

Pantheon Report

Generated at 2018-07-27 15:03:37 (UTC).

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

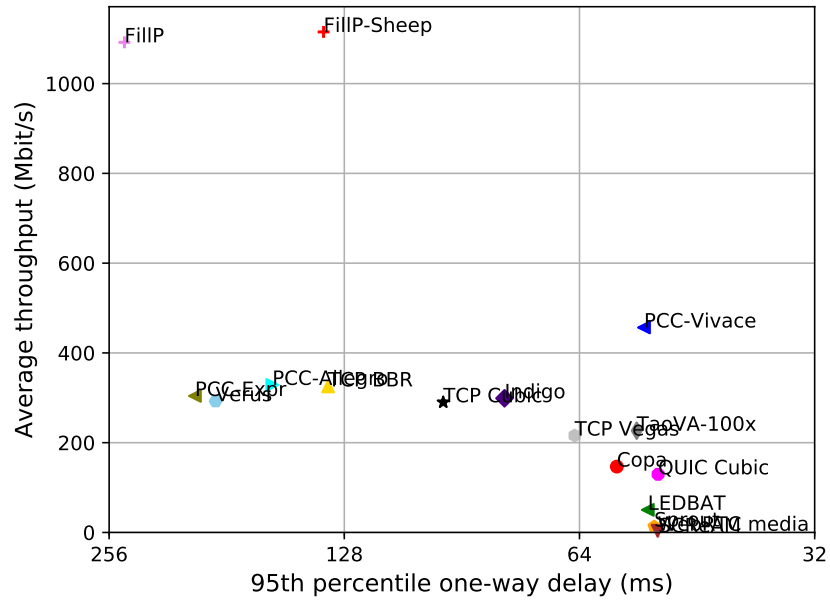
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

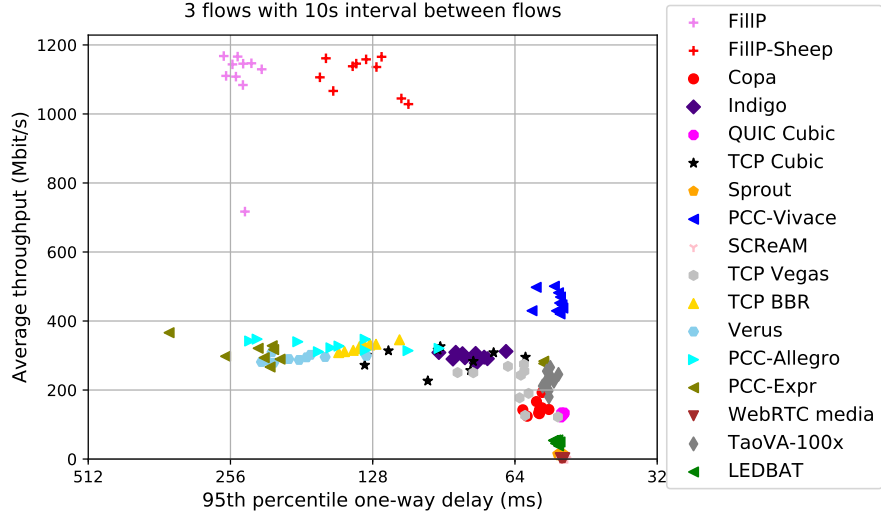
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
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 Iowa to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



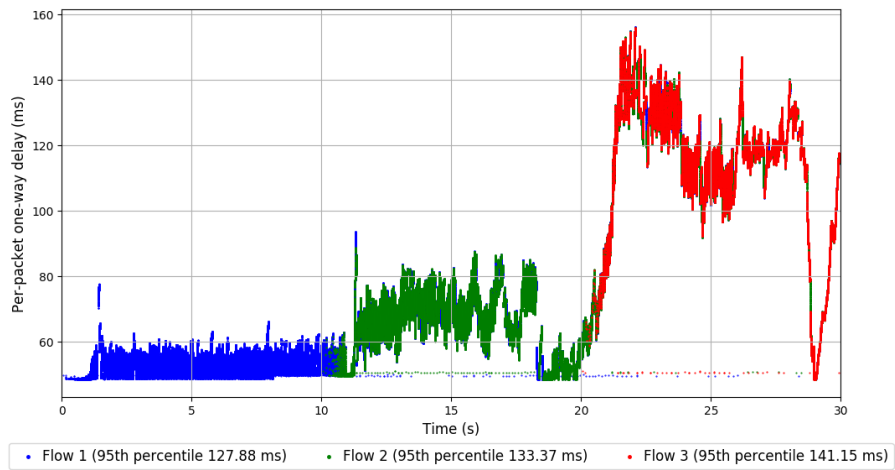
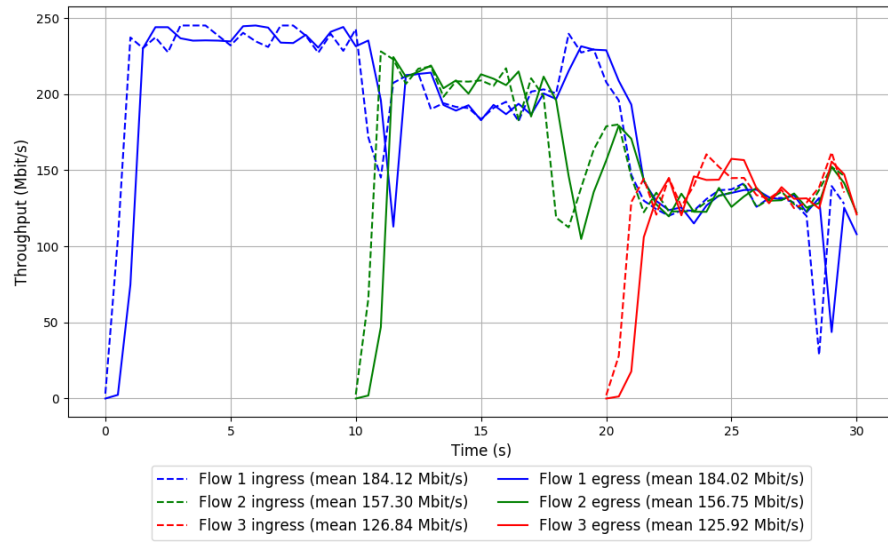
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	178.64	157.20	127.68	128.68	134.25	142.03	0.41	0.72	1.77
Copa	10	81.38	70.27	60.61	56.33	57.93	59.97	0.20	0.69	1.28
TCP Cubic	10	182.65	133.26	56.99	93.35	96.79	97.07	0.41	1.12	3.60
FillP	10	532.75	577.21	535.35	252.06	243.73	207.96	1.02	1.13	1.96
FillP-Sheep	10	560.23	572.23	530.50	116.33	162.52	156.73	0.46	0.86	1.56
Indigo	10	176.68	141.75	85.64	75.86	80.76	87.28	0.32	0.50	1.15
LEDBAT	10	32.34	22.21	9.84	52.28	52.41	52.21	0.66	1.05	2.30
PCC-Allegro	10	296.15	41.65	15.12	158.24	157.64	156.60	0.75	0.99	2.44
PCC-Expr	10	219.07	113.69	29.10	193.83	189.26	168.37	4.35	4.80	5.52
QUIC Cubic	10	69.05	65.14	51.72	50.65	50.40	50.39	0.34	0.53	1.16
SCReAM	10	0.22	0.22	0.22	50.62	50.34	50.41	0.27	0.61	1.09
Sprout	10	7.02	6.05	6.64	51.37	51.25	51.34	0.39	0.46	1.11
TaoVA-100x	10	132.20	108.81	69.58	53.32	55.07	56.88	0.24	0.44	0.33
TCP Vegas	10	131.03	88.41	79.03	62.30	63.82	63.76	0.27	0.52	1.55
Verus	10	180.31	127.26	87.00	178.10	188.41	211.69	1.09	1.19	3.60
PCC-Vivace	10	270.15	221.56	120.26	52.52	59.24	50.63	0.32	0.55	1.47
WebRTC media	10	2.00	1.32	0.50	50.47	50.72	54.50	0.35	0.70	1.49

Run 1: Statistics of TCP BBR

Start at: 2018-07-27 08:26:22
End at: 2018-07-27 08:26:52
Local clock offset: -0.155 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-27 12:32:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.86 Mbit/s
95th percentile per-packet one-way delay: 133.172 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 184.02 Mbit/s
95th percentile per-packet one-way delay: 127.884 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 156.75 Mbit/s
95th percentile per-packet one-way delay: 133.370 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 125.92 Mbit/s
95th percentile per-packet one-way delay: 141.147 ms
Loss rate: 1.74%

Run 1: Report of TCP BBR — Data Link

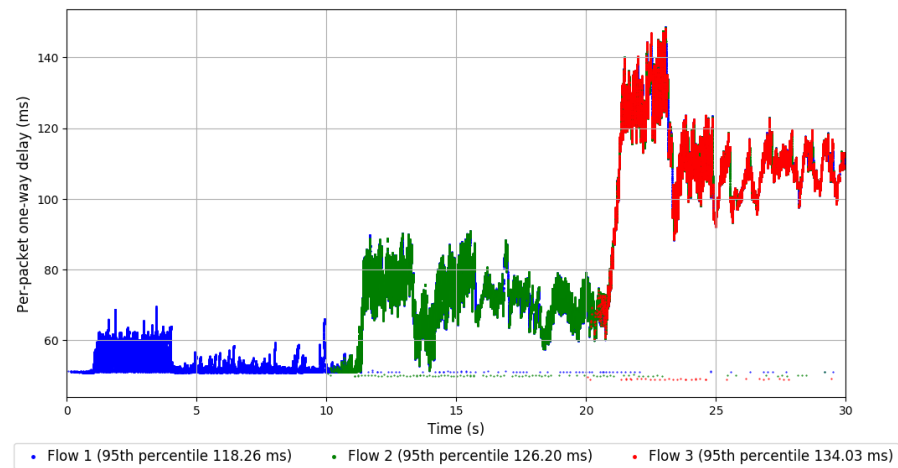
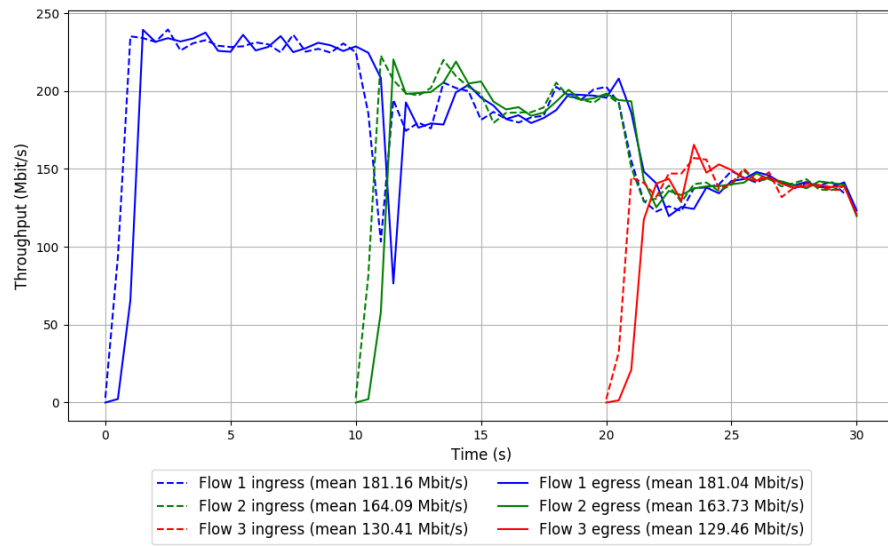


Run 2: Statistics of TCP BBR

Start at: 2018-07-27 08:50:31
End at: 2018-07-27 08:51:01
Local clock offset: 0.366 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-27 12:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.72 Mbit/s
95th percentile per-packet one-way delay: 125.983 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 181.04 Mbit/s
95th percentile per-packet one-way delay: 118.263 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 163.73 Mbit/s
95th percentile per-packet one-way delay: 126.203 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 129.46 Mbit/s
95th percentile per-packet one-way delay: 134.027 ms
Loss rate: 1.71%

Run 2: Report of TCP BBR — Data Link

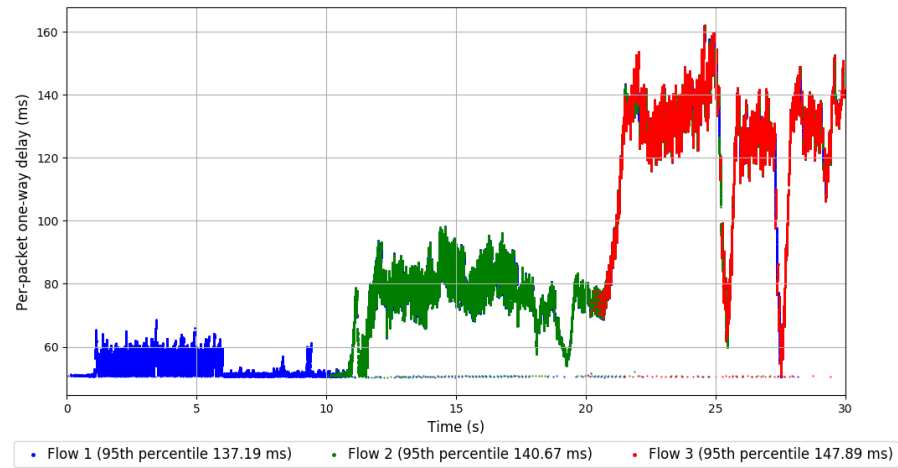
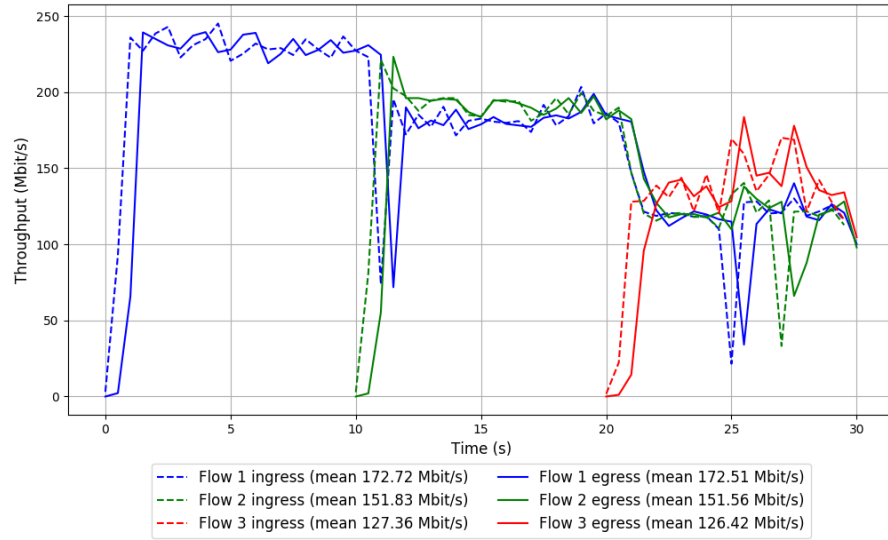


Run 3: Statistics of TCP BBR

Start at: 2018-07-27 09:14:35
End at: 2018-07-27 09:15:05
Local clock offset: -0.057 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-27 12:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.01 Mbit/s
95th percentile per-packet one-way delay: 140.732 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 172.51 Mbit/s
95th percentile per-packet one-way delay: 137.194 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 151.56 Mbit/s
95th percentile per-packet one-way delay: 140.670 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 126.42 Mbit/s
95th percentile per-packet one-way delay: 147.891 ms
Loss rate: 1.75%

Run 3: Report of TCP BBR — Data Link

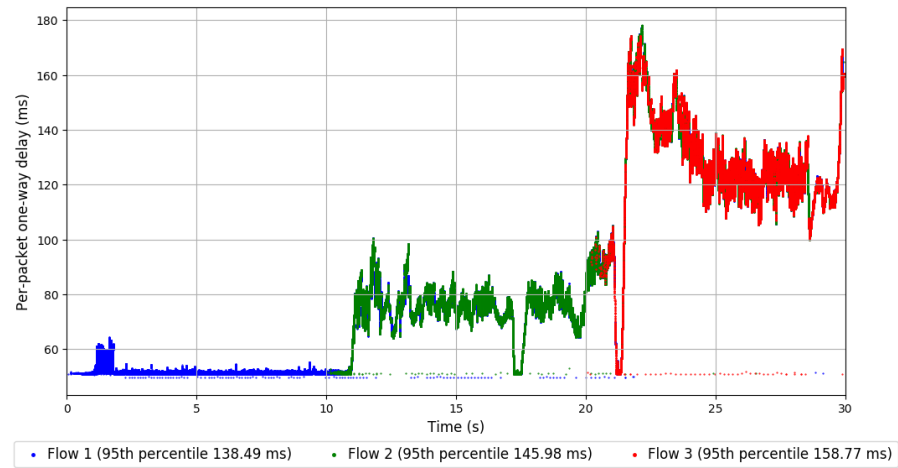
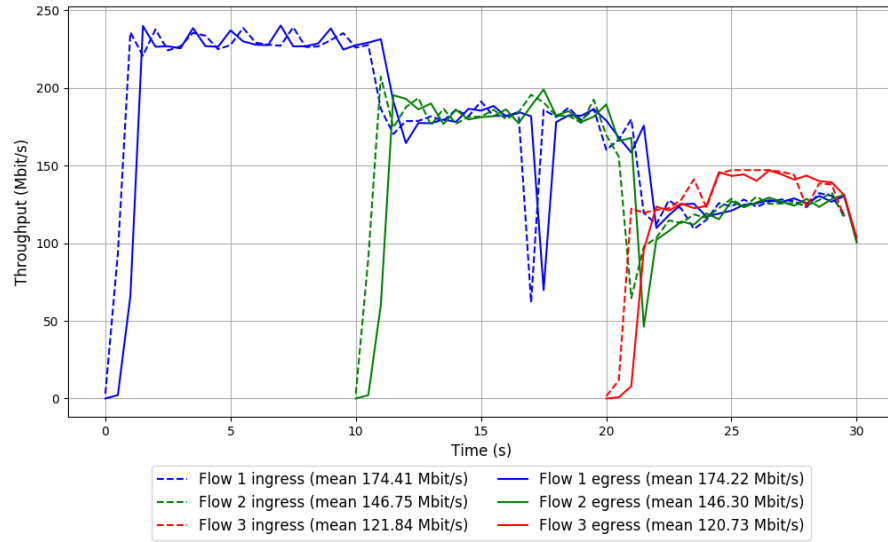


Run 4: Statistics of TCP BBR

Start at: 2018-07-27 09:38:48
End at: 2018-07-27 09:39:18
Local clock offset: 0.225 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-27 12:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.39 Mbit/s
95th percentile per-packet one-way delay: 146.875 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 174.22 Mbit/s
95th percentile per-packet one-way delay: 138.486 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 146.30 Mbit/s
95th percentile per-packet one-way delay: 145.983 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 120.73 Mbit/s
95th percentile per-packet one-way delay: 158.770 ms
Loss rate: 1.93%

Run 4: Report of TCP BBR — Data Link

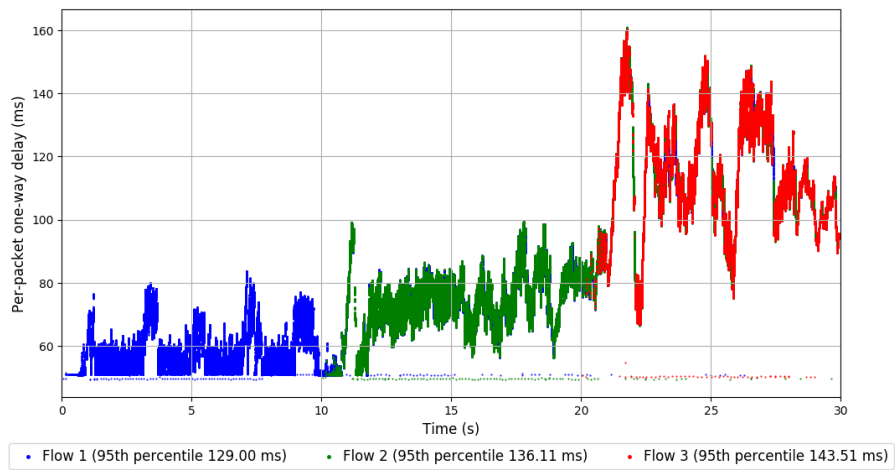
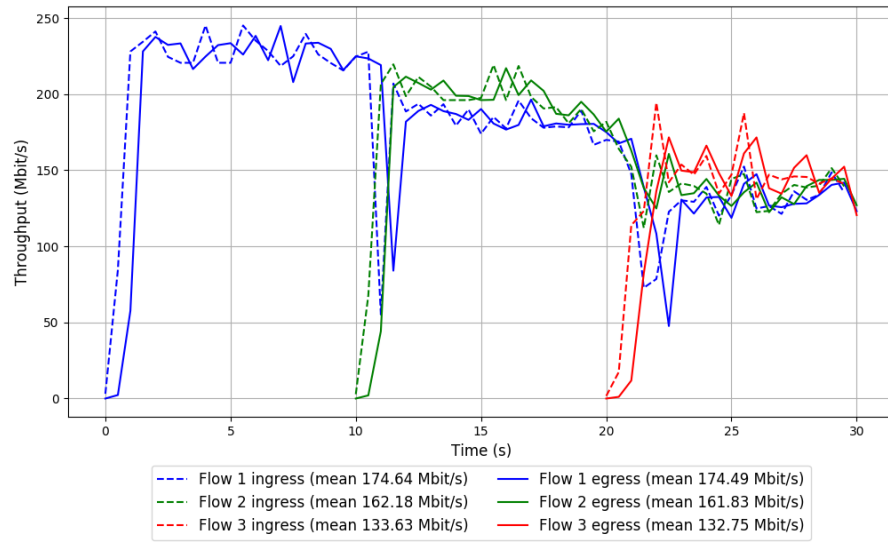


Run 5: Statistics of TCP BBR

Start at: 2018-07-27 10:02:43
End at: 2018-07-27 10:03:13
Local clock offset: -0.11 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-27 12:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.90 Mbit/s
95th percentile per-packet one-way delay: 136.488 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 174.49 Mbit/s
95th percentile per-packet one-way delay: 129.005 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 161.83 Mbit/s
95th percentile per-packet one-way delay: 136.111 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 132.75 Mbit/s
95th percentile per-packet one-way delay: 143.514 ms
Loss rate: 1.66%

Run 5: Report of TCP BBR — Data Link

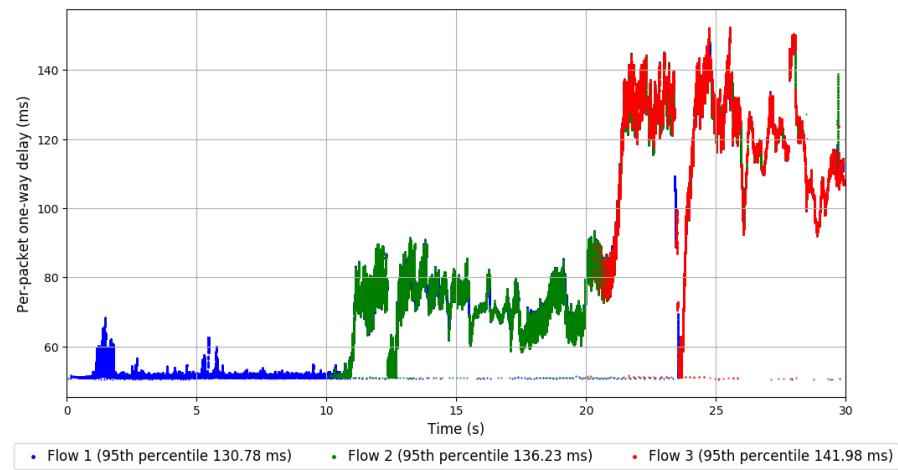
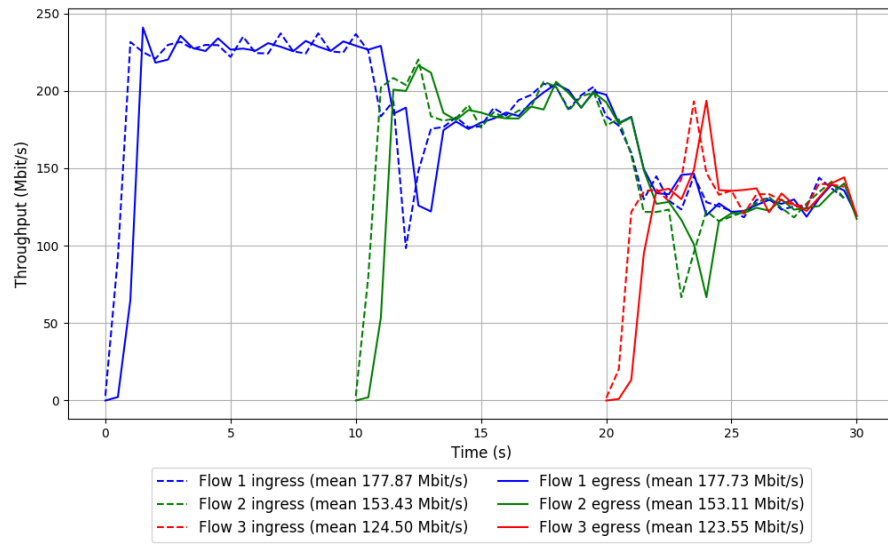


Run 6: Statistics of TCP BBR

Start at: 2018-07-27 10:26:56
End at: 2018-07-27 10:27:26
Local clock offset: 0.346 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-27 12:32:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.32 Mbit/s
95th percentile per-packet one-way delay: 136.375 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 177.73 Mbit/s
95th percentile per-packet one-way delay: 130.776 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 153.11 Mbit/s
95th percentile per-packet one-way delay: 136.233 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 123.55 Mbit/s
95th percentile per-packet one-way delay: 141.984 ms
Loss rate: 1.78%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-27 10:50:55

End at: 2018-07-27 10:51:25

Local clock offset: 0.286 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-27 12:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.60 Mbit/s

95th percentile per-packet one-way delay: 129.773 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 180.24 Mbit/s

95th percentile per-packet one-way delay: 125.974 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 161.74 Mbit/s

95th percentile per-packet one-way delay: 130.455 ms

Loss rate: 0.72%

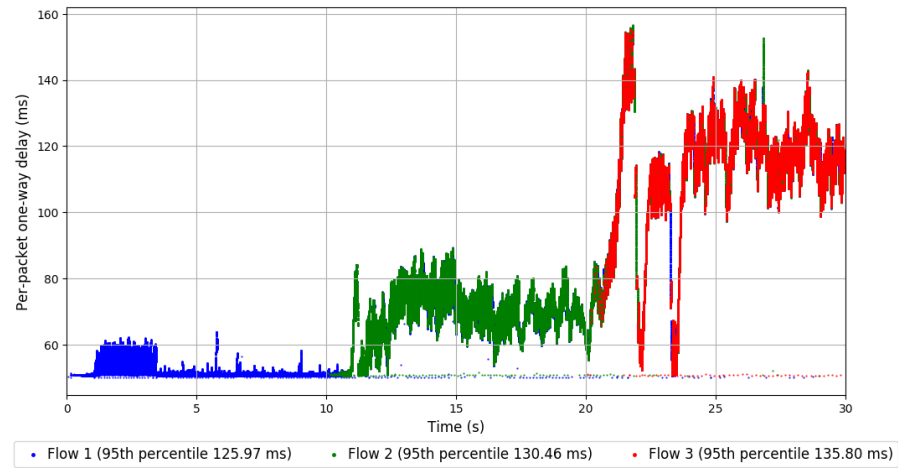
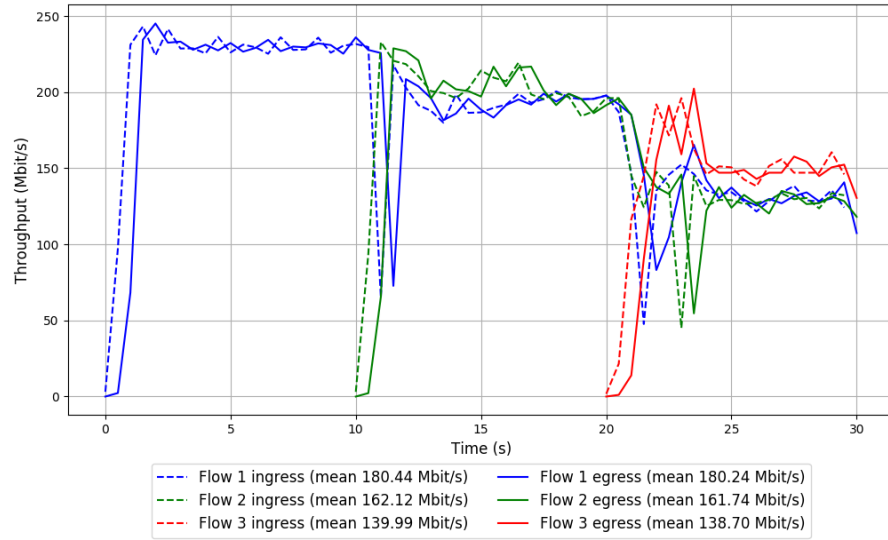
-- Flow 3:

Average throughput: 138.70 Mbit/s

95th percentile per-packet one-way delay: 135.804 ms

Loss rate: 1.91%

Run 7: Report of TCP BBR — Data Link

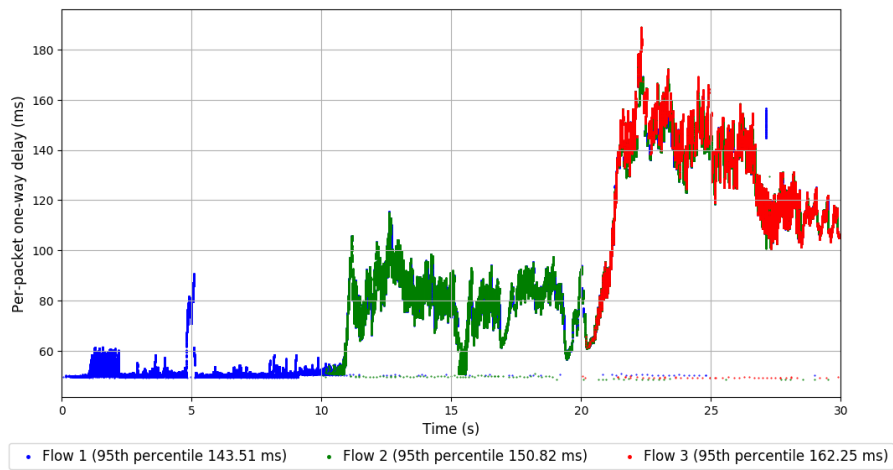
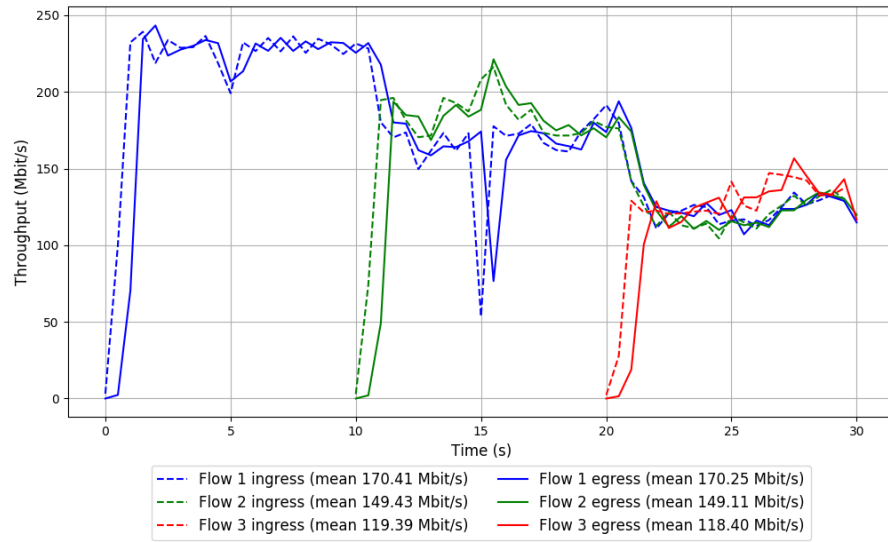


Run 8: Statistics of TCP BBR

Start at: 2018-07-27 11:15:01
End at: 2018-07-27 11:15:31
Local clock offset: -0.08 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 12:32:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.52 Mbit/s
95th percentile per-packet one-way delay: 151.089 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 170.25 Mbit/s
95th percentile per-packet one-way delay: 143.508 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 149.11 Mbit/s
95th percentile per-packet one-way delay: 150.816 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 118.40 Mbit/s
95th percentile per-packet one-way delay: 162.246 ms
Loss rate: 1.81%

Run 8: Report of TCP BBR — Data Link

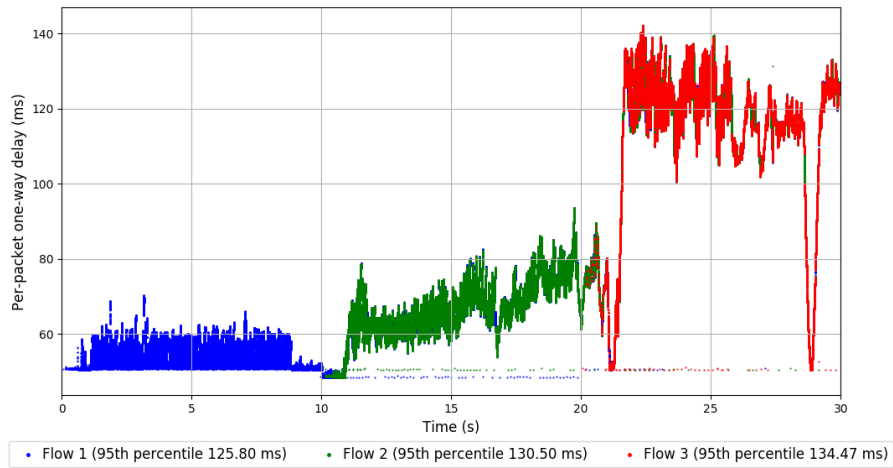
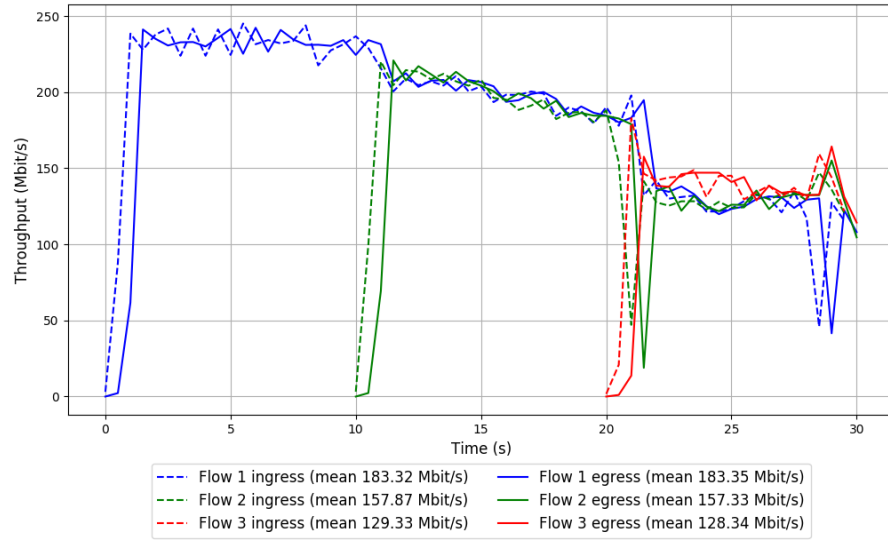


Run 9: Statistics of TCP BBR

Start at: 2018-07-27 11:39:20
End at: 2018-07-27 11:39:50
Local clock offset: -0.46 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-27 12:37:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.34 Mbit/s
95th percentile per-packet one-way delay: 129.929 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 183.35 Mbit/s
95th percentile per-packet one-way delay: 125.798 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 157.33 Mbit/s
95th percentile per-packet one-way delay: 130.499 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 128.34 Mbit/s
95th percentile per-packet one-way delay: 134.474 ms
Loss rate: 1.79%

Run 9: Report of TCP BBR — Data Link

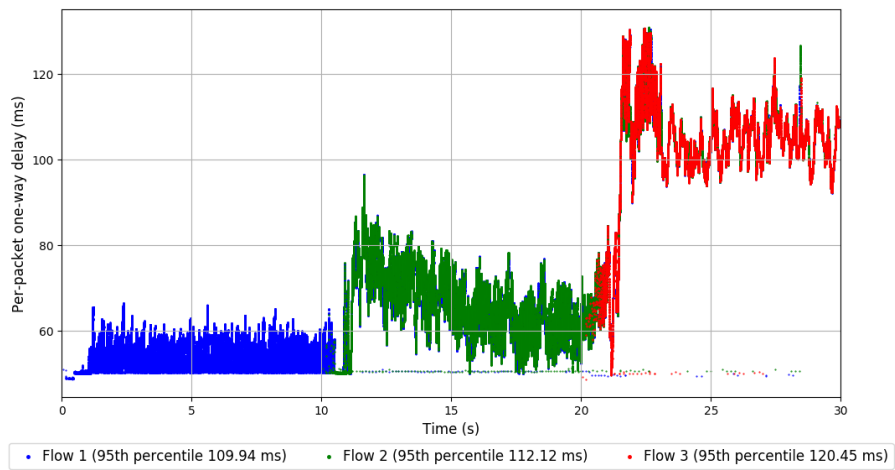
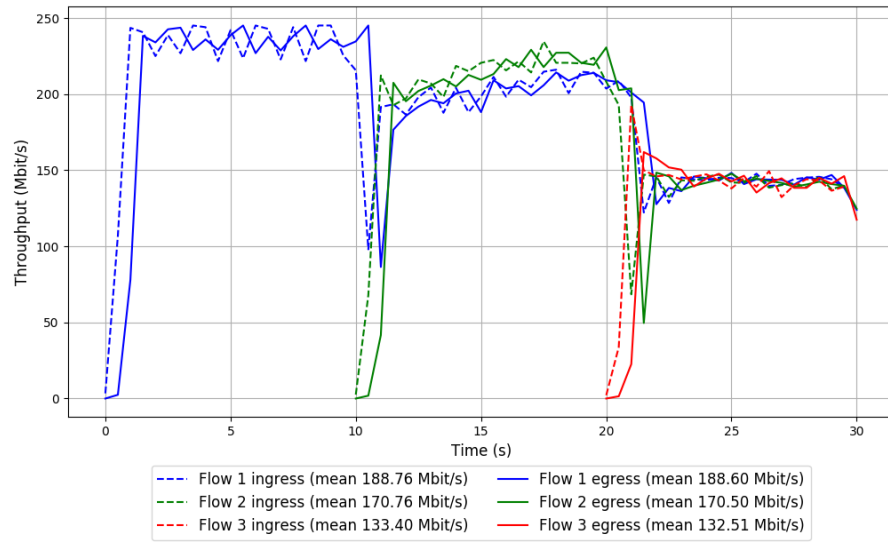


Run 10: Statistics of TCP BBR

Start at: 2018-07-27 12:03:40
End at: 2018-07-27 12:04:10
Local clock offset: -0.147 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-27 12:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.72 Mbit/s
95th percentile per-packet one-way delay: 112.326 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 188.60 Mbit/s
95th percentile per-packet one-way delay: 109.944 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 170.50 Mbit/s
95th percentile per-packet one-way delay: 112.121 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 132.51 Mbit/s
95th percentile per-packet one-way delay: 120.452 ms
Loss rate: 1.66%

Run 10: Report of TCP BBR — Data Link

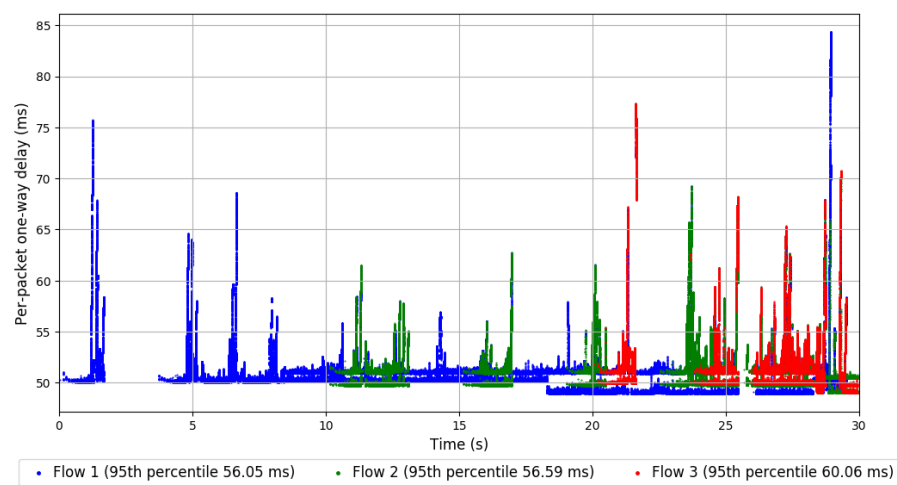
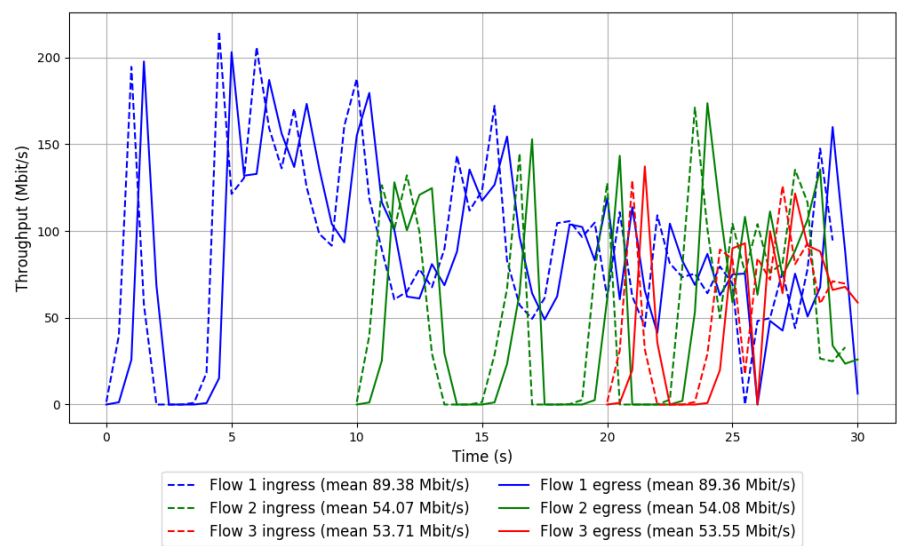


Run 1: Statistics of Copa

Start at: 2018-07-27 08:25:02
End at: 2018-07-27 08:25:32
Local clock offset: 0.233 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 12:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.72 Mbit/s
95th percentile per-packet one-way delay: 56.719 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 56.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.08 Mbit/s
95th percentile per-packet one-way delay: 56.586 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 60.064 ms
Loss rate: 1.32%

Run 1: Report of Copa — Data Link

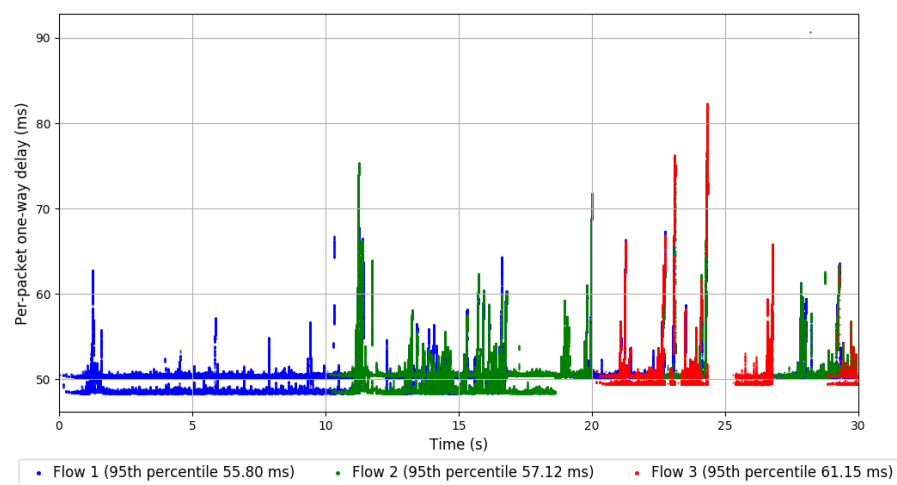
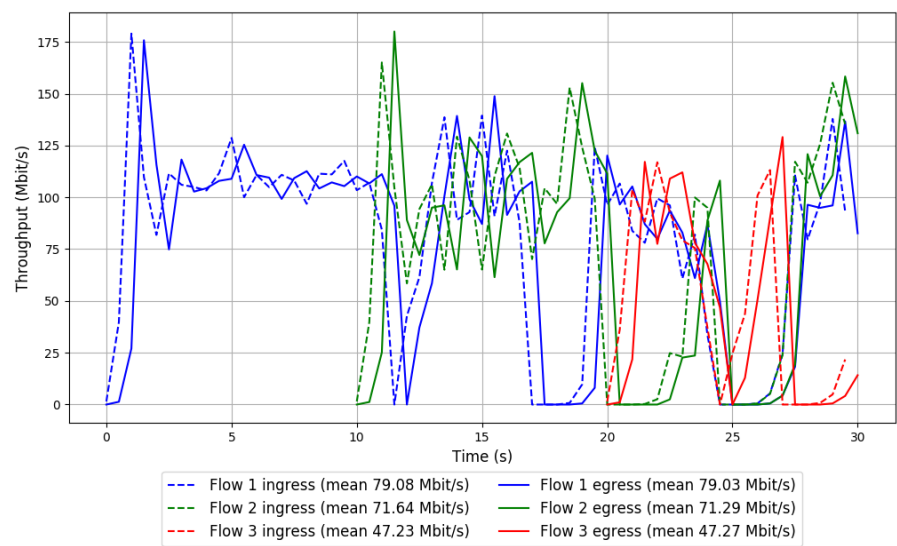


Run 2: Statistics of Copa

Start at: 2018-07-27 08:49:12
End at: 2018-07-27 08:49:42
Local clock offset: -0.324 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-27 12:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.95 Mbit/s
95th percentile per-packet one-way delay: 56.800 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 55.800 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 57.121 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 47.27 Mbit/s
95th percentile per-packet one-way delay: 61.146 ms
Loss rate: 0.91%

Run 2: Report of Copa — Data Link

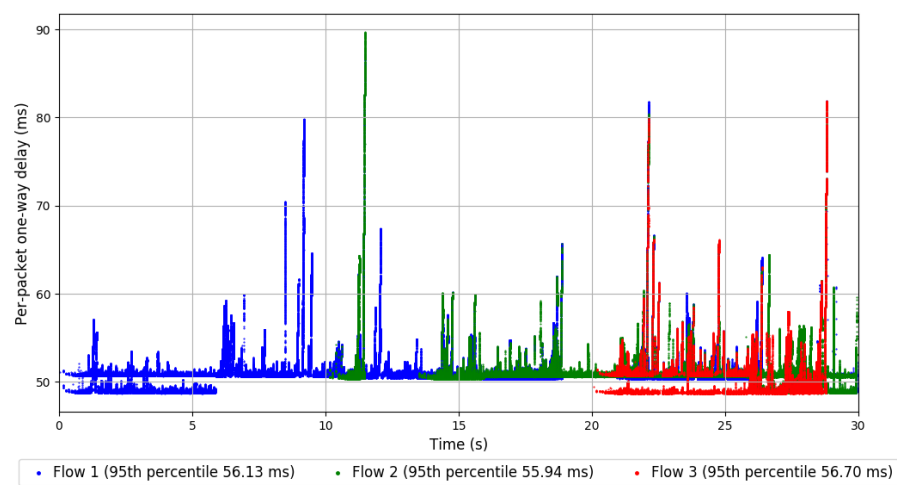
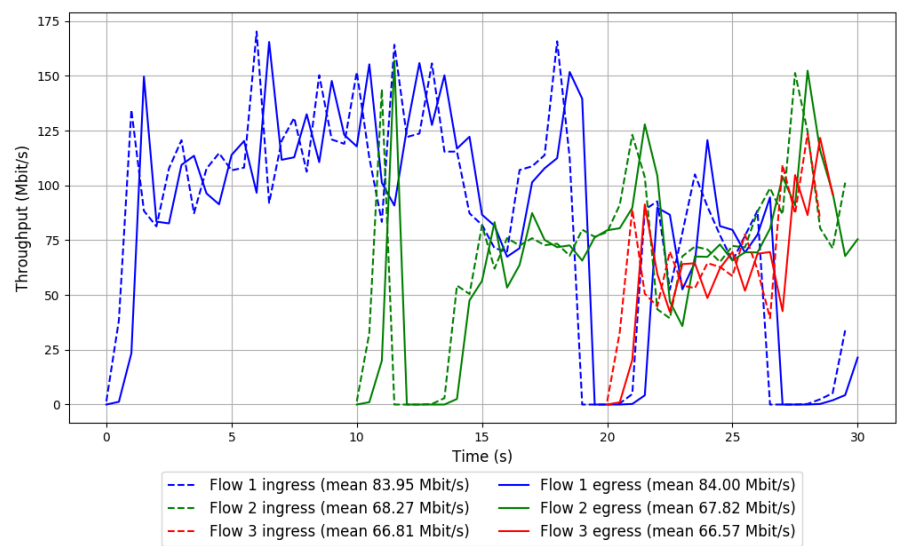


Run 3: Statistics of Copa

Start at: 2018-07-27 09:13:14
End at: 2018-07-27 09:13:44
Local clock offset: -0.036 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 12:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.60 Mbit/s
95th percentile per-packet one-way delay: 56.132 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 56.134 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 55.935 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 56.696 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

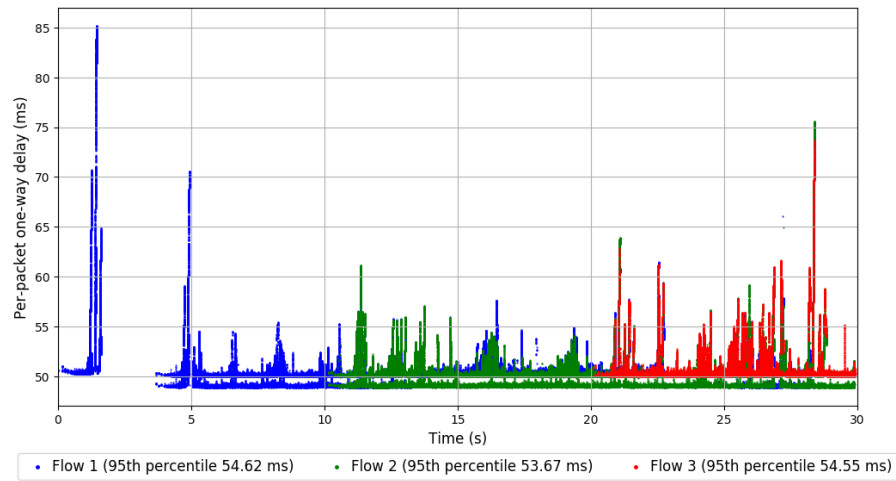
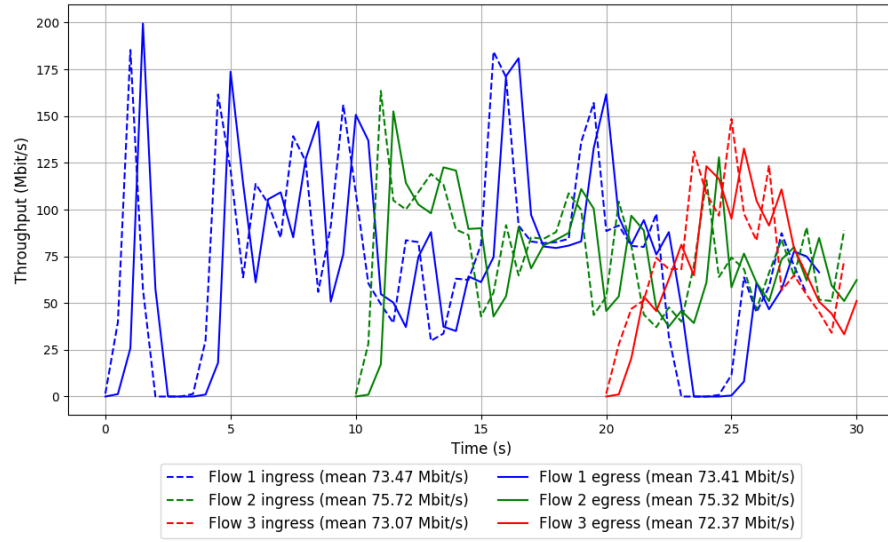


Run 4: Statistics of Copa

Start at: 2018-07-27 09:37:27
End at: 2018-07-27 09:37:57
Local clock offset: -0.479 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-27 12:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.63 Mbit/s
95th percentile per-packet one-way delay: 54.239 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 73.41 Mbit/s
95th percentile per-packet one-way delay: 54.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 72.37 Mbit/s
95th percentile per-packet one-way delay: 54.552 ms
Loss rate: 1.95%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-27 10:01:24

End at: 2018-07-27 10:01:54

Local clock offset: 0.303 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-27 12:38:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.05 Mbit/s

95th percentile per-packet one-way delay: 60.299 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 81.12 Mbit/s

95th percentile per-packet one-way delay: 60.167 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 35.26 Mbit/s

95th percentile per-packet one-way delay: 61.729 ms

Loss rate: 1.11%

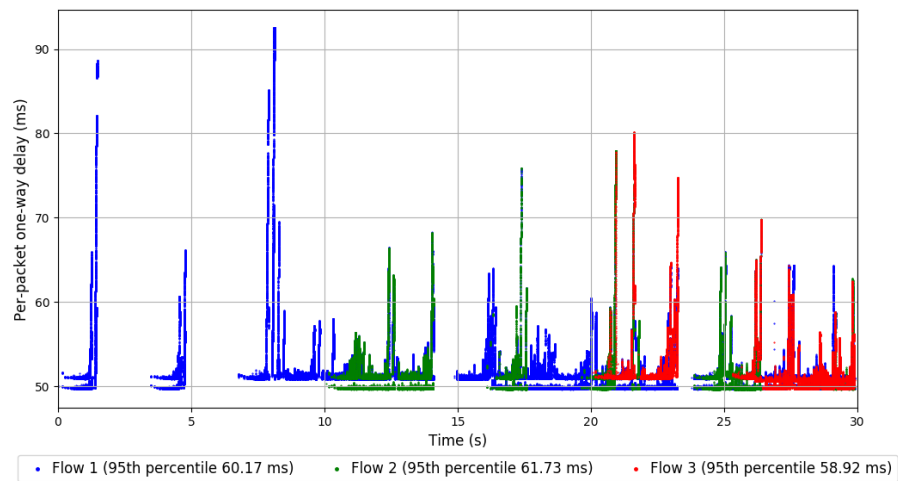
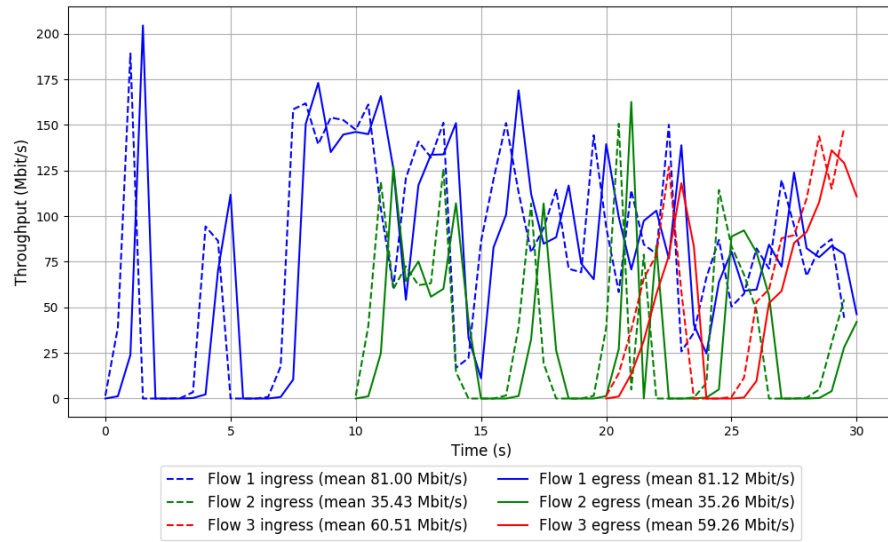
-- Flow 3:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 58.922 ms

Loss rate: 3.14%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-27 10:25:35

End at: 2018-07-27 10:26:05

Local clock offset: -0.398 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-27 12:38:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.58 Mbit/s

95th percentile per-packet one-way delay: 56.797 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 69.63 Mbit/s

95th percentile per-packet one-way delay: 55.887 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 56.656 ms

Loss rate: 1.25%

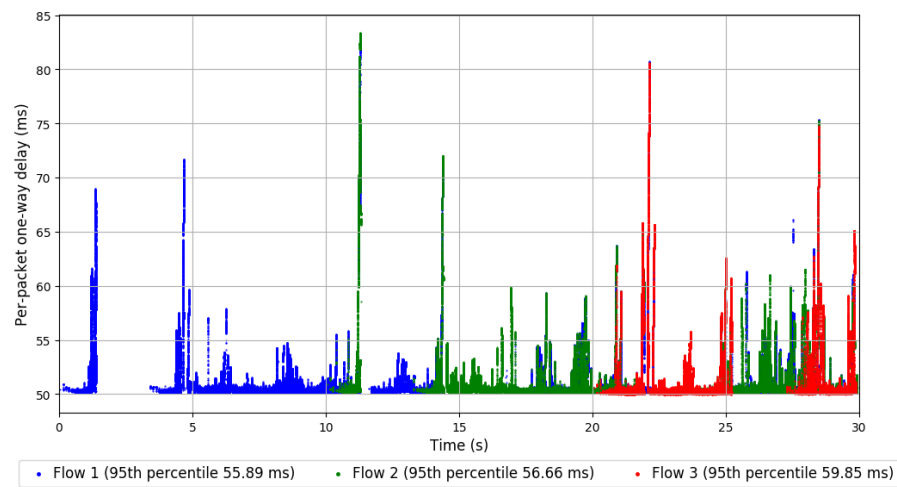
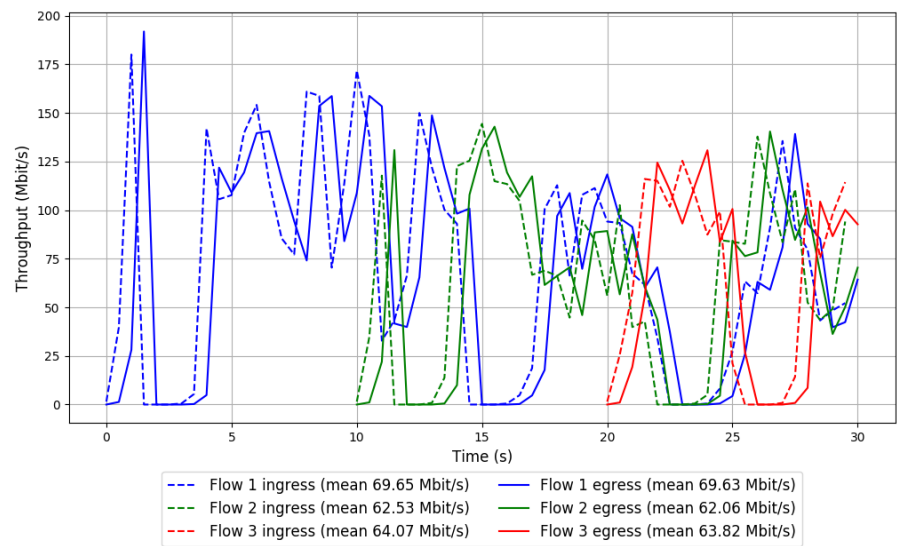
-- Flow 3:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 59.850 ms

Loss rate: 1.83%

Run 6: Report of Copa — Data Link

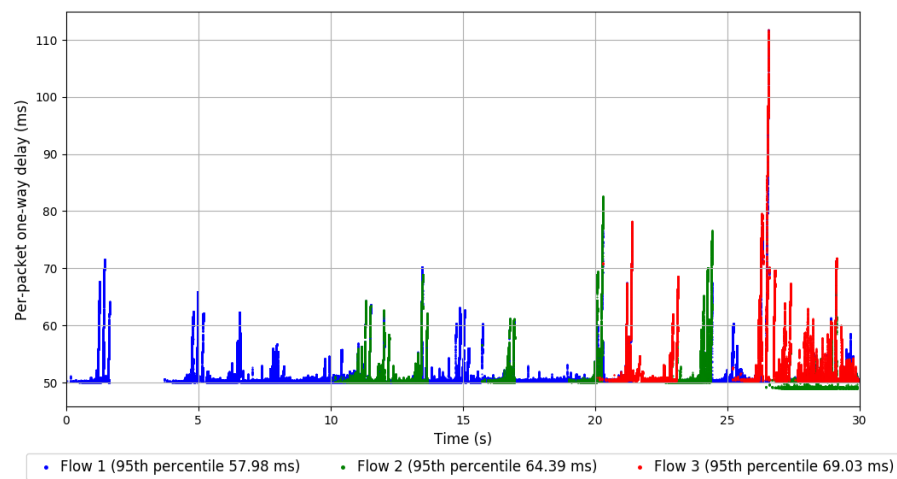
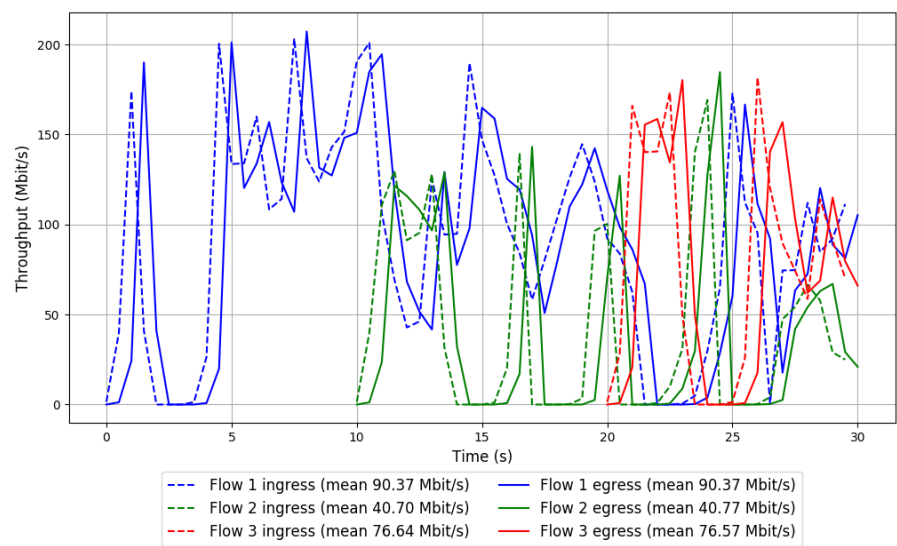


Run 7: Statistics of Copa

Start at: 2018-07-27 10:49:35
End at: 2018-07-27 10:50:05
Local clock offset: -0.3 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-27 12:41:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.75 Mbit/s
95th percentile per-packet one-way delay: 61.594 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 57.981 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 64.391 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 69.030 ms
Loss rate: 1.11%

Run 7: Report of Copa — Data Link

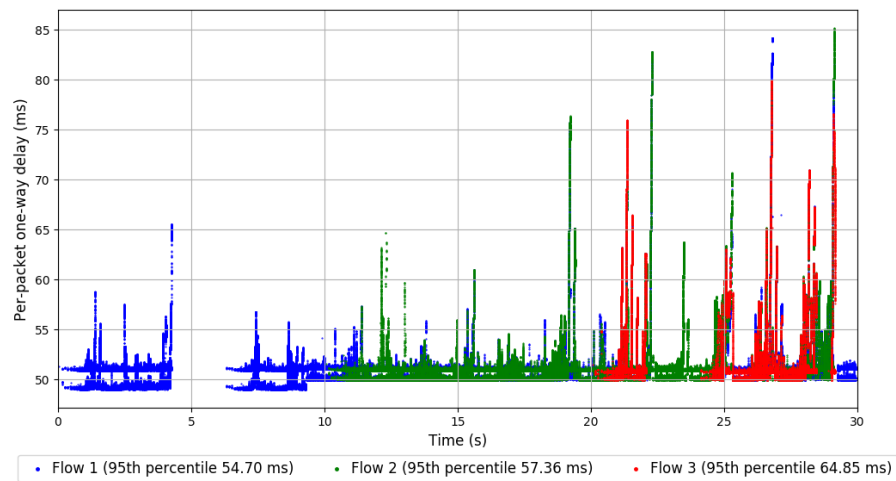
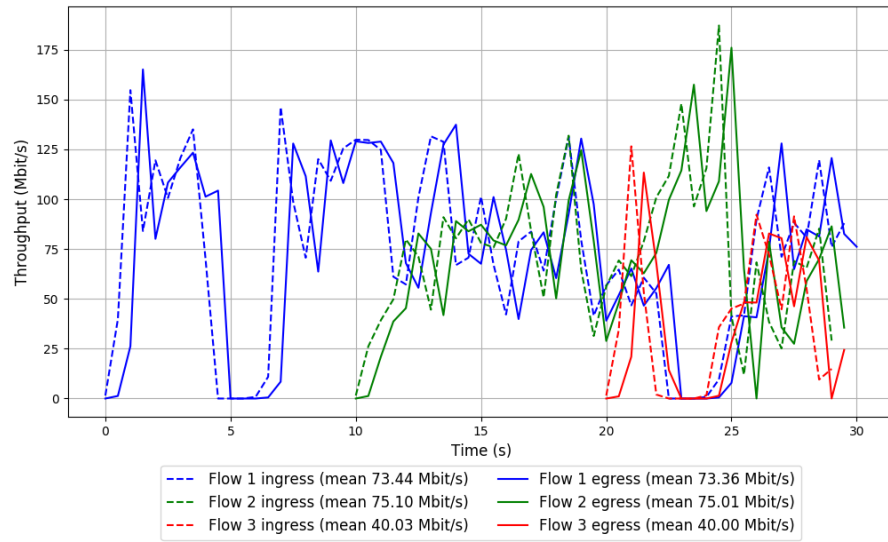


Run 8: Statistics of Copa

Start at: 2018-07-27 11:13:41
End at: 2018-07-27 11:14:11
Local clock offset: 0.27 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-27 12:41:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.47 Mbit/s
95th percentile per-packet one-way delay: 57.023 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 73.36 Mbit/s
95th percentile per-packet one-way delay: 54.704 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 57.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 64.849 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-27 11:37:57

End at: 2018-07-27 11:38:27

Local clock offset: 0.169 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-27 12:42:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.56 Mbit/s

95th percentile per-packet one-way delay: 57.626 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 78.66 Mbit/s

95th percentile per-packet one-way delay: 56.937 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 106.64 Mbit/s

95th percentile per-packet one-way delay: 59.506 ms

Loss rate: 0.00%

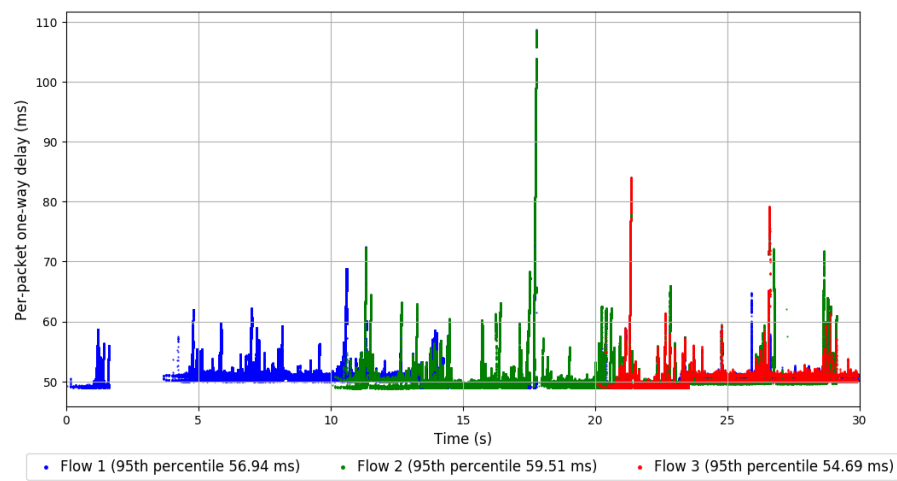
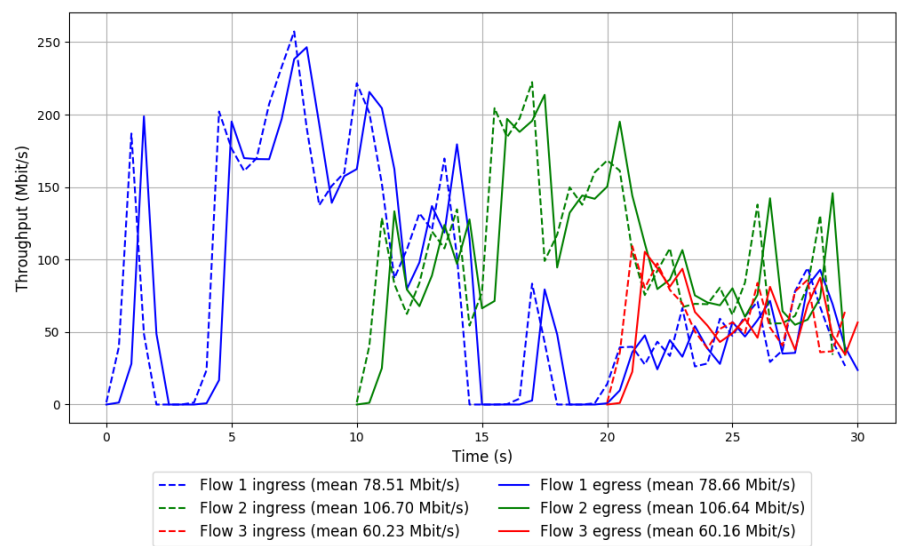
-- Flow 3:

Average throughput: 60.16 Mbit/s

95th percentile per-packet one-way delay: 54.687 ms

Loss rate: 1.12%

Run 9: Report of Copa — Data Link

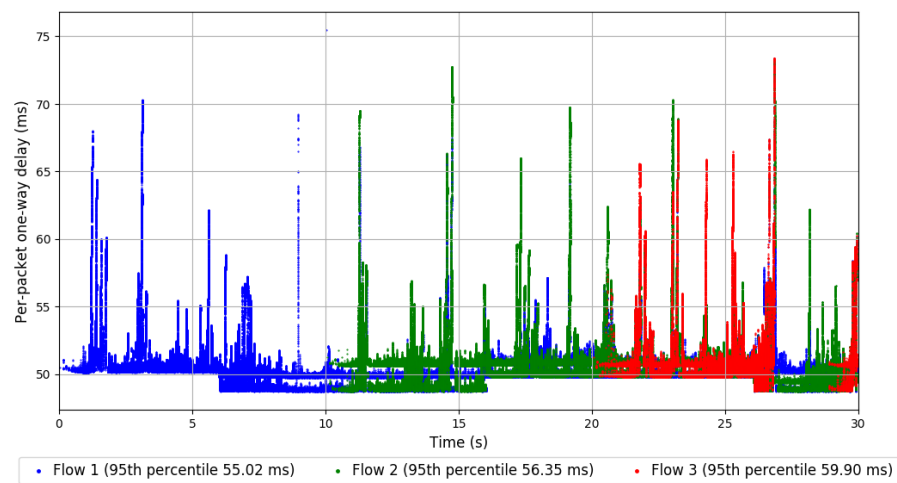
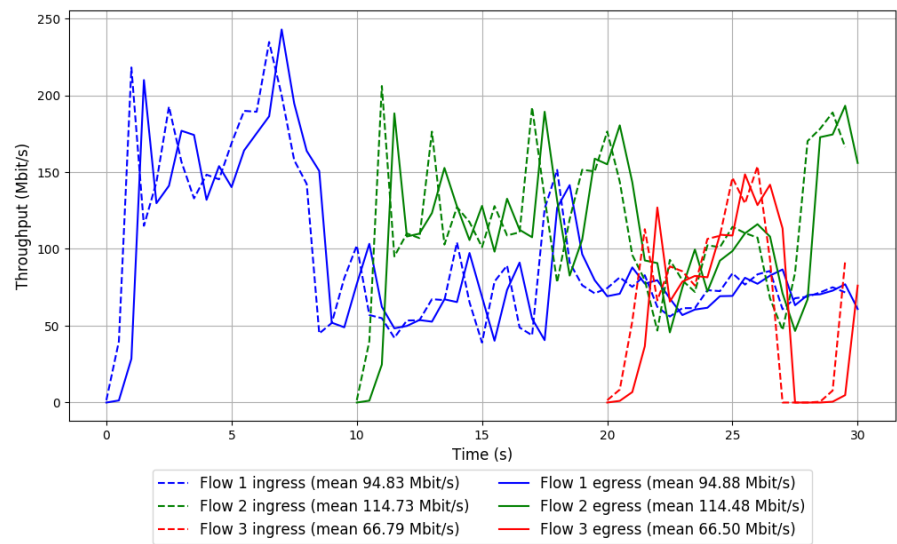


Run 10: Statistics of Copa

Start at: 2018-07-27 12:02:14
End at: 2018-07-27 12:02:44
Local clock offset: -0.098 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-07-27 12:43:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.96 Mbit/s
95th percentile per-packet one-way delay: 56.062 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 55.016 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 114.48 Mbit/s
95th percentile per-packet one-way delay: 56.350 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 66.50 Mbit/s
95th percentile per-packet one-way delay: 59.895 ms
Loss rate: 1.44%

Run 10: Report of Copa — Data Link

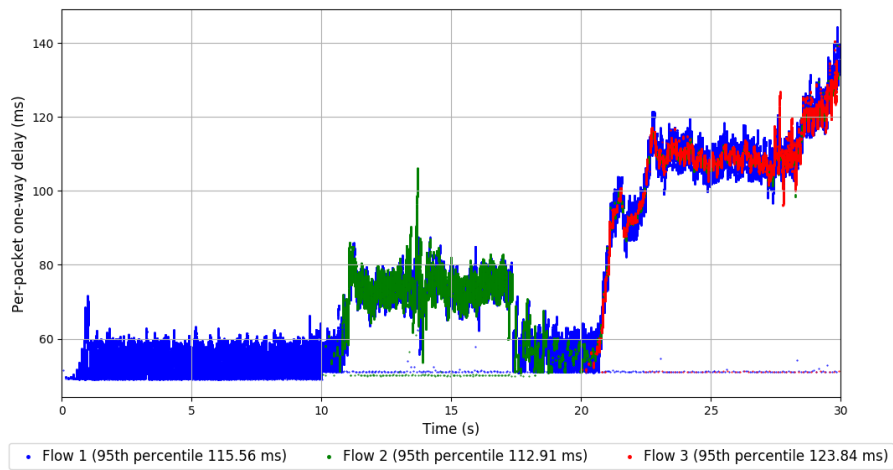
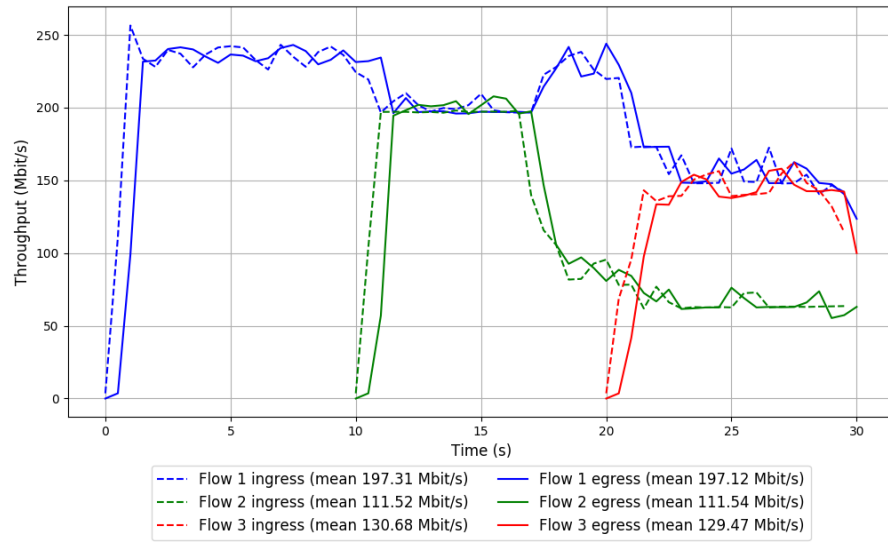


Run 1: Statistics of TCP Cubic

Start at: 2018-07-27 08:30:50
End at: 2018-07-27 08:31:20
Local clock offset: 0.298 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-27 12:43:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.93 Mbit/s
95th percentile per-packet one-way delay: 118.556 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 197.12 Mbit/s
95th percentile per-packet one-way delay: 115.560 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 111.54 Mbit/s
95th percentile per-packet one-way delay: 112.913 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 129.47 Mbit/s
95th percentile per-packet one-way delay: 123.837 ms
Loss rate: 1.88%

Run 1: Report of TCP Cubic — Data Link

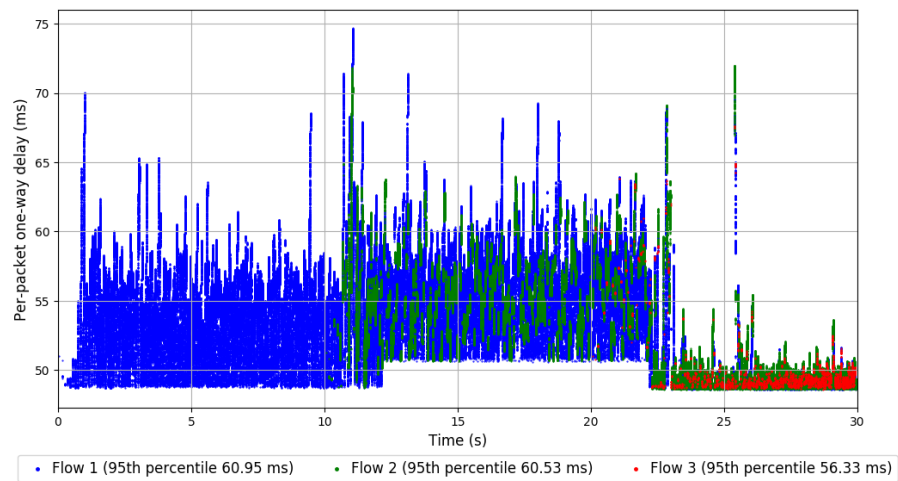
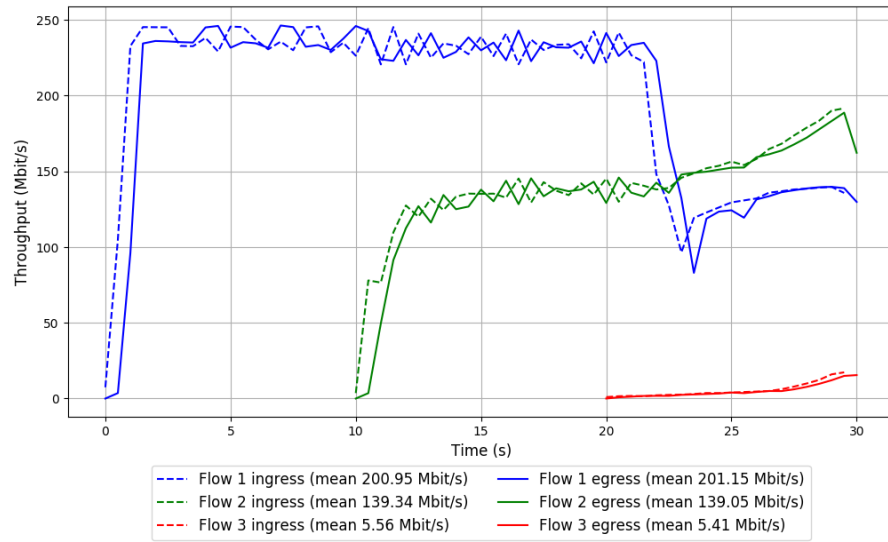


Run 2: Statistics of TCP Cubic

Start at: 2018-07-27 08:54:58
End at: 2018-07-27 08:55:28
Local clock offset: 0.013 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-27 12:43:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.38 Mbit/s
95th percentile per-packet one-way delay: 60.796 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 201.15 Mbit/s
95th percentile per-packet one-way delay: 60.954 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 139.05 Mbit/s
95th percentile per-packet one-way delay: 60.534 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 56.329 ms
Loss rate: 3.69%

Run 2: Report of TCP Cubic — Data Link

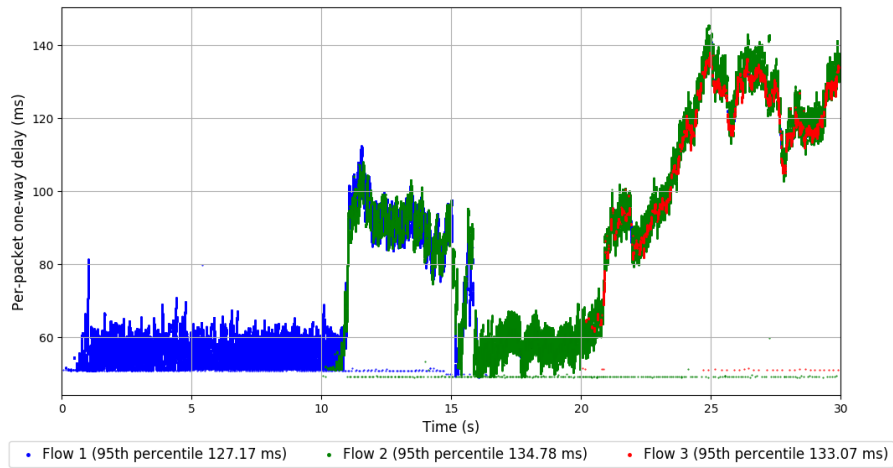
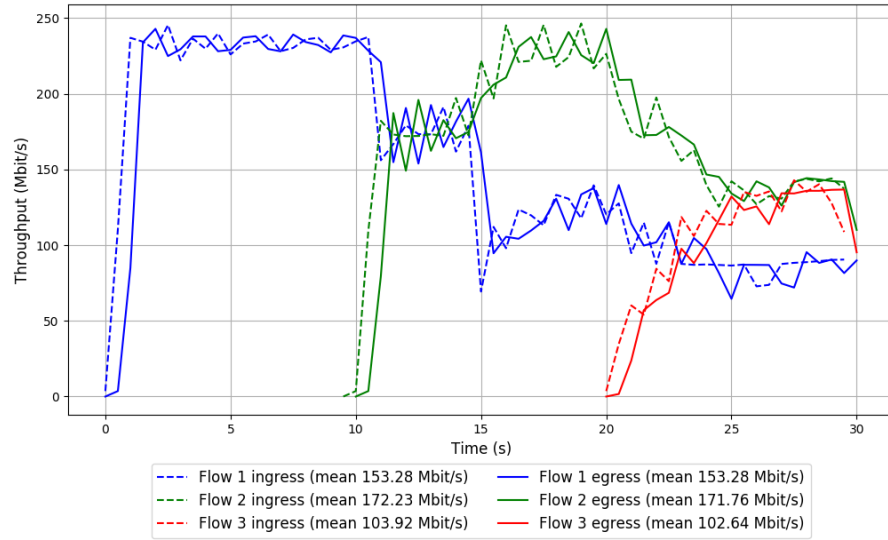


Run 3: Statistics of TCP Cubic

Start at: 2018-07-27 09:19:05
End at: 2018-07-27 09:19:35
Local clock offset: 0.273 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 12:43:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.32 Mbit/s
95th percentile per-packet one-way delay: 131.892 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 153.28 Mbit/s
95th percentile per-packet one-way delay: 127.166 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 134.777 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 102.64 Mbit/s
95th percentile per-packet one-way delay: 133.074 ms
Loss rate: 2.23%

Run 3: Report of TCP Cubic — Data Link

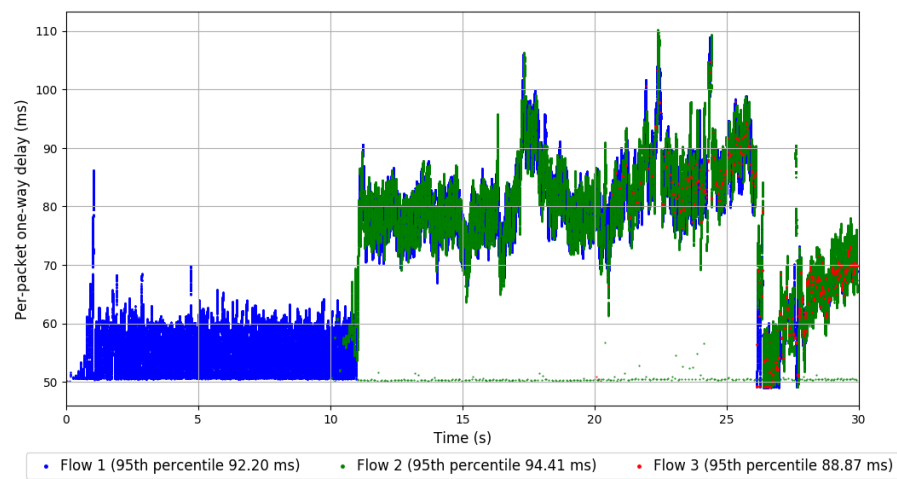
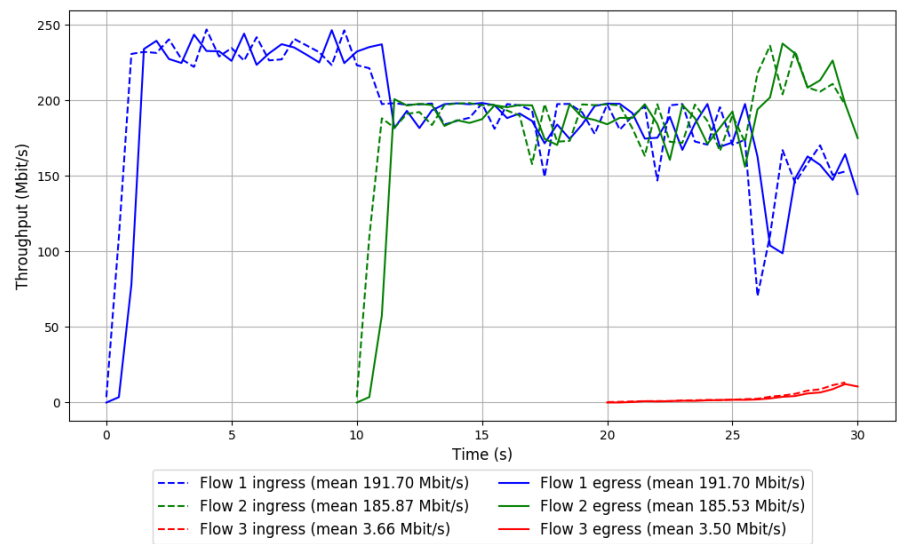


Run 4: Statistics of TCP Cubic

Start at: 2018-07-27 09:42:59
End at: 2018-07-27 09:43:29
Local clock offset: -0.455 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-27 12:44:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.23 Mbit/s
95th percentile per-packet one-way delay: 93.123 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 191.70 Mbit/s
95th percentile per-packet one-way delay: 92.204 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 185.53 Mbit/s
95th percentile per-packet one-way delay: 94.405 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 88.867 ms
Loss rate: 5.26%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-27 10:07:13

End at: 2018-07-27 10:07:43

Local clock offset: -0.083 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-27 12:46:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.29 Mbit/s

95th percentile per-packet one-way delay: 133.078 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 203.93 Mbit/s

95th percentile per-packet one-way delay: 125.875 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 139.115 ms

Loss rate: 3.59%

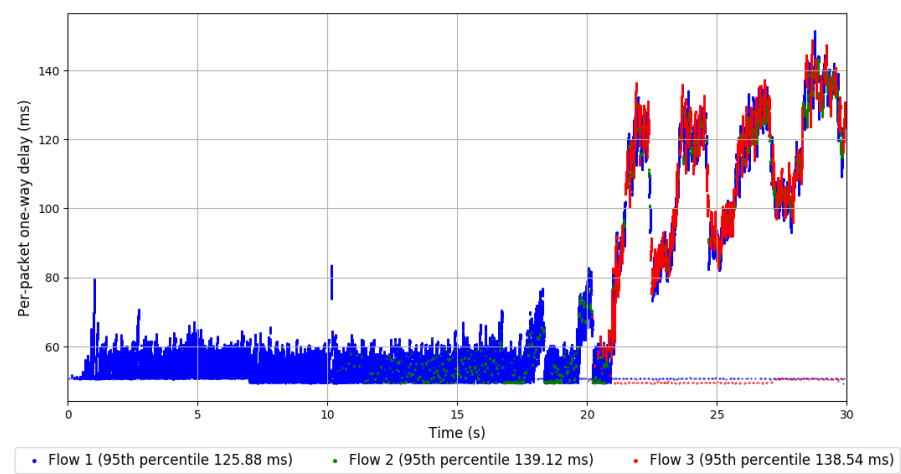
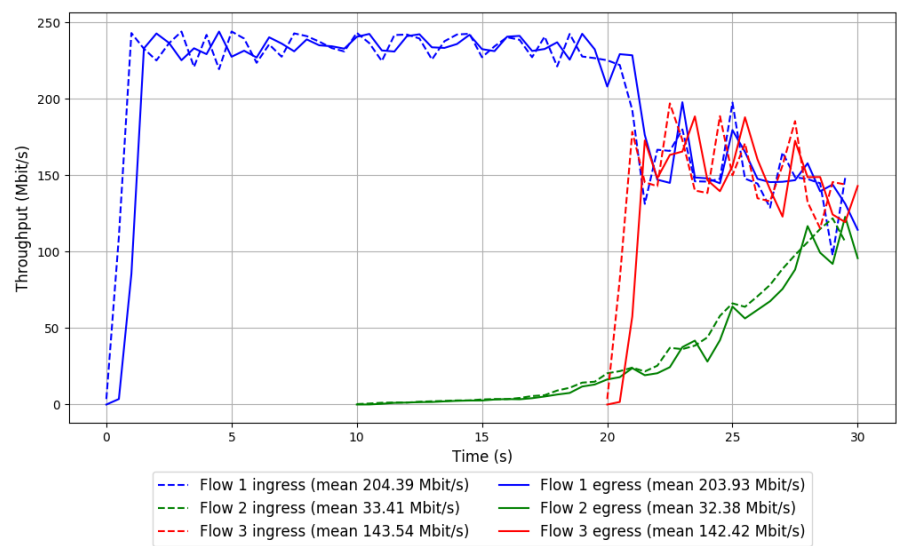
-- Flow 3:

Average throughput: 142.42 Mbit/s

95th percentile per-packet one-way delay: 138.544 ms

Loss rate: 1.71%

Run 5: Report of TCP Cubic — Data Link

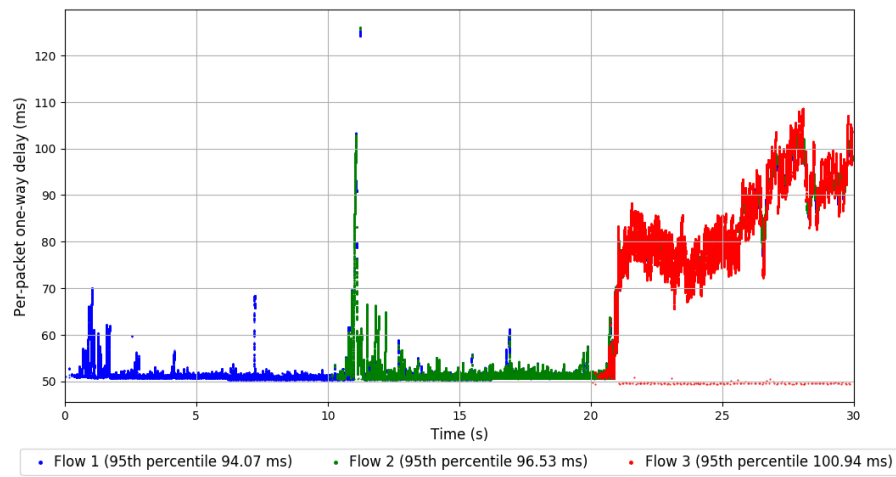
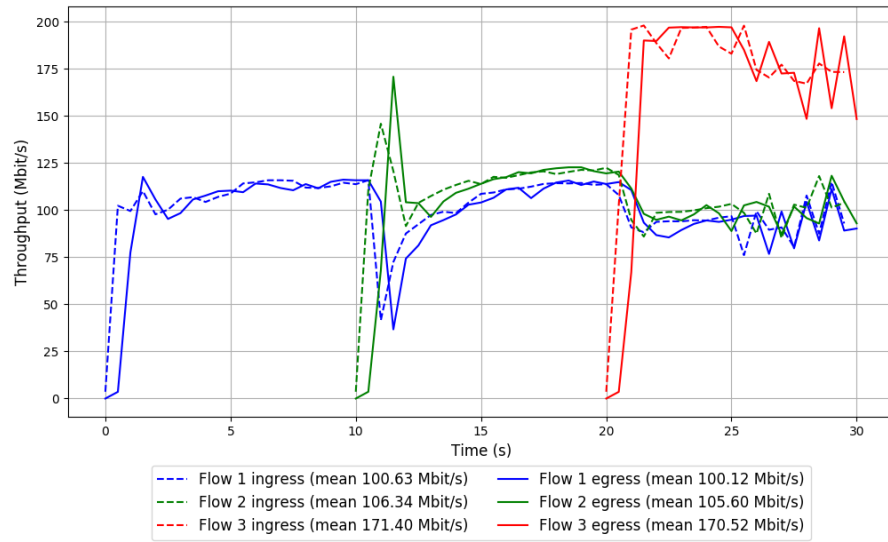


Run 6: Statistics of TCP Cubic

Start at: 2018-07-27 10:31:24
End at: 2018-07-27 10:31:54
Local clock offset: -0.039 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-27 12:46:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.49 Mbit/s
95th percentile per-packet one-way delay: 97.867 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 100.12 Mbit/s
95th percentile per-packet one-way delay: 94.069 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 105.60 Mbit/s
95th percentile per-packet one-way delay: 96.531 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 170.52 Mbit/s
95th percentile per-packet one-way delay: 100.945 ms
Loss rate: 1.45%

Run 6: Report of TCP Cubic — Data Link

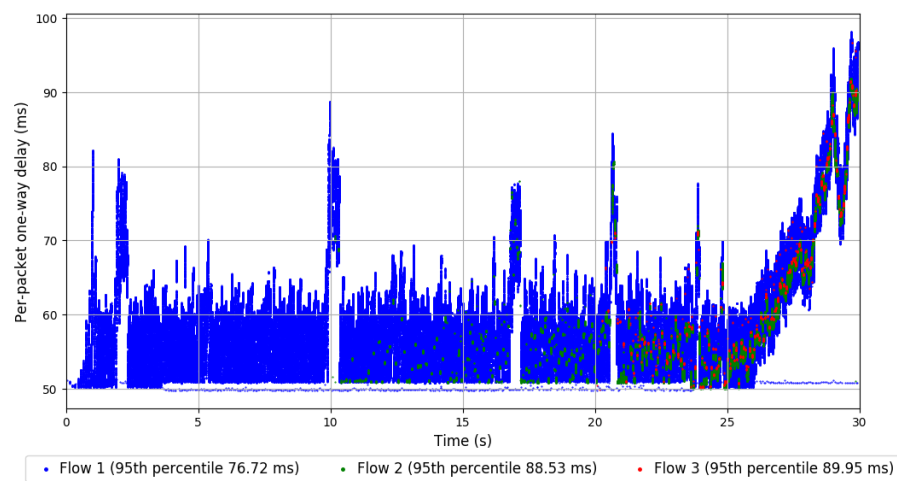
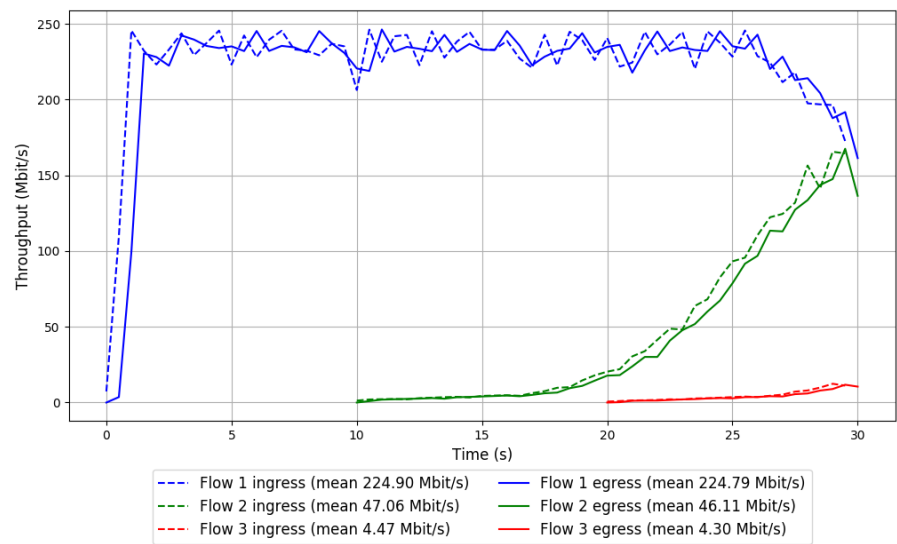


Run 7: Statistics of TCP Cubic

Start at: 2018-07-27 10:55:27
End at: 2018-07-27 10:55:57
Local clock offset: 0.328 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-27 12:47:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.81 Mbit/s
95th percentile per-packet one-way delay: 79.478 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 224.79 Mbit/s
95th percentile per-packet one-way delay: 76.725 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 88.534 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 89.955 ms
Loss rate: 4.66%

Run 7: Report of TCP Cubic — Data Link

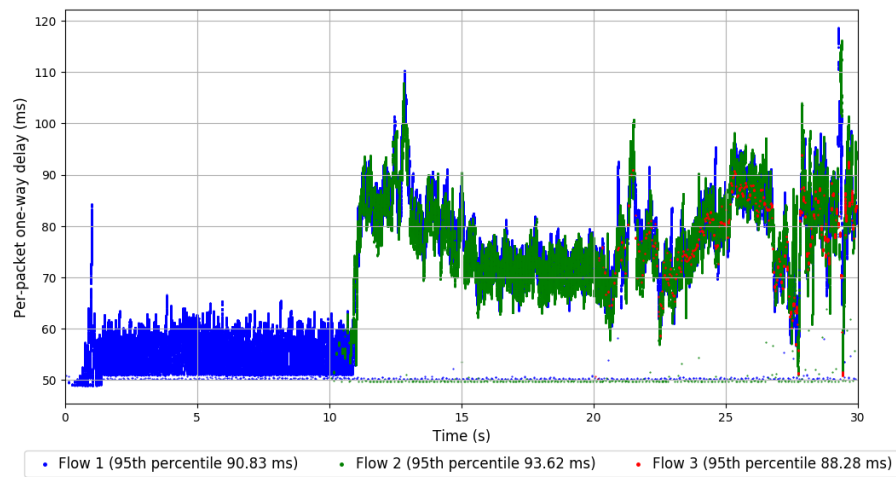
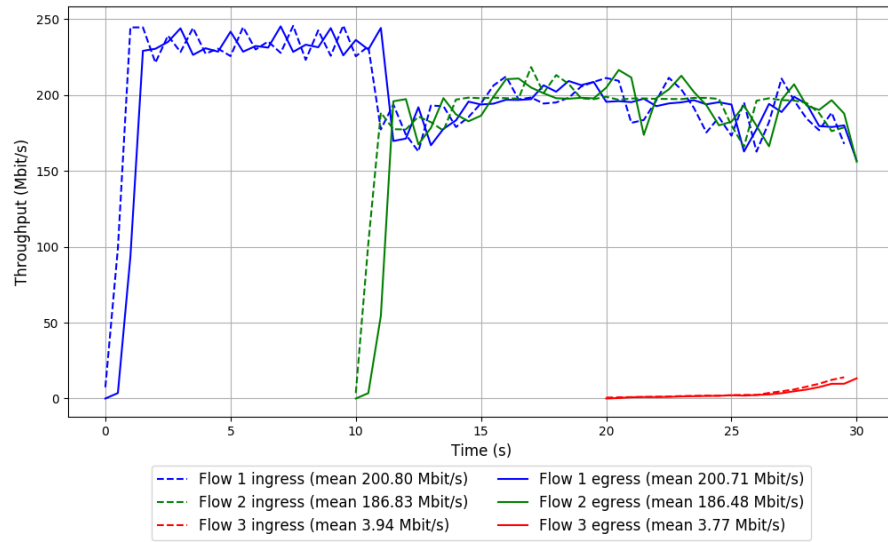


Run 8: Statistics of TCP Cubic

Start at: 2018-07-27 11:19:29
End at: 2018-07-27 11:19:59
Local clock offset: -0.079 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-27 12:48:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.97 Mbit/s
95th percentile per-packet one-way delay: 92.075 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 200.71 Mbit/s
95th percentile per-packet one-way delay: 90.828 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 186.48 Mbit/s
95th percentile per-packet one-way delay: 93.618 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 88.282 ms
Loss rate: 5.35%

Run 8: Report of TCP Cubic — Data Link

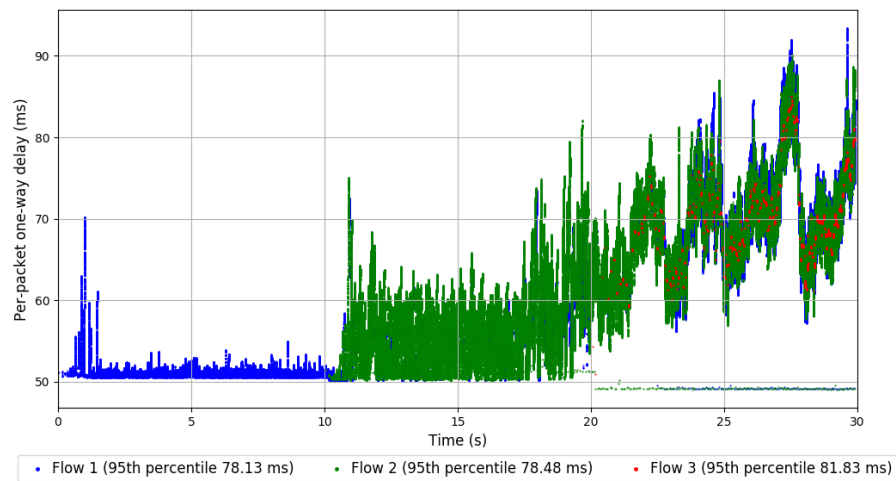
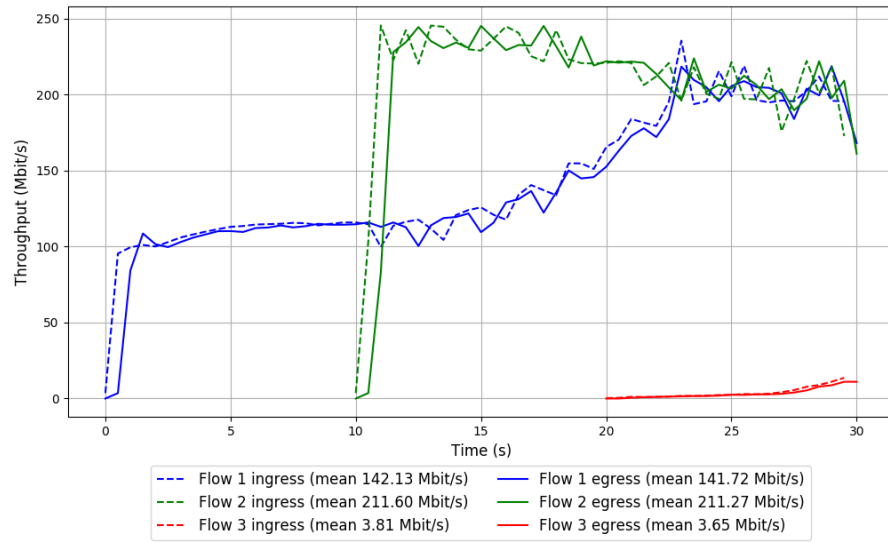


Run 9: Statistics of TCP Cubic

Start at: 2018-07-27 11:43:50
End at: 2018-07-27 11:44:20
Local clock offset: 0.191 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-27 12:48:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.32 Mbit/s
95th percentile per-packet one-way delay: 78.390 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 141.72 Mbit/s
95th percentile per-packet one-way delay: 78.128 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 211.27 Mbit/s
95th percentile per-packet one-way delay: 78.485 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 81.831 ms
Loss rate: 5.20%

Run 9: Report of TCP Cubic — Data Link

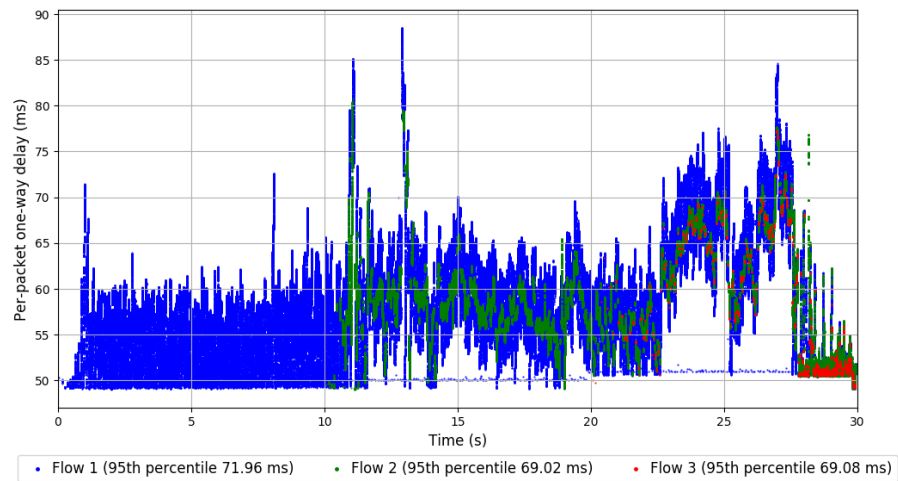
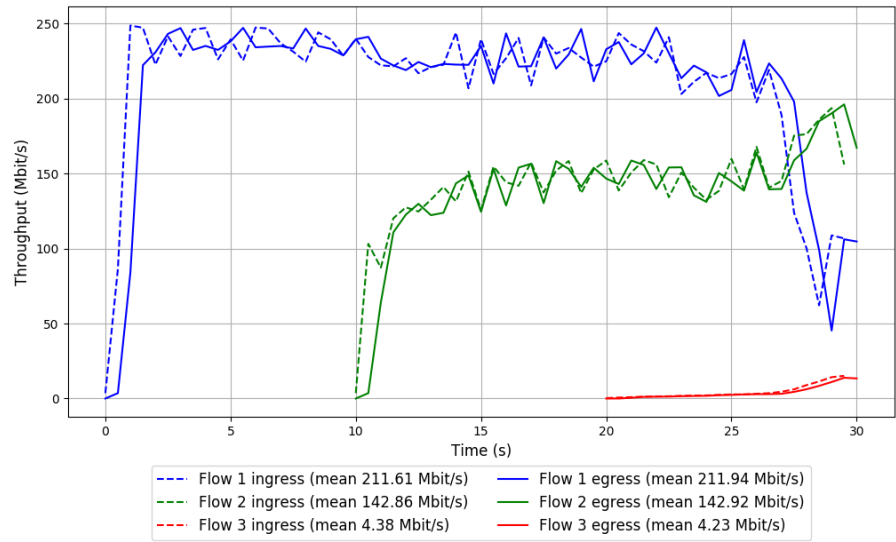


Run 10: Statistics of TCP Cubic

Start at: 2018-07-27 12:08:10
End at: 2018-07-27 12:08:40
Local clock offset: 0.23 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-07-27 12:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.37 Mbit/s
95th percentile per-packet one-way delay: 71.022 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 211.94 Mbit/s
95th percentile per-packet one-way delay: 71.957 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 142.92 Mbit/s
95th percentile per-packet one-way delay: 69.021 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 69.085 ms
Loss rate: 4.55%

Run 10: Report of TCP Cubic — Data Link

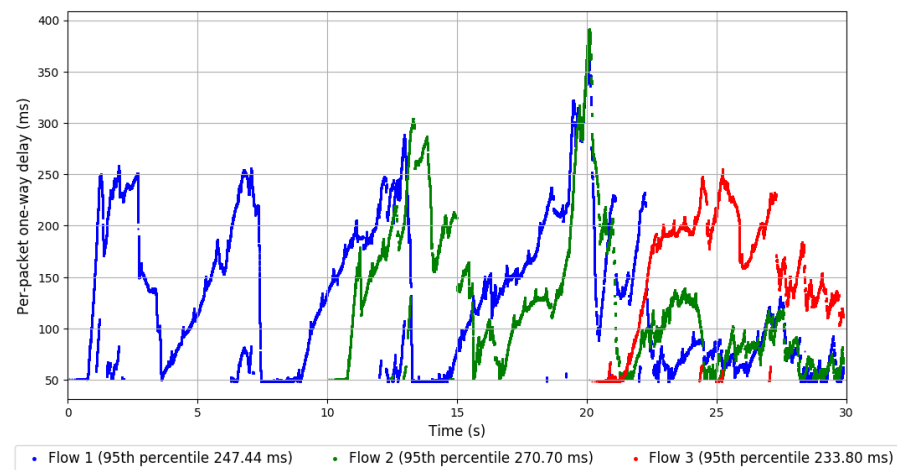
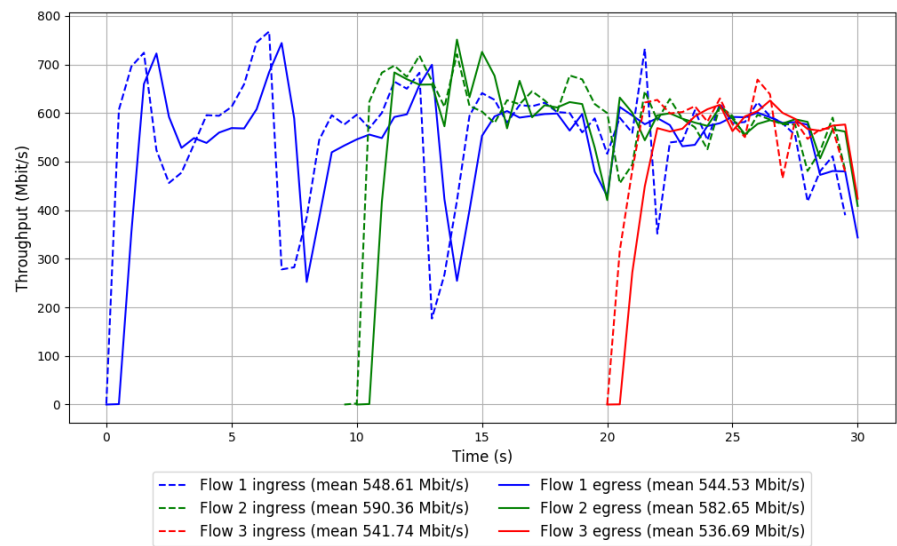


Run 1: Statistics of FillP

Start at: 2018-07-27 08:27:48
End at: 2018-07-27 08:28:18
Local clock offset: -0.138 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-27 13:08:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1108.17 Mbit/s
95th percentile per-packet one-way delay: 249.271 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 544.53 Mbit/s
95th percentile per-packet one-way delay: 247.439 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 582.65 Mbit/s
95th percentile per-packet one-way delay: 270.697 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 536.69 Mbit/s
95th percentile per-packet one-way delay: 233.800 ms
Loss rate: 1.92%

Run 1: Report of FillP — Data Link

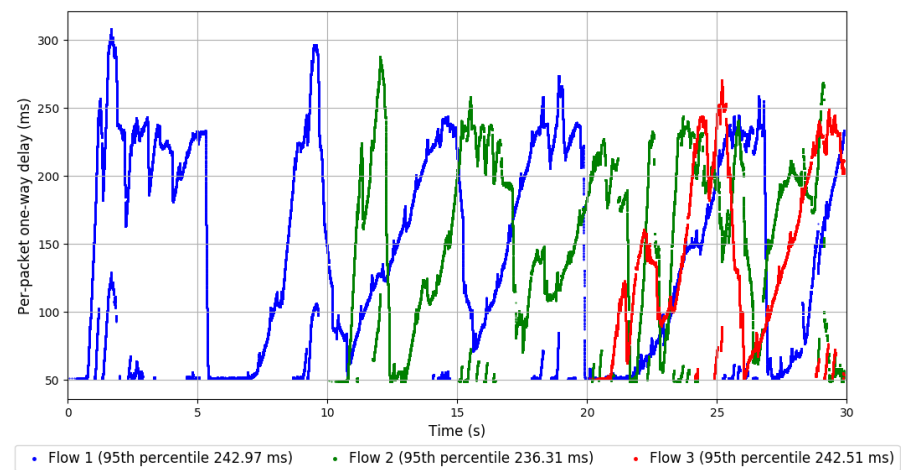
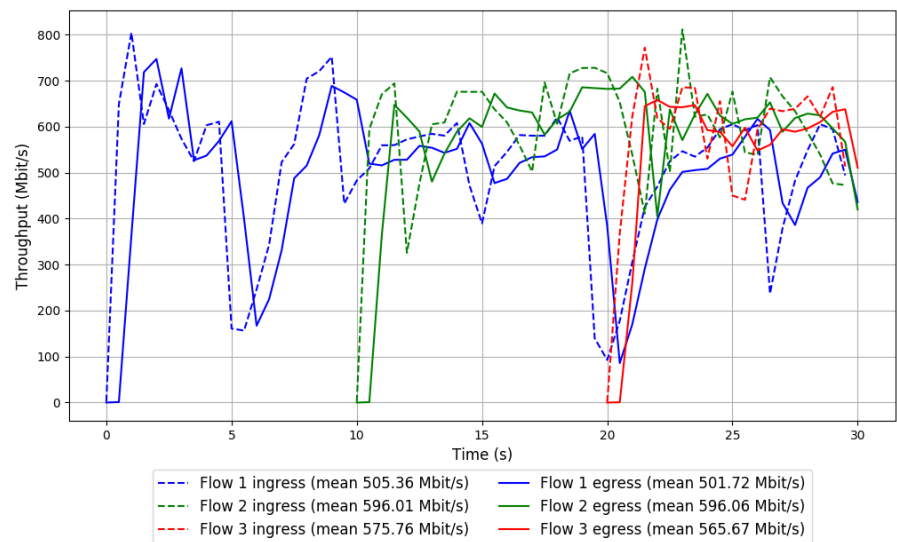


Run 2: Statistics of FillP

Start at: 2018-07-27 08:51:56
End at: 2018-07-27 08:52:26
Local clock offset: 0.391 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-27 13:09:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1083.88 Mbit/s
95th percentile per-packet one-way delay: 240.921 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 501.72 Mbit/s
95th percentile per-packet one-way delay: 242.971 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 596.06 Mbit/s
95th percentile per-packet one-way delay: 236.311 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 565.67 Mbit/s
95th percentile per-packet one-way delay: 242.506 ms
Loss rate: 2.68%

Run 2: Report of FillP — Data Link

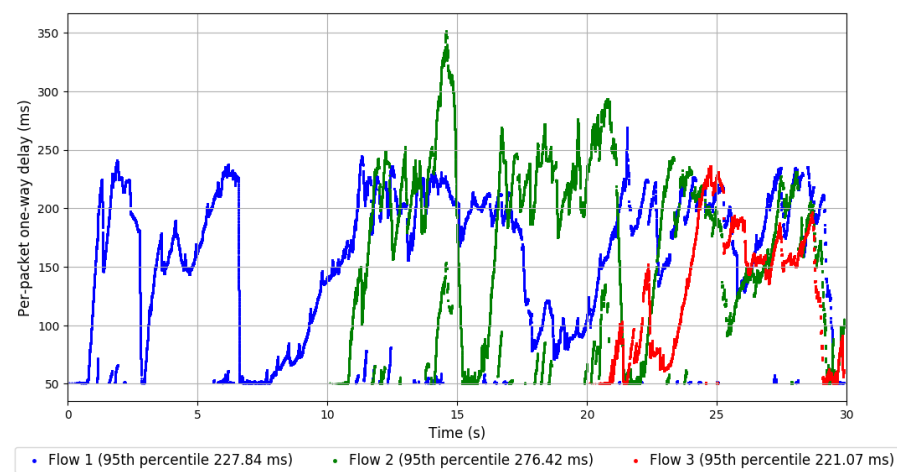
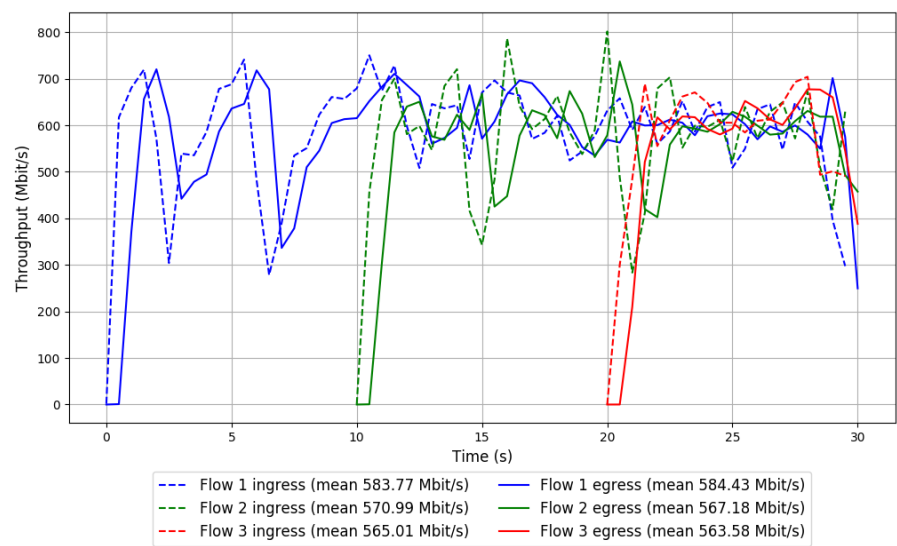


Run 3: Statistics of FillP

Start at: 2018-07-27 09:16:00
End at: 2018-07-27 09:16:30
Local clock offset: -0.023 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-27 13:12:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1145.69 Mbit/s
95th percentile per-packet one-way delay: 240.679 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 584.43 Mbit/s
95th percentile per-packet one-way delay: 227.840 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 567.18 Mbit/s
95th percentile per-packet one-way delay: 276.417 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 563.58 Mbit/s
95th percentile per-packet one-way delay: 221.068 ms
Loss rate: 1.28%

Run 3: Report of FillP — Data Link

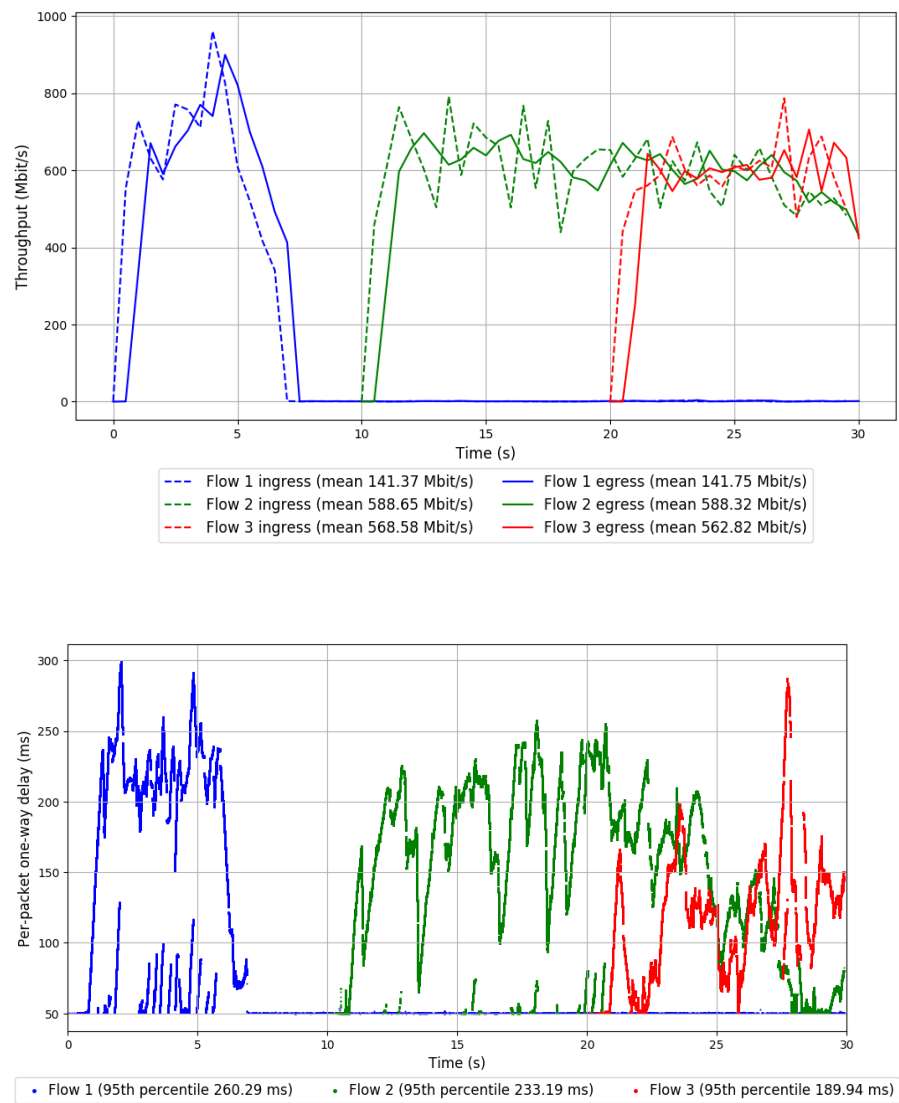


Run 4: Statistics of FillP

Start at: 2018-07-27 09:40:13
End at: 2018-07-27 09:40:43
Local clock offset: -0.419 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 13:12:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 717.10 Mbit/s
95th percentile per-packet one-way delay: 238.549 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 141.75 Mbit/s
95th percentile per-packet one-way delay: 260.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 588.32 Mbit/s
95th percentile per-packet one-way delay: 233.185 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 562.82 Mbit/s
95th percentile per-packet one-way delay: 189.943 ms
Loss rate: 2.04%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-27 10:04:08

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

Local clock offset: 0.243 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-27 13:14:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1166.15 Mbit/s

95th percentile per-packet one-way delay: 247.213 ms

Loss rate: 2.24%

-- Flow 1:

Average throughput: 600.49 Mbit/s

95th percentile per-packet one-way delay: 268.906 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 561.85 Mbit/s

95th percentile per-packet one-way delay: 223.621 ms

Loss rate: 1.17%

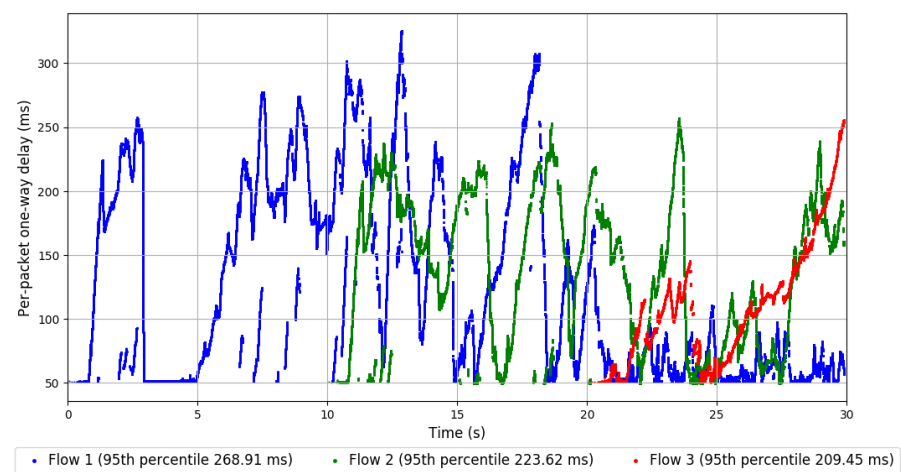
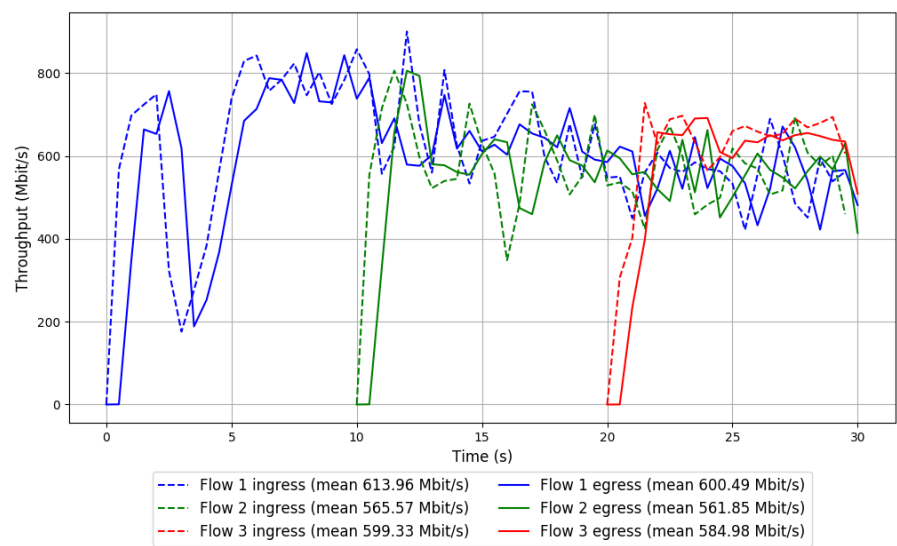
-- Flow 3:

Average throughput: 584.98 Mbit/s

95th percentile per-packet one-way delay: 209.447 ms

Loss rate: 3.41%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-27 10:28:21

End at: 2018-07-27 10:28:51

Local clock offset: -0.349 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-27 13:14:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1129.42 Mbit/s

95th percentile per-packet one-way delay: 219.845 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 603.65 Mbit/s

95th percentile per-packet one-way delay: 229.033 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 521.02 Mbit/s

95th percentile per-packet one-way delay: 194.379 ms

Loss rate: 0.49%

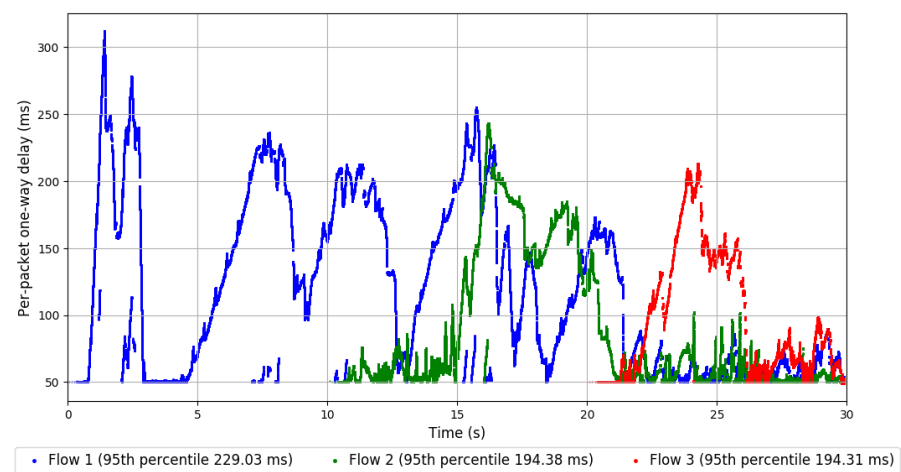
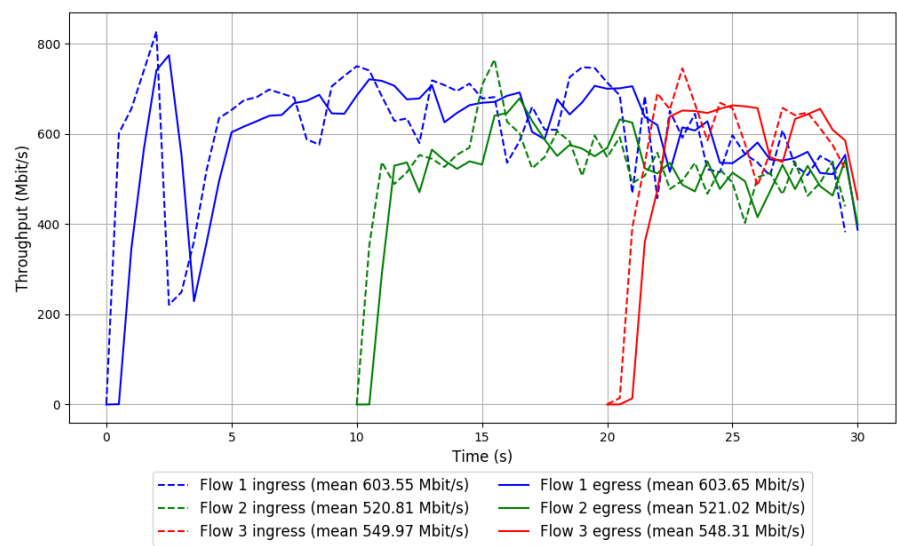
-- Flow 3:

Average throughput: 548.31 Mbit/s

95th percentile per-packet one-way delay: 194.314 ms

Loss rate: 1.33%

Run 6: Report of FillP — Data Link

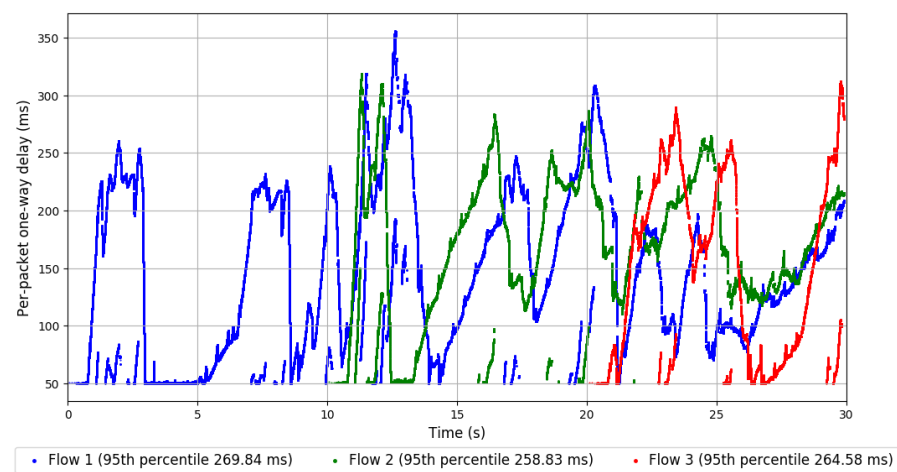
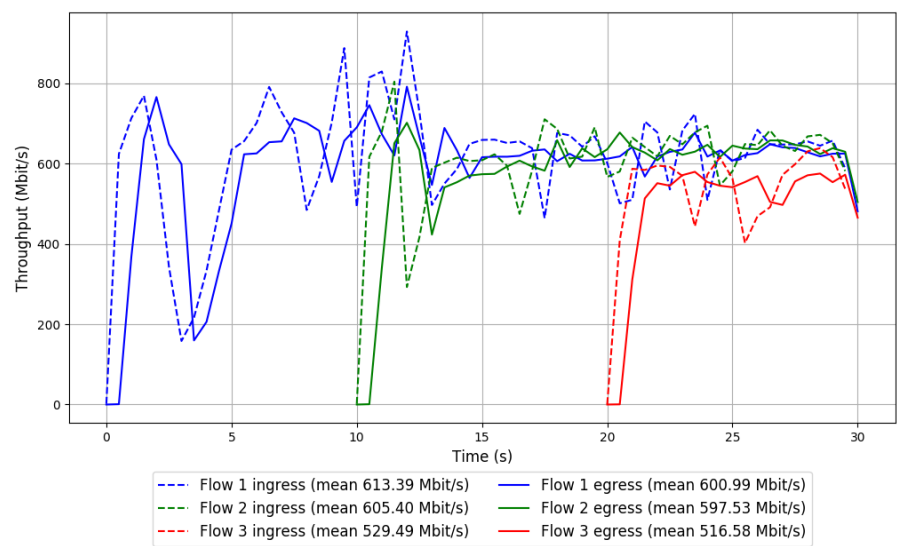


Run 7: Statistics of FillP

Start at: 2018-07-27 10:52:20
End at: 2018-07-27 10:52:50
Local clock offset: -0.058 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-27 13:16:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1167.79 Mbit/s
95th percentile per-packet one-way delay: 264.516 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 600.99 Mbit/s
95th percentile per-packet one-way delay: 269.842 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 597.53 Mbit/s
95th percentile per-packet one-way delay: 258.832 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 516.58 Mbit/s
95th percentile per-packet one-way delay: 264.585 ms
Loss rate: 3.42%

Run 7: Report of FillP — Data Link

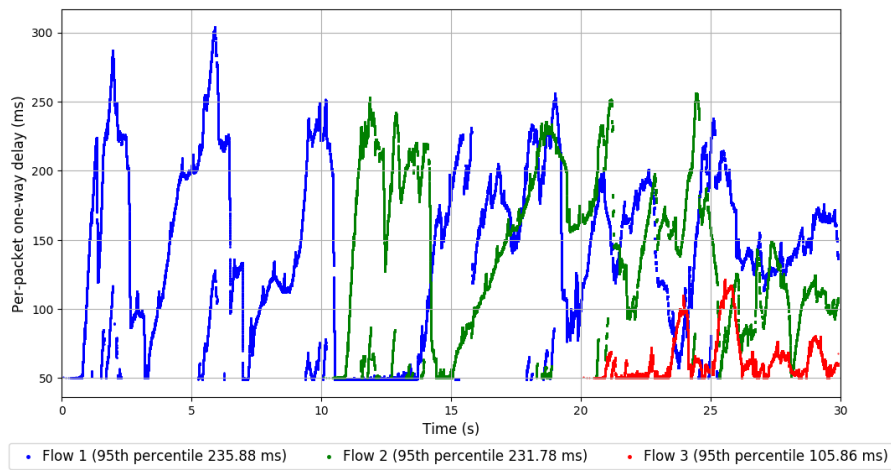
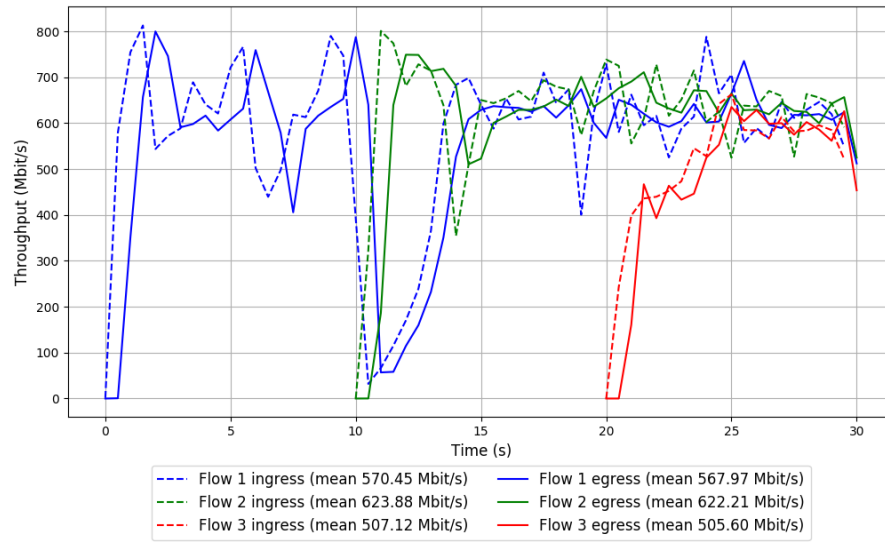


Run 8: Statistics of FillP

Start at: 2018-07-27 11:16:26
End at: 2018-07-27 11:16:56
Local clock offset: -0.436 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-27 13:16:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1146.83 Mbit/s
95th percentile per-packet one-way delay: 231.180 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 567.97 Mbit/s
95th percentile per-packet one-way delay: 235.884 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 622.21 Mbit/s
95th percentile per-packet one-way delay: 231.779 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 505.60 Mbit/s
95th percentile per-packet one-way delay: 105.855 ms
Loss rate: 1.25%

Run 8: Report of FillP — Data Link

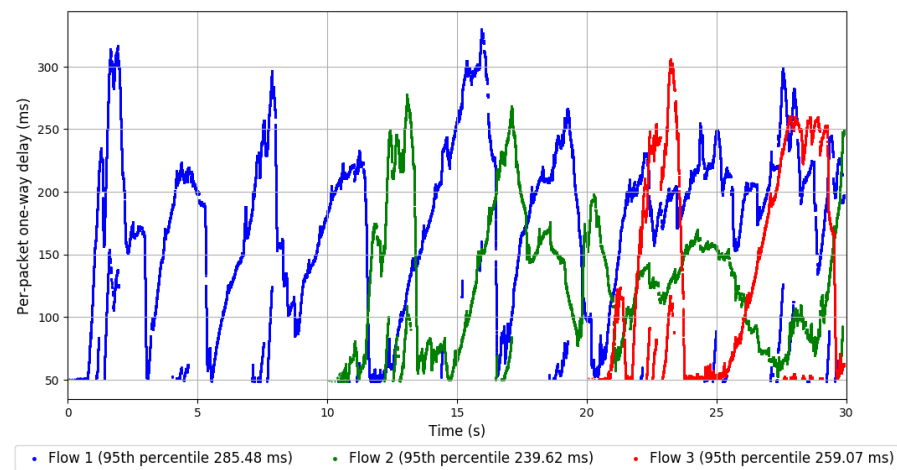
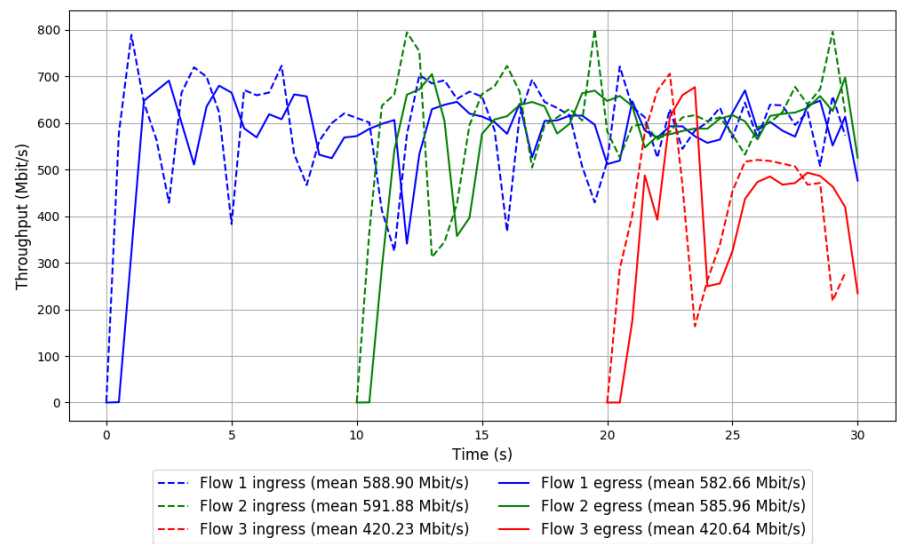


Run 9: Statistics of FillP

Start at: 2018-07-27 11:40:46
End at: 2018-07-27 11:41:16
Local clock offset: -0.183 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-27 13:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 1110.31 Mbit/s
95th percentile per-packet one-way delay: 261.516 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 582.66 Mbit/s
95th percentile per-packet one-way delay: 285.482 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 585.96 Mbit/s
95th percentile per-packet one-way delay: 239.615 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 420.64 Mbit/s
95th percentile per-packet one-way delay: 259.073 ms
Loss rate: 0.92%

Run 9: Report of FillP — Data Link

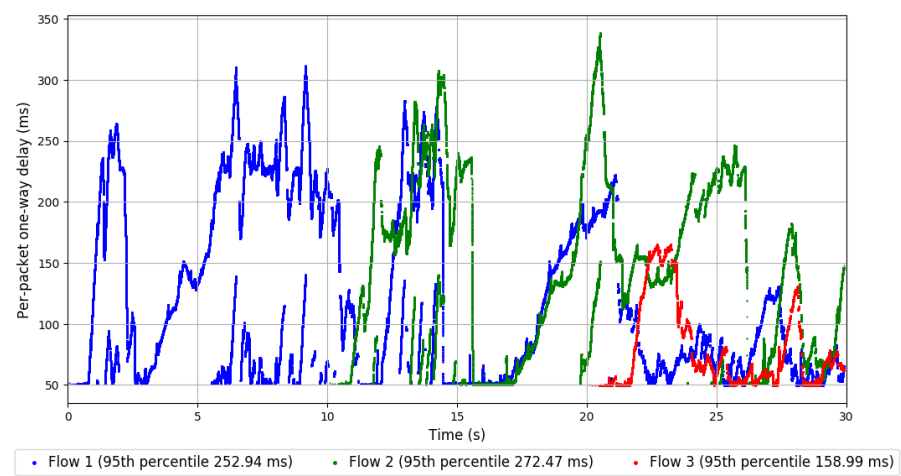
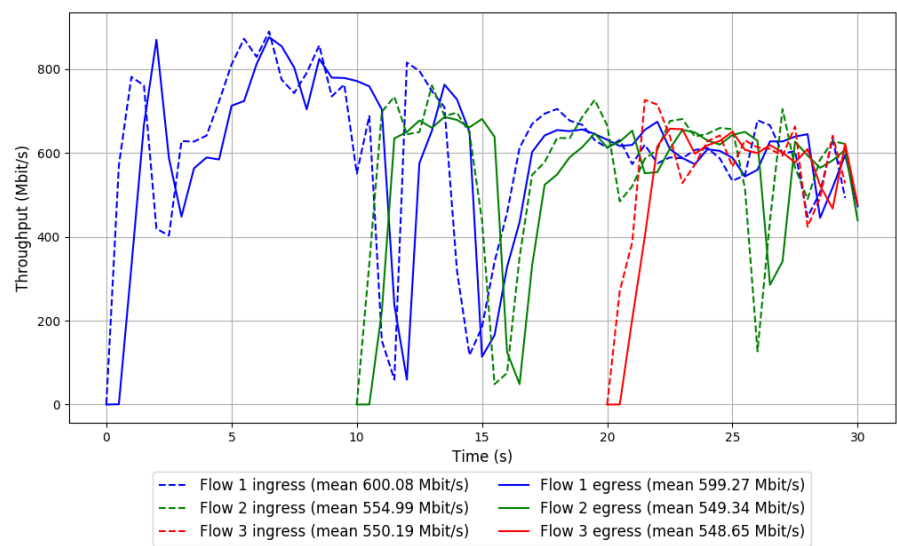


Run 10: Statistics of FillP

Start at: 2018-07-27 12:05:06
End at: 2018-07-27 12:05:36
Local clock offset: 0.248 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-27 13:36:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1143.67 Mbit/s
95th percentile per-packet one-way delay: 253.565 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 599.27 Mbit/s
95th percentile per-packet one-way delay: 252.941 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 549.34 Mbit/s
95th percentile per-packet one-way delay: 272.466 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 548.65 Mbit/s
95th percentile per-packet one-way delay: 158.988 ms
Loss rate: 1.30%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-27 08:16:45

End at: 2018-07-27 08:17:15

Local clock offset: -0.161 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-27 13:36:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 1044.86 Mbit/s

95th percentile per-packet one-way delay: 111.317 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 476.16 Mbit/s

95th percentile per-packet one-way delay: 99.217 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 586.05 Mbit/s

95th percentile per-packet one-way delay: 101.158 ms

Loss rate: 0.76%

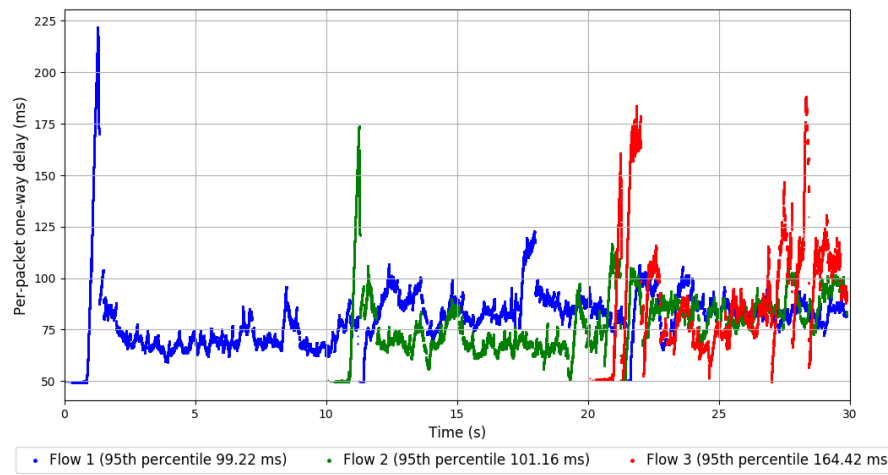
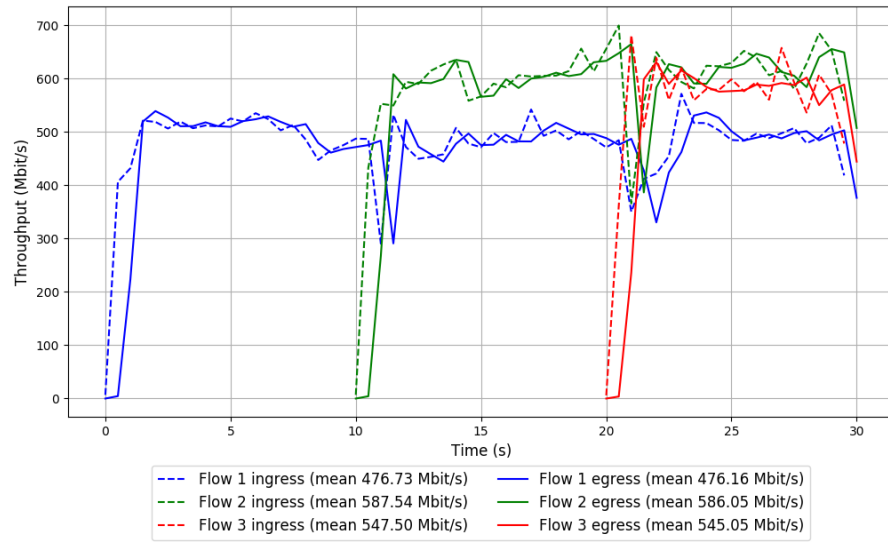
-- Flow 3:

Average throughput: 545.05 Mbit/s

95th percentile per-packet one-way delay: 164.419 ms

Loss rate: 1.48%

Run 1: Report of FillP-Sheep — Data Link

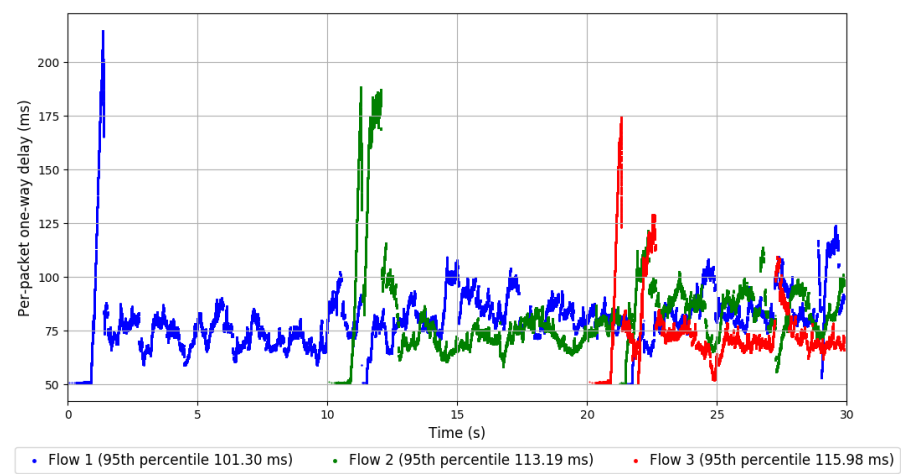
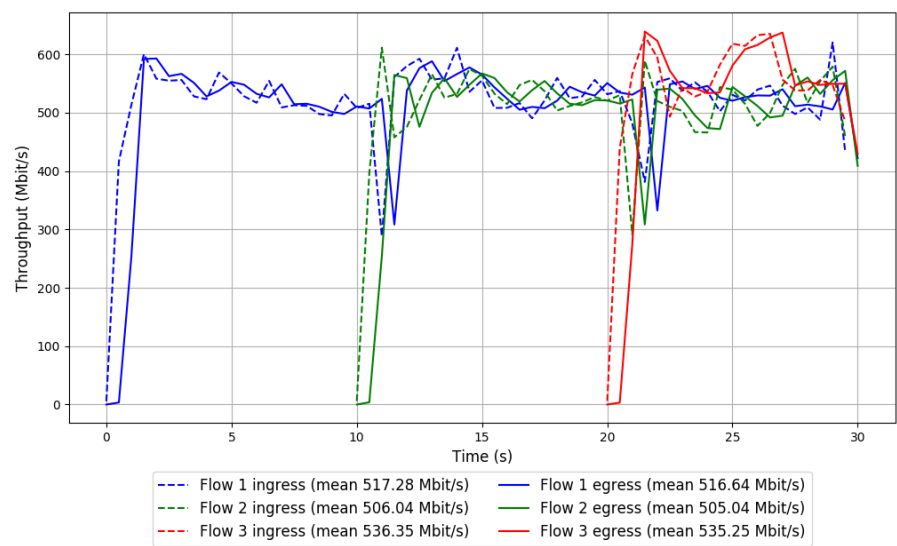


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-27 08:40:56
End at: 2018-07-27 08:41:26
Local clock offset: 0.011 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-27 13:36:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1028.48 Mbit/s
95th percentile per-packet one-way delay: 107.557 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 516.64 Mbit/s
95th percentile per-packet one-way delay: 101.295 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 505.04 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 535.25 Mbit/s
95th percentile per-packet one-way delay: 115.977 ms
Loss rate: 1.22%

Run 2: Report of FillP-Sheep — Data Link

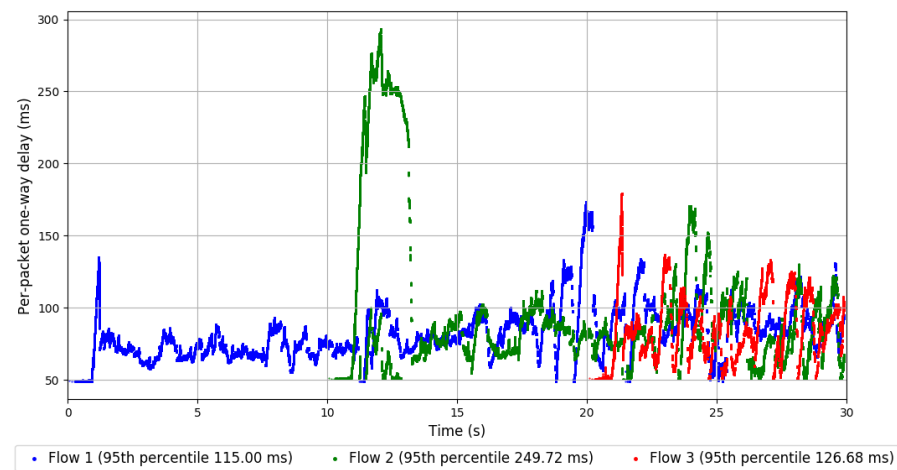
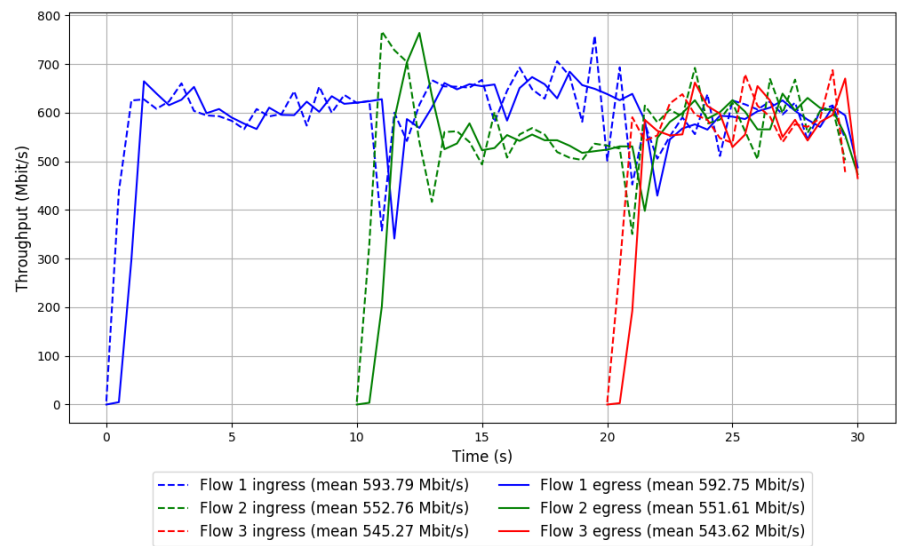


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-27 09:04:58
End at: 2018-07-27 09:05:28
Local clock offset: -0.014 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-27 13:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1138.18 Mbit/s
95th percentile per-packet one-way delay: 141.135 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 592.75 Mbit/s
95th percentile per-packet one-way delay: 115.003 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 551.61 Mbit/s
95th percentile per-packet one-way delay: 249.723 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 543.62 Mbit/s
95th percentile per-packet one-way delay: 126.680 ms
Loss rate: 1.32%

Run 3: Report of FillP-Sheep — Data Link

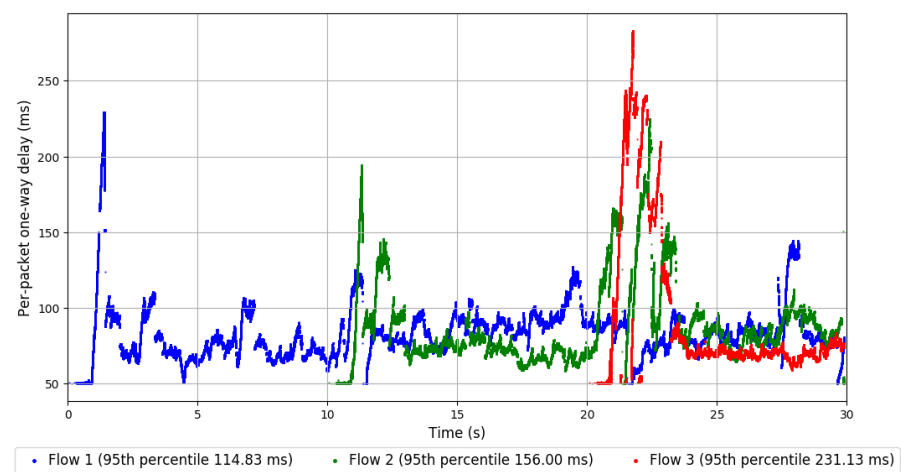
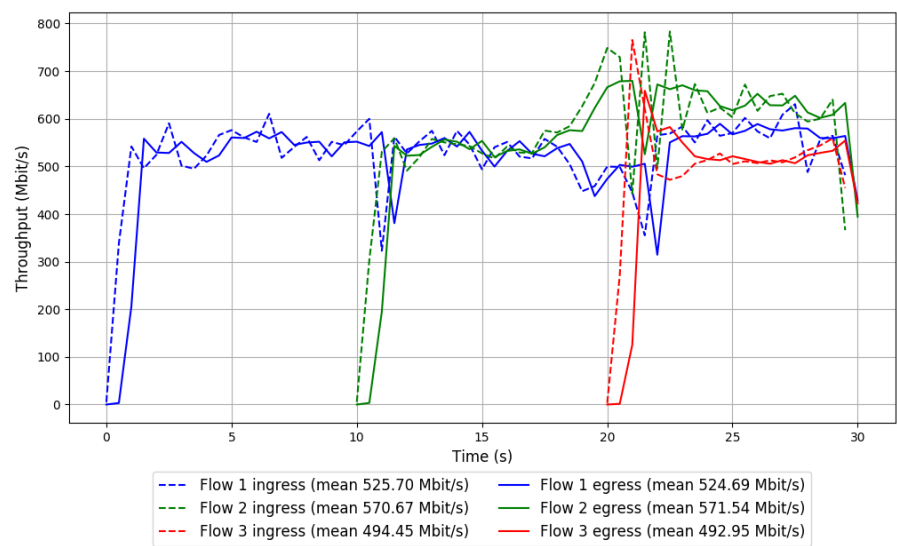


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-27 09:29:08
End at: 2018-07-27 09:29:38
Local clock offset: -0.404 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-27 13:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1066.63 Mbit/s
95th percentile per-packet one-way delay: 155.140 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 524.69 Mbit/s
95th percentile per-packet one-way delay: 114.825 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 571.54 Mbit/s
95th percentile per-packet one-way delay: 156.000 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 492.95 Mbit/s
95th percentile per-packet one-way delay: 231.126 ms
Loss rate: 1.24%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-27 09:53:06

End at: 2018-07-27 09:53:36

Local clock offset: 0.254 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-27 13:41:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 1106.15 Mbit/s

95th percentile per-packet one-way delay: 165.569 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 559.79 Mbit/s

95th percentile per-packet one-way delay: 121.791 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 558.25 Mbit/s

95th percentile per-packet one-way delay: 230.380 ms

Loss rate: 0.94%

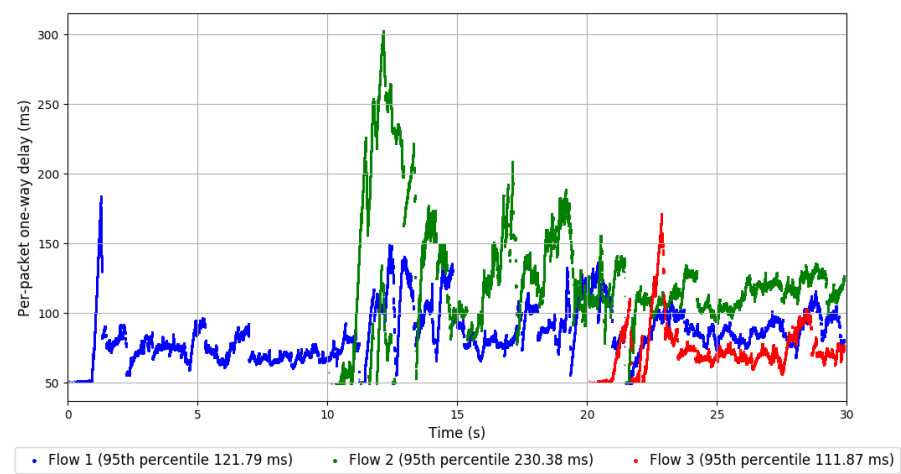
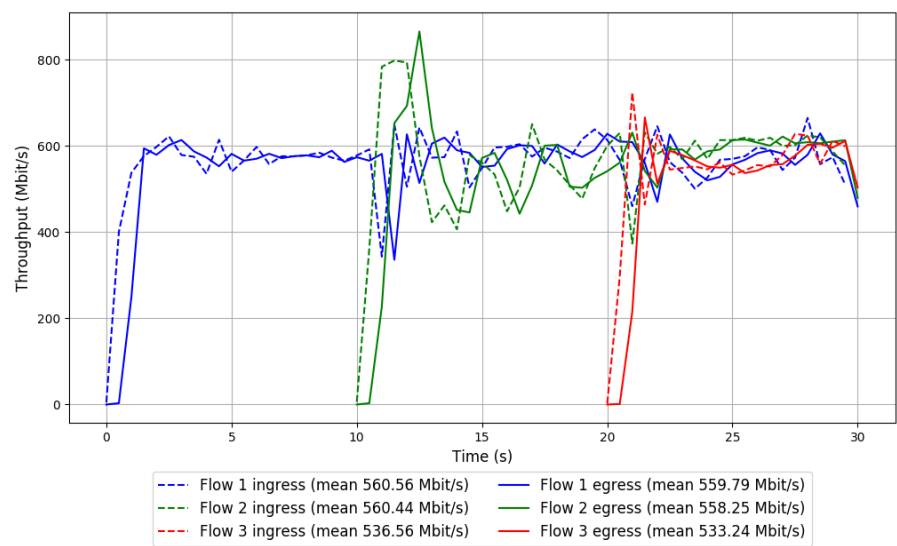
-- Flow 3:

Average throughput: 533.24 Mbit/s

95th percentile per-packet one-way delay: 111.872 ms

Loss rate: 1.66%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-27 10:17:13

End at: 2018-07-27 10:17:43

Local clock offset: 0.316 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-27 13:43:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1158.14 Mbit/s

95th percentile per-packet one-way delay: 132.185 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 595.97 Mbit/s

95th percentile per-packet one-way delay: 140.791 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 576.02 Mbit/s

95th percentile per-packet one-way delay: 104.807 ms

Loss rate: 0.44%

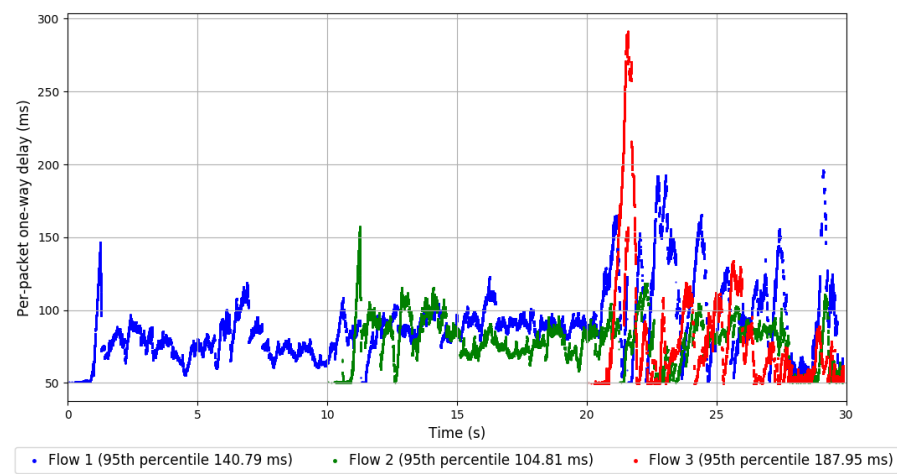
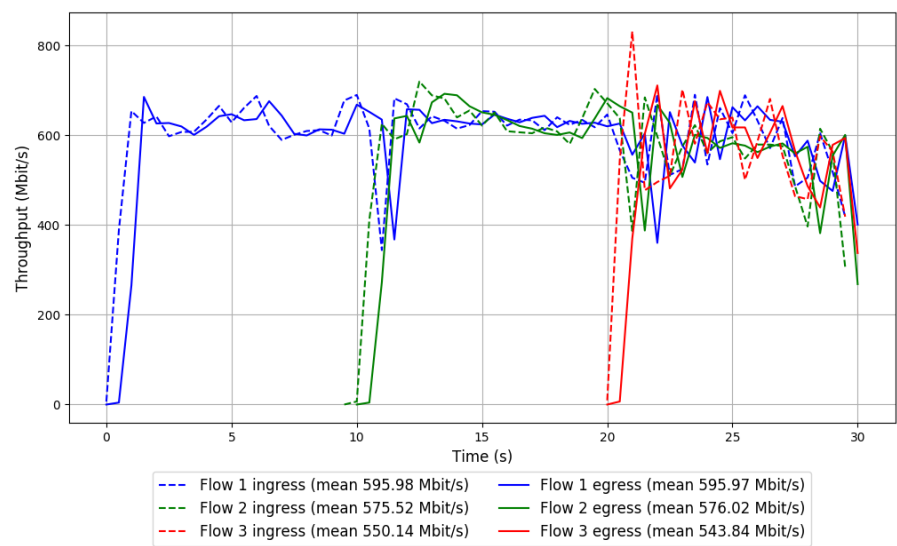
-- Flow 3:

Average throughput: 543.84 Mbit/s

95th percentile per-packet one-way delay: 187.946 ms

Loss rate: 2.17%

Run 6: Report of FillP-Sheep — Data Link

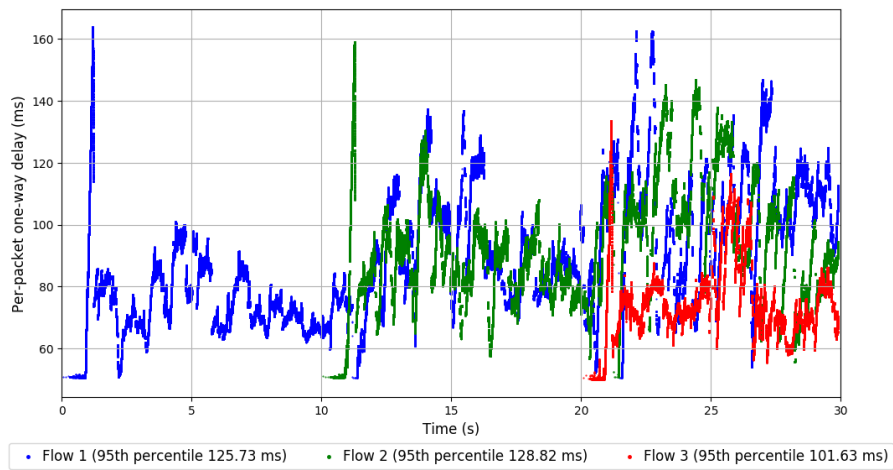
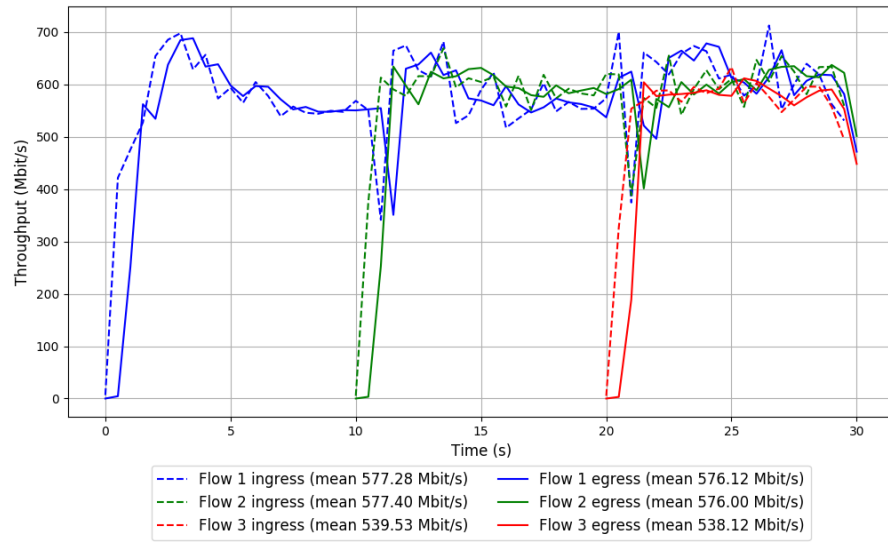


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-27 10:41:18
End at: 2018-07-27 10:41:48
Local clock offset: -0.032 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-27 13:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 1136.05 Mbit/s
95th percentile per-packet one-way delay: 125.688 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 576.12 Mbit/s
95th percentile per-packet one-way delay: 125.733 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 576.00 Mbit/s
95th percentile per-packet one-way delay: 128.819 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 538.12 Mbit/s
95th percentile per-packet one-way delay: 101.631 ms
Loss rate: 1.26%

Run 7: Report of FillP-Sheep — Data Link

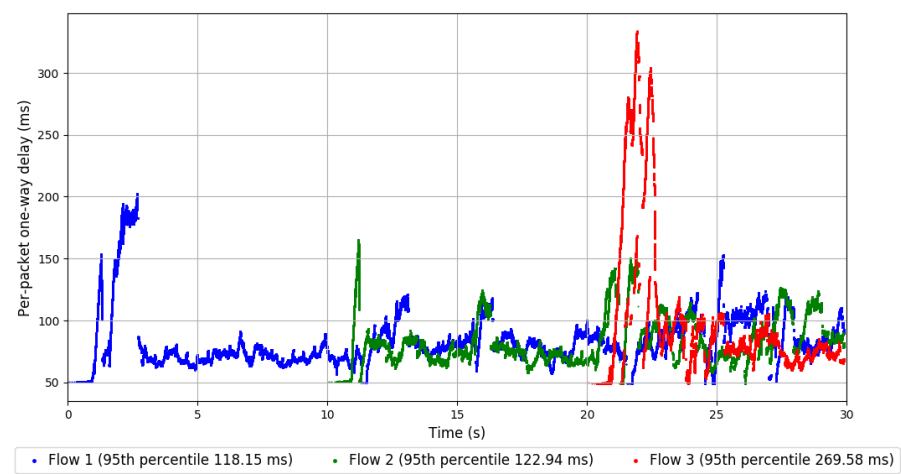
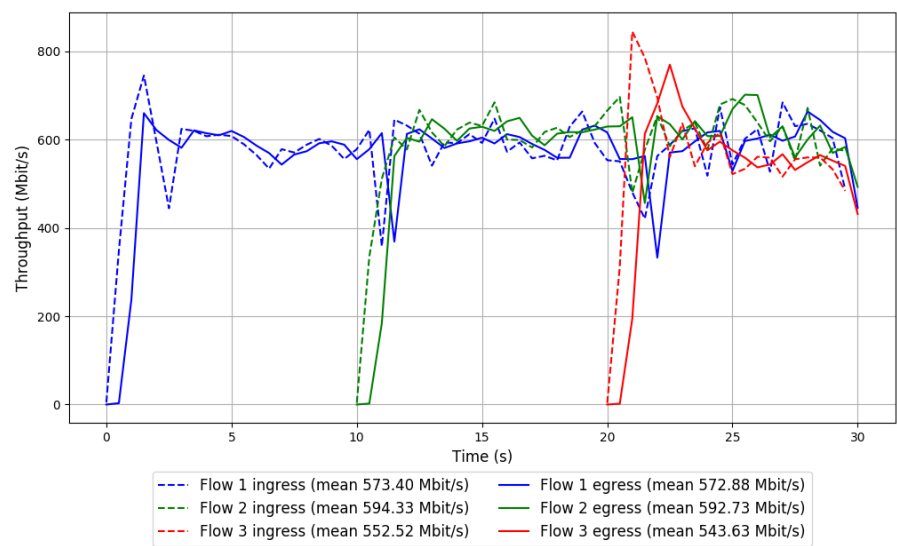


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-27 11:05:23
End at: 2018-07-27 11:05:53
Local clock offset: -0.384 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-27 14:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1145.82 Mbit/s
95th percentile per-packet one-way delay: 138.692 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 572.88 Mbit/s
95th percentile per-packet one-way delay: 118.149 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 592.73 Mbit/s
95th percentile per-packet one-way delay: 122.938 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 543.63 Mbit/s
95th percentile per-packet one-way delay: 269.576 ms
Loss rate: 2.60%

Run 8: Report of FillP-Sheep — Data Link

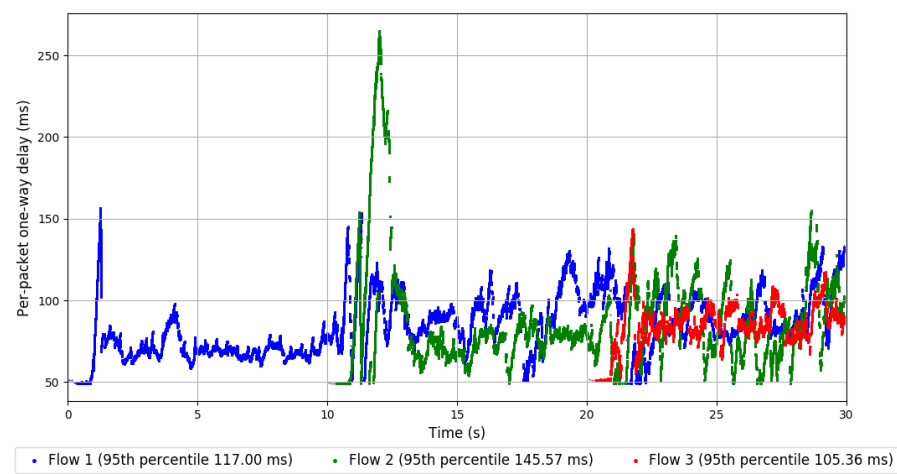
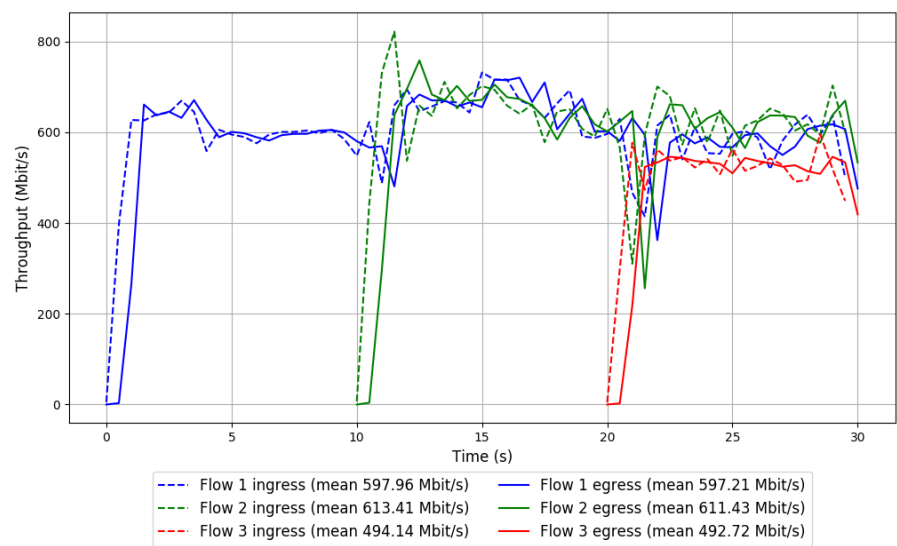


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-27 11:29:30
End at: 2018-07-27 11:30:00
Local clock offset: 0.239 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-27 14:05:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1165.57 Mbit/s
95th percentile per-packet one-way delay: 122.591 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 597.21 Mbit/s
95th percentile per-packet one-way delay: 117.000 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 611.43 Mbit/s
95th percentile per-packet one-way delay: 145.573 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 492.72 Mbit/s
95th percentile per-packet one-way delay: 105.359 ms
Loss rate: 1.32%

Run 9: Report of FillP-Sheep — Data Link

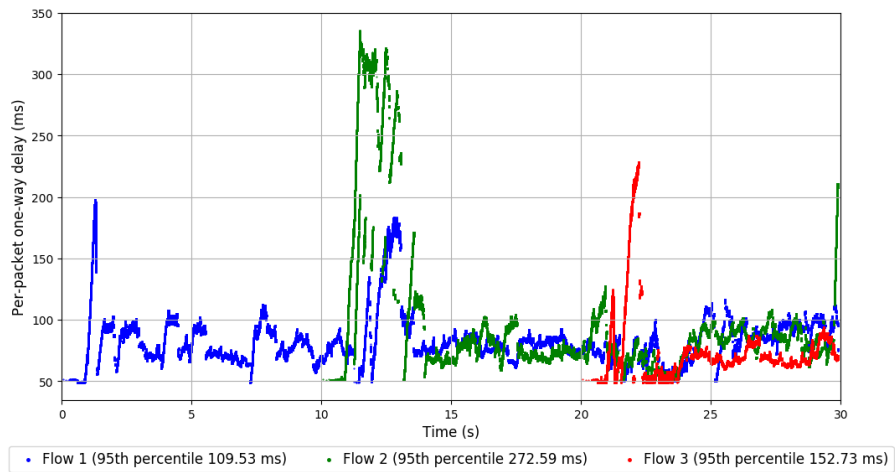
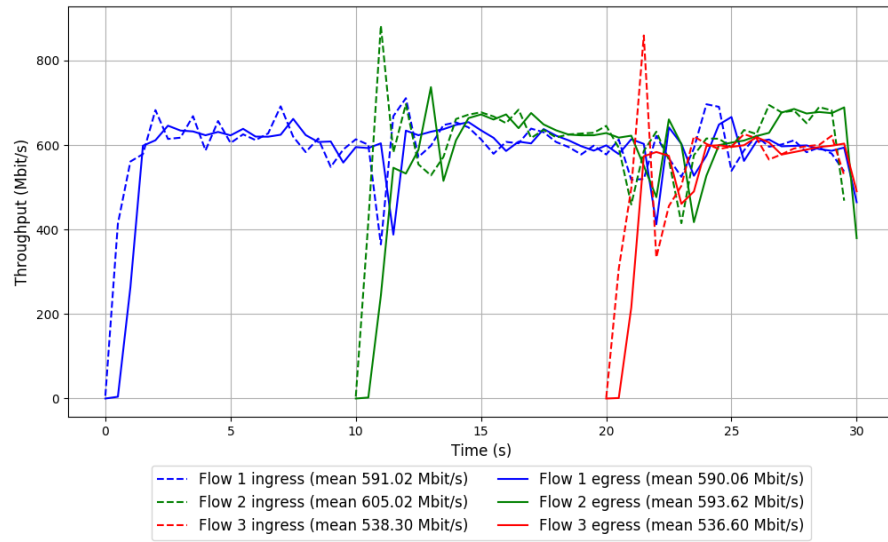


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-27 11:53:50
End at: 2018-07-27 11:54:20
Local clock offset: 0.195 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1161.22 Mbit/s
95th percentile per-packet one-way delay: 160.759 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 590.06 Mbit/s
95th percentile per-packet one-way delay: 109.533 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 593.62 Mbit/s
95th percentile per-packet one-way delay: 272.586 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 536.60 Mbit/s
95th percentile per-packet one-way delay: 152.730 ms
Loss rate: 1.30%

Run 10: Report of FillP-Sheep — Data Link

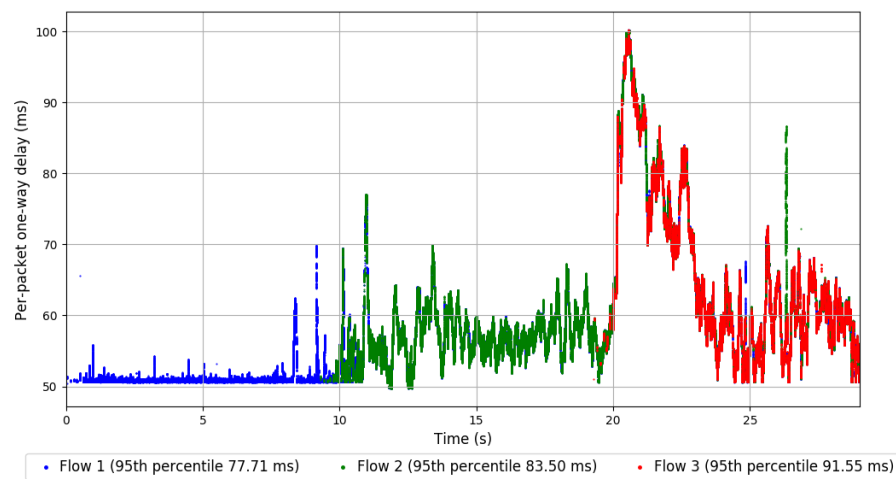
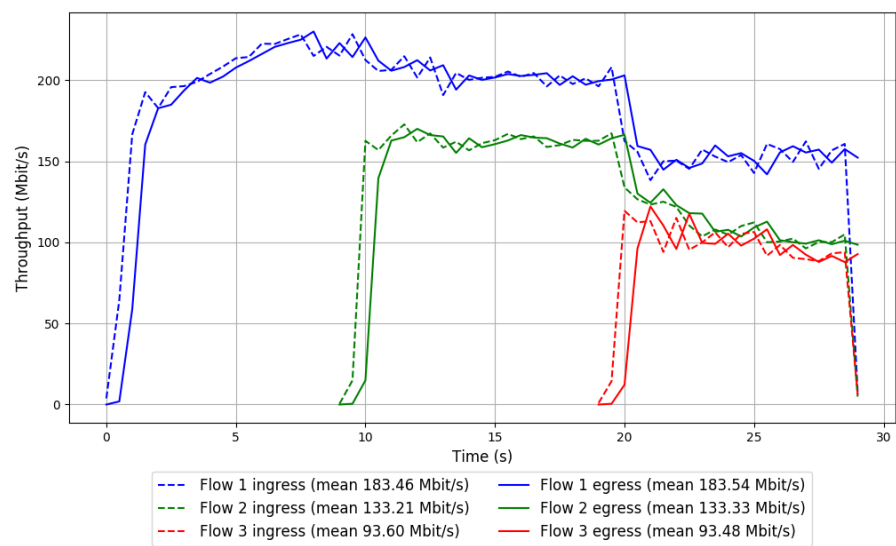


Run 1: Statistics of Indigo

Start at: 2018-07-27 08:15:18
End at: 2018-07-27 08:15:48
Local clock offset: -0.097 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.46 Mbit/s
95th percentile per-packet one-way delay: 82.650 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 183.54 Mbit/s
95th percentile per-packet one-way delay: 77.710 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 133.33 Mbit/s
95th percentile per-packet one-way delay: 83.500 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 91.547 ms
Loss rate: 1.16%

Run 1: Report of Indigo — Data Link

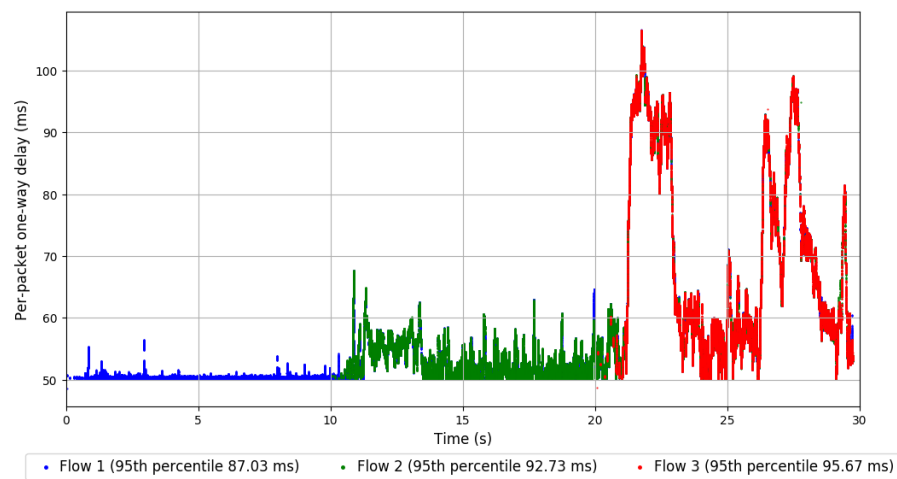
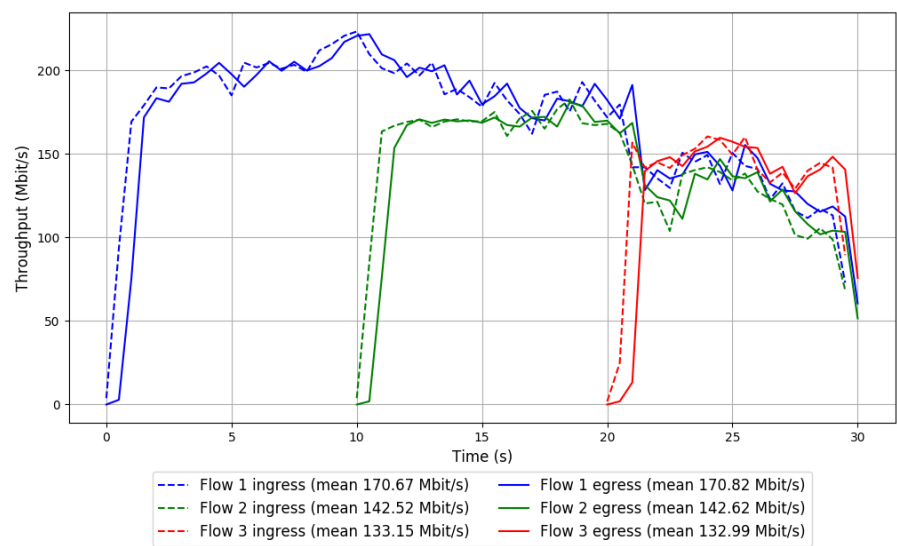


Run 2: Statistics of Indigo

Start at: 2018-07-27 08:39:27
End at: 2018-07-27 08:39:57
Local clock offset: -0.352 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.63 Mbit/s
95th percentile per-packet one-way delay: 92.727 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 170.82 Mbit/s
95th percentile per-packet one-way delay: 87.028 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 142.62 Mbit/s
95th percentile per-packet one-way delay: 92.729 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 132.99 Mbit/s
95th percentile per-packet one-way delay: 95.673 ms
Loss rate: 1.13%

Run 2: Report of Indigo — Data Link

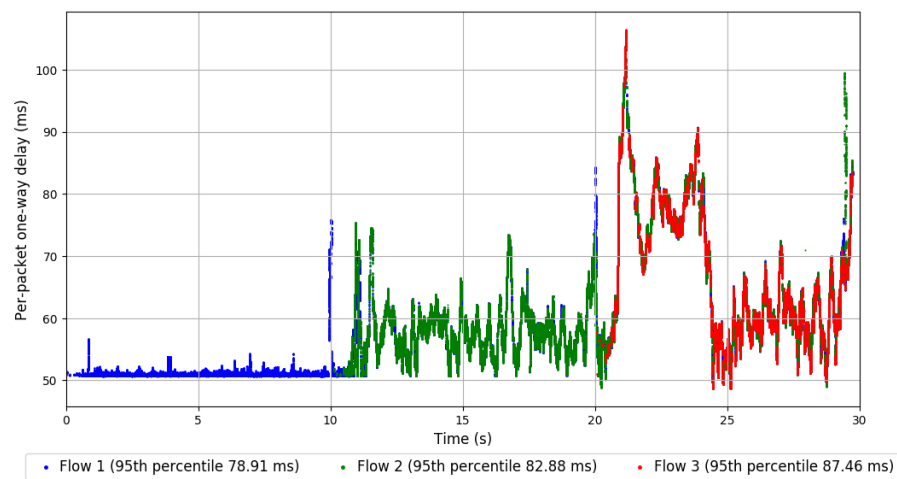
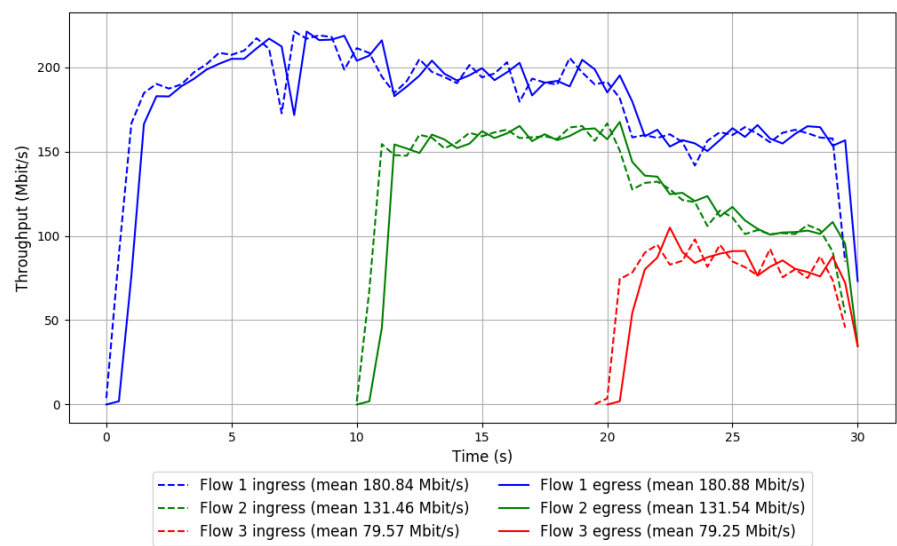


Run 3: Statistics of Indigo

Start at: 2018-07-27 09:03:30
End at: 2018-07-27 09:04:00
Local clock offset: 0.006 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.52 Mbit/s
95th percentile per-packet one-way delay: 81.672 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 78.905 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 82.879 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 79.25 Mbit/s
95th percentile per-packet one-way delay: 87.456 ms
Loss rate: 1.43%

Run 3: Report of Indigo — Data Link

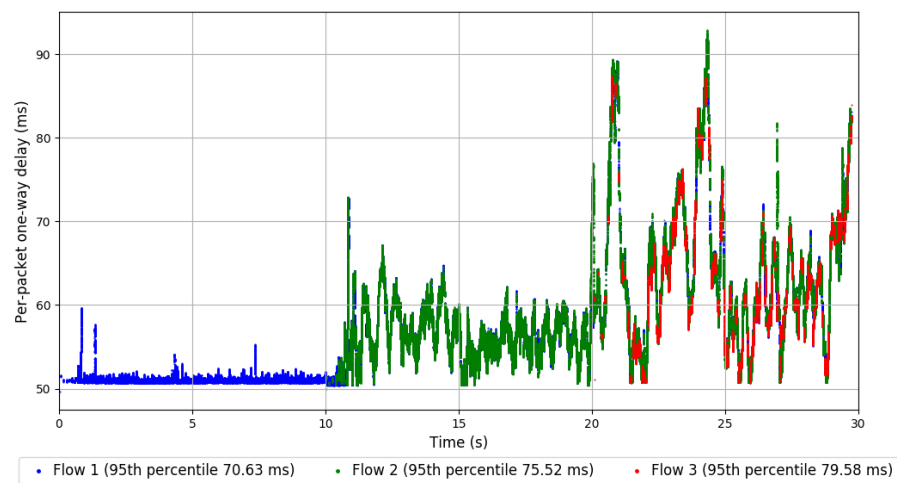
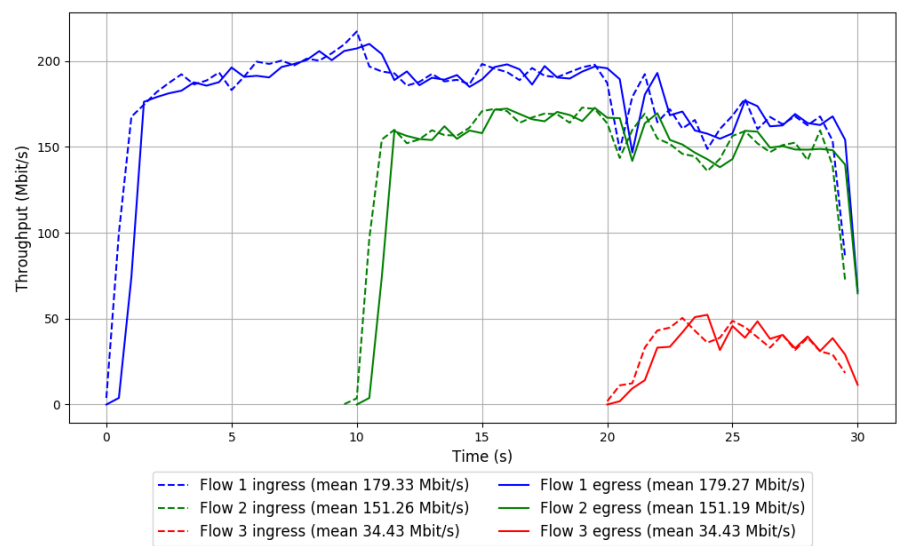


Run 4: Statistics of Indigo

Start at: 2018-07-27 09:27:40
End at: 2018-07-27 09:28:10
Local clock offset: -0.027 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.77 Mbit/s
95th percentile per-packet one-way delay: 73.200 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 179.27 Mbit/s
95th percentile per-packet one-way delay: 70.634 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 151.19 Mbit/s
95th percentile per-packet one-way delay: 75.515 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 34.43 Mbit/s
95th percentile per-packet one-way delay: 79.578 ms
Loss rate: 1.03%

Run 4: Report of Indigo — Data Link

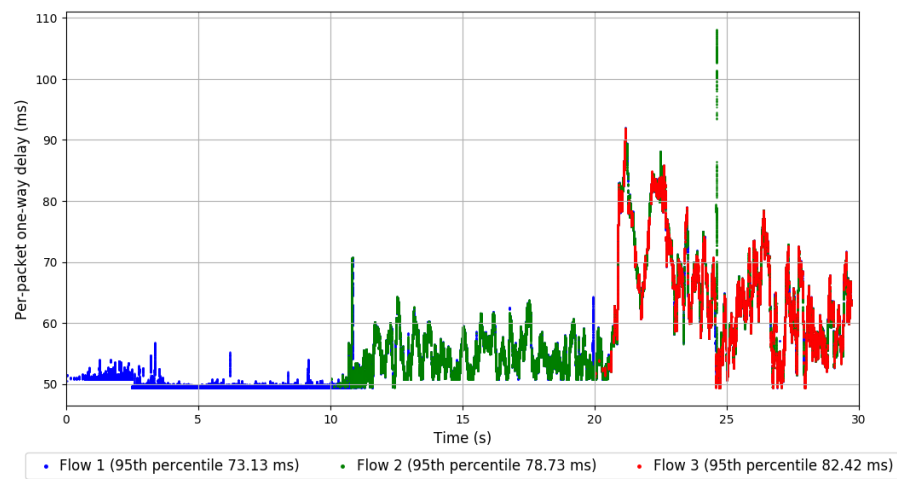
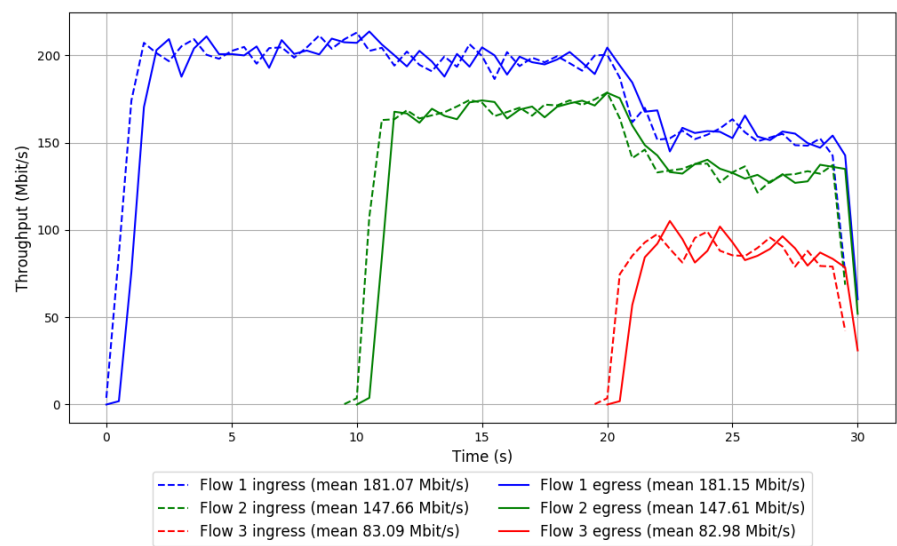


Run 5: Statistics of Indigo

Start at: 2018-07-27 09:51:37
End at: 2018-07-27 09:52:07
Local clock offset: -0.004 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.14 Mbit/s
95th percentile per-packet one-way delay: 77.515 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 181.15 Mbit/s
95th percentile per-packet one-way delay: 73.131 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 147.61 Mbit/s
95th percentile per-packet one-way delay: 78.735 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 82.416 ms
Loss rate: 1.19%

Run 5: Report of Indigo — Data Link

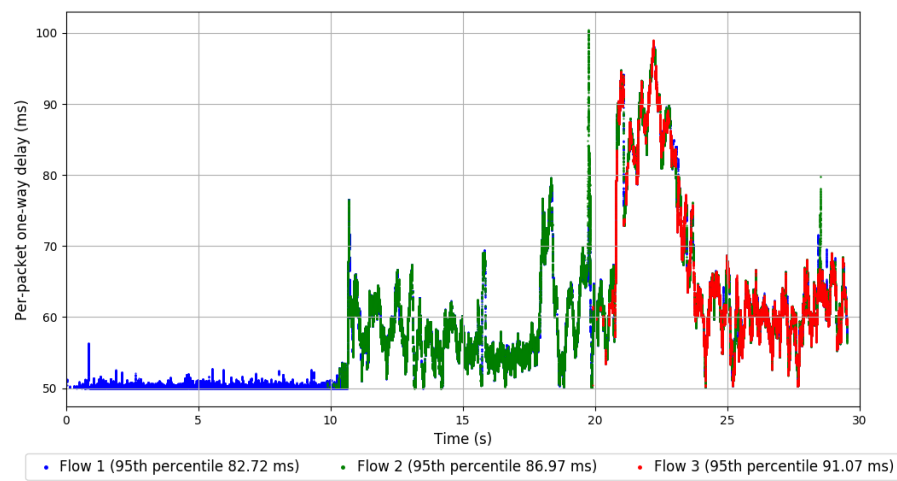
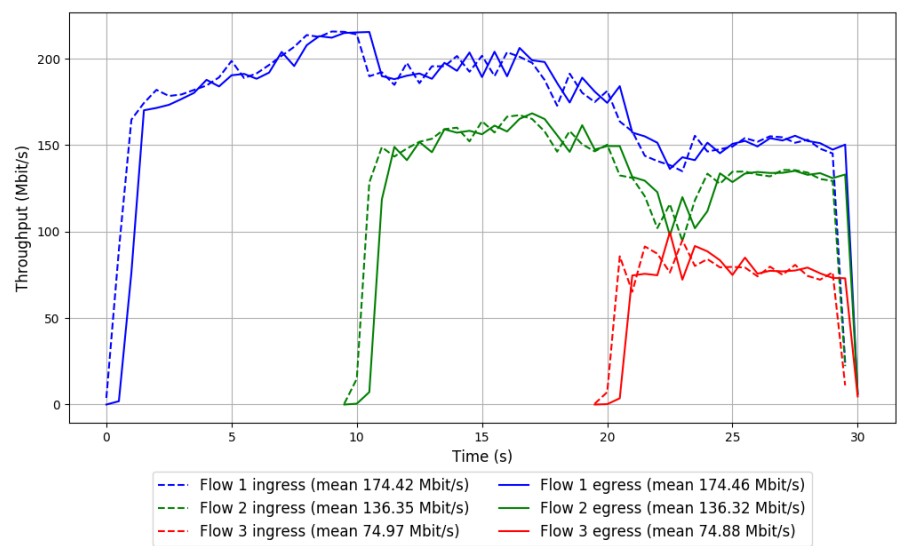


Run 6: Statistics of Indigo

Start at: 2018-07-27 10:15:45
End at: 2018-07-27 10:16:15
Local clock offset: -0.416 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.75 Mbit/s
95th percentile per-packet one-way delay: 86.574 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 174.46 Mbit/s
95th percentile per-packet one-way delay: 82.725 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 136.32 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 91.073 ms
Loss rate: 1.17%

Run 6: Report of Indigo — Data Link

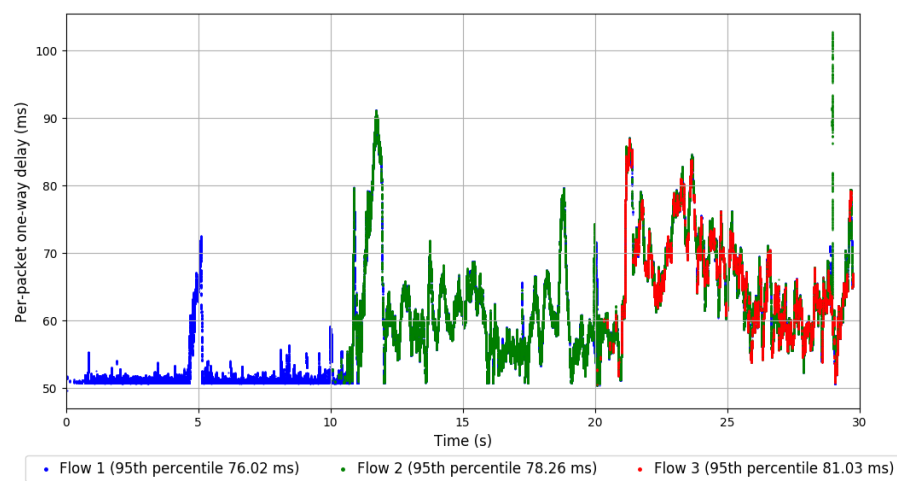
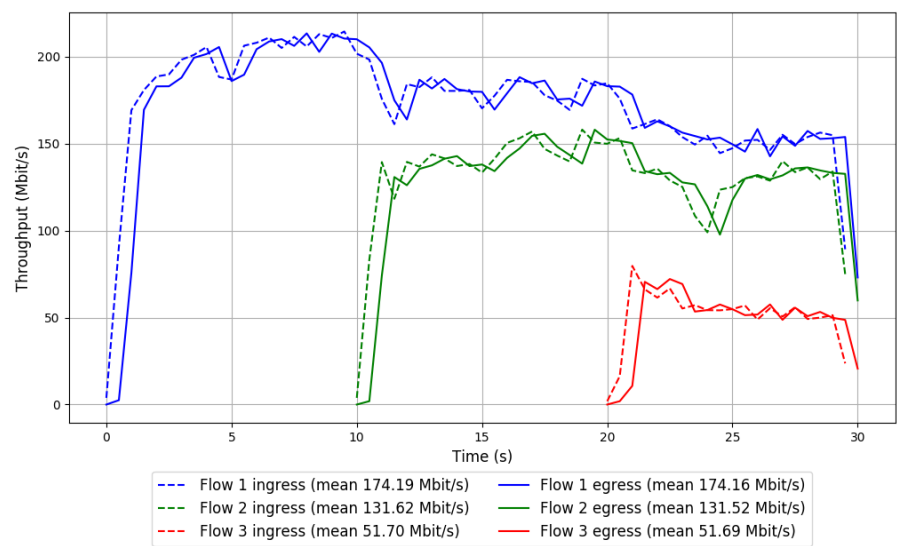


Run 7: Statistics of Indigo

Start at: 2018-07-27 10:39:51
End at: 2018-07-27 10:40:21
Local clock offset: 0.025 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.16 Mbit/s
95th percentile per-packet one-way delay: 77.286 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 174.16 Mbit/s
95th percentile per-packet one-way delay: 76.022 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 131.52 Mbit/s
95th percentile per-packet one-way delay: 78.258 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 81.030 ms
Loss rate: 1.05%

Run 7: Report of Indigo — Data Link

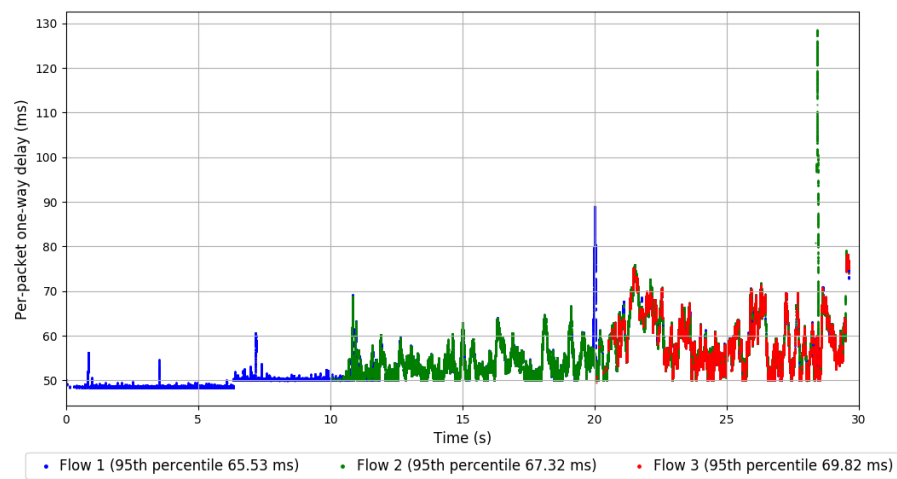
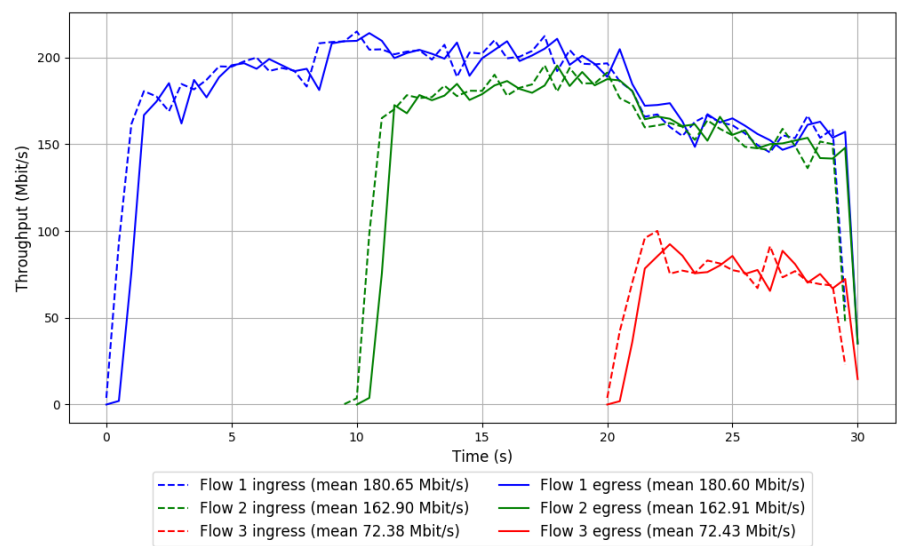


Run 8: Statistics of Indigo

Start at: 2018-07-27 11:03:54
End at: 2018-07-27 11:04:24
Local clock offset: -0.408 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.95 Mbit/s
95th percentile per-packet one-way delay: 66.849 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 180.60 Mbit/s
95th percentile per-packet one-way delay: 65.535 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 162.91 Mbit/s
95th percentile per-packet one-way delay: 67.324 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 69.821 ms
Loss rate: 0.98%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-27 11:28:01

End at: 2018-07-27 11:28:31

Local clock offset: 0.241 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-27 14:05:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.35 Mbit/s

95th percentile per-packet one-way delay: 85.396 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 174.29 Mbit/s

95th percentile per-packet one-way delay: 77.365 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 136.12 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.44%

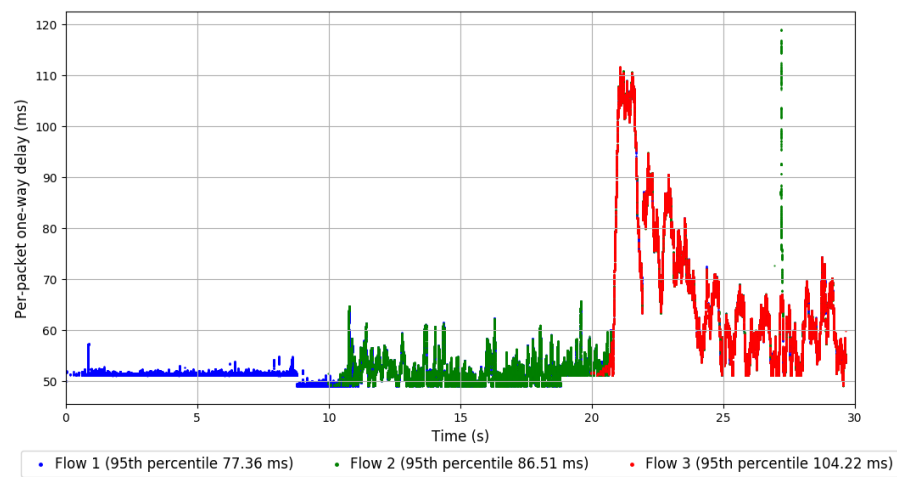
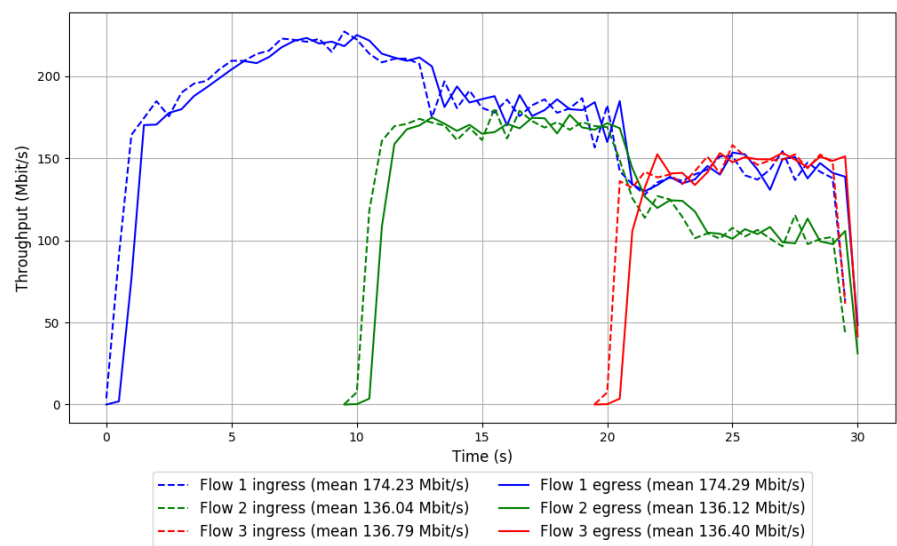
-- Flow 3:

Average throughput: 136.40 Mbit/s

95th percentile per-packet one-way delay: 104.218 ms

Loss rate: 1.29%

Run 9: Report of Indigo — Data Link

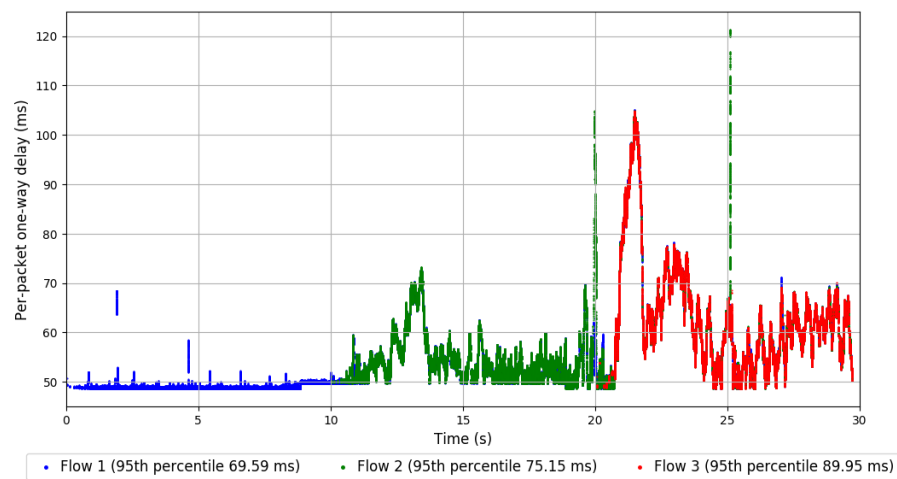
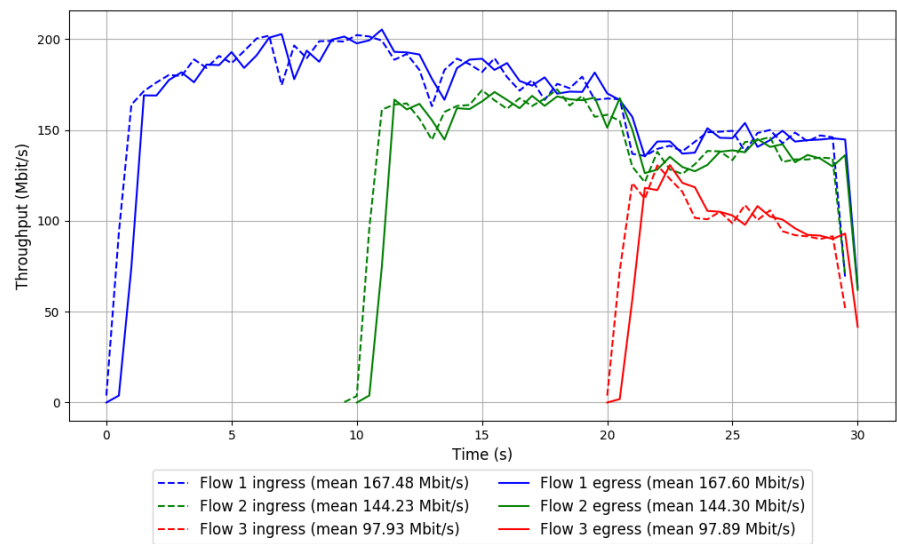


Run 10: Statistics of Indigo

Start at: 2018-07-27 11:52:21
End at: 2018-07-27 11:52:51
Local clock offset: -0.136 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.20 Mbit/s
95th percentile per-packet one-way delay: 74.364 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 167.60 Mbit/s
95th percentile per-packet one-way delay: 69.594 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 144.30 Mbit/s
95th percentile per-packet one-way delay: 75.150 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 97.89 Mbit/s
95th percentile per-packet one-way delay: 89.955 ms
Loss rate: 1.09%

Run 10: Report of Indigo — Data Link

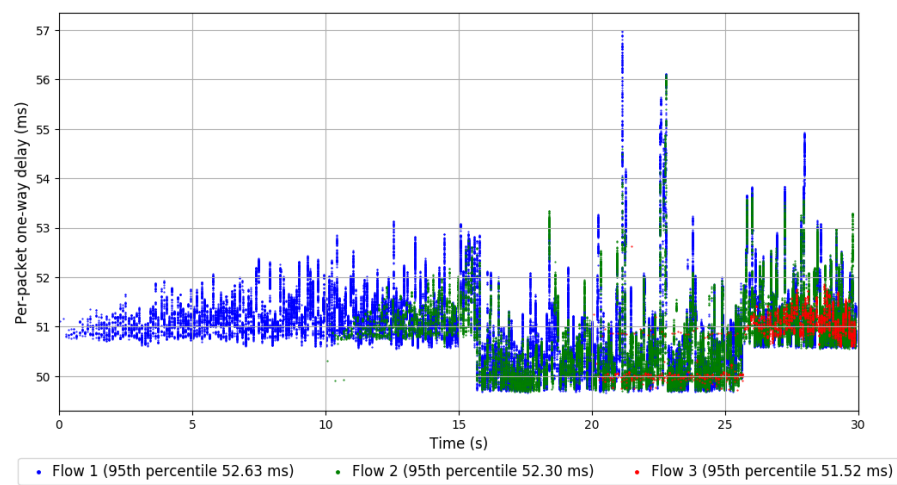
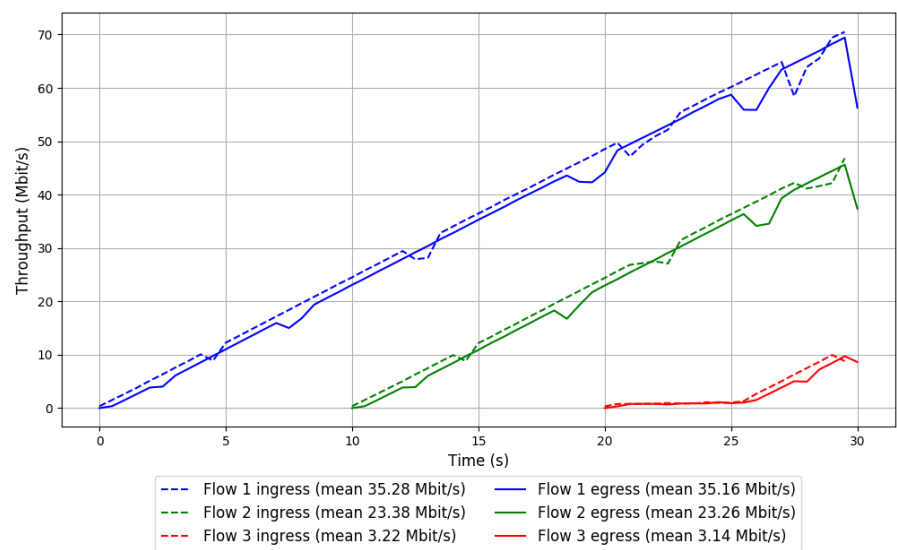


Run 1: Statistics of LEDBAT

Start at: 2018-07-27 08:19:44
End at: 2018-07-27 08:20:14
Local clock offset: -0.15 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-27 14:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 52.522 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 52.630 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 52.296 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 51.515 ms
Loss rate: 3.58%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-27 08:43:55

End at: 2018-07-27 08:44:25

Local clock offset: 0.322 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-27 14:05:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 53.066 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 52.772 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 53.293 ms

Loss rate: 1.02%

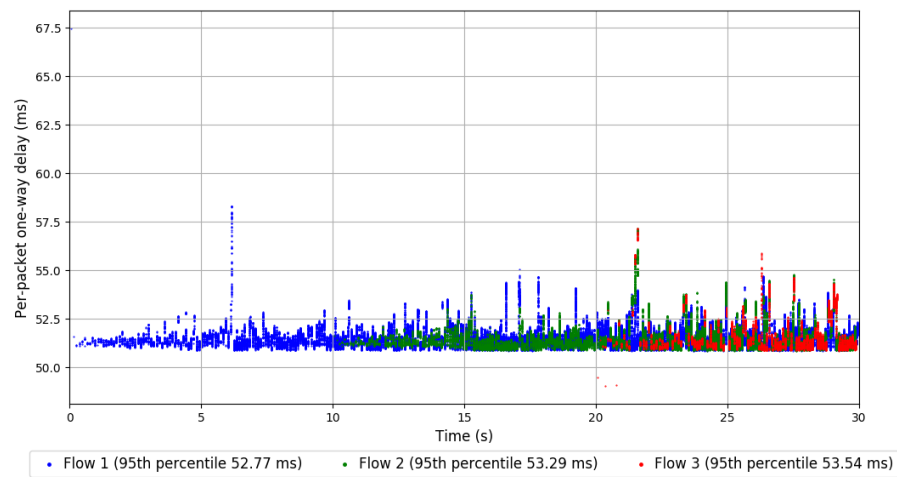
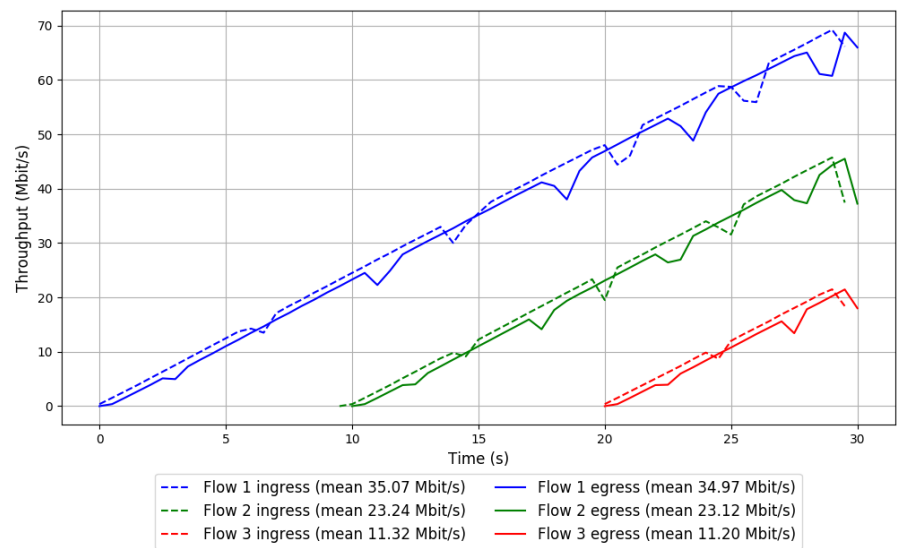
-- Flow 3:

Average throughput: 11.20 Mbit/s

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

Loss rate: 2.06%

Run 2: Report of LEDBAT — Data Link

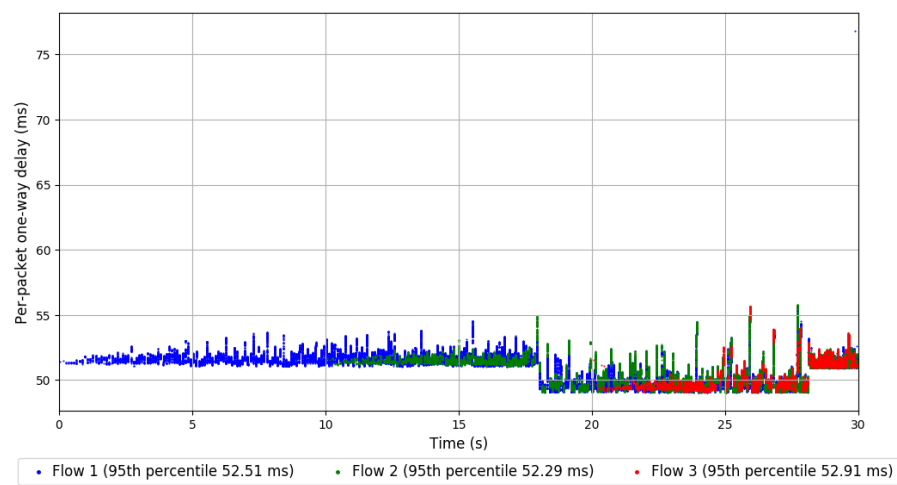
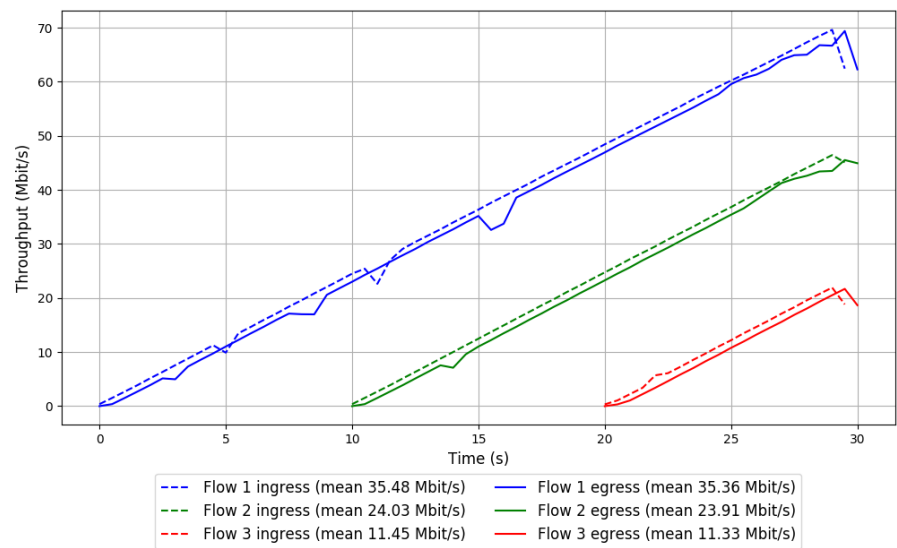


Run 3: Statistics of LEDBAT

Start at: 2018-07-27 09:08:02
End at: 2018-07-27 09:08:32
Local clock offset: 0.37 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 52.485 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 52.514 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 52.289 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 11.33 Mbit/s
95th percentile per-packet one-way delay: 52.915 ms
Loss rate: 2.04%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-27 09:32:09

End at: 2018-07-27 09:32:39

Local clock offset: -0.417 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-27 14:05:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 52.860 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 52.551 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 53.640 ms

Loss rate: 1.02%

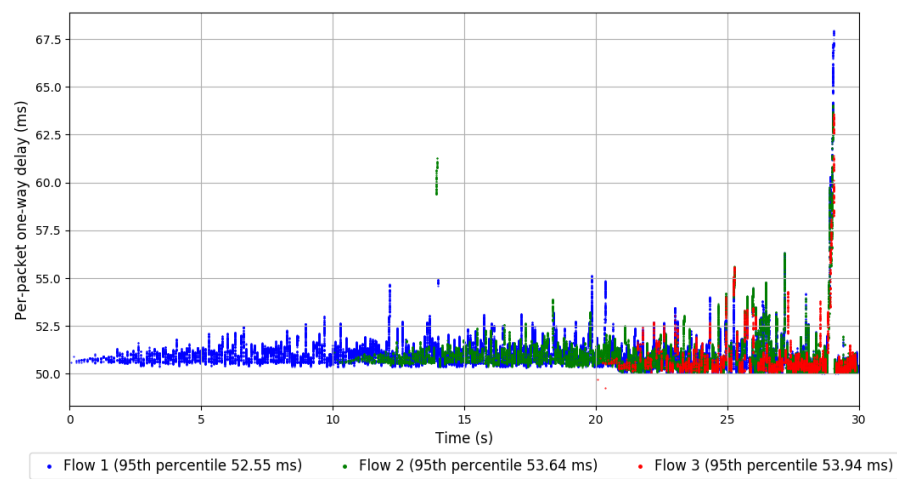
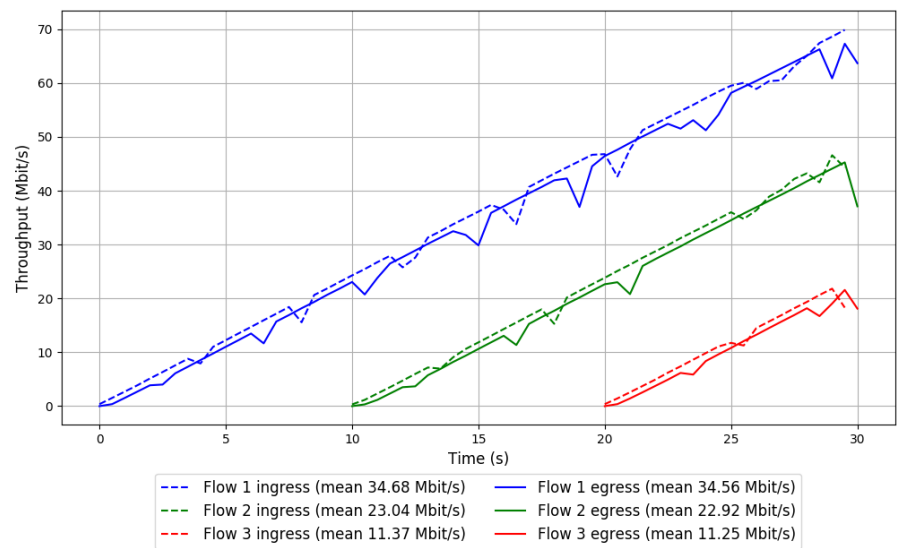
-- Flow 3:

Average throughput: 11.25 Mbit/s

95th percentile per-packet one-way delay: 53.941 ms

Loss rate: 2.07%

Run 4: Report of LEDBAT — Data Link

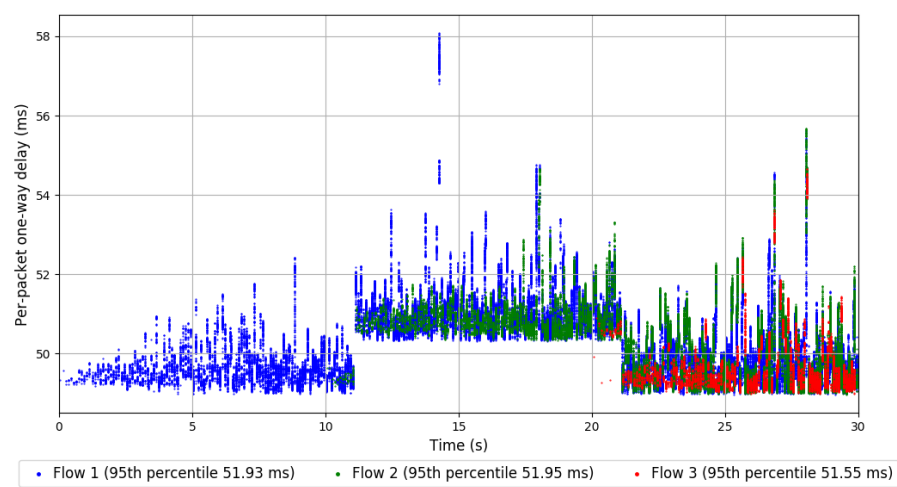
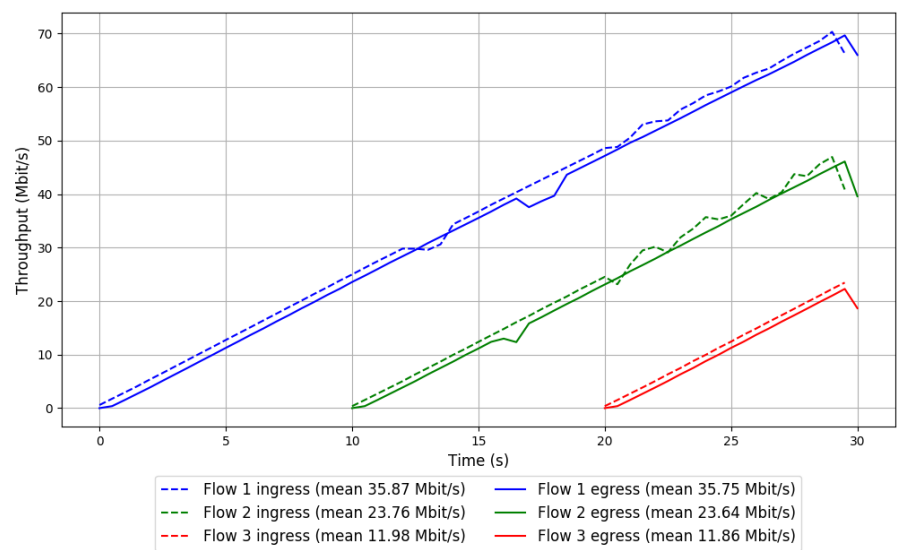


Run 5: Statistics of LEDBAT

Start at: 2018-07-27 09:56:09
End at: 2018-07-27 09:56:39
Local clock offset: -0.449 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 51.927 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 51.932 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 51.949 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 51.545 ms
Loss rate: 2.02%

Run 5: Report of LEDBAT — Data Link

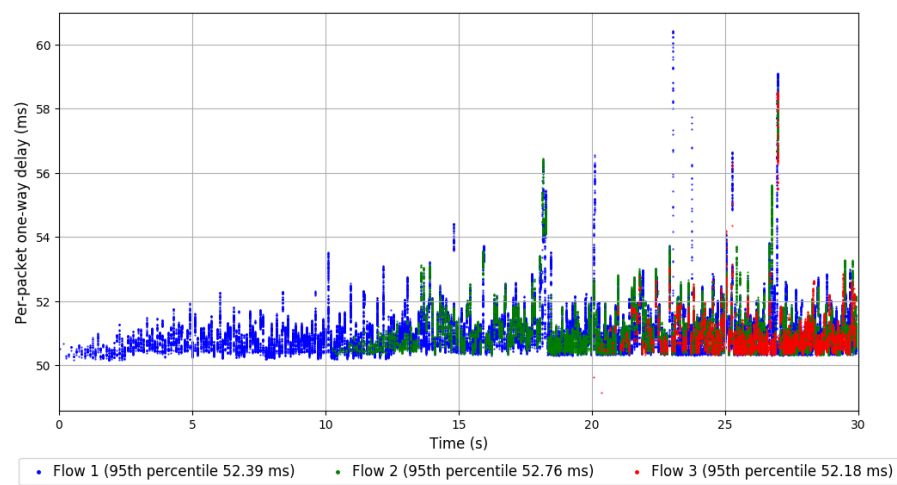
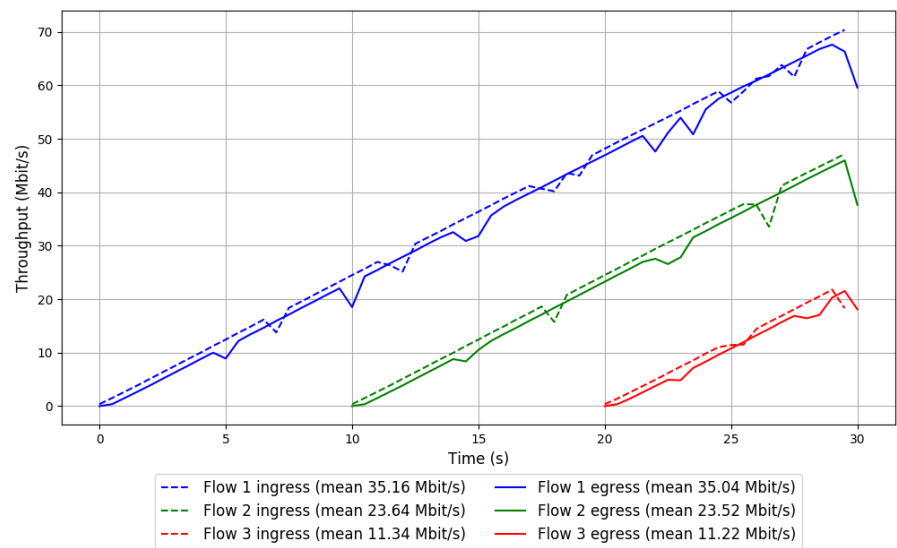


Run 6: Statistics of LEDBAT

Start at: 2018-07-27 10:20:18
End at: 2018-07-27 10:20:48
Local clock offset: -0.39 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 52.490 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 52.387 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 52.757 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 52.184 ms
Loss rate: 2.07%

Run 6: Report of LEDBAT — Data Link

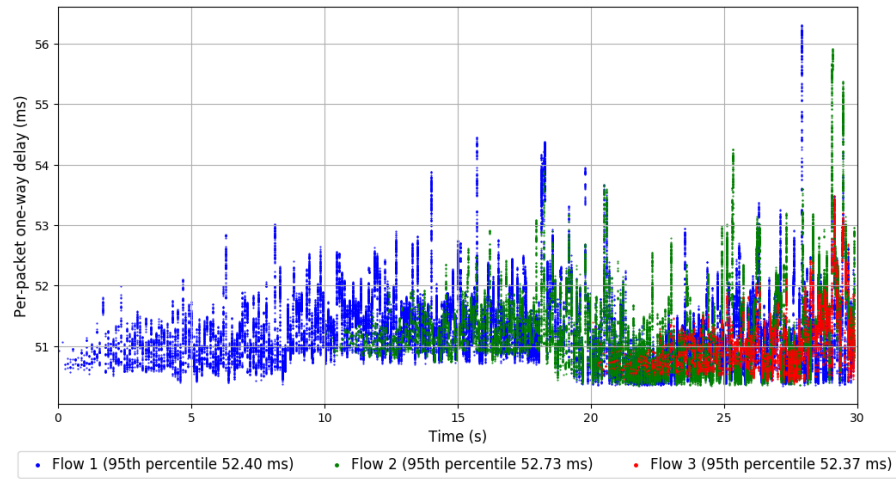
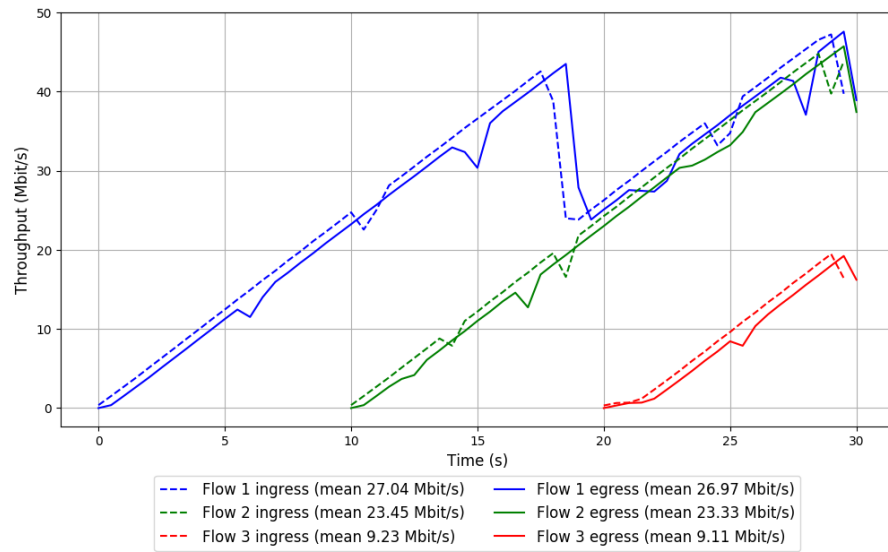


Run 7: Statistics of LEDBAT

Start at: 2018-07-27 10:44:22
End at: 2018-07-27 10:44:52
Local clock offset: -0.018 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 52.515 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 52.401 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 52.732 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 52.367 ms
Loss rate: 2.29%

Run 7: Report of LEDBAT — Data Link

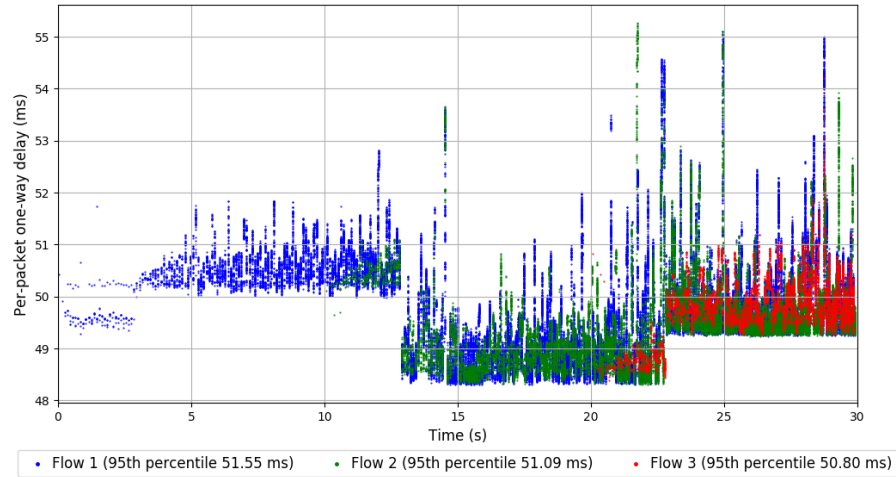
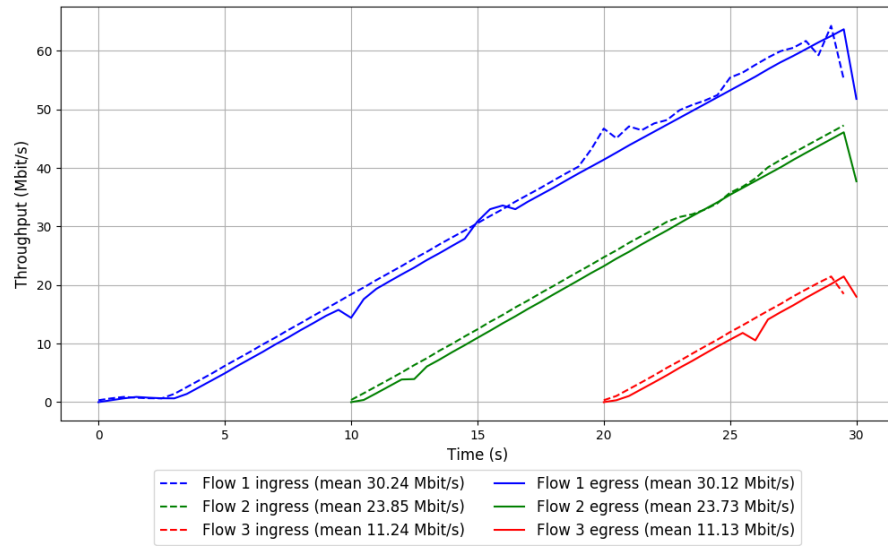


Run 8: Statistics of LEDBAT

Start at: 2018-07-27 11:08:28
End at: 2018-07-27 11:08:58
Local clock offset: -0.439 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 51.545 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 51.089 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 50.795 ms
Loss rate: 2.08%

Run 8: Report of LEDBAT — Data Link

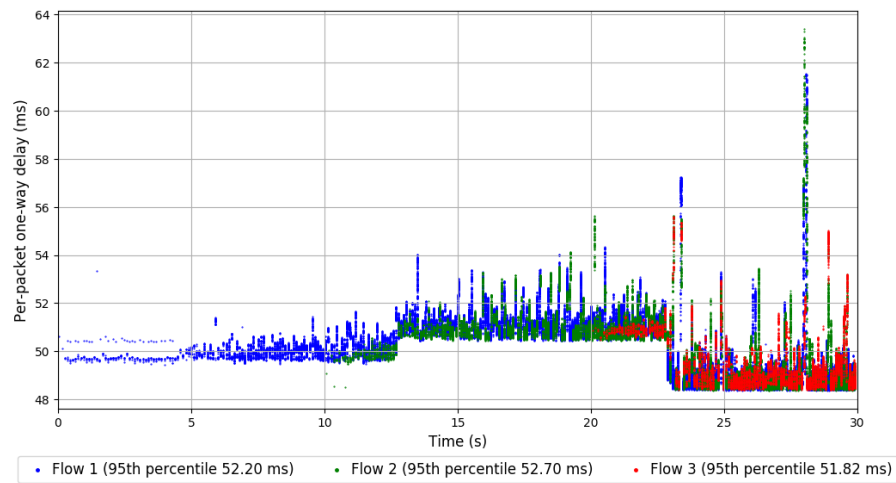
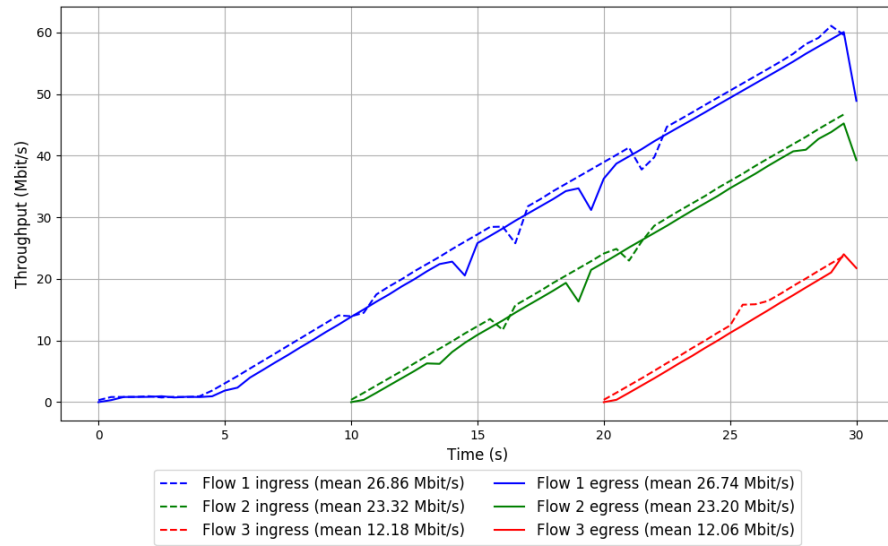


Run 9: Statistics of LEDBAT

Start at: 2018-07-27 11:32:37
End at: 2018-07-27 11:33:08
Local clock offset: -0.47 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 52.329 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 52.198 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 52.697 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 51.819 ms
Loss rate: 2.00%

Run 9: Report of LEDBAT — Data Link

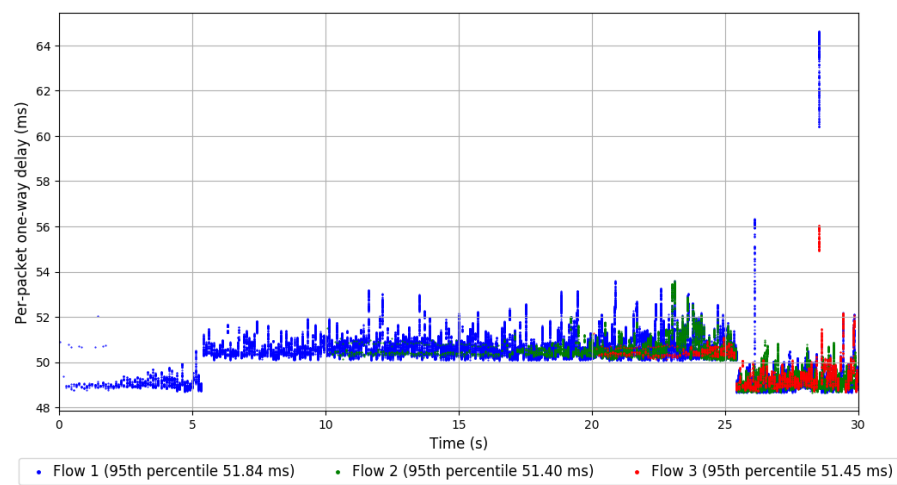
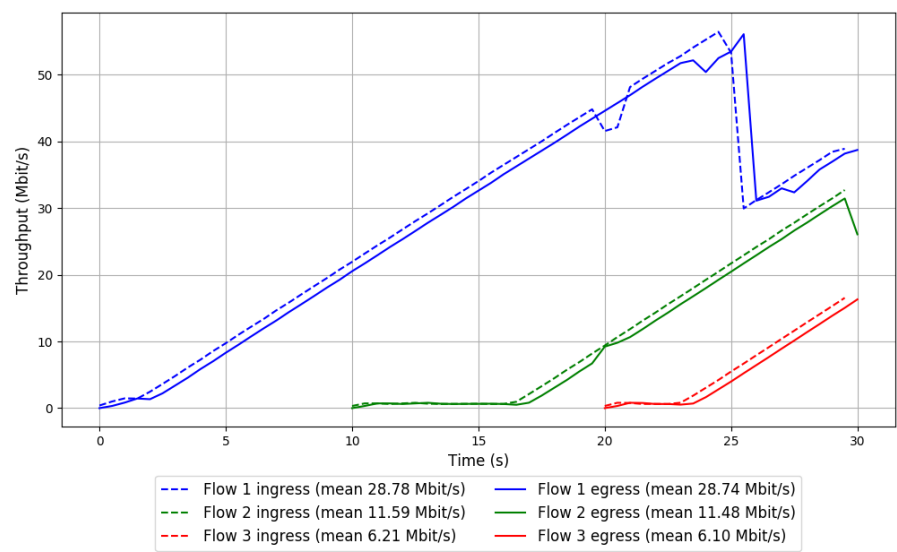


Run 10: Statistics of LEDBAT

Start at: 2018-07-27 11:56:55
End at: 2018-07-27 11:57:25
Local clock offset: -0.141 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-27 14:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 51.746 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 51.836 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 51.404 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 51.448 ms
Loss rate: 2.75%

Run 10: Report of LEDBAT — Data Link

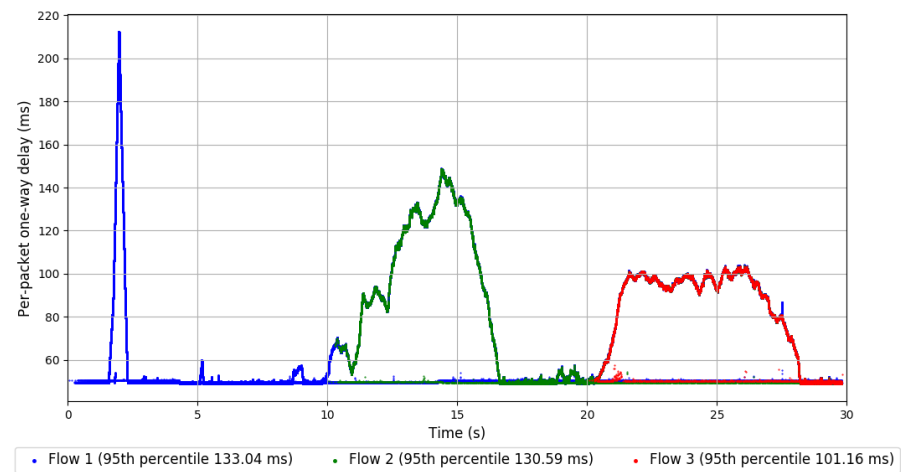
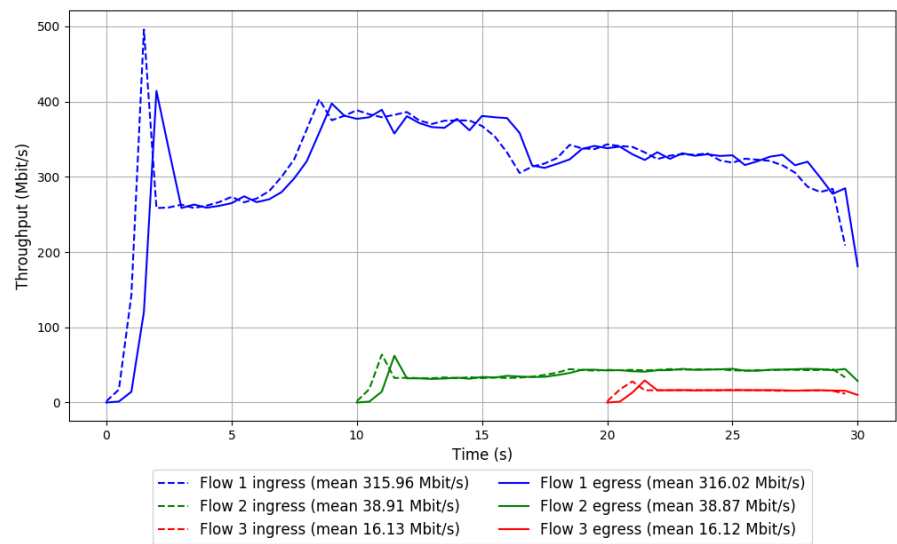


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-27 08:09:26
End at: 2018-07-27 08:09:56
Local clock offset: -0.506 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-07-27 14:06:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.04 Mbit/s
95th percentile per-packet one-way delay: 132.788 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 316.02 Mbit/s
95th percentile per-packet one-way delay: 133.038 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 130.588 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 101.156 ms
Loss rate: 1.01%
```

Run 1: Report of PCC-Allegro — Data Link

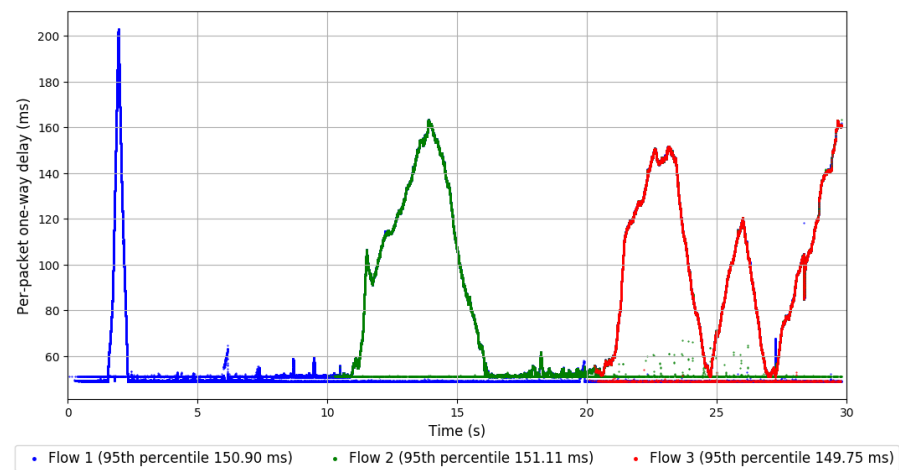
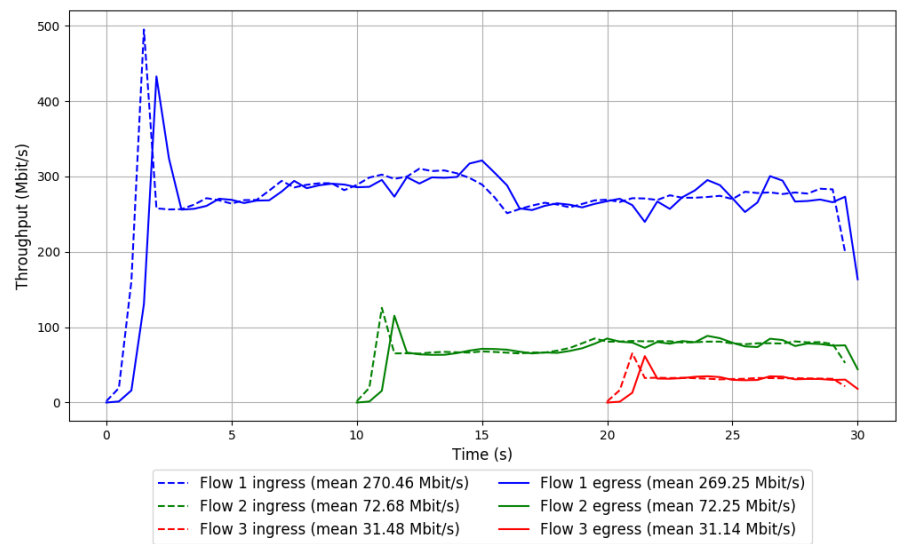


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-27 08:33:32
End at: 2018-07-27 08:34:02
Local clock offset: 0.336 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-27 14:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.36 Mbit/s
95th percentile per-packet one-way delay: 150.850 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 269.25 Mbit/s
95th percentile per-packet one-way delay: 150.895 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 72.25 Mbit/s
95th percentile per-packet one-way delay: 151.107 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 149.753 ms
Loss rate: 2.09%

Run 2: Report of PCC-Allegro — Data Link

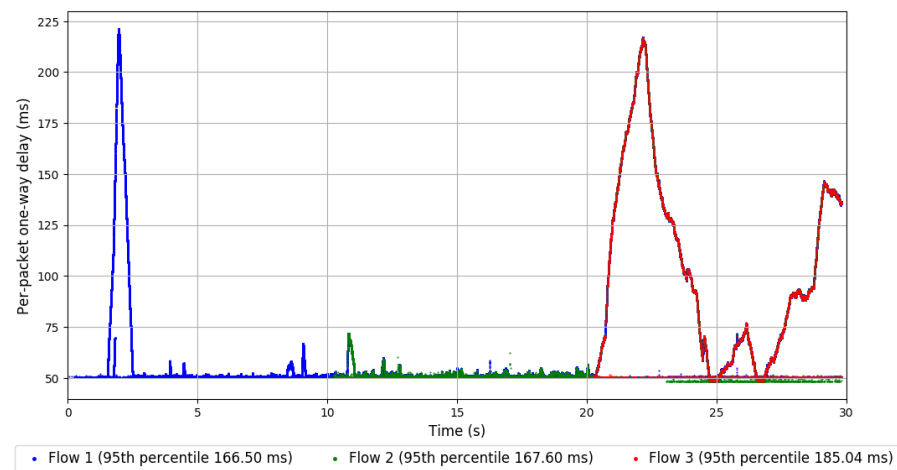
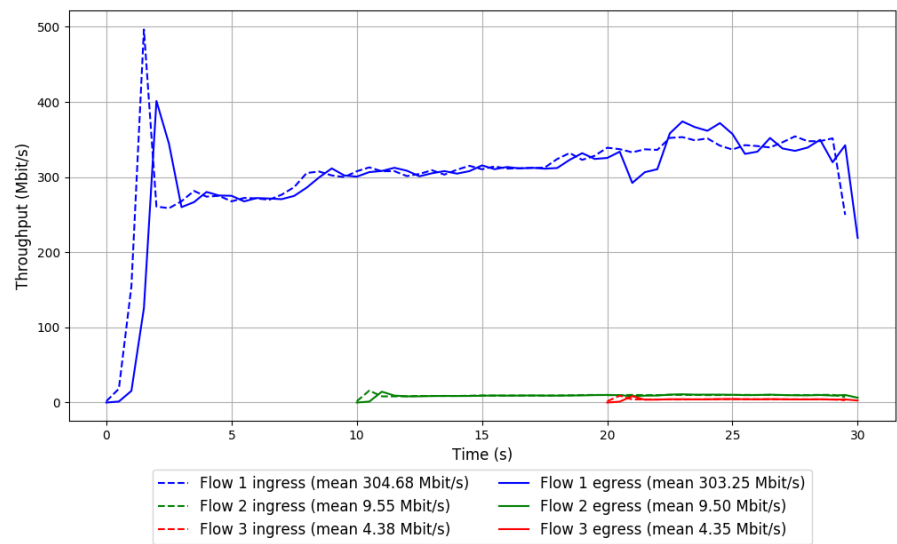


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-27 08:57:37
End at: 2018-07-27 08:58:07
Local clock offset: -0.319 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-27 14:06:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.98 Mbit/s
95th percentile per-packet one-way delay: 166.782 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 303.25 Mbit/s
95th percentile per-packet one-way delay: 166.504 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 167.603 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 185.043 ms
Loss rate: 1.82%

Run 3: Report of PCC-Allegro — Data Link

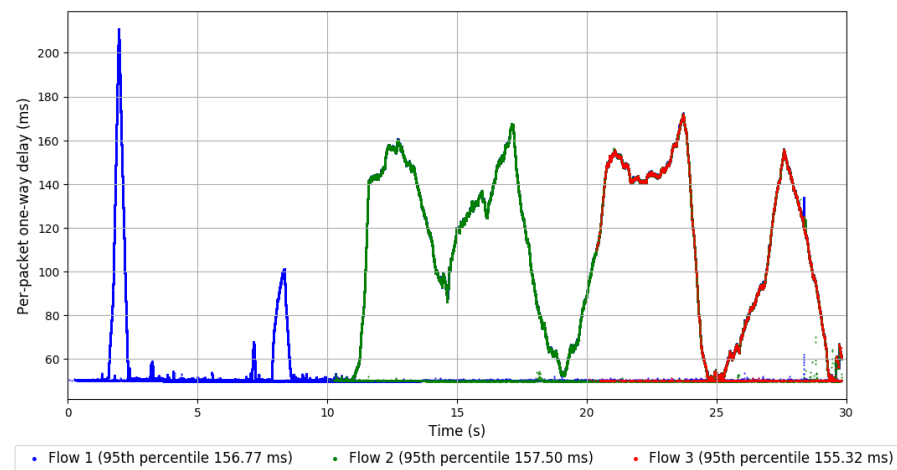
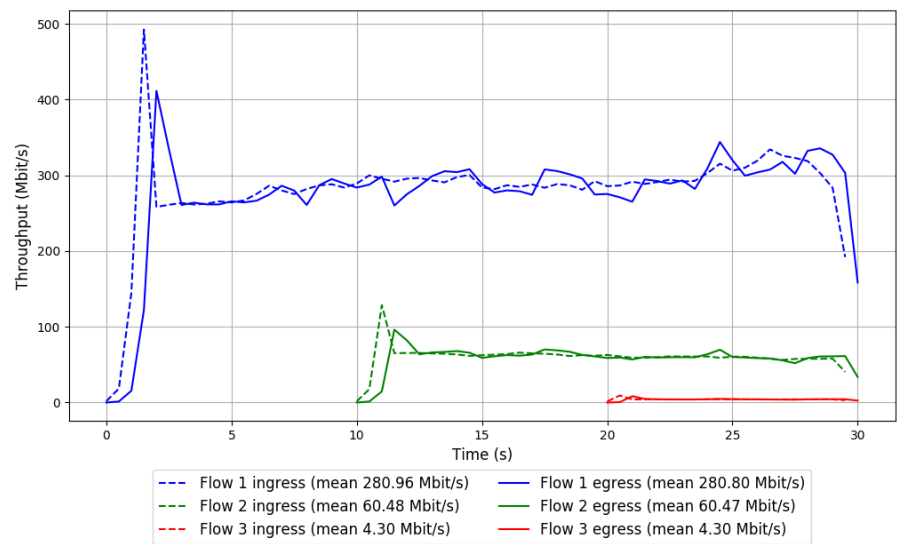


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-27 09:21:46
End at: 2018-07-27 09:22:16
Local clock offset: -0.456 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-27 14:06:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.30 Mbit/s
95th percentile per-packet one-way delay: 156.872 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 280.80 Mbit/s
95th percentile per-packet one-way delay: 156.767 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 60.47 Mbit/s
95th percentile per-packet one-way delay: 157.498 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 155.325 ms
Loss rate: 1.11%

Run 4: Report of PCC-Allegro — Data Link

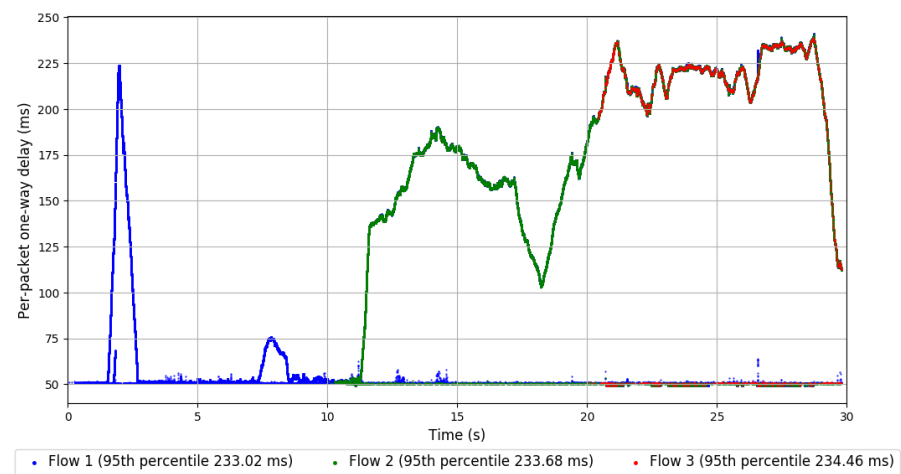
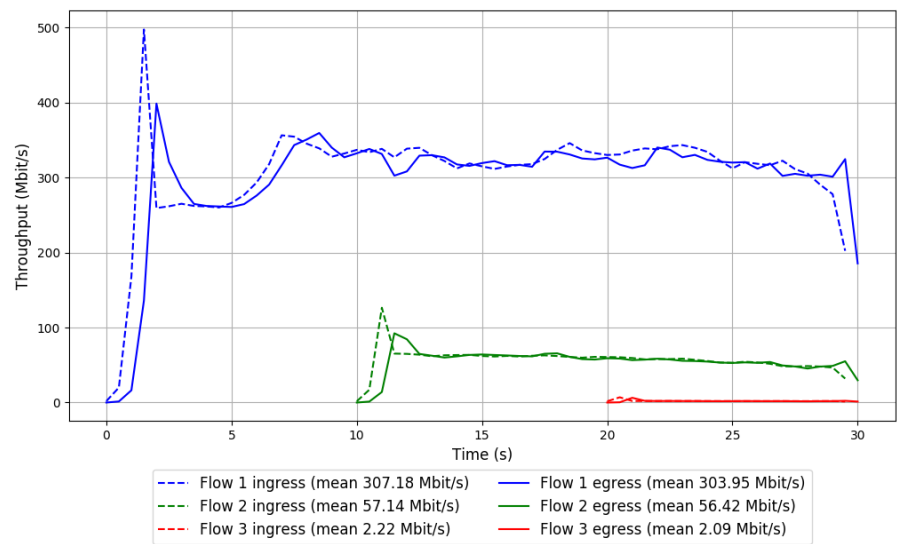


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-27 09:45:39
End at: 2018-07-27 09:46:09
Local clock offset: -0.069 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-27 14:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.08 Mbit/s
95th percentile per-packet one-way delay: 233.125 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 303.95 Mbit/s
95th percentile per-packet one-way delay: 233.019 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 233.683 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 234.461 ms
Loss rate: 6.84%

Run 5: Report of PCC-Allegro — Data Link

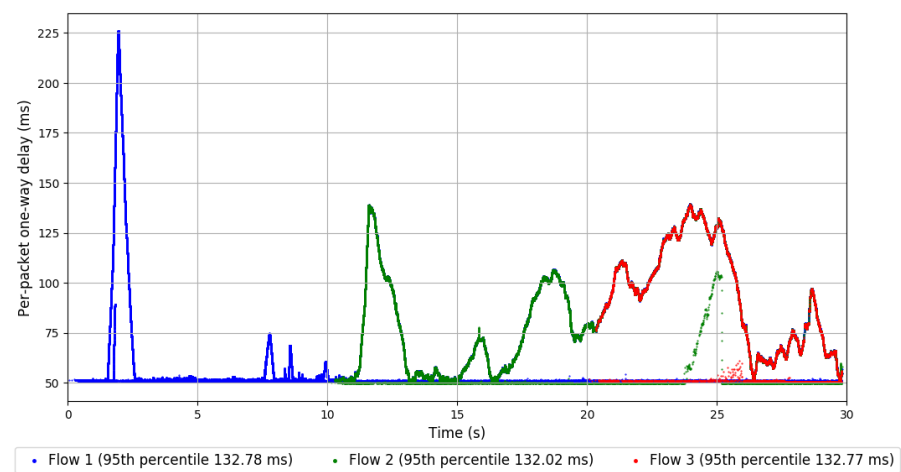
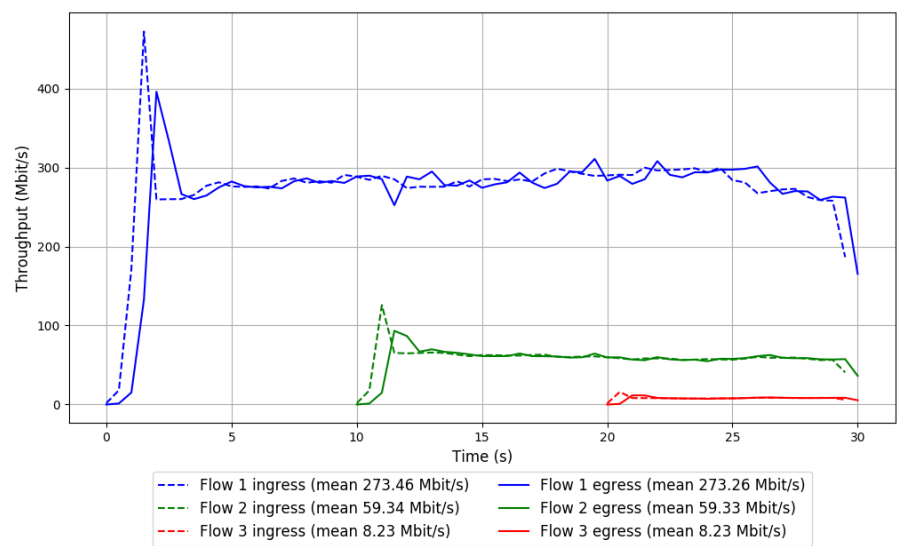


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-27 10:09:52
End at: 2018-07-27 10:10:22
Local clock offset: 0.316 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 14:08:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.32 Mbit/s
95th percentile per-packet one-way delay: 132.693 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 273.26 Mbit/s
95th percentile per-packet one-way delay: 132.775 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 132.022 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 132.774 ms
Loss rate: 1.13%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-27 10:34:00

End at: 2018-07-27 10:34:30

Local clock offset: -0.381 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-27 14:11:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.65 Mbit/s

95th percentile per-packet one-way delay: 92.615 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 290.75 Mbit/s

95th percentile per-packet one-way delay: 92.978 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 36.72 Mbit/s

95th percentile per-packet one-way delay: 89.707 ms

Loss rate: 0.64%

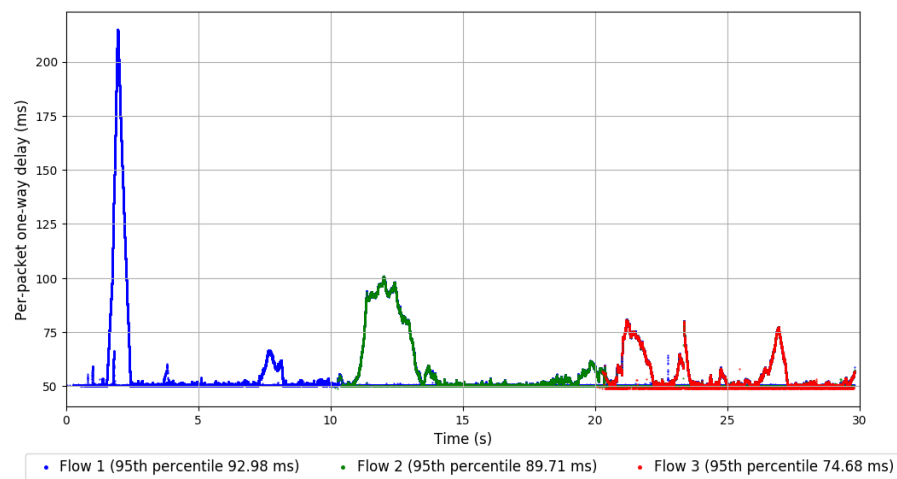
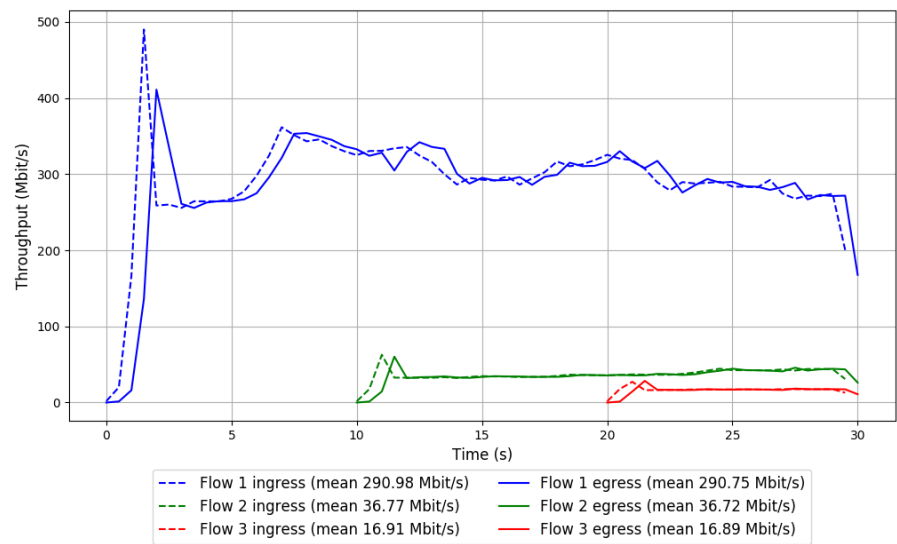
-- Flow 3:

Average throughput: 16.89 Mbit/s

95th percentile per-packet one-way delay: 74.677 ms

Loss rate: 1.18%

Run 7: Report of PCC-Allegro — Data Link

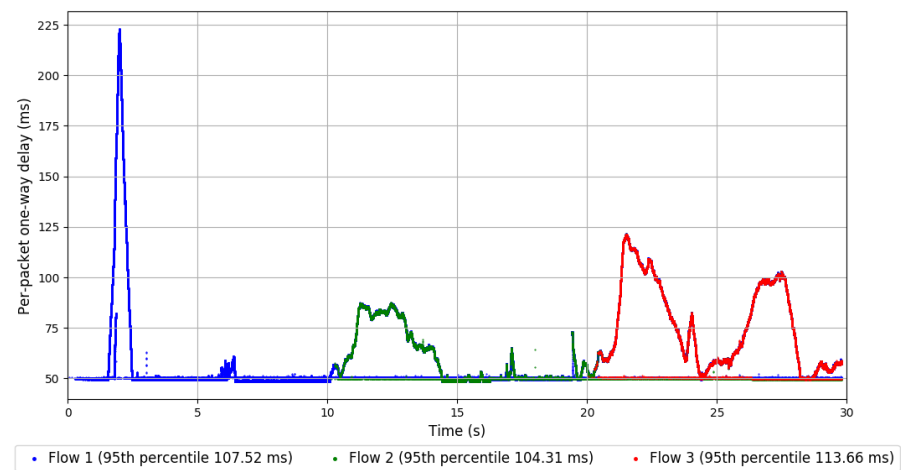
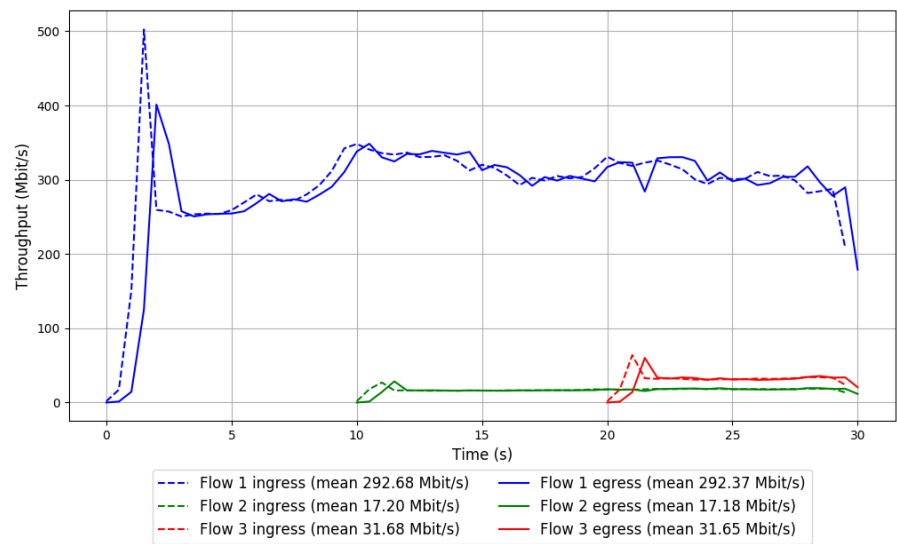


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-27 10:58:04
End at: 2018-07-27 10:58:34
Local clock offset: -0.433 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-27 14:11:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.14 Mbit/s
95th percentile per-packet one-way delay: 107.754 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 292.37 Mbit/s
95th percentile per-packet one-way delay: 107.515 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 104.313 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 113.659 ms
Loss rate: 1.14%

Run 8: Report of PCC-Allegro — Data Link

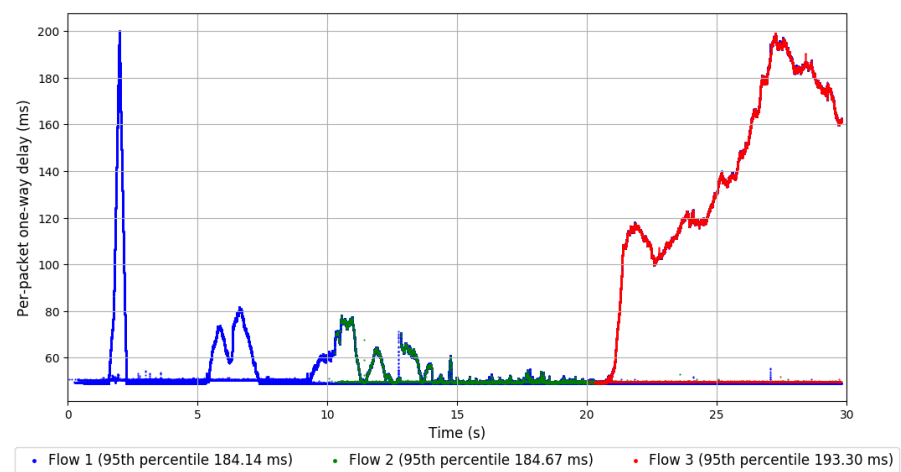
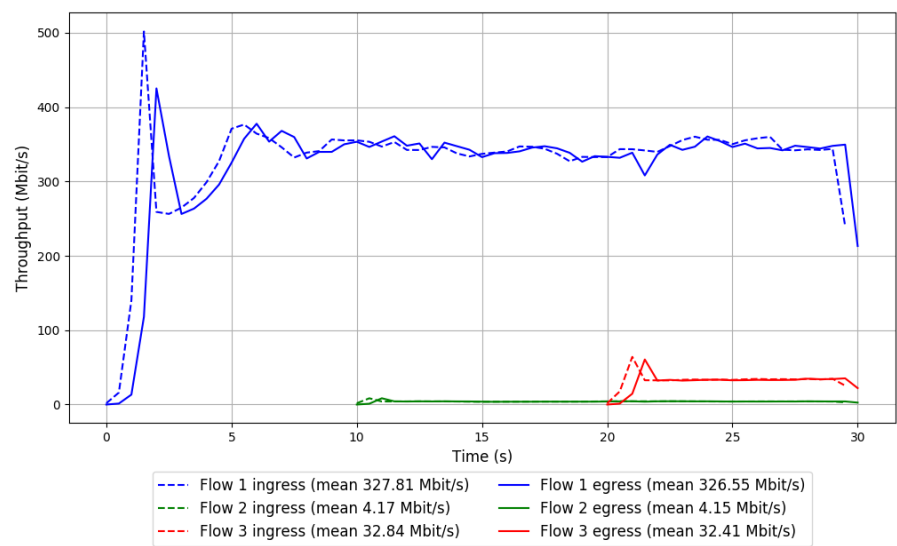


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-27 11:22:10
End at: 2018-07-27 11:22:40
Local clock offset: 0.242 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-27 14:12:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.90 Mbit/s
95th percentile per-packet one-way delay: 184.398 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 326.55 Mbit/s
95th percentile per-packet one-way delay: 184.138 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 184.668 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 32.41 Mbit/s
95th percentile per-packet one-way delay: 193.297 ms
Loss rate: 2.31%

Run 9: Report of PCC-Allegro — Data Link

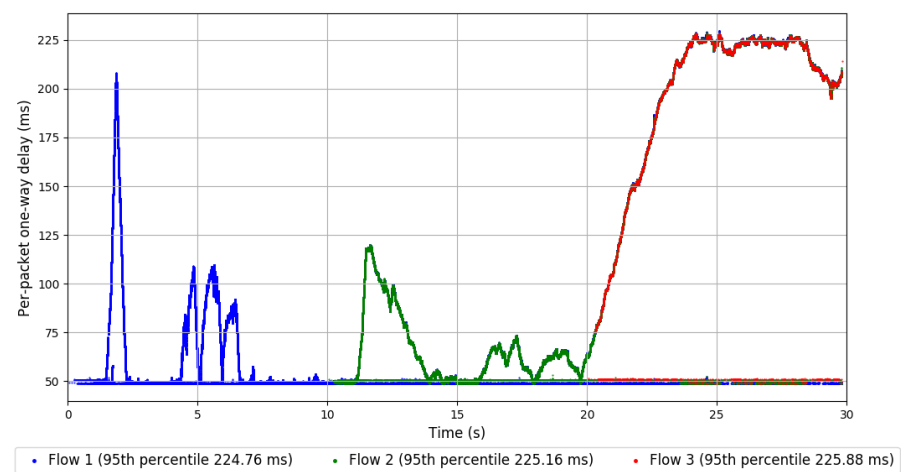
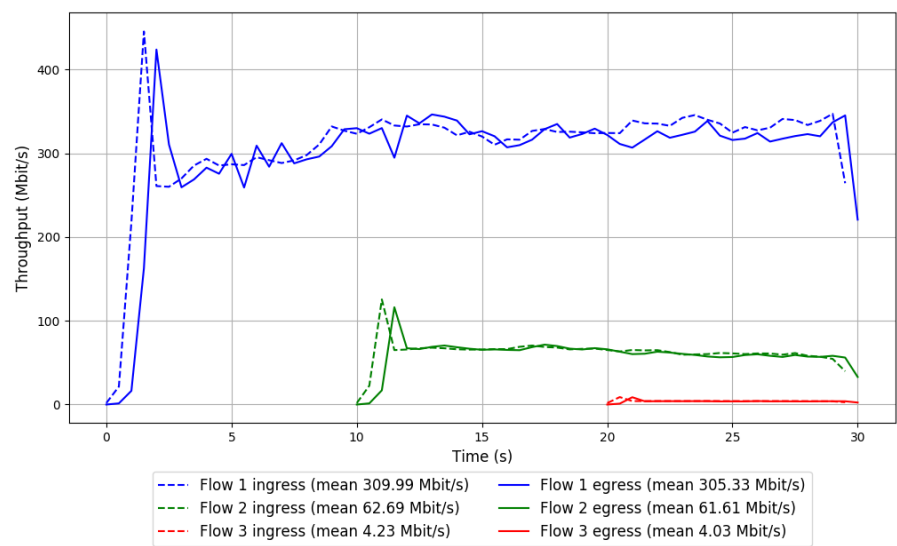


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-27 11:46:29
End at: 2018-07-27 11:46:59
Local clock offset: -0.154 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-27 14:12:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.49 Mbit/s
95th percentile per-packet one-way delay: 224.832 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 305.33 Mbit/s
95th percentile per-packet one-way delay: 224.765 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 225.163 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 225.878 ms
Loss rate: 5.80%

Run 10: Report of PCC-Allegro — Data Link

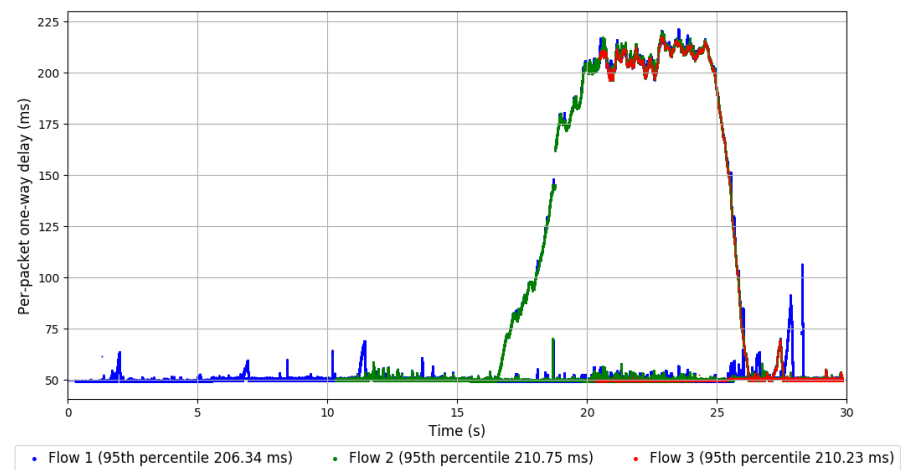
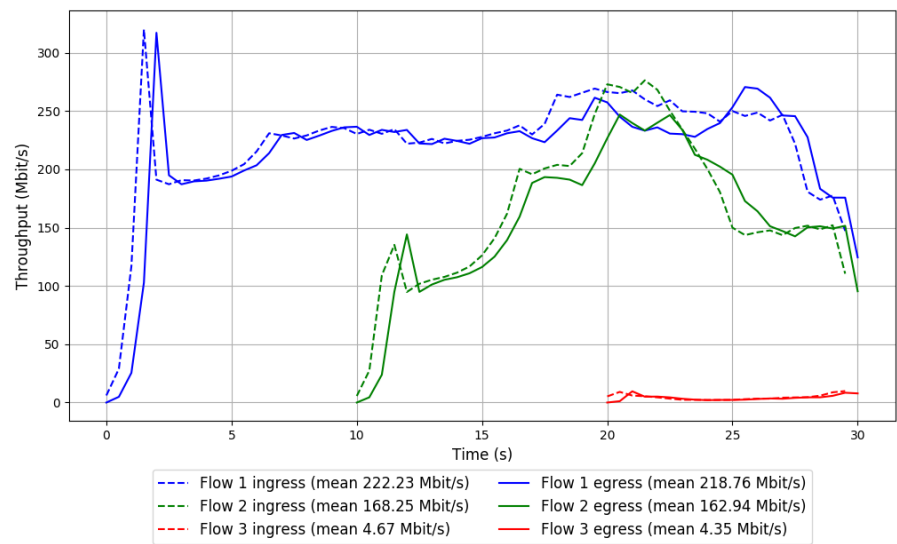


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-27 08:12:05
End at: 2018-07-27 08:12:35
Local clock offset: -0.109 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-07-27 14:17:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 328.35 Mbit/s
95th percentile per-packet one-way delay: 208.907 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 218.76 Mbit/s
95th percentile per-packet one-way delay: 206.337 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 162.94 Mbit/s
95th percentile per-packet one-way delay: 210.750 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 210.231 ms
Loss rate: 7.85%
```


Run 1: Report of PCC-Expr — Data Link

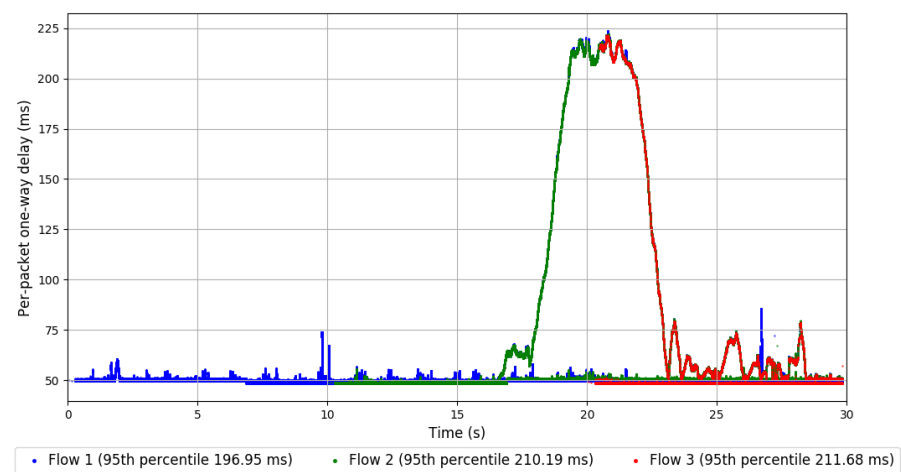
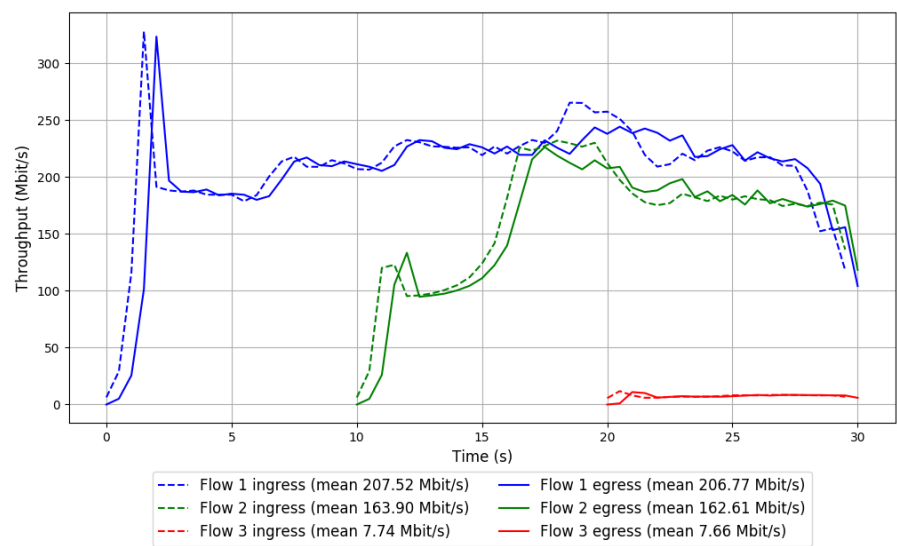


Run 2: Statistics of PCC-Expr

Start at: 2018-07-27 08:36:13
End at: 2018-07-27 08:36:43
Local clock offset: -0.04 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-27 14:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.21 Mbit/s
95th percentile per-packet one-way delay: 207.403 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 206.77 Mbit/s
95th percentile per-packet one-way delay: 196.954 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 162.61 Mbit/s
95th percentile per-packet one-way delay: 210.187 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 211.679 ms
Loss rate: 1.93%

Run 2: Report of PCC-Expr — Data Link

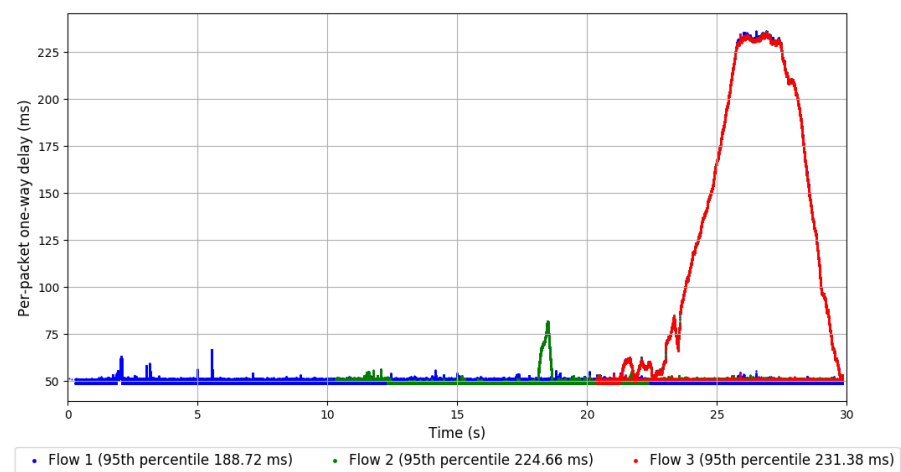
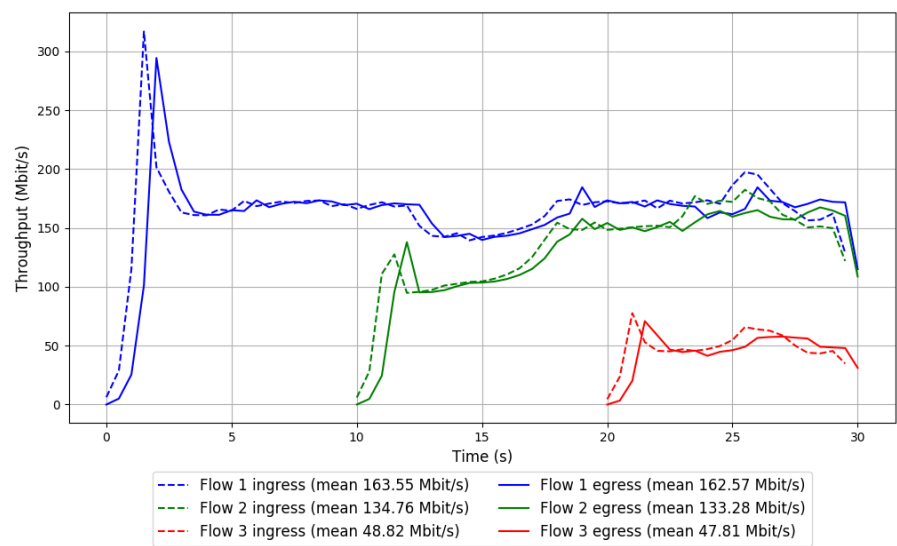


Run 3: Statistics of PCC-Expr

Start at: 2018-07-27 09:00:18
End at: 2018-07-27 09:00:48
Local clock offset: 0.007 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-27 14:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.71 Mbit/s
95th percentile per-packet one-way delay: 211.072 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 162.57 Mbit/s
95th percentile per-packet one-way delay: 188.722 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 133.28 Mbit/s
95th percentile per-packet one-way delay: 224.657 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 231.381 ms
Loss rate: 3.07%

Run 3: Report of PCC-Expr — Data Link

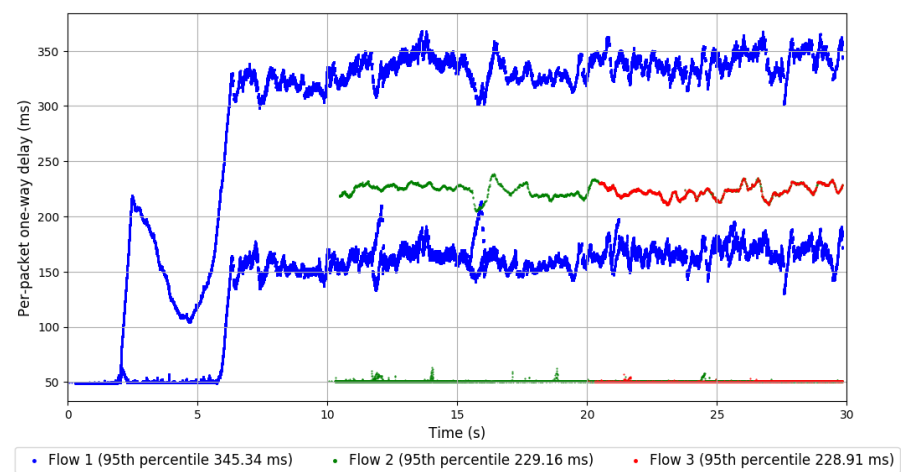
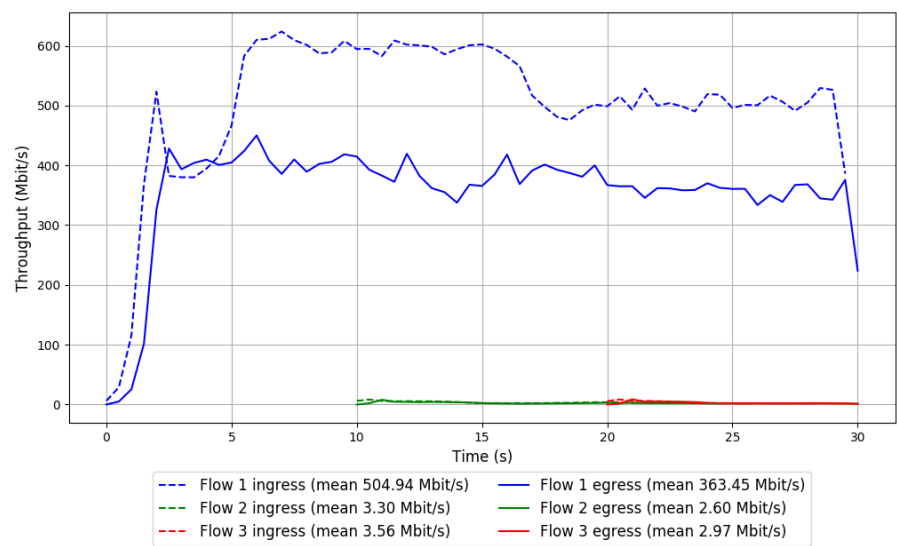


Run 4: Statistics of PCC-Expr

Start at: 2018-07-27 09:24:24
End at: 2018-07-27 09:24:54
Local clock offset: -0.047 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-27 14:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.15 Mbit/s
95th percentile per-packet one-way delay: 345.278 ms
Loss rate: 28.21%
-- Flow 1:
Average throughput: 363.45 Mbit/s
95th percentile per-packet one-way delay: 345.341 ms
Loss rate: 28.26%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 229.157 ms
Loss rate: 21.62%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 228.905 ms
Loss rate: 17.48%

Run 4: Report of PCC-Expr — Data Link

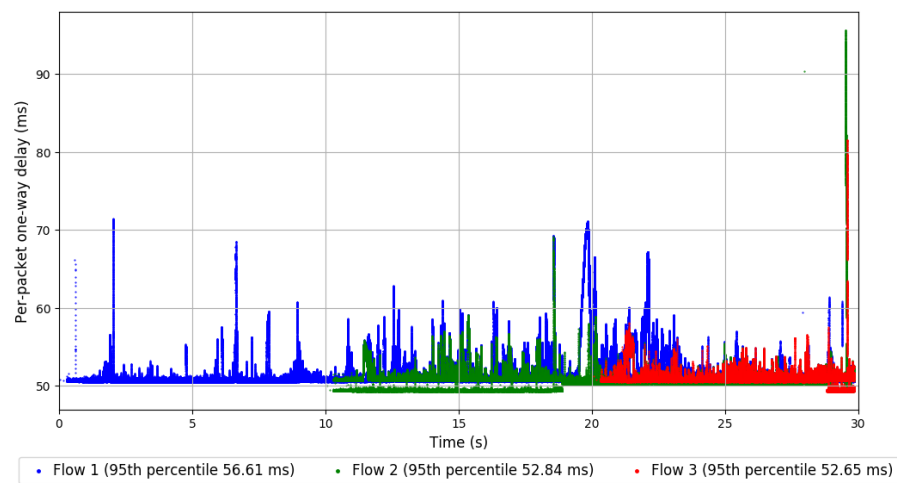
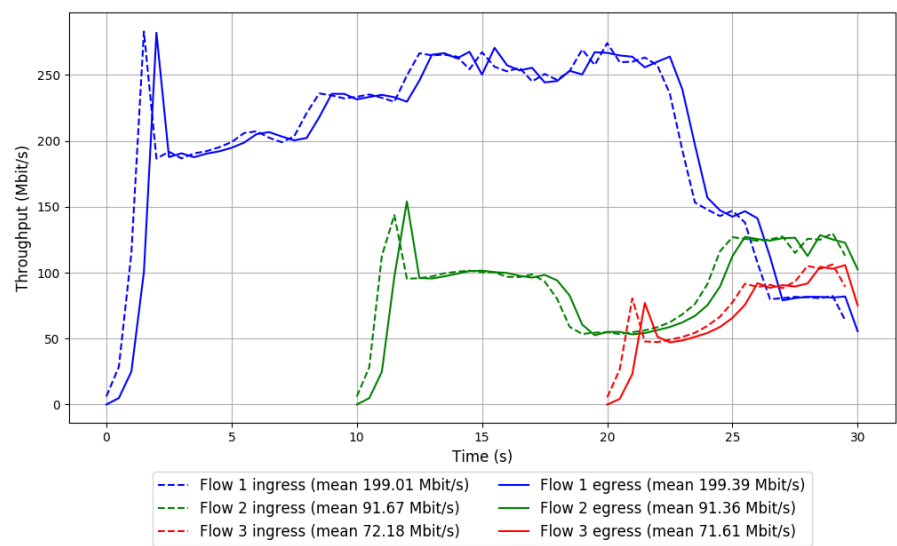


Run 5: Statistics of PCC-Expr

Start at: 2018-07-27 09:48:21
End at: 2018-07-27 09:48:51
Local clock offset: -0.075 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-27 14:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.53 Mbit/s
95th percentile per-packet one-way delay: 55.624 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 199.39 Mbit/s
95th percentile per-packet one-way delay: 56.613 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 52.845 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 71.61 Mbit/s
95th percentile per-packet one-way delay: 52.647 ms
Loss rate: 1.78%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-27 10:12:33

End at: 2018-07-27 10:13:03

Local clock offset: -0.081 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-27 14:25:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.74 Mbit/s

95th percentile per-packet one-way delay: 217.204 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 184.16 Mbit/s

95th percentile per-packet one-way delay: 216.493 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 134.90 Mbit/s

95th percentile per-packet one-way delay: 222.323 ms

Loss rate: 1.68%

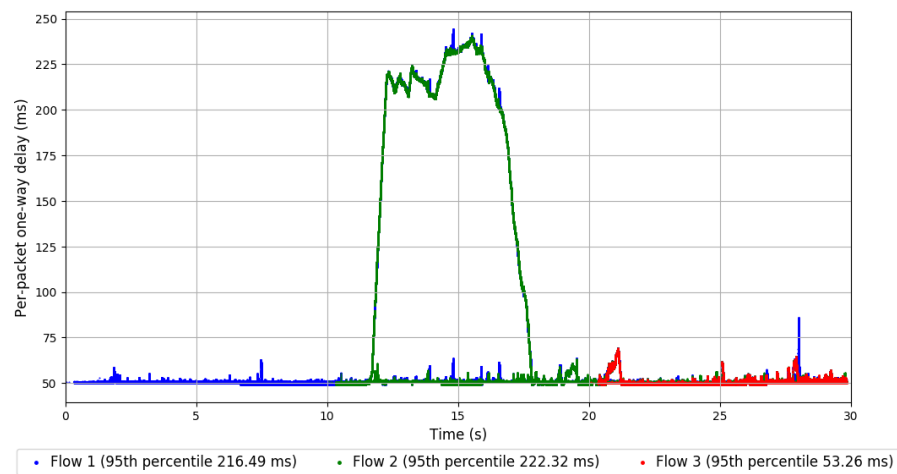
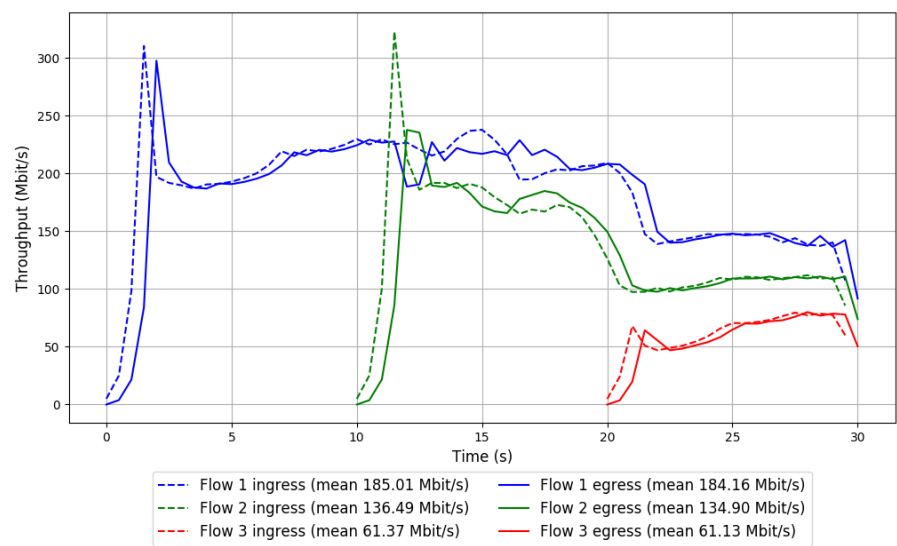
-- Flow 3:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 1.42%

Run 6: Report of PCC-Expr — Data Link

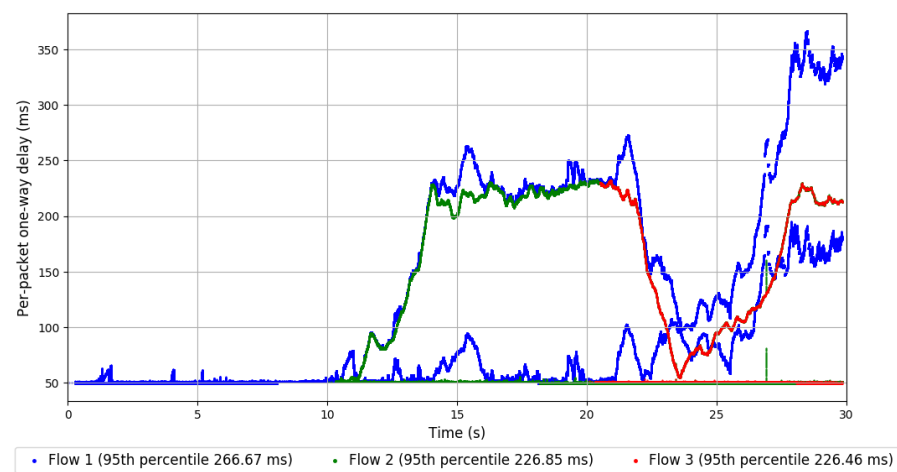
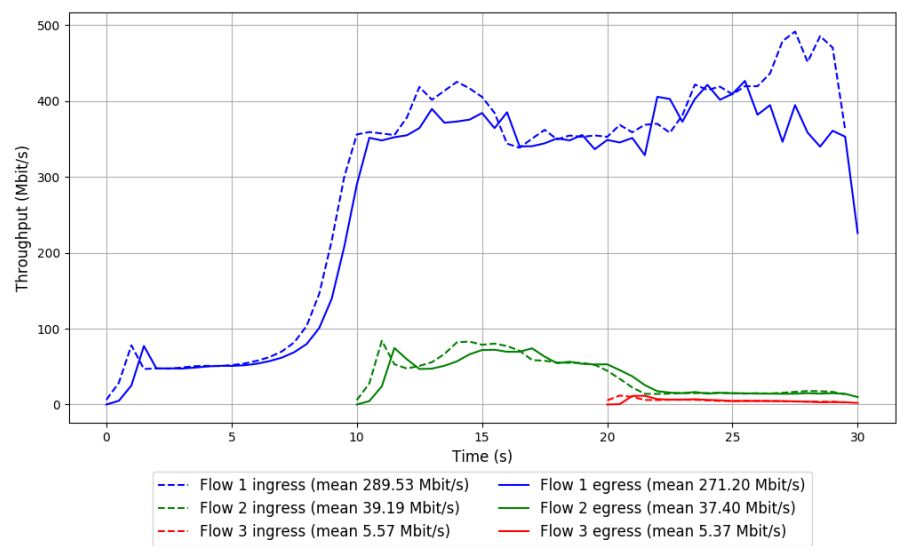


Run 7: Statistics of PCC-Expr

Start at: 2018-07-27 10:36:42
End at: 2018-07-27 10:37:12
Local clock offset: 0.378 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-27 14:25:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.78 Mbit/s
95th percentile per-packet one-way delay: 262.231 ms
Loss rate: 6.50%
-- Flow 1:
Average throughput: 271.20 Mbit/s
95th percentile per-packet one-way delay: 266.665 ms
Loss rate: 6.65%
-- Flow 2:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 226.852 ms
Loss rate: 5.05%
-- Flow 3:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 226.456 ms
Loss rate: 4.54%

Run 7: Report of PCC-Expr — Data Link

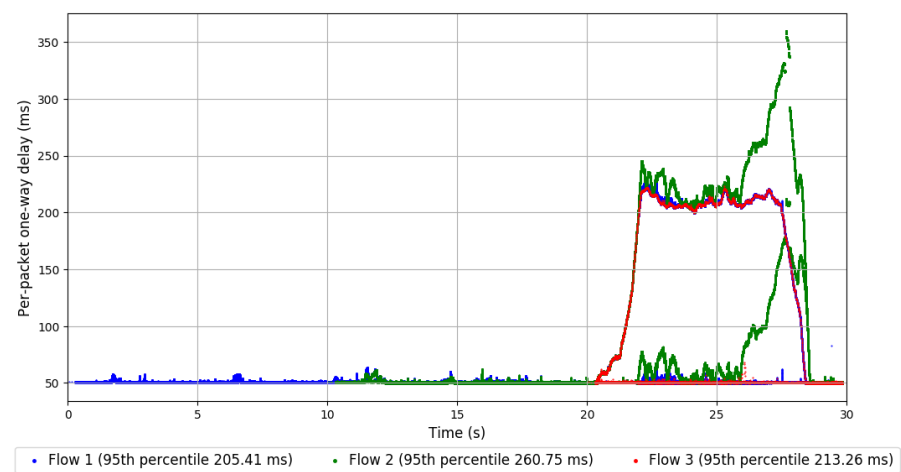
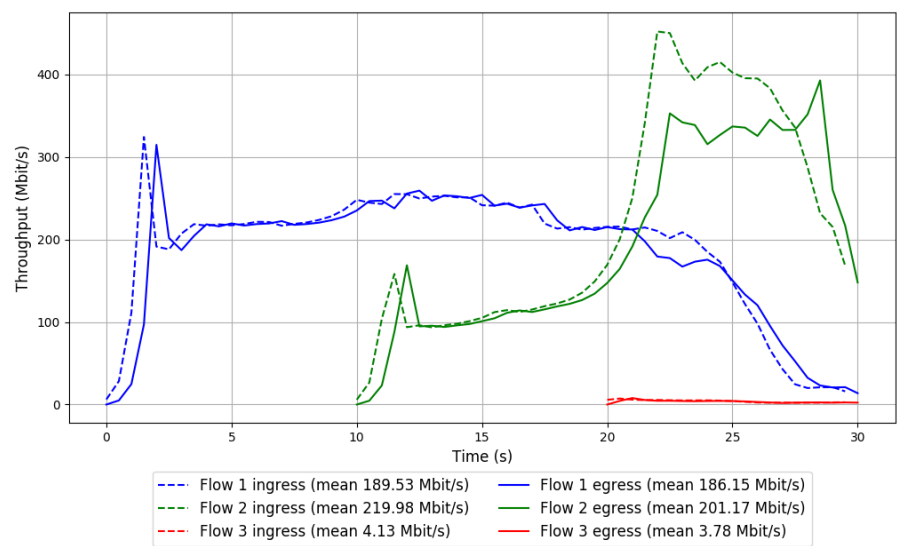


Run 8: Statistics of PCC-Expr

Start at: 2018-07-27 11:00:38
End at: 2018-07-27 11:01:08
Local clock offset: -0.057 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-27 14:25:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.96 Mbit/s
95th percentile per-packet one-way delay: 223.701 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 186.15 Mbit/s
95th percentile per-packet one-way delay: 205.407 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 201.17 Mbit/s
95th percentile per-packet one-way delay: 260.751 ms
Loss rate: 9.02%
-- Flow 3:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 213.262 ms
Loss rate: 9.41%

Run 8: Report of PCC-Expr — Data Link

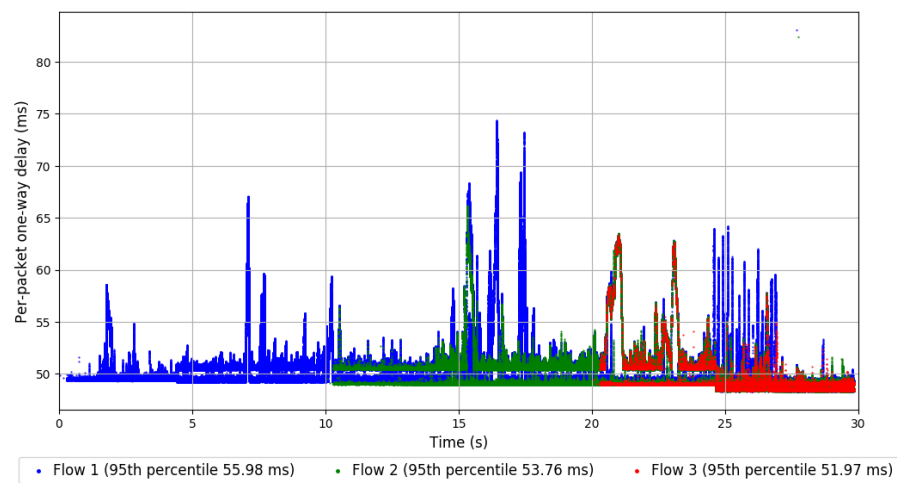
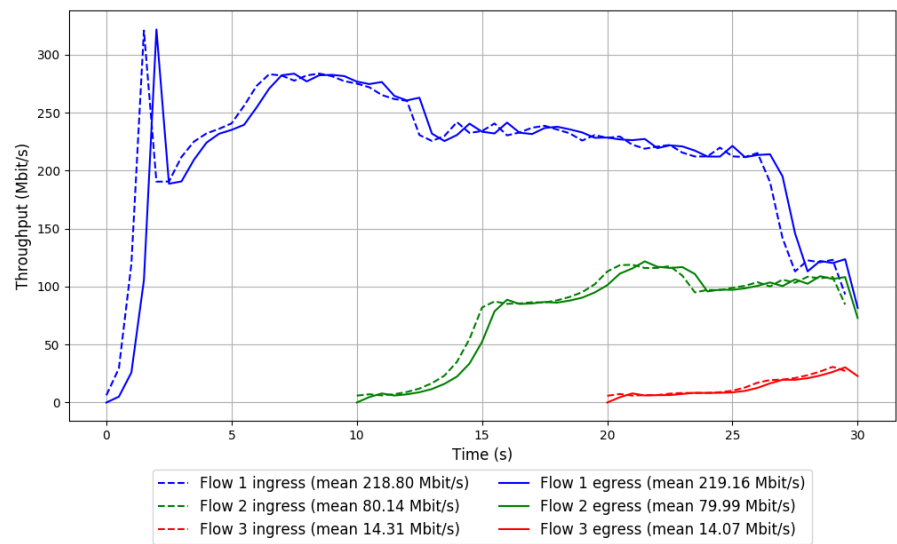


Run 9: Statistics of PCC-Expr

Start at: 2018-07-27 11:24:46
End at: 2018-07-27 11:25:16
Local clock offset: -0.496 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-27 14:27:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.88 Mbit/s
95th percentile per-packet one-way delay: 55.659 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 219.16 Mbit/s
95th percentile per-packet one-way delay: 55.976 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 79.99 Mbit/s
95th percentile per-packet one-way delay: 53.756 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 51.973 ms
Loss rate: 2.68%

Run 9: Report of PCC-Expr — Data Link

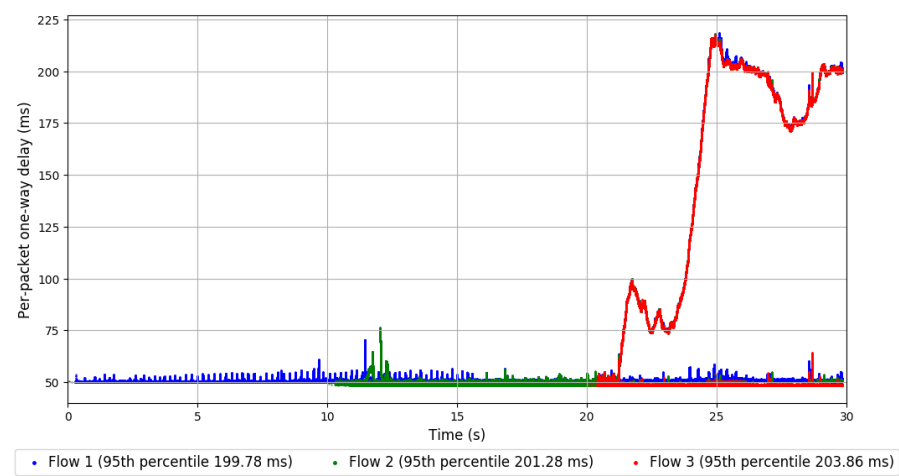
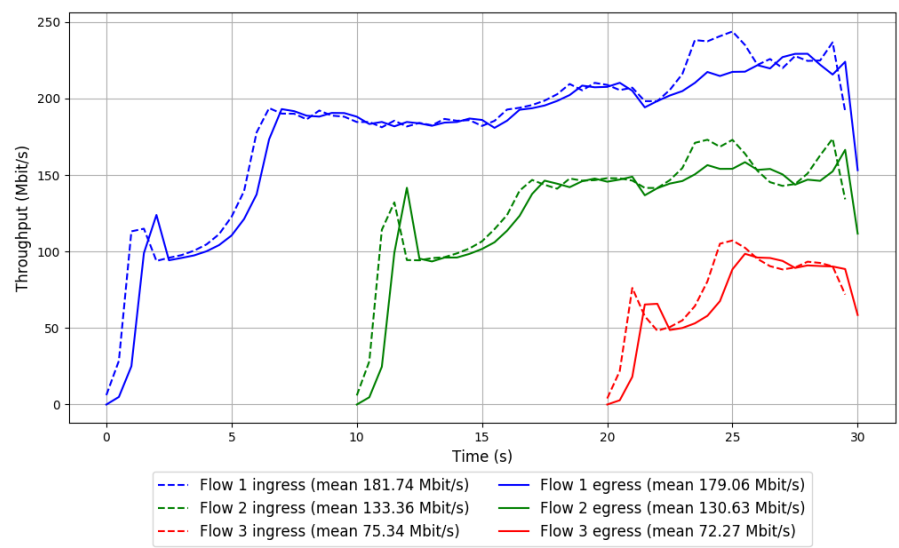


Run 10: Statistics of PCC-Expr

Start at: 2018-07-27 11:49:11
End at: 2018-07-27 11:49:41
Local clock offset: -0.158 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.45 Mbit/s
95th percentile per-packet one-way delay: 201.030 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 179.06 Mbit/s
95th percentile per-packet one-way delay: 199.780 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 130.63 Mbit/s
95th percentile per-packet one-way delay: 201.277 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 203.861 ms
Loss rate: 5.03%

Run 10: Report of PCC-Expr — Data Link

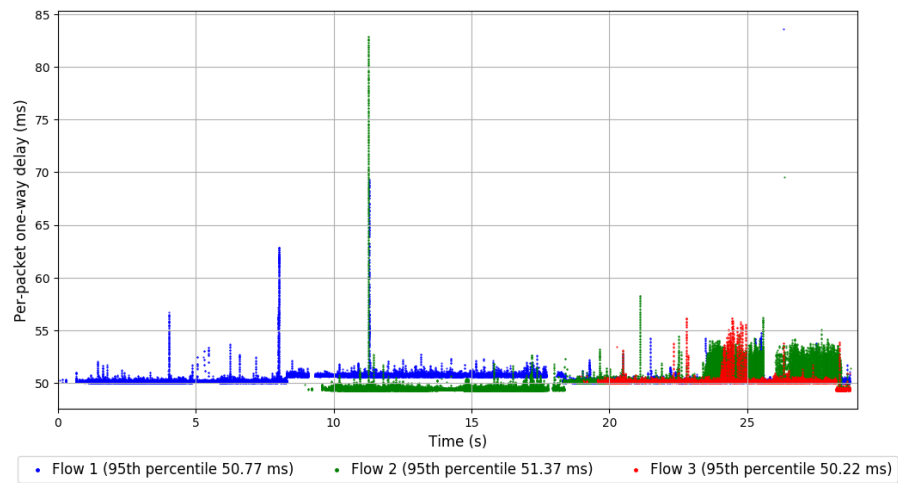
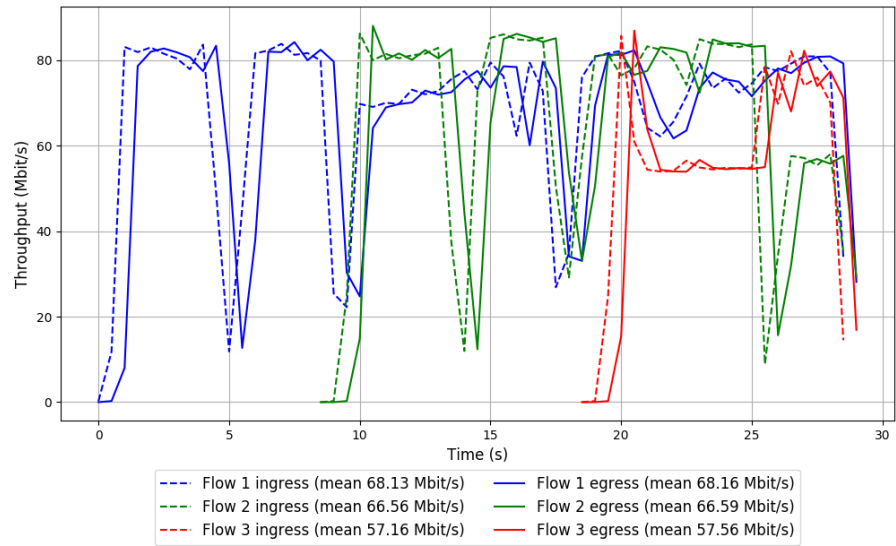


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-27 08:08:11
End at: 2018-07-27 08:08:41
Local clock offset: -0.143 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.66 Mbit/s
95th percentile per-packet one-way delay: 50.772 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 50.768 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 51.374 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 50.224 ms
Loss rate: 0.33%

Run 1: Report of QUIC Cubic — Data Link

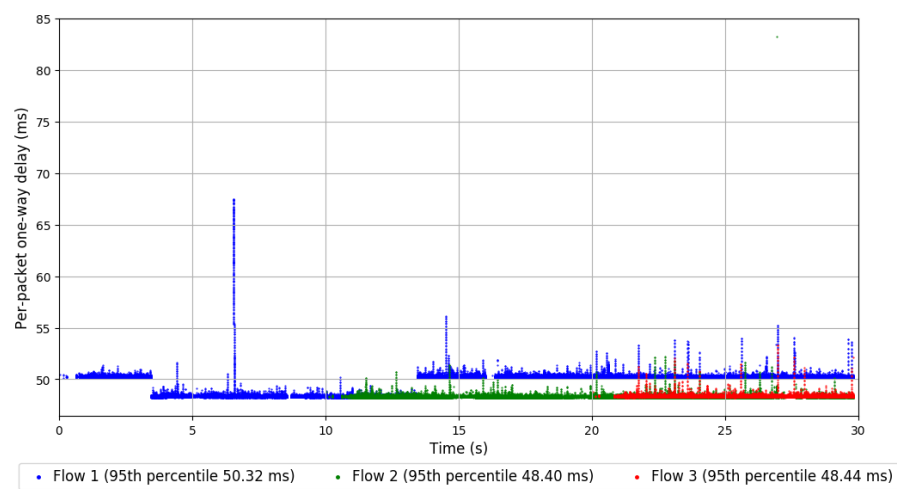
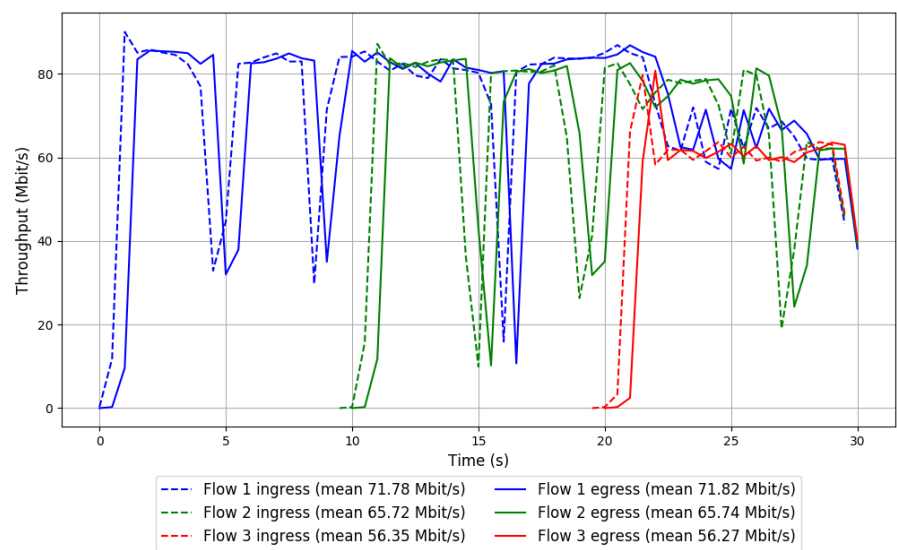


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-27 08:32:17
End at: 2018-07-27 08:32:47
Local clock offset: -0.417 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.99 Mbit/s
95th percentile per-packet one-way delay: 50.283 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 50.317 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 48.395 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 48.437 ms
Loss rate: 1.12%

Run 2: Report of QUIC Cubic — Data Link

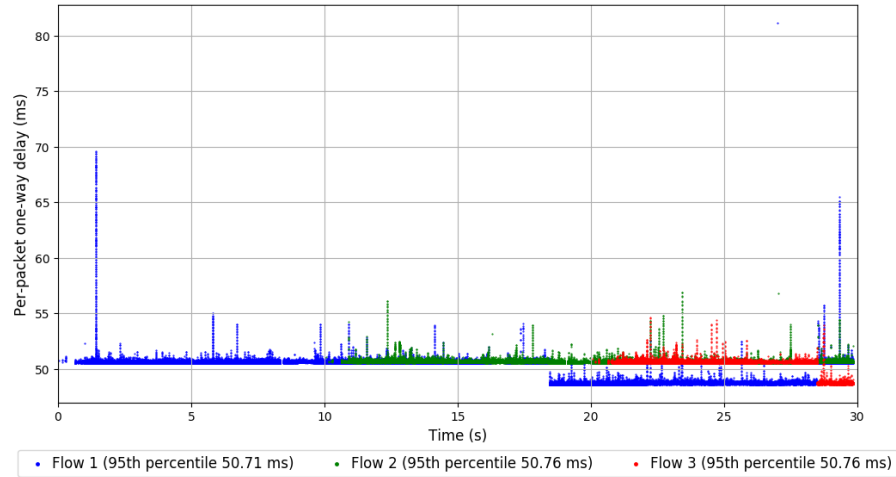
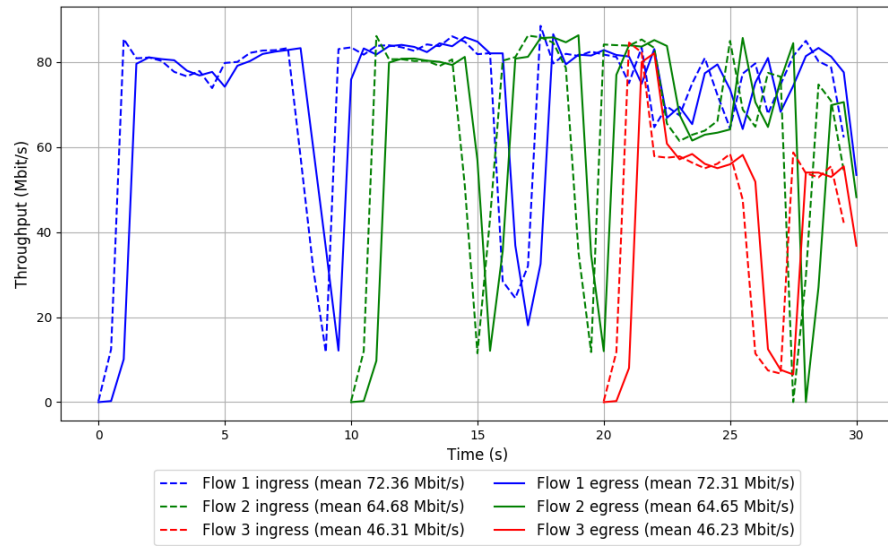


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-27 08:56:22
End at: 2018-07-27 08:56:52
Local clock offset: 0.019 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.42 Mbit/s
95th percentile per-packet one-way delay: 50.738 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 72.31 Mbit/s
95th percentile per-packet one-way delay: 50.711 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 50.763 ms
Loss rate: 1.19%

Run 3: Report of QUIC Cubic — Data Link

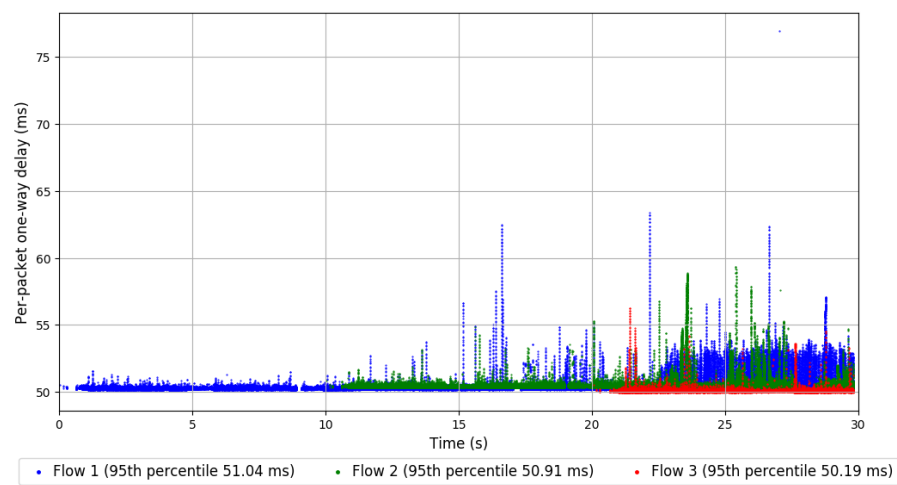
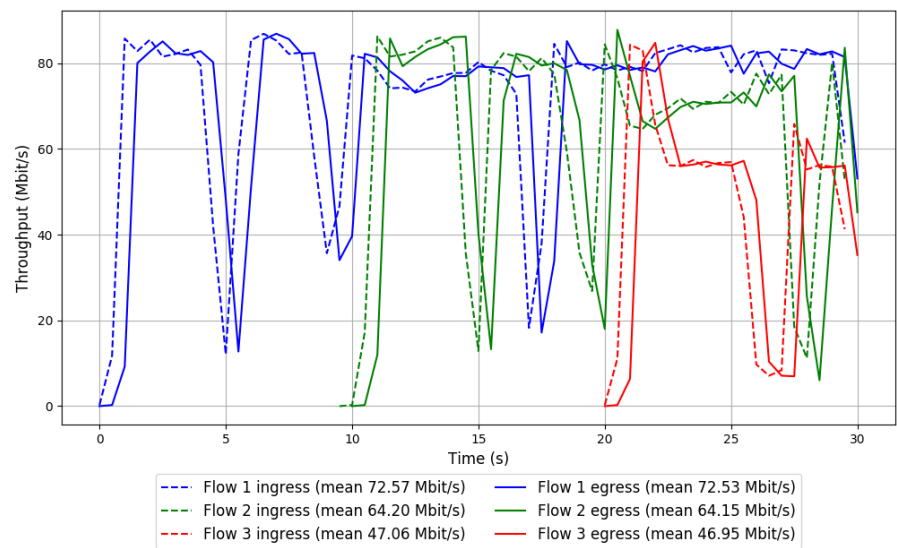


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-27 09:20:31
End at: 2018-07-27 09:21:01
Local clock offset: -0.415 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.53 Mbit/s
95th percentile per-packet one-way delay: 50.849 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 72.53 Mbit/s
95th percentile per-packet one-way delay: 51.044 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 50.913 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 50.188 ms
Loss rate: 1.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-27 09:44:24

End at: 2018-07-27 09:44:54

Local clock offset: -0.071 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-27 14:29:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.89 Mbit/s

95th percentile per-packet one-way delay: 50.697 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 50.639 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 0.54%

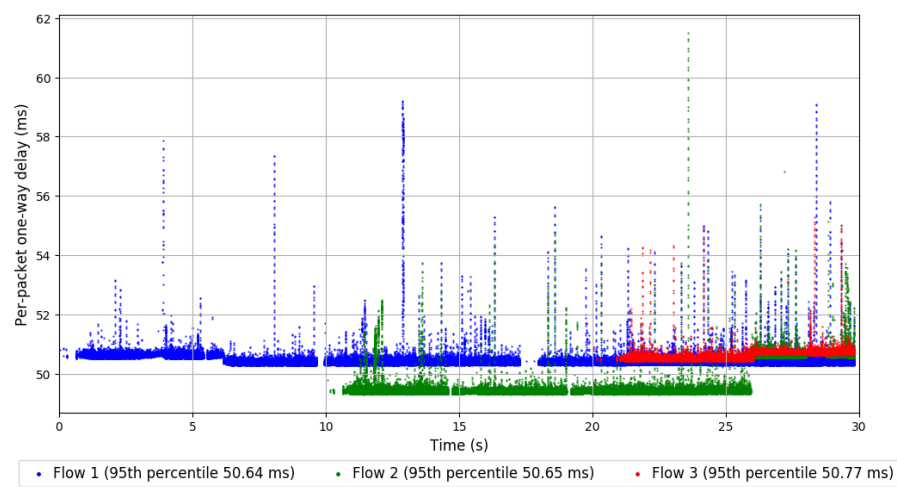
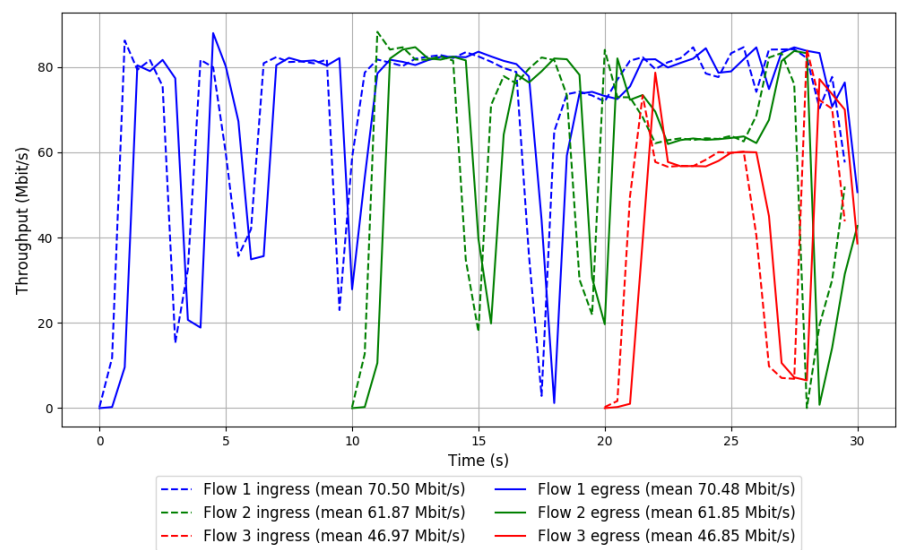
-- Flow 3:

Average throughput: 46.85 Mbit/s

95th percentile per-packet one-way delay: 50.774 ms

Loss rate: 1.30%

Run 5: Report of QUIC Cubic — Data Link

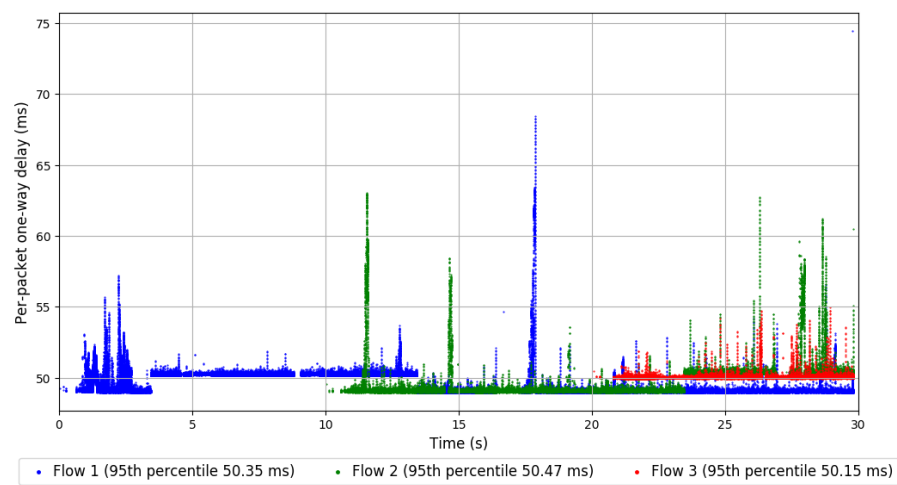
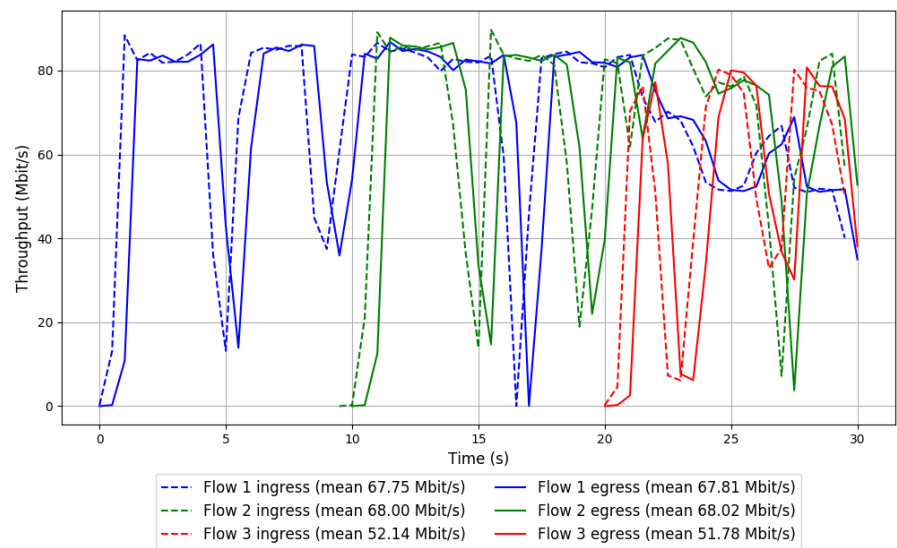


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-27 10:08:37
End at: 2018-07-27 10:09:07
Local clock offset: -0.436 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.99 Mbit/s
95th percentile per-packet one-way delay: 50.422 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 50.347 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 50.473 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 51.78 Mbit/s
95th percentile per-packet one-way delay: 50.151 ms
Loss rate: 1.72%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-27 10:32:44

End at: 2018-07-27 10:33:14

Local clock offset: 0.324 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-27 14:29:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.28 Mbit/s

95th percentile per-packet one-way delay: 51.037 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 71.74 Mbit/s

95th percentile per-packet one-way delay: 51.073 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 67.42 Mbit/s

95th percentile per-packet one-way delay: 49.866 ms

Loss rate: 0.61%

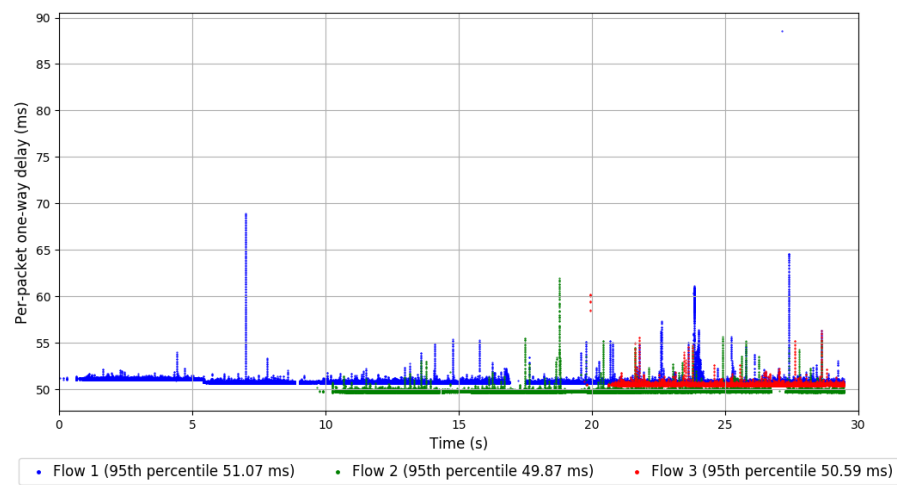
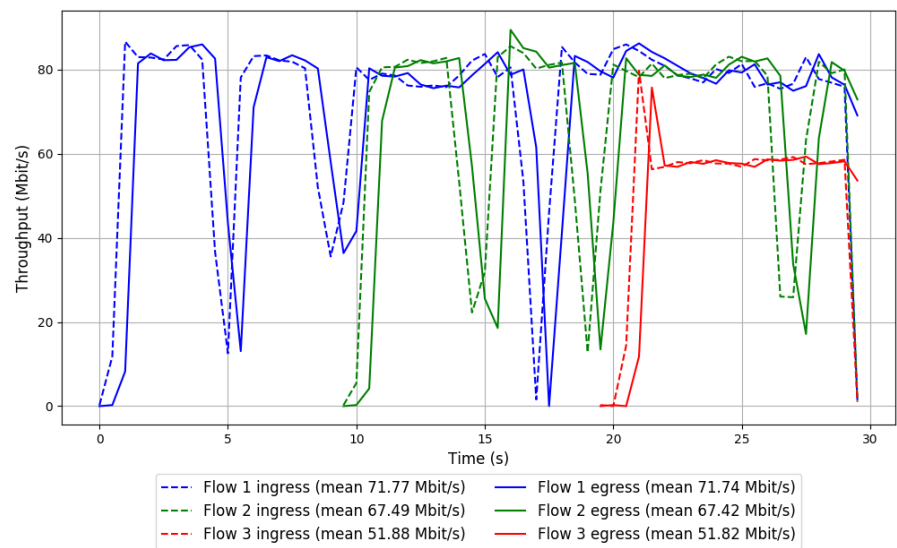
-- Flow 3:

Average throughput: 51.82 Mbit/s

95th percentile per-packet one-way delay: 50.589 ms

Loss rate: 1.15%

Run 7: Report of QUIC Cubic — Data Link

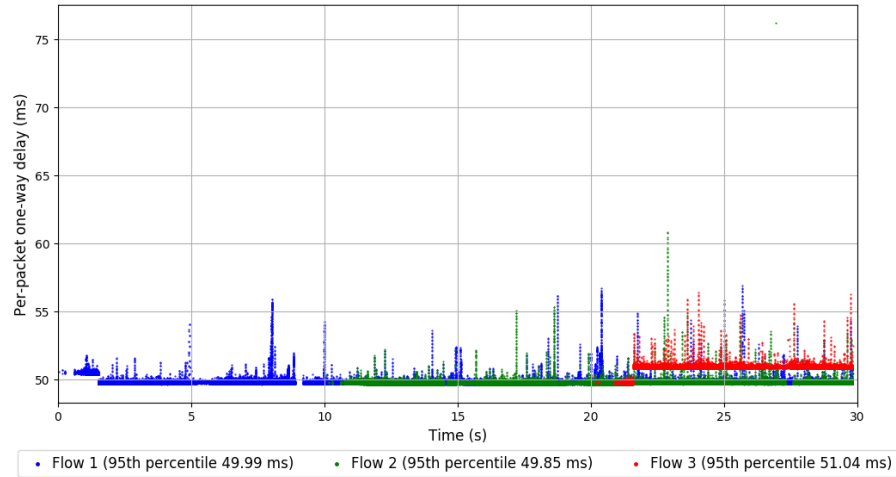
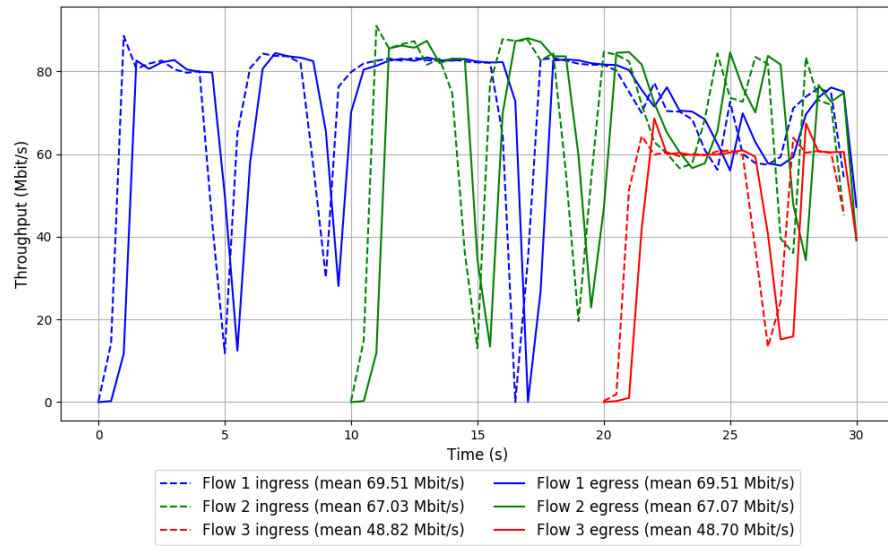


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-27 10:56:49
End at: 2018-07-27 10:57:19
Local clock offset: 0.31 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.01 Mbit/s
95th percentile per-packet one-way delay: 50.915 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 69.51 Mbit/s
95th percentile per-packet one-way delay: 49.987 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 67.07 Mbit/s
95th percentile per-packet one-way delay: 49.853 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 51.039 ms
Loss rate: 1.26%

Run 8: Report of QUIC Cubic — Data Link

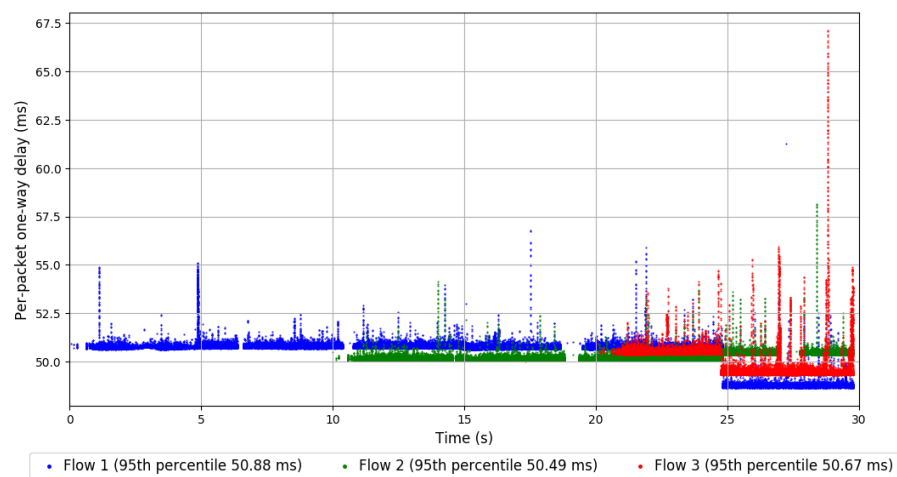
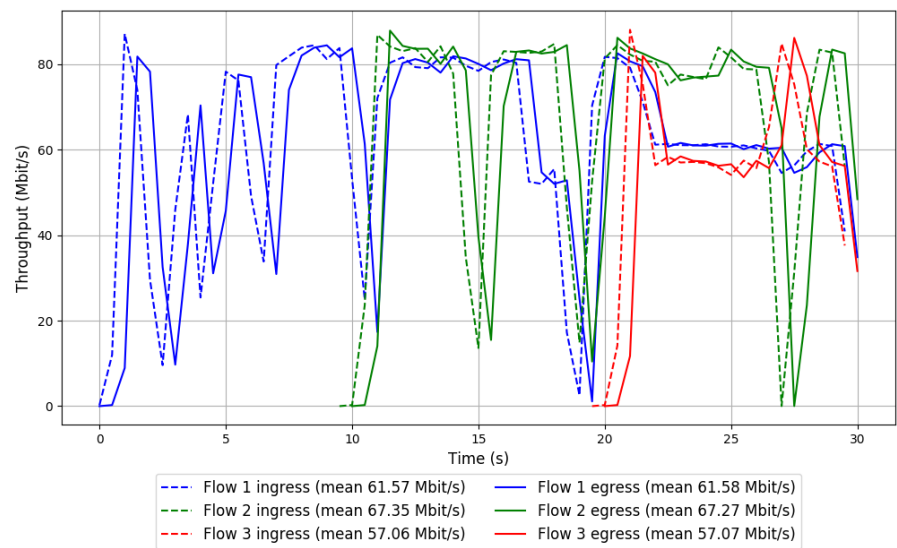


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-27 11:20:55
End at: 2018-07-27 11:21:25
Local clock offset: -0.126 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.99 Mbit/s
95th percentile per-packet one-way delay: 50.836 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 50.877 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 50.489 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 50.670 ms
Loss rate: 1.03%

Run 9: Report of QUIC Cubic — Data Link

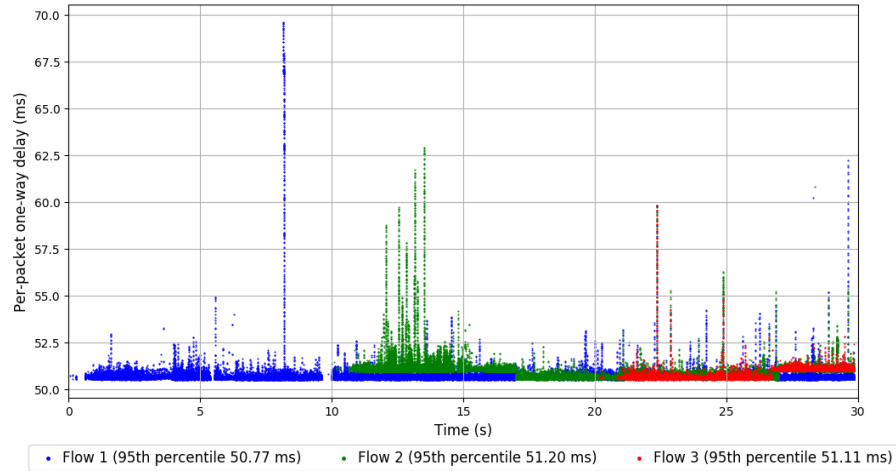
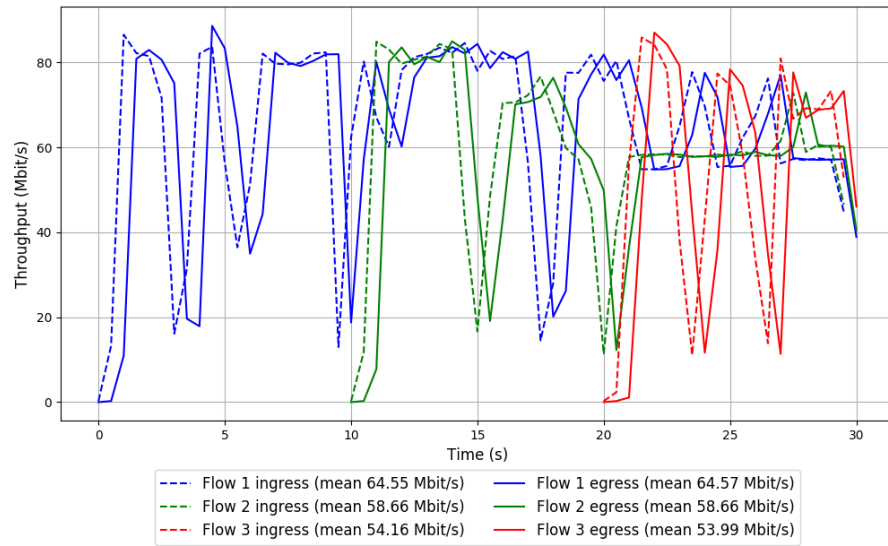


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-27 11:45:13
End at: 2018-07-27 11:45:43
Local clock offset: 0.227 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.18 Mbit/s
95th percentile per-packet one-way delay: 51.096 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 50.773 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 51.196 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 51.106 ms
Loss rate: 1.29%

Run 10: Report of QUIC Cubic — Data Link

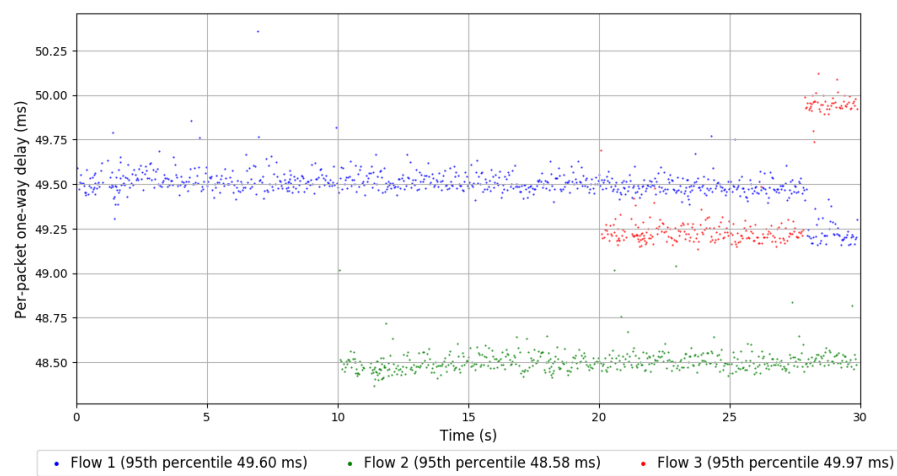
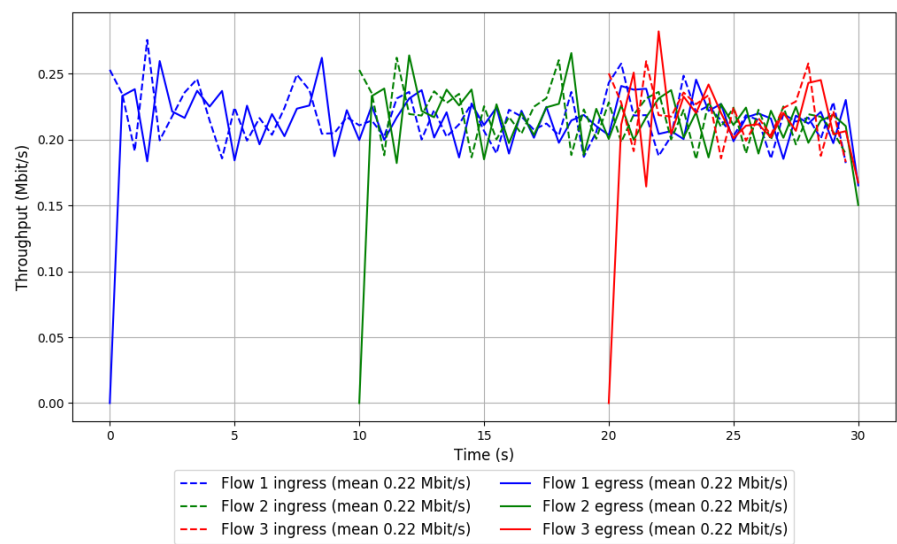


Run 1: Statistics of SReAM

Start at: 2018-07-27 08:29:42
End at: 2018-07-27 08:30:12
Local clock offset: -0.427 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 49.627 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.603 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.579 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.965 ms
Loss rate: 1.08%

Run 1: Report of SReAM — Data Link

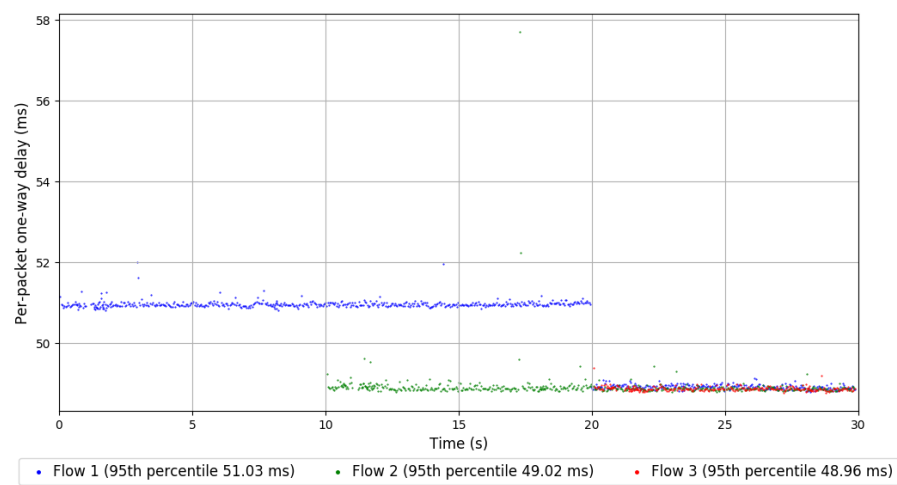
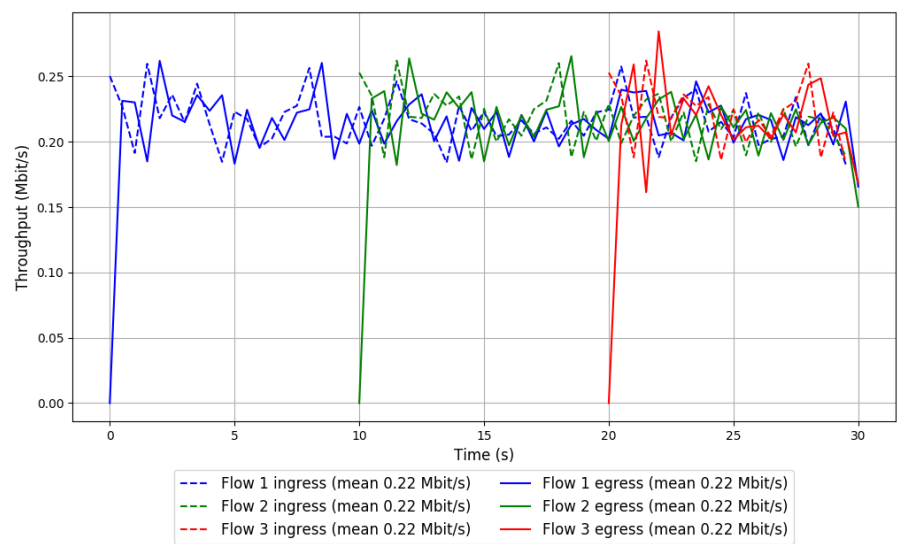


Run 2: Statistics of SReAM

Start at: 2018-07-27 08:53:50
End at: 2018-07-27 08:54:20
Local clock offset: 0.054 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.033 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.017 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.964 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

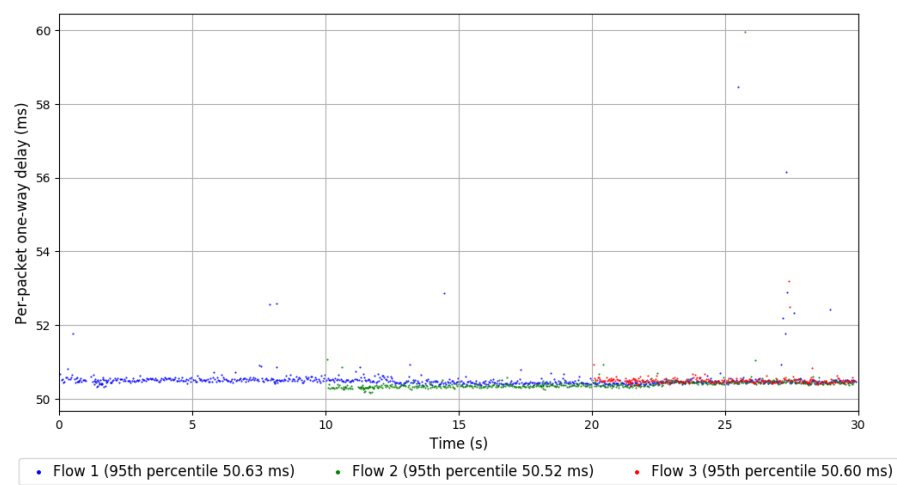
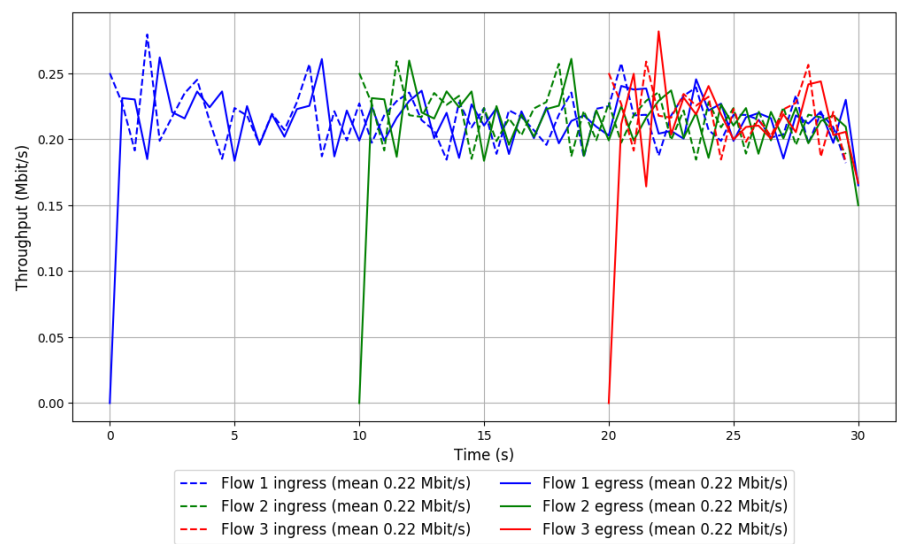


Run 3: Statistics of SReAM

Start at: 2018-07-27 09:17:58
End at: 2018-07-27 09:18:28
Local clock offset: -0.34 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.596 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.635 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.602 ms
Loss rate: 1.09%

Run 3: Report of SReAM — Data Link

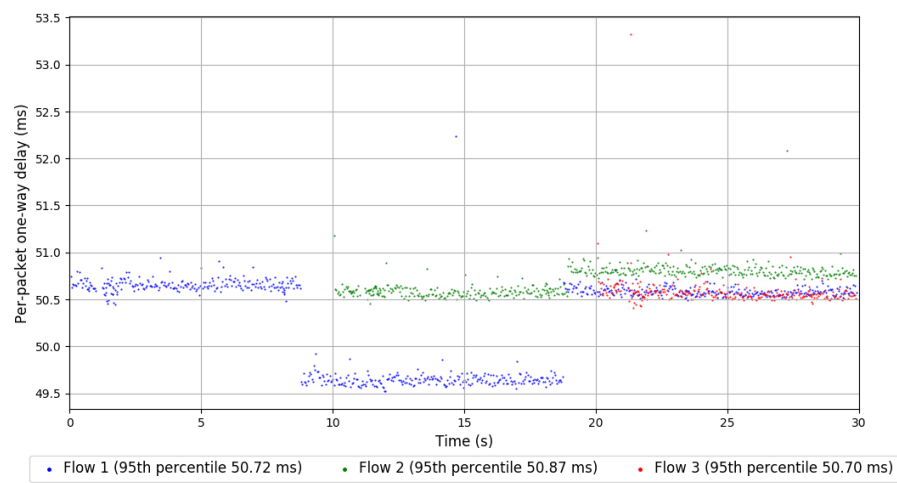
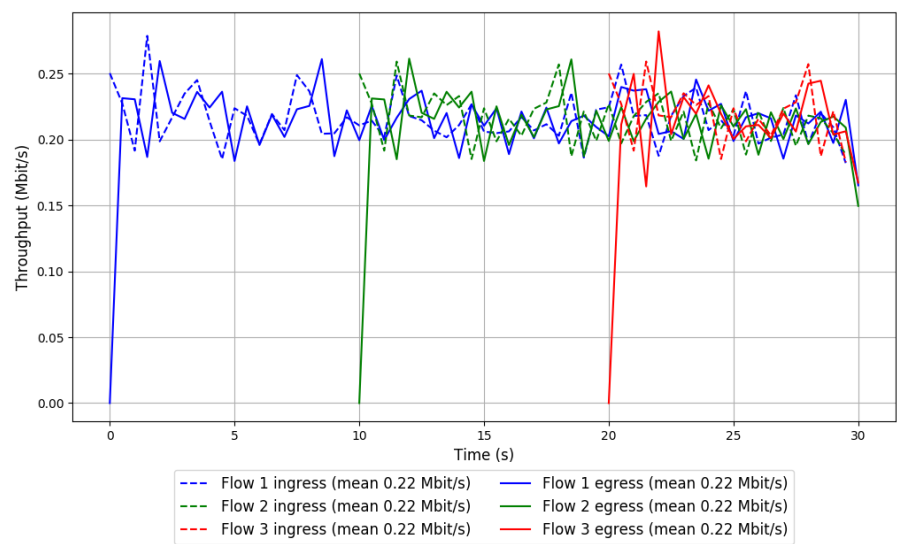


Run 4: Statistics of SReAM

Start at: 2018-07-27 09:41:51
End at: 2018-07-27 09:42:21
Local clock offset: -0.057 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.839 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.715 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.867 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.695 ms
Loss rate: 1.09%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-27 10:06:05

End at: 2018-07-27 10:06:35

Local clock offset: 0.256 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-27 14:29:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.247 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.252 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.184 ms

Loss rate: 0.61%

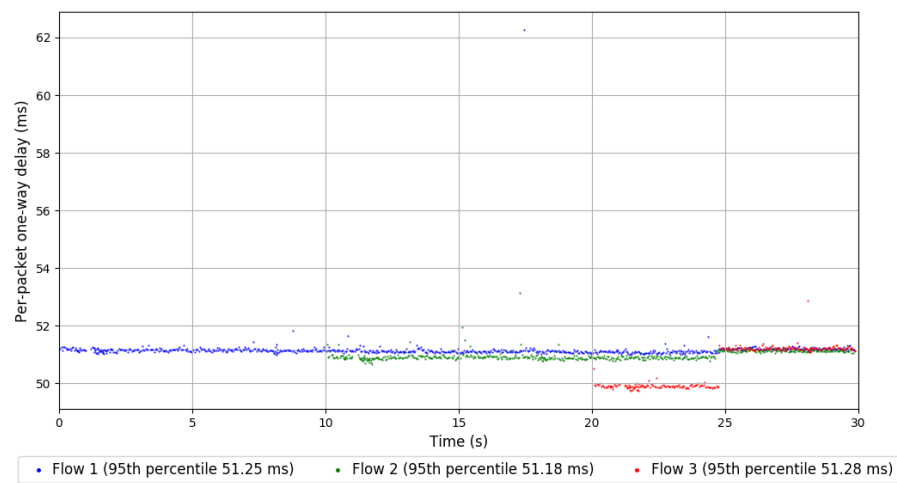
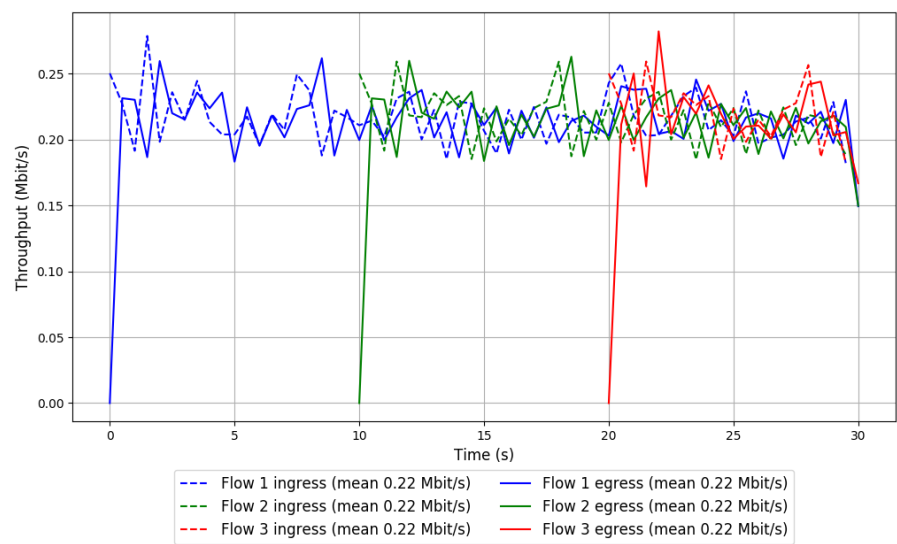
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.284 ms

Loss rate: 1.08%

Run 5: Report of SCSReAM — Data Link

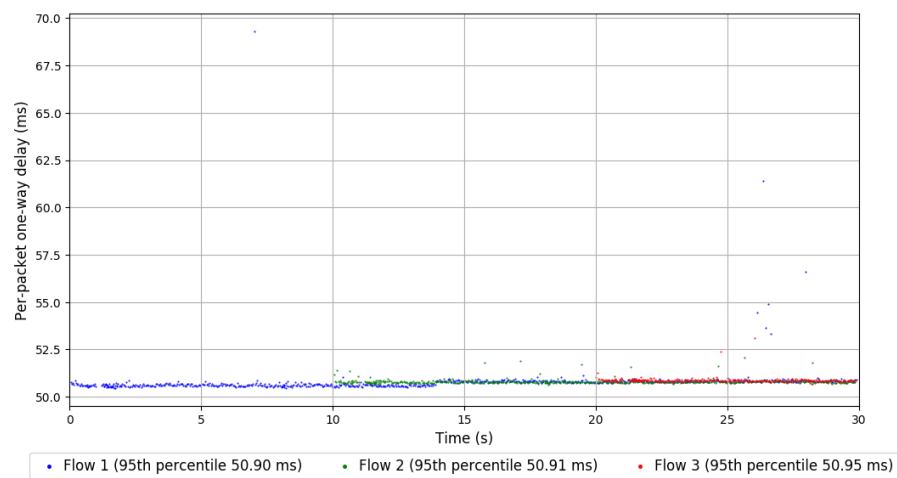
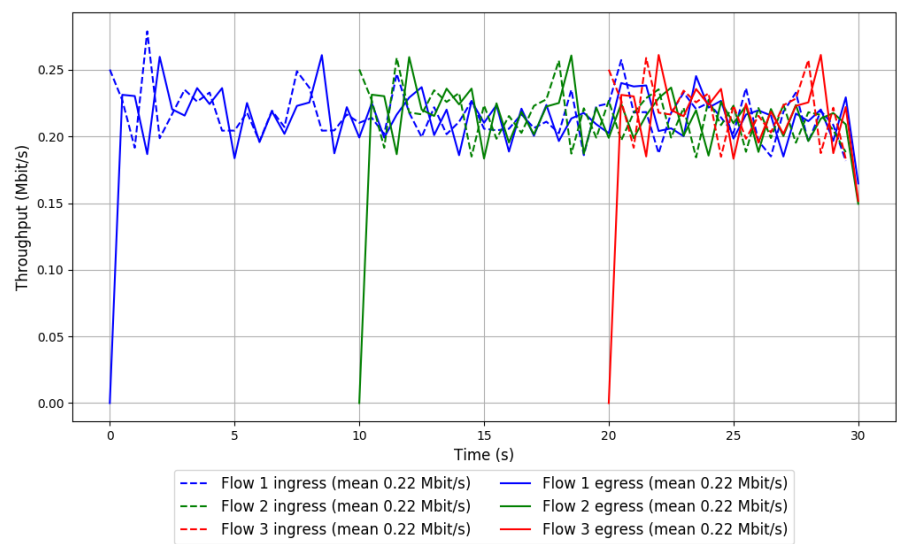


Run 6: Statistics of SReAM

Start at: 2018-07-27 10:30:16
End at: 2018-07-27 10:30:46
Local clock offset: -0.032 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.919 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.899 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.906 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.950 ms
Loss rate: 1.09%

Run 6: Report of SReAM — Data Link

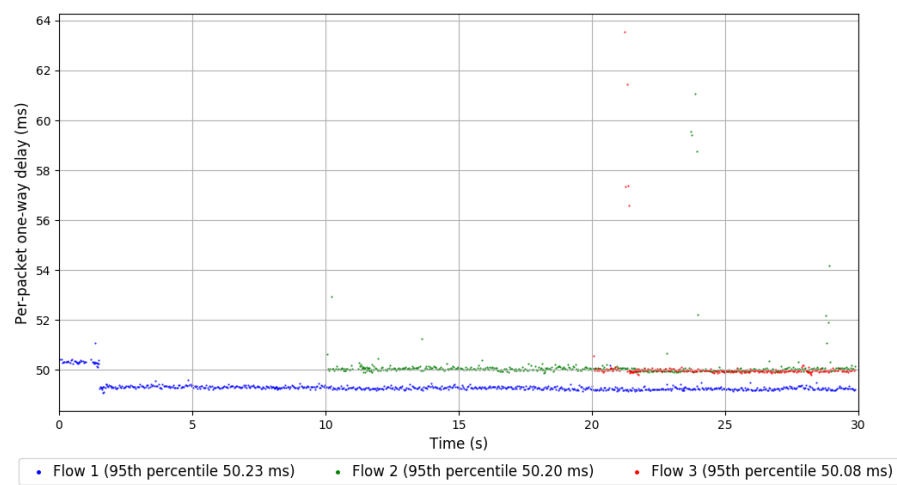
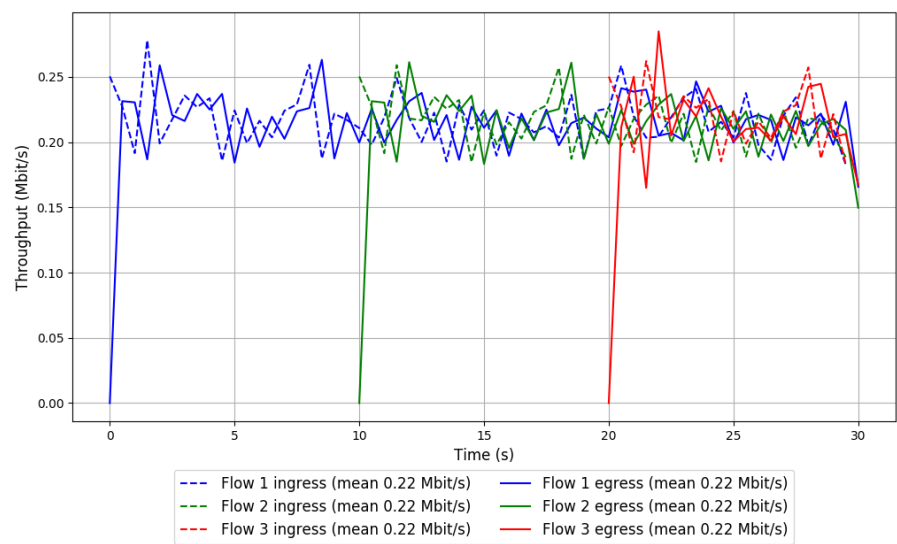


Run 7: Statistics of SReAM

Start at: 2018-07-27 10:54:19
End at: 2018-07-27 10:54:49
Local clock offset: -0.396 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.175 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.229 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.200 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.079 ms
Loss rate: 1.09%

Run 7: Report of SReAM — Data Link

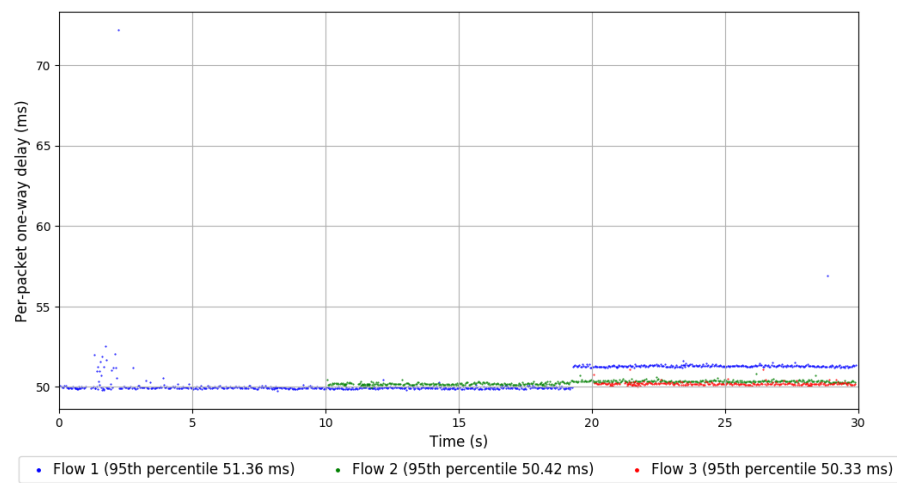
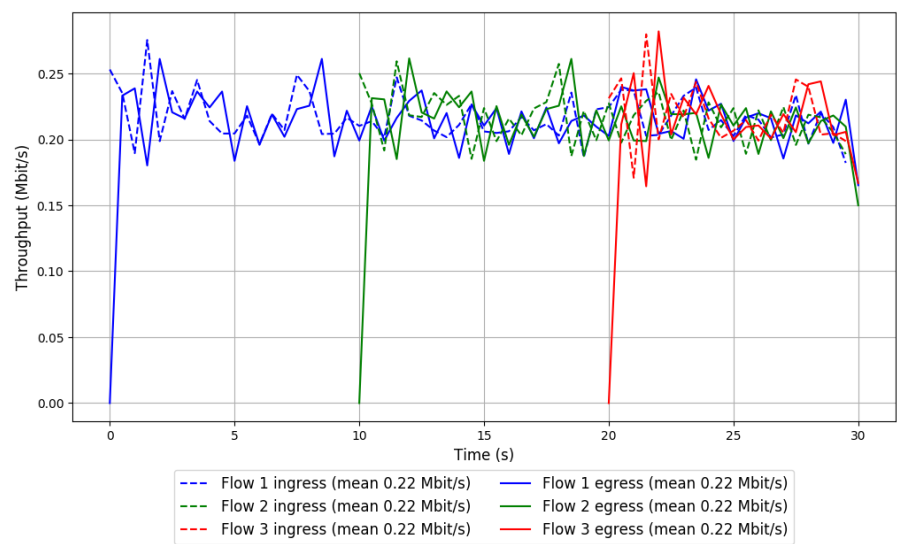


Run 8: Statistics of SReAM

Start at: 2018-07-27 11:18:21
End at: 2018-07-27 11:18:51
Local clock offset: 0.267 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.326 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.421 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.326 ms
Loss rate: 1.09%

Run 8: Report of SReAM — Data Link

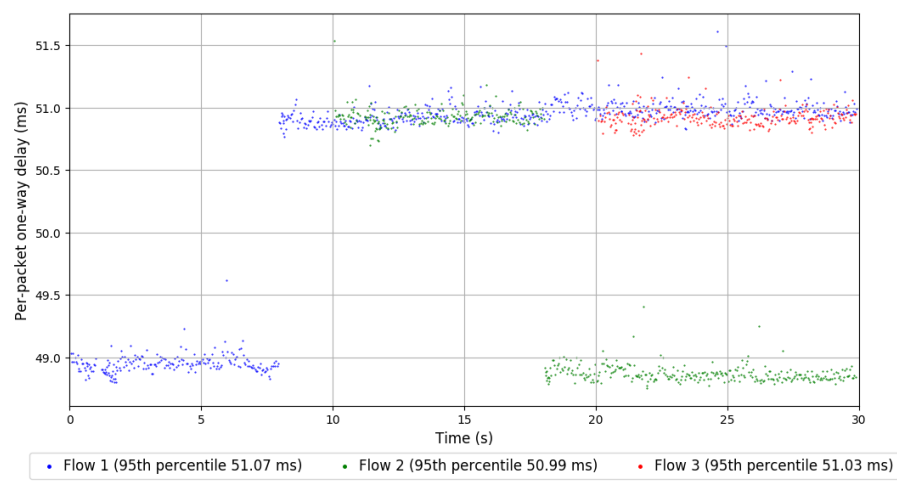
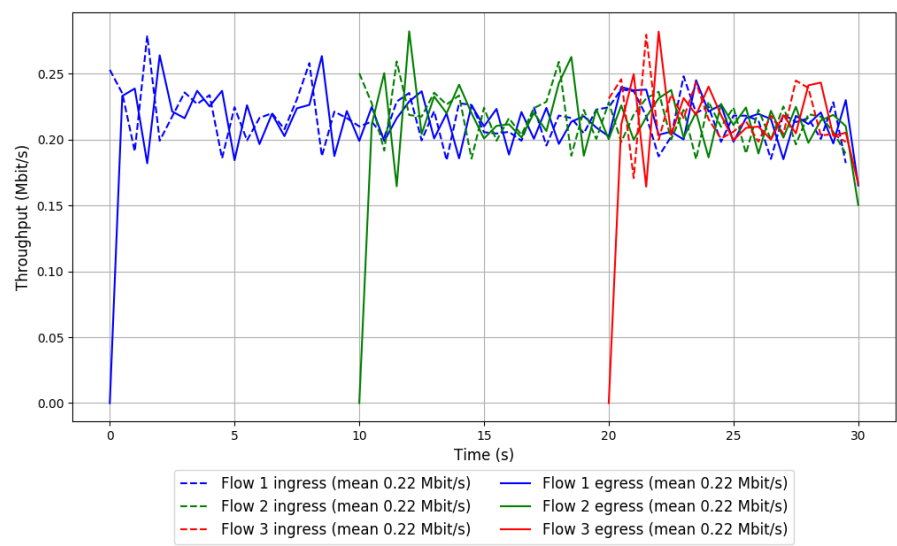


Run 9: Statistics of SReAM

Start at: 2018-07-27 11:42:42
End at: 2018-07-27 11:43:12
Local clock offset: -0.164 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.047 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.988 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.033 ms
Loss rate: 1.09%

Run 9: Report of SReAM — Data Link

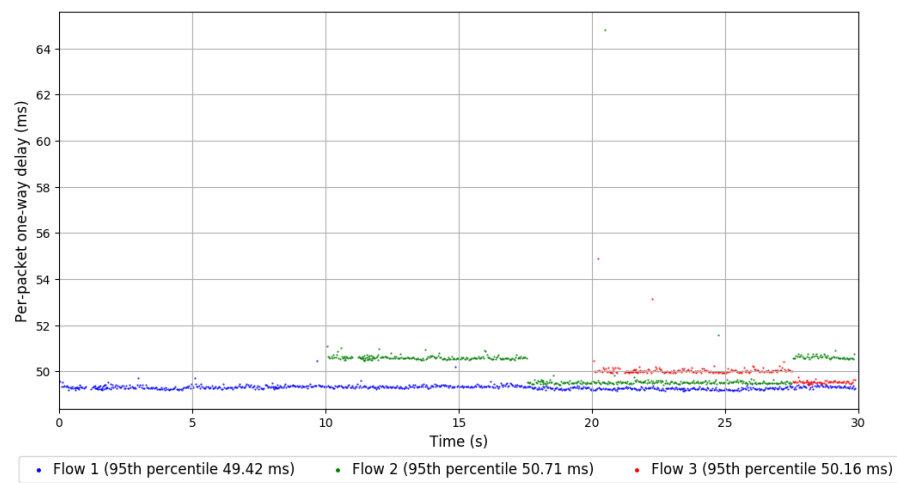
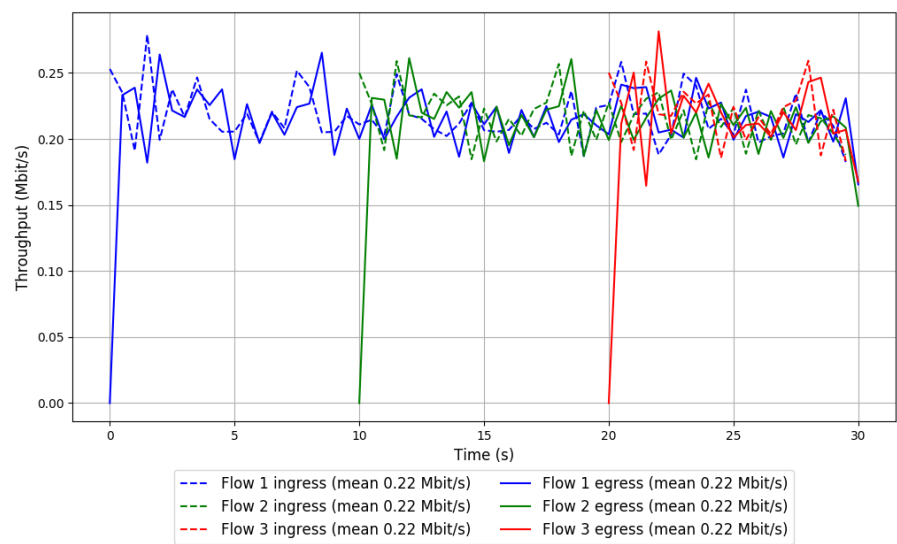


Run 10: Statistics of SReAM

Start at: 2018-07-27 12:07:03
End at: 2018-07-27 12:07:33
Local clock offset: -0.428 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.424 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.156 ms
Loss rate: 1.09%

Run 10: Report of SReAM — Data Link

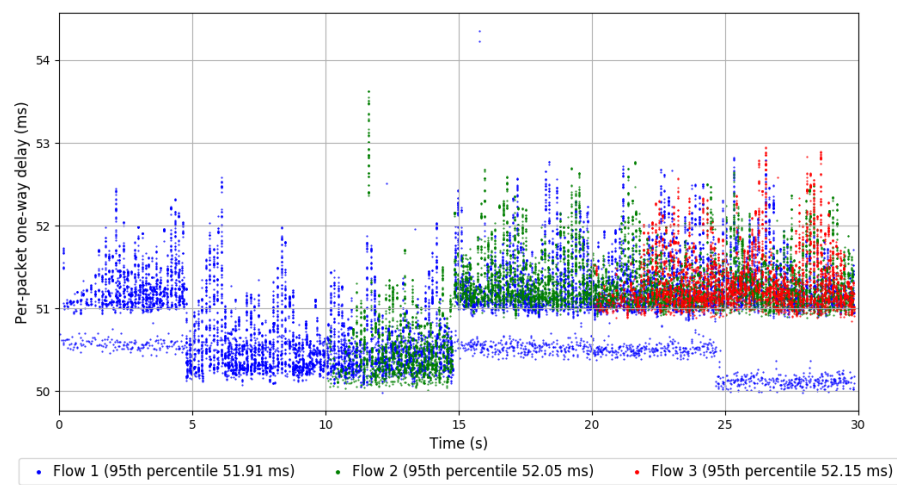
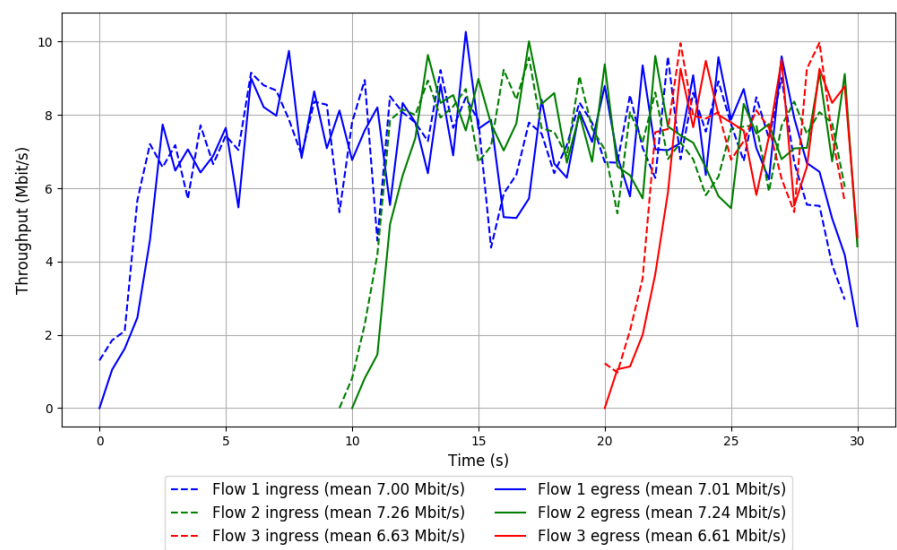


Run 1: Statistics of Sprout

Start at: 2018-07-27 08:18:35
End at: 2018-07-27 08:19:05
Local clock offset: 0.161 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 52.002 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 51.912 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 52.050 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 52.145 ms
Loss rate: 0.97%

Run 1: Report of Sprout — Data Link

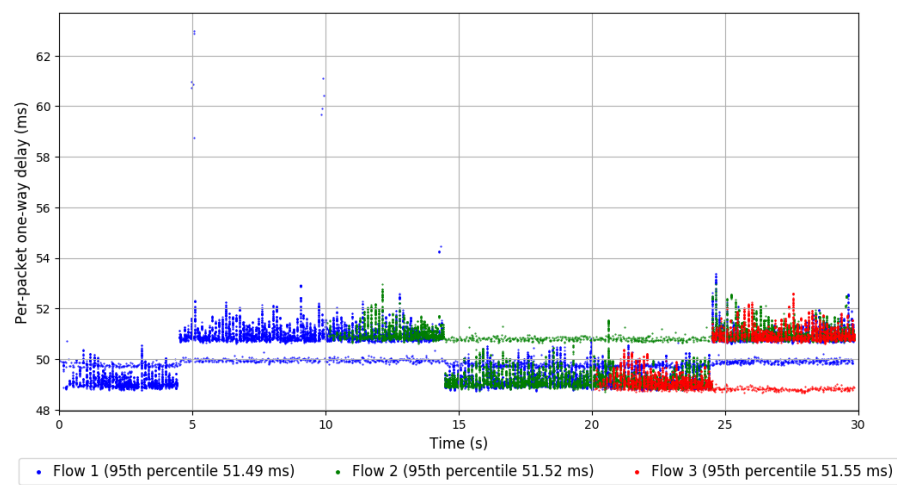
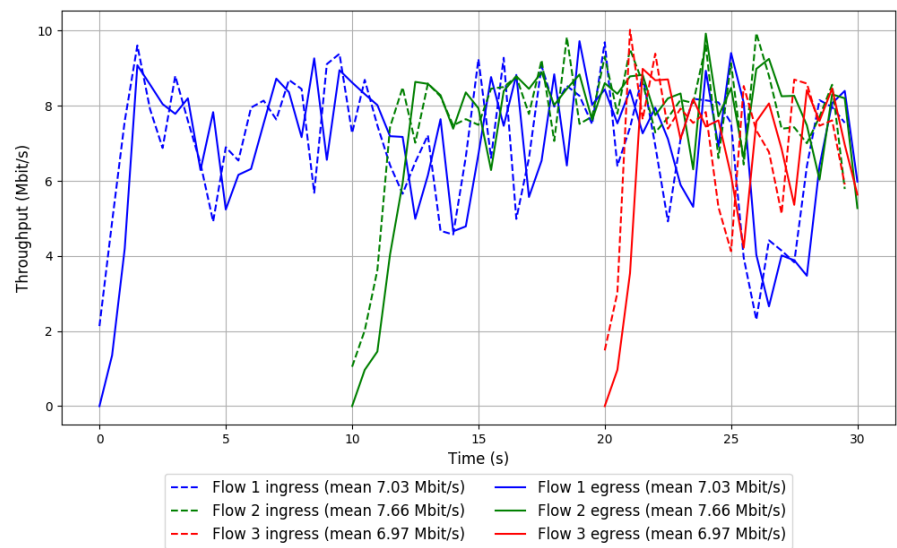


Run 2: Statistics of Sprout

Start at: 2018-07-27 08:42:46
End at: 2018-07-27 08:43:16
Local clock offset: 0.011 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.40 Mbit/s
95th percentile per-packet one-way delay: 51.518 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 51.495 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 51.521 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 51.552 ms
Loss rate: 0.87%

Run 2: Report of Sprout — Data Link

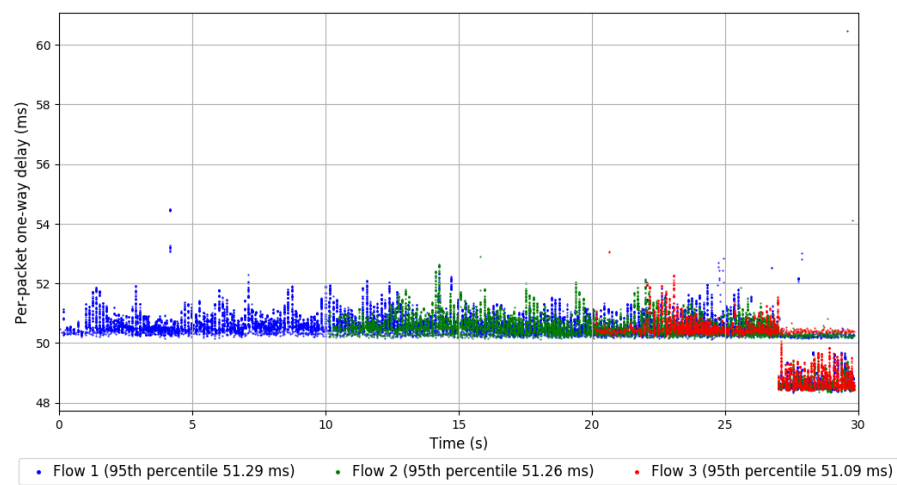
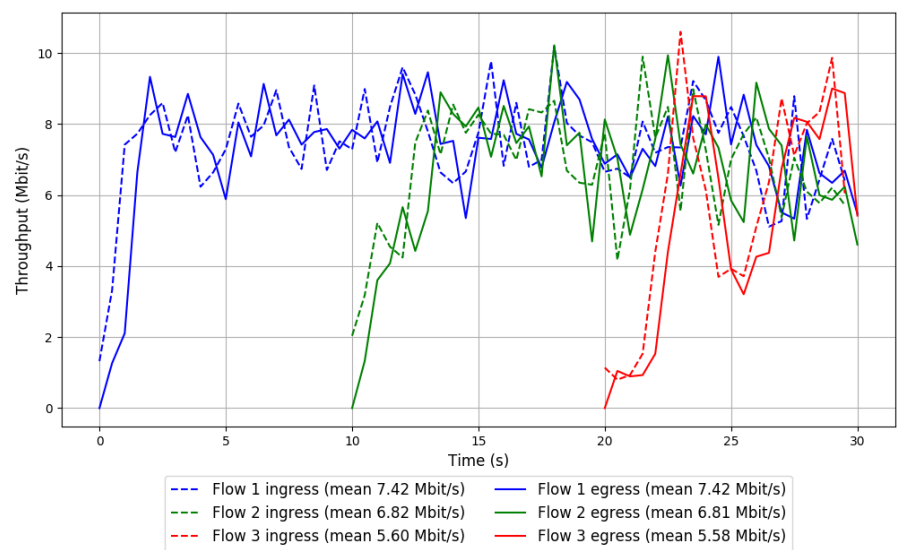


Run 3: Statistics of Sprout

Start at: 2018-07-27 09:06:53
End at: 2018-07-27 09:07:23
Local clock offset: -0.407 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 51.265 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 51.286 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 51.263 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 1.47%

Run 3: Report of Sprout — Data Link

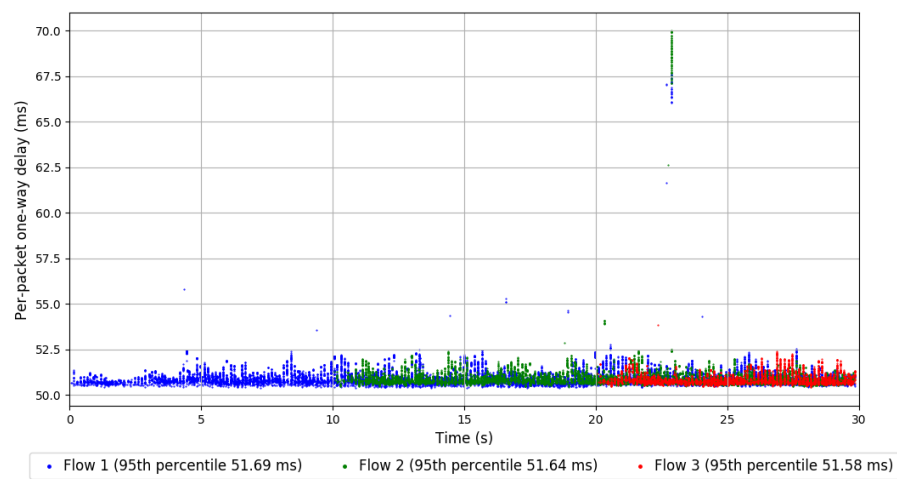
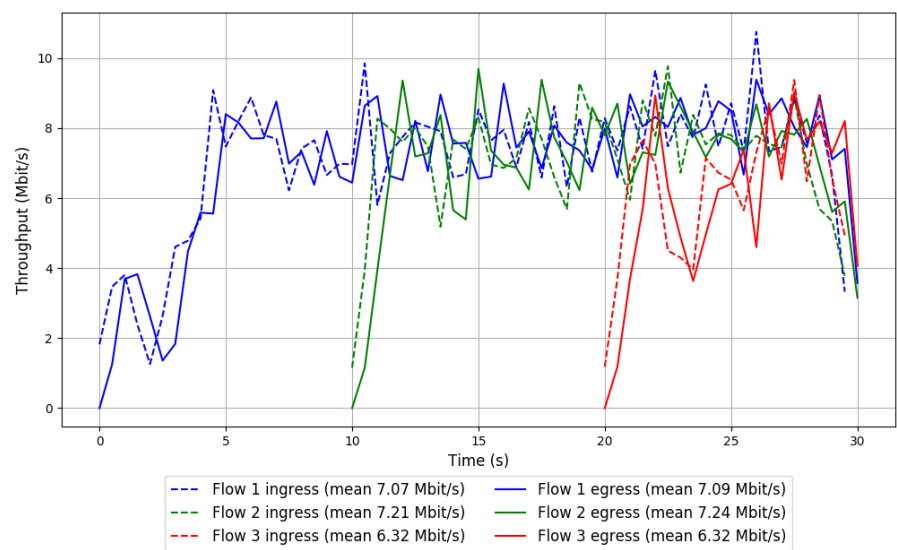


Run 4: Statistics of Sprout

Start at: 2018-07-27 09:31:00
End at: 2018-07-27 09:31:30
Local clock offset: -0.053 ms
Remote clock offset: -0.054 ms

```
# Below is generated by plot.py at 2018-07-27 14:29:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 51.654 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 51.692 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.640 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 51.577 ms
Loss rate: 0.70%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-27 09:55:00

End at: 2018-07-27 09:55:30

Local clock offset: -0.13 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-27 14:29:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.13 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 51.570 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 51.427 ms

Loss rate: 0.10%

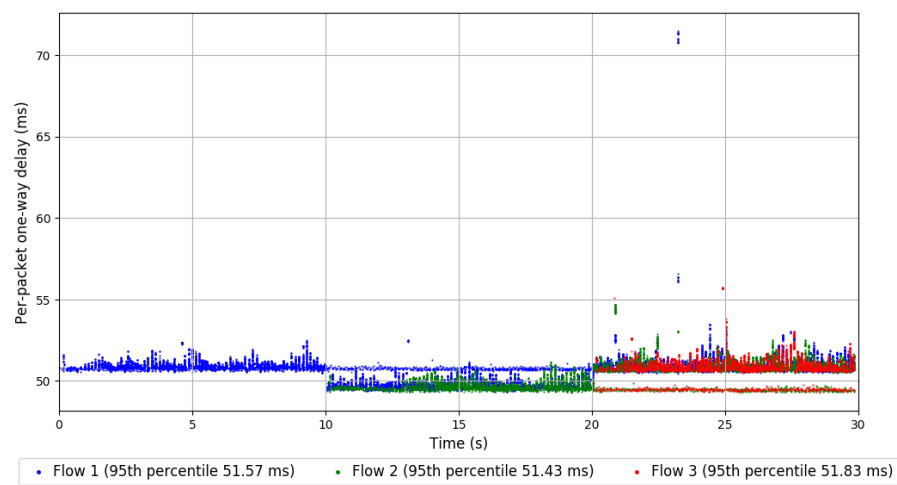
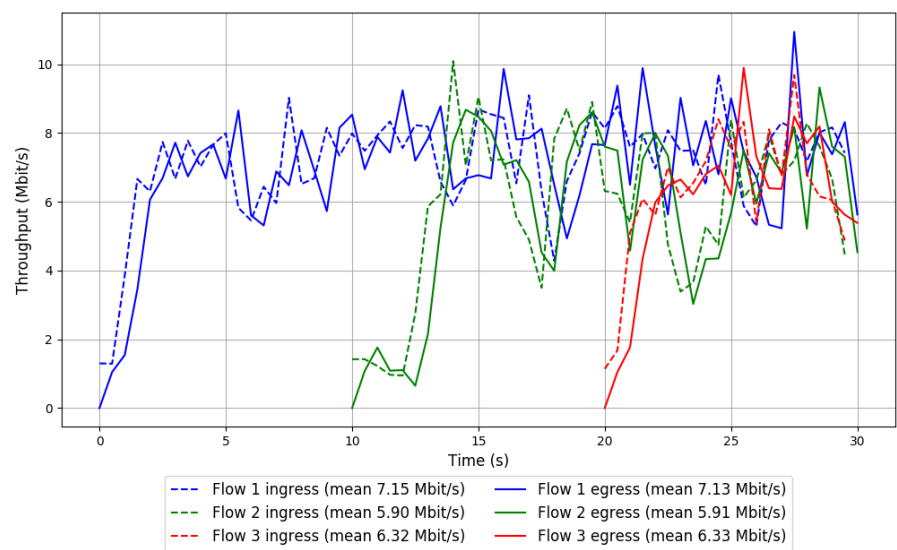
-- Flow 3:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 51.832 ms

Loss rate: 0.53%

Run 5: Report of Sprout — Data Link

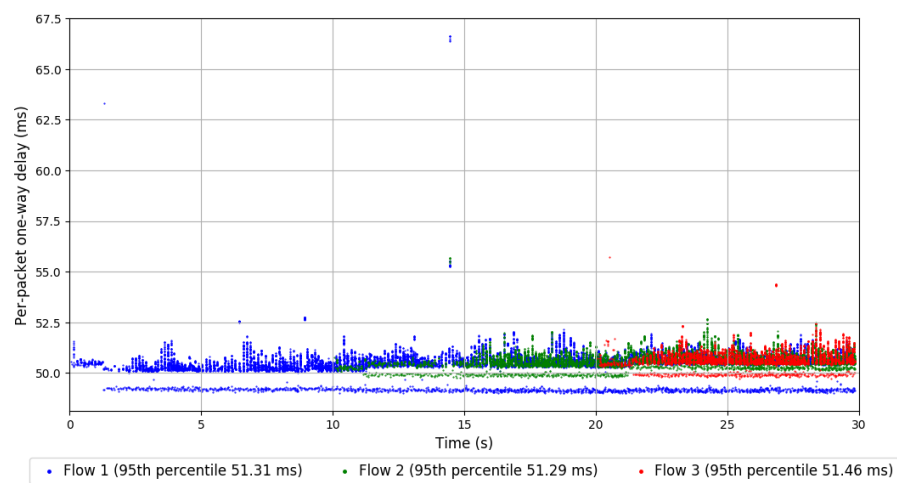
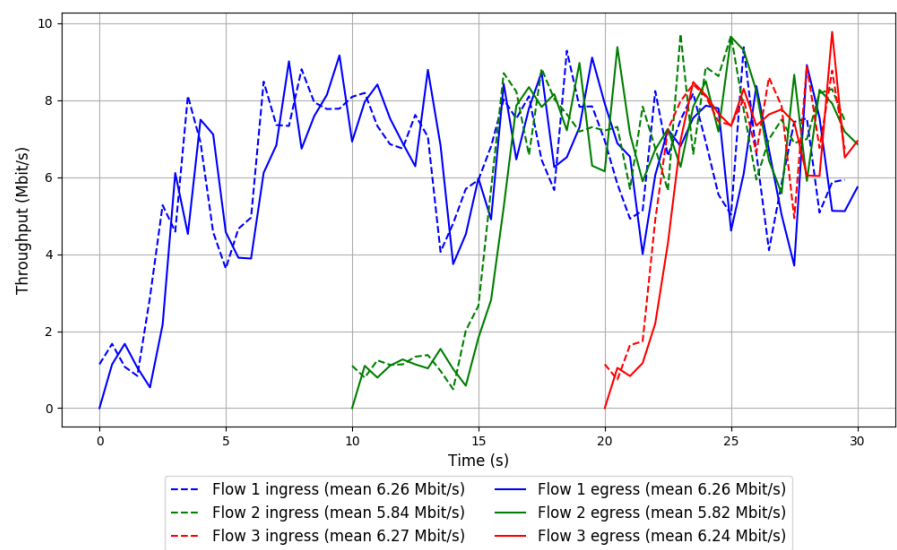


Run 6: Statistics of Sprout

Start at: 2018-07-27 10:19:09
End at: 2018-07-27 10:19:39
Local clock offset: -0.386 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 51.310 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 51.289 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 51.460 ms
Loss rate: 1.66%

Run 6: Report of Sprout — Data Link

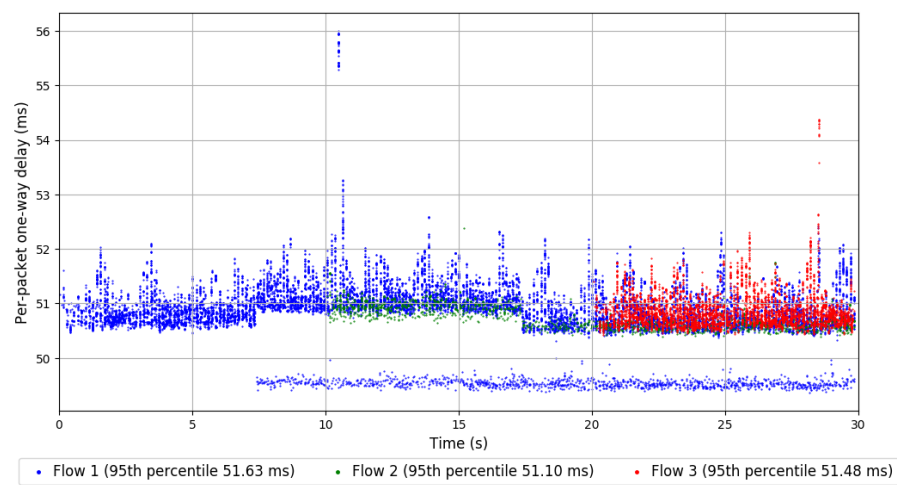
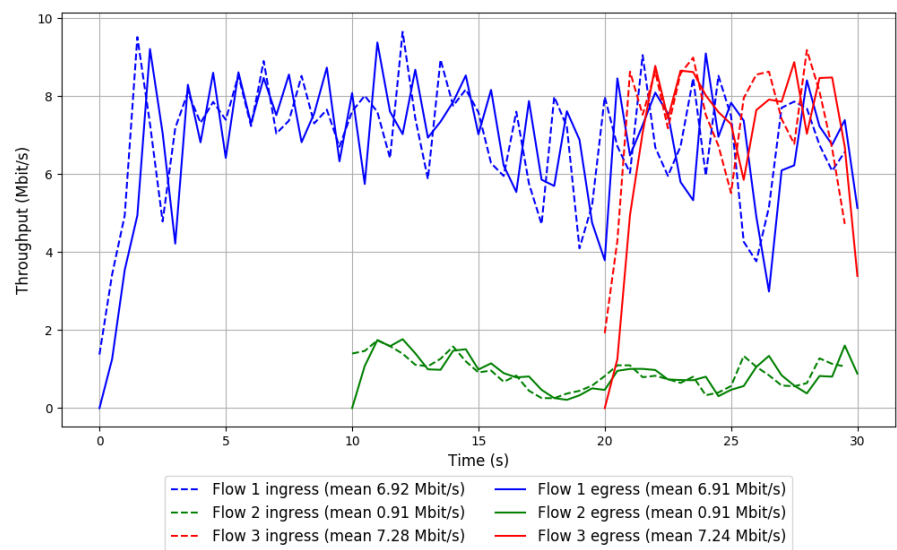


Run 7: Statistics of Sprout

Start at: 2018-07-27 10:43:13
End at: 2018-07-27 10:43:43
Local clock offset: -0.018 ms
Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 51.577 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 51.626 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.481 ms
Loss rate: 1.15%

Run 7: Report of Sprout — Data Link

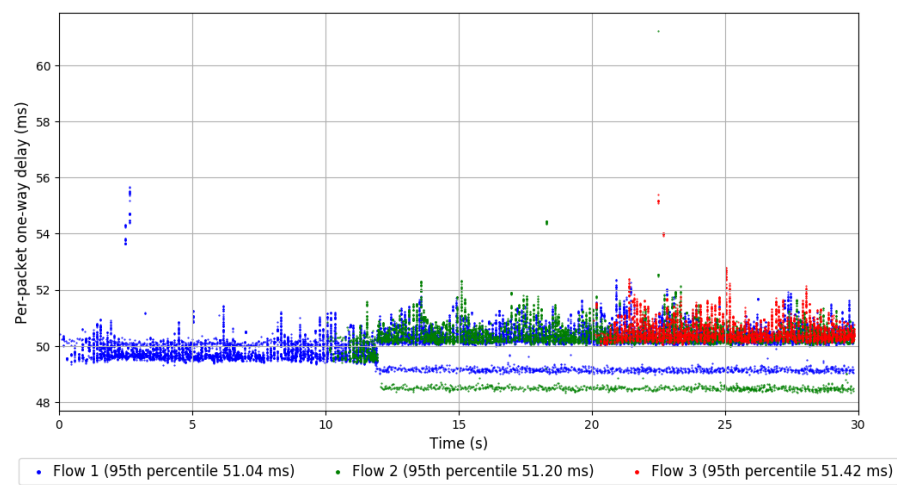
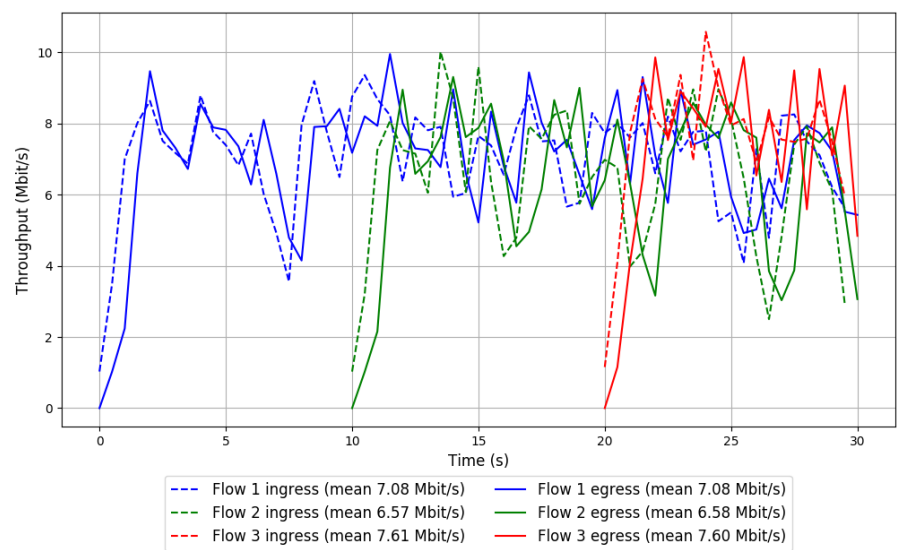


Run 8: Statistics of Sprout

Start at: 2018-07-27 11:07:18
End at: 2018-07-27 11:07:48
Local clock offset: -0.455 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 51.036 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 51.201 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 51.422 ms
Loss rate: 0.75%

Run 8: Report of Sprout — Data Link

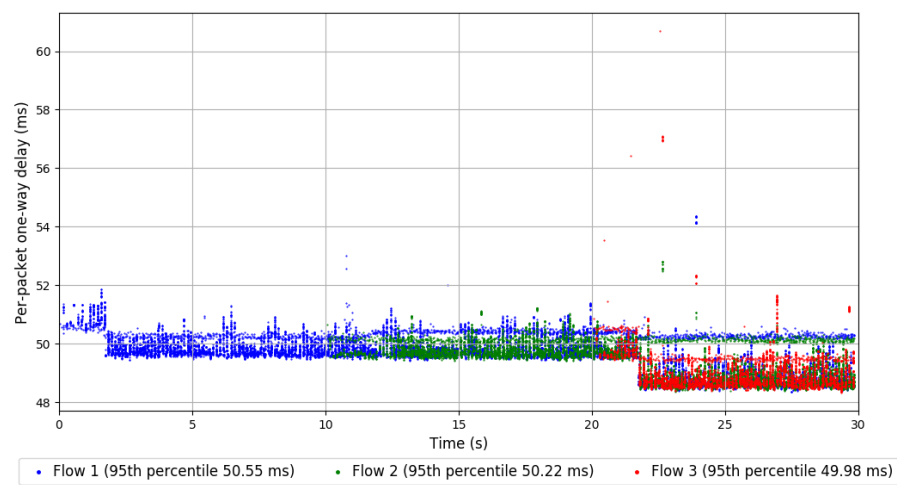
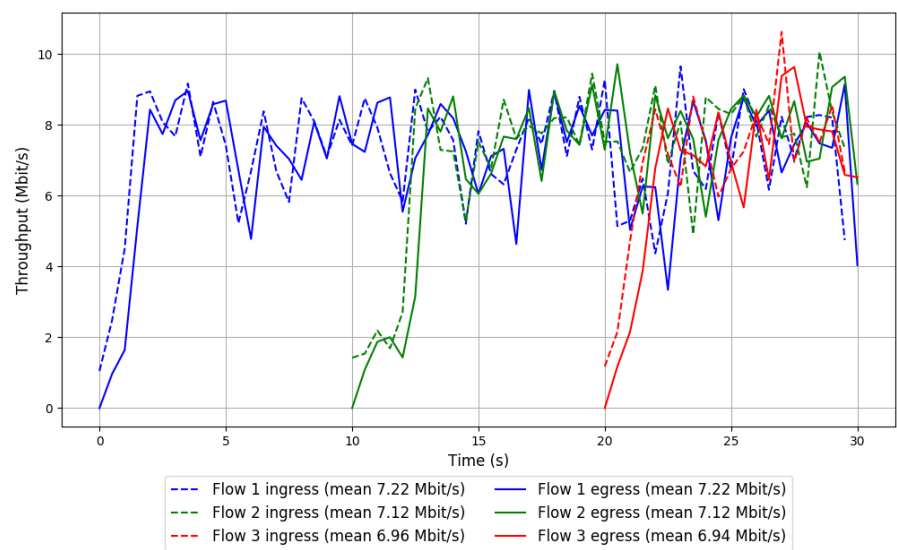


Run 9: Statistics of Sprout

Start at: 2018-07-27 11:31:28
End at: 2018-07-27 11:31:58
Local clock offset: -0.531 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 50.438 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 50.219 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 49.983 ms
Loss rate: 1.54%

Run 9: Report of Sprout — Data Link

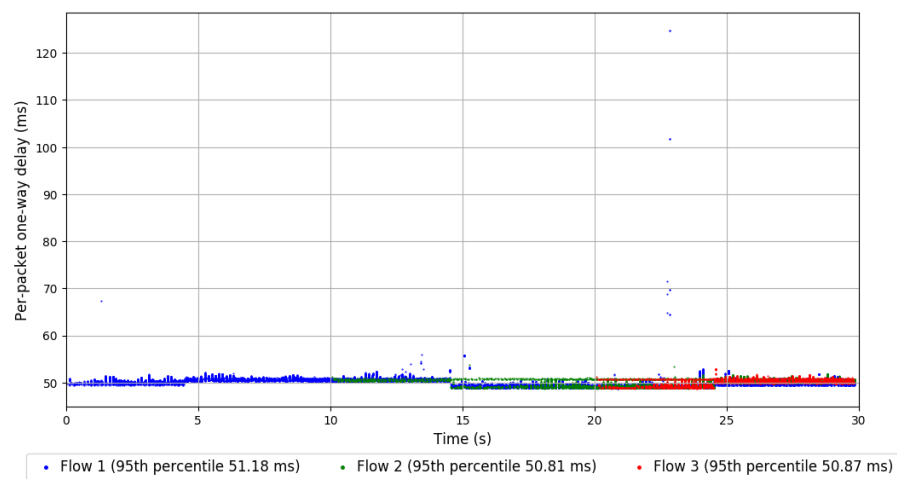
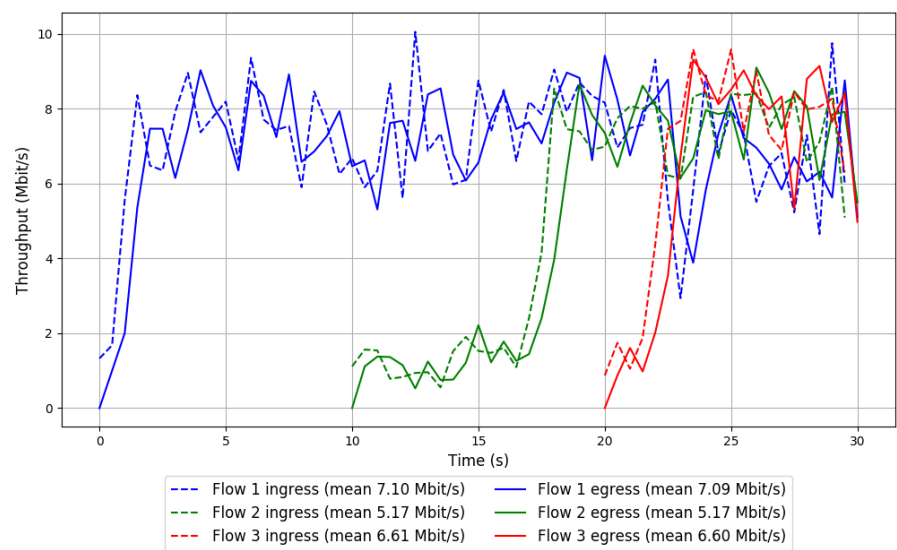


Run 10: Statistics of Sprout

Start at: 2018-07-27 11:55:46
End at: 2018-07-27 11:56:16
Local clock offset: -0.113 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-07-27 14:29:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 51.033 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 51.179 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 50.813 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 50.872 ms
Loss rate: 1.45%

Run 10: Report of Sprout — Data Link

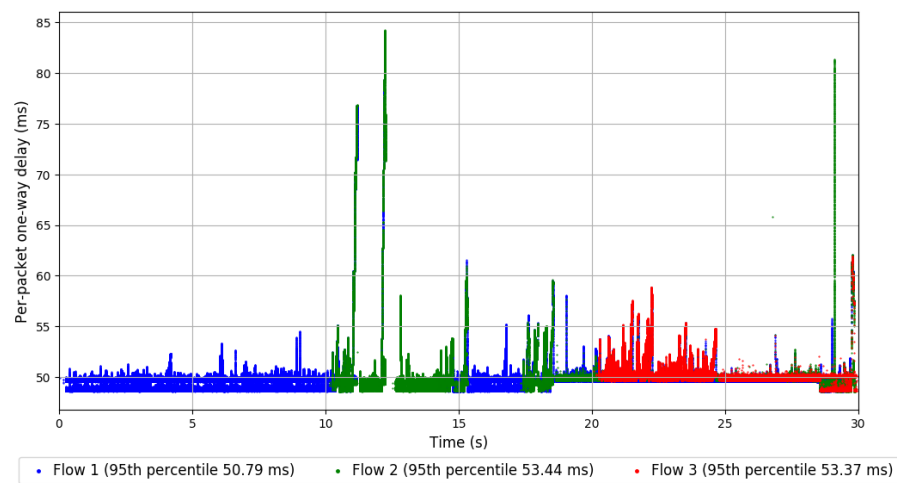
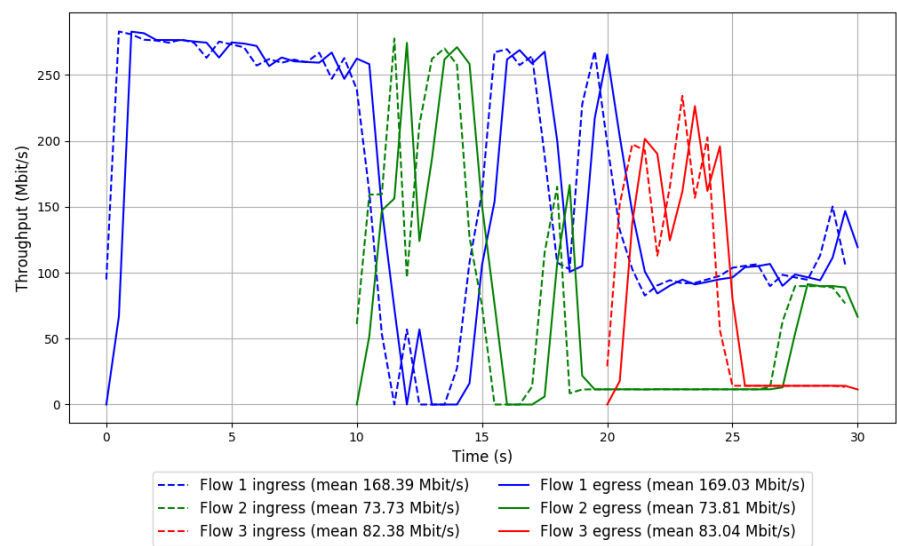


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-27 08:23:32
End at: 2018-07-27 08:24:02
Local clock offset: -0.143 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-27 14:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.27 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 169.03 Mbit/s
95th percentile per-packet one-way delay: 50.788 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 73.81 Mbit/s
95th percentile per-packet one-way delay: 53.440 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 53.367 ms
Loss rate: 0.21%

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

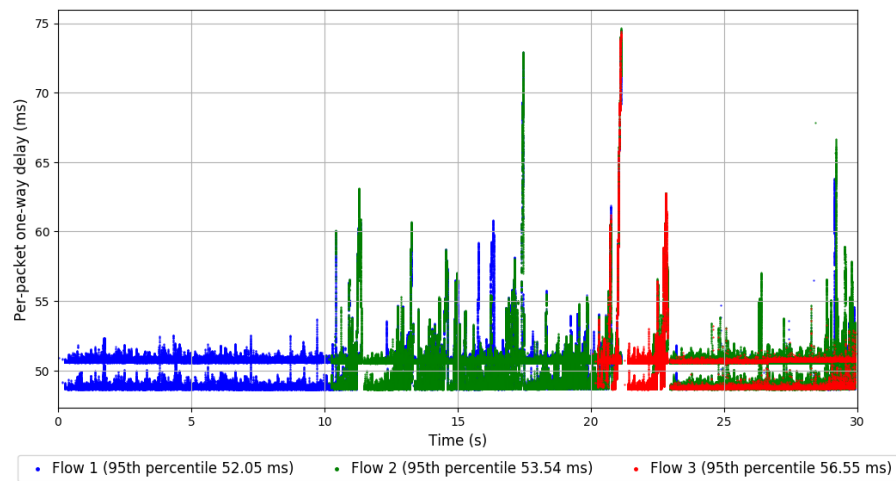
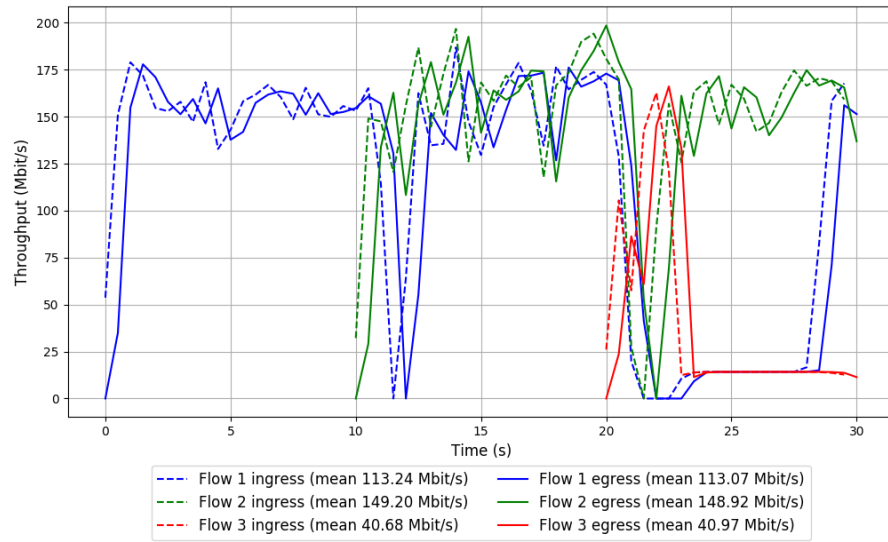


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-27 08:47:44
End at: 2018-07-27 08:48:14
Local clock offset: 0.041 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 14:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.63 Mbit/s
95th percentile per-packet one-way delay: 52.941 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 113.07 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 148.92 Mbit/s
95th percentile per-packet one-way delay: 53.536 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 56.552 ms
Loss rate: 0.33%

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

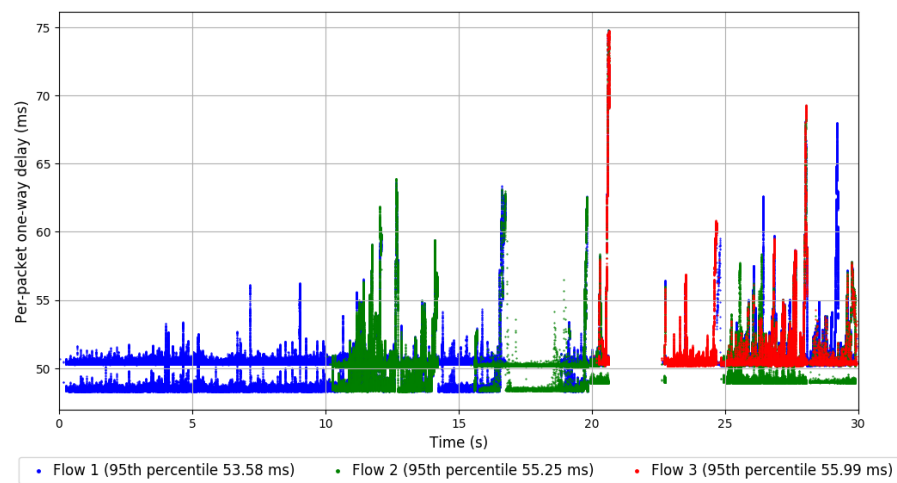
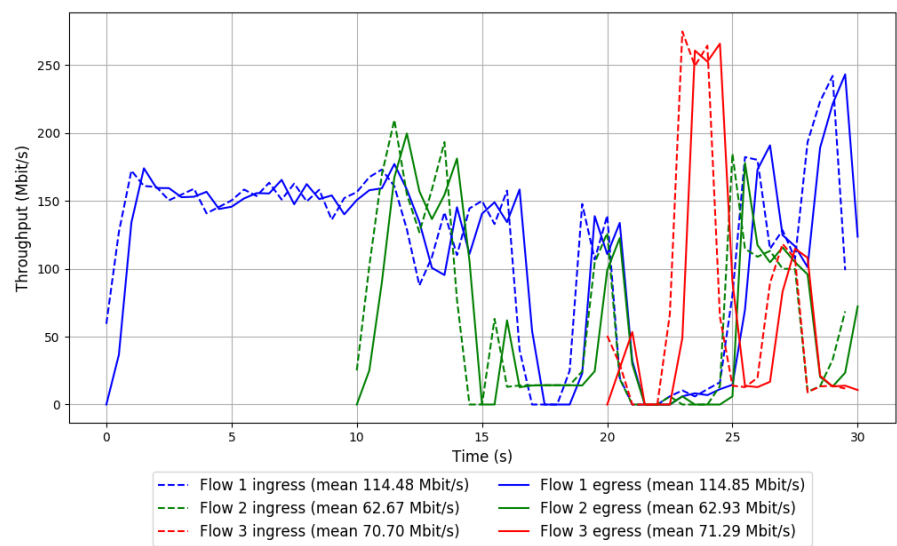


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-27 09:11:50
End at: 2018-07-27 09:12:20
Local clock offset: -0.416 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-27 14:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.15 Mbit/s
95th percentile per-packet one-way delay: 54.239 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 114.85 Mbit/s
95th percentile per-packet one-way delay: 53.580 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 55.250 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 55.989 ms
Loss rate: 0.18%

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

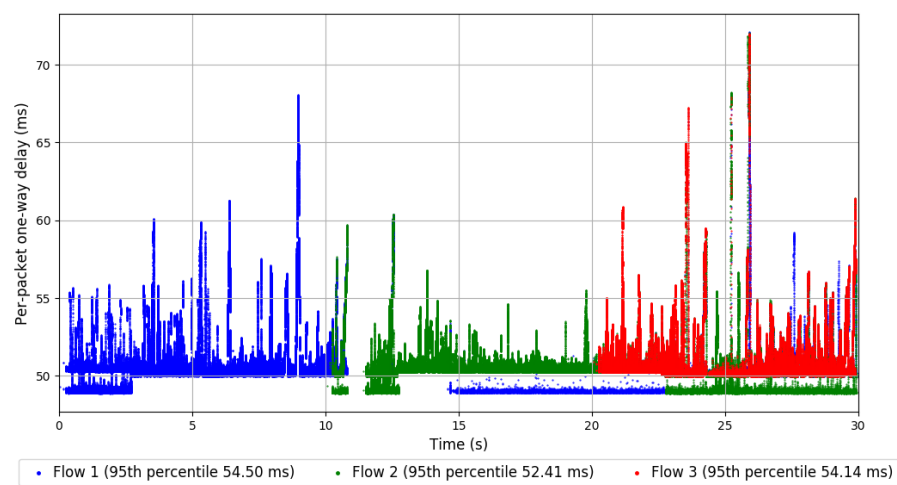
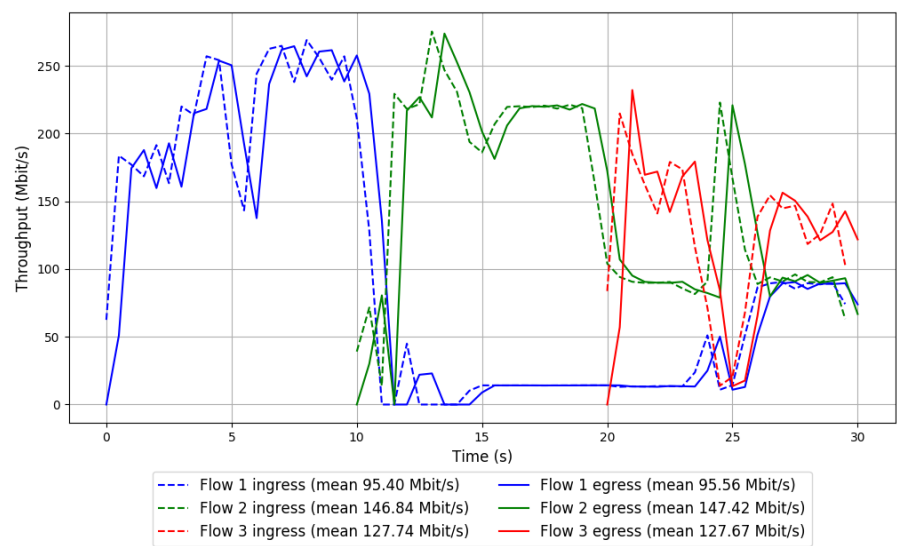


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-27 09:35:57
End at: 2018-07-27 09:36:28
Local clock offset: -0.45 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-27 14:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.61 Mbit/s
95th percentile per-packet one-way delay: 53.556 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 54.501 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 147.42 Mbit/s
95th percentile per-packet one-way delay: 52.412 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 127.67 Mbit/s
95th percentile per-packet one-way delay: 54.141 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-27 09:59:57

End at: 2018-07-27 10:00:27

Local clock offset: -0.136 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-27 14:37:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.50 Mbit/s

95th percentile per-packet one-way delay: 54.688 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 125.13 Mbit/s

95th percentile per-packet one-way delay: 53.239 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 124.53 Mbit/s

95th percentile per-packet one-way delay: 55.644 ms

Loss rate: 0.88%

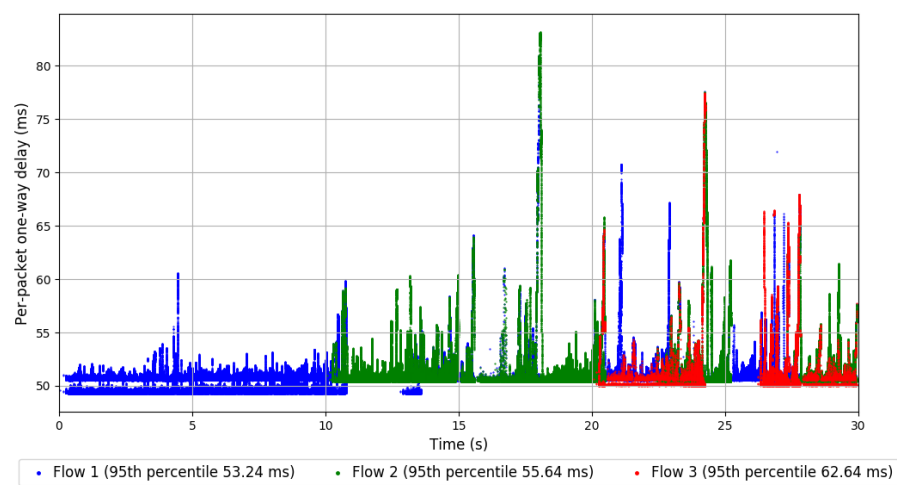
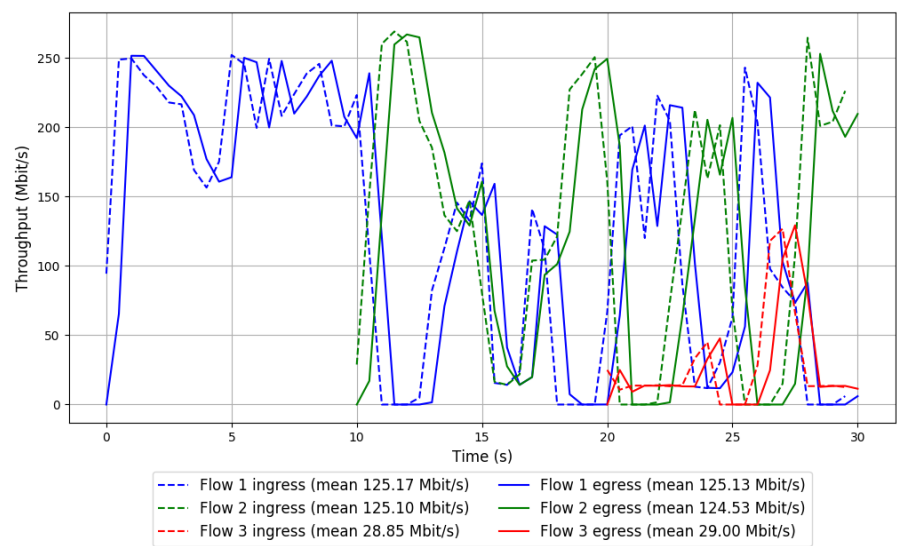
-- Flow 3:

Average throughput: 29.00 Mbit/s

95th percentile per-packet one-way delay: 62.637 ms

Loss rate: 0.46%

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

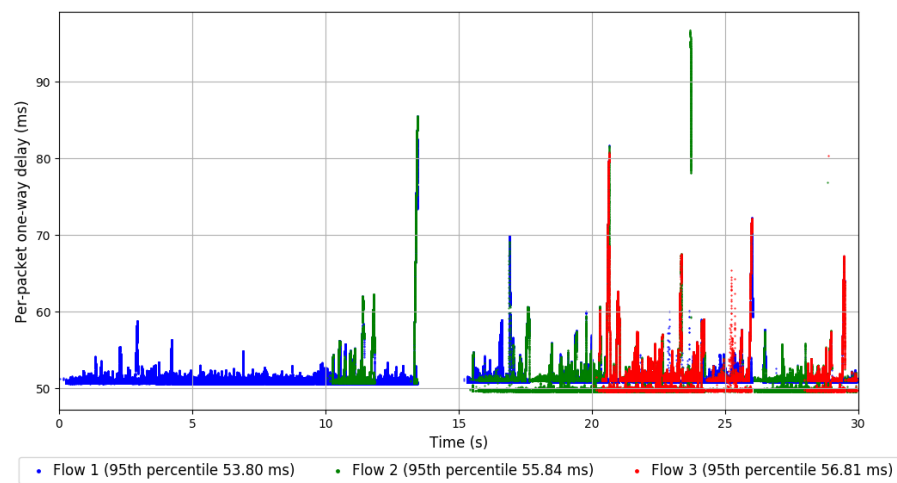
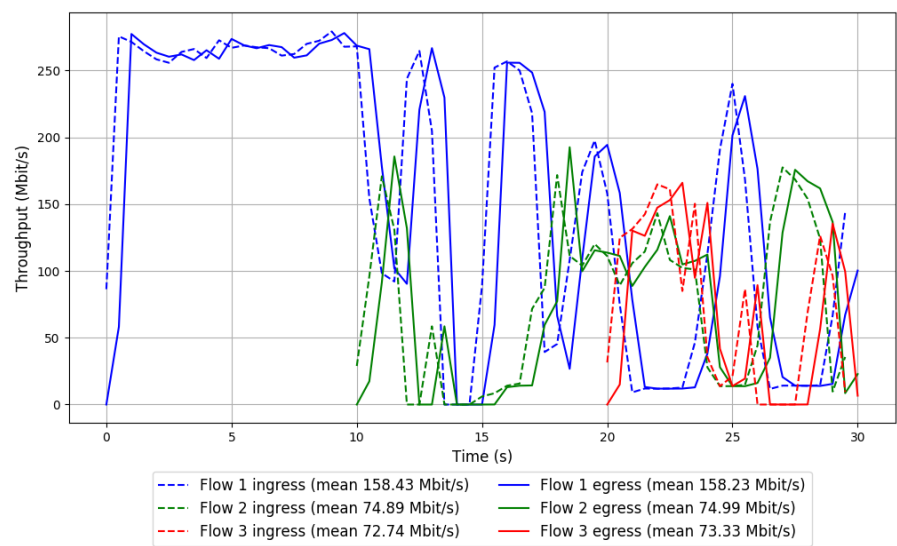


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-27 10:24:06
End at: 2018-07-27 10:24:36
Local clock offset: 0.315 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-27 14:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.25 Mbit/s
95th percentile per-packet one-way delay: 54.617 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 158.23 Mbit/s
95th percentile per-packet one-way delay: 53.798 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 55.841 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 56.812 ms
Loss rate: 0.19%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-27 10:48:09

End at: 2018-07-27 10:48:39

Local clock offset: 0.287 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-27 14:37:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 197.91 Mbit/s

95th percentile per-packet one-way delay: 54.262 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 121.70 Mbit/s

95th percentile per-packet one-way delay: 52.855 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 78.64 Mbit/s

95th percentile per-packet one-way delay: 56.278 ms

Loss rate: 0.00%

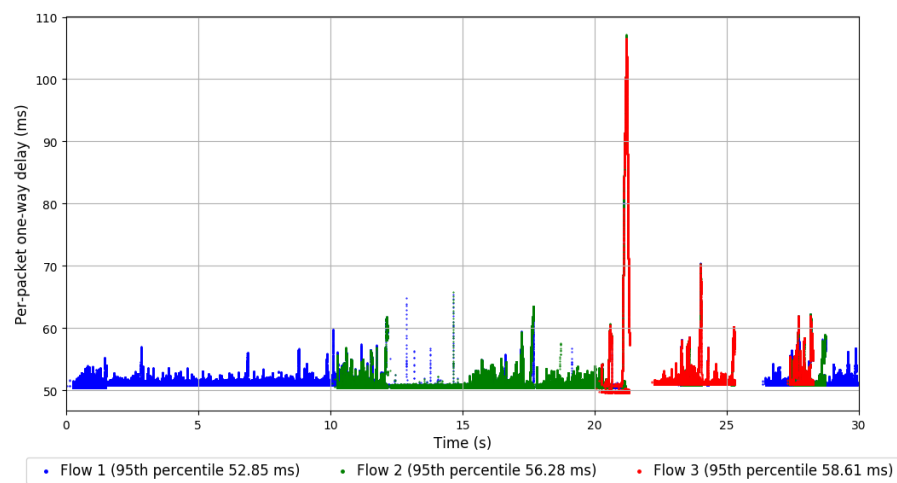
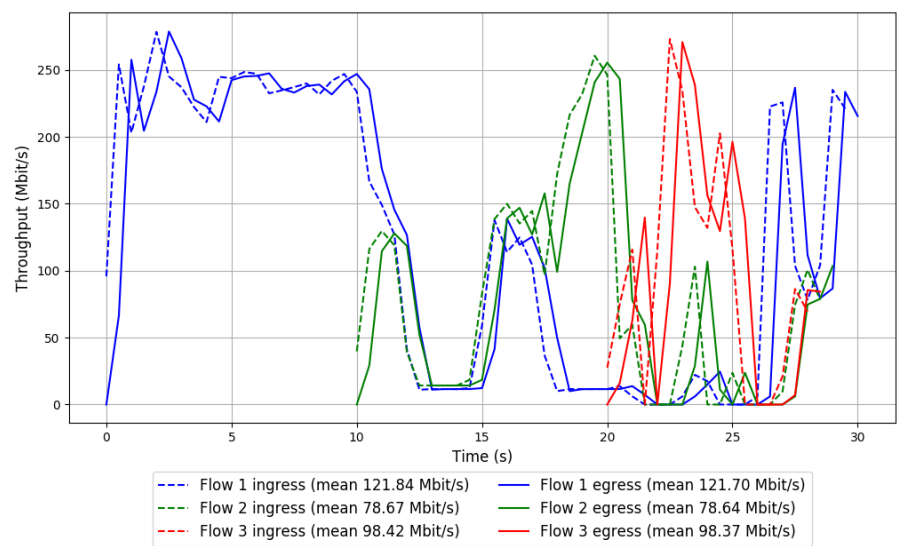
-- Flow 3:

Average throughput: 98.37 Mbit/s

95th percentile per-packet one-way delay: 58.612 ms

Loss rate: 0.00%

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

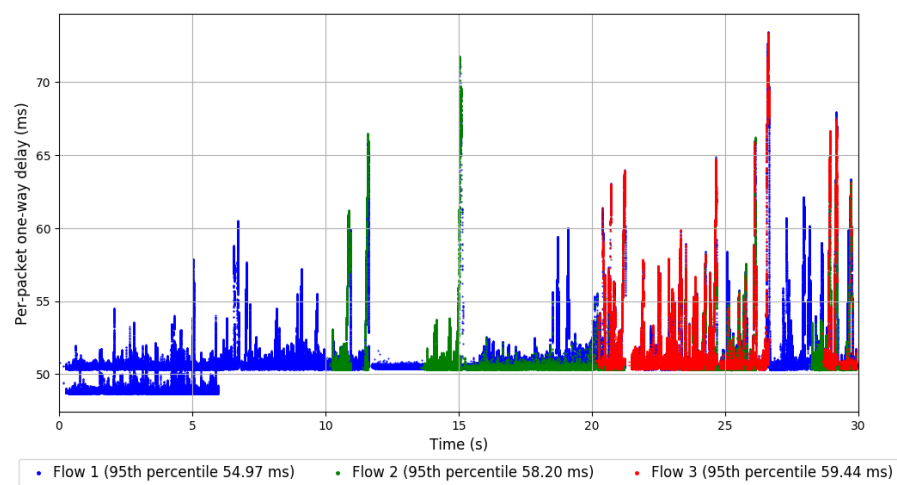
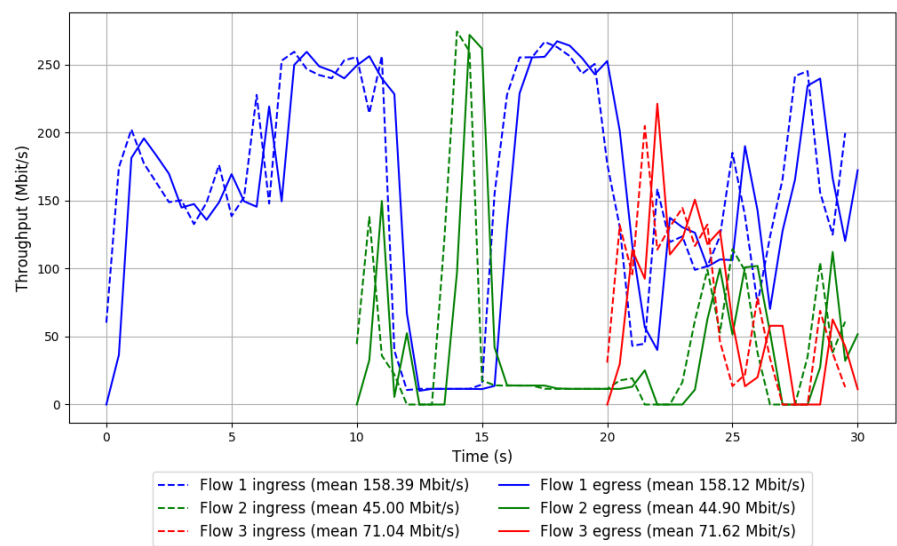


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-27 11:12:14
End at: 2018-07-27 11:12:44
Local clock offset: -0.055 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-27 14:37:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.58 Mbit/s
95th percentile per-packet one-way delay: 55.933 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 158.12 Mbit/s
95th percentile per-packet one-way delay: 54.968 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 58.201 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 59.441 ms
Loss rate: 0.20%

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

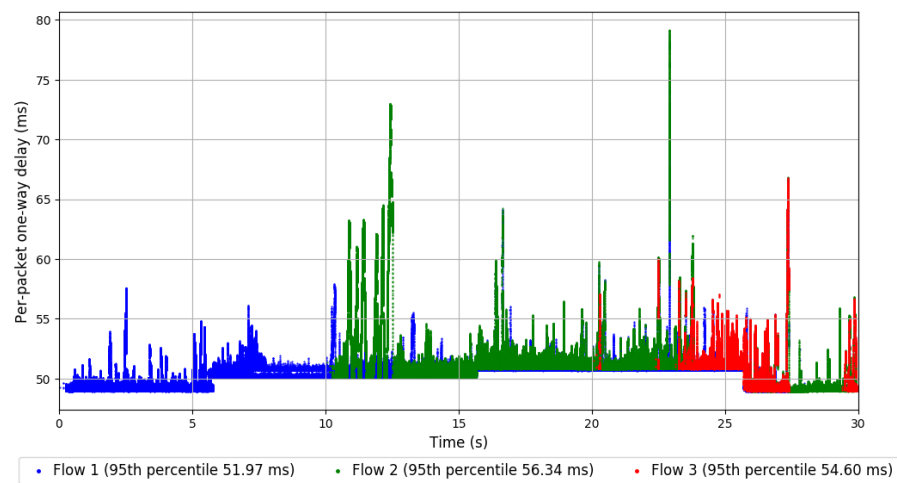
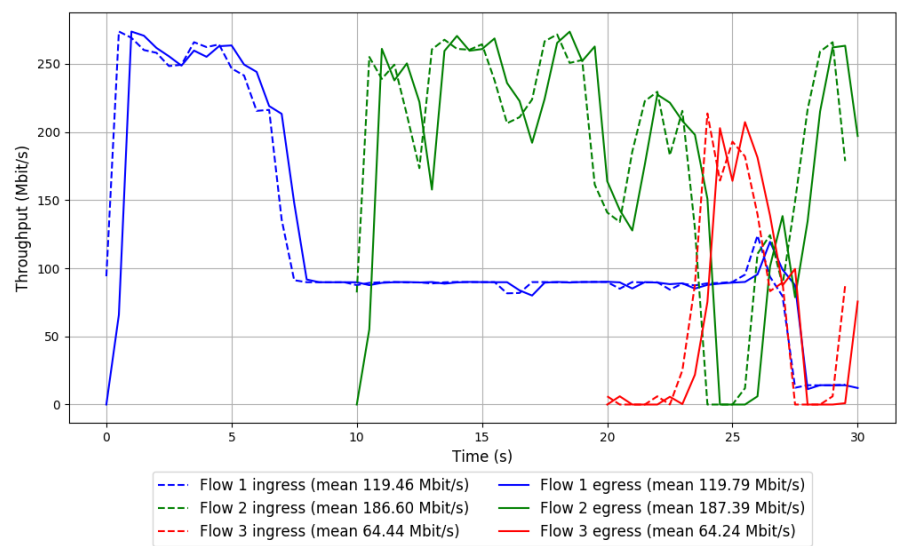


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-27 11:36:25
End at: 2018-07-27 11:36:55
Local clock offset: 0.204 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-27 14:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.56 Mbit/s
95th percentile per-packet one-way delay: 53.870 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 119.79 Mbit/s
95th percentile per-packet one-way delay: 51.966 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 187.39 Mbit/s
95th percentile per-packet one-way delay: 56.335 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 54.598 ms
Loss rate: 1.32%

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

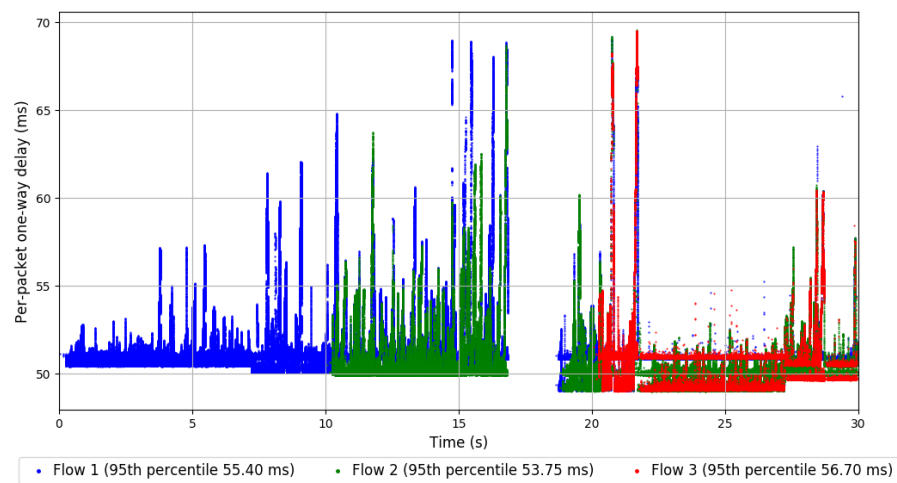
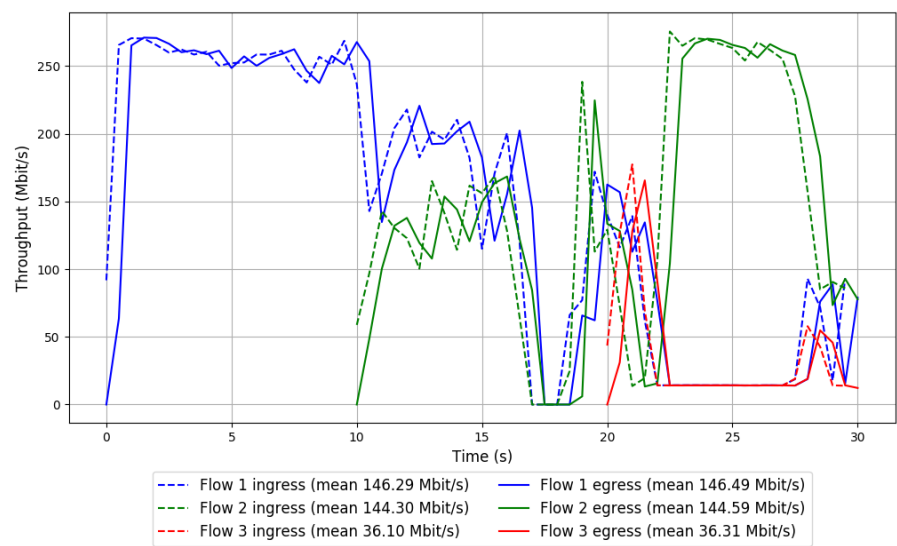


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-27 12:00:43
End at: 2018-07-27 12:01:13
Local clock offset: 0.245 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-27 14:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.65 Mbit/s
95th percentile per-packet one-way delay: 54.833 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 146.49 Mbit/s
95th percentile per-packet one-way delay: 55.403 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 144.59 Mbit/s
95th percentile per-packet one-way delay: 53.754 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 56.699 ms
Loss rate: 0.42%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-27 08:10:47

End at: 2018-07-27 08:11:17

Local clock offset: -0.514 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-27 14:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.27 Mbit/s

95th percentile per-packet one-way delay: 59.896 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 78.61 Mbit/s

95th percentile per-packet one-way delay: 57.591 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 59.358 ms

Loss rate: 0.48%

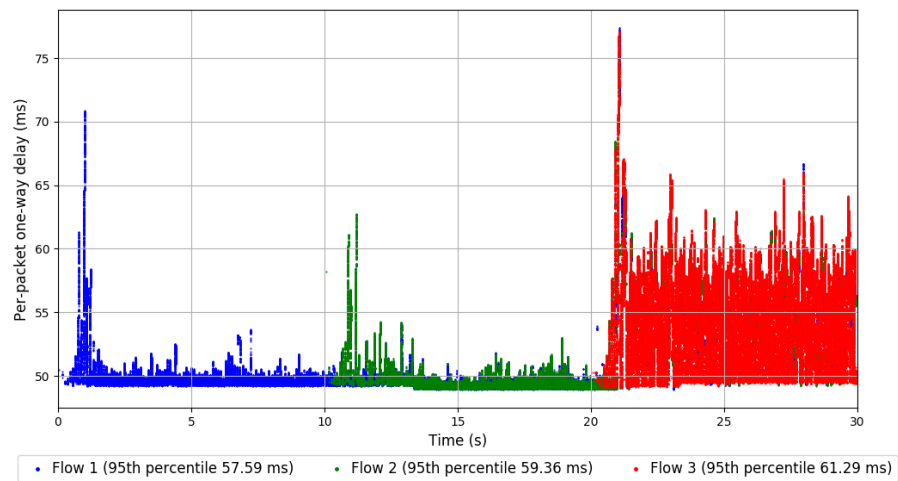
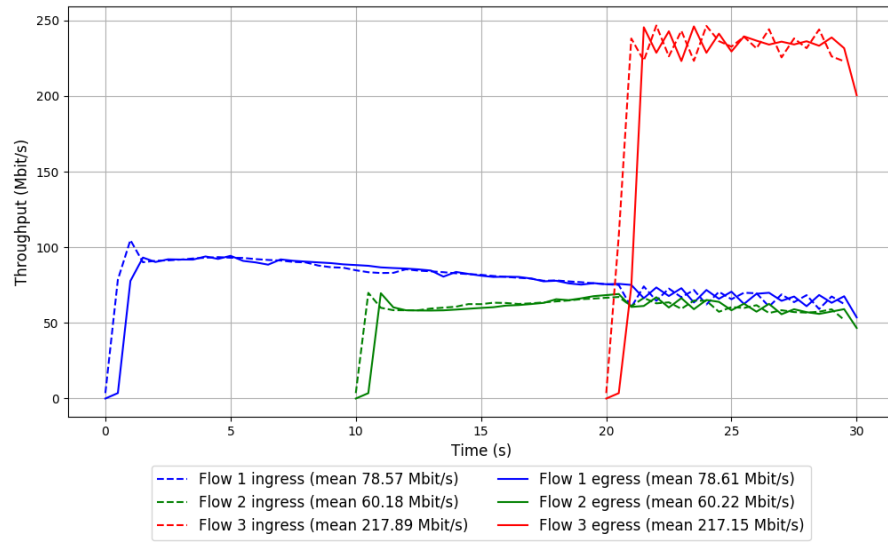
-- Flow 3:

Average throughput: 217.15 Mbit/s

95th percentile per-packet one-way delay: 61.288 ms

Loss rate: 1.09%

Run 1: Report of TCP Vegas — Data Link

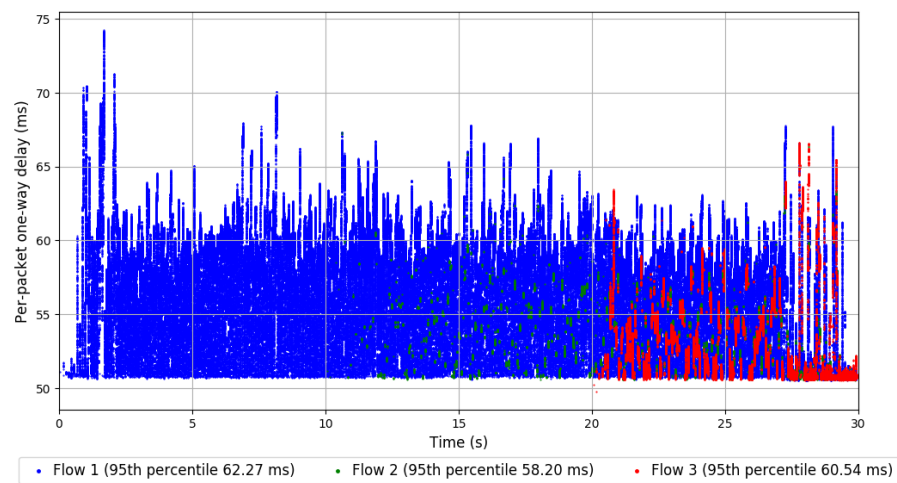
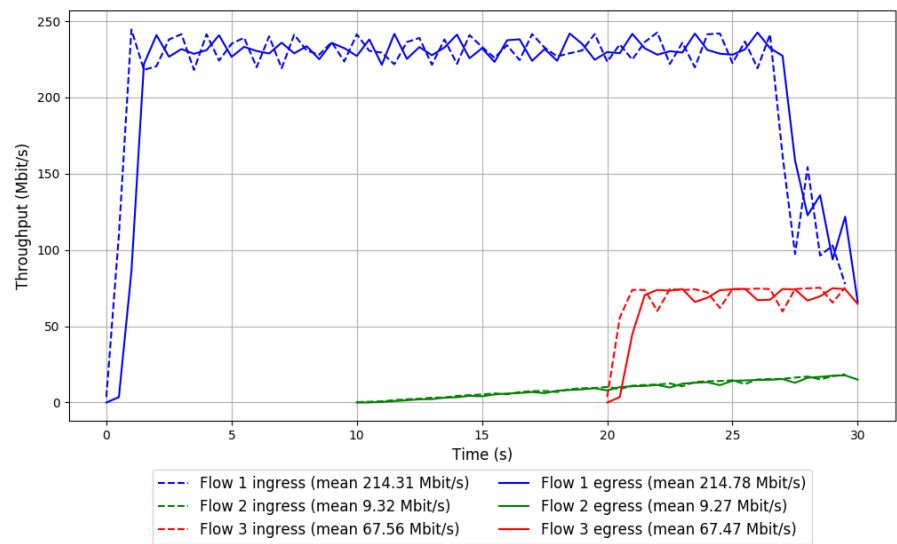


Run 2: Statistics of TCP Vegas

Start at: 2018-07-27 08:34:53
End at: 2018-07-27 08:35:23
Local clock offset: -0.027 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-27 14:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.08 Mbit/s
95th percentile per-packet one-way delay: 62.190 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 214.78 Mbit/s
95th percentile per-packet one-way delay: 62.266 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 58.198 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 67.47 Mbit/s
95th percentile per-packet one-way delay: 60.538 ms
Loss rate: 1.14%

Run 2: Report of TCP Vegas — Data Link

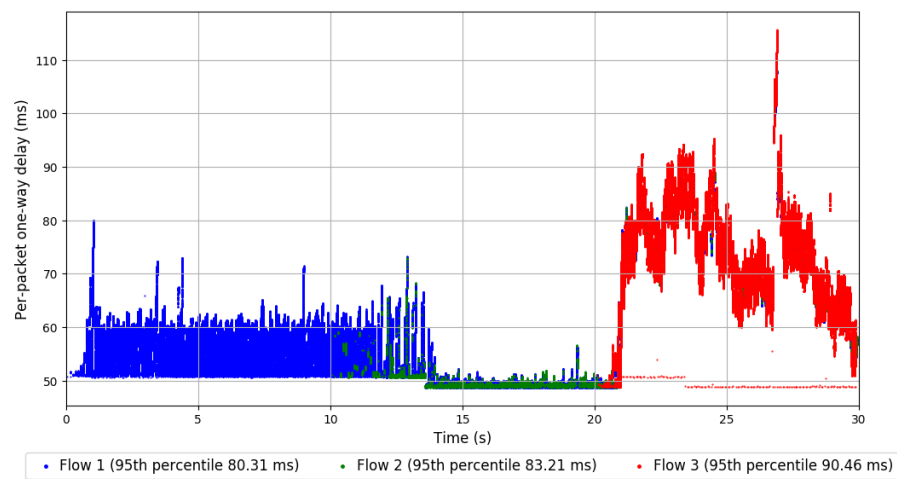
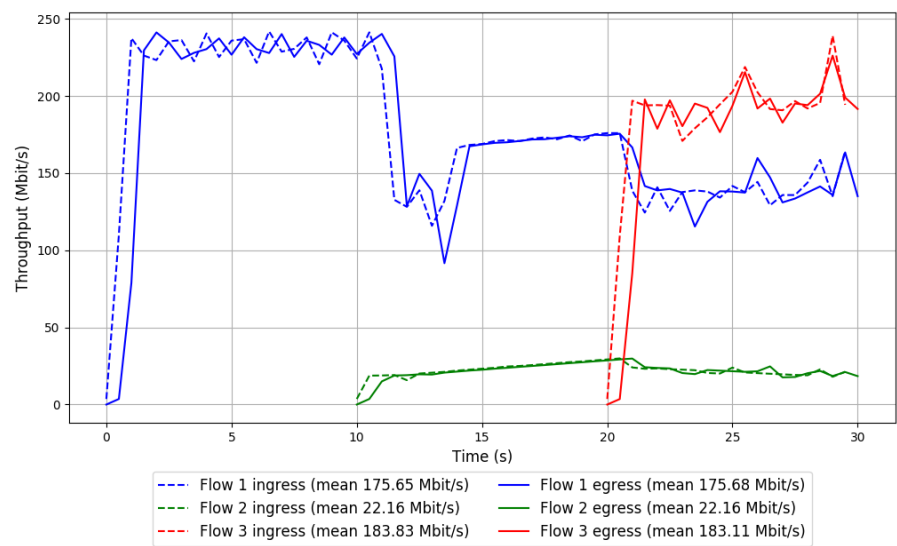


Run 3: Statistics of TCP Vegas

Start at: 2018-07-27 08:58:57
End at: 2018-07-27 08:59:27
Local clock offset: 0.03 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-27 14:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.59 Mbit/s
95th percentile per-packet one-way delay: 84.659 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 175.68 Mbit/s
95th percentile per-packet one-way delay: 80.313 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 22.16 Mbit/s
95th percentile per-packet one-way delay: 83.211 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 183.11 Mbit/s
95th percentile per-packet one-way delay: 90.456 ms
Loss rate: 1.36%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-27 09:23:07

End at: 2018-07-27 09:23:37

Local clock offset: -0.033 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-27 14:45:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.47 Mbit/s

95th percentile per-packet one-way delay: 62.570 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 47.52 Mbit/s

95th percentile per-packet one-way delay: 59.223 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 192.89 Mbit/s

95th percentile per-packet one-way delay: 63.027 ms

Loss rate: 0.21%

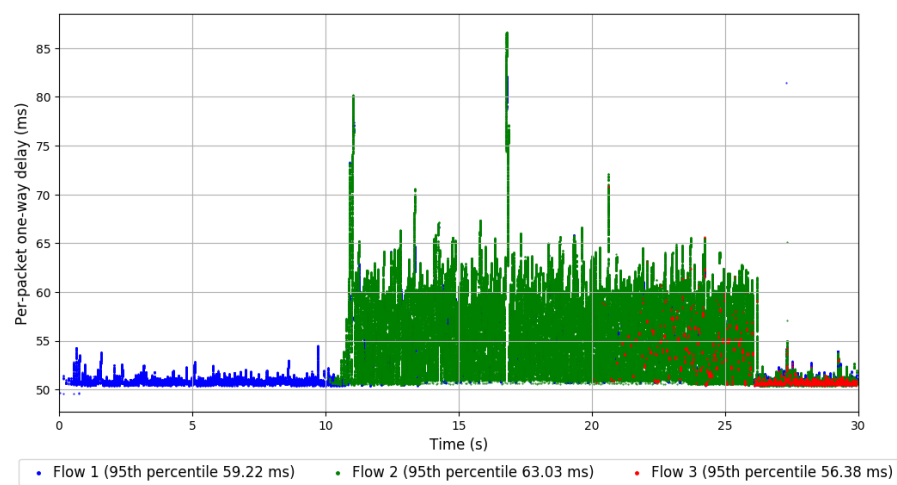
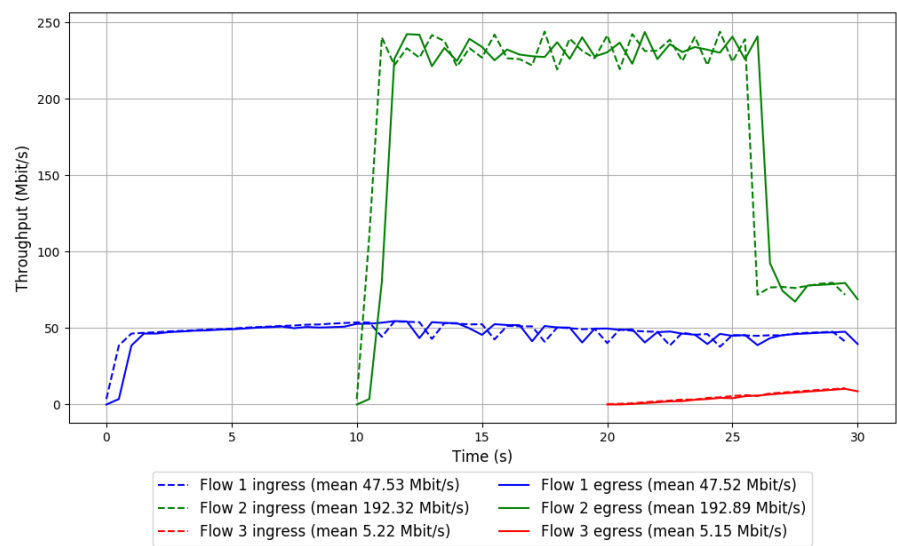
-- Flow 3:

Average throughput: 5.15 Mbit/s

95th percentile per-packet one-way delay: 56.379 ms

Loss rate: 2.36%

Run 4: Report of TCP Vegas — Data Link

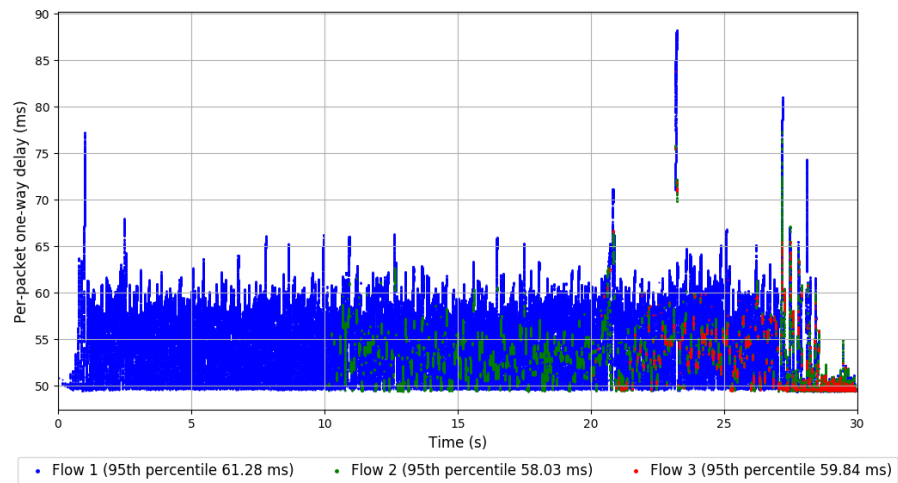
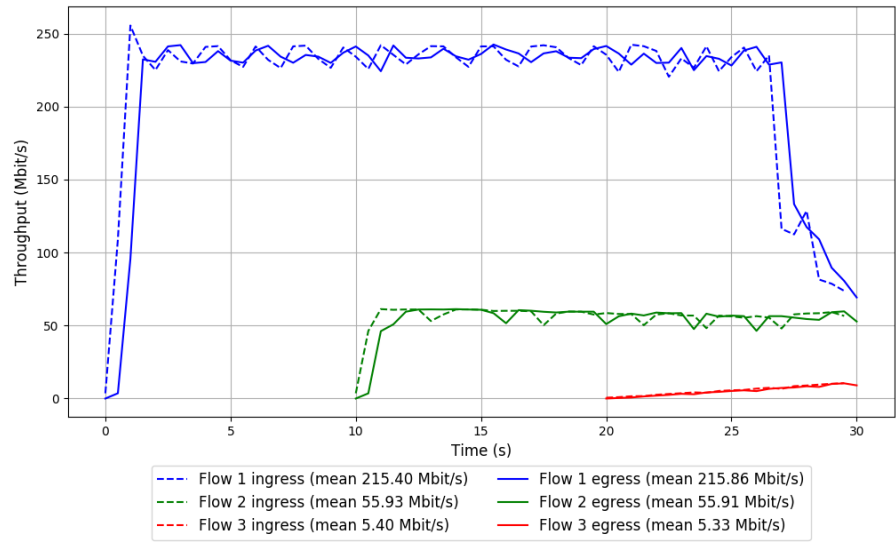


Run 5: Statistics of TCP Vegas

Start at: 2018-07-27 09:47:00
End at: 2018-07-27 09:47:30
Local clock offset: -0.037 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-27 14:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.80 Mbit/s
95th percentile per-packet one-way delay: 61.127 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 215.86 Mbit/s
95th percentile per-packet one-way delay: 61.278 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 58.034 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 59.845 ms
Loss rate: 2.23%

Run 5: Report of TCP Vegas — Data Link

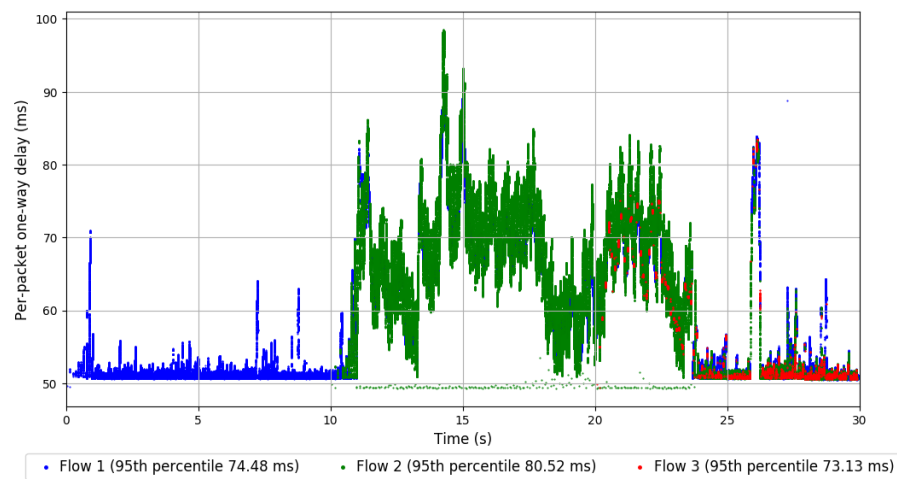
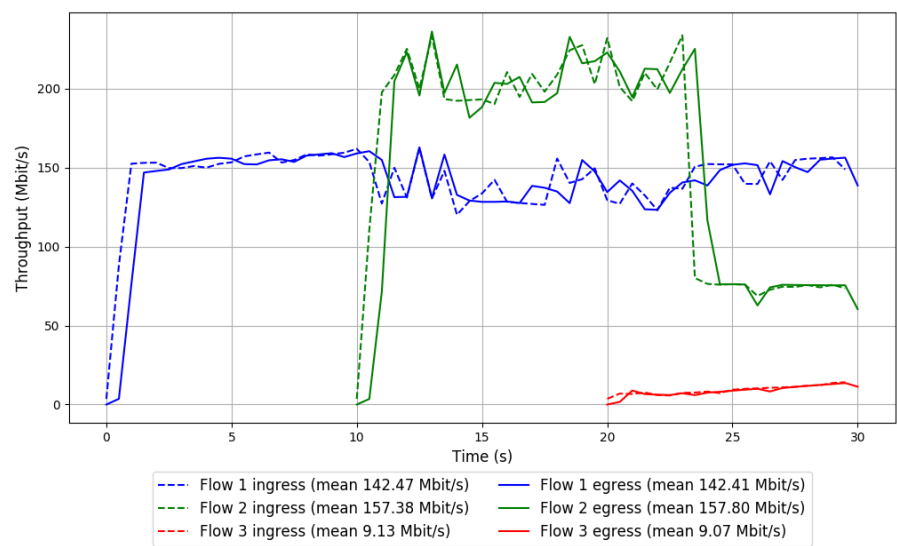


Run 6: Statistics of TCP Vegas

Start at: 2018-07-27 10:11:12
End at: 2018-07-27 10:11:42
Local clock offset: -0.108 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-27 14:45:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.18 Mbit/s
95th percentile per-packet one-way delay: 78.400 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 142.41 Mbit/s
95th percentile per-packet one-way delay: 74.479 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 157.80 Mbit/s
95th percentile per-packet one-way delay: 80.516 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 73.130 ms
Loss rate: 1.59%

Run 6: Report of TCP Vegas — Data Link

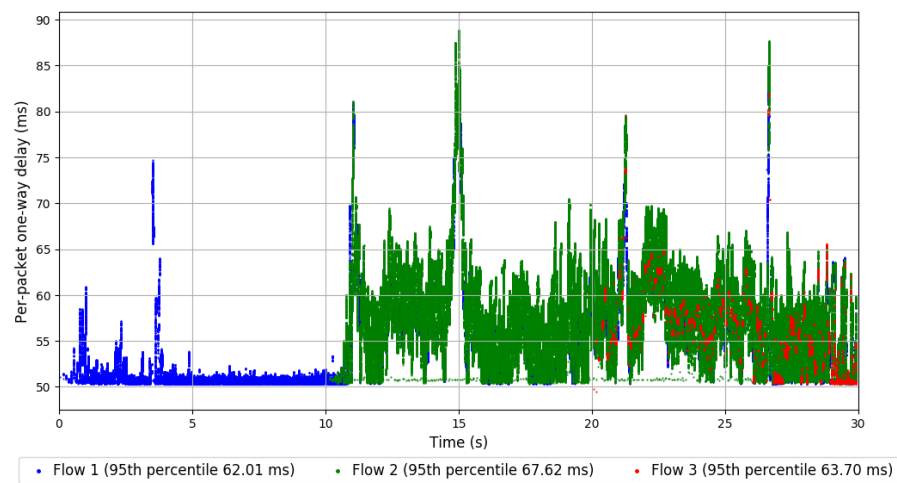
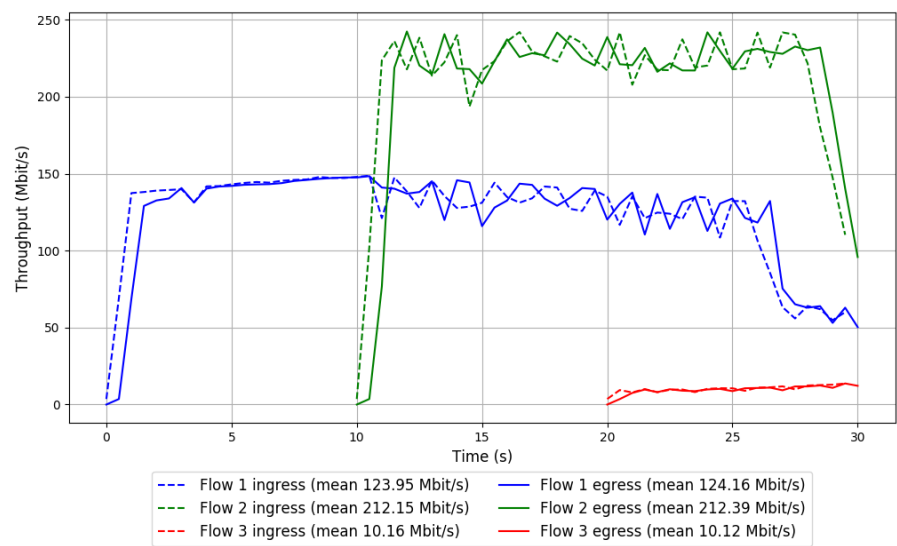


Run 7: Statistics of TCP Vegas

Start at: 2018-07-27 10:35:20
End at: 2018-07-27 10:35:50
Local clock offset: -0.06 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-27 14:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.69 Mbit/s
95th percentile per-packet one-way delay: 66.231 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 124.16 Mbit/s
95th percentile per-packet one-way delay: 62.014 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 212.39 Mbit/s
95th percentile per-packet one-way delay: 67.616 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 63.698 ms
Loss rate: 1.38%

Run 7: Report of TCP Vegas — Data Link

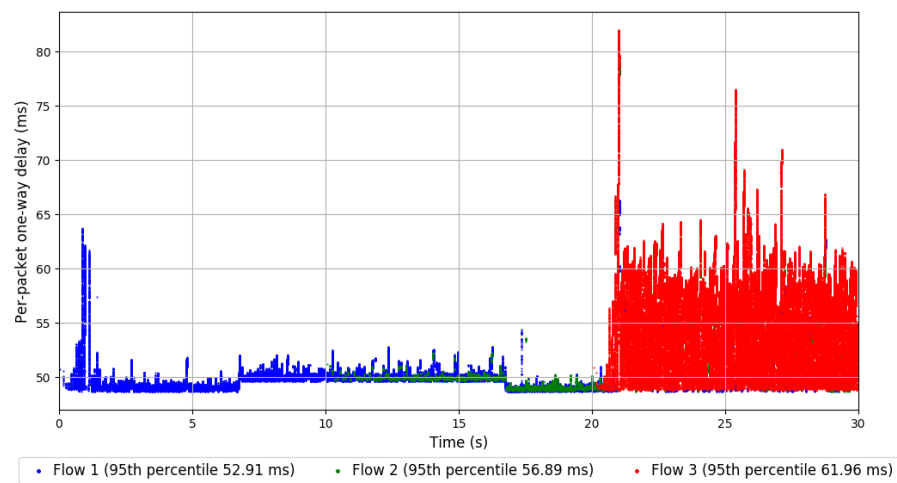
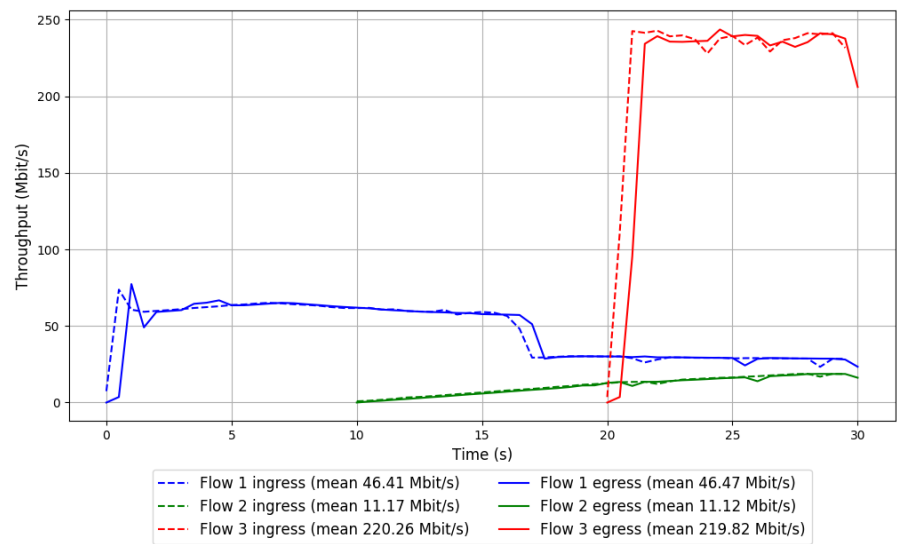


Run 8: Statistics of TCP Vegas

Start at: 2018-07-27 10:59:24
End at: 2018-07-27 10:59:54
Local clock offset: -0.038 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-27 14:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.44 Mbit/s
95th percentile per-packet one-way delay: 60.909 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 46.47 Mbit/s
95th percentile per-packet one-way delay: 52.913 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 56.886 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 219.82 Mbit/s
95th percentile per-packet one-way delay: 61.958 ms
Loss rate: 1.21%

Run 8: Report of TCP Vegas — Data Link

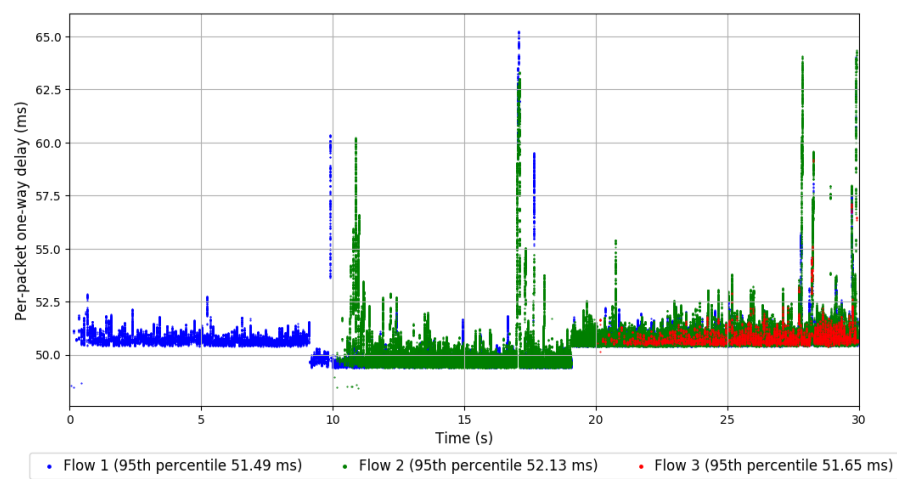
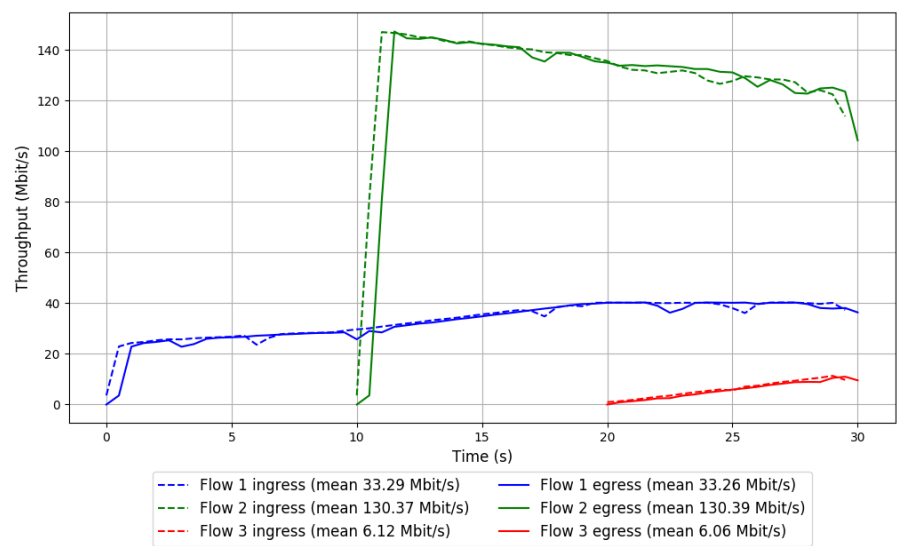


Run 9: Statistics of TCP Vegas

Start at: 2018-07-27 11:23:31
End at: 2018-07-27 11:24:01
Local clock offset: -0.494 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-27 14:45:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.99 Mbit/s
95th percentile per-packet one-way delay: 51.905 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 51.494 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 130.39 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 51.652 ms
Loss rate: 2.03%

Run 9: Report of TCP Vegas — Data Link

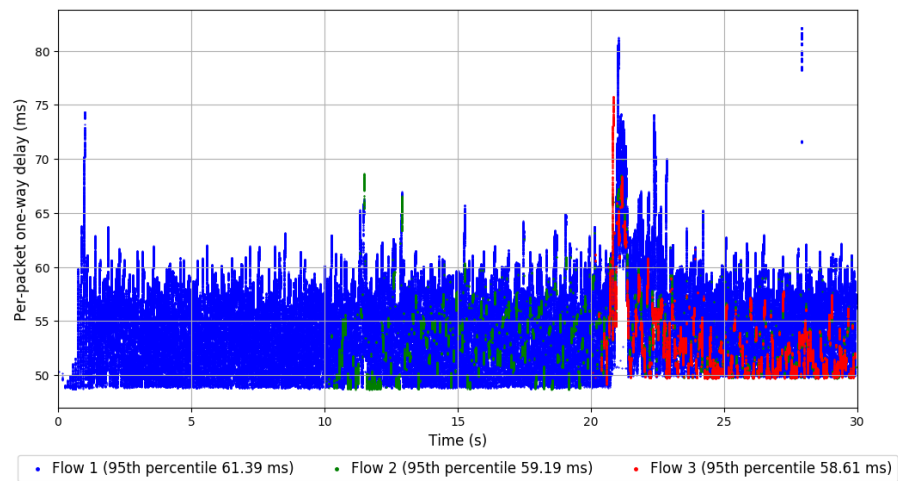
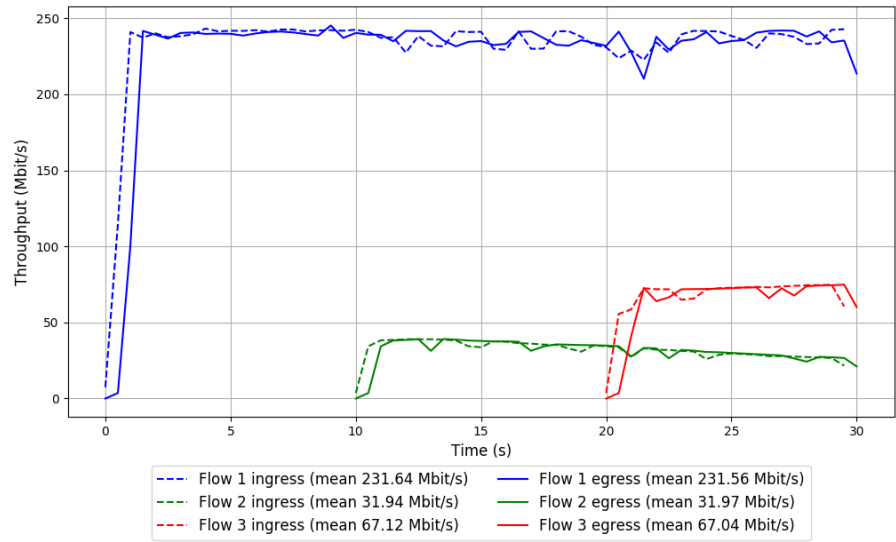


Run 10: Statistics of TCP Vegas

Start at: 2018-07-27 11:47:50
End at: 2018-07-27 11:48:20
Local clock offset: -0.161 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-27 14:47:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 274.87 Mbit/s
95th percentile per-packet one-way delay: 61.269 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 231.56 Mbit/s
95th percentile per-packet one-way delay: 61.391 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 59.187 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 67.04 Mbit/s
95th percentile per-packet one-way delay: 58.611 ms
Loss rate: 1.13%

Run 10: Report of TCP Vegas — Data Link

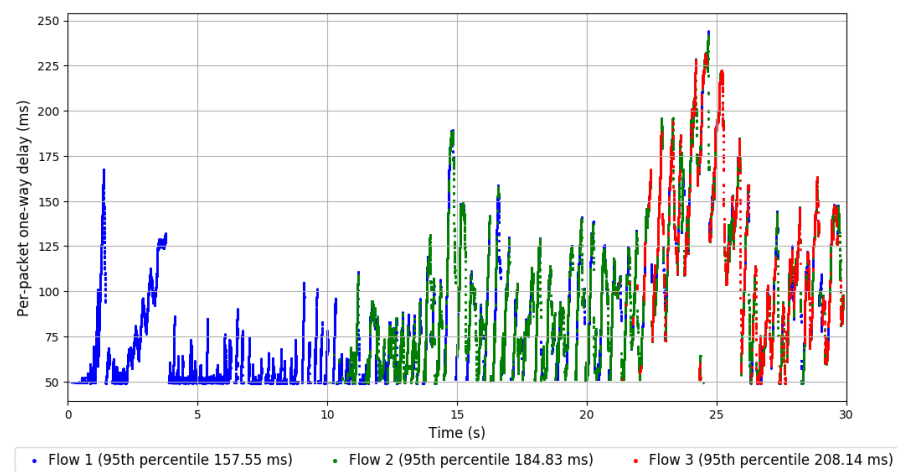
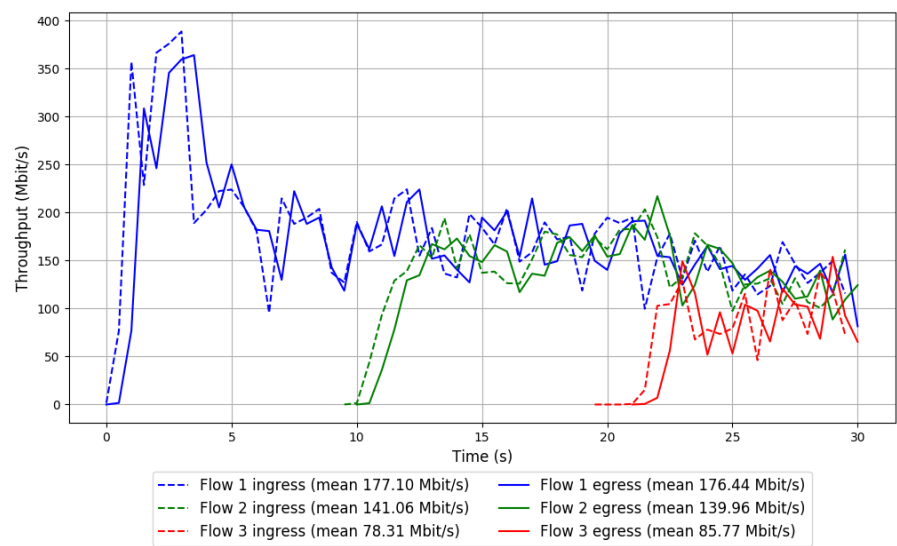


Run 1: Statistics of Verus

Start at: 2018-07-27 08:20:56
End at: 2018-07-27 08:21:26
Local clock offset: 0.21 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-27 14:48:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.76 Mbit/s
95th percentile per-packet one-way delay: 176.568 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 157.553 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 139.96 Mbit/s
95th percentile per-packet one-way delay: 184.833 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 85.77 Mbit/s
95th percentile per-packet one-way delay: 208.140 ms
Loss rate: 3.18%

Run 1: Report of Verus — Data Link

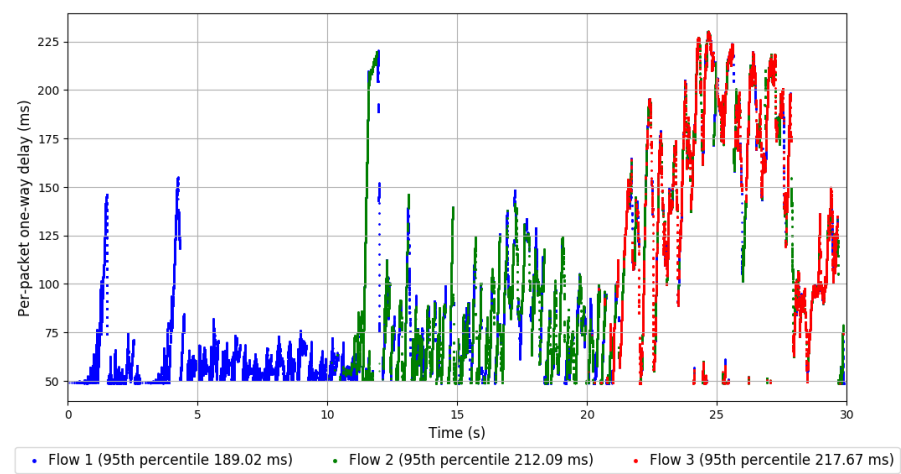
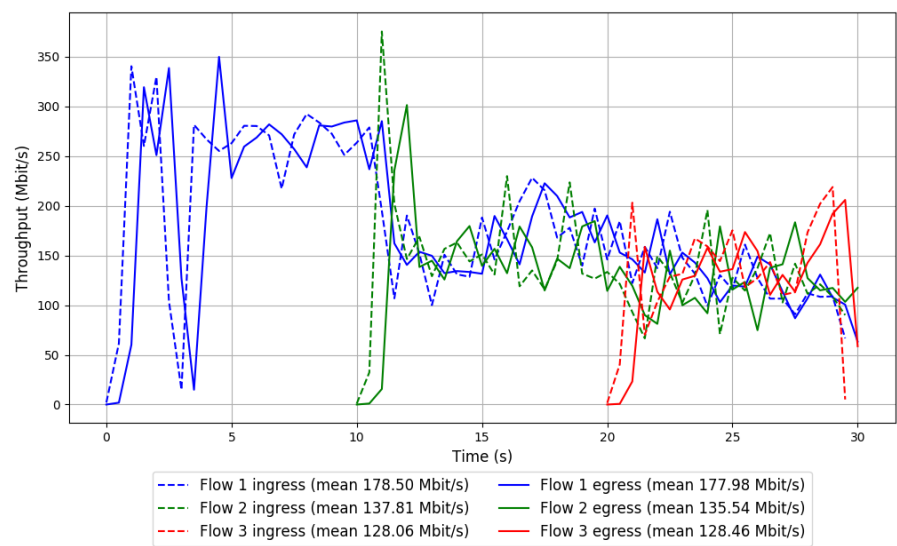


Run 2: Statistics of Verus

Start at: 2018-07-27 08:45:06
End at: 2018-07-27 08:45:36
Local clock offset: 0.022 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-27 14:48:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.07 Mbit/s
95th percentile per-packet one-way delay: 209.101 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 177.98 Mbit/s
95th percentile per-packet one-way delay: 189.023 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 135.54 Mbit/s
95th percentile per-packet one-way delay: 212.095 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 128.46 Mbit/s
95th percentile per-packet one-way delay: 217.673 ms
Loss rate: 0.74%

Run 2: Report of Verus — Data Link

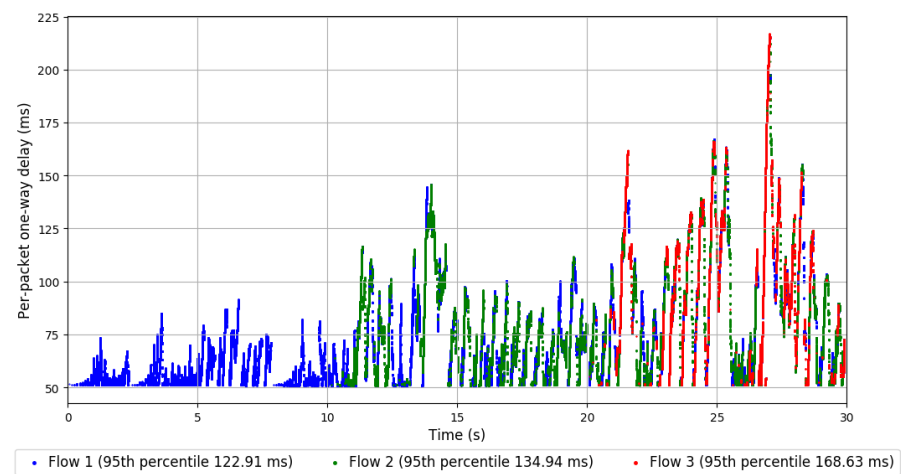
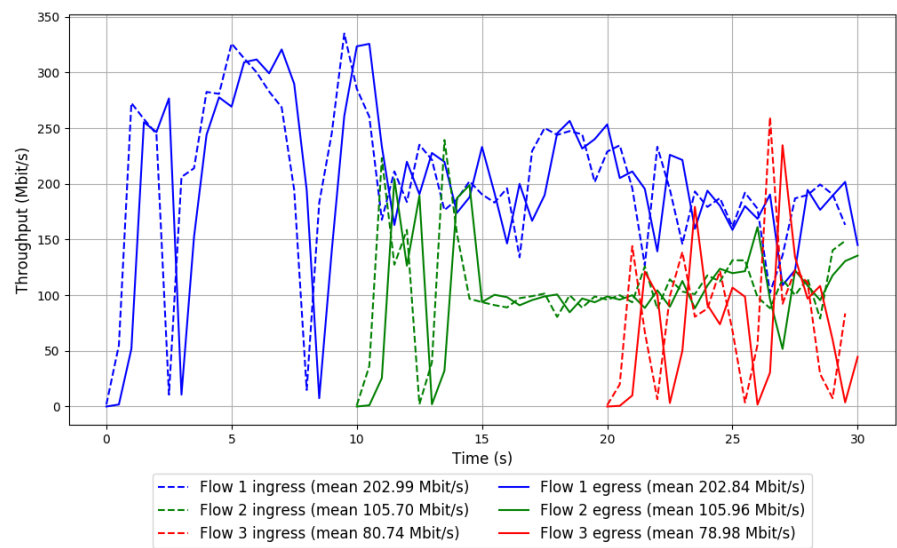


Run 3: Statistics of Verus

Start at: 2018-07-27 09:09:14
End at: 2018-07-27 09:09:44
Local clock offset: 0.327 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-27 14:49:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.02 Mbit/s
95th percentile per-packet one-way delay: 132.043 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 202.84 Mbit/s
95th percentile per-packet one-way delay: 122.908 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 134.942 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 78.98 Mbit/s
95th percentile per-packet one-way delay: 168.631 ms
Loss rate: 3.17%

Run 3: Report of Verus — Data Link

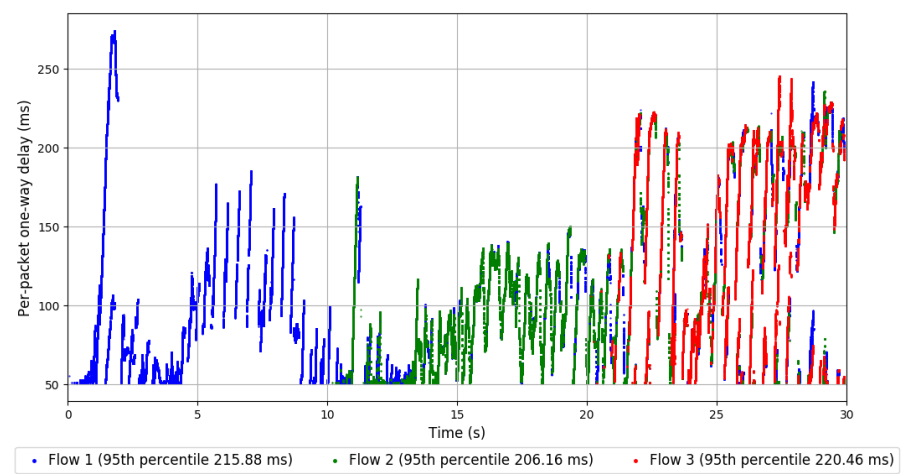
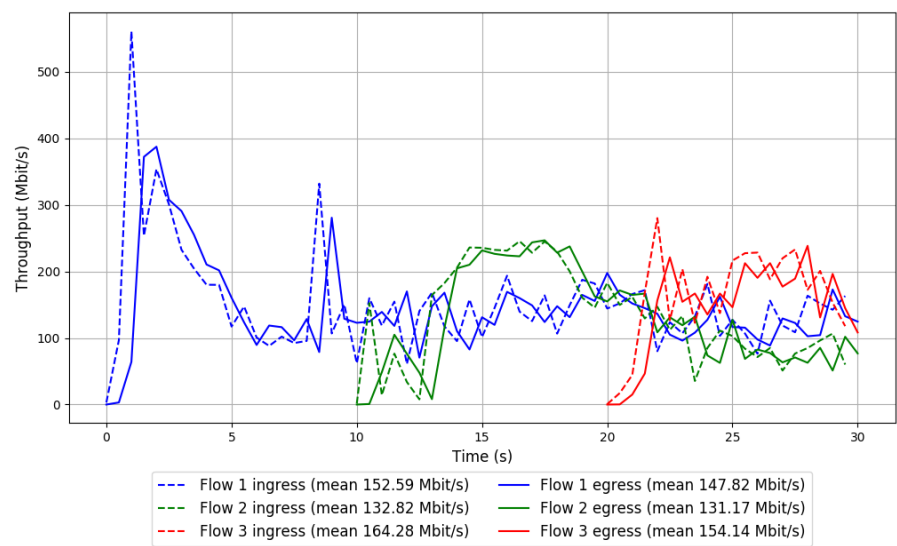


Run 4: Statistics of Verus

Start at: 2018-07-27 09:33:21
End at: 2018-07-27 09:33:51
Local clock offset: -0.053 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-27 14:49:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.23 Mbit/s
95th percentile per-packet one-way delay: 214.527 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 147.82 Mbit/s
95th percentile per-packet one-way delay: 215.880 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 131.17 Mbit/s
95th percentile per-packet one-way delay: 206.158 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 154.14 Mbit/s
95th percentile per-packet one-way delay: 220.462 ms
Loss rate: 7.42%

Run 4: Report of Verus — Data Link

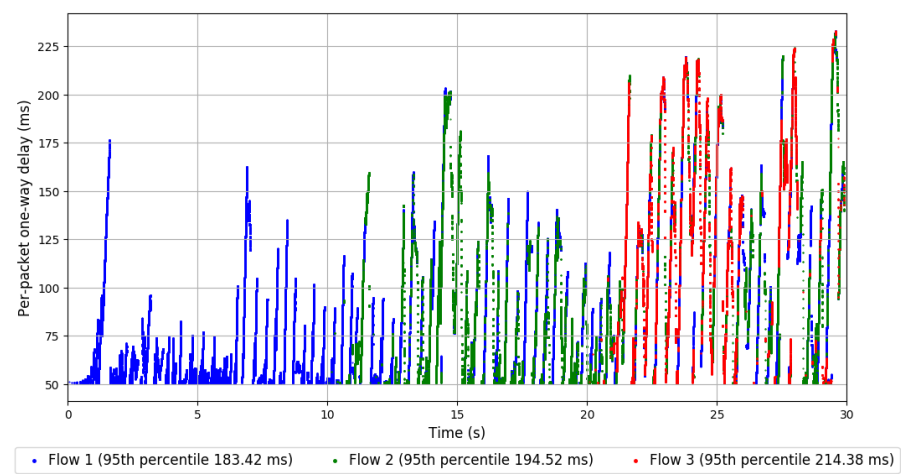
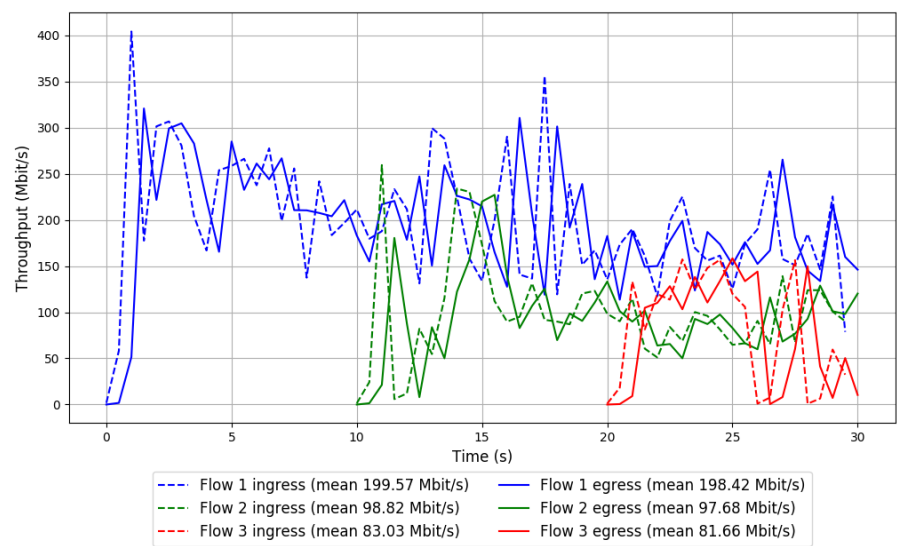


Run 5: Statistics of Verus

Start at: 2018-07-27 09:57:21
End at: 2018-07-27 09:57:51
Local clock offset: -0.125 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-27 14:50:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.76 Mbit/s
95th percentile per-packet one-way delay: 192.667 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 198.42 Mbit/s
95th percentile per-packet one-way delay: 183.416 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 97.68 Mbit/s
95th percentile per-packet one-way delay: 194.517 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: 214.380 ms
Loss rate: 2.68%

Run 5: Report of Verus — Data Link

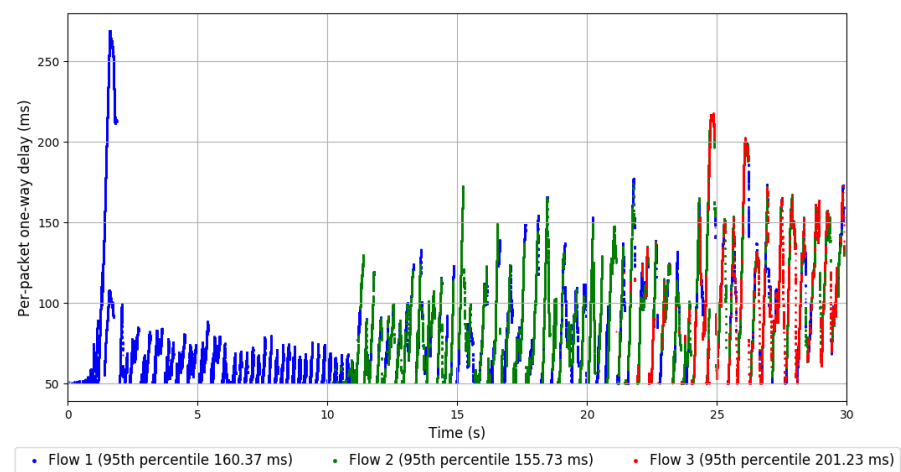
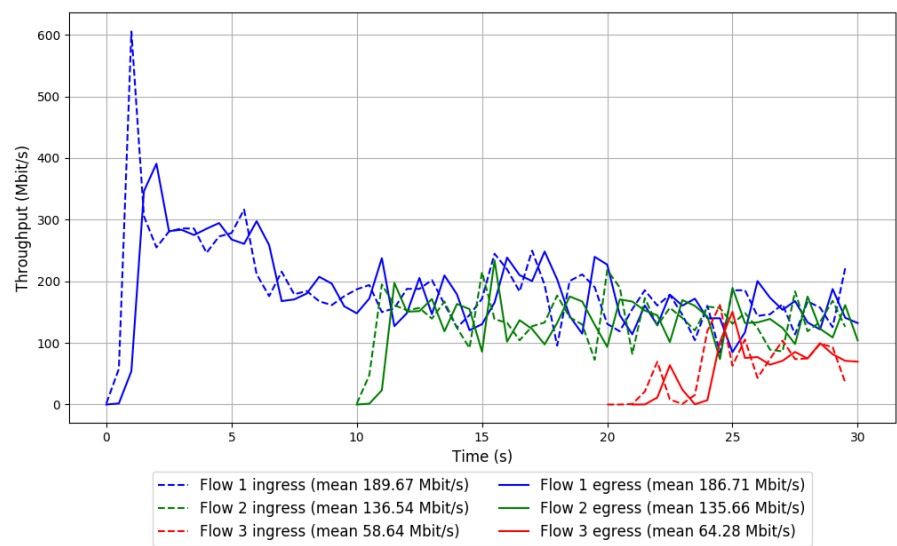


Run 6: Statistics of Verus

Start at: 2018-07-27 10:21:29
End at: 2018-07-27 10:21:59
Local clock offset: -0.045 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-27 14:50:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.74 Mbit/s
95th percentile per-packet one-way delay: 161.404 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 186.71 Mbit/s
95th percentile per-packet one-way delay: 160.372 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 135.66 Mbit/s
95th percentile per-packet one-way delay: 155.731 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 201.233 ms
Loss rate: 2.91%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-27 10:45:33

End at: 2018-07-27 10:46:03

Local clock offset: 0.007 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-27 14:51:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.14 Mbit/s

95th percentile per-packet one-way delay: 207.380 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 152.48 Mbit/s

95th percentile per-packet one-way delay: 200.426 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 160.35 Mbit/s

95th percentile per-packet one-way delay: 209.288 ms

Loss rate: 1.38%

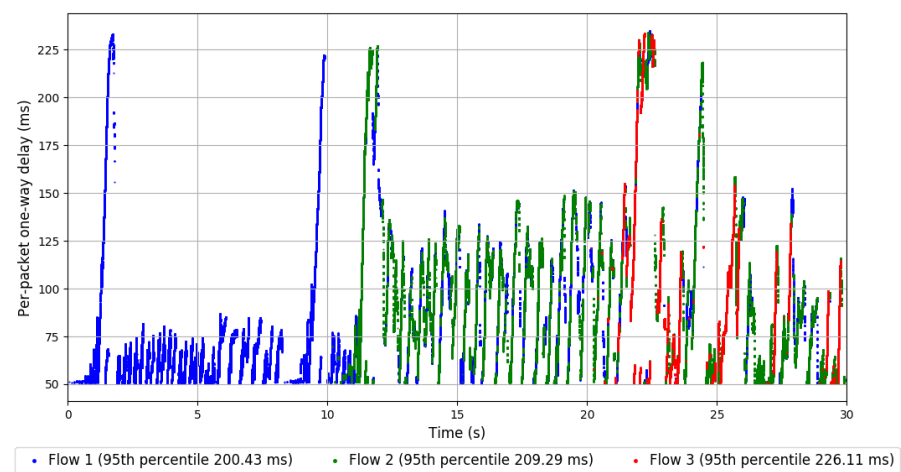
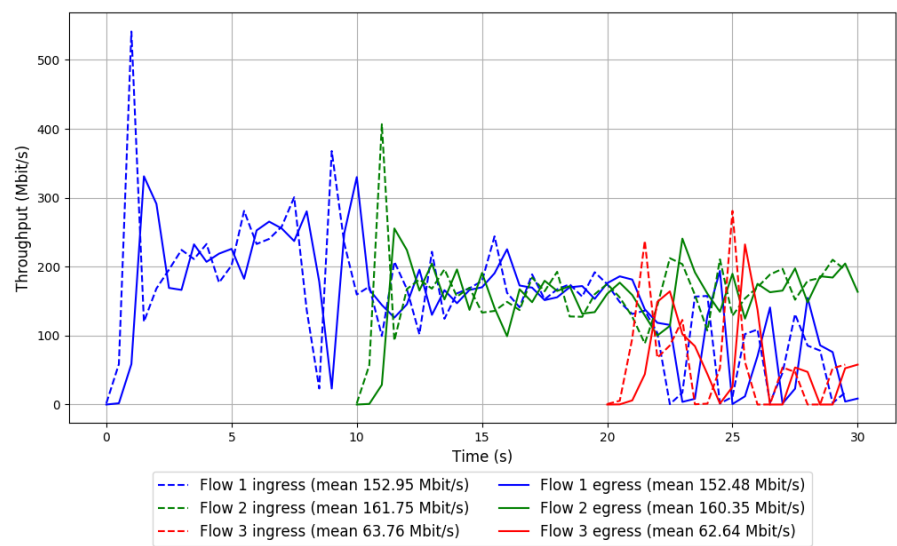
-- Flow 3:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 226.110 ms

Loss rate: 1.82%

Run 7: Report of Verus — Data Link

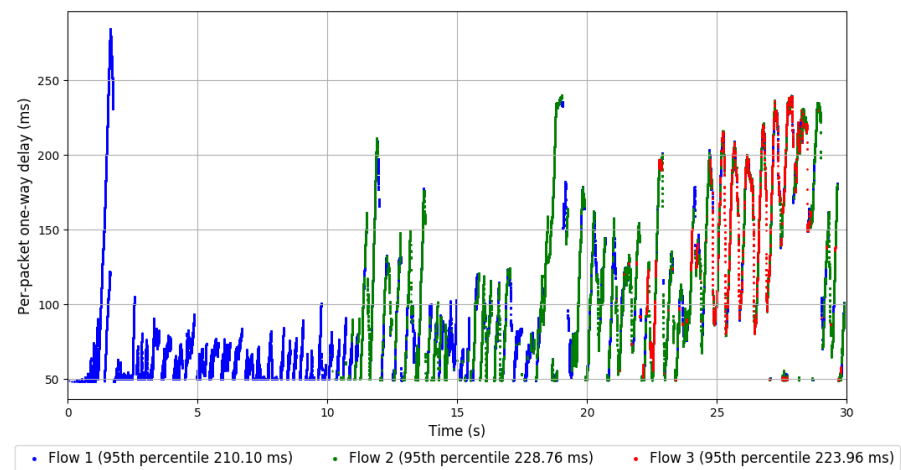
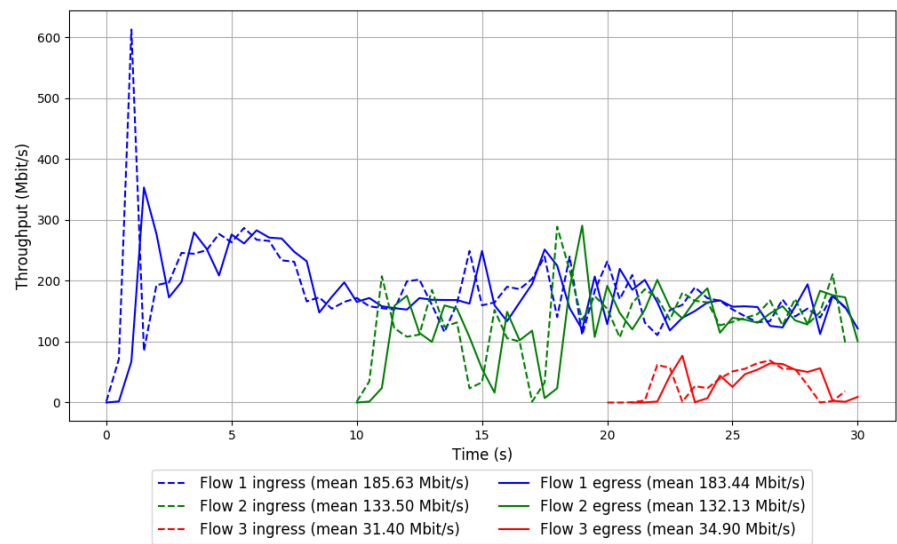


Run 8: Statistics of Verus

Start at: 2018-07-27 11:09:39
End at: 2018-07-27 11:10:09
Local clock offset: -0.424 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-27 14:53:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.25 Mbit/s
95th percentile per-packet one-way delay: 220.148 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 183.44 Mbit/s
95th percentile per-packet one-way delay: 210.097 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 132.13 Mbit/s
95th percentile per-packet one-way delay: 228.758 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 223.964 ms
Loss rate: 2.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-27 11:33:49

End at: 2018-07-27 11:34:19

Local clock offset: 0.21 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-27 14:53:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.21 Mbit/s

95th percentile per-packet one-way delay: 183.224 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 186.15 Mbit/s

95th percentile per-packet one-way delay: 171.071 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 109.42 Mbit/s

95th percentile per-packet one-way delay: 186.115 ms

Loss rate: 0.81%

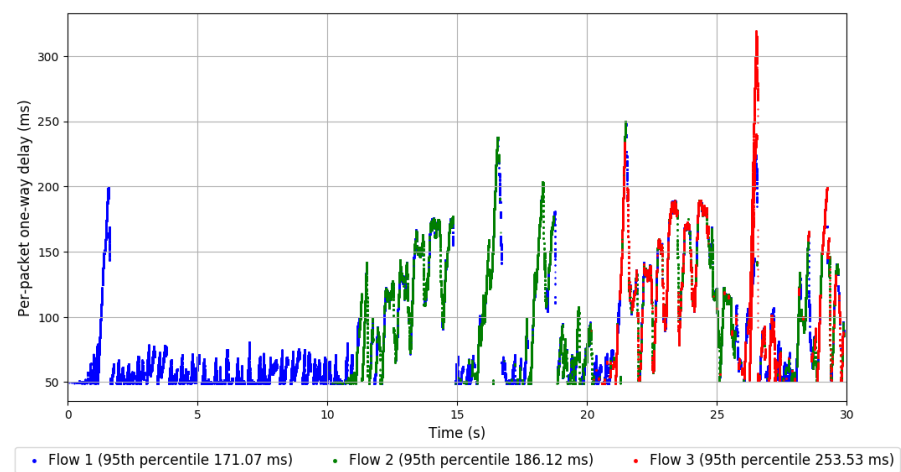
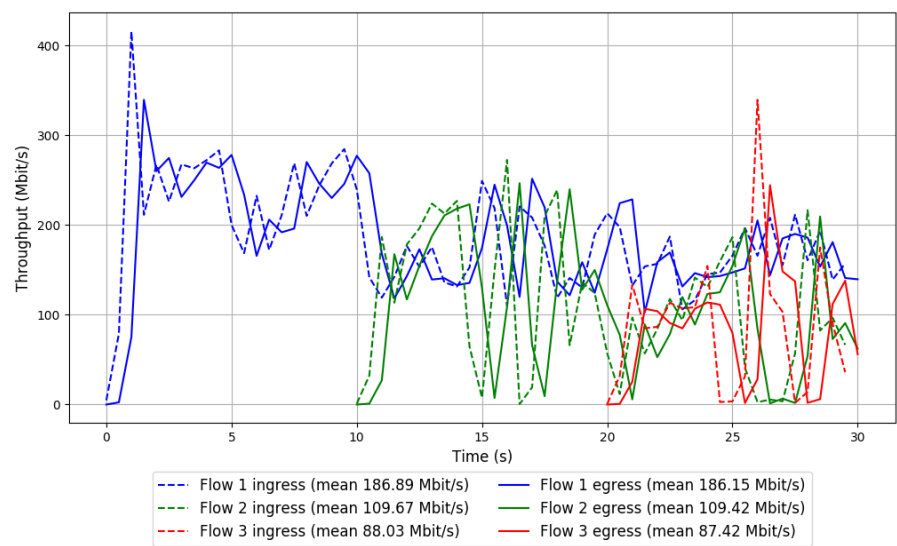
-- Flow 3:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 253.527 ms

Loss rate: 2.54%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-27 11:58:05

End at: 2018-07-27 11:58:35

Local clock offset: -0.135 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-27 14:54:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.01 Mbit/s

95th percentile per-packet one-way delay: 173.307 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 190.84 Mbit/s

95th percentile per-packet one-way delay: 170.268 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 124.76 Mbit/s

95th percentile per-packet one-way delay: 171.709 ms

Loss rate: 1.14%

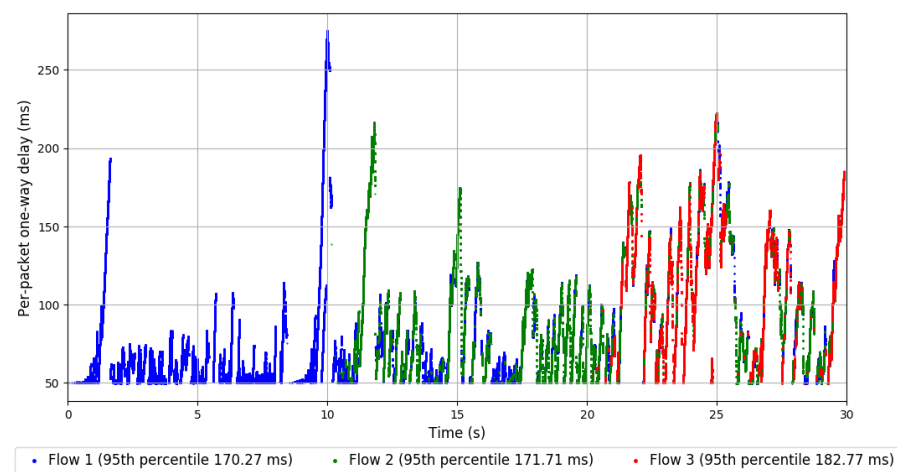
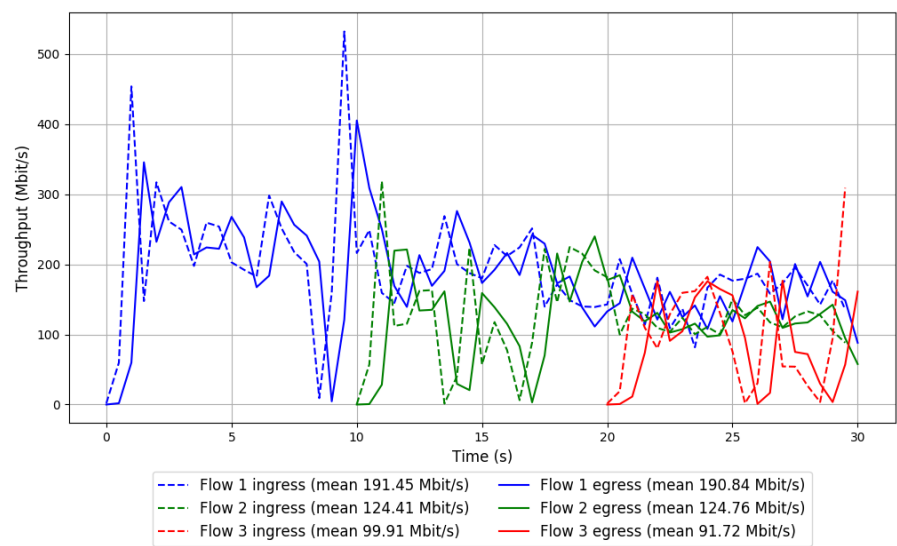
-- Flow 3:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 182.766 ms

Loss rate: 9.56%

Run 10: Report of Verus — Data Link

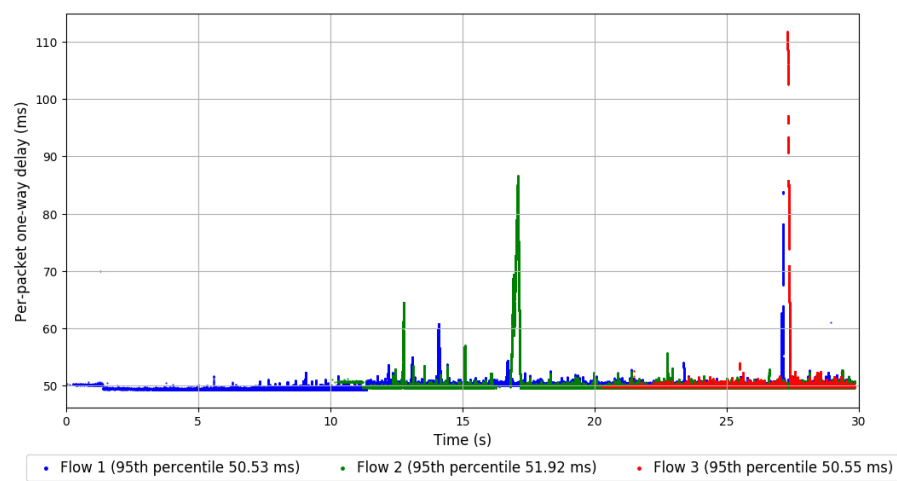
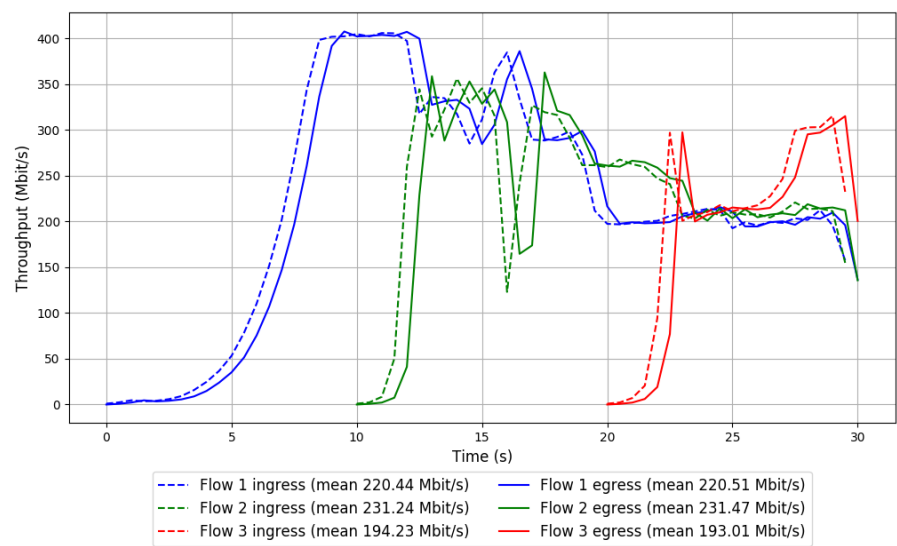


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-27 08:13:39
End at: 2018-07-27 08:14:09
Local clock offset: -0.156 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-27 14:57:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.41 Mbit/s
95th percentile per-packet one-way delay: 50.680 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 220.51 Mbit/s
95th percentile per-packet one-way delay: 50.528 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 231.47 Mbit/s
95th percentile per-packet one-way delay: 51.921 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 193.01 Mbit/s
95th percentile per-packet one-way delay: 50.552 ms
Loss rate: 1.65%

Run 1: Report of PCC-Vivace — Data Link

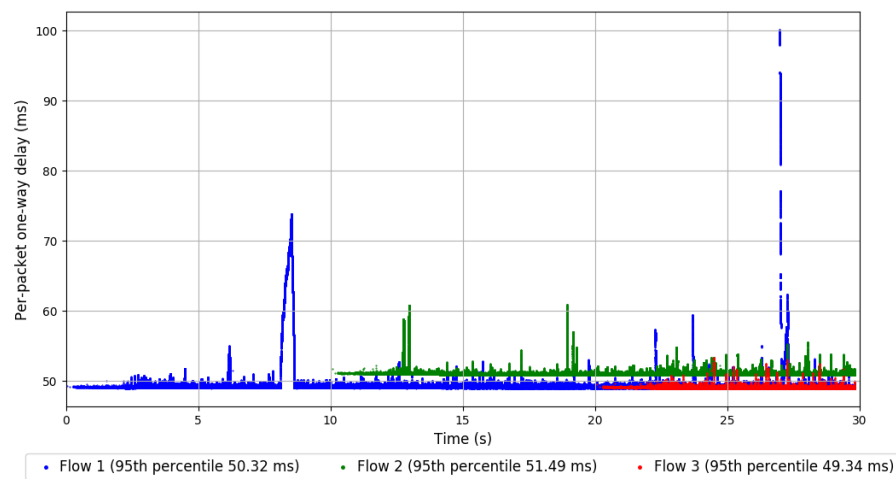
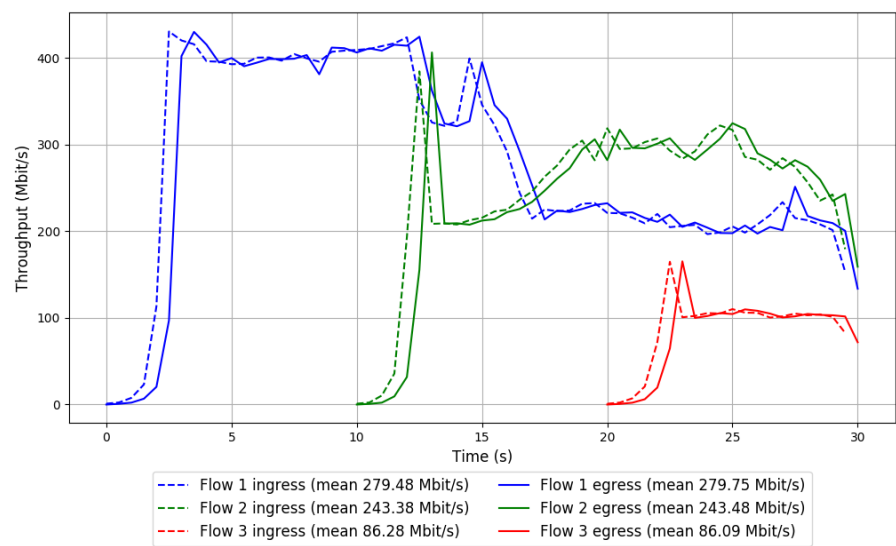


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-27 08:37:46
End at: 2018-07-27 08:38:16
Local clock offset: 0.331 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-27 14:59:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 469.59 Mbit/s
95th percentile per-packet one-way delay: 51.281 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 279.75 Mbit/s
95th percentile per-packet one-way delay: 50.319 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 243.48 Mbit/s
95th percentile per-packet one-way delay: 51.488 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 49.339 ms
Loss rate: 1.24%

Run 2: Report of PCC-Vivace — Data Link

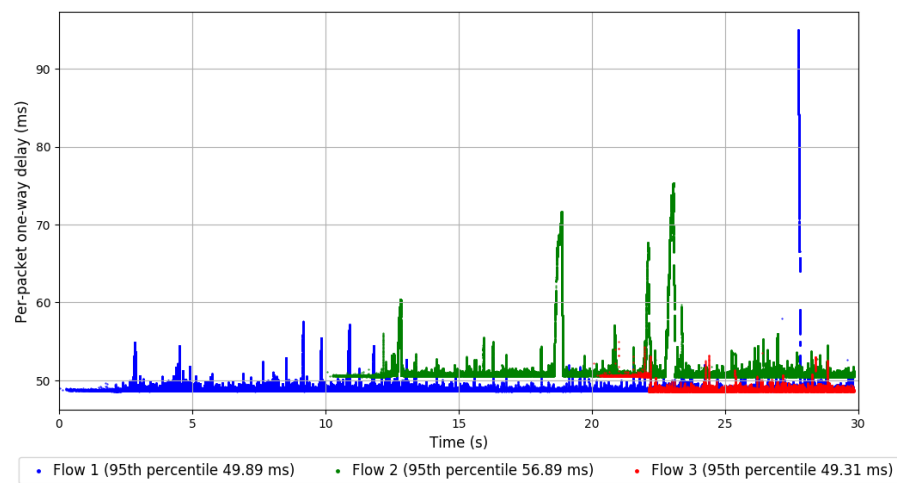
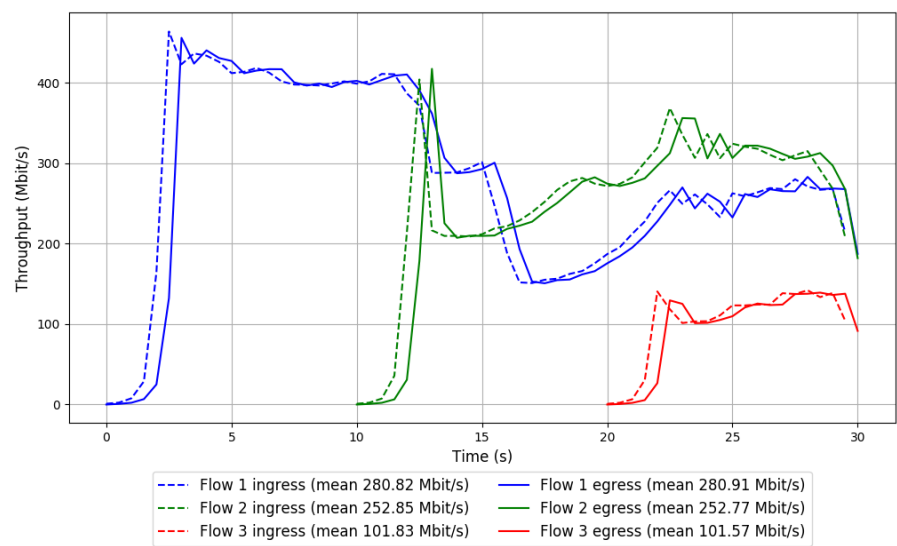


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-27 09:01:48
End at: 2018-07-27 09:02:18
Local clock offset: -0.086 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-27 15:00:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 481.92 Mbit/s
95th percentile per-packet one-way delay: 51.769 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 280.91 Mbit/s
95th percentile per-packet one-way delay: 49.894 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 252.77 Mbit/s
95th percentile per-packet one-way delay: 56.893 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 101.57 Mbit/s
95th percentile per-packet one-way delay: 49.309 ms
Loss rate: 1.31%

Run 3: Report of PCC-Vivace — Data Link

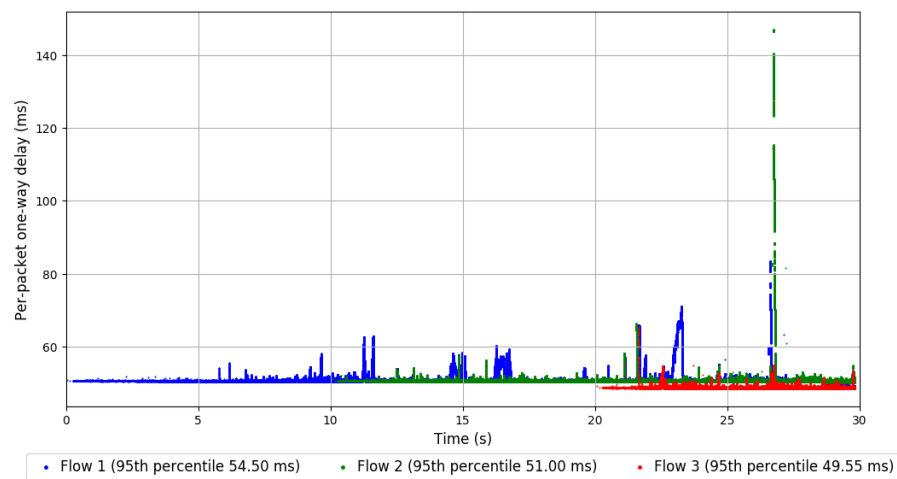
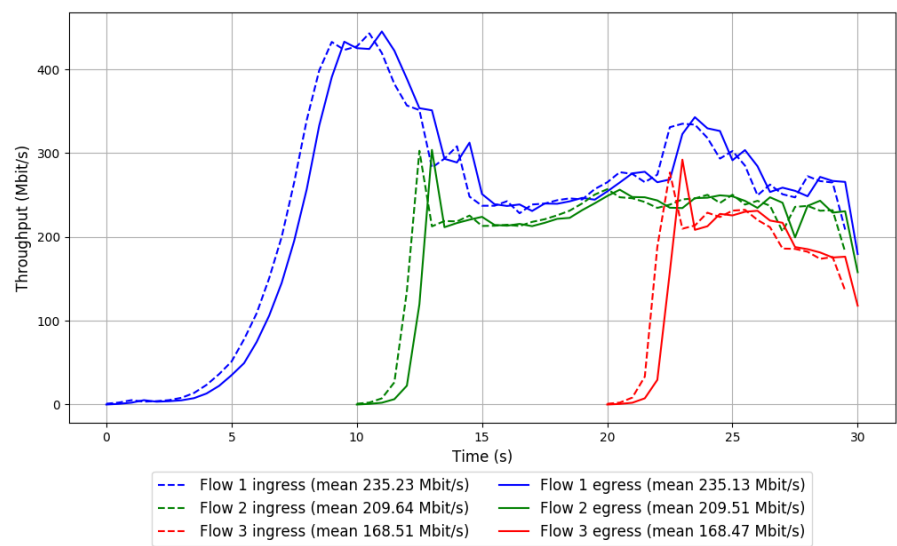


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-27 09:26:02
End at: 2018-07-27 09:26:32
Local clock offset: -0.081 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-27 15:00:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.41 Mbit/s
95th percentile per-packet one-way delay: 52.284 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 54.497 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 209.51 Mbit/s
95th percentile per-packet one-way delay: 50.998 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 168.47 Mbit/s
95th percentile per-packet one-way delay: 49.548 ms
Loss rate: 1.04%

Run 4: Report of PCC-Vivace — Data Link

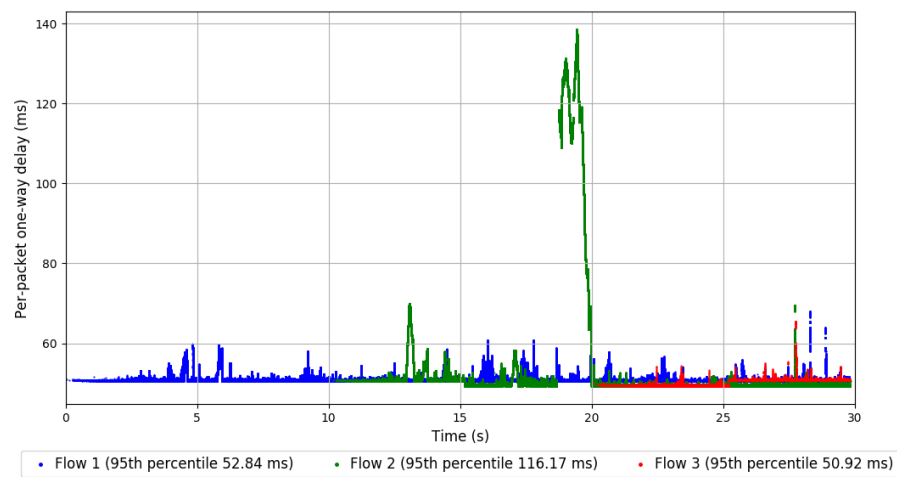
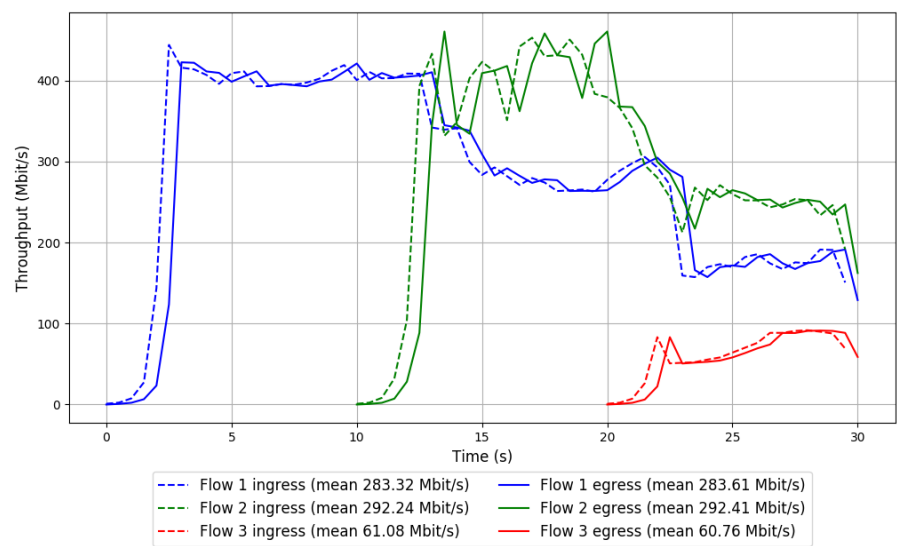


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-27 09:49:55
End at: 2018-07-27 09:50:25
Local clock offset: -0.046 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-27 15:01:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.66 Mbit/s
95th percentile per-packet one-way delay: 57.715 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 283.61 Mbit/s
95th percentile per-packet one-way delay: 52.836 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 292.41 Mbit/s
95th percentile per-packet one-way delay: 116.174 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 1.55%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-27 10:14:07

End at: 2018-07-27 10:14:37

Local clock offset: -0.025 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-27 15:01:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 429.81 Mbit/s

95th percentile per-packet one-way delay: 58.904 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 330.11 Mbit/s

95th percentile per-packet one-way delay: 61.303 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 131.24 Mbit/s

95th percentile per-packet one-way delay: 52.140 ms

Loss rate: 0.77%

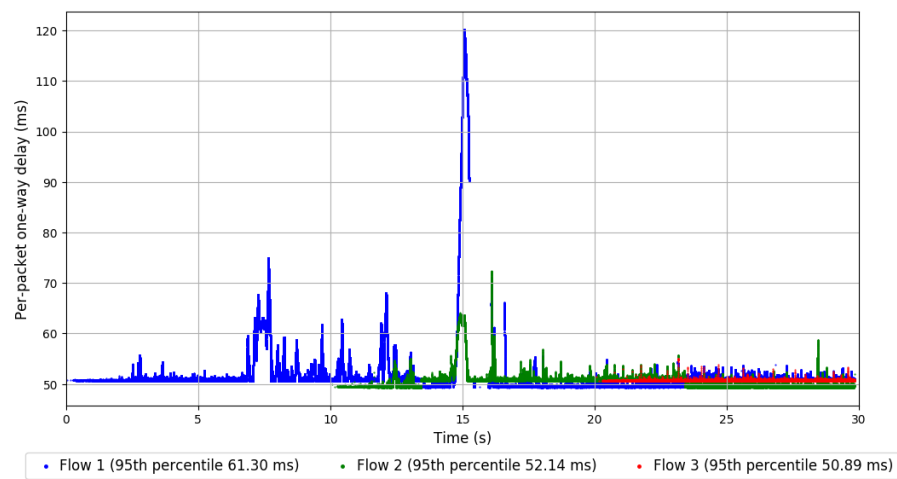
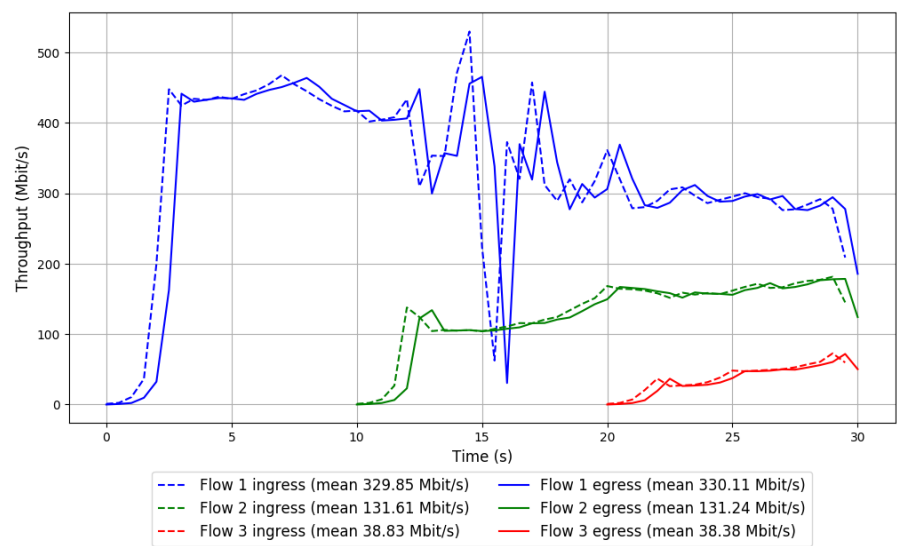
-- Flow 3:

Average throughput: 38.38 Mbit/s

95th percentile per-packet one-way delay: 50.887 ms

Loss rate: 2.19%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-27 10:38:11

End at: 2018-07-27 10:38:41

Local clock offset: -0.075 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-27 15:02:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.19 Mbit/s

95th percentile per-packet one-way delay: 51.494 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 276.57 Mbit/s

95th percentile per-packet one-way delay: 51.758 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 181.04 Mbit/s

95th percentile per-packet one-way delay: 51.487 ms

Loss rate: 0.55%

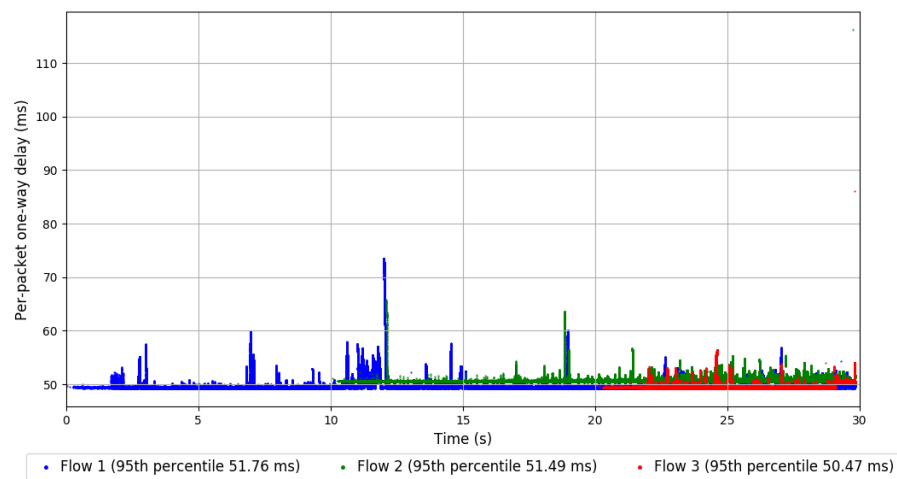
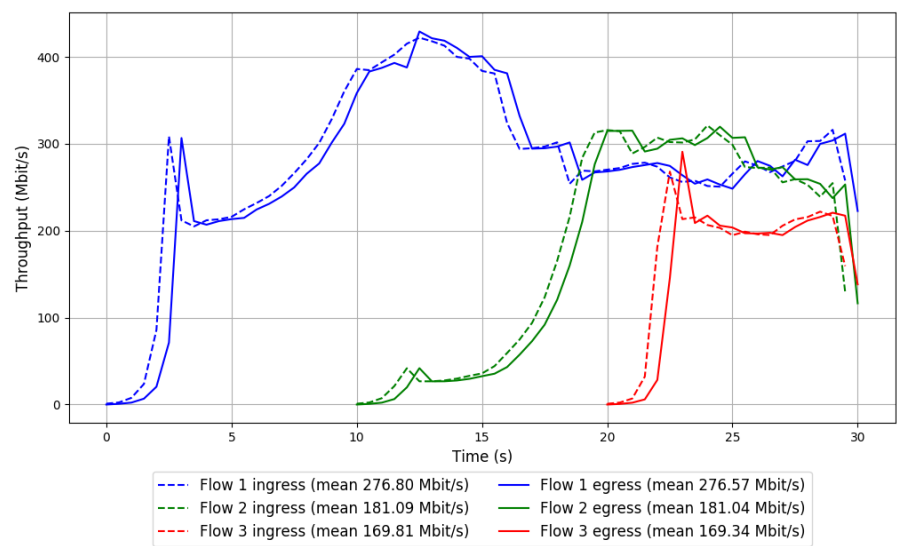
-- Flow 3:

Average throughput: 169.34 Mbit/s

95th percentile per-packet one-way delay: 50.473 ms

Loss rate: 1.31%

Run 7: Report of PCC-Vivace — Data Link

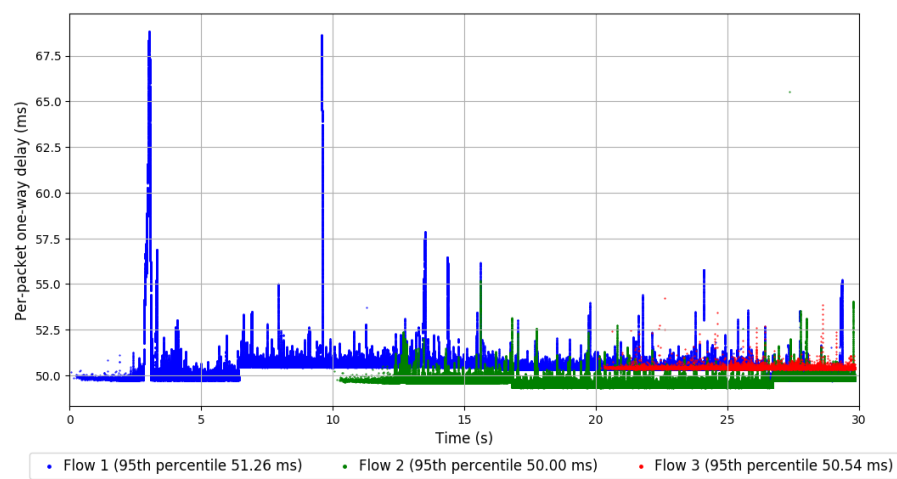
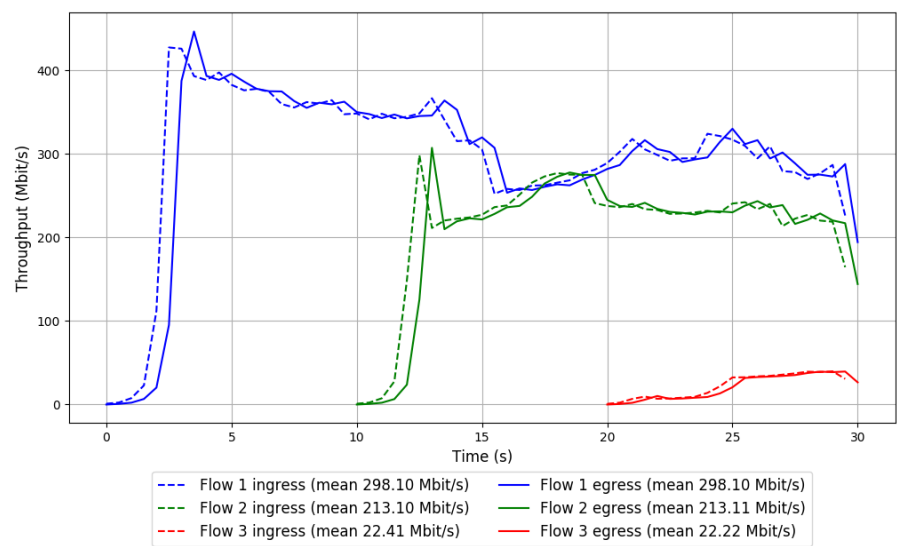


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-27 11:02:14
End at: 2018-07-27 11:02:44
Local clock offset: -0.062 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-27 15:02:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.87 Mbit/s
95th percentile per-packet one-way delay: 50.902 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 298.10 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 213.11 Mbit/s
95th percentile per-packet one-way delay: 50.000 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 22.22 Mbit/s
95th percentile per-packet one-way delay: 50.541 ms
Loss rate: 1.85%

Run 8: Report of PCC-Vivace — Data Link

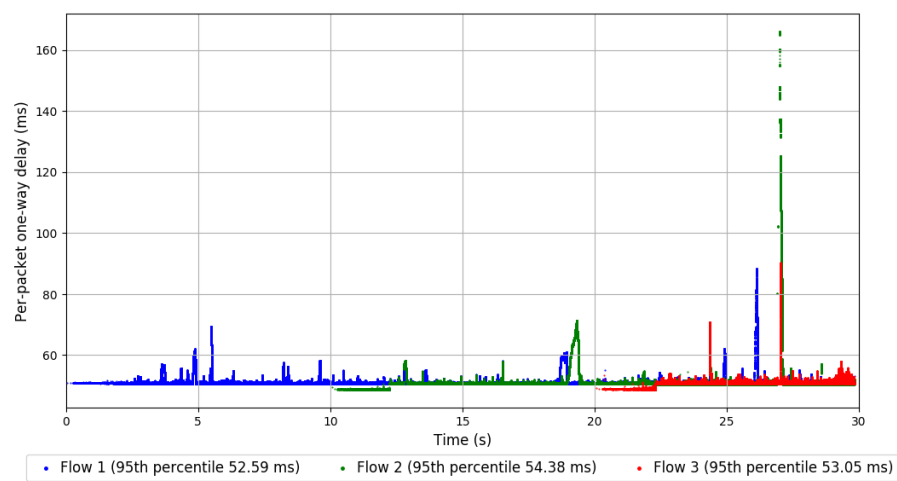
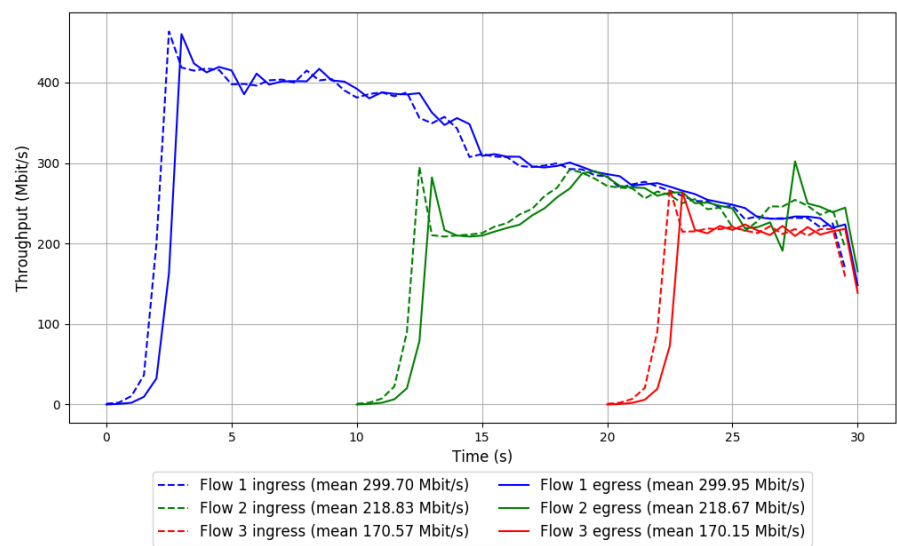


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-27 11:26:18
End at: 2018-07-27 11:26:48
Local clock offset: -0.138 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 500.86 Mbit/s
95th percentile per-packet one-way delay: 52.827 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 299.95 Mbit/s
95th percentile per-packet one-way delay: 52.588 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 218.67 Mbit/s
95th percentile per-packet one-way delay: 54.385 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 170.15 Mbit/s
95th percentile per-packet one-way delay: 53.045 ms
Loss rate: 1.26%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-27 11:50:44

End at: 2018-07-27 11:51:14

Local clock offset: -0.13 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-27 15:03:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 420.58 Mbit/s

95th percentile per-packet one-way delay: 51.379 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 196.87 Mbit/s

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

Loss rate: 0.45%

-- Flow 2:

Average throughput: 241.90 Mbit/s

95th percentile per-packet one-way delay: 56.895 ms

Loss rate: 0.60%

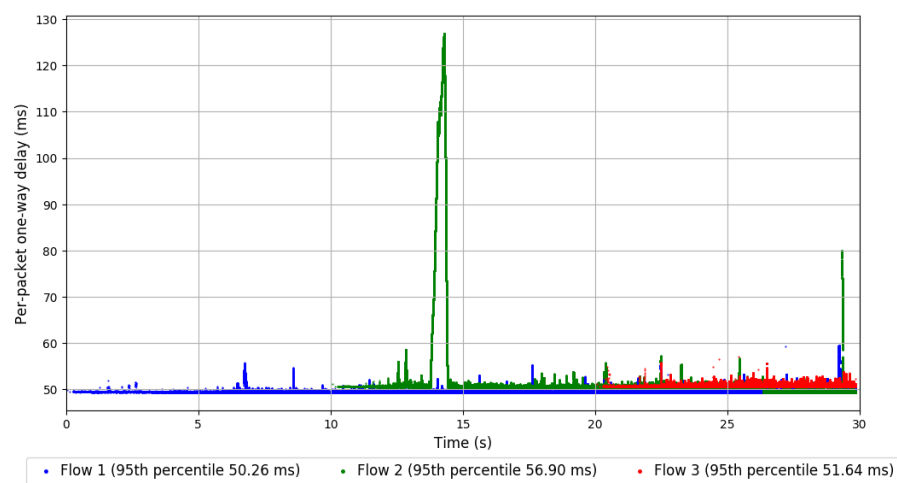
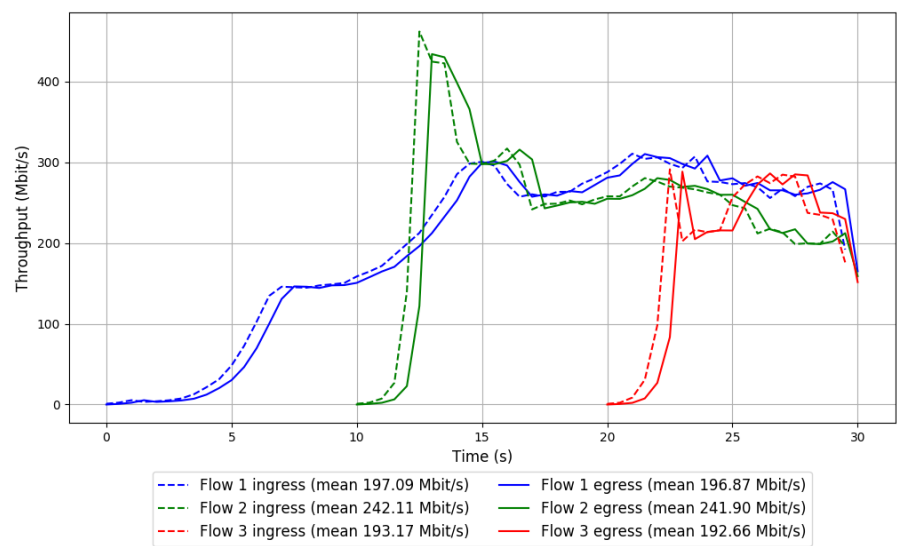
-- Flow 3:

Average throughput: 192.66 Mbit/s

95th percentile per-packet one-way delay: 51.643 ms

Loss rate: 1.27%

Run 10: Report of PCC-Vivace — Data Link

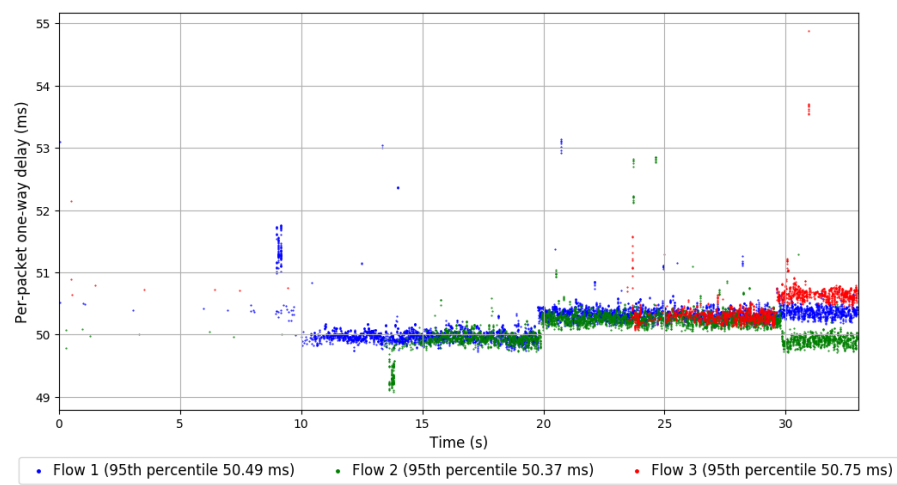
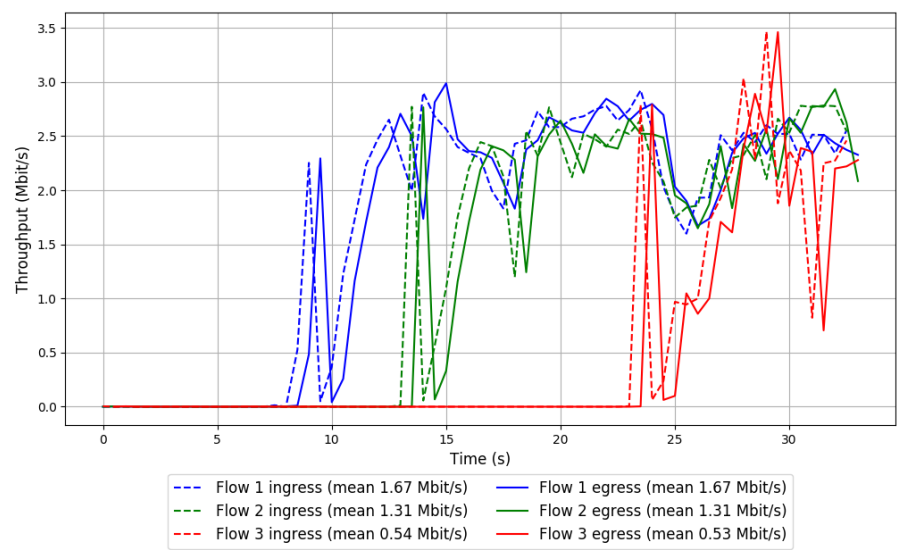


Run 1: Statistics of WebRTC media

Start at: 2018-07-27 08:22:23
End at: 2018-07-27 08:22:53
Local clock offset: 0.216 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 50.642 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 50.486 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.365 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.752 ms
Loss rate: 1.18%

Run 1: Report of WebRTC media — Data Link

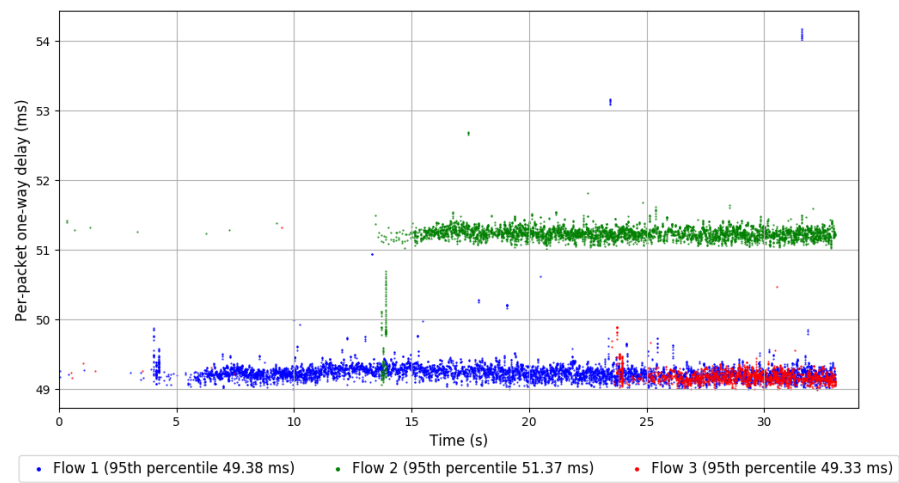
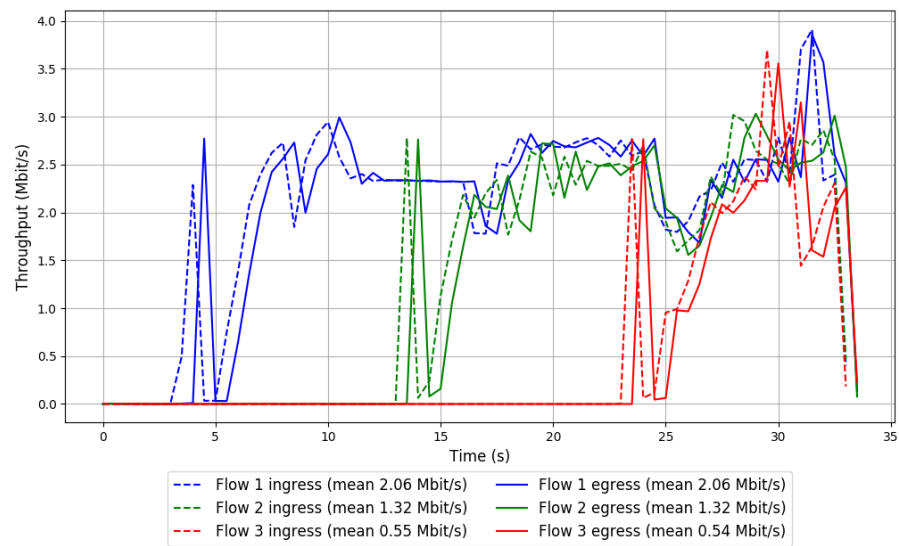


Run 2: Statistics of WebRTC media

Start at: 2018-07-27 08:46:35
End at: 2018-07-27 08:47:05
Local clock offset: 0.344 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 51.318 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 49.385 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 51.371 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 49.325 ms
Loss rate: 0.52%

Run 2: Report of WebRTC media — Data Link

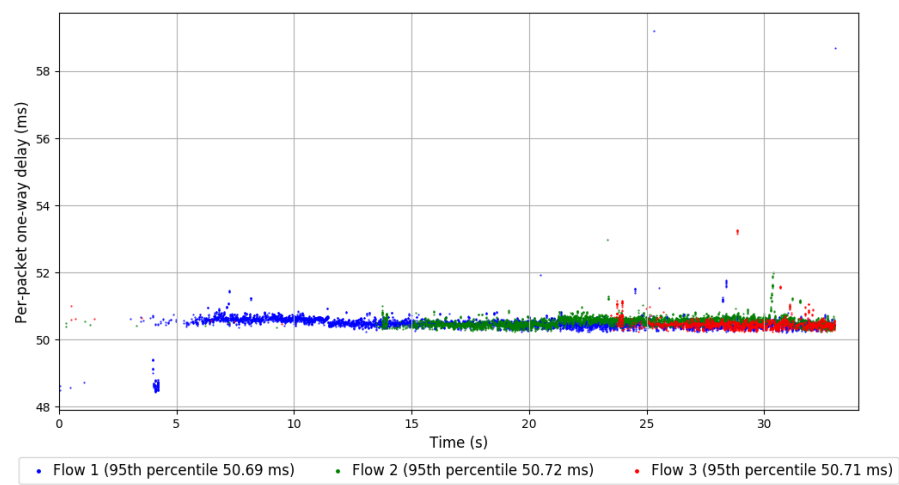
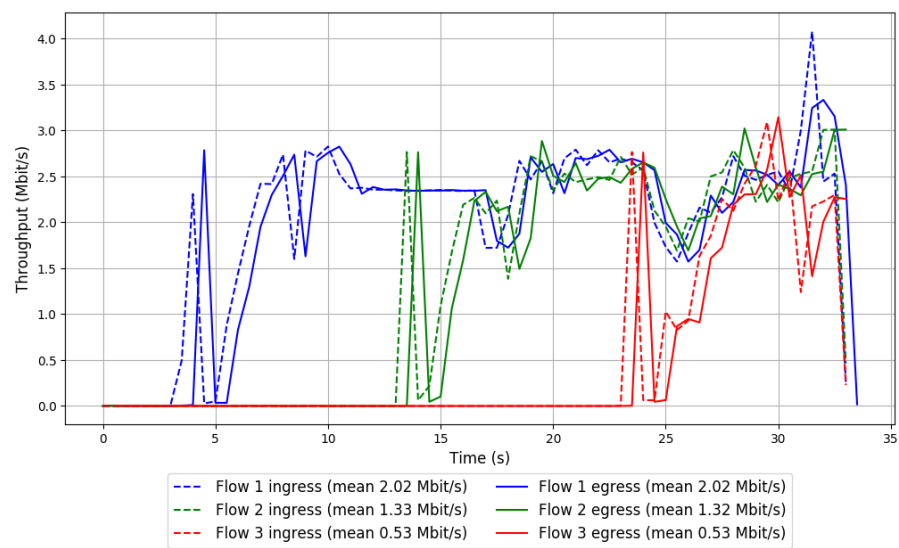


Run 3: Statistics of WebRTC media

Start at: 2018-07-27 09:10:42
End at: 2018-07-27 09:11:12
Local clock offset: -0.37 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 50.703 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 50.685 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.720 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.713 ms
Loss rate: 1.31%

Run 3: Report of WebRTC media — Data Link

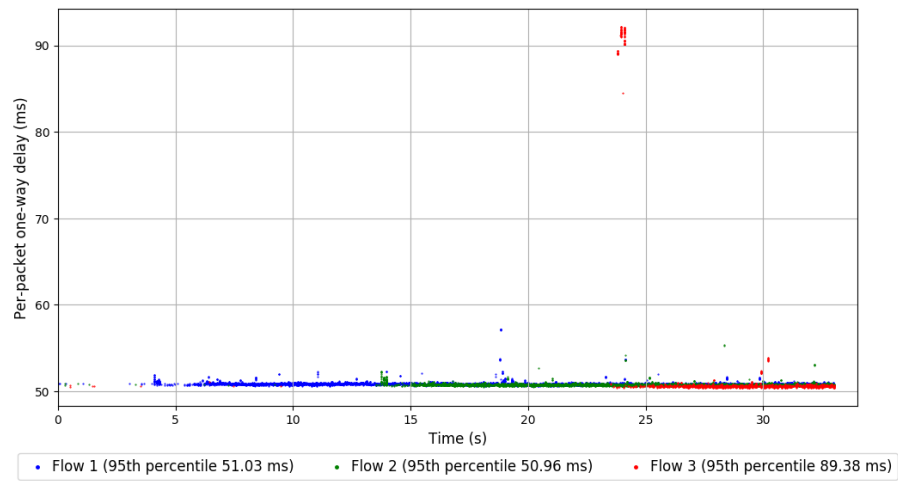
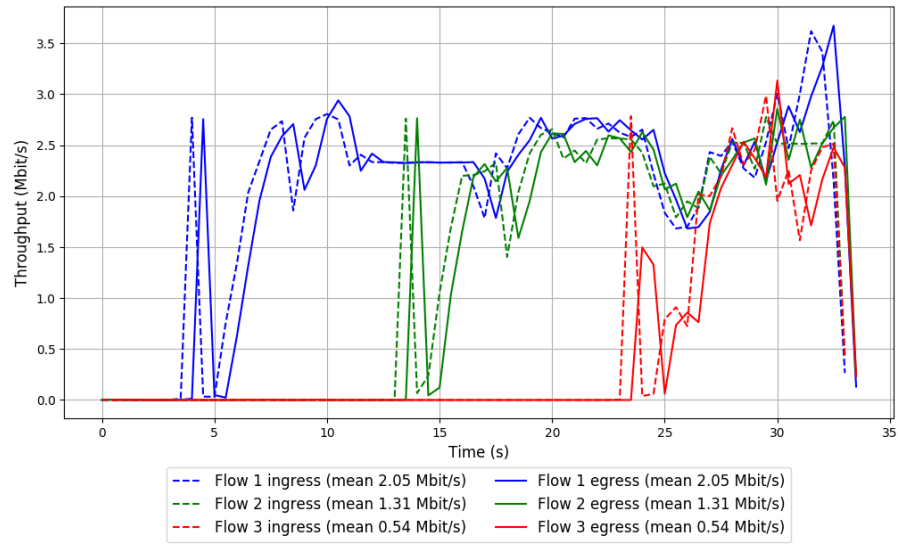


Run 4: Statistics of WebRTC media

Start at: 2018-07-27 09:34:49
End at: 2018-07-27 09:35:19
Local clock offset: -0.039 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 51.031 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 51.035 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 89.377 ms
Loss rate: 1.70%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-27 09:58:48

End at: 2018-07-27 09:59:18

Local clock offset: -0.069 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-27 15:03:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 50.852 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 50.787 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 49.847 ms

Loss rate: 0.73%

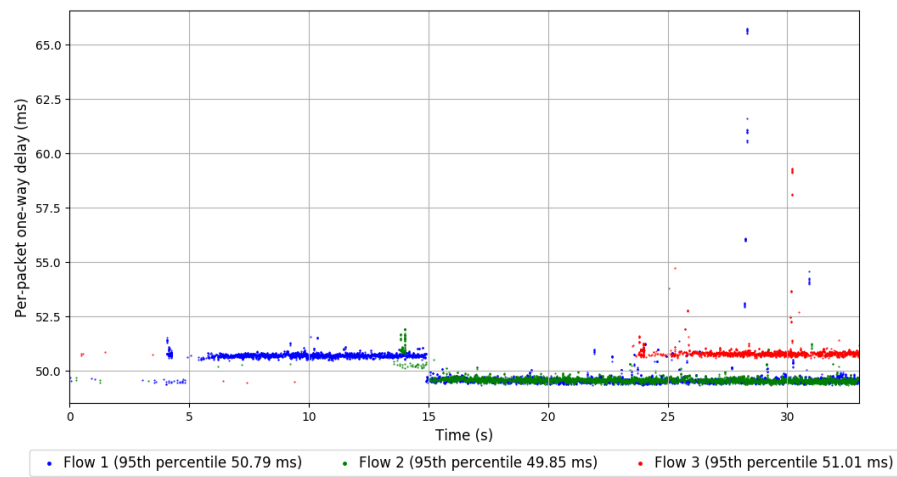
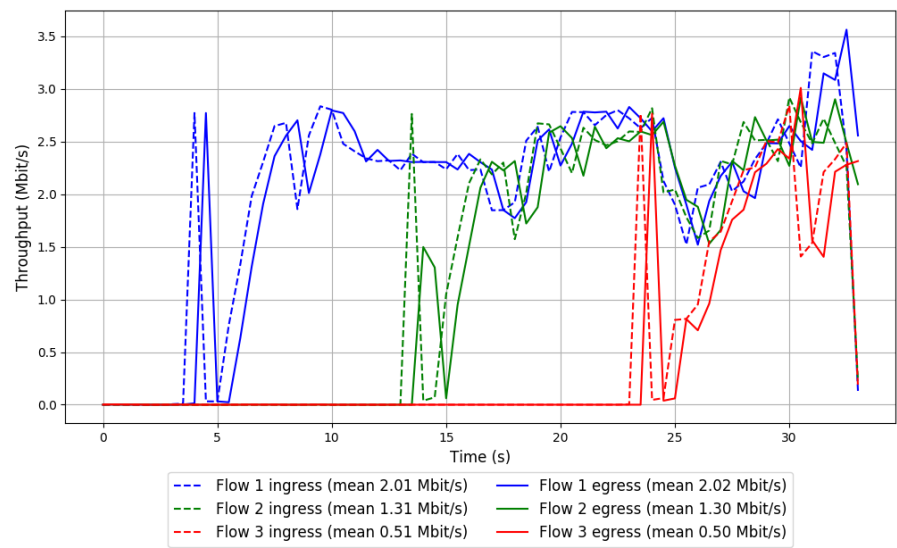
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 51.012 ms

Loss rate: 1.74%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-27 10:22:58

End at: 2018-07-27 10:23:28

Local clock offset: -0.081 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-27 15:03:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 50.880 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 49.719 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 50.939 ms

Loss rate: 0.76%

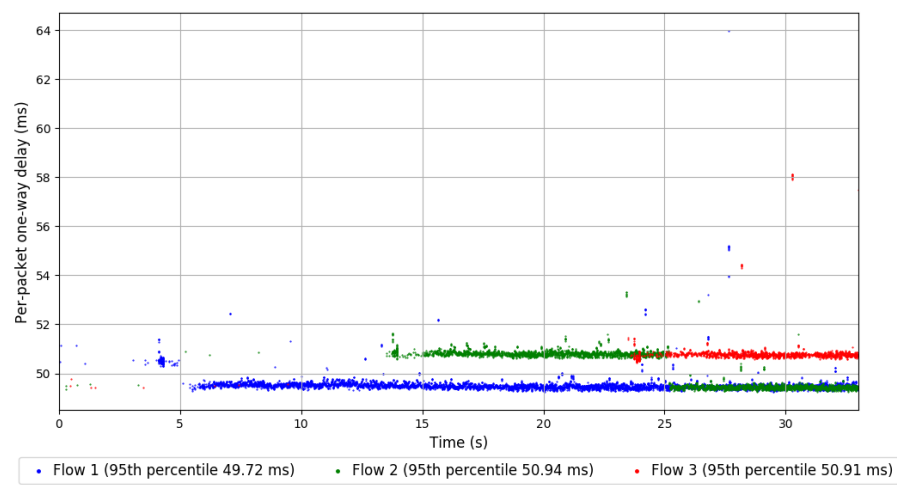
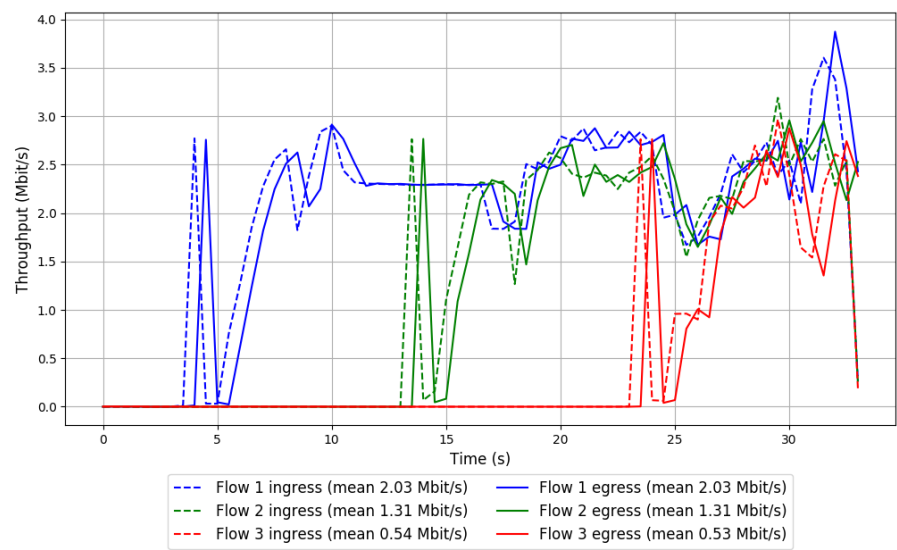
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.911 ms

Loss rate: 1.61%

Run 6: Report of WebRTC media — Data Link

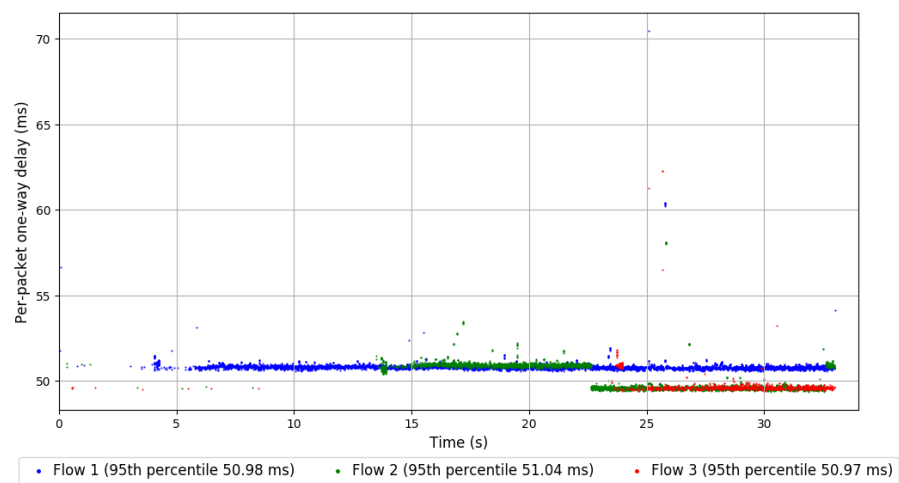
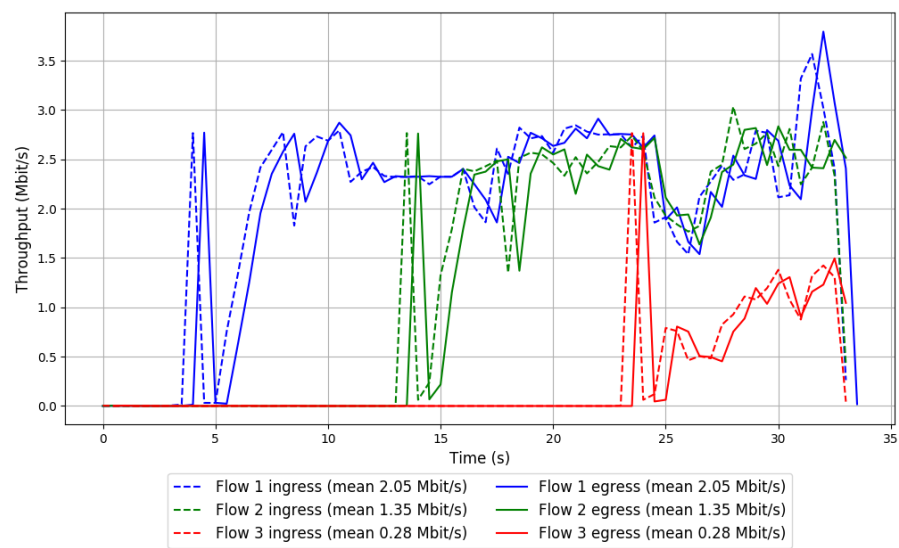


Run 7: Statistics of WebRTC media

Start at: 2018-07-27 10:47:01
End at: 2018-07-27 10:47:31
Local clock offset: -0.041 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.976 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 51.038 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 2.04%

Run 7: Report of WebRTC media — Data Link

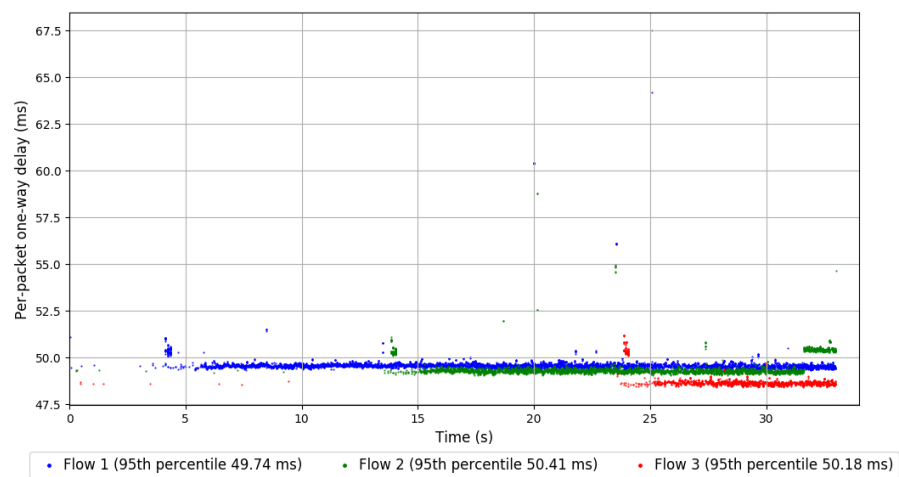
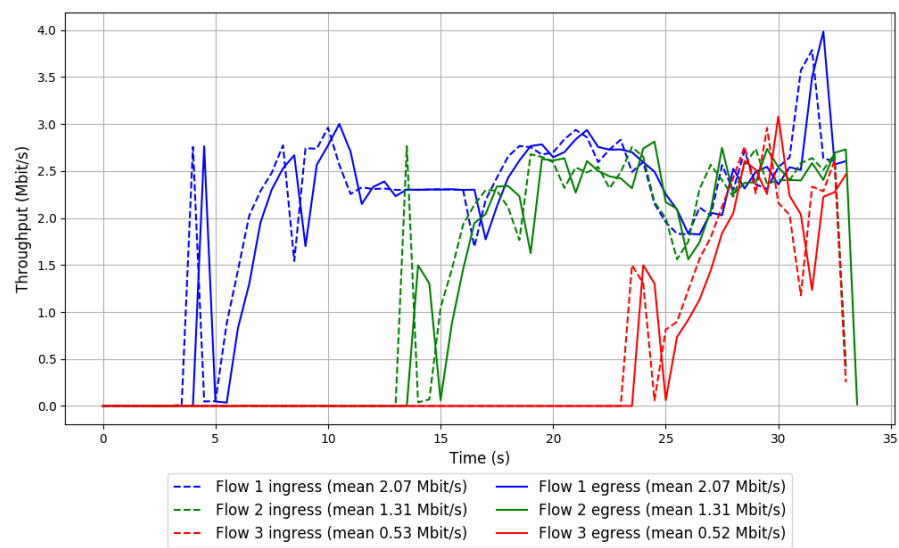


Run 8: Statistics of WebRTC media

Start at: 2018-07-27 11:11:06
End at: 2018-07-27 11:11:36
Local clock offset: -0.383 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 50.204 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 49.744 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.414 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 50.183 ms
Loss rate: 1.88%

Run 8: Report of WebRTC media — Data Link

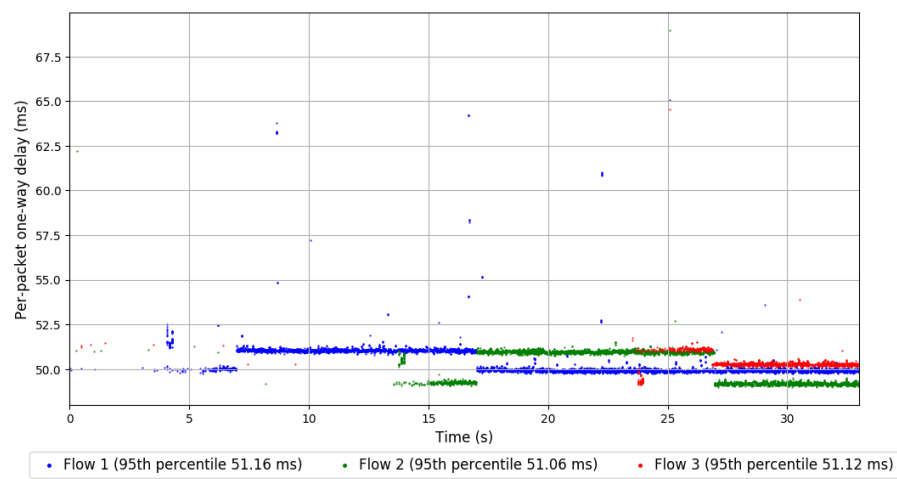
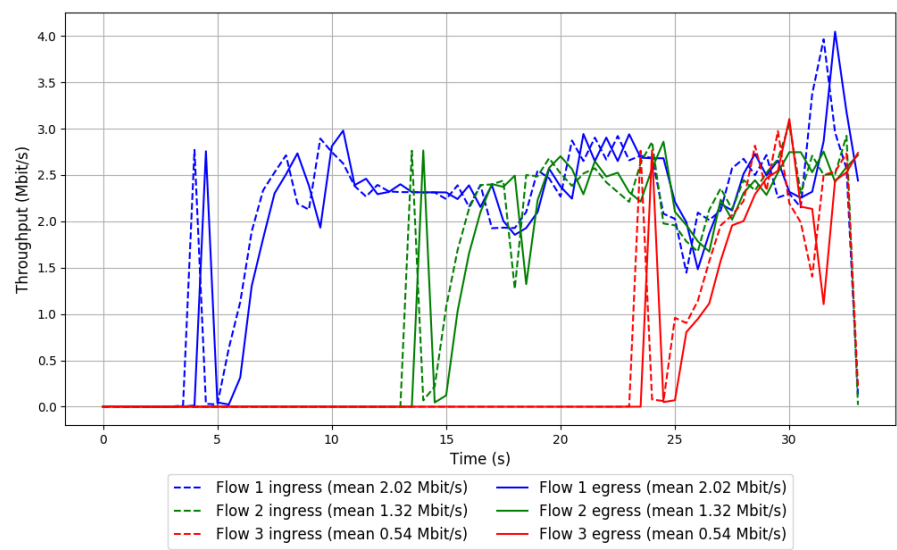


Run 9: Statistics of WebRTC media

Start at: 2018-07-27 11:35:16
End at: 2018-07-27 11:35:46
Local clock offset: 0.231 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 51.118 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 51.156 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 51.062 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 51.125 ms
Loss rate: 1.78%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-27 11:59:35
End at: 2018-07-27 12:00:05
Local clock offset: -0.49 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-27 15:03:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 50.649 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 50.683 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.477 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.611 ms
Loss rate: 1.15%

Run 10: Report of WebRTC media — Data Link

