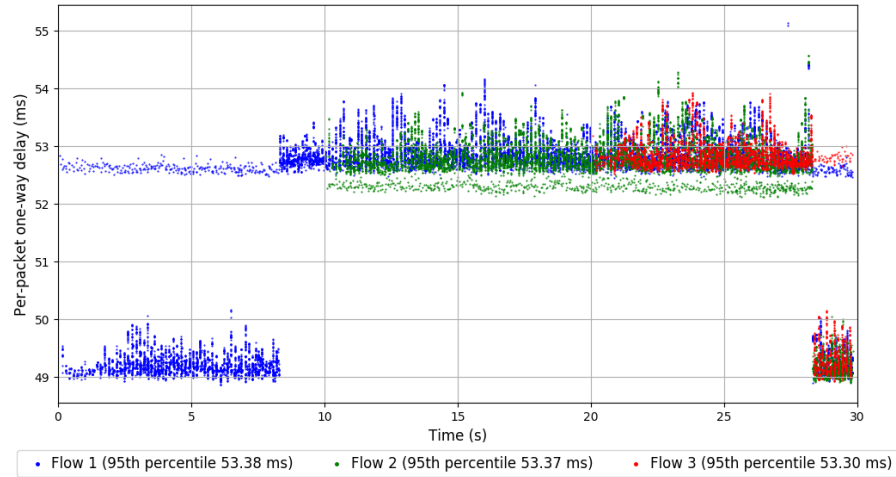
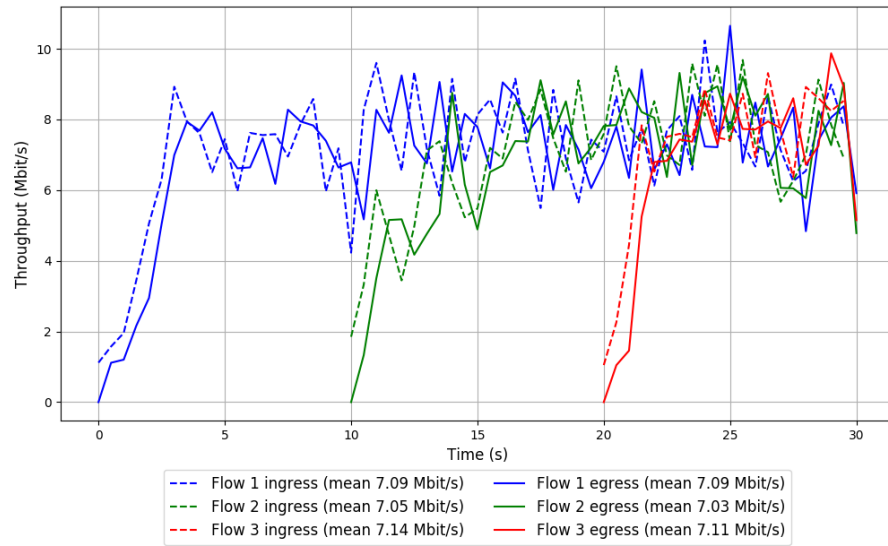
-- Flow 3:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 53.299 ms

Loss rate: 2.38%

Run 9: Report of Sprout — Data Link

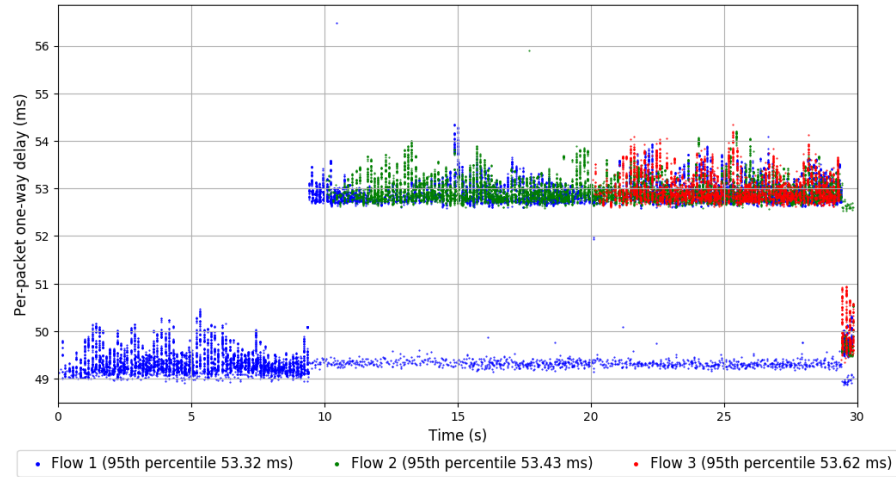
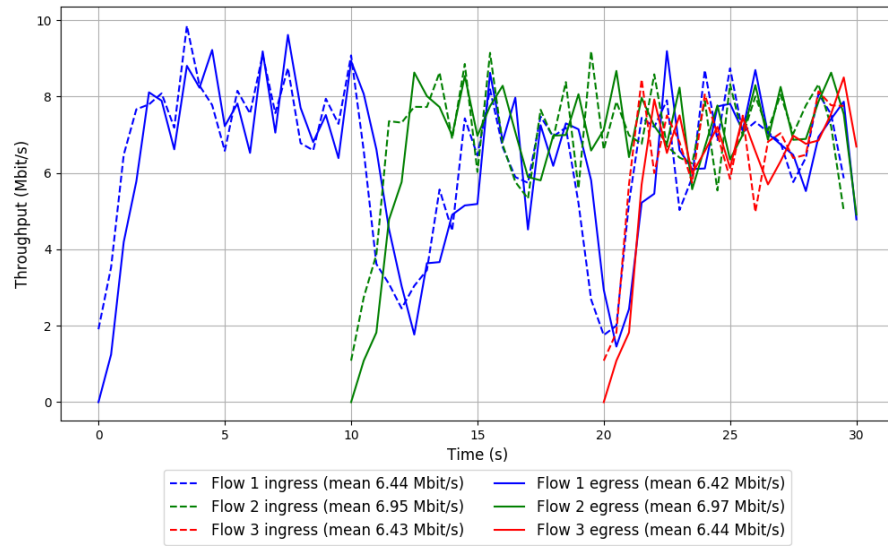


Run 10: Statistics of Sprout

Start at: 2018-07-21 00:06:55
End at: 2018-07-21 00:07:25
Local clock offset: 0.165 ms
Remote clock offset: 1.11 ms

Below is generated by plot.py at 2018-07-21 03:02:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 53.318 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 53.429 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 53.618 ms
Loss rate: 0.84%

Run 10: Report of Sprout — Data Link

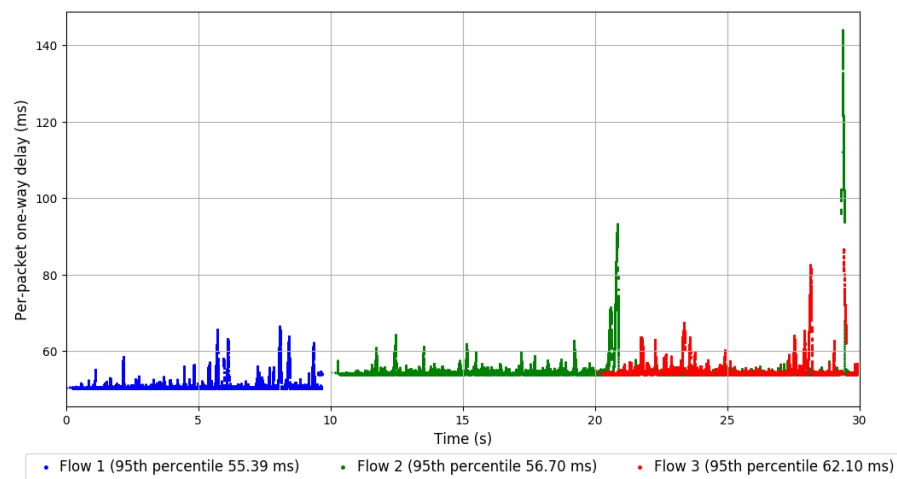
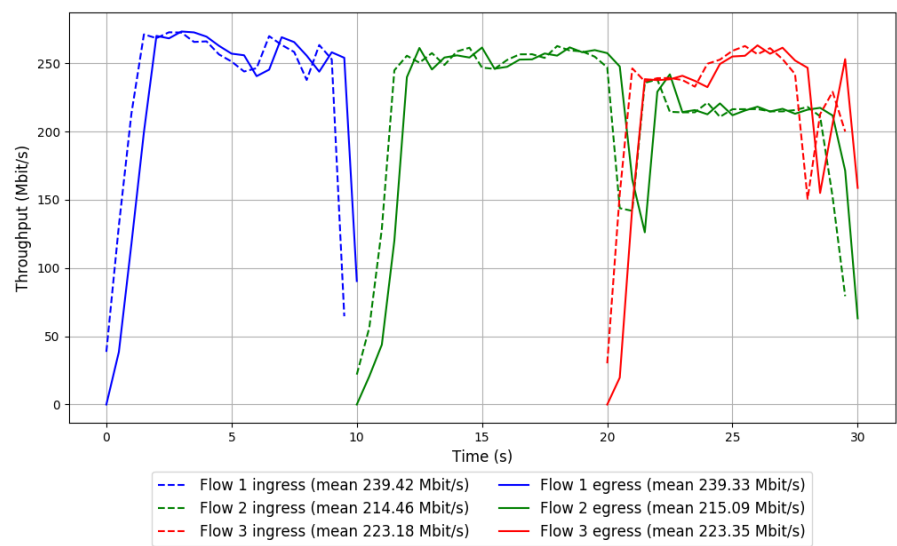


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-20 20:10:05
End at: 2018-07-20 20:10:35
Local clock offset: 0.09 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-07-21 03:06:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.80 Mbit/s
95th percentile per-packet one-way delay: 57.995 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 239.33 Mbit/s
95th percentile per-packet one-way delay: 55.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 215.09 Mbit/s
95th percentile per-packet one-way delay: 56.700 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 223.35 Mbit/s
95th percentile per-packet one-way delay: 62.102 ms
Loss rate: 0.99%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-20 20:35:21

End at: 2018-07-20 20:35:51

Local clock offset: -0.218 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-21 03:08:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.39 Mbit/s

95th percentile per-packet one-way delay: 57.858 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 196.81 Mbit/s

95th percentile per-packet one-way delay: 58.687 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 121.96 Mbit/s

95th percentile per-packet one-way delay: 59.445 ms

Loss rate: 0.05%

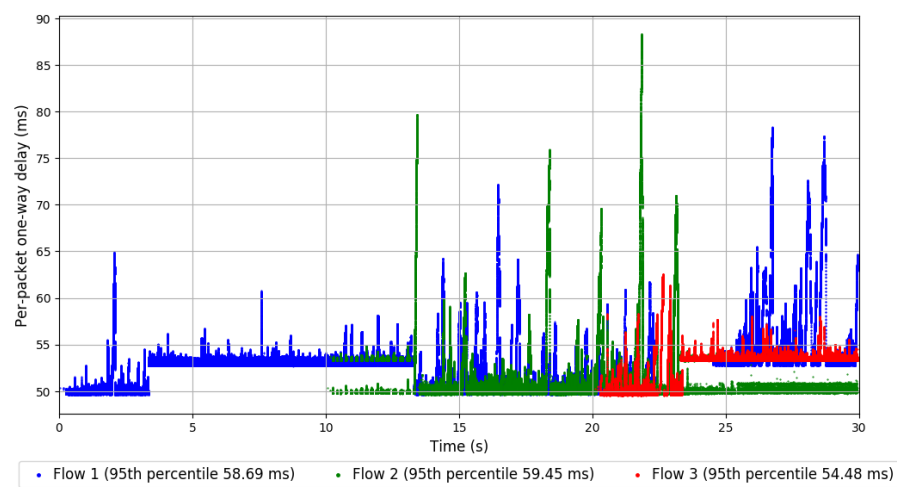
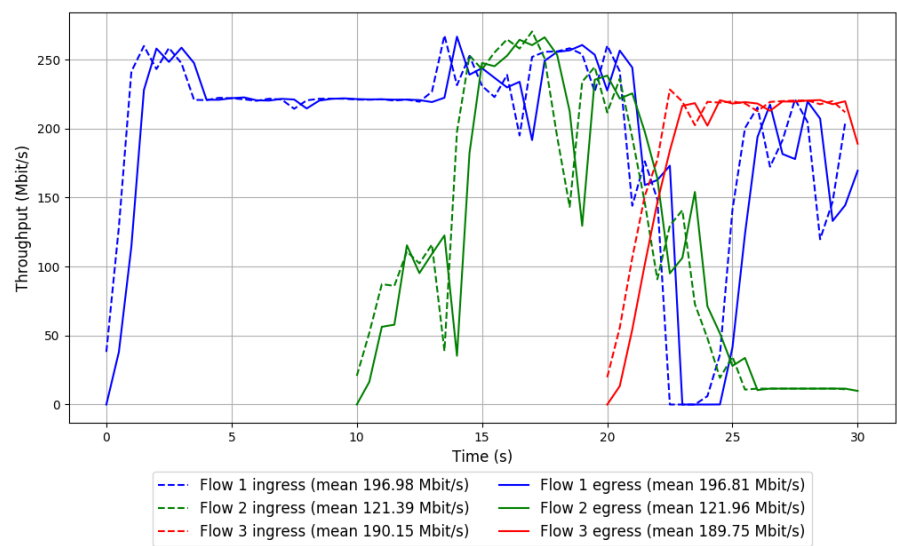
-- Flow 3:

Average throughput: 189.75 Mbit/s

95th percentile per-packet one-way delay: 54.481 ms

Loss rate: 1.23%

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

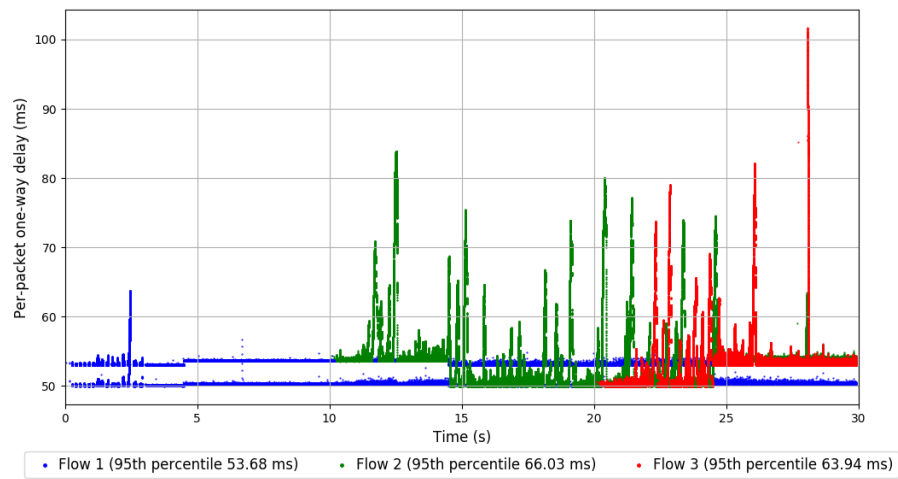
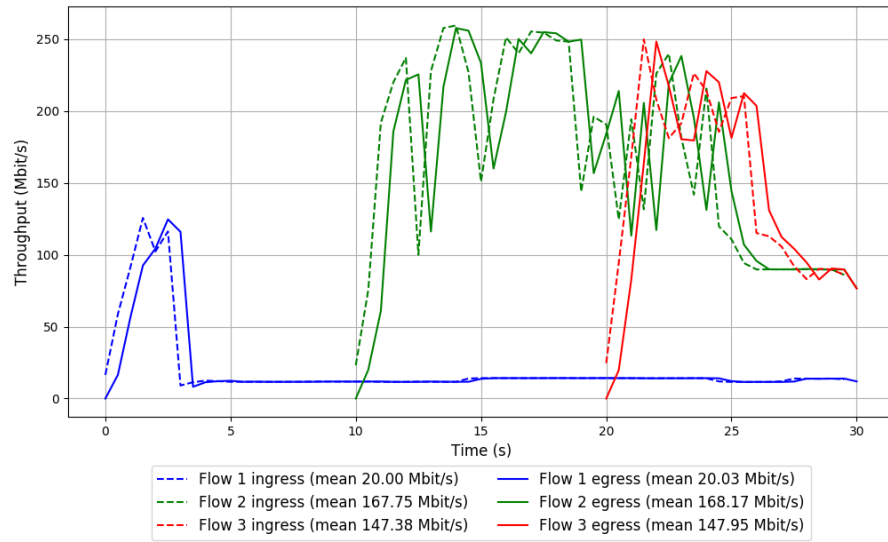


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-20 21:00:50
End at: 2018-07-20 21:01:20
Local clock offset: -0.08 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-21 03:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.68 Mbit/s
95th percentile per-packet one-way delay: 64.060 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 53.677 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 168.17 Mbit/s
95th percentile per-packet one-way delay: 66.026 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 147.95 Mbit/s
95th percentile per-packet one-way delay: 63.935 ms
Loss rate: 0.65%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-20 21:26:12

End at: 2018-07-20 21:26:42

Local clock offset: 0.168 ms

Remote clock offset: 1.288 ms

Below is generated by plot.py at 2018-07-21 03:08:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.92 Mbit/s

95th percentile per-packet one-way delay: 57.954 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 156.93 Mbit/s

95th percentile per-packet one-way delay: 56.489 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 62.183 ms

Loss rate: 1.30%

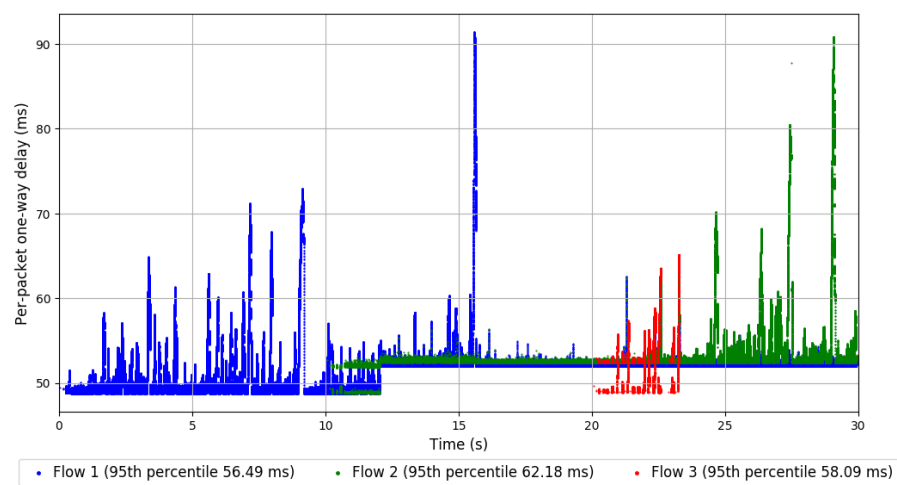
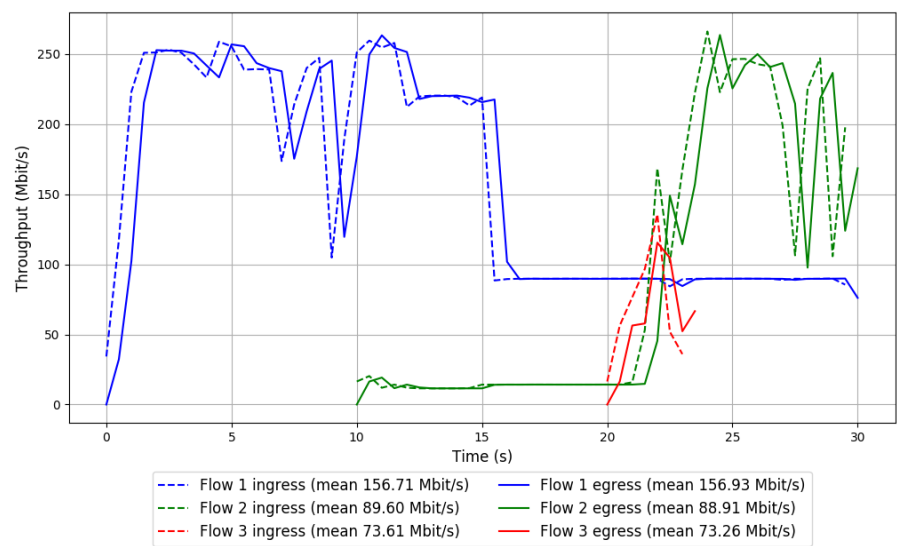
-- Flow 3:

Average throughput: 73.26 Mbit/s

95th percentile per-packet one-way delay: 58.093 ms

Loss rate: 0.00%

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

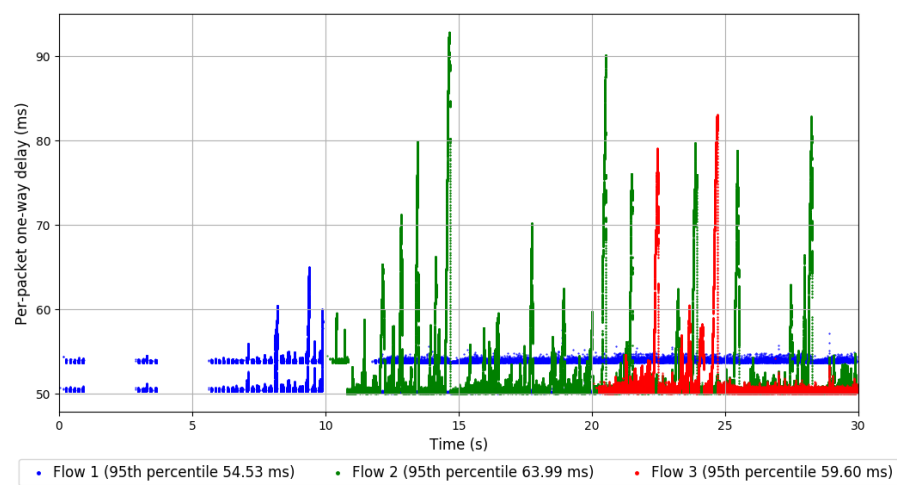
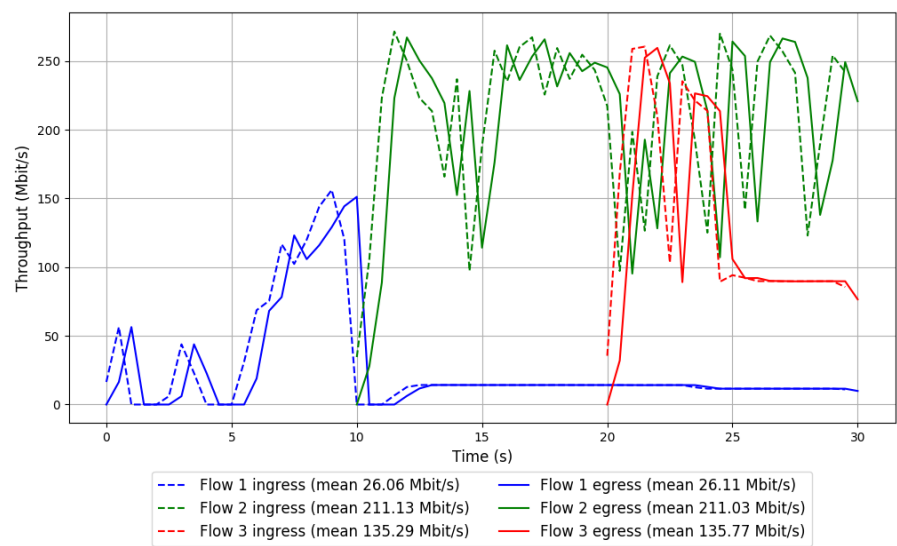


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-20 21:51:23
End at: 2018-07-20 21:51:53
Local clock offset: 0.126 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-21 03:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.27 Mbit/s
95th percentile per-packet one-way delay: 61.691 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 54.534 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 211.03 Mbit/s
95th percentile per-packet one-way delay: 63.992 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 135.77 Mbit/s
95th percentile per-packet one-way delay: 59.597 ms
Loss rate: 0.67%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-20 22:16:12

End at: 2018-07-20 22:16:42

Local clock offset: -0.287 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-21 03:08:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 54.593 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 118.18 Mbit/s

95th percentile per-packet one-way delay: 53.538 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.88 Mbit/s

95th percentile per-packet one-way delay: 54.480 ms

Loss rate: 0.00%

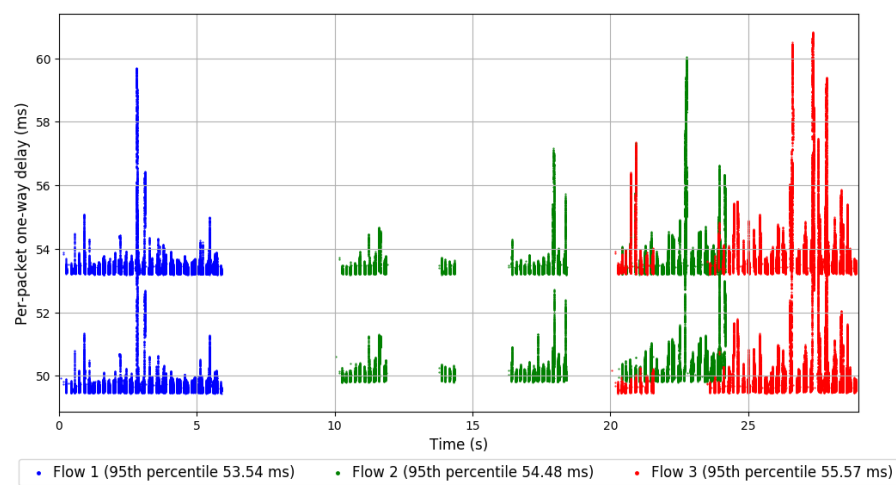
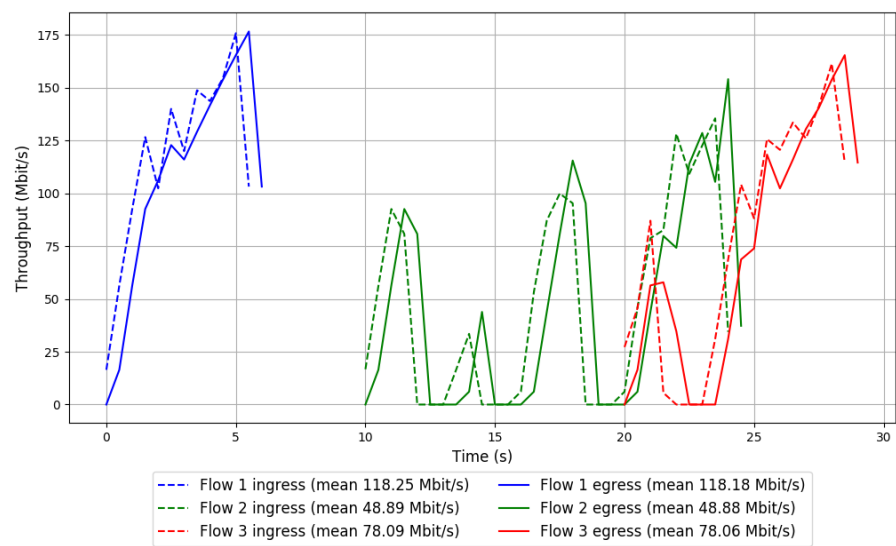
-- Flow 3:

Average throughput: 78.06 Mbit/s

95th percentile per-packet one-way delay: 55.567 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-20 22:41:00

End at: 2018-07-20 22:41:30

Local clock offset: -0.302 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-07-21 03:08:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.88 Mbit/s

95th percentile per-packet one-way delay: 60.883 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 60.463 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 69.25 Mbit/s

95th percentile per-packet one-way delay: 57.220 ms

Loss rate: 0.09%

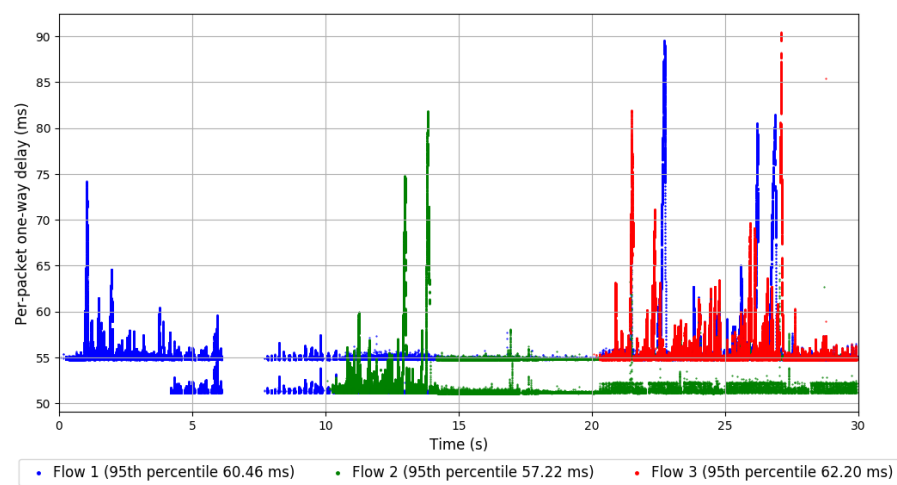
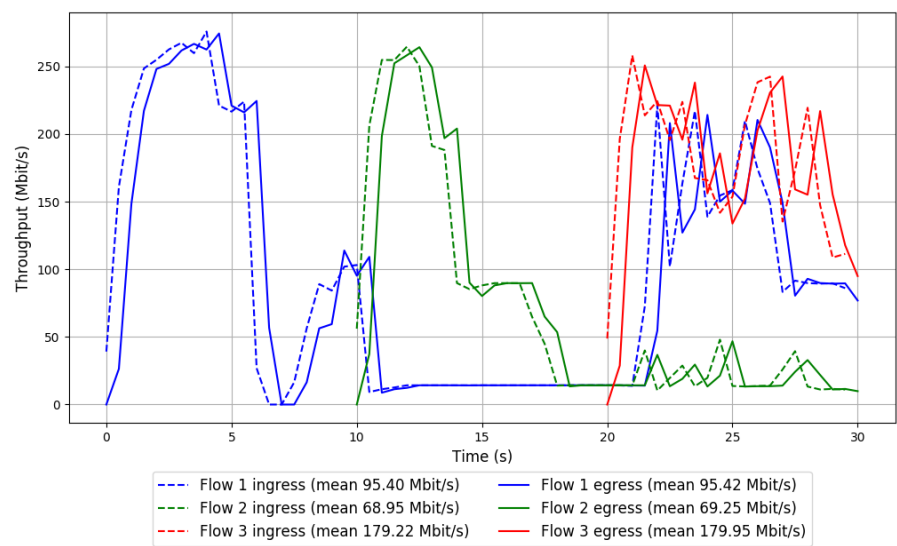
-- Flow 3:

Average throughput: 179.95 Mbit/s

95th percentile per-packet one-way delay: 62.196 ms

Loss rate: 0.67%

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

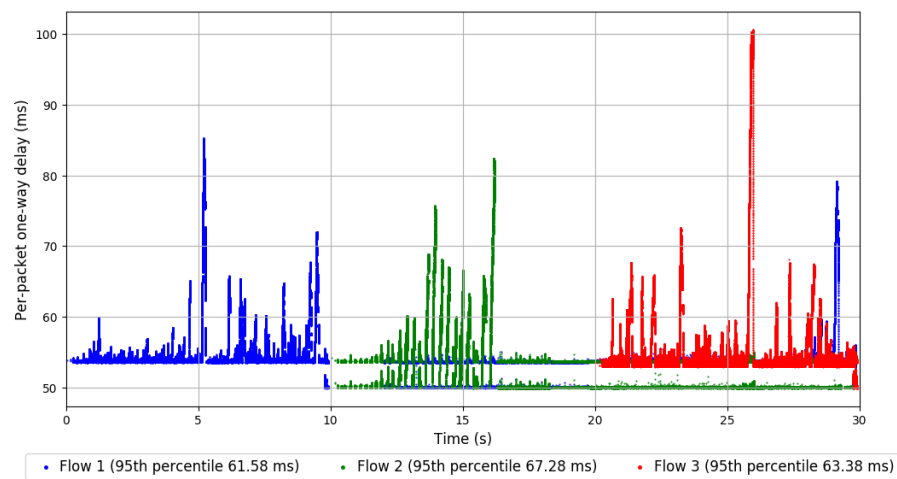
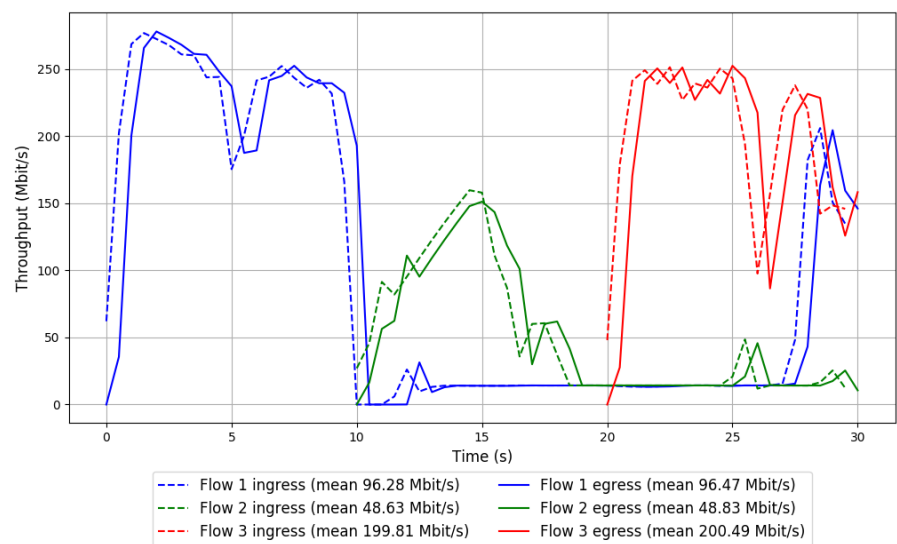


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-20 23:06:04
End at: 2018-07-20 23:06:34
Local clock offset: -0.21 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-21 03:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.94 Mbit/s
95th percentile per-packet one-way delay: 63.705 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 61.583 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 67.285 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 200.49 Mbit/s
95th percentile per-packet one-way delay: 63.384 ms
Loss rate: 0.33%

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

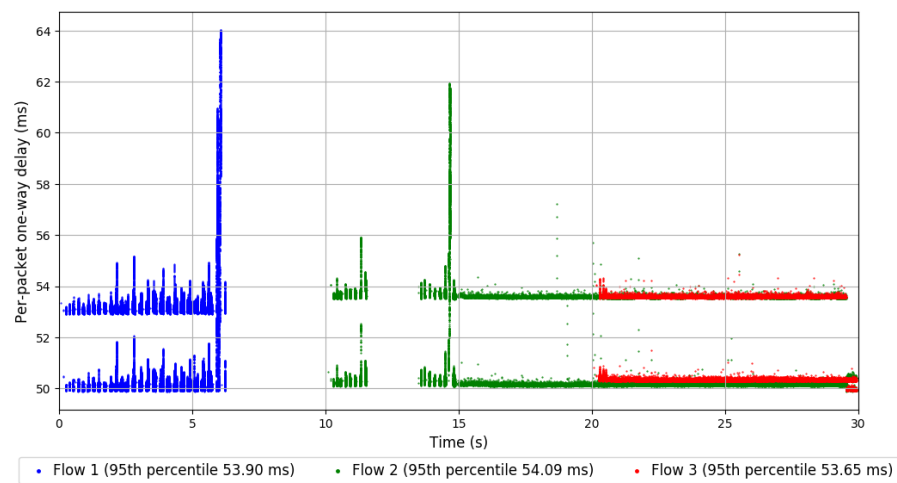
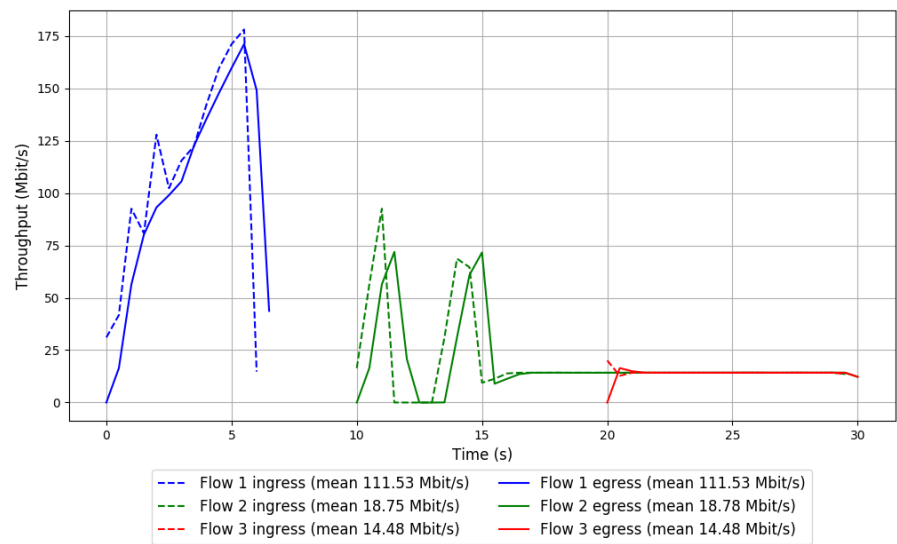


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-20 23:30:55
End at: 2018-07-20 23:31:25
Local clock offset: -0.206 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-21 03:08:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 53.867 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 111.53 Mbit/s
95th percentile per-packet one-way delay: 53.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.78 Mbit/s
95th percentile per-packet one-way delay: 54.093 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 14.48 Mbit/s
95th percentile per-packet one-way delay: 53.653 ms
Loss rate: 1.00%

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

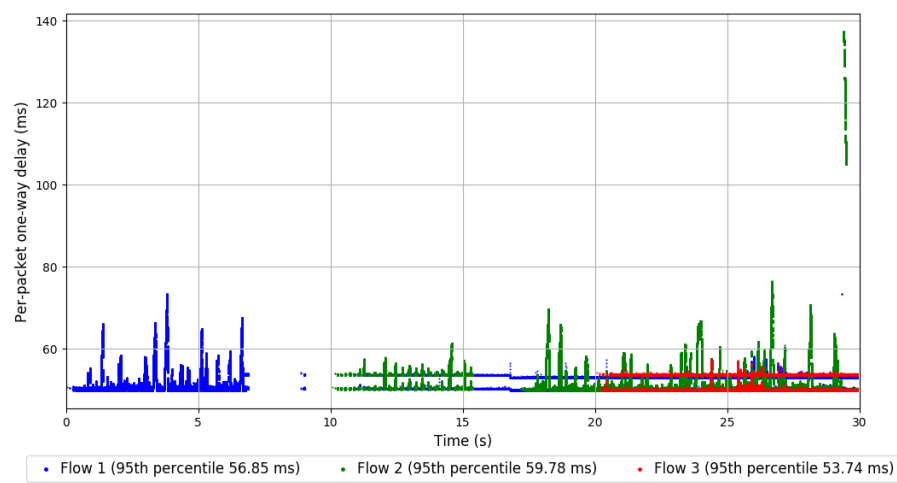
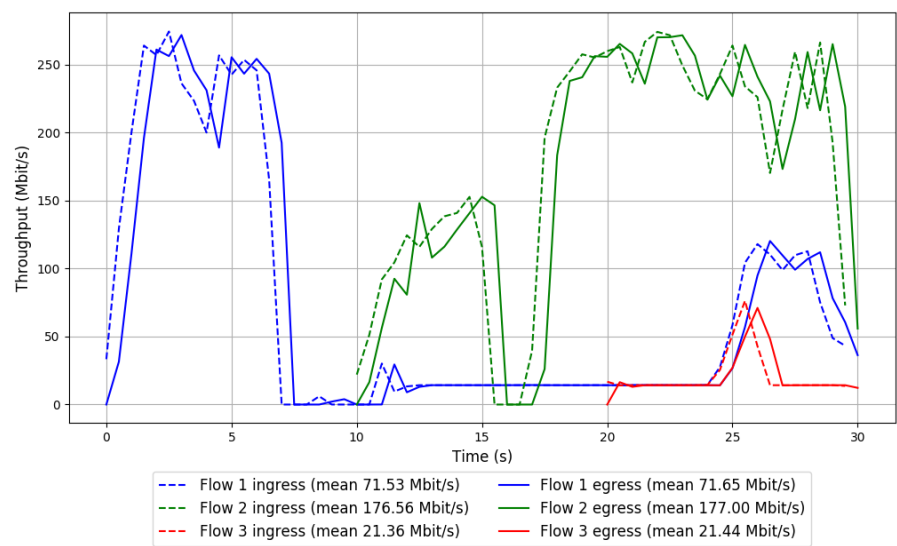


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-20 23:55:37
End at: 2018-07-20 23:56:07
Local clock offset: -0.217 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-21 03:10:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.42 Mbit/s
95th percentile per-packet one-way delay: 58.264 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 71.65 Mbit/s
95th percentile per-packet one-way delay: 56.855 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 177.00 Mbit/s
95th percentile per-packet one-way delay: 59.784 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 53.743 ms
Loss rate: 0.67%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-20 20:02:47

End at: 2018-07-20 20:03:17

Local clock offset: 0.031 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-21 03:10:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.15 Mbit/s

95th percentile per-packet one-way delay: 54.293 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 23.21 Mbit/s

95th percentile per-packet one-way delay: 54.342 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 54.189 ms

Loss rate: 0.66%

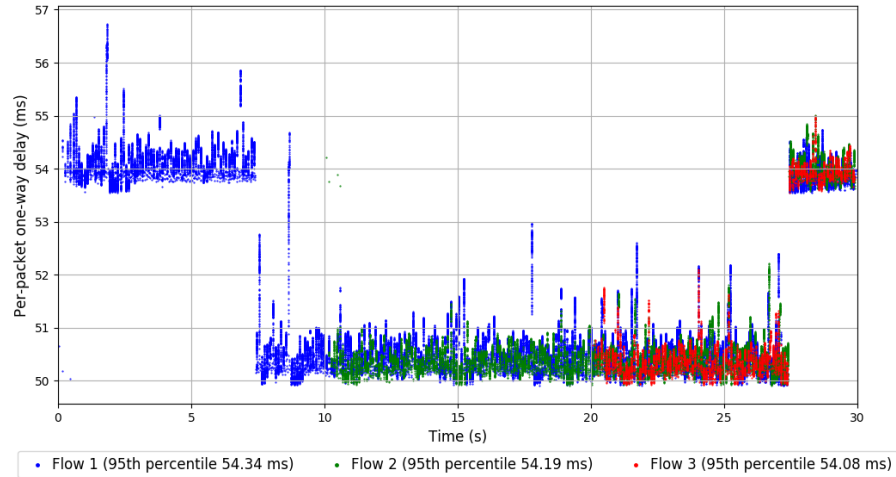
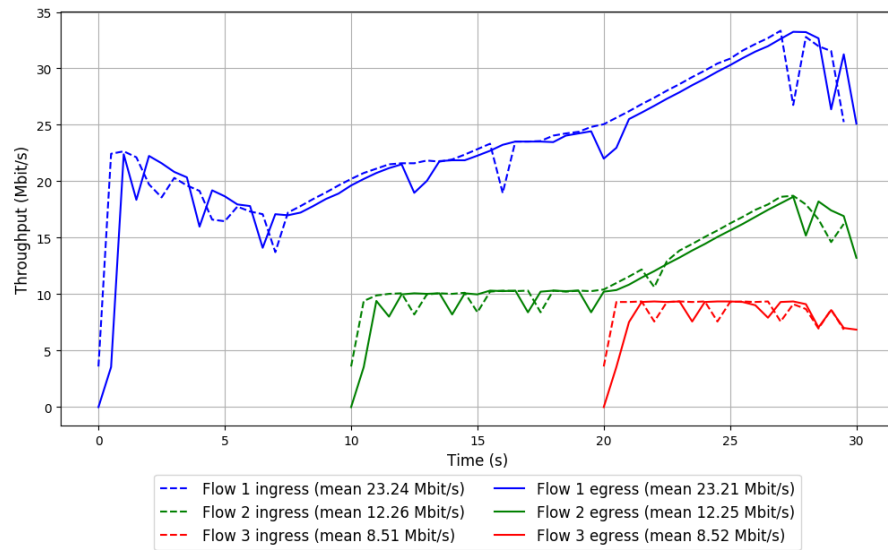
-- Flow 3:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 54.080 ms

Loss rate: 0.99%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-20 20:27:38

End at: 2018-07-20 20:28:08

Local clock offset: -0.328 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-21 03:10:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 184.28 Mbit/s

95th percentile per-packet one-way delay: 64.100 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 18.25 Mbit/s

95th percentile per-packet one-way delay: 57.931 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 215.64 Mbit/s

95th percentile per-packet one-way delay: 65.081 ms

Loss rate: 0.56%

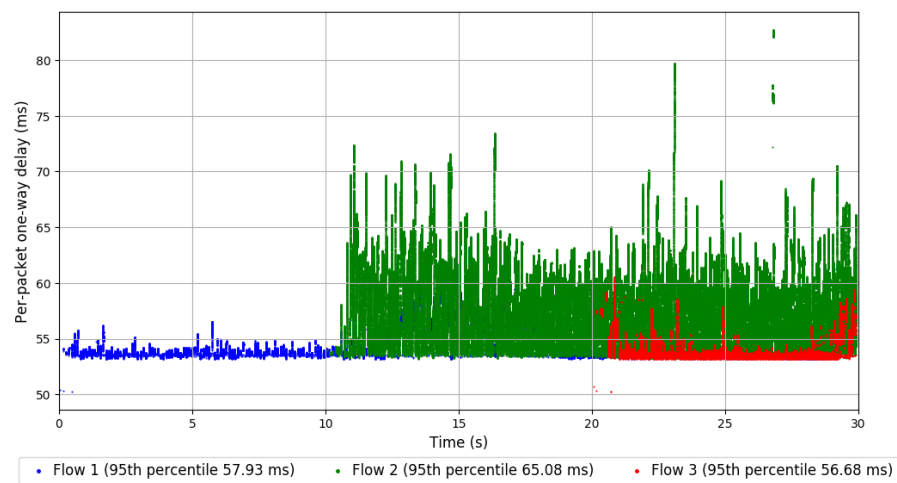
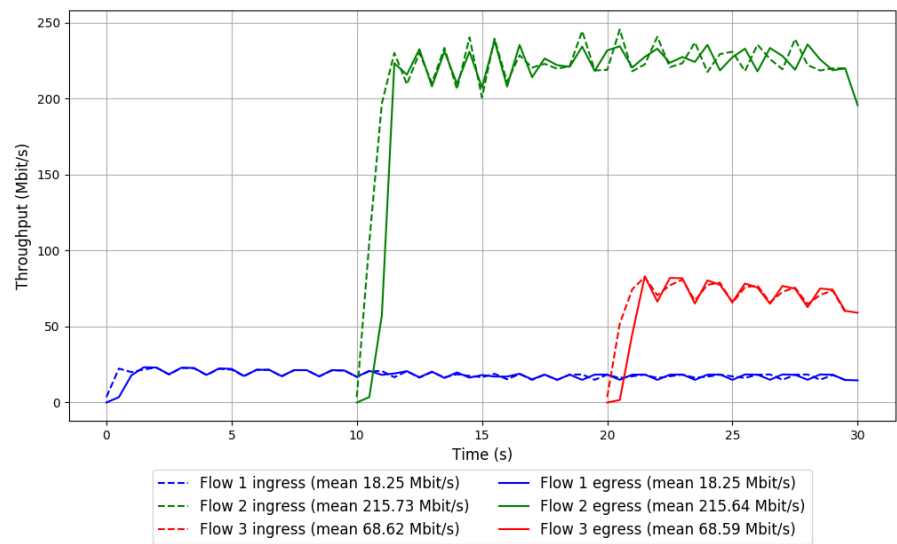
-- Flow 3:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 56.680 ms

Loss rate: 1.08%

Run 2: Report of TCP Vegas — Data Link

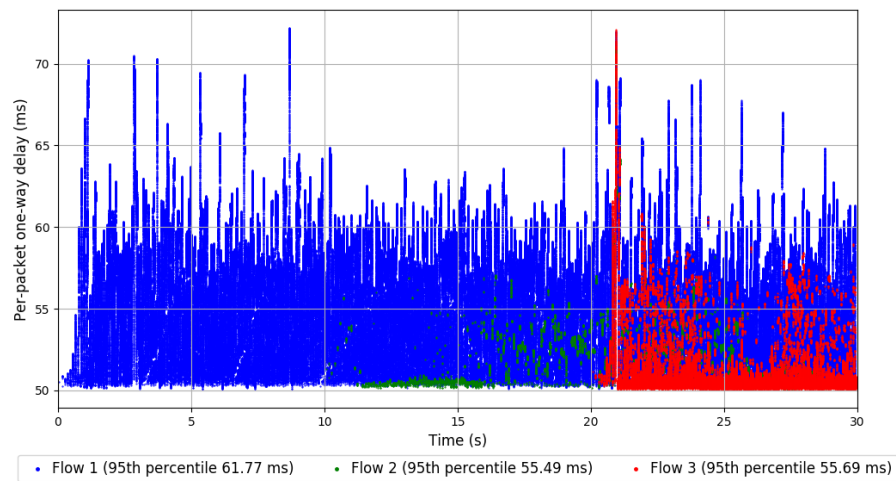
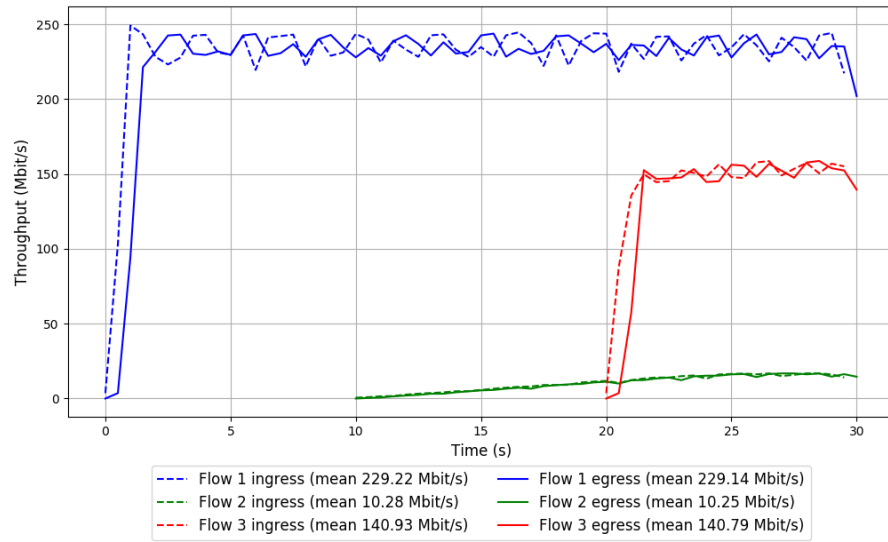


Run 3: Statistics of TCP Vegas

Start at: 2018-07-20 20:53:11
End at: 2018-07-20 20:53:41
Local clock offset: 0.02 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-21 03:10:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.34 Mbit/s
95th percentile per-packet one-way delay: 61.416 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 229.14 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 55.493 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: 55.686 ms
Loss rate: 1.13%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-20 21:18:34

End at: 2018-07-20 21:19:04

Local clock offset: 0.048 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-21 03:11:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 286.62 Mbit/s

95th percentile per-packet one-way delay: 60.574 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 133.16 Mbit/s

95th percentile per-packet one-way delay: 56.911 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 124.34 Mbit/s

95th percentile per-packet one-way delay: 56.238 ms

Loss rate: 0.47%

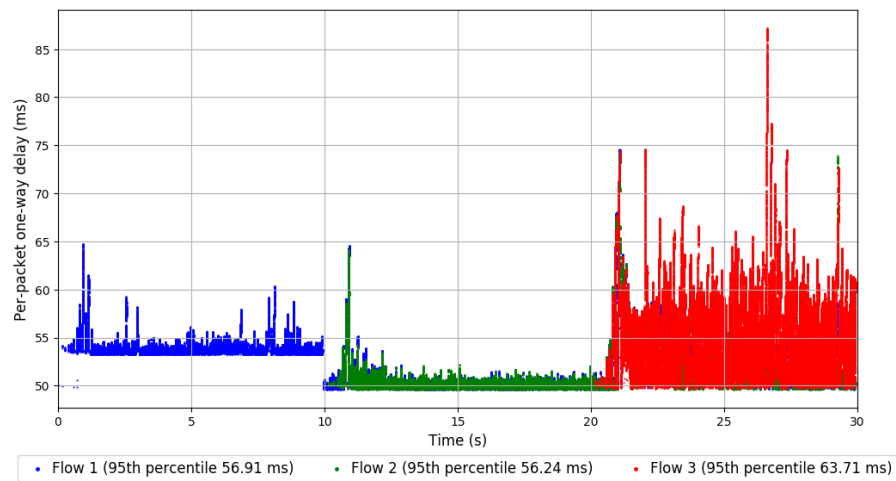
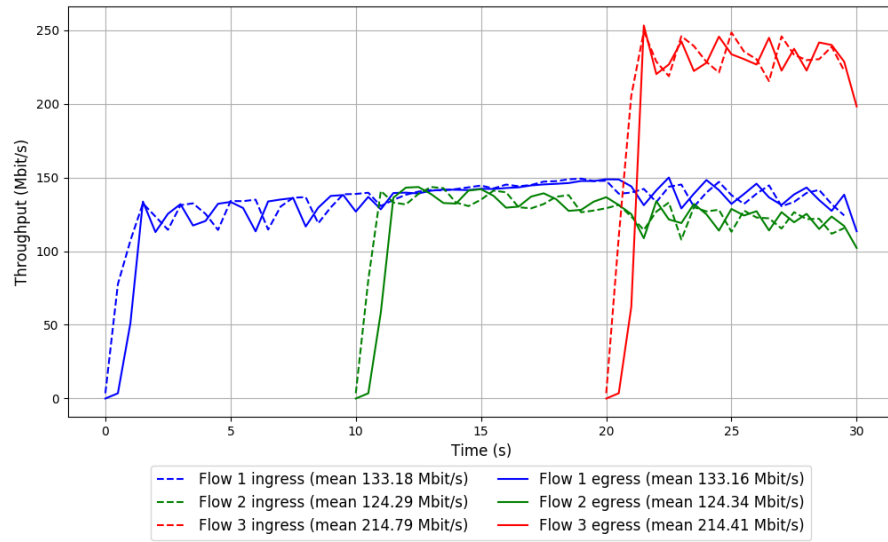
-- Flow 3:

Average throughput: 214.41 Mbit/s

95th percentile per-packet one-way delay: 63.714 ms

Loss rate: 1.16%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-20 21:43:46

End at: 2018-07-20 21:44:16

Local clock offset: -0.095 ms

Remote clock offset: 1.217 ms

Below is generated by plot.py at 2018-07-21 03:11:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.55 Mbit/s

95th percentile per-packet one-way delay: 61.900 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 220.18 Mbit/s

95th percentile per-packet one-way delay: 61.984 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 57.935 ms

Loss rate: 0.87%

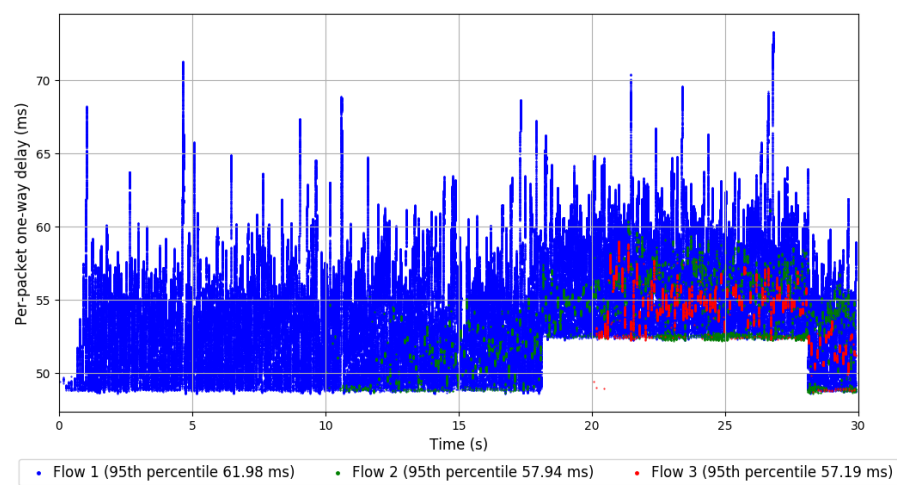
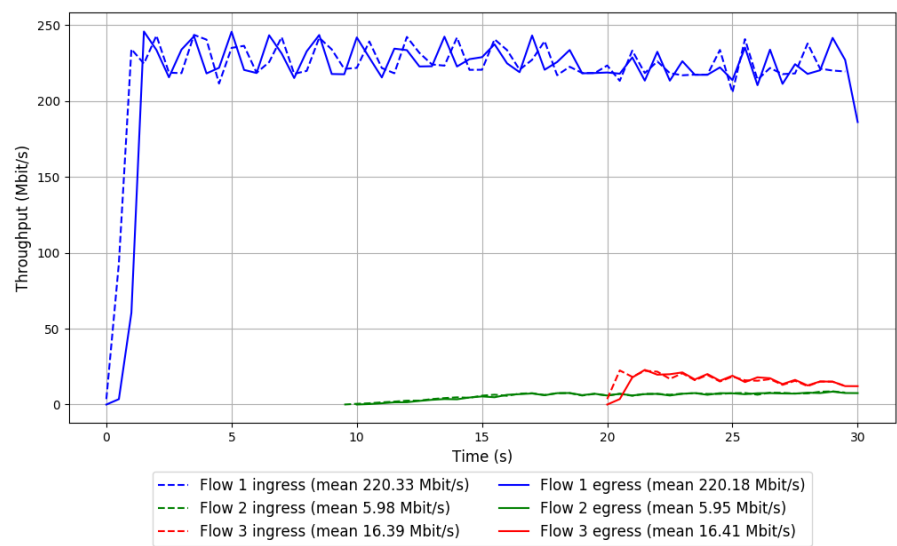
-- Flow 3:

Average throughput: 16.41 Mbit/s

95th percentile per-packet one-way delay: 57.187 ms

Loss rate: 0.93%

Run 5: Report of TCP Vegas — Data Link

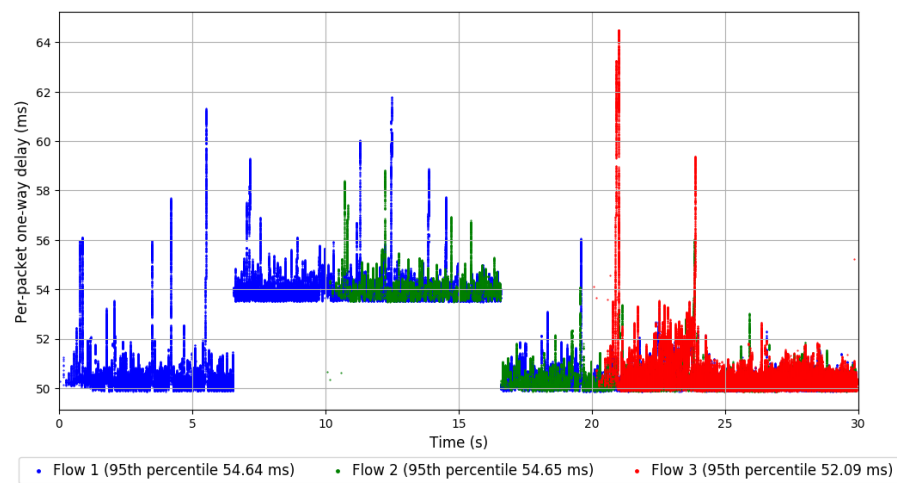
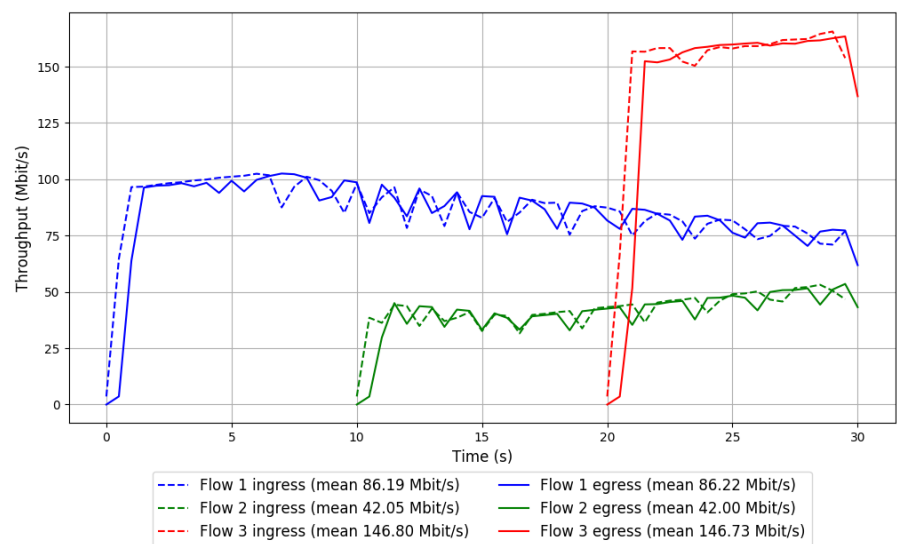


Run 6: Statistics of TCP Vegas

Start at: 2018-07-20 22:08:48
End at: 2018-07-20 22:09:18
Local clock offset: -0.099 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-21 03:11:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.46 Mbit/s
95th percentile per-packet one-way delay: 54.454 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 54.637 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 54.645 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 146.73 Mbit/s
95th percentile per-packet one-way delay: 52.092 ms
Loss rate: 1.13%

Run 6: Report of TCP Vegas — Data Link

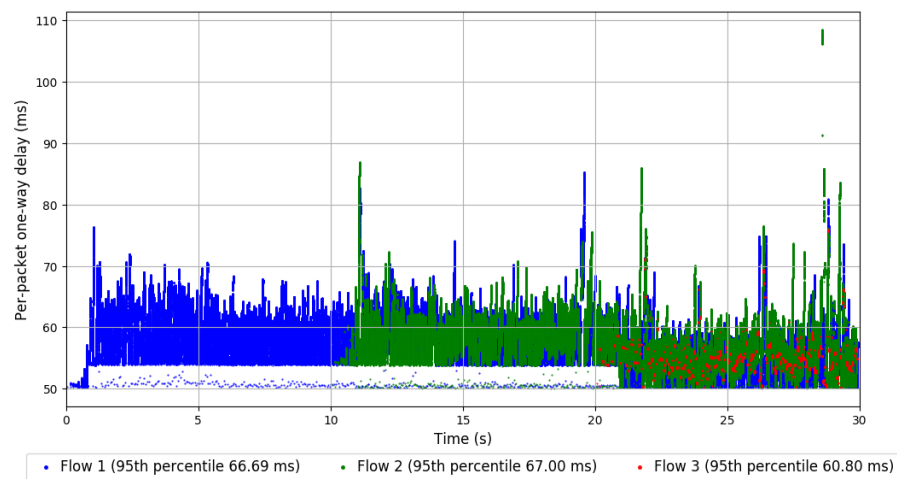
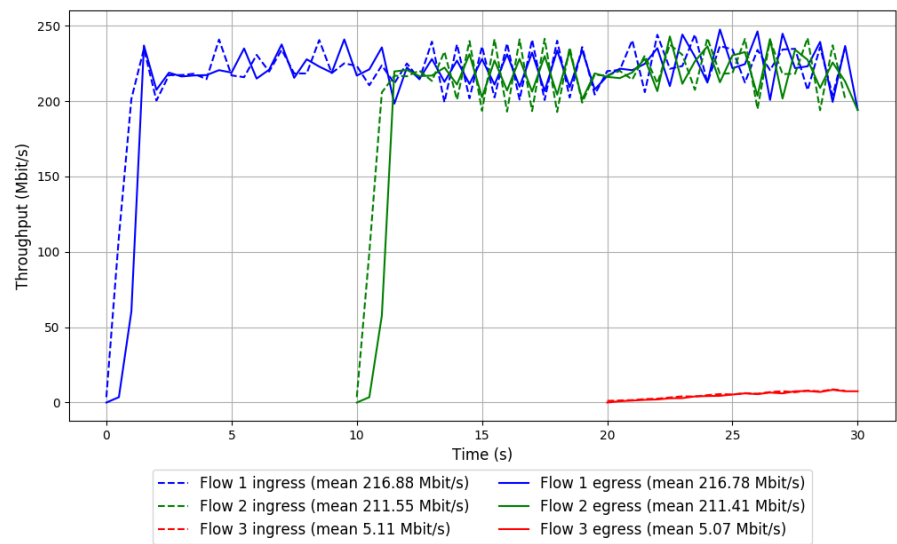


Run 7: Statistics of TCP Vegas

Start at: 2018-07-20 22:33:33
End at: 2018-07-20 22:34:03
Local clock offset: -0.262 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-21 03:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.72 Mbit/s
95th percentile per-packet one-way delay: 66.795 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 216.78 Mbit/s
95th percentile per-packet one-way delay: 66.688 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 211.41 Mbit/s
95th percentile per-packet one-way delay: 67.002 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 5.07 Mbit/s
95th percentile per-packet one-way delay: 60.795 ms
Loss rate: 1.87%

Run 7: Report of TCP Vegas — Data Link

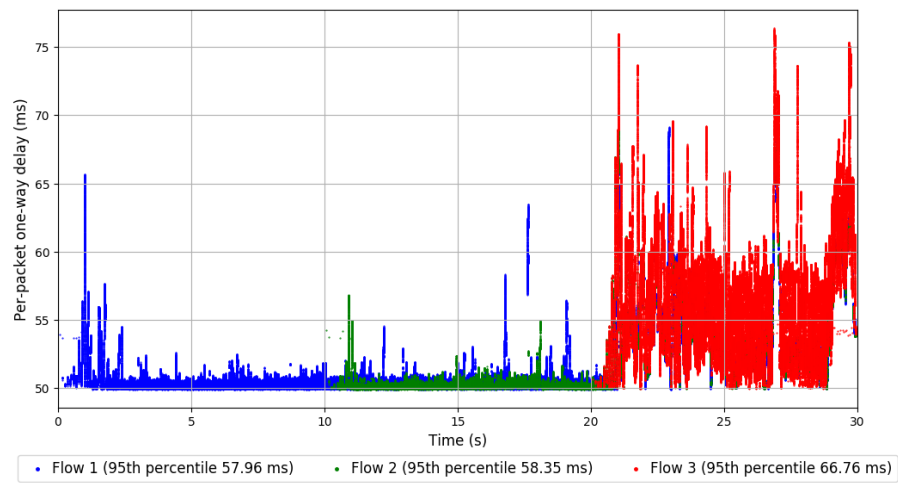
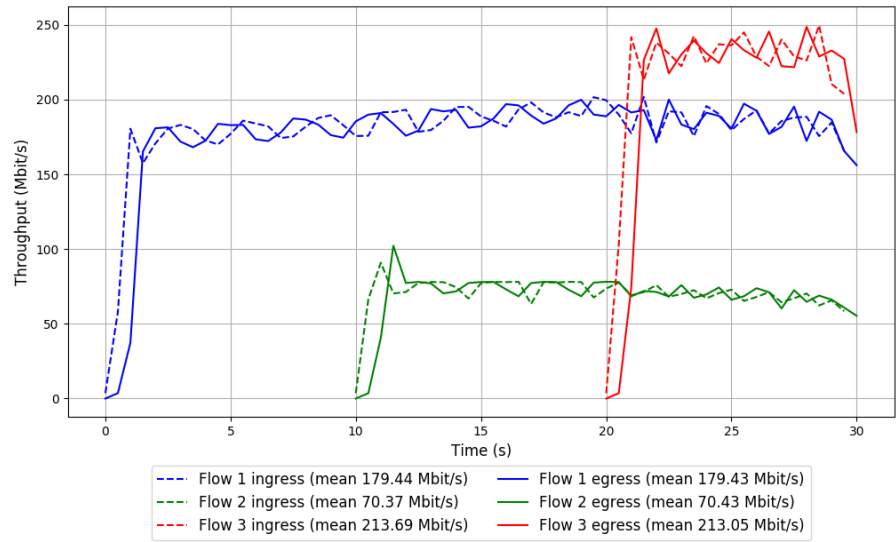


Run 8: Statistics of TCP Vegas

Start at: 2018-07-20 22:58:33
End at: 2018-07-20 22:59:03
Local clock offset: -0.141 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-21 03:14:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.56 Mbit/s
95th percentile per-packet one-way delay: 61.917 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 179.43 Mbit/s
95th percentile per-packet one-way delay: 57.957 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 58.347 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 213.05 Mbit/s
95th percentile per-packet one-way delay: 66.756 ms
Loss rate: 1.10%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-20 23:23:39

End at: 2018-07-20 23:24:09

Local clock offset: -0.247 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-21 03:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.03 Mbit/s

95th percentile per-packet one-way delay: 65.553 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 56.313 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 42.50 Mbit/s

95th percentile per-packet one-way delay: 57.787 ms

Loss rate: 0.55%

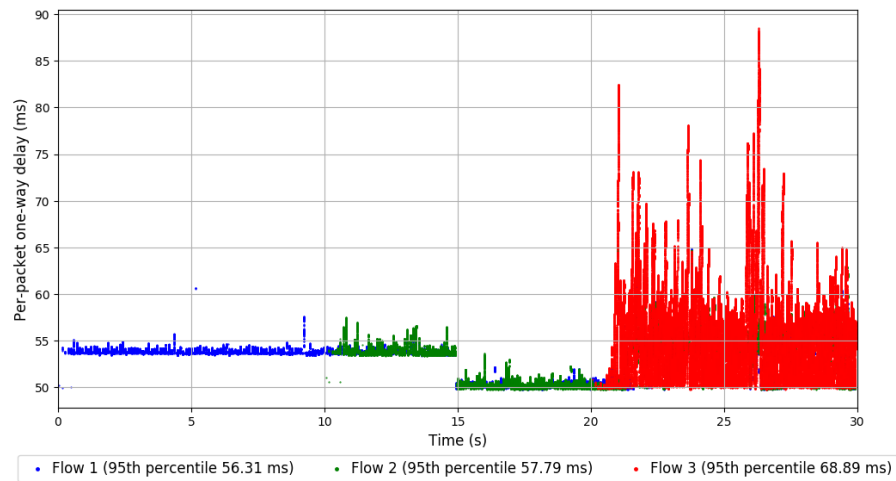
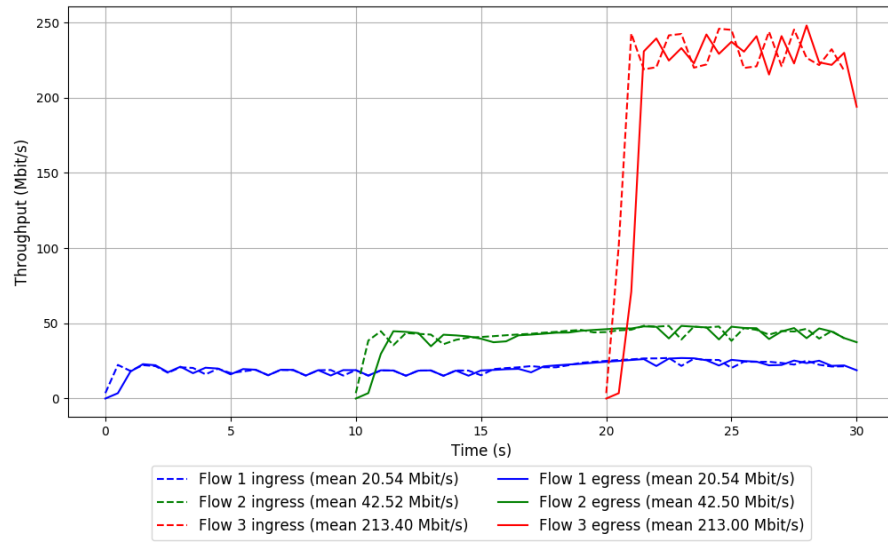
-- Flow 3:

Average throughput: 213.00 Mbit/s

95th percentile per-packet one-way delay: 68.888 ms

Loss rate: 1.21%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-20 23:48:06

End at: 2018-07-20 23:48:36

Local clock offset: -0.086 ms

Remote clock offset: 1.071 ms

Below is generated by plot.py at 2018-07-21 03:16:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.27 Mbit/s

95th percentile per-packet one-way delay: 65.136 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 168.08 Mbit/s

95th percentile per-packet one-way delay: 66.700 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 221.20 Mbit/s

95th percentile per-packet one-way delay: 63.471 ms

Loss rate: 0.60%

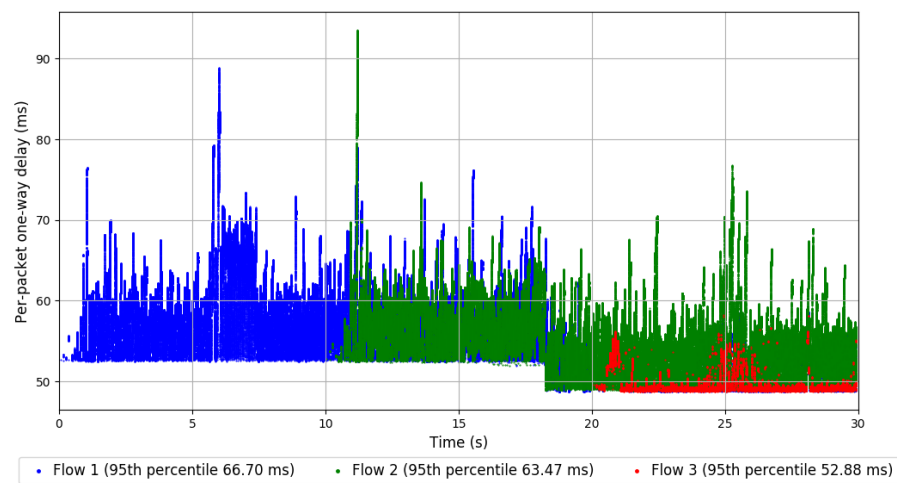
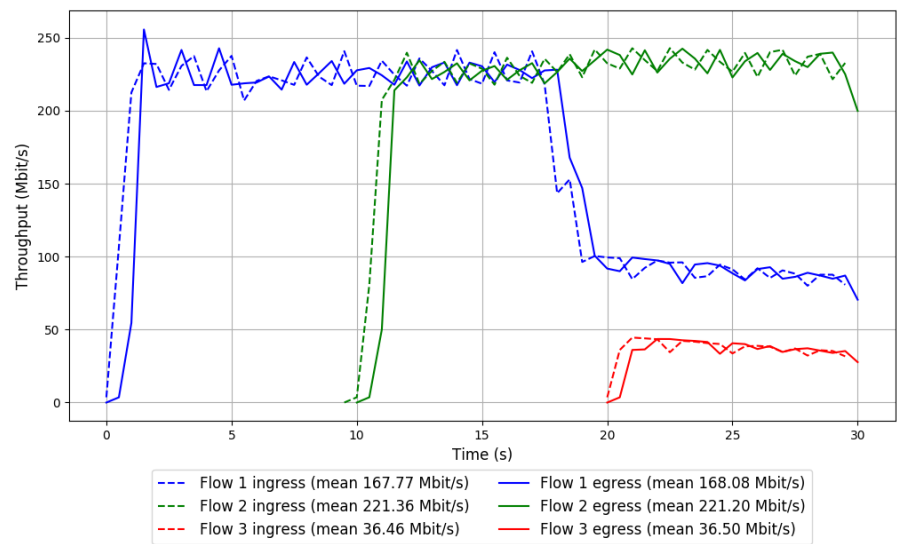
-- Flow 3:

Average throughput: 36.50 Mbit/s

95th percentile per-packet one-way delay: 52.875 ms

Loss rate: 0.95%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-20 20:06:59

End at: 2018-07-20 20:07:29

Local clock offset: -0.043 ms

Remote clock offset: 1.304 ms

Below is generated by plot.py at 2018-07-21 03:17:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.49 Mbit/s

95th percentile per-packet one-way delay: 187.510 ms

Loss rate: 1.92%

-- Flow 1:

Average throughput: 189.53 Mbit/s

95th percentile per-packet one-way delay: 158.992 ms

Loss rate: 2.39%

-- Flow 2:

Average throughput: 160.09 Mbit/s

95th percentile per-packet one-way delay: 180.642 ms

Loss rate: 0.63%

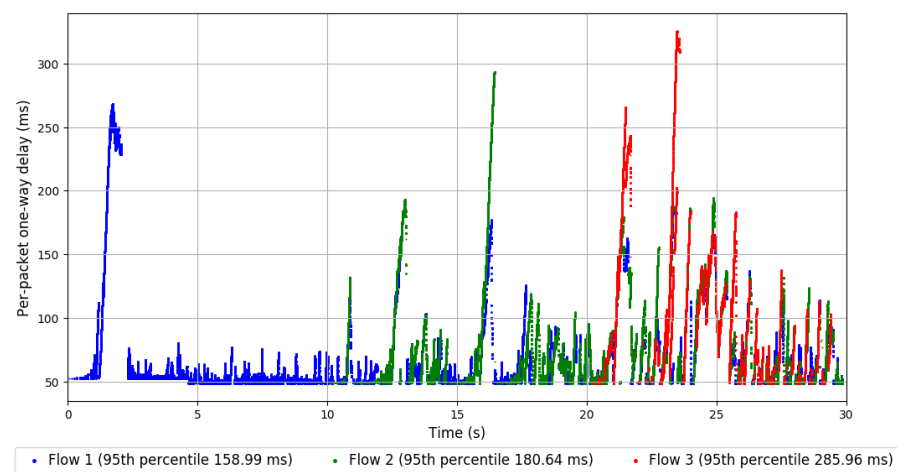
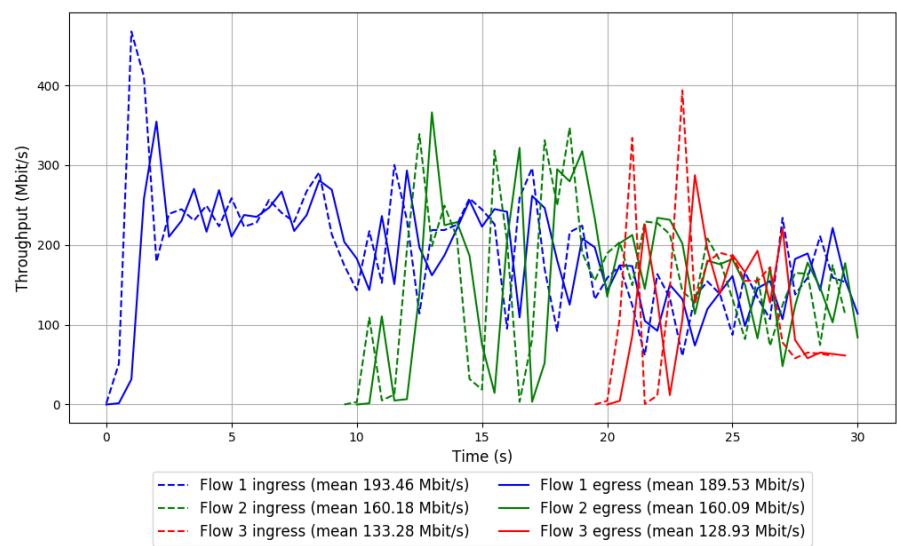
-- Flow 3:

Average throughput: 128.93 Mbit/s

95th percentile per-packet one-way delay: 285.962 ms

Loss rate: 3.03%

Run 1: Report of Verus — Data Link

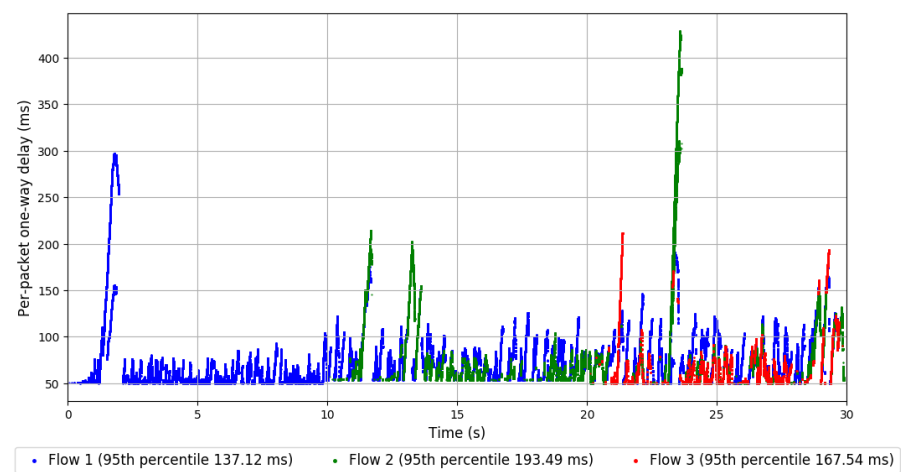
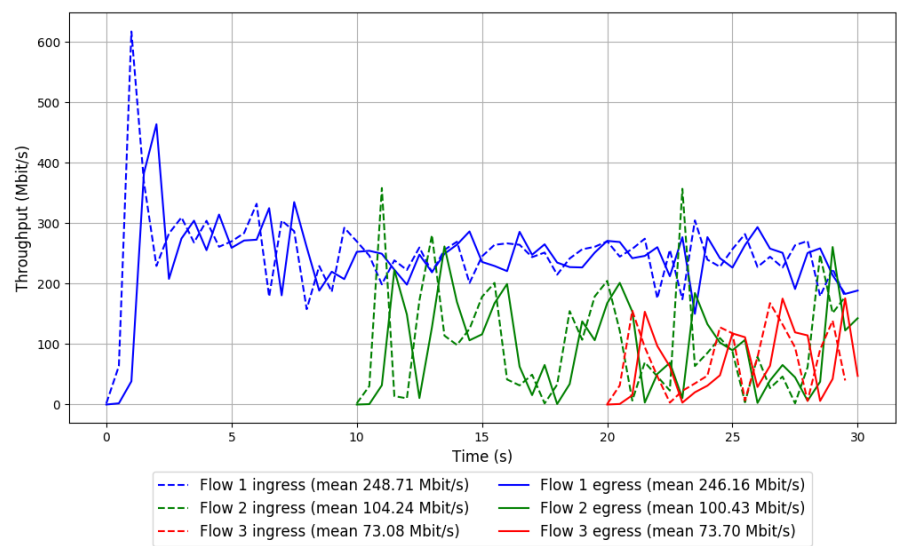


Run 2: Statistics of Verus

Start at: 2018-07-20 20:32:14
End at: 2018-07-20 20:32:44
Local clock offset: -0.069 ms
Remote clock offset: -0.256 ms

Below is generated by plot.py at 2018-07-21 03:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.28 Mbit/s
95th percentile per-packet one-way delay: 154.947 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 246.16 Mbit/s
95th percentile per-packet one-way delay: 137.124 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 100.43 Mbit/s
95th percentile per-packet one-way delay: 193.487 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 73.70 Mbit/s
95th percentile per-packet one-way delay: 167.541 ms
Loss rate: 0.28%

Run 2: Report of Verus — Data Link

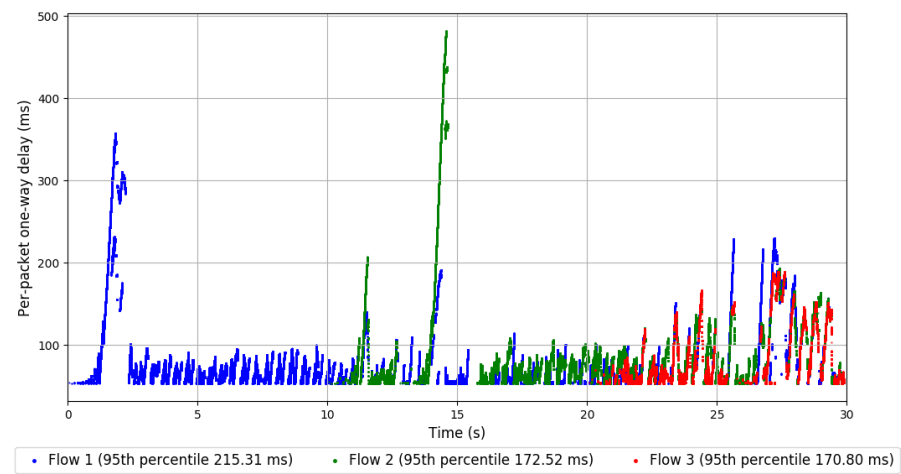
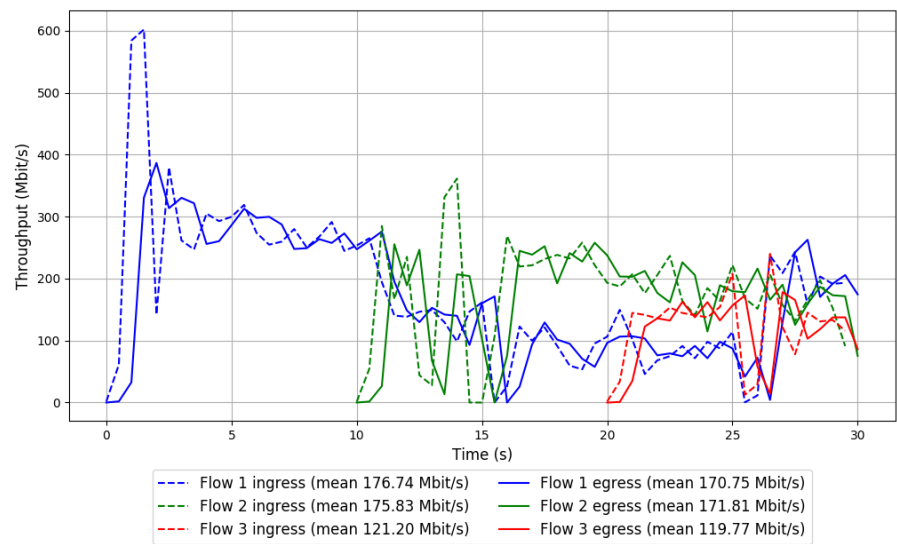


Run 3: Statistics of Verus

Start at: 2018-07-20 20:57:42
End at: 2018-07-20 20:58:12
Local clock offset: -0.044 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-21 03:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.01 Mbit/s
95th percentile per-packet one-way delay: 185.716 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 170.75 Mbit/s
95th percentile per-packet one-way delay: 215.306 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 171.81 Mbit/s
95th percentile per-packet one-way delay: 172.522 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 119.77 Mbit/s
95th percentile per-packet one-way delay: 170.801 ms
Loss rate: 2.24%

Run 3: Report of Verus — Data Link

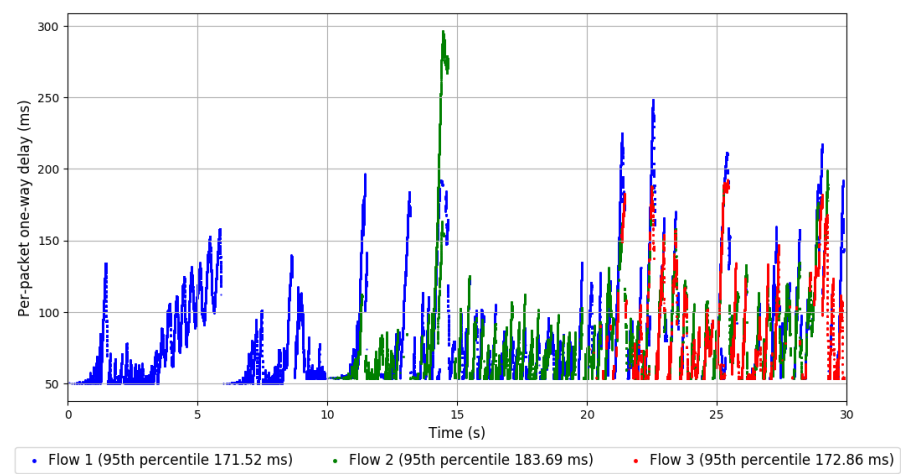
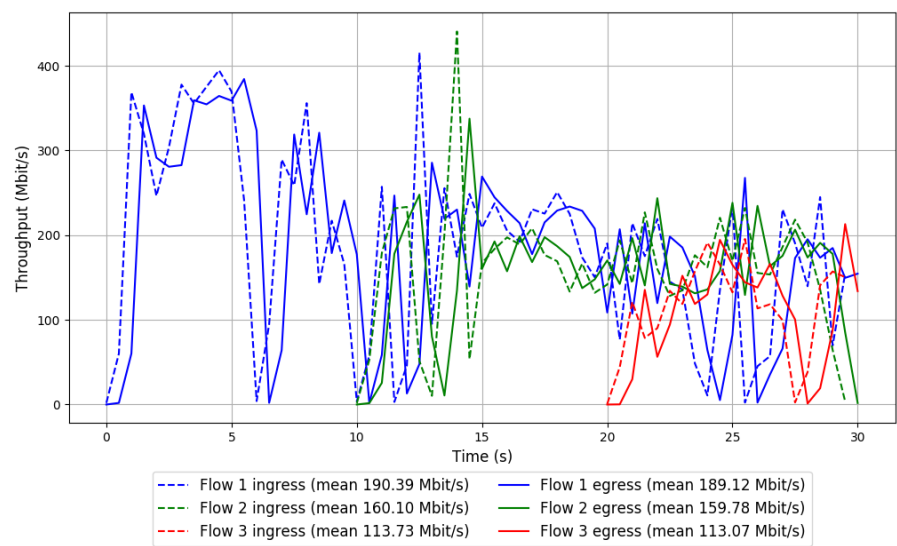


Run 4: Statistics of Verus

Start at: 2018-07-20 21:23:05
End at: 2018-07-20 21:23:35
Local clock offset: -0.011 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-21 03:18:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.12 Mbit/s
95th percentile per-packet one-way delay: 173.620 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 189.12 Mbit/s
95th percentile per-packet one-way delay: 171.522 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 159.78 Mbit/s
95th percentile per-packet one-way delay: 183.686 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 113.07 Mbit/s
95th percentile per-packet one-way delay: 172.859 ms
Loss rate: 1.84%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-20 21:48:16

End at: 2018-07-20 21:48:46

Local clock offset: -0.167 ms

Remote clock offset: 1.446 ms

Below is generated by plot.py at 2018-07-21 03:18:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.56 Mbit/s

95th percentile per-packet one-way delay: 164.114 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 196.45 Mbit/s

95th percentile per-packet one-way delay: 173.430 ms

Loss rate: 2.87%

-- Flow 2:

Average throughput: 185.19 Mbit/s

95th percentile per-packet one-way delay: 156.029 ms

Loss rate: 0.66%

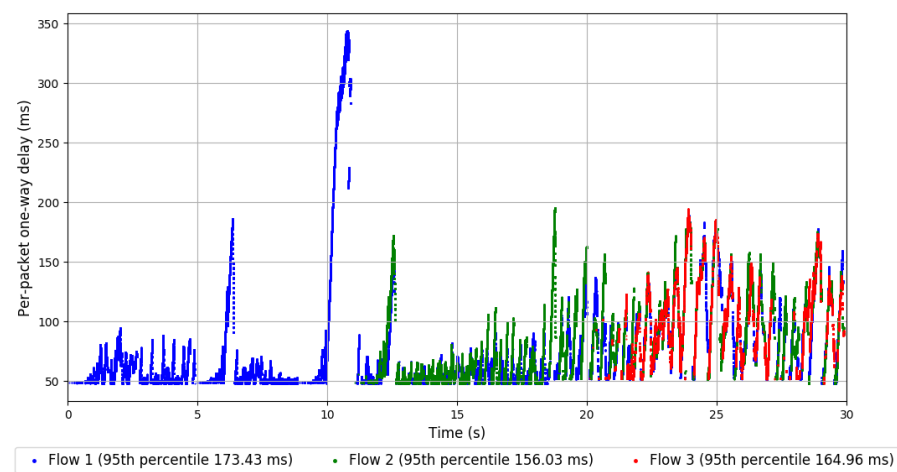
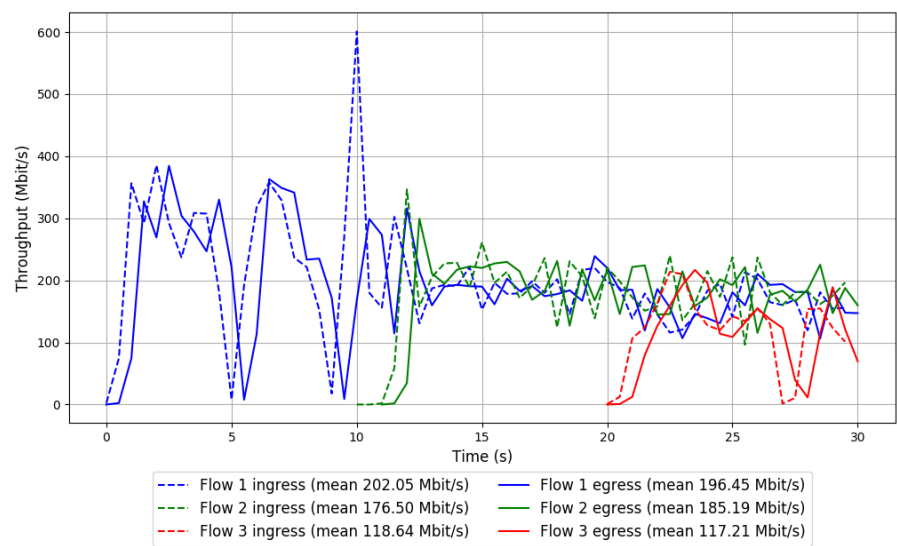
-- Flow 3:

Average throughput: 117.21 Mbit/s

95th percentile per-packet one-way delay: 164.962 ms

Loss rate: 1.72%

Run 5: Report of Verus — Data Link

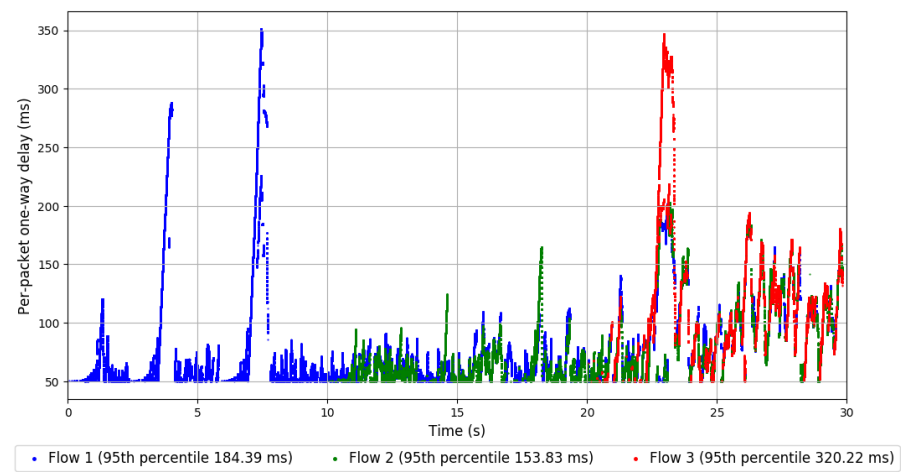
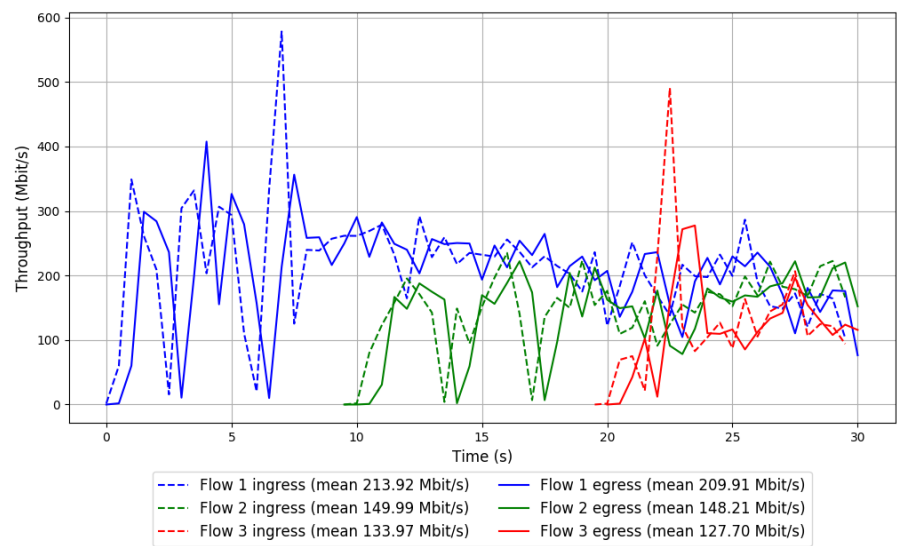


Run 6: Statistics of Verus

Start at: 2018-07-20 22:13:03
End at: 2018-07-20 22:13:33
Local clock offset: -0.267 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-21 03:21:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.17 Mbit/s
95th percentile per-packet one-way delay: 187.524 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 209.91 Mbit/s
95th percentile per-packet one-way delay: 184.391 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 148.21 Mbit/s
95th percentile per-packet one-way delay: 153.827 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 127.70 Mbit/s
95th percentile per-packet one-way delay: 320.224 ms
Loss rate: 4.82%

Run 6: Report of Verus — Data Link

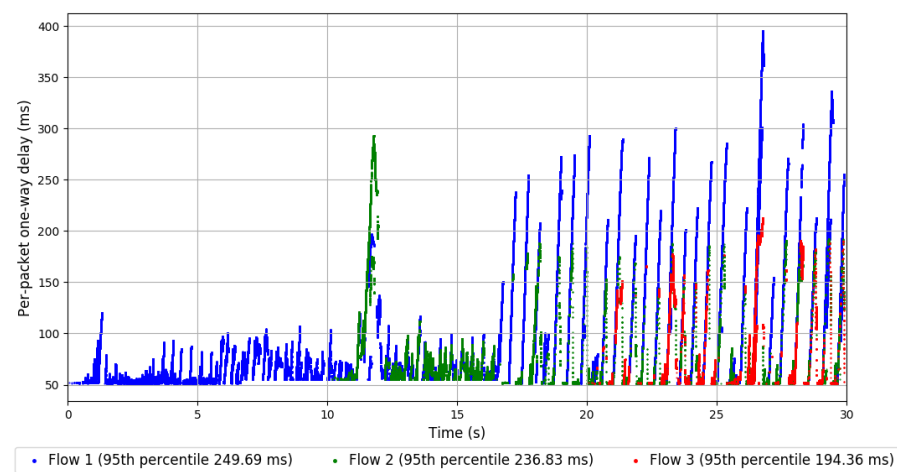
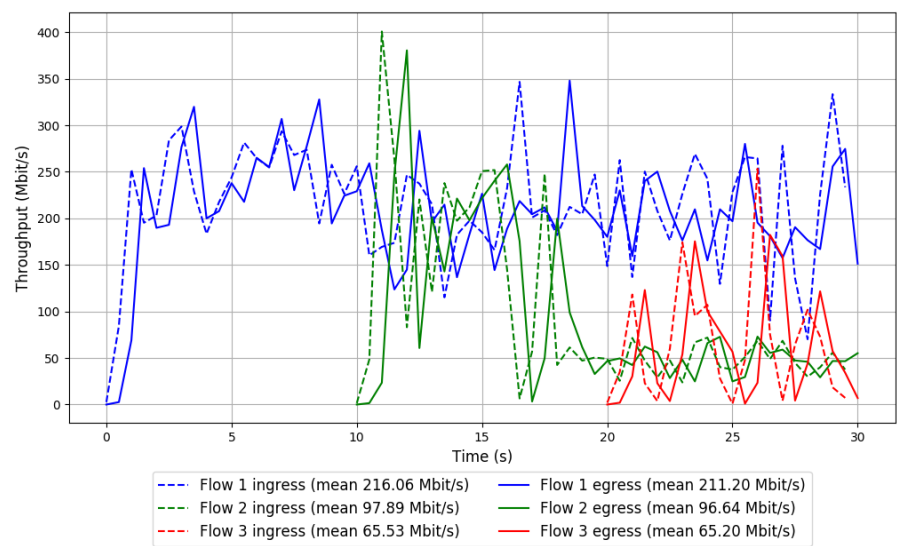


Run 7: Statistics of Verus

Start at: 2018-07-20 22:37:57
End at: 2018-07-20 22:38:27
Local clock offset: 0.013 ms
Remote clock offset: -1.436 ms

Below is generated by plot.py at 2018-07-21 03:21:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.82 Mbit/s
95th percentile per-packet one-way delay: 242.528 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 211.20 Mbit/s
95th percentile per-packet one-way delay: 249.685 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 236.830 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 194.363 ms
Loss rate: 0.94%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-20 23:03:00

End at: 2018-07-20 23:03:30

Local clock offset: -0.264 ms

Remote clock offset: 1.456 ms

Below is generated by plot.py at 2018-07-21 03:23:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.95 Mbit/s

95th percentile per-packet one-way delay: 178.910 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 190.65 Mbit/s

95th percentile per-packet one-way delay: 180.701 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 180.10 Mbit/s

95th percentile per-packet one-way delay: 161.069 ms

Loss rate: 1.42%

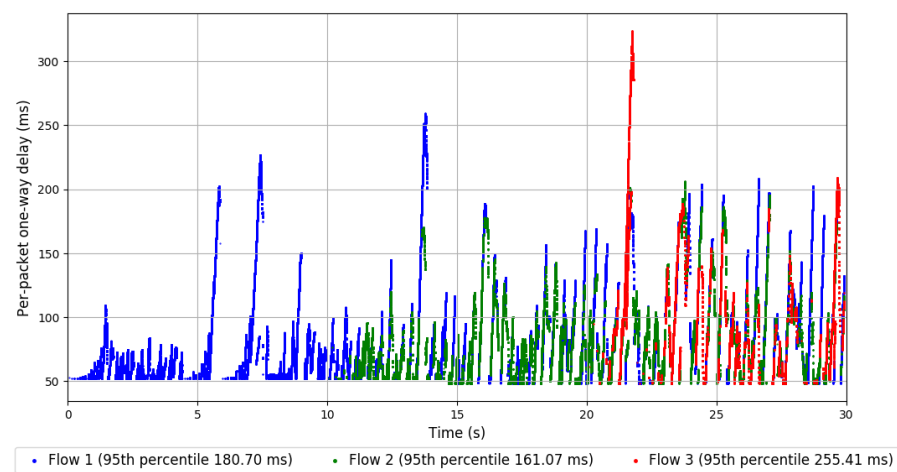
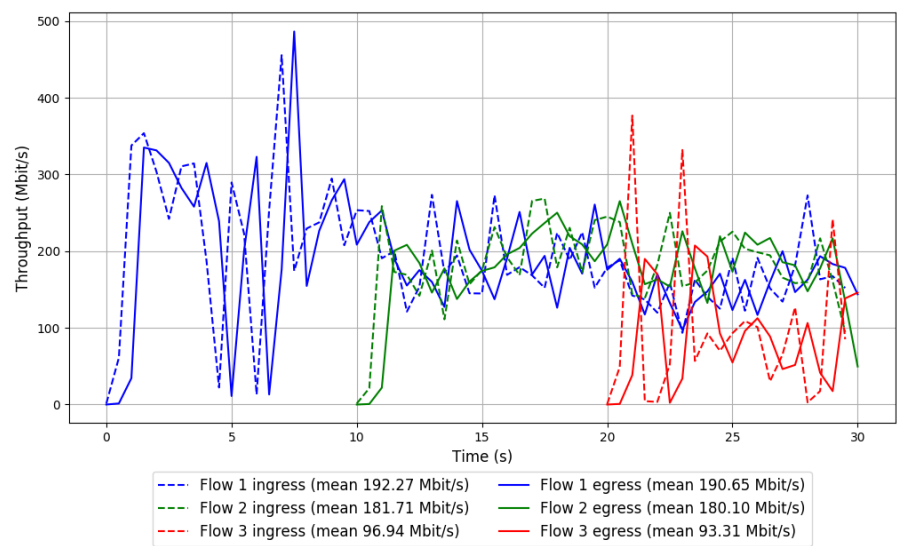
-- Flow 3:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 255.405 ms

Loss rate: 4.33%

Run 8: Report of Verus — Data Link

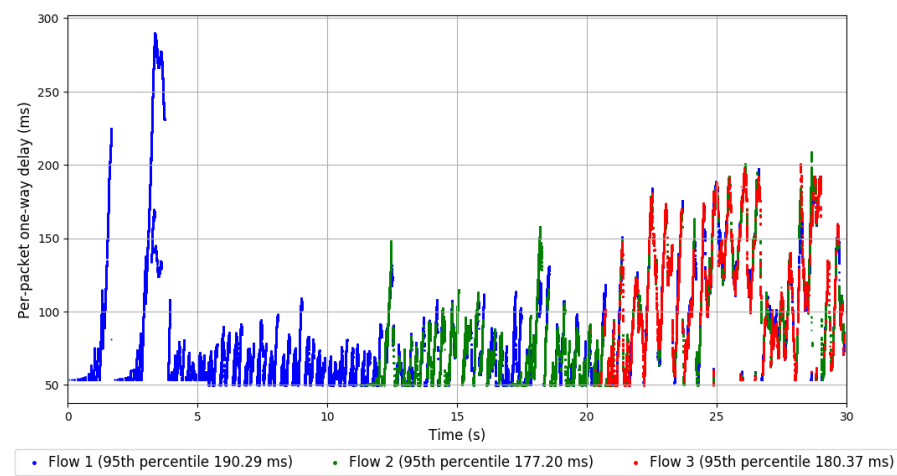
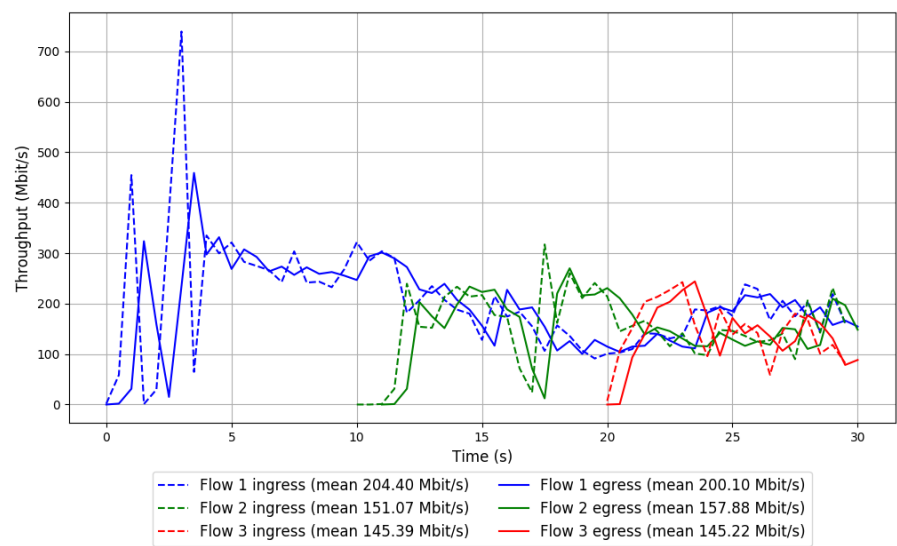


Run 9: Statistics of Verus

Start at: 2018-07-20 23:27:49
End at: 2018-07-20 23:28:19
Local clock offset: -0.392 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-21 03:23:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.35 Mbit/s
95th percentile per-packet one-way delay: 182.447 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 200.10 Mbit/s
95th percentile per-packet one-way delay: 190.287 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 177.201 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 145.22 Mbit/s
95th percentile per-packet one-way delay: 180.370 ms
Loss rate: 1.51%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-20 23:52:35

End at: 2018-07-20 23:53:05

Local clock offset: 0.075 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-21 03:23:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.07 Mbit/s

95th percentile per-packet one-way delay: 198.127 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 152.87 Mbit/s

95th percentile per-packet one-way delay: 170.513 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 120.85 Mbit/s

95th percentile per-packet one-way delay: 225.778 ms

Loss rate: 2.95%

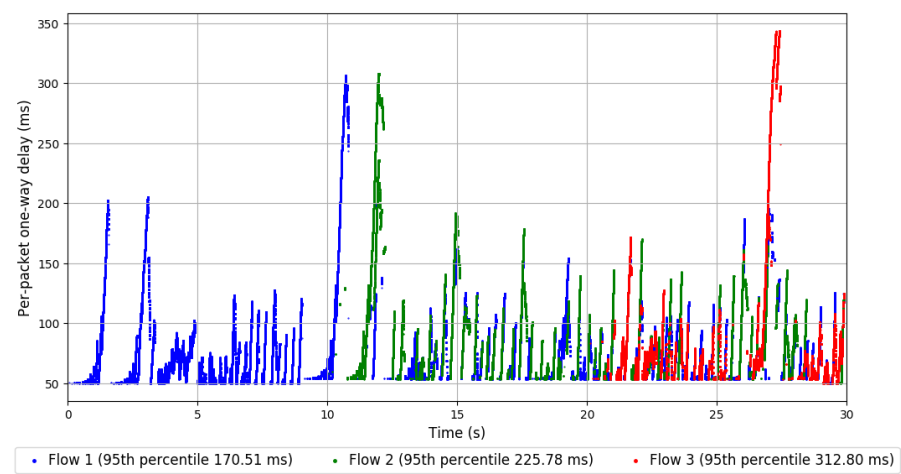
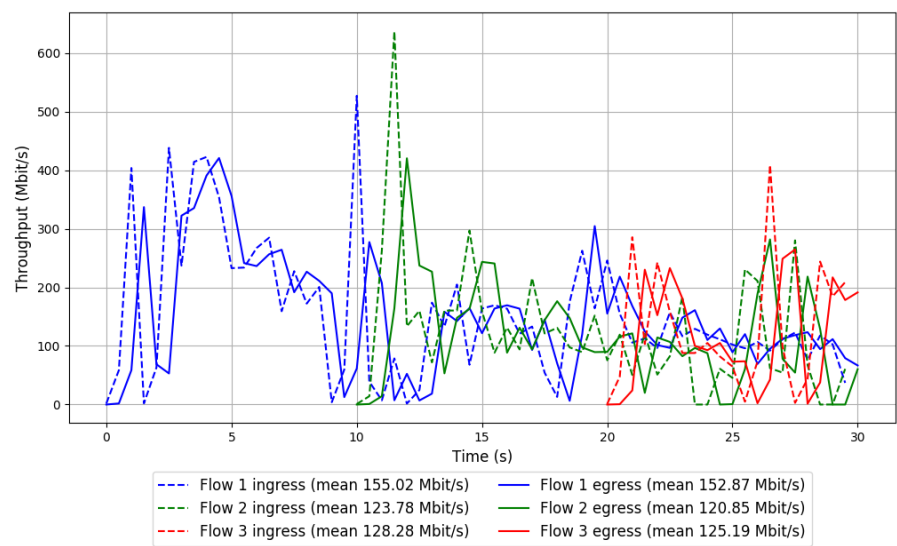
-- Flow 3:

Average throughput: 125.19 Mbit/s

95th percentile per-packet one-way delay: 312.796 ms

Loss rate: 3.36%

Run 10: Report of Verus — Data Link

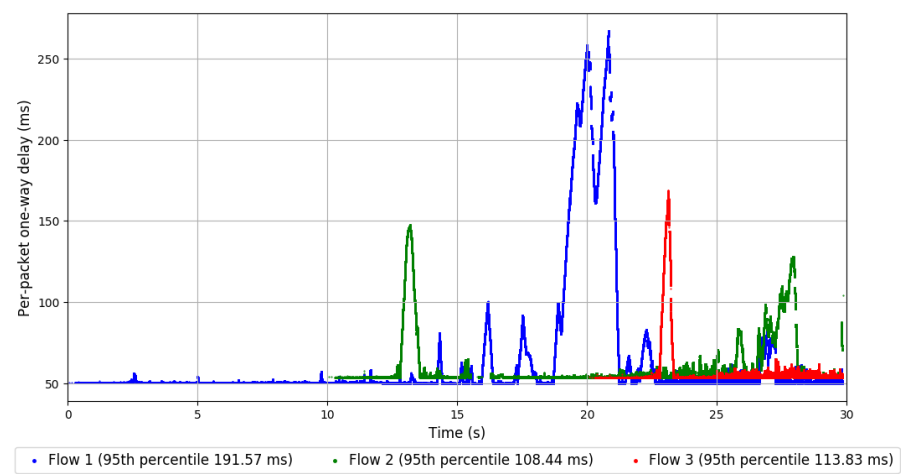
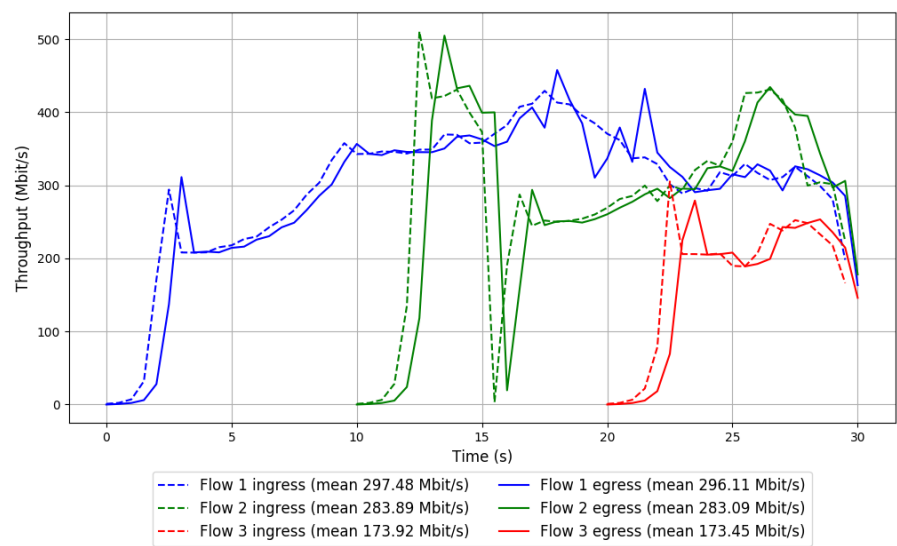


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-20 20:19:42
End at: 2018-07-20 20:20:12
Local clock offset: 0.045 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-21 03:28:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.64 Mbit/s
95th percentile per-packet one-way delay: 138.062 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 296.11 Mbit/s
95th percentile per-packet one-way delay: 191.567 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 283.09 Mbit/s
95th percentile per-packet one-way delay: 108.439 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 173.45 Mbit/s
95th percentile per-packet one-way delay: 113.830 ms
Loss rate: 1.33%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-20 20:45:16

End at: 2018-07-20 20:45:46

Local clock offset: -0.048 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-21 03:28:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 506.47 Mbit/s

95th percentile per-packet one-way delay: 134.128 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 285.11 Mbit/s

95th percentile per-packet one-way delay: 65.922 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 287.31 Mbit/s

95th percentile per-packet one-way delay: 153.153 ms

Loss rate: 0.55%

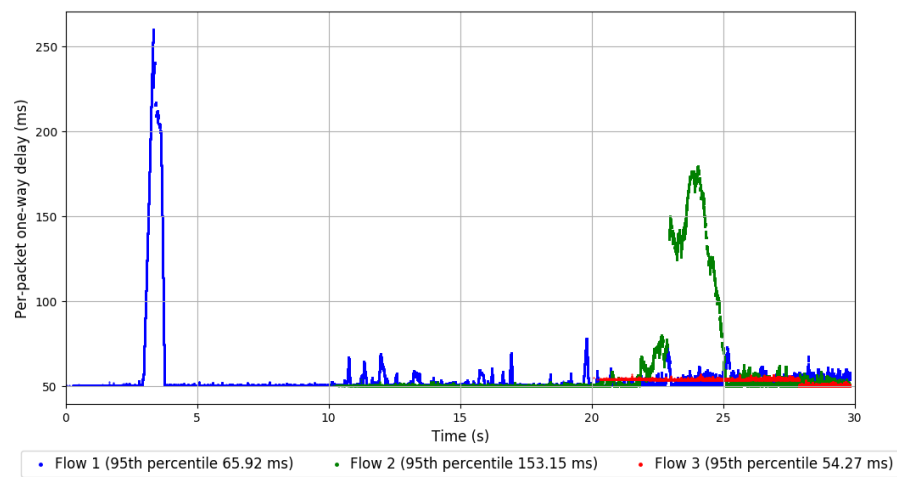
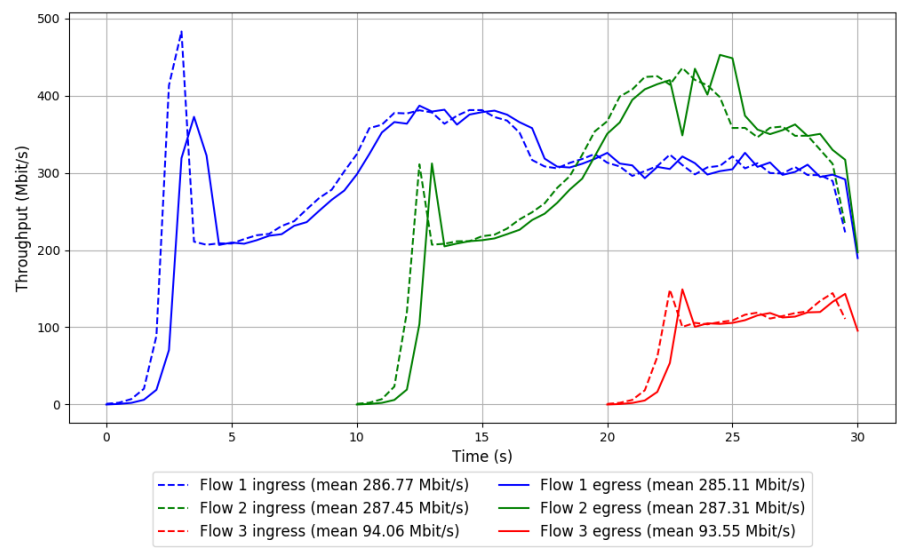
-- Flow 3:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 54.274 ms

Loss rate: 1.60%

Run 2: Report of PCC-Vivace — Data Link

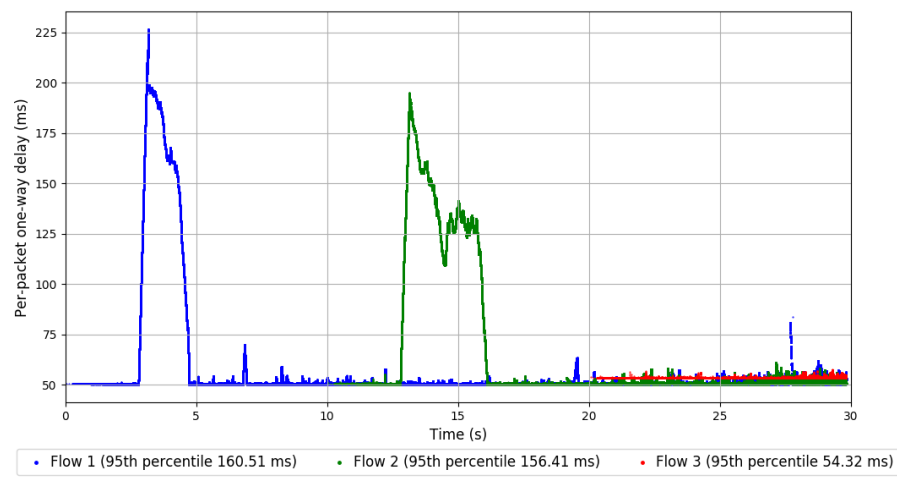
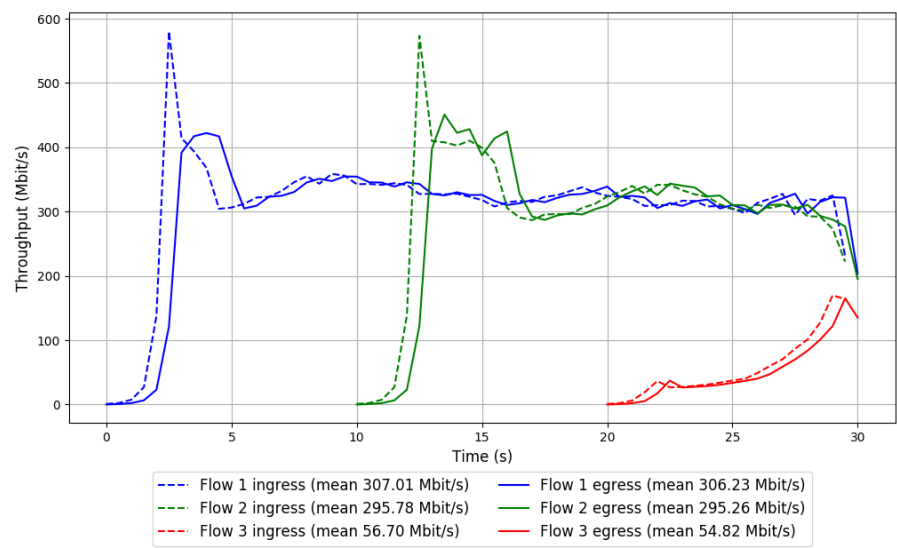


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-20 21:10:37
End at: 2018-07-20 21:11:07
Local clock offset: -0.032 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-21 03:29:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.28 Mbit/s
95th percentile per-packet one-way delay: 156.816 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 306.23 Mbit/s
95th percentile per-packet one-way delay: 160.508 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 295.26 Mbit/s
95th percentile per-packet one-way delay: 156.410 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 54.82 Mbit/s
95th percentile per-packet one-way delay: 54.318 ms
Loss rate: 4.42%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-20 21:35:57

End at: 2018-07-20 21:36:27

Local clock offset: -0.007 ms

Remote clock offset: 1.192 ms

Below is generated by plot.py at 2018-07-21 03:29:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 425.80 Mbit/s

95th percentile per-packet one-way delay: 53.999 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 241.55 Mbit/s

95th percentile per-packet one-way delay: 55.080 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 232.76 Mbit/s

95th percentile per-packet one-way delay: 51.854 ms

Loss rate: 0.46%

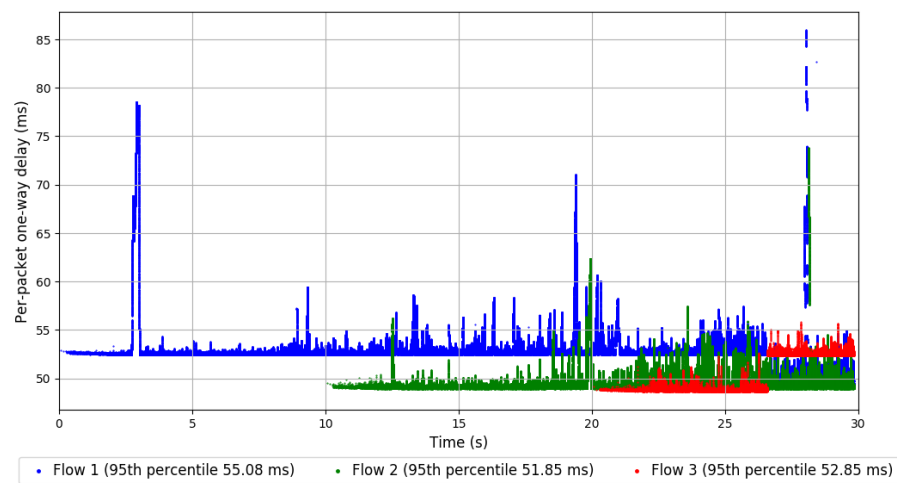
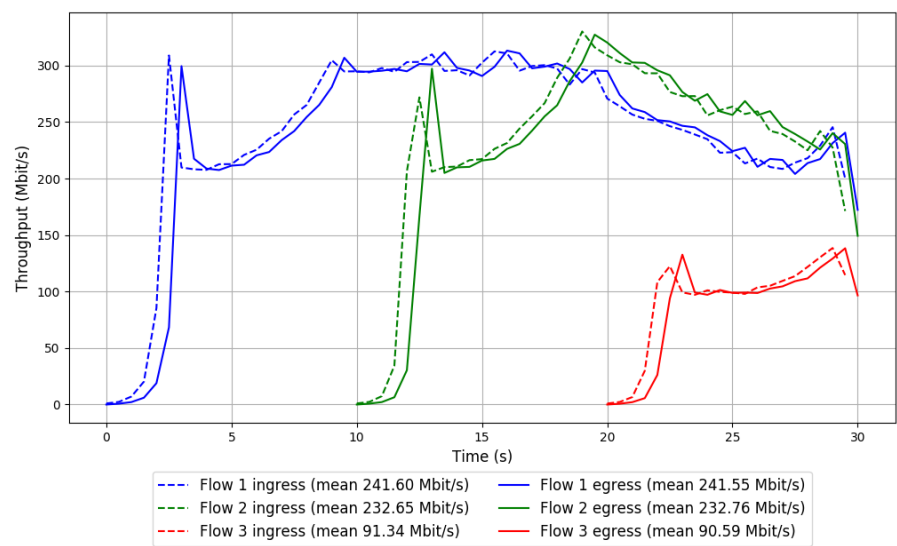
-- Flow 3:

Average throughput: 90.59 Mbit/s

95th percentile per-packet one-way delay: 52.850 ms

Loss rate: 1.84%

Run 4: Report of PCC-Vivace — Data Link

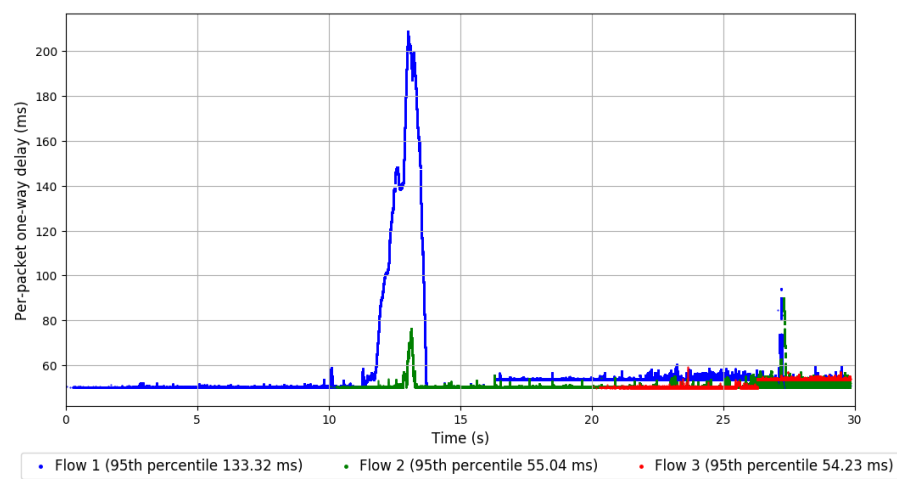
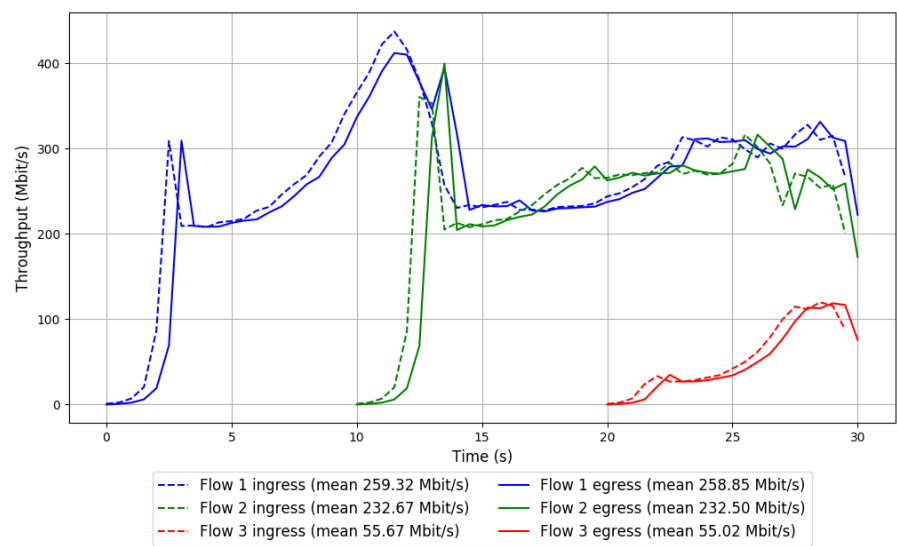


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-20 22:00:58
End at: 2018-07-20 22:01:28
Local clock offset: -0.02 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-21 03:30:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.26 Mbit/s
95th percentile per-packet one-way delay: 85.594 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 258.85 Mbit/s
95th percentile per-packet one-way delay: 133.317 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 232.50 Mbit/s
95th percentile per-packet one-way delay: 55.039 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 54.235 ms
Loss rate: 2.18%

Run 5: Report of PCC-Vivace — Data Link

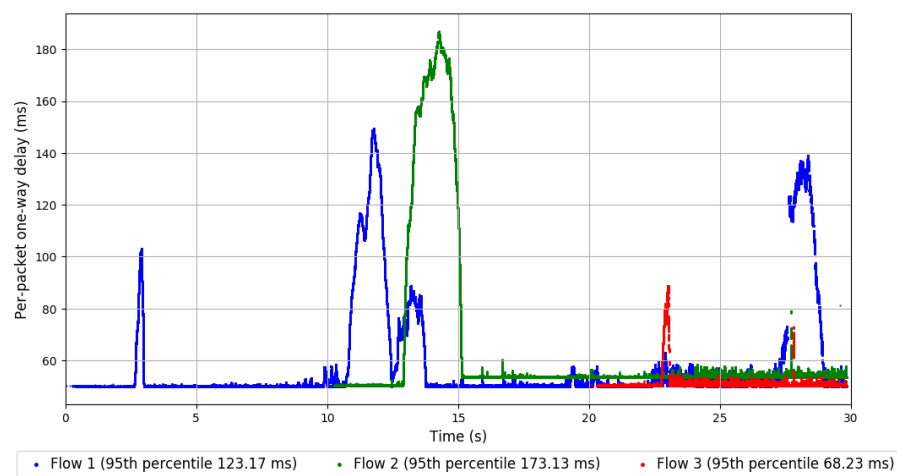
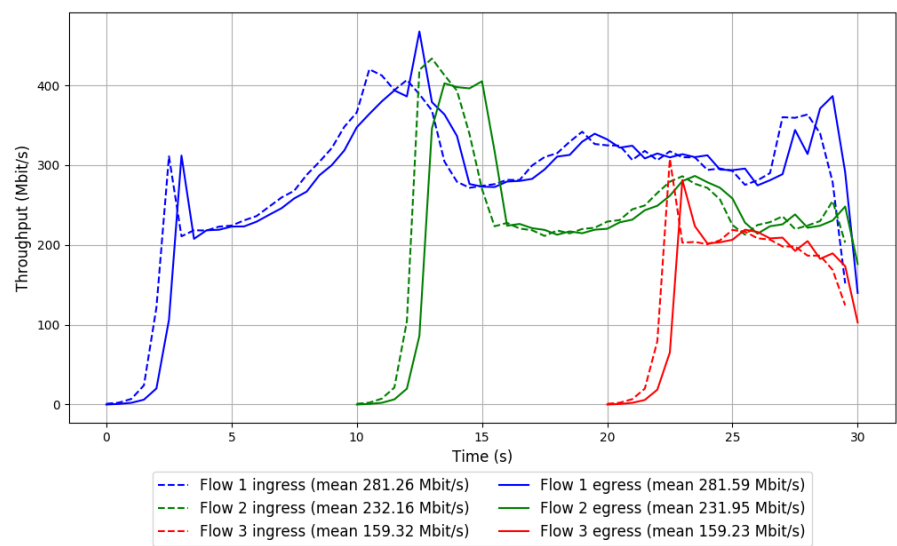


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-20 22:25:41
End at: 2018-07-20 22:26:11
Local clock offset: -0.27 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-21 03:32:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.76 Mbit/s
95th percentile per-packet one-way delay: 137.966 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 281.59 Mbit/s
95th percentile per-packet one-way delay: 123.172 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 231.95 Mbit/s
95th percentile per-packet one-way delay: 173.127 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 159.23 Mbit/s
95th percentile per-packet one-way delay: 68.234 ms
Loss rate: 1.13%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-20 22:50:40

End at: 2018-07-20 22:51:10

Local clock offset: -0.361 ms

Remote clock offset: -1.28 ms

Below is generated by plot.py at 2018-07-21 03:32:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.16 Mbit/s

95th percentile per-packet one-way delay: 67.908 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 259.59 Mbit/s

95th percentile per-packet one-way delay: 129.709 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 259.80 Mbit/s

95th percentile per-packet one-way delay: 59.343 ms

Loss rate: 0.75%

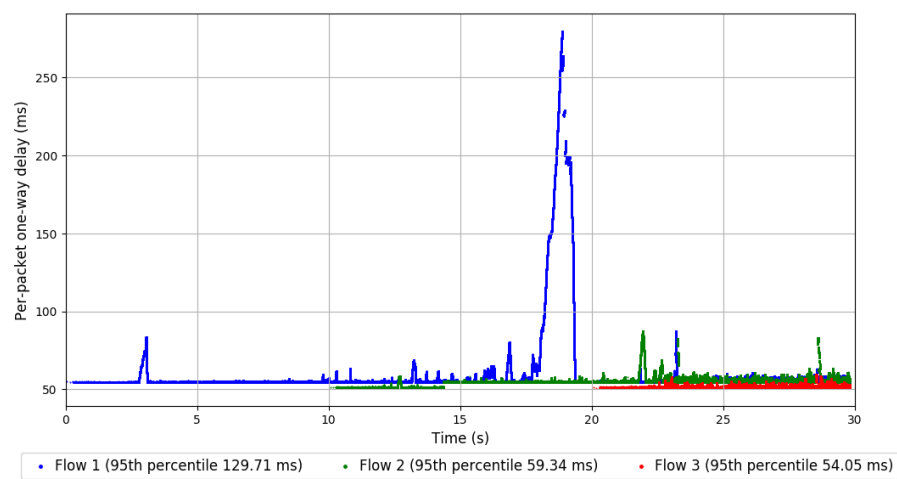
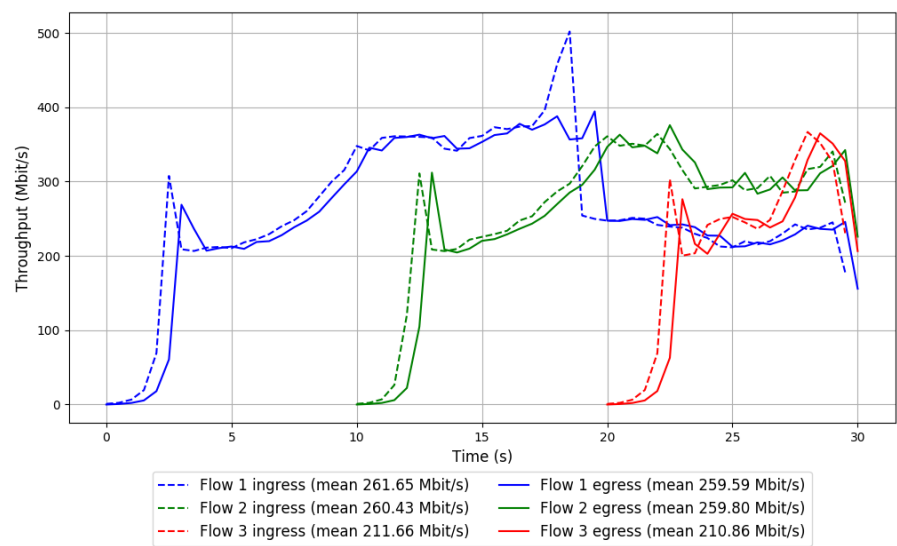
-- Flow 3:

Average throughput: 210.86 Mbit/s

95th percentile per-packet one-way delay: 54.051 ms

Loss rate: 1.41%

Run 7: Report of PCC-Vivace — Data Link

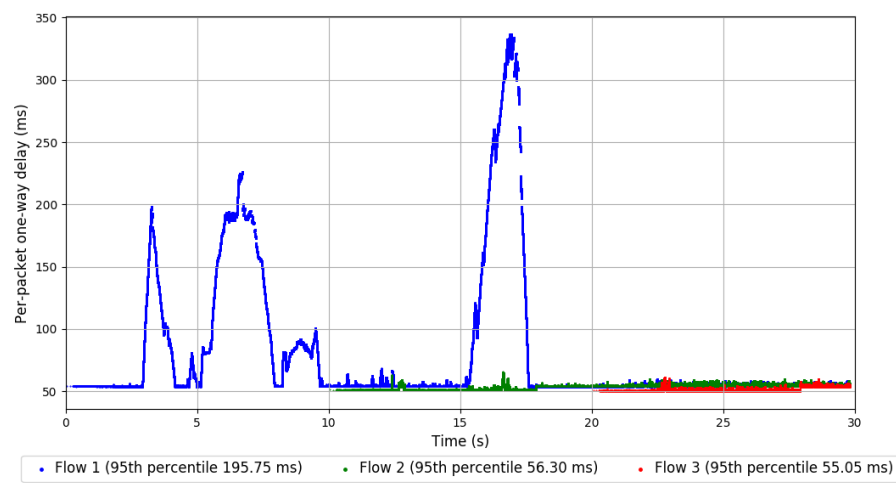
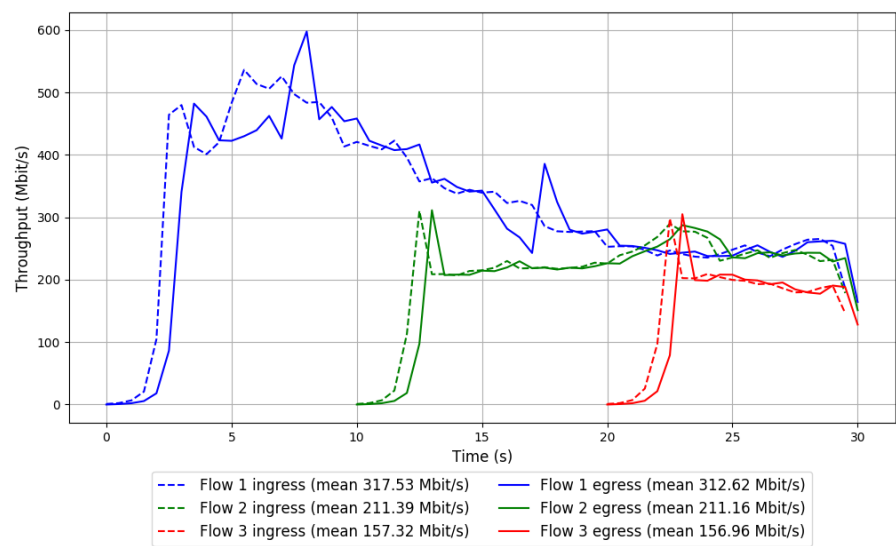


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-20 23:15:46
End at: 2018-07-20 23:16:16
Local clock offset: -0.01 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-21 03:32:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 504.29 Mbit/s
95th percentile per-packet one-way delay: 189.549 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 312.62 Mbit/s
95th percentile per-packet one-way delay: 195.752 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 211.16 Mbit/s
95th percentile per-packet one-way delay: 56.300 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 156.96 Mbit/s
95th percentile per-packet one-way delay: 55.055 ms
Loss rate: 1.25%

Run 8: Report of PCC-Vivace — Data Link

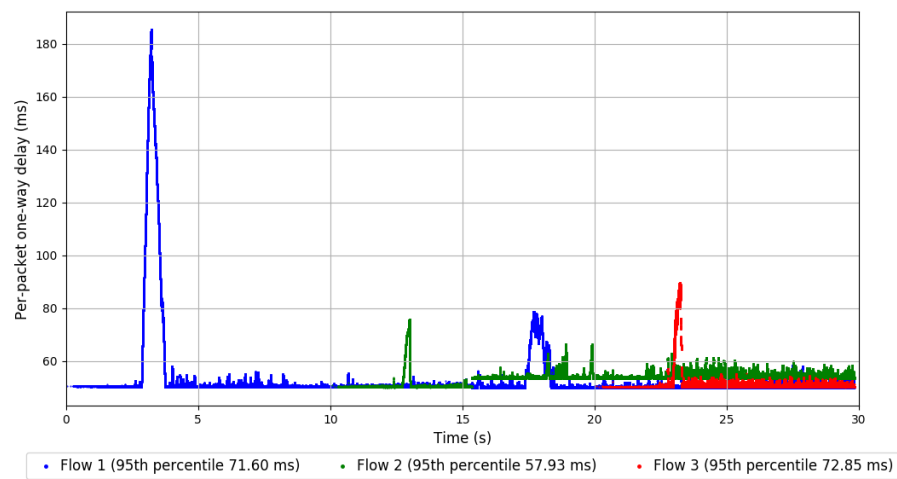
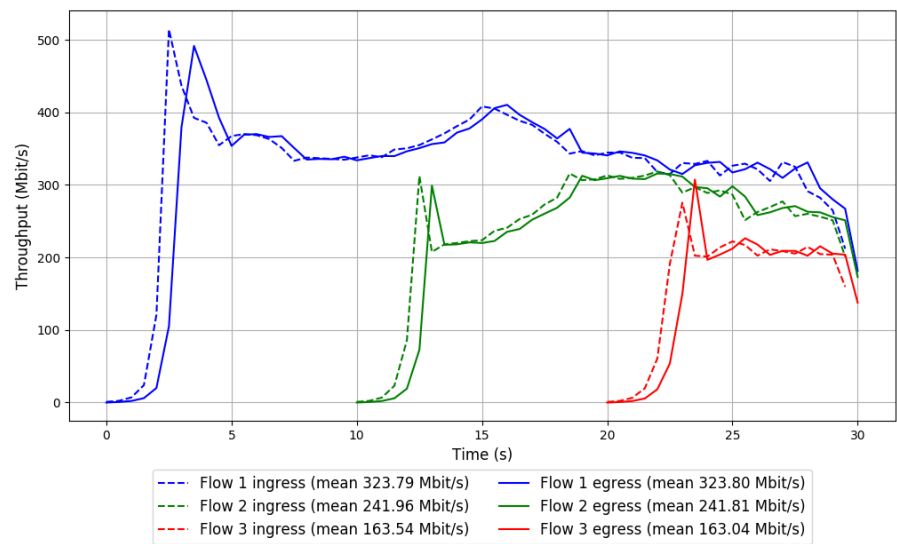


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-20 23:40:09
End at: 2018-07-20 23:40:39
Local clock offset: -0.201 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 537.73 Mbit/s
95th percentile per-packet one-way delay: 64.374 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 323.80 Mbit/s
95th percentile per-packet one-way delay: 71.597 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 241.81 Mbit/s
95th percentile per-packet one-way delay: 57.932 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 163.04 Mbit/s
95th percentile per-packet one-way delay: 72.854 ms
Loss rate: 1.33%

Run 9: Report of PCC-Vivace — Data Link

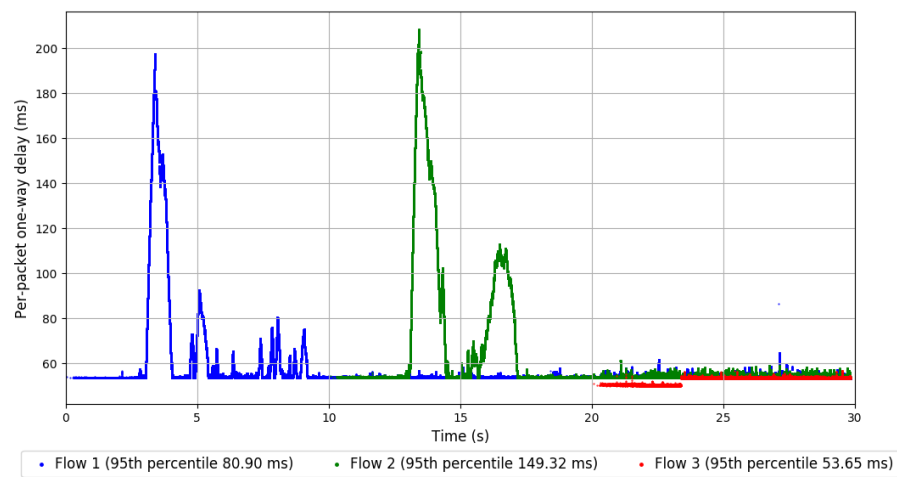
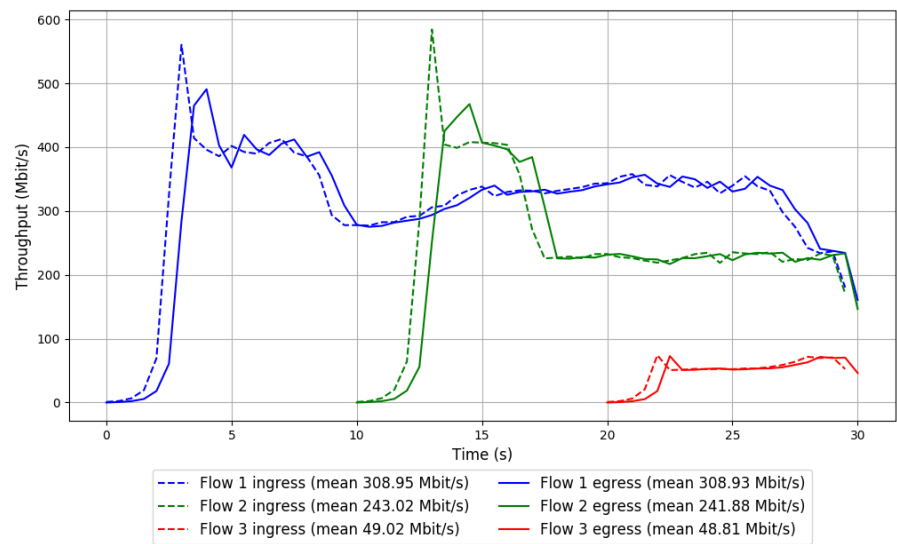


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-21 00:05:11
End at: 2018-07-21 00:05:41
Local clock offset: -0.135 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.49 Mbit/s
95th percentile per-packet one-way delay: 114.427 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 308.93 Mbit/s
95th percentile per-packet one-way delay: 80.900 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 241.88 Mbit/s
95th percentile per-packet one-way delay: 149.321 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 48.81 Mbit/s
95th percentile per-packet one-way delay: 53.654 ms
Loss rate: 1.44%

Run 10: Report of PCC-Vivace — Data Link

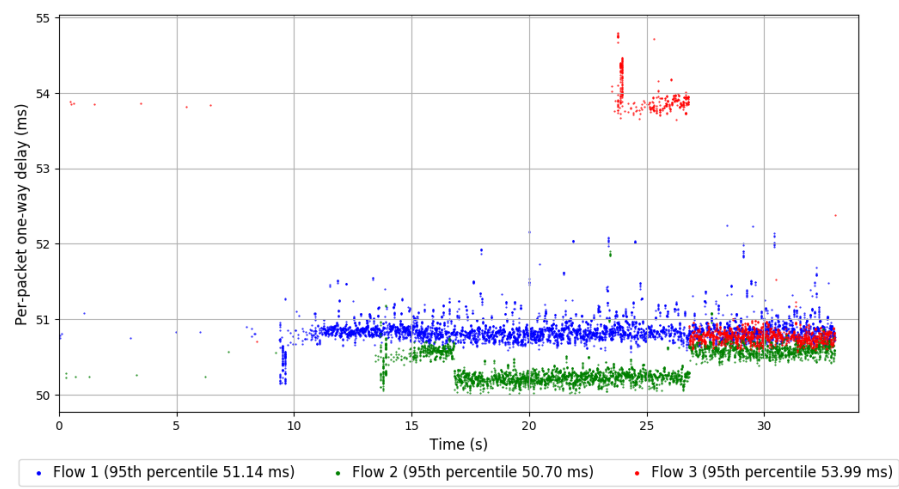
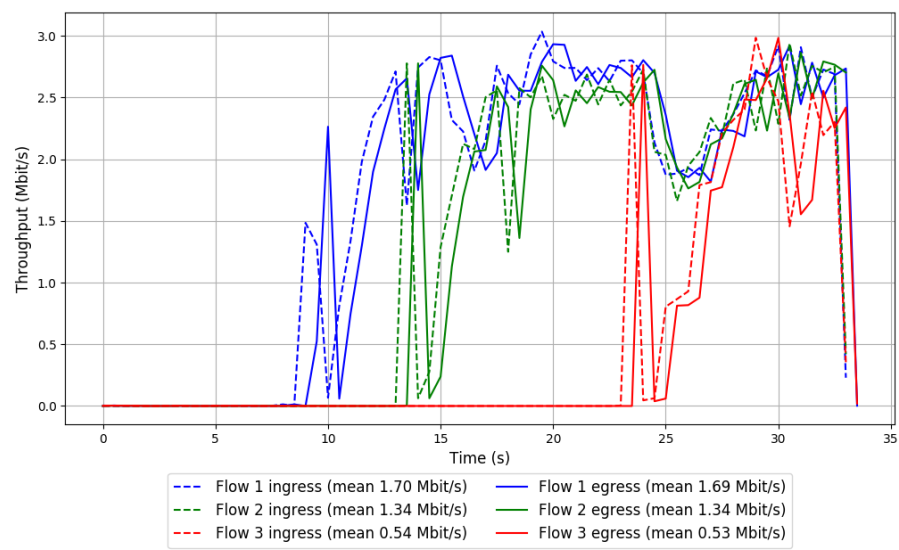


Run 1: Statistics of WebRTC media

Start at: 2018-07-20 20:11:40
End at: 2018-07-20 20:12:10
Local clock offset: -0.052 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 51.138 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.695 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.993 ms
Loss rate: 1.47%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-20 20:37:01

End at: 2018-07-20 20:37:31

Local clock offset: 0.111 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-21 03:33:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 54.301 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 51.025 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 54.354 ms

Loss rate: 0.52%

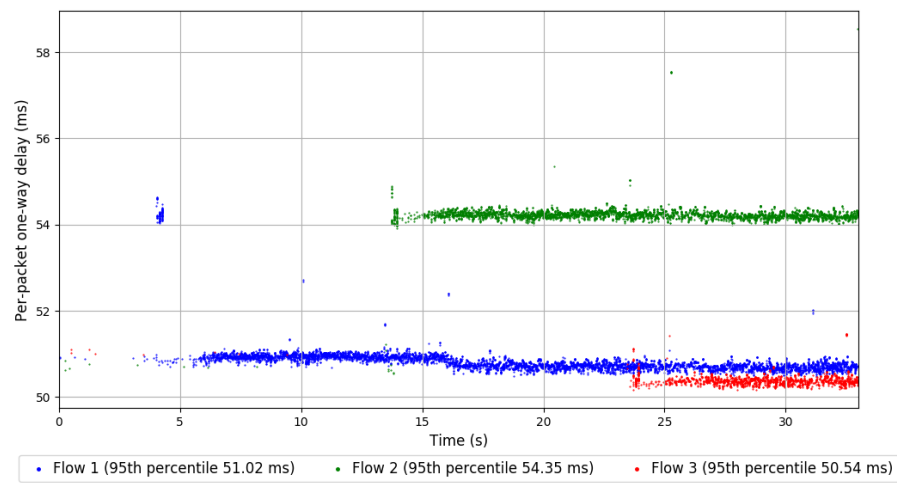
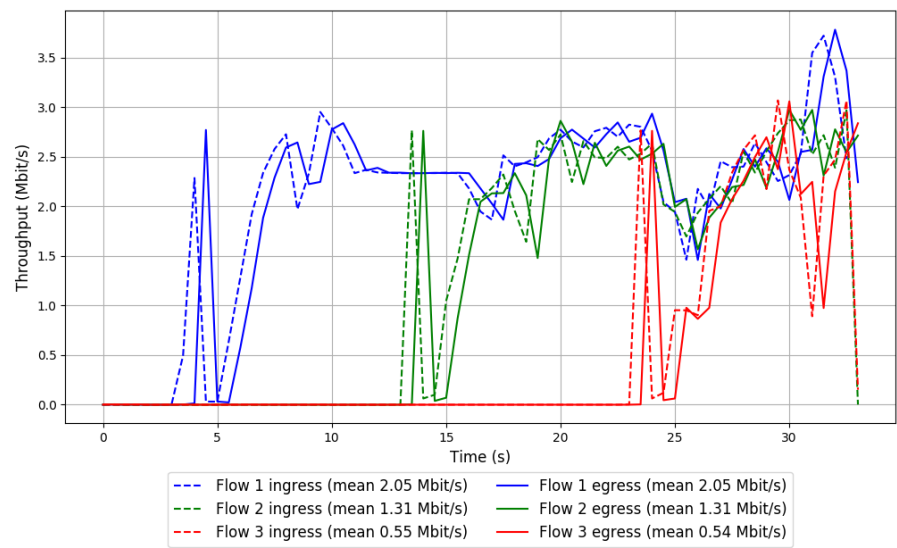
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 1.57%

Run 2: Report of WebRTC media — Data Link

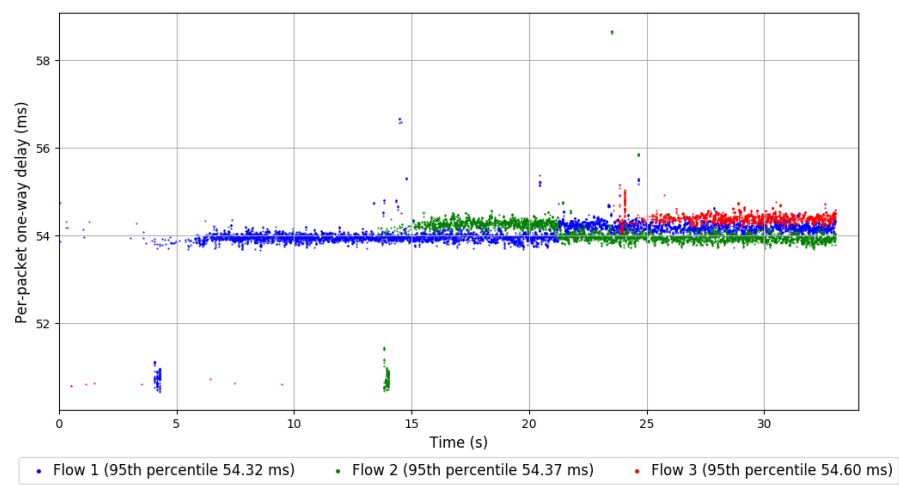
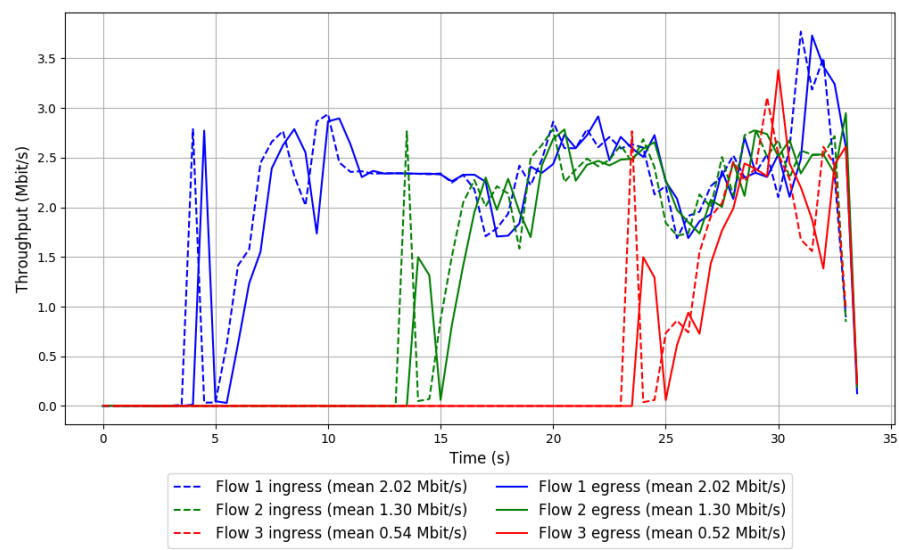


Run 3: Statistics of WebRTC media

Start at: 2018-07-20 21:02:16
End at: 2018-07-20 21:02:46
Local clock offset: 0.124 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 54.448 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 54.322 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 54.367 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 54.597 ms
Loss rate: 2.79%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-20 21:27:43

End at: 2018-07-20 21:28:13

Local clock offset: -0.237 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2018-07-21 03:33:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 53.525 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.263 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 53.594 ms

Loss rate: 0.49%

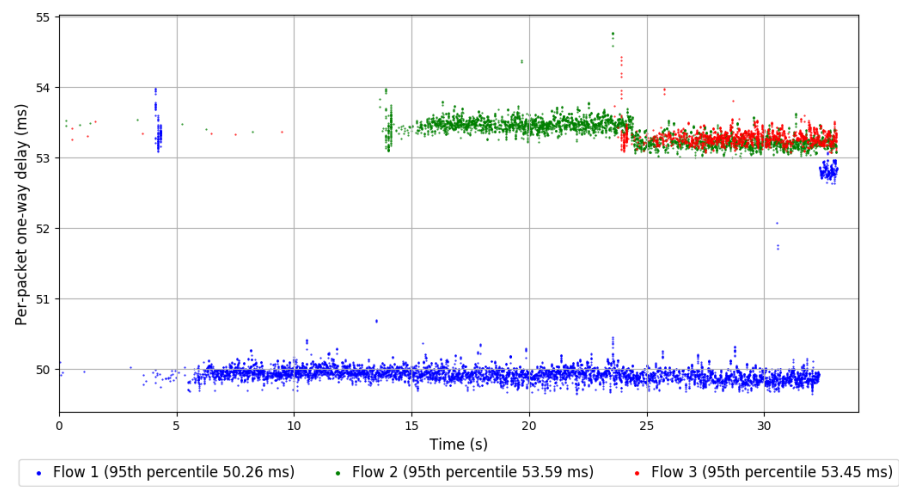
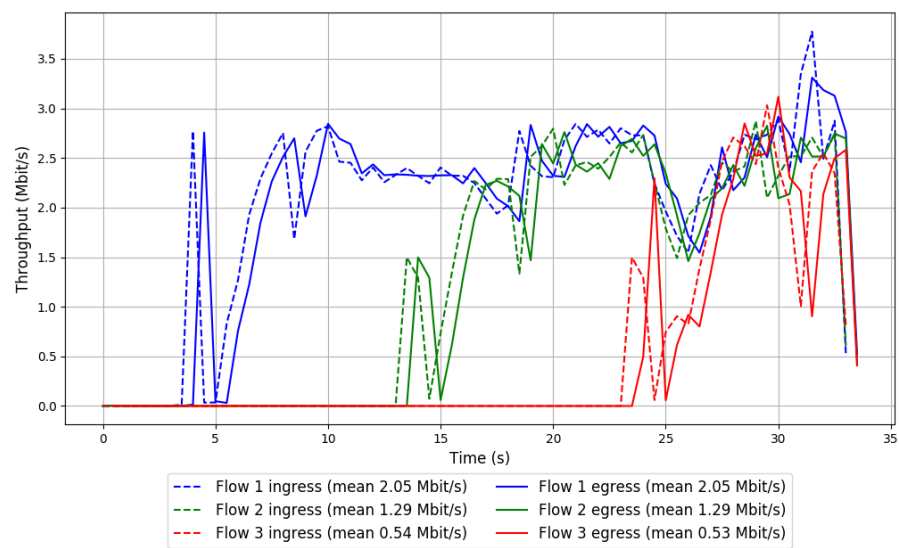
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 53.446 ms

Loss rate: 1.65%

Run 4: Report of WebRTC media — Data Link

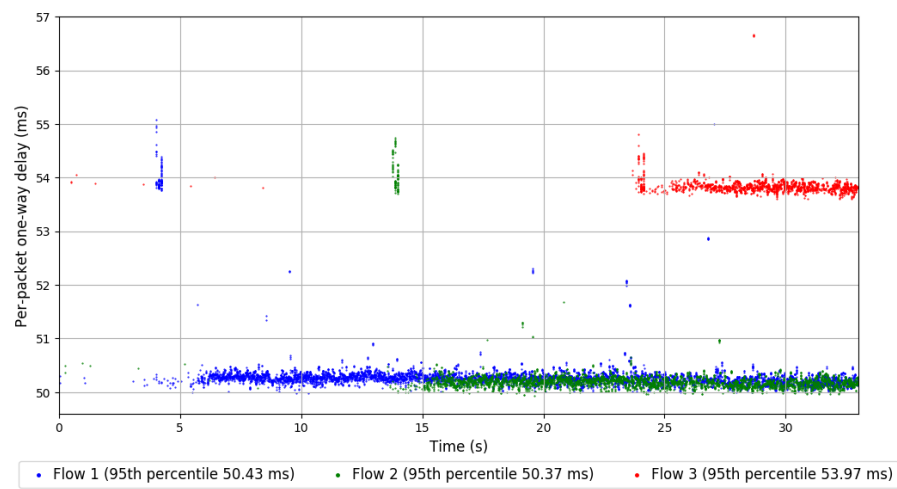
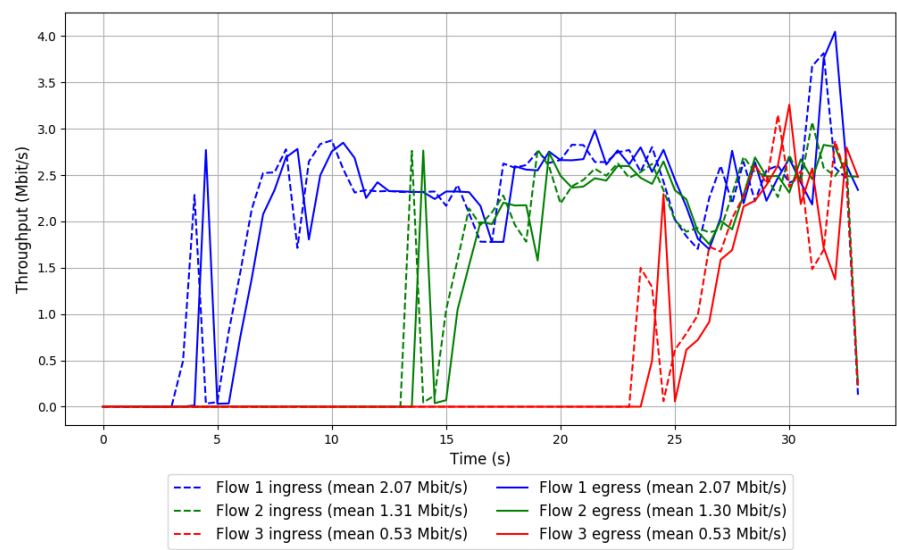


Run 5: Statistics of WebRTC media

Start at: 2018-07-20 21:52:52
End at: 2018-07-20 21:53:22
Local clock offset: -0.026 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 53.857 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 50.426 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 50.369 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.968 ms
Loss rate: 1.83%

Run 5: Report of WebRTC media — Data Link

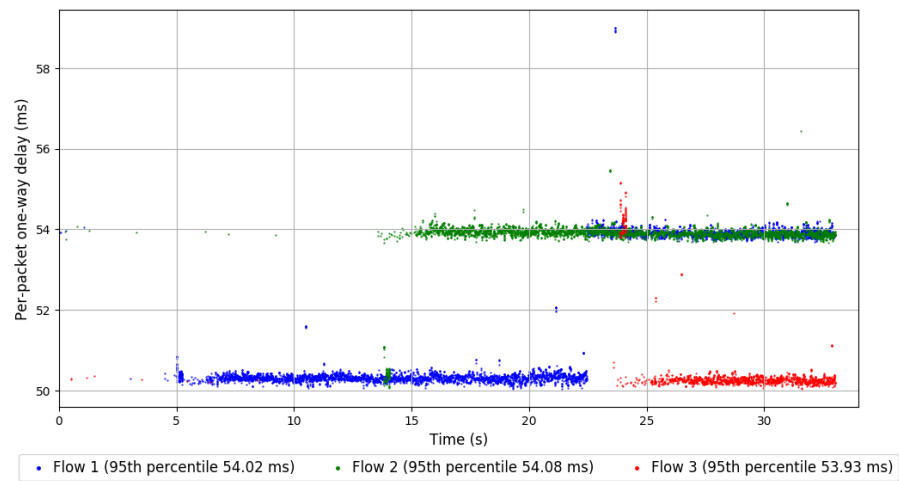
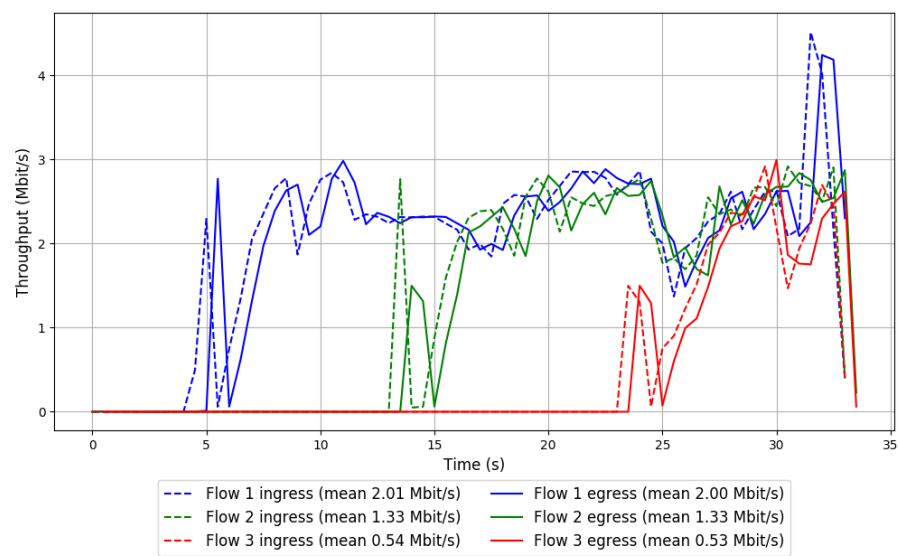


Run 6: Statistics of WebRTC media

Start at: 2018-07-20 22:17:25
End at: 2018-07-20 22:17:55
Local clock offset: -0.213 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 54.050 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 54.021 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 54.082 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.934 ms
Loss rate: 1.66%

Run 6: Report of WebRTC media — Data Link

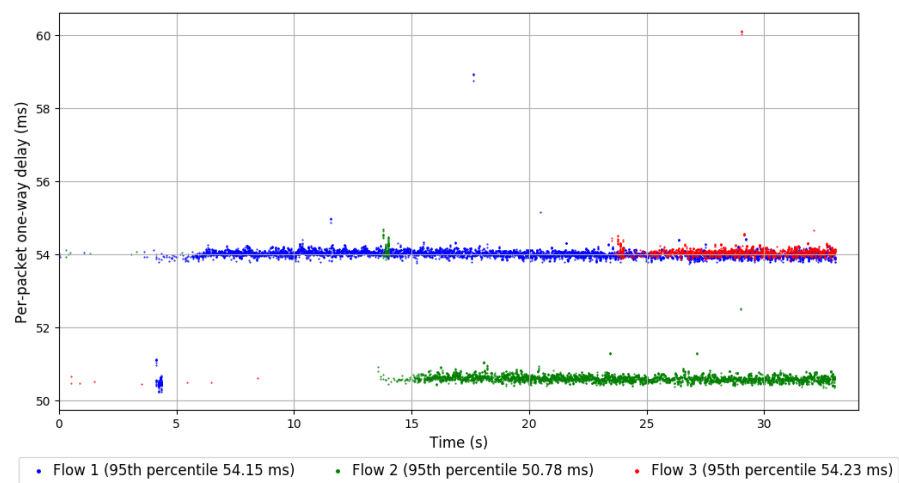
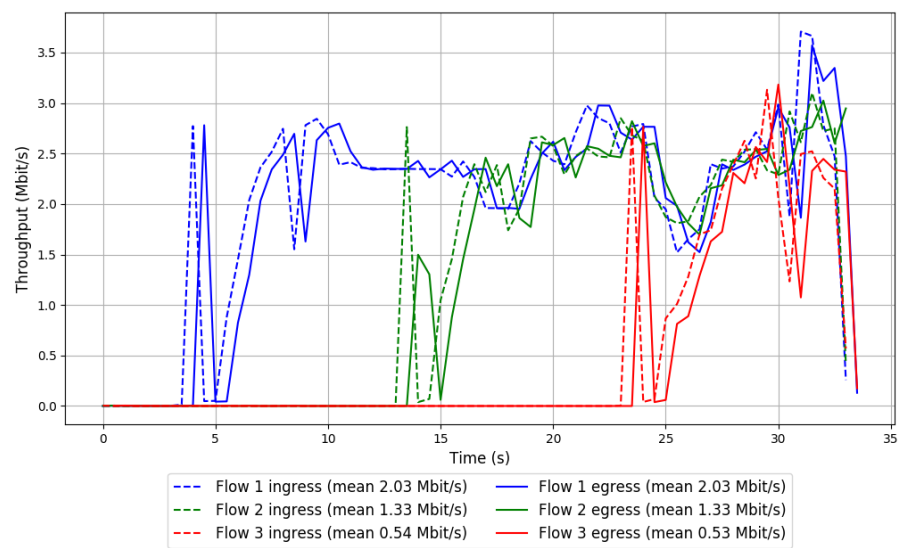


Run 7: Statistics of WebRTC media

Start at: 2018-07-20 22:42:27
End at: 2018-07-20 22:42:57
Local clock offset: -0.047 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 54.151 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 54.227 ms
Loss rate: 1.61%

Run 7: Report of WebRTC media — Data Link

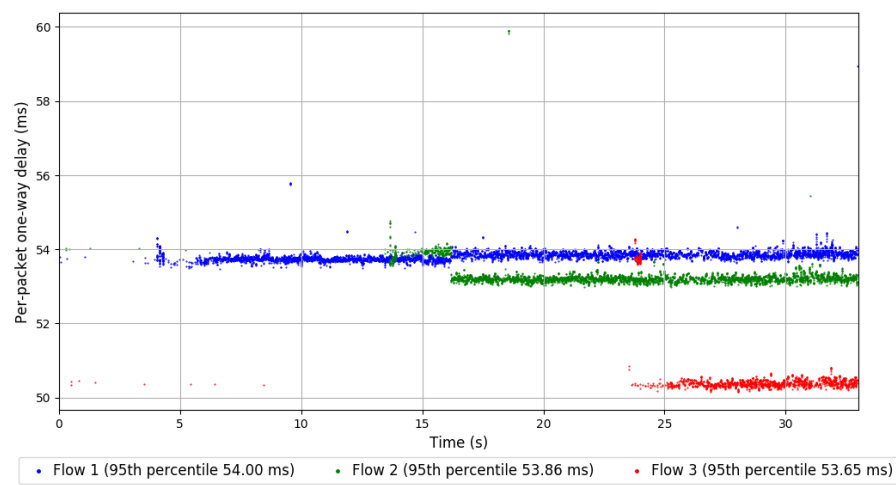
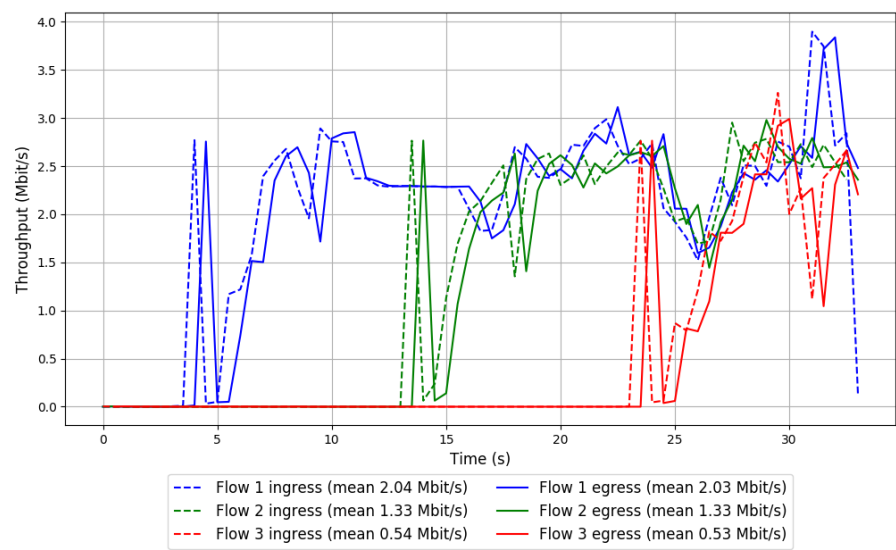


Run 8: Statistics of WebRTC media

Start at: 2018-07-20 23:07:31
End at: 2018-07-20 23:08:01
Local clock offset: -0.306 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 53.969 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 53.864 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 53.648 ms
Loss rate: 1.80%

Run 8: Report of WebRTC media — Data Link

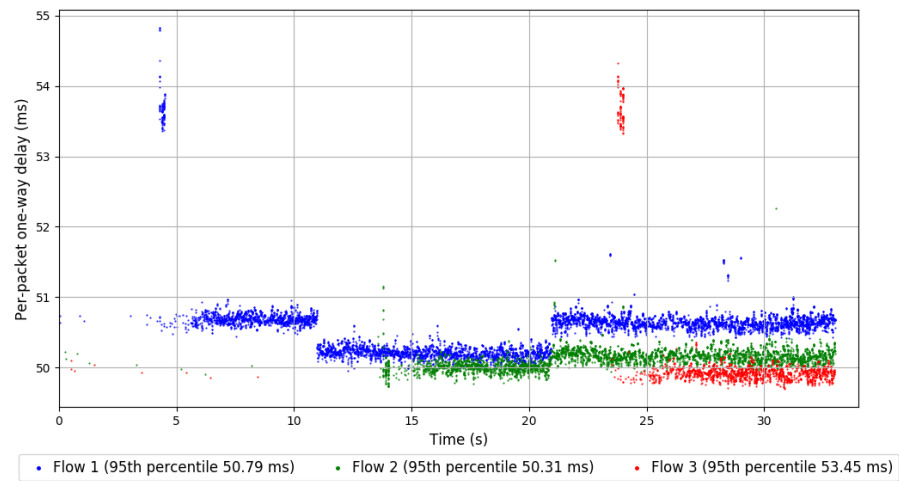
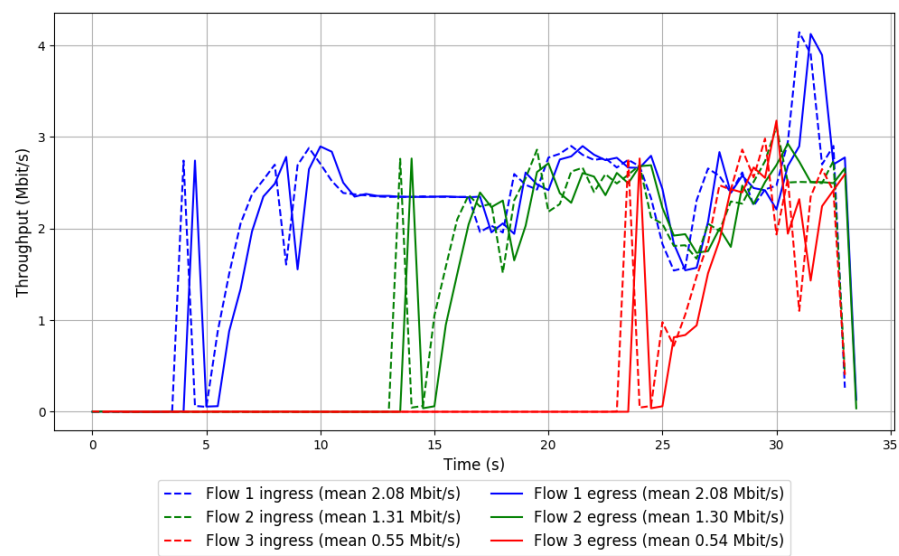


Run 9: Statistics of WebRTC media

Start at: 2018-07-20 23:32:06
End at: 2018-07-20 23:32:36
Local clock offset: -0.459 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-21 03:33:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 50.765 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 50.794 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 50.310 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.448 ms
Loss rate: 1.76%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-20 23:57:05

End at: 2018-07-20 23:57:35

Local clock offset: 0.087 ms

Remote clock offset: 1.345 ms

Below is generated by plot.py at 2018-07-21 03:33:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 52.611 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 52.681 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 48.920 ms

Loss rate: 0.83%

-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 52.366 ms

Loss rate: 1.16%

Run 10: Report of WebRTC media — Data Link

