

Pantheon Report

Generated at 2019-10-03 17:17:41 (UTC).

Data path: GCE London on `ens4` (*remote*) → GCE Sydney on `ens4` (*local*).

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

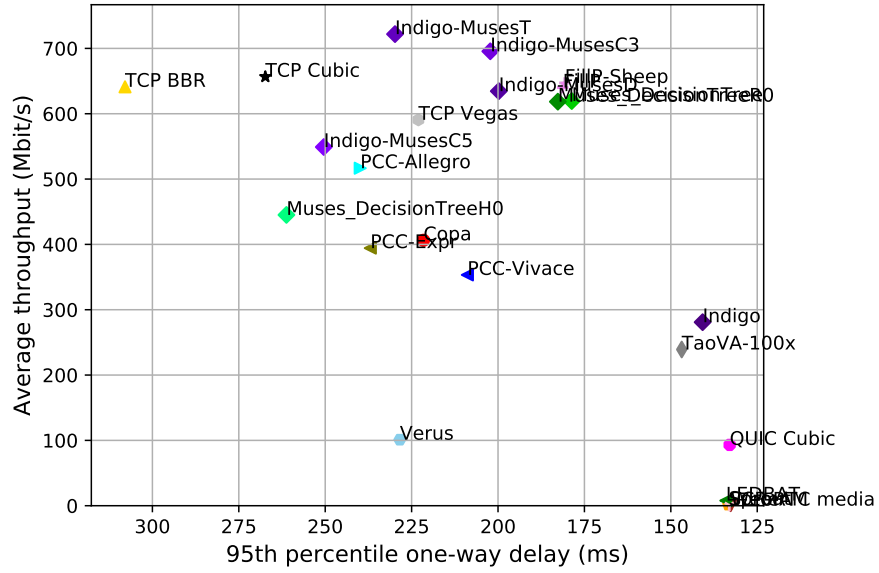
```
Linux 4.15.0-1044-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

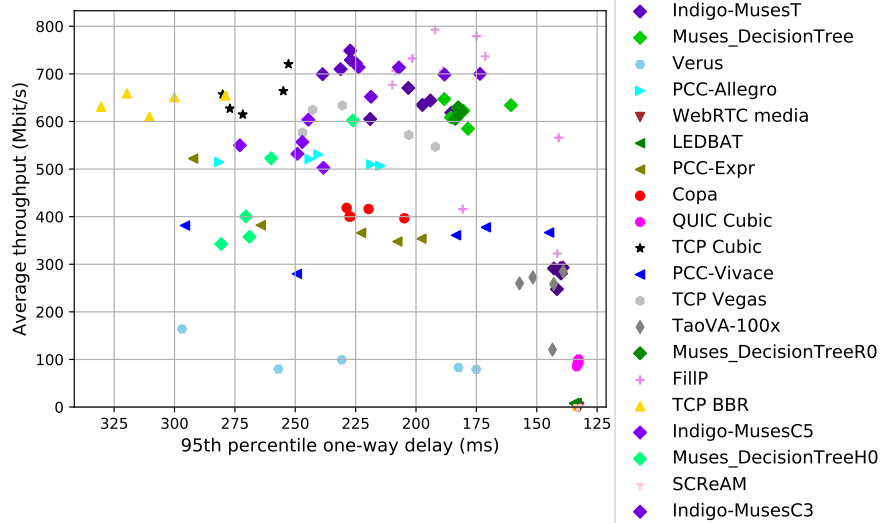
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Sydney, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London to GCE Sydney, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



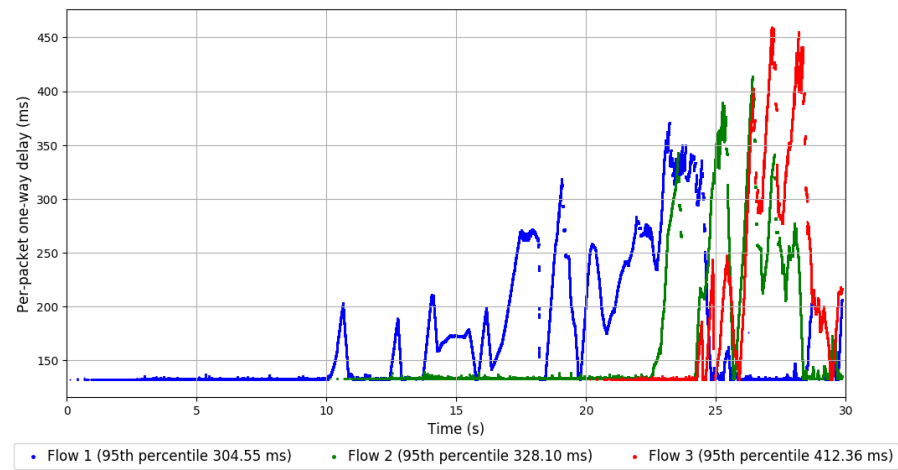
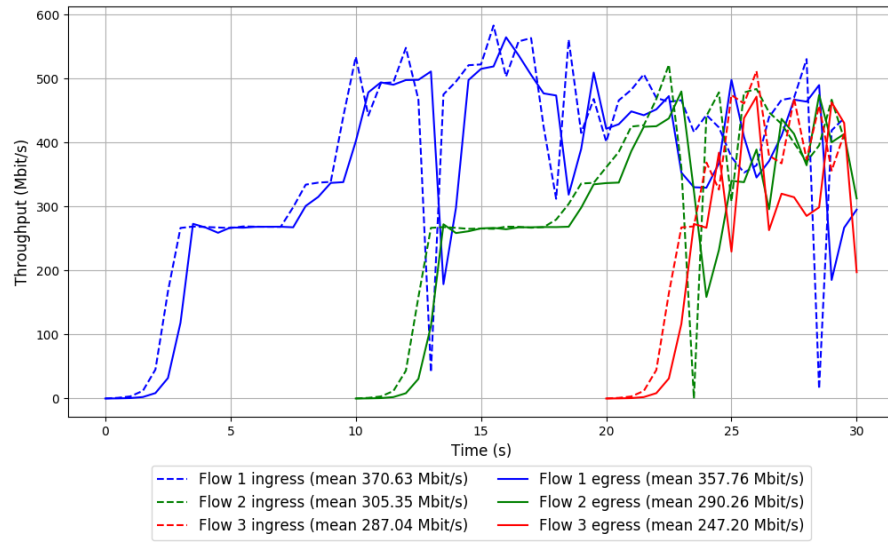
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	352.54	312.66	248.92	298.38	312.46	237.54	4.40	5.92	7.87
Copa	5	215.50	207.63	162.60	214.88	220.86	222.61	0.81	1.31	3.77
TCP Cubic	5	375.41	308.43	234.70	266.31	255.06	267.87	1.20	2.25	5.67
FillP	5	339.04	341.37	230.62	186.23	161.67	141.51	2.42	1.41	3.27
FillP-Sheep	5	358.73	321.13	233.12	203.04	153.60	154.25	1.89	1.28	3.28
Indigo	5	154.30	134.08	114.46	140.98	140.15	142.25	0.89	1.49	3.48
Indigo-MusesC3	5	404.47	356.45	255.58	206.71	196.42	160.51	0.99	1.40	4.73
Indigo-MusesC5	5	325.00	314.94	98.29	244.87	238.75	134.32	1.65	2.67	6.31
Indigo-MusesD	5	394.16	324.02	140.30	202.06	192.78	158.94	0.95	1.51	5.63
Indigo-MusesT	5	442.99	382.50	147.42	236.29	197.36	149.57	1.47	1.44	5.25
LEDBAT	5	5.08	3.44	1.64	134.24	133.79	133.92	1.83	2.68	5.44
Muses_DecisionTree	5	362.14	315.08	159.90	183.38	167.25	146.03	1.10	1.43	5.14
Muses_DecisionTreeH0	5	239.47	215.01	206.27	265.58	253.98	207.14	6.84	7.79	6.58
Muses_DecisionTreeR0	5	354.64	315.66	180.24	171.43	206.96	148.12	1.04	1.65	4.66
PCC-Allegro	5	268.93	267.06	219.41	219.69	230.03	283.23	3.38	3.07	7.75
PCC-Expr	5	222.39	189.94	142.61	244.80	220.26	240.58	4.40	5.10	6.01
QUIC Cubic	5	48.69	47.93	37.40	132.69	132.85	132.68	1.34	1.70	0.76
SCReAM	5	0.15	0.16	0.16	133.02	132.92	132.86	0.88	1.40	2.45
Sprout	5	0.62	0.61	0.61	133.18	132.98	133.07	1.09	1.56	3.04
TaoVA-100x	5	133.52	145.08	29.02	143.37	149.38	136.20	0.80	1.54	3.16
TCP Vegas	5	321.39	292.81	229.81	202.44	218.43	219.21	1.36	1.91	4.60
Verus	5	54.38	53.05	38.50	218.73	218.35	176.12	3.04	3.66	3.01
PCC-Vivace	5	194.13	180.53	122.46	206.79	186.08	207.48	1.24	1.89	4.72
WebRTC media	5	0.06	0.07	0.06	132.46	132.58	132.32	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-10-03 10:50:19
End at: 2019-10-03 10:50:49
Local clock offset: 0.071 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-10-03 14:46:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 630.93 Mbit/s
95th percentile per-packet one-way delay: 330.397 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 357.76 Mbit/s
95th percentile per-packet one-way delay: 304.552 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 290.26 Mbit/s
95th percentile per-packet one-way delay: 328.095 ms
Loss rate: 6.21%
-- Flow 3:
Average throughput: 247.20 Mbit/s
95th percentile per-packet one-way delay: 412.363 ms
Loss rate: 16.18%

Run 1: Report of TCP BBR — Data Link

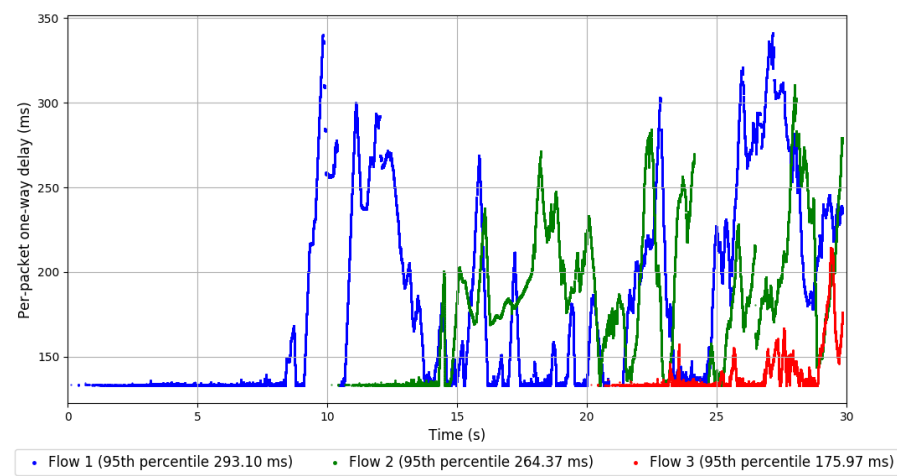
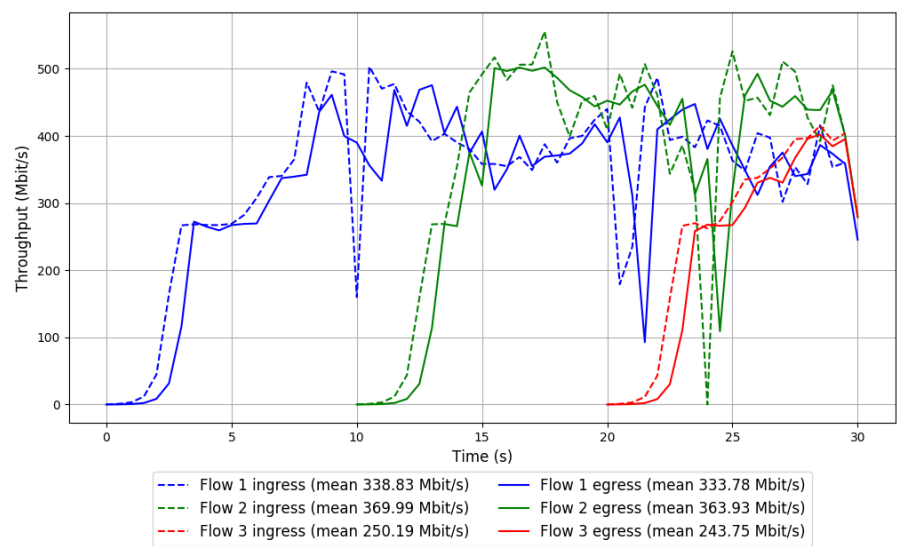


Run 2: Statistics of TCP BBR

Start at: 2019-10-03 11:33:45
End at: 2019-10-03 11:34:15
Local clock offset: 0.192 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2019-10-03 14:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 654.70 Mbit/s
95th percentile per-packet one-way delay: 278.972 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 333.78 Mbit/s
95th percentile per-packet one-way delay: 293.100 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 363.93 Mbit/s
95th percentile per-packet one-way delay: 264.367 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 243.75 Mbit/s
95th percentile per-packet one-way delay: 175.969 ms
Loss rate: 5.18%

Run 2: Report of TCP BBR — Data Link

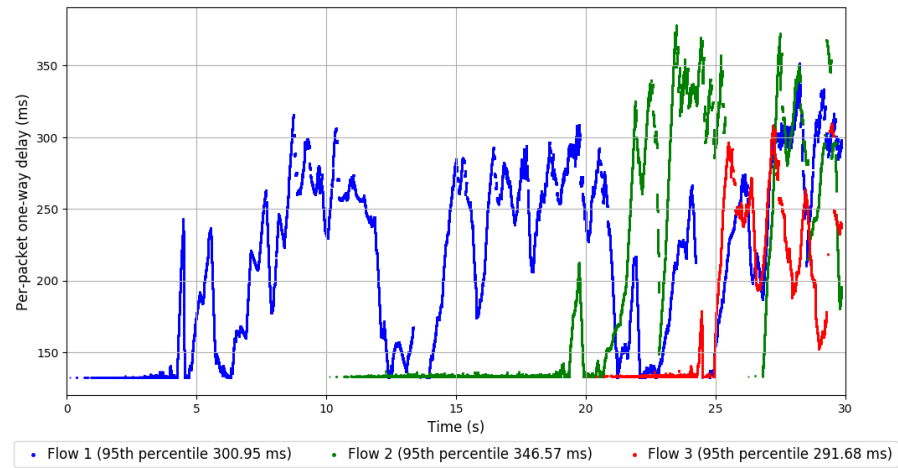
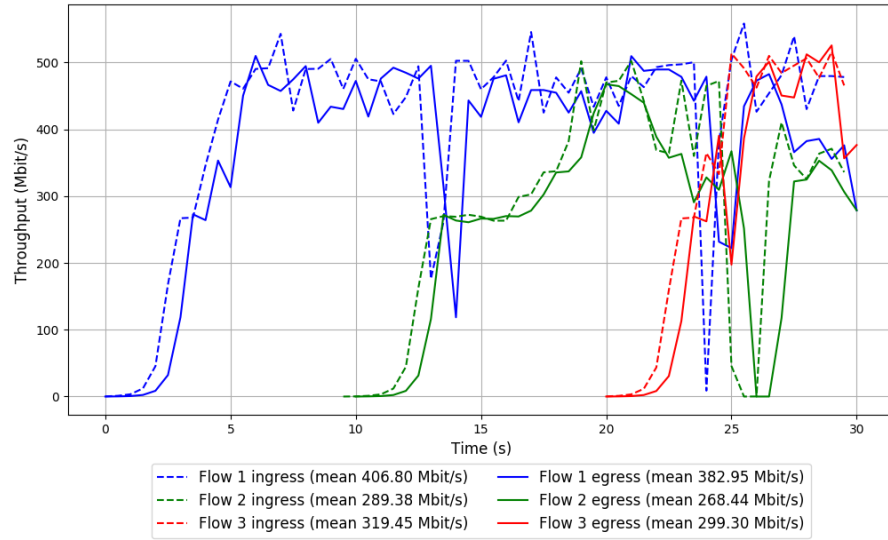


Run 3: Statistics of TCP BBR

Start at: 2019-10-03 12:16:42
End at: 2019-10-03 12:17:12
Local clock offset: 0.023 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-10-03 14:47:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 658.84 Mbit/s
95th percentile per-packet one-way delay: 319.763 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 382.95 Mbit/s
95th percentile per-packet one-way delay: 300.955 ms
Loss rate: 6.70%
-- Flow 2:
Average throughput: 268.44 Mbit/s
95th percentile per-packet one-way delay: 346.569 ms
Loss rate: 8.48%
-- Flow 3:
Average throughput: 299.30 Mbit/s
95th percentile per-packet one-way delay: 291.683 ms
Loss rate: 8.82%

Run 3: Report of TCP BBR — Data Link

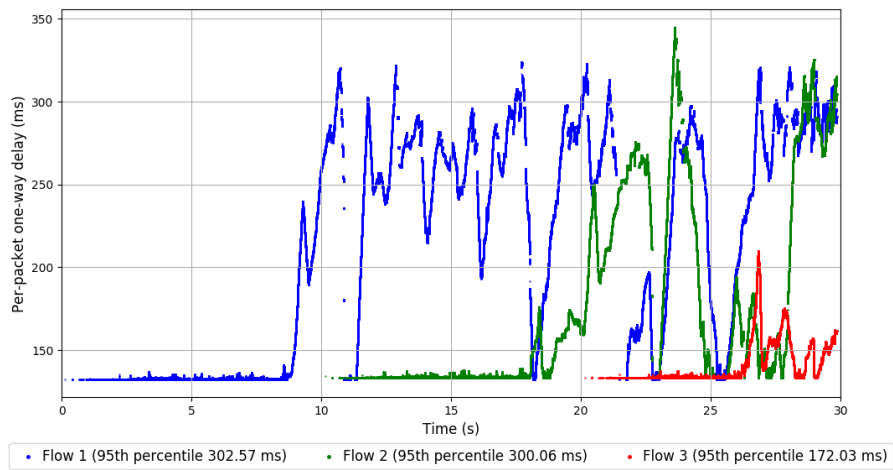
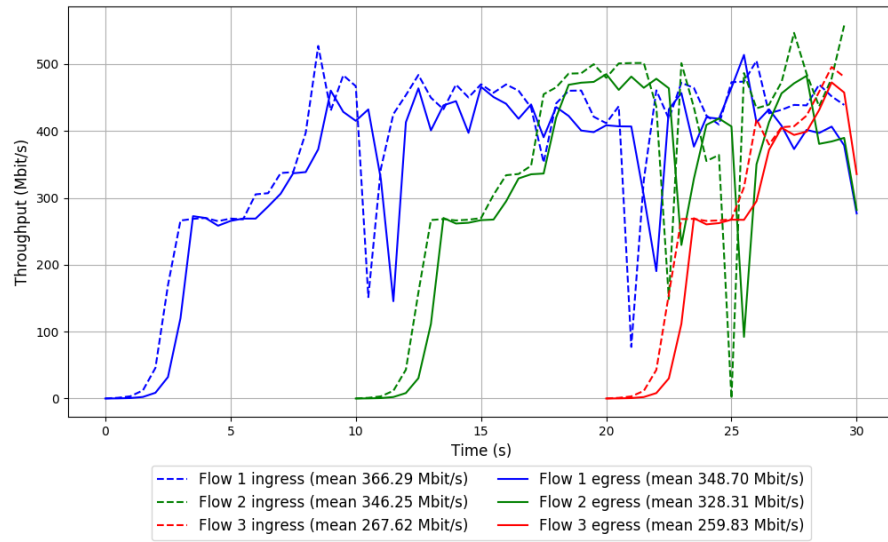


Run 4: Statistics of TCP BBR

Start at: 2019-10-03 12:59:43
End at: 2019-10-03 13:00:13
Local clock offset: 0.319 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-10-03 14:47:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 651.23 Mbit/s
95th percentile per-packet one-way delay: 300.055 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 348.70 Mbit/s
95th percentile per-packet one-way delay: 302.574 ms
Loss rate: 5.65%
-- Flow 2:
Average throughput: 328.31 Mbit/s
95th percentile per-packet one-way delay: 300.064 ms
Loss rate: 6.45%
-- Flow 3:
Average throughput: 259.83 Mbit/s
95th percentile per-packet one-way delay: 172.030 ms
Loss rate: 5.51%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-10-03 13:42:26

End at: 2019-10-03 13:42:56

Local clock offset: 0.069 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-10-03 14:47:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 610.17 Mbit/s

95th percentile per-packet one-way delay: 310.423 ms

Loss rate: 3.90%

-- Flow 1:

Average throughput: 339.52 Mbit/s

95th percentile per-packet one-way delay: 290.728 ms

Loss rate: 2.93%

-- Flow 2:

Average throughput: 312.34 Mbit/s

95th percentile per-packet one-way delay: 323.212 ms

Loss rate: 5.52%

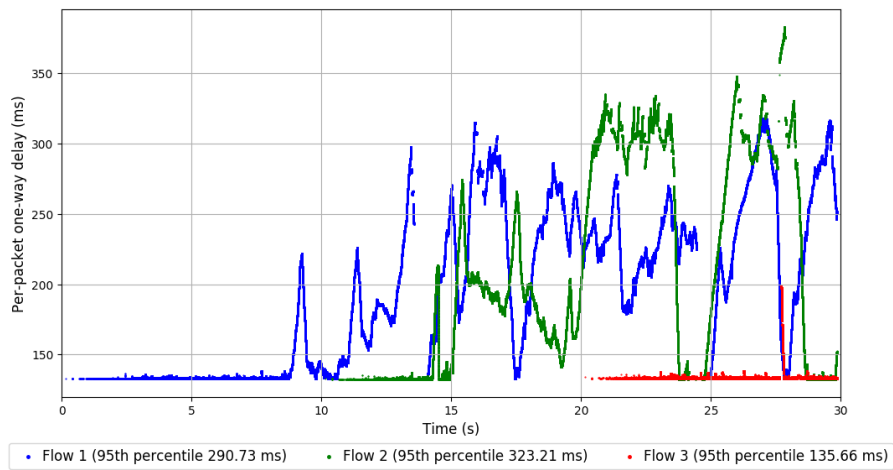
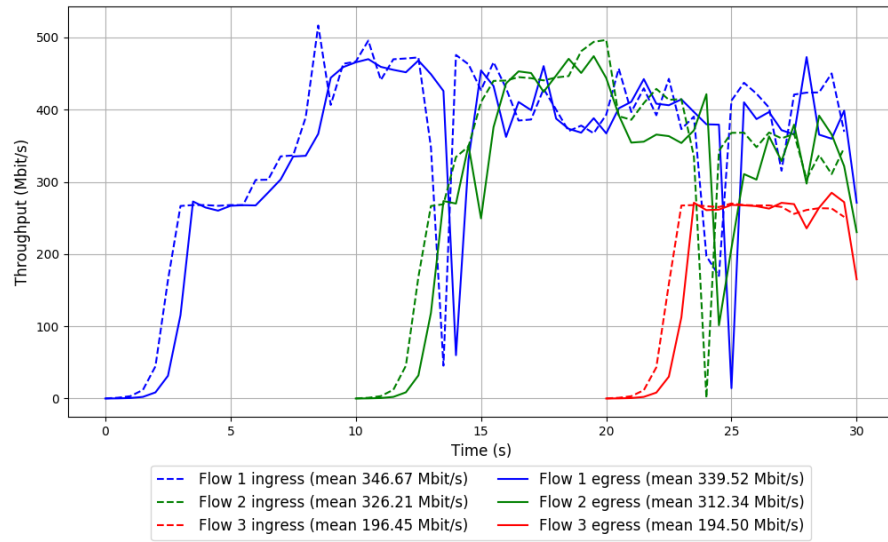
-- Flow 3:

Average throughput: 194.50 Mbit/s

95th percentile per-packet one-way delay: 135.659 ms

Loss rate: 3.64%

Run 5: Report of TCP BBR — Data Link

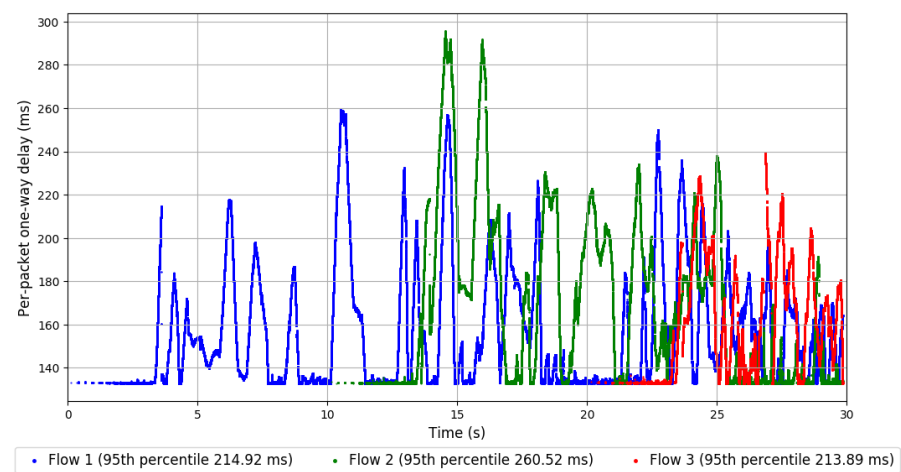
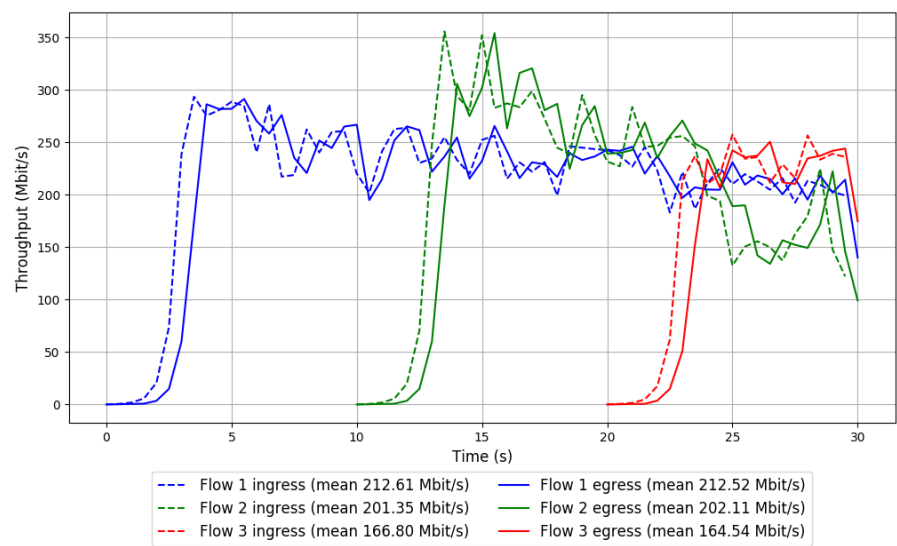


Run 1: Statistics of Copa

Start at: 2019-10-03 11:12:24
End at: 2019-10-03 11:12:54
Local clock offset: -0.032 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-10-03 14:48:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.16 Mbit/s
95th percentile per-packet one-way delay: 227.130 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 212.52 Mbit/s
95th percentile per-packet one-way delay: 214.921 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 260.522 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 164.54 Mbit/s
95th percentile per-packet one-way delay: 213.891 ms
Loss rate: 4.01%

Run 1: Report of Copa — Data Link

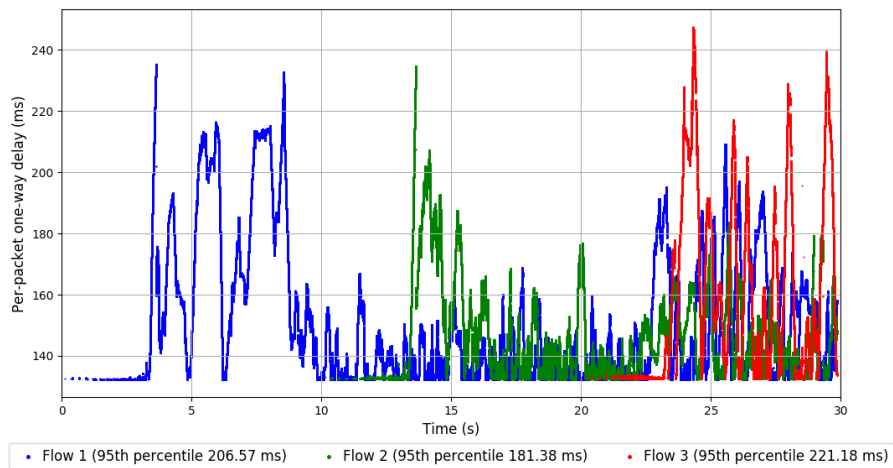
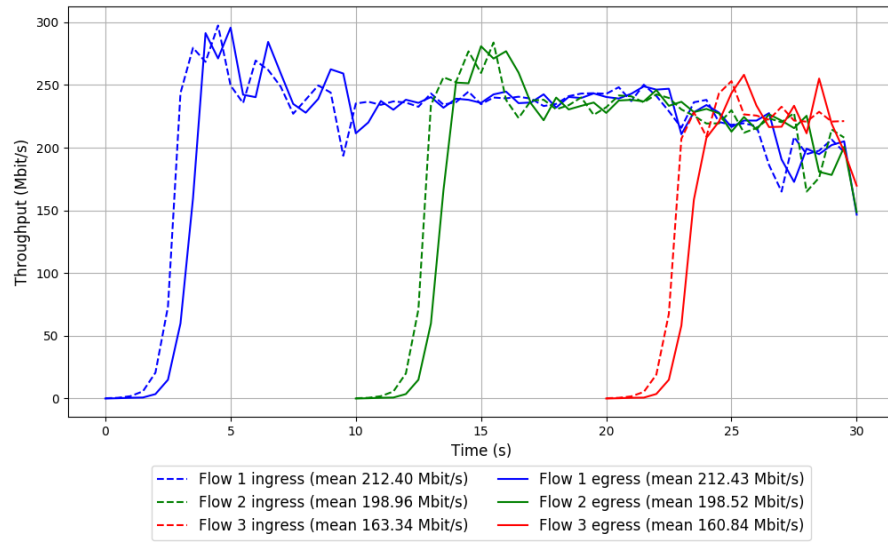


Run 2: Statistics of Copa

Start at: 2019-10-03 11:55:34
End at: 2019-10-03 11:56:04
Local clock offset: -0.475 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-10-03 14:48:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.59 Mbit/s
95th percentile per-packet one-way delay: 204.819 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 212.43 Mbit/s
95th percentile per-packet one-way delay: 206.571 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 198.52 Mbit/s
95th percentile per-packet one-way delay: 181.381 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 160.84 Mbit/s
95th percentile per-packet one-way delay: 221.176 ms
Loss rate: 4.15%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-10-03 12:38:53

End at: 2019-10-03 12:39:23

Local clock offset: -0.371 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2019-10-03 14:48:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 400.10 Mbit/s

95th percentile per-packet one-way delay: 227.542 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 208.72 Mbit/s

95th percentile per-packet one-way delay: 220.971 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 215.53 Mbit/s

95th percentile per-packet one-way delay: 240.469 ms

Loss rate: 1.48%

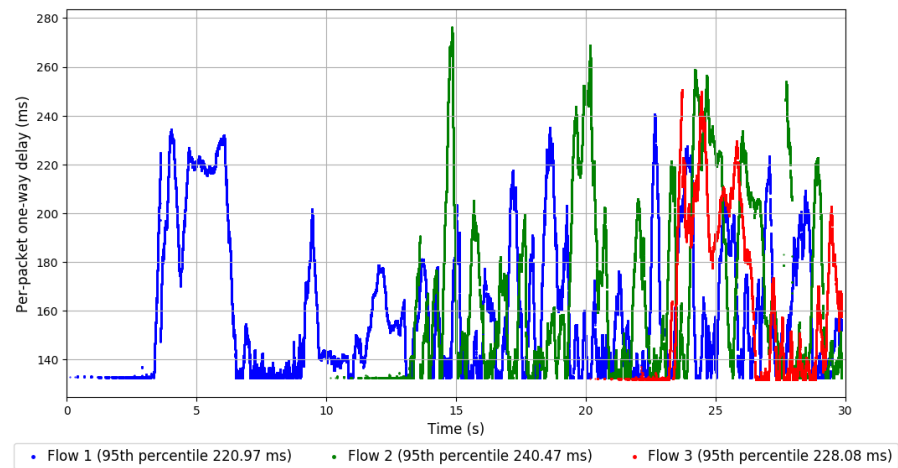
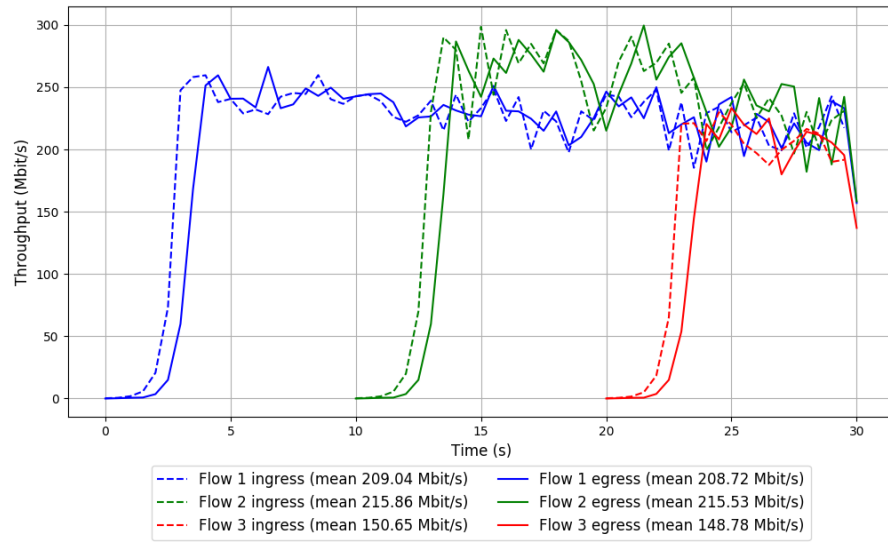
-- Flow 3:

Average throughput: 148.78 Mbit/s

95th percentile per-packet one-way delay: 228.078 ms

Loss rate: 3.88%

Run 3: Report of Copa — Data Link

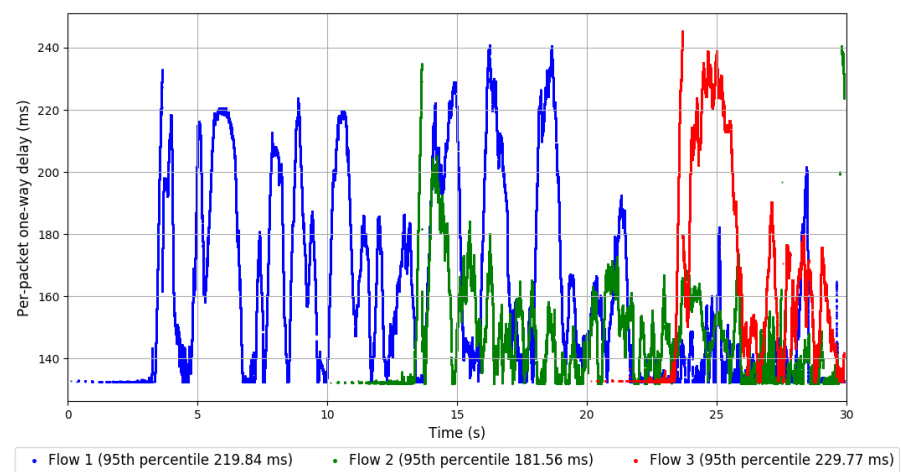
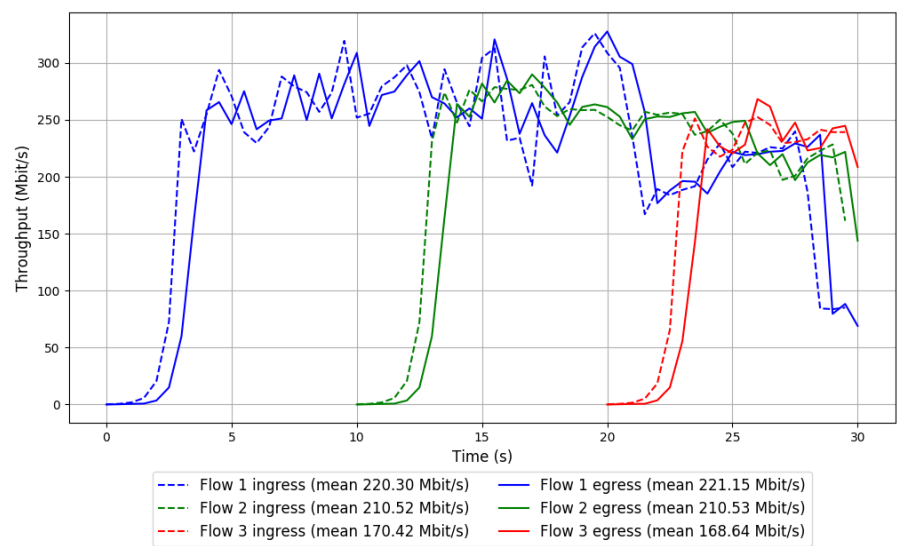


Run 4: Statistics of Copa

Start at: 2019-10-03 13:21:26
End at: 2019-10-03 13:21:56
Local clock offset: -0.221 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-10-03 15:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.15 Mbit/s
95th percentile per-packet one-way delay: 219.623 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 221.15 Mbit/s
95th percentile per-packet one-way delay: 219.842 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 210.53 Mbit/s
95th percentile per-packet one-way delay: 181.559 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 168.64 Mbit/s
95th percentile per-packet one-way delay: 229.772 ms
Loss rate: 3.02%

Run 4: Report of Copa — Data Link

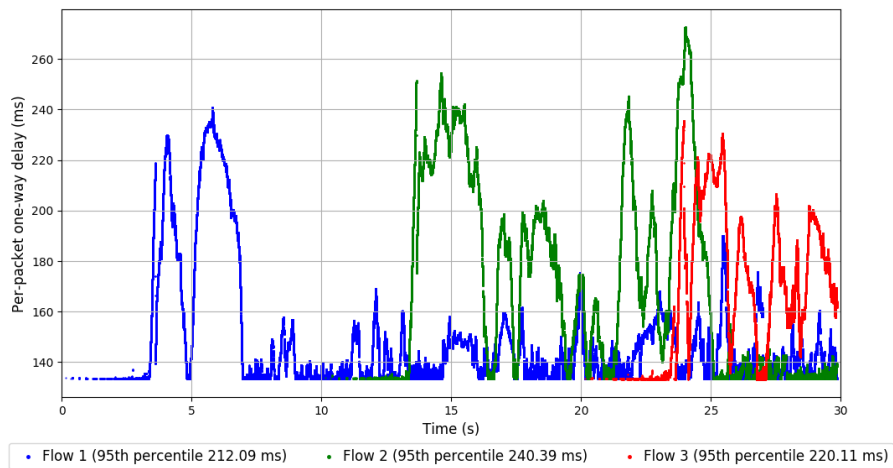
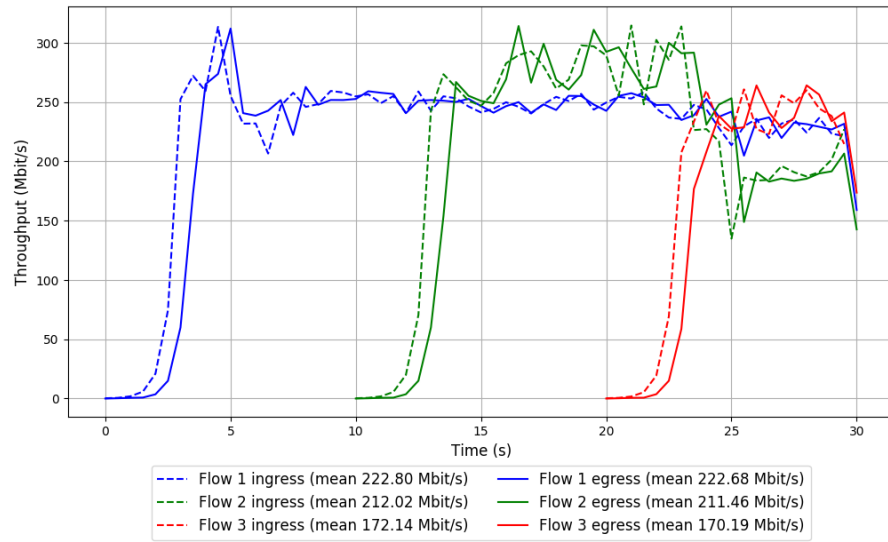


Run 5: Statistics of Copa

Start at: 2019-10-03 14:04:17
End at: 2019-10-03 14:04:47
Local clock offset: 0.287 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-10-03 15:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.40 Mbit/s
95th percentile per-packet one-way delay: 228.716 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 222.68 Mbit/s
95th percentile per-packet one-way delay: 212.093 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 211.46 Mbit/s
95th percentile per-packet one-way delay: 240.393 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 170.19 Mbit/s
95th percentile per-packet one-way delay: 220.110 ms
Loss rate: 3.78%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-10-03 11:09:07

End at: 2019-10-03 11:09:37

Local clock offset: -0.494 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-10-03 15:03:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 627.04 Mbit/s

95th percentile per-packet one-way delay: 277.068 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 361.10 Mbit/s

95th percentile per-packet one-way delay: 276.092 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 267.32 Mbit/s

95th percentile per-packet one-way delay: 243.734 ms

Loss rate: 2.05%

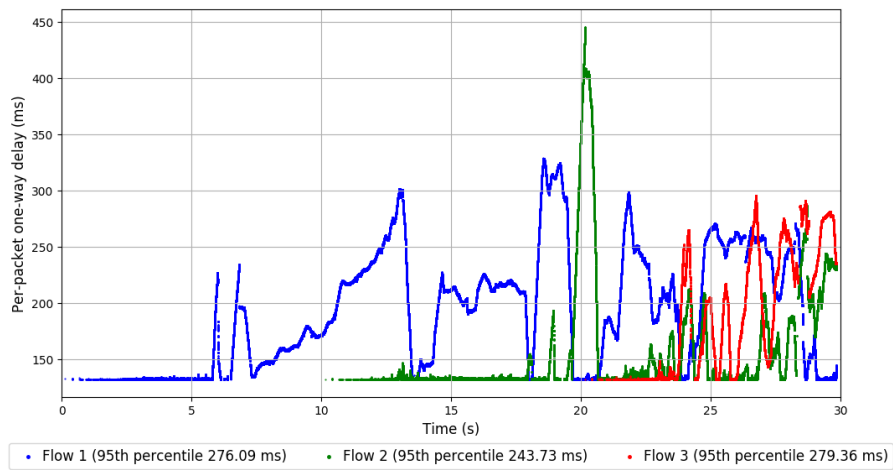
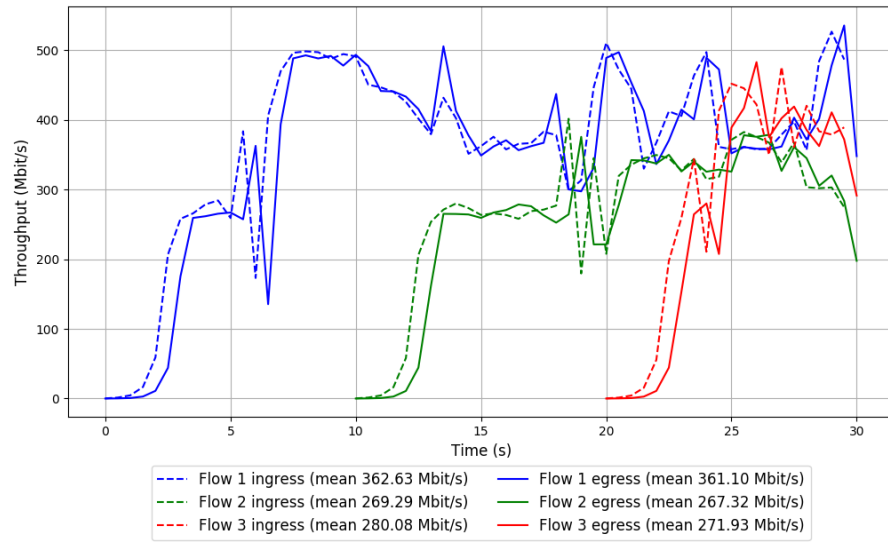
-- Flow 3:

Average throughput: 271.93 Mbit/s

95th percentile per-packet one-way delay: 279.360 ms

Loss rate: 5.52%

Run 1: Report of TCP Cubic — Data Link

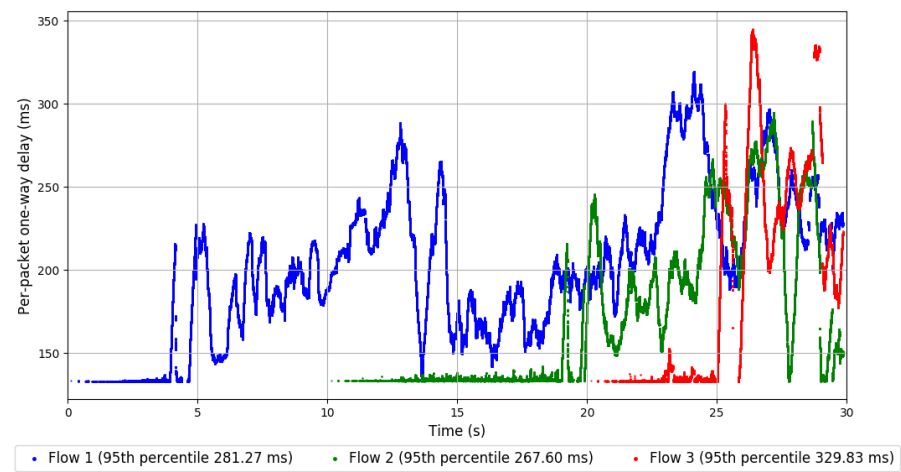
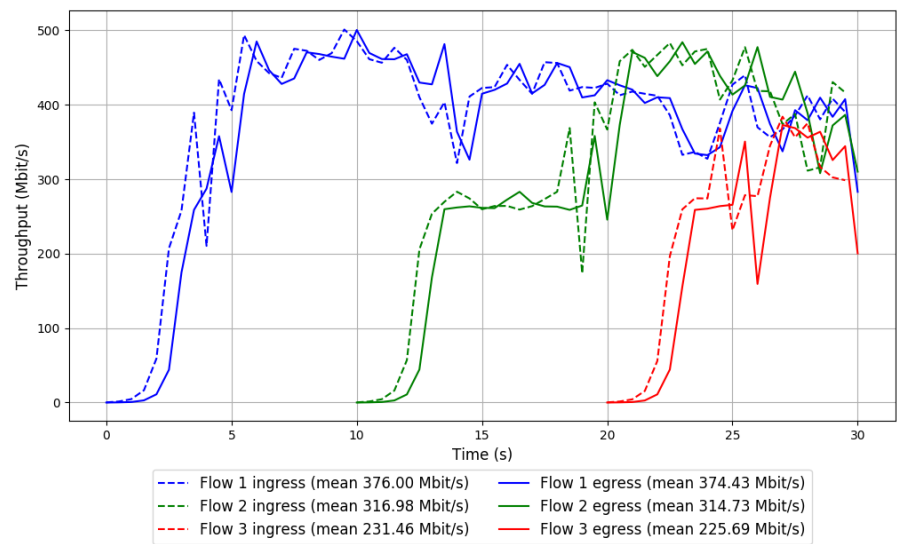


Run 2: Statistics of TCP Cubic

Start at: 2019-10-03 11:52:15
End at: 2019-10-03 11:52:45
Local clock offset: 0.114 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-10-03 15:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 656.85 Mbit/s
95th percentile per-packet one-way delay: 280.073 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 374.43 Mbit/s
95th percentile per-packet one-way delay: 281.274 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 314.73 Mbit/s
95th percentile per-packet one-way delay: 267.603 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 225.69 Mbit/s
95th percentile per-packet one-way delay: 329.828 ms
Loss rate: 5.10%

Run 2: Report of TCP Cubic — Data Link

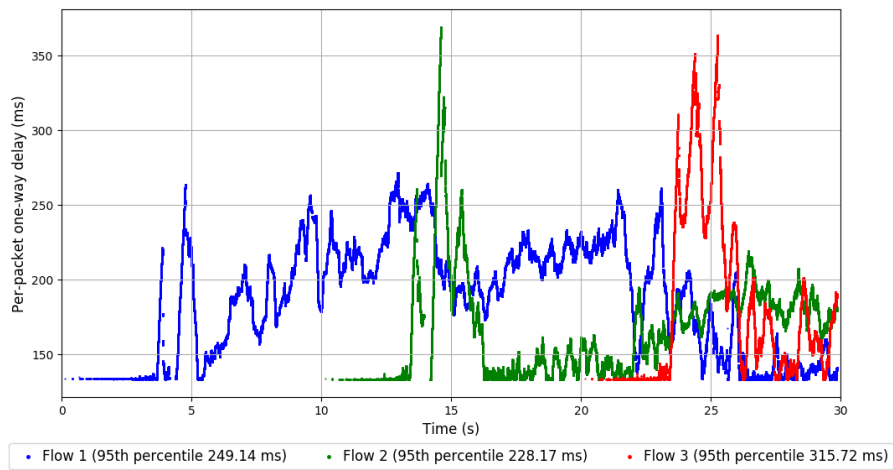
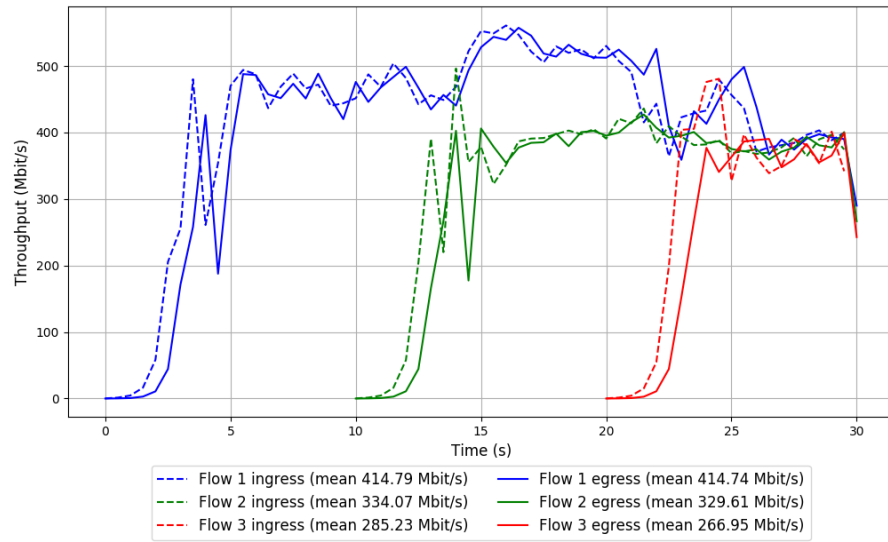


Run 3: Statistics of TCP Cubic

Start at: 2019-10-03 12:35:30
End at: 2019-10-03 12:36:00
Local clock offset: 0.03 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2019-10-03 15:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 720.47 Mbit/s
95th percentile per-packet one-way delay: 252.802 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 414.74 Mbit/s
95th percentile per-packet one-way delay: 249.140 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 329.61 Mbit/s
95th percentile per-packet one-way delay: 228.166 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 266.95 Mbit/s
95th percentile per-packet one-way delay: 315.716 ms
Loss rate: 8.90%

Run 3: Report of TCP Cubic — Data Link

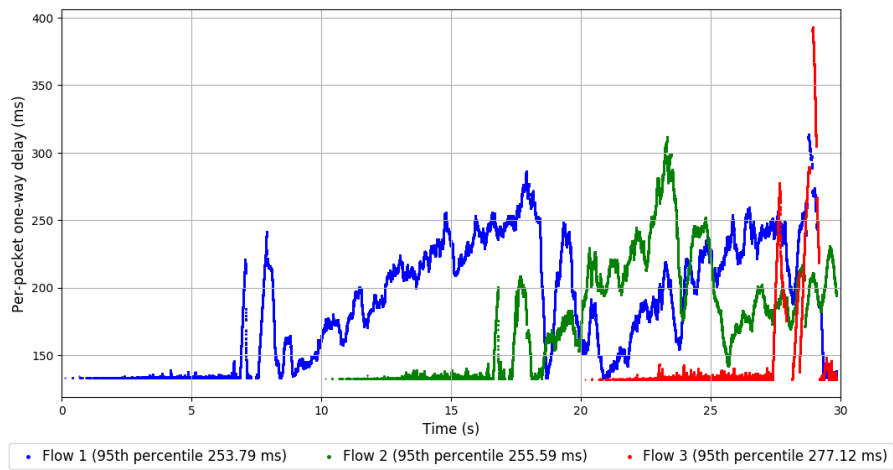
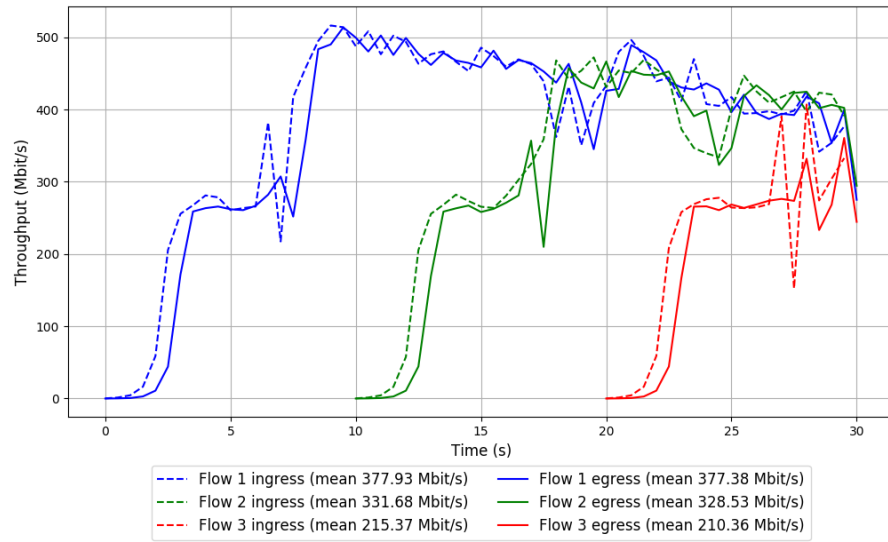


Run 4: Statistics of TCP Cubic

Start at: 2019-10-03 13:18:06
End at: 2019-10-03 13:18:36
Local clock offset: 0.101 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-10-03 15:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 663.90 Mbit/s
95th percentile per-packet one-way delay: 254.931 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 377.38 Mbit/s
95th percentile per-packet one-way delay: 253.795 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 328.53 Mbit/s
95th percentile per-packet one-way delay: 255.589 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 210.36 Mbit/s
95th percentile per-packet one-way delay: 277.116 ms
Loss rate: 4.92%

Run 4: Report of TCP Cubic — Data Link

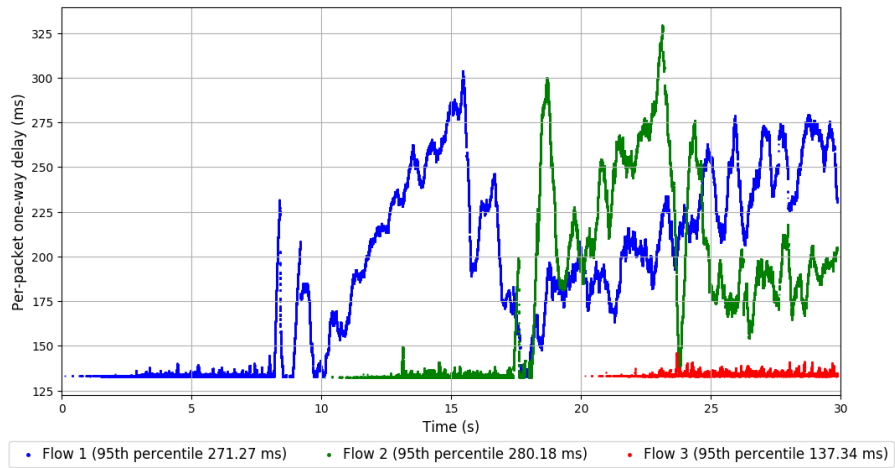
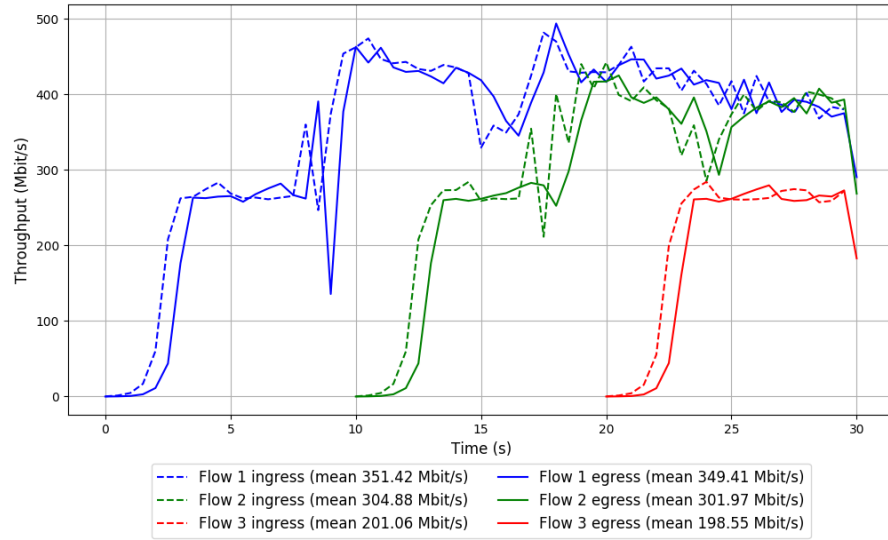


Run 5: Statistics of TCP Cubic

Start at: 2019-10-03 14:01:01
End at: 2019-10-03 14:01:31
Local clock offset: 0.033 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-10-03 15:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 614.60 Mbit/s
95th percentile per-packet one-way delay: 271.742 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 349.41 Mbit/s
95th percentile per-packet one-way delay: 271.266 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 301.97 Mbit/s
95th percentile per-packet one-way delay: 280.184 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 198.55 Mbit/s
95th percentile per-packet one-way delay: 137.335 ms
Loss rate: 3.89%

Run 5: Report of TCP Cubic — Data Link

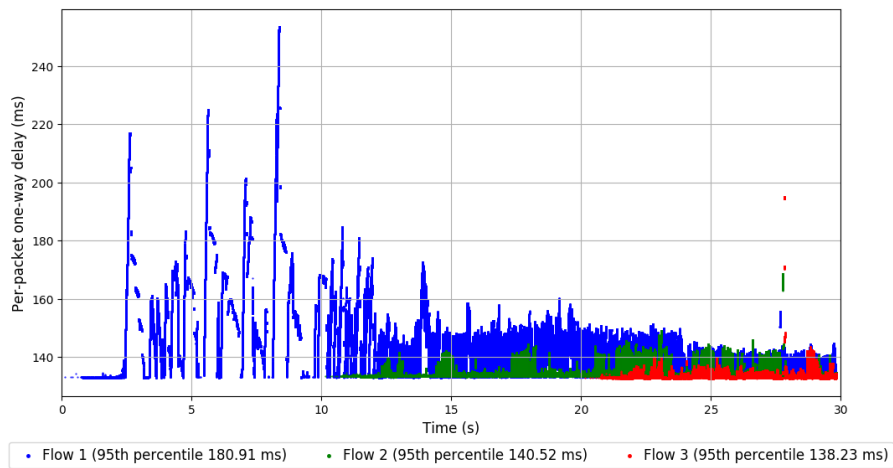
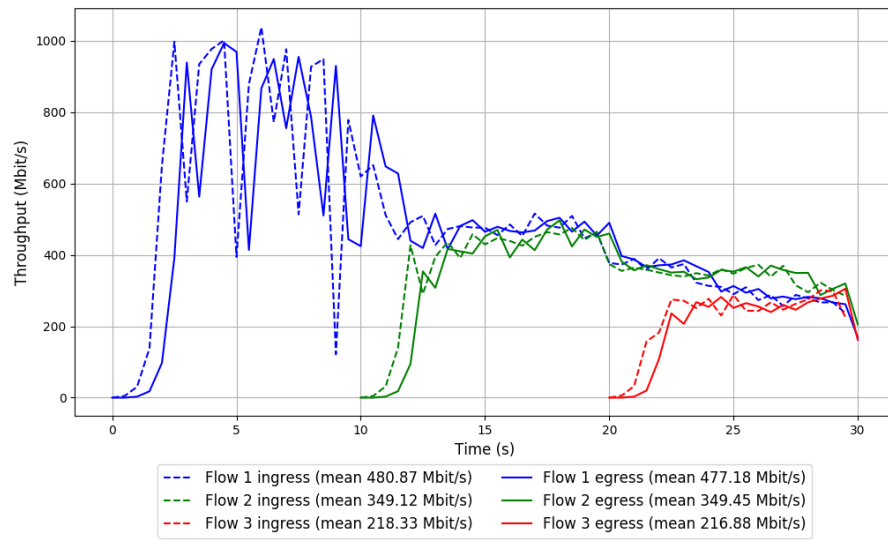


Run 1: Statistics of FillP

Start at: 2019-10-03 10:57:25
End at: 2019-10-03 10:57:55
Local clock offset: 0.161 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-10-03 15:08:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 779.08 Mbit/s
95th percentile per-packet one-way delay: 174.897 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 477.18 Mbit/s
95th percentile per-packet one-way delay: 180.905 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 349.45 Mbit/s
95th percentile per-packet one-way delay: 140.521 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 216.88 Mbit/s
95th percentile per-packet one-way delay: 138.226 ms
Loss rate: 3.24%

Run 1: Report of FillP — Data Link

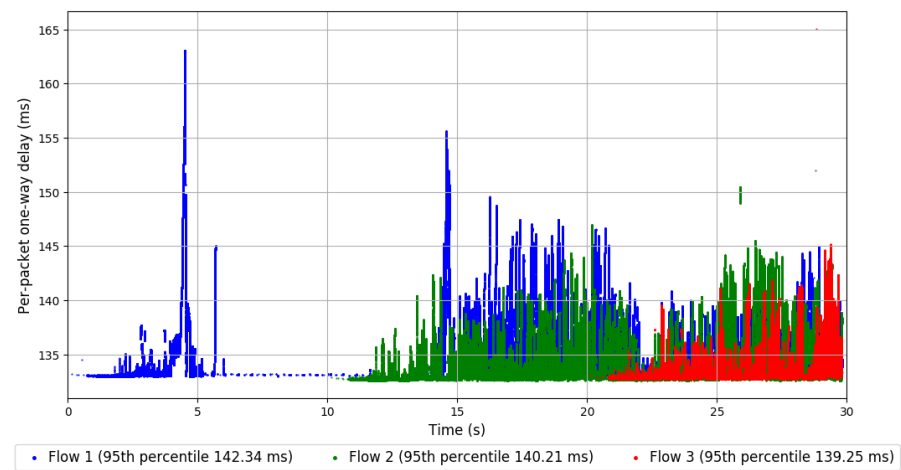
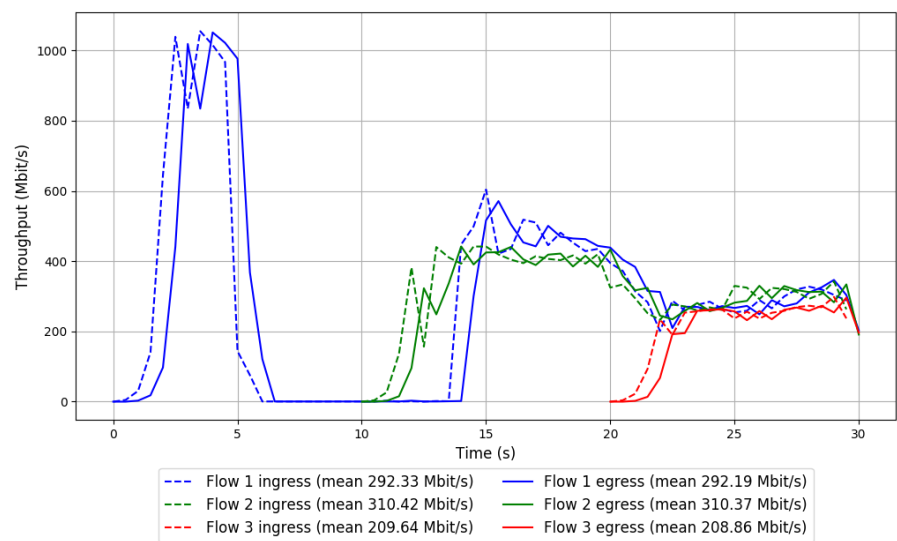


Run 2: Statistics of FillP

Start at: 2019-10-03 11:40:57
End at: 2019-10-03 11:41:27
Local clock offset: -0.048 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-10-03 15:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 565.95 Mbit/s
95th percentile per-packet one-way delay: 140.918 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 292.19 Mbit/s
95th percentile per-packet one-way delay: 142.335 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 310.37 Mbit/s
95th percentile per-packet one-way delay: 140.209 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 208.86 Mbit/s
95th percentile per-packet one-way delay: 139.255 ms
Loss rate: 3.01%

Run 2: Report of FillP — Data Link

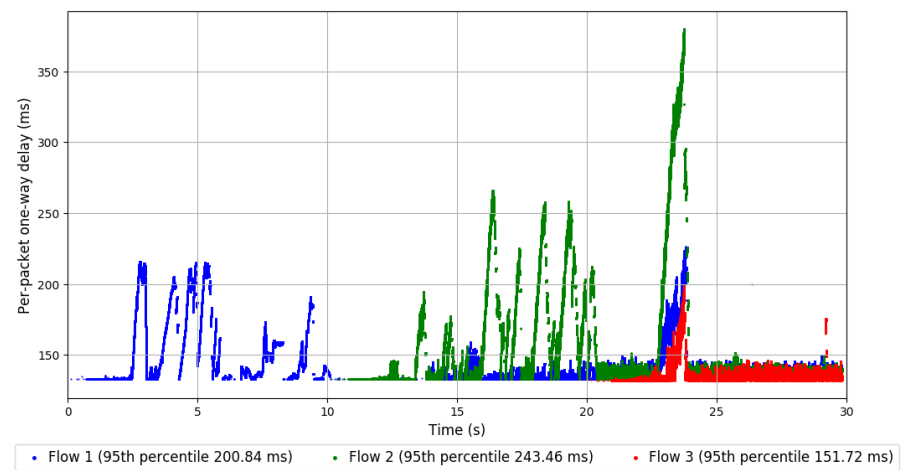
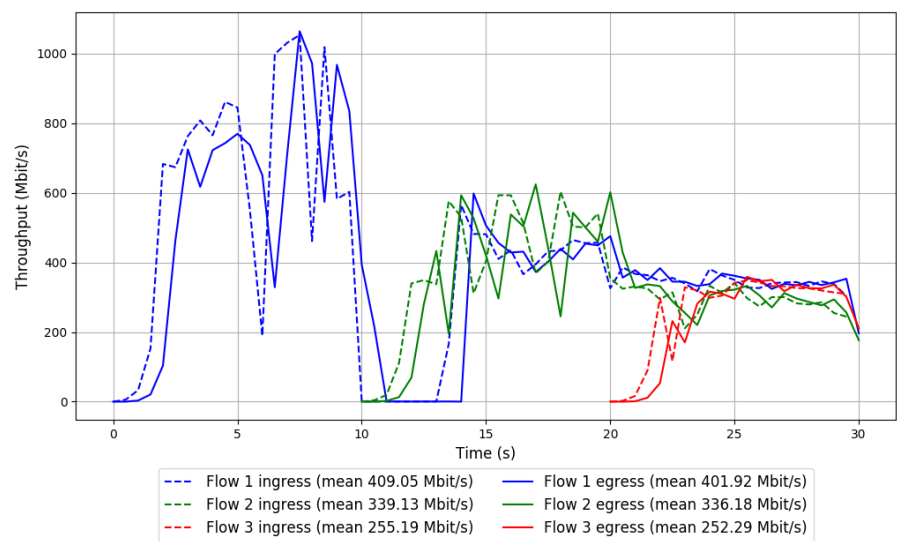


Run 3: Statistics of FillP

Start at: 2019-10-03 12:23:55
End at: 2019-10-03 12:24:25
Local clock offset: 0.046 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-10-03 15:20:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 706.55 Mbit/s
95th percentile per-packet one-way delay: 208.350 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 401.92 Mbit/s
95th percentile per-packet one-way delay: 200.841 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 336.18 Mbit/s
95th percentile per-packet one-way delay: 243.455 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 252.29 Mbit/s
95th percentile per-packet one-way delay: 151.721 ms
Loss rate: 3.70%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-10-03 13:06:56

End at: 2019-10-03 13:07:26

Local clock offset: 0.507 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-10-03 15:20:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.89 Mbit/s

95th percentile per-packet one-way delay: 180.680 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 107.79 Mbit/s

95th percentile per-packet one-way delay: 200.765 ms

Loss rate: 3.22%

-- Flow 2:

Average throughput: 363.26 Mbit/s

95th percentile per-packet one-way delay: 144.140 ms

Loss rate: 1.22%

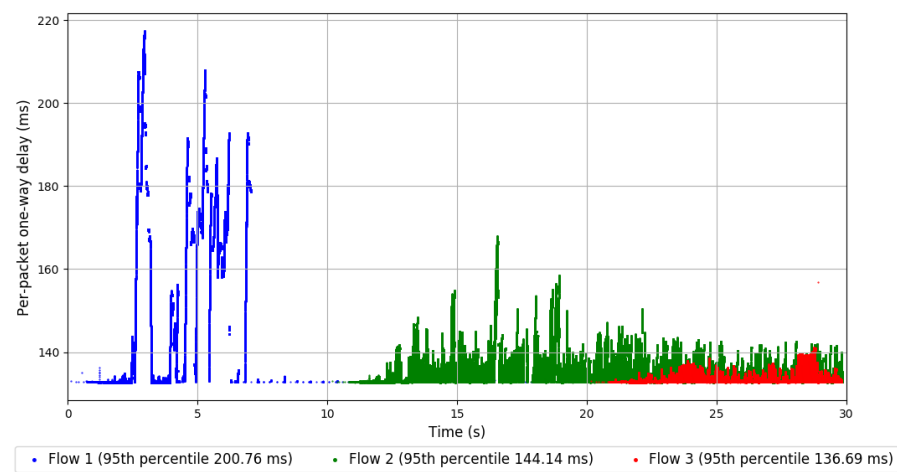
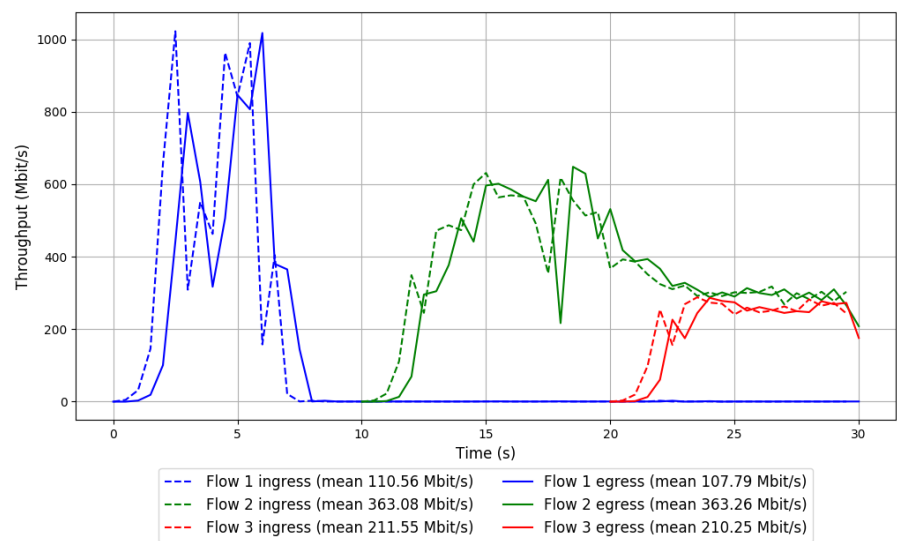
-- Flow 3:

Average throughput: 210.25 Mbit/s

95th percentile per-packet one-way delay: 136.694 ms

Loss rate: 3.45%

Run 4: Report of FillP — Data Link

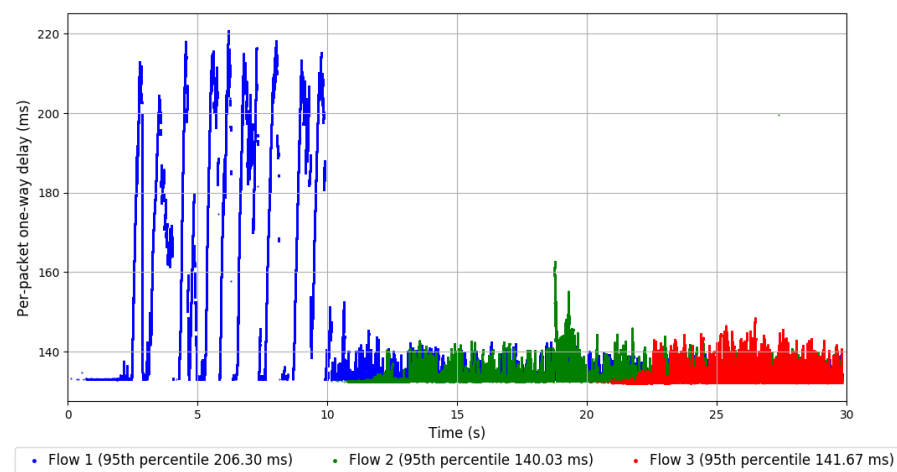
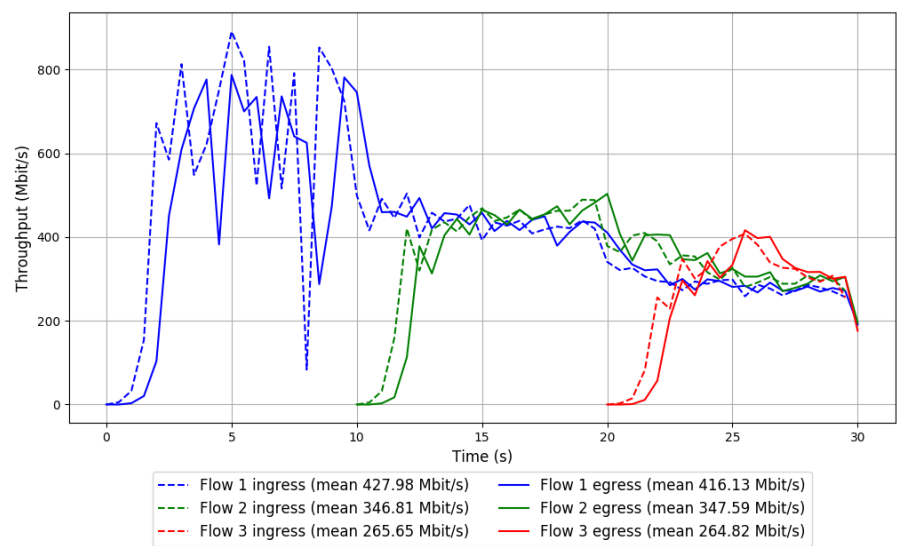


Run 5: Statistics of FillP

Start at: 2019-10-03 13:49:38
End at: 2019-10-03 13:50:08
Local clock offset: 0.024 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-10-03 15:22:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 732.52 Mbit/s
95th percentile per-packet one-way delay: 201.485 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 416.13 Mbit/s
95th percentile per-packet one-way delay: 206.302 ms
Loss rate: 3.59%
-- Flow 2:
Average throughput: 347.59 Mbit/s
95th percentile per-packet one-way delay: 140.025 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 264.82 Mbit/s
95th percentile per-packet one-way delay: 141.668 ms
Loss rate: 2.94%

Run 5: Report of FillP — Data Link

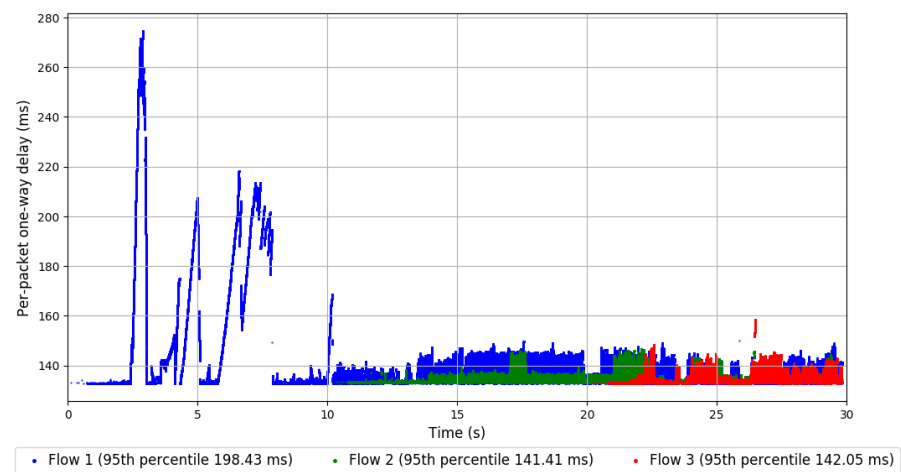
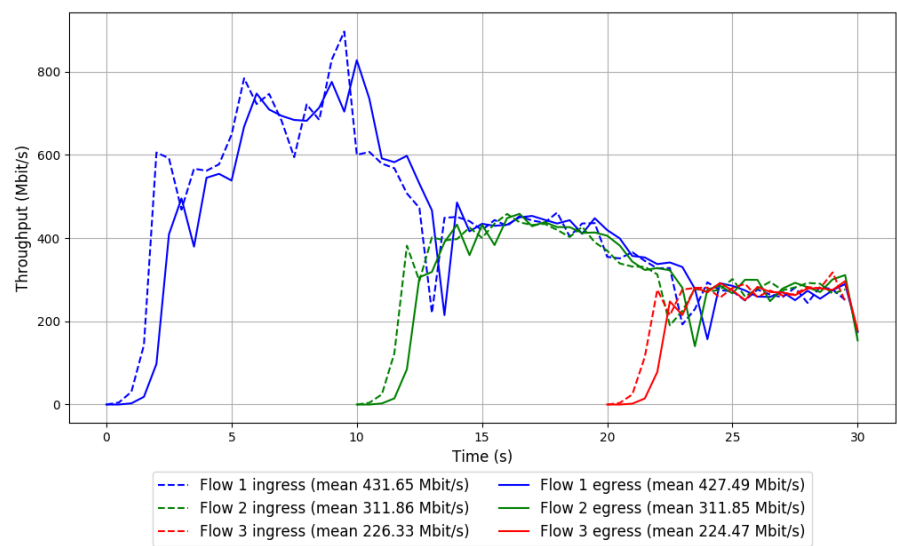


Run 1: Statistics of FillP-Sheep

Start at: 2019-10-03 10:48:25
End at: 2019-10-03 10:48:55
Local clock offset: 0.052 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-10-03 15:22:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 706.91 Mbit/s
95th percentile per-packet one-way delay: 188.716 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 427.49 Mbit/s
95th percentile per-packet one-way delay: 198.428 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 311.85 Mbit/s
95th percentile per-packet one-way delay: 141.406 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 224.47 Mbit/s
95th percentile per-packet one-way delay: 142.052 ms
Loss rate: 3.65%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-10-03 11:31:51

End at: 2019-10-03 11:32:21

Local clock offset: -0.263 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-10-03 15:22:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 677.00 Mbit/s

95th percentile per-packet one-way delay: 209.802 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 395.46 Mbit/s

95th percentile per-packet one-way delay: 220.738 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 299.49 Mbit/s

95th percentile per-packet one-way delay: 175.193 ms

Loss rate: 1.27%

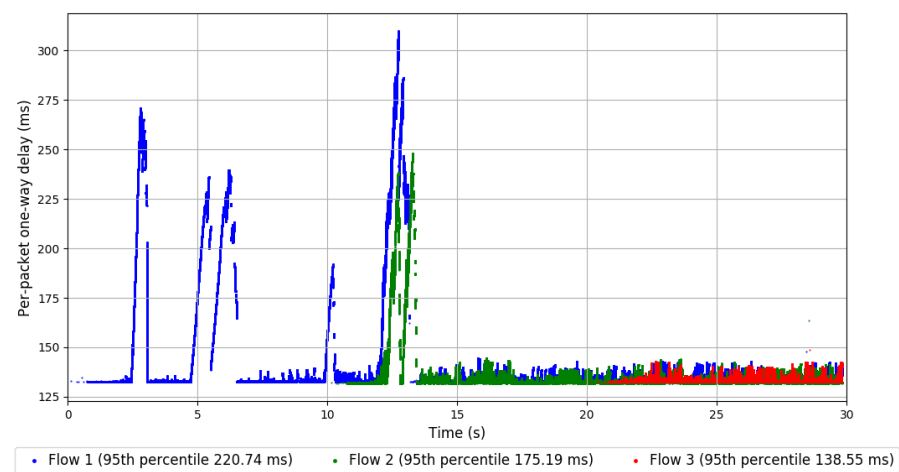
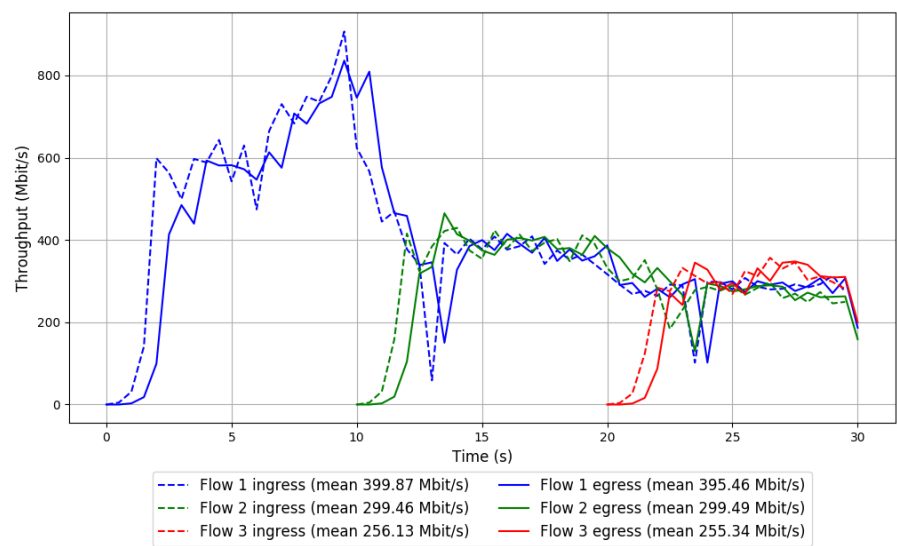
-- Flow 3:

Average throughput: 255.34 Mbit/s

95th percentile per-packet one-way delay: 138.549 ms

Loss rate: 3.02%

Run 2: Report of FillP-Sheep — Data Link

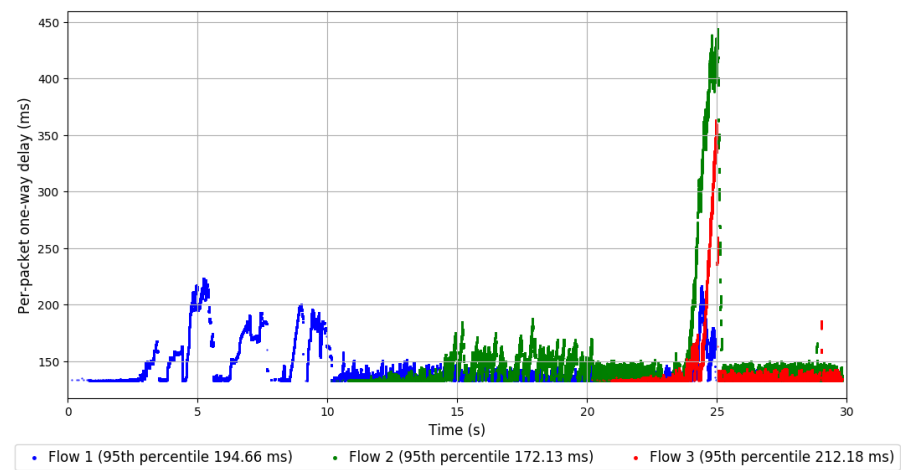
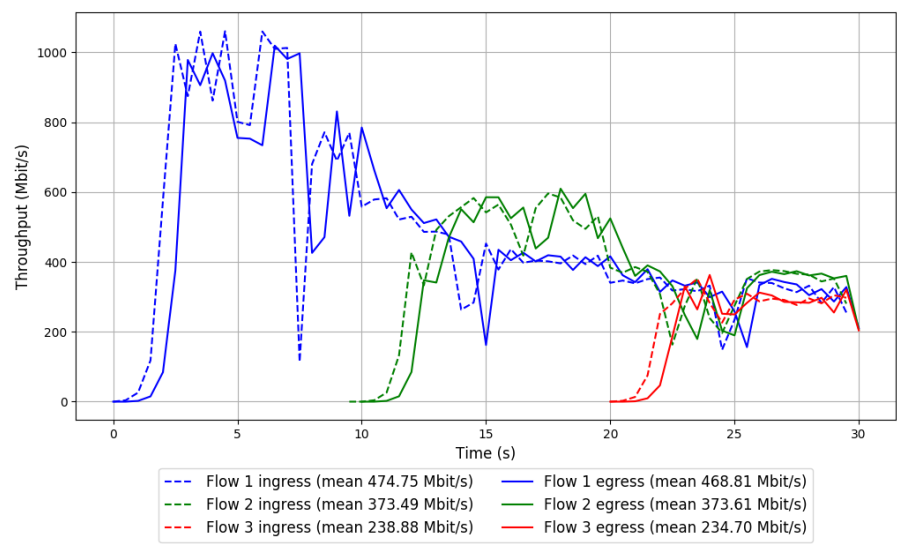


Run 3: Statistics of FillP-Sheep

Start at: 2019-10-03 12:14:43
End at: 2019-10-03 12:15:13
Local clock offset: 0.175 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-10-03 15:24:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 792.72 Mbit/s
95th percentile per-packet one-way delay: 192.062 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 468.81 Mbit/s
95th percentile per-packet one-way delay: 194.663 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 373.61 Mbit/s
95th percentile per-packet one-way delay: 172.134 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 234.70 Mbit/s
95th percentile per-packet one-way delay: 212.180 ms
Loss rate: 4.35%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-10-03 12:57:47

End at: 2019-10-03 12:58:17

Local clock offset: 0.339 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2019-10-03 15:29:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 736.83 Mbit/s

95th percentile per-packet one-way delay: 171.354 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 462.78 Mbit/s

95th percentile per-packet one-way delay: 181.081 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 299.84 Mbit/s

95th percentile per-packet one-way delay: 139.204 ms

Loss rate: 1.26%

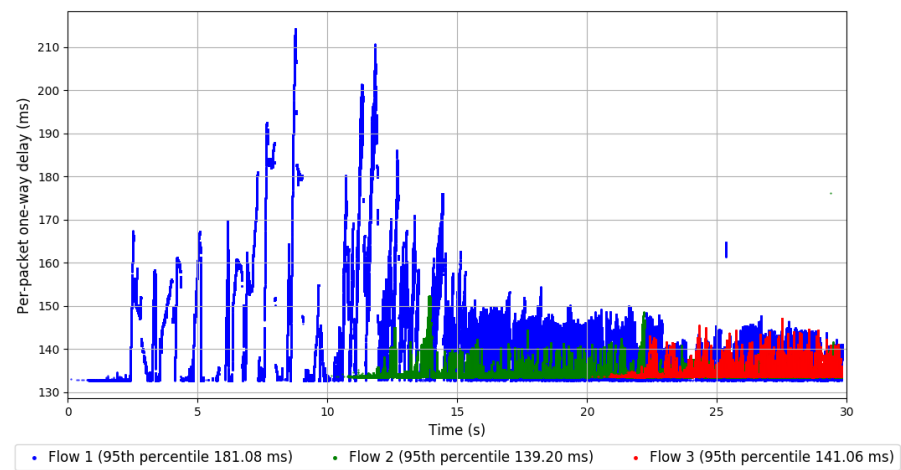
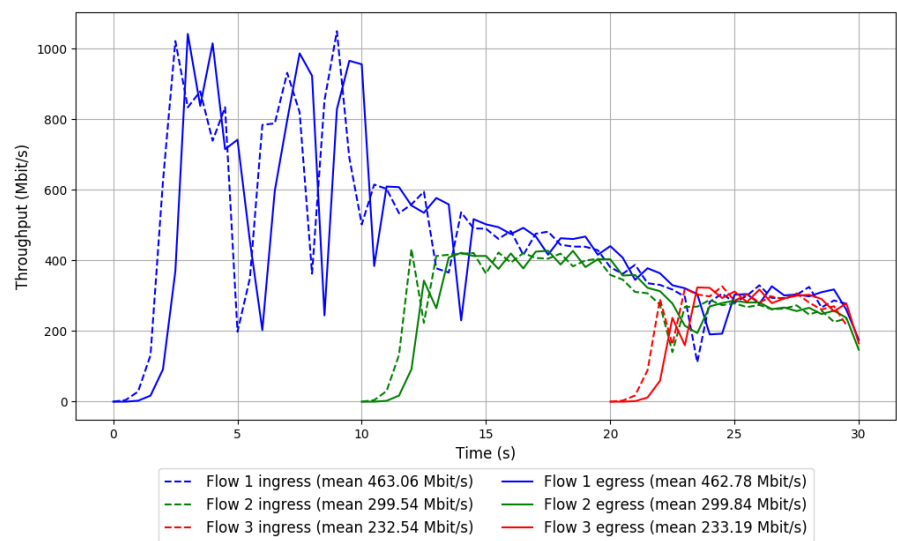
-- Flow 3:

Average throughput: 233.19 Mbit/s

95th percentile per-packet one-way delay: 141.059 ms

Loss rate: 2.57%

Run 4: Report of FillP-Sheep — Data Link

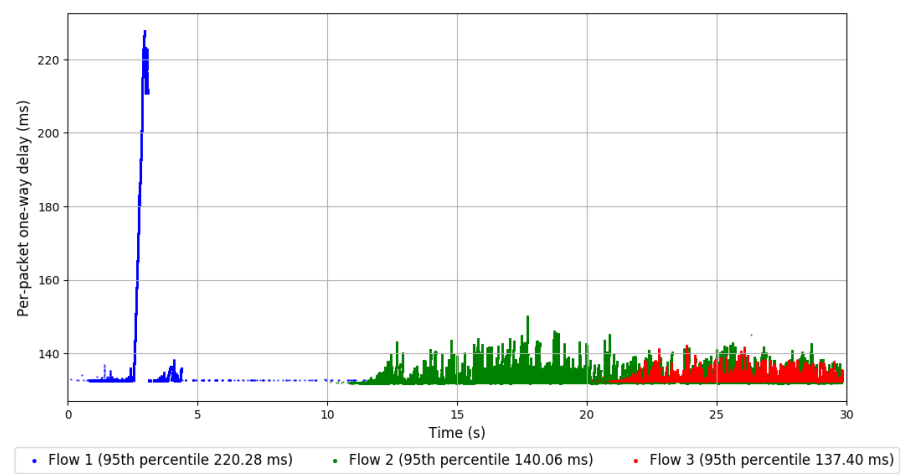
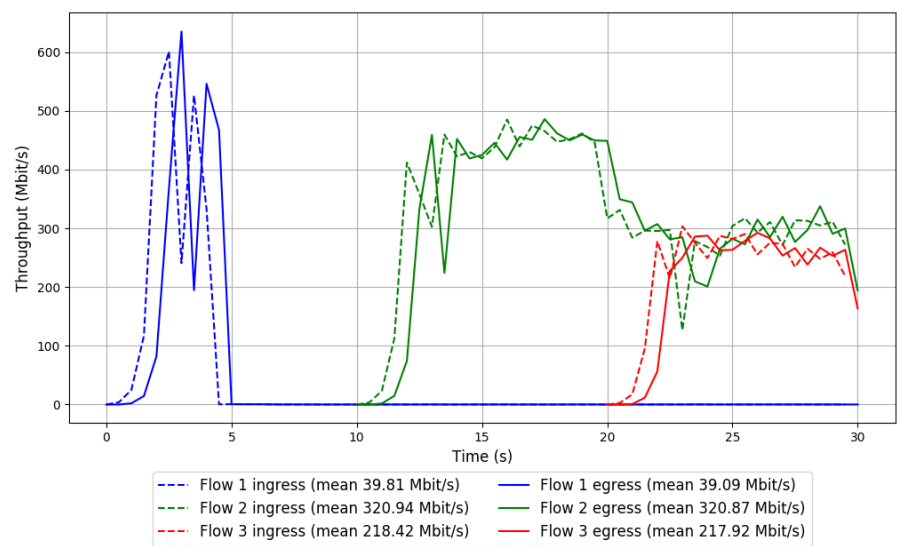


Run 5: Statistics of FillP-Sheep

Start at: 2019-10-03 13:40:51
End at: 2019-10-03 13:41:21
Local clock offset: -0.524 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-10-03 15:29:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.55 Mbit/s
95th percentile per-packet one-way delay: 141.491 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 220.285 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 320.87 Mbit/s
95th percentile per-packet one-way delay: 140.064 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 217.92 Mbit/s
95th percentile per-packet one-way delay: 137.399 ms
Loss rate: 2.79%

Run 5: Report of FillP-Sheep — Data Link

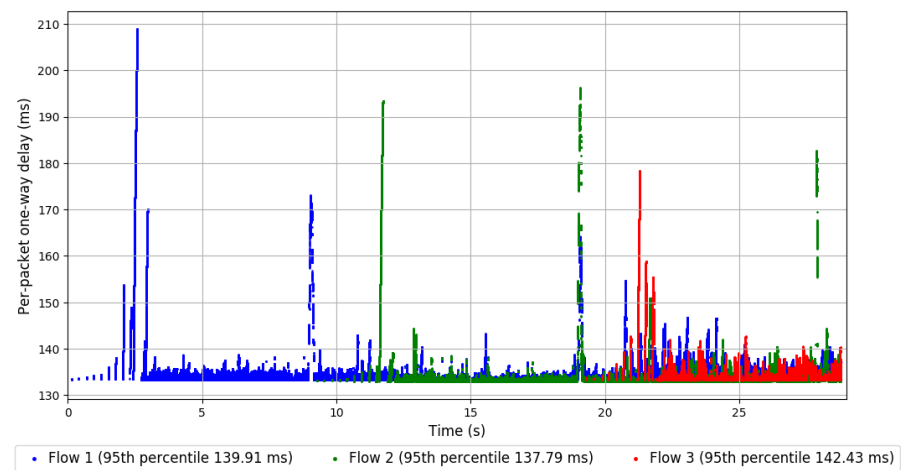
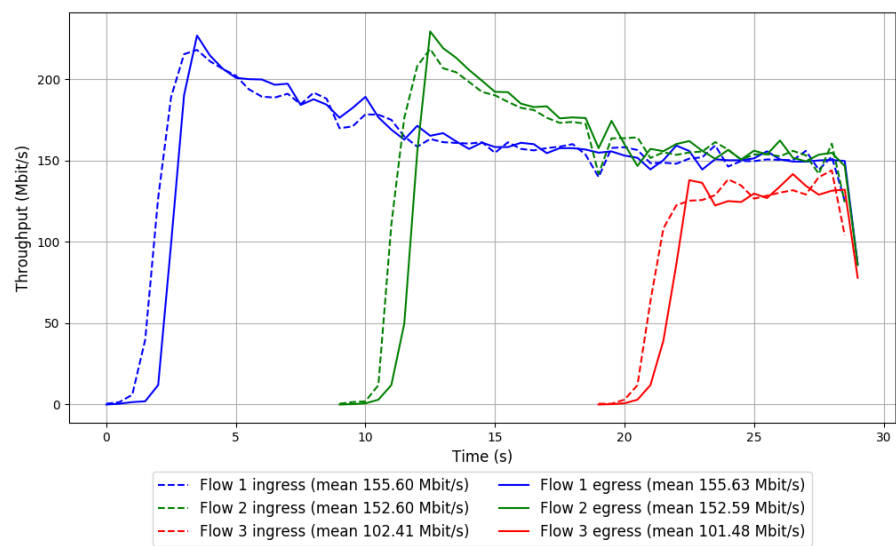


Run 1: Statistics of Indigo

Start at: 2019-10-03 10:59:23
End at: 2019-10-03 10:59:53
Local clock offset: -0.072 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2019-10-03 15:29:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.07 Mbit/s
95th percentile per-packet one-way delay: 139.263 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 155.63 Mbit/s
95th percentile per-packet one-way delay: 139.911 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 152.59 Mbit/s
95th percentile per-packet one-way delay: 137.789 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 101.48 Mbit/s
95th percentile per-packet one-way delay: 142.429 ms
Loss rate: 3.61%

Run 1: Report of Indigo — Data Link

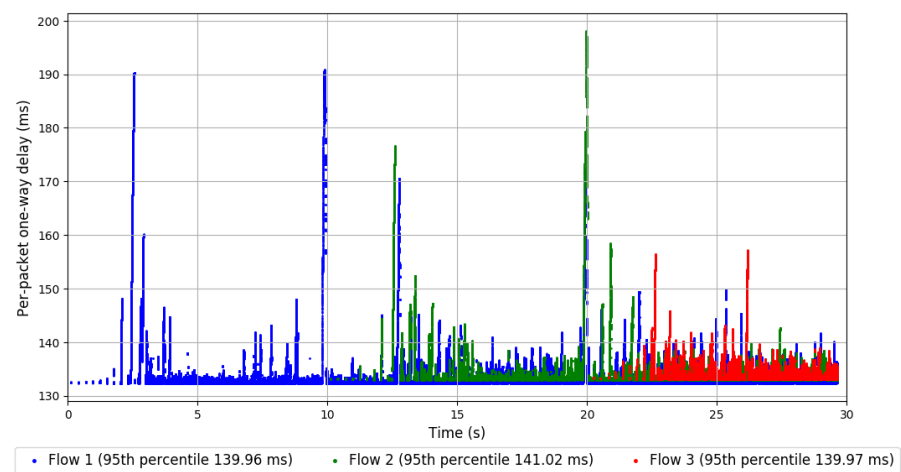
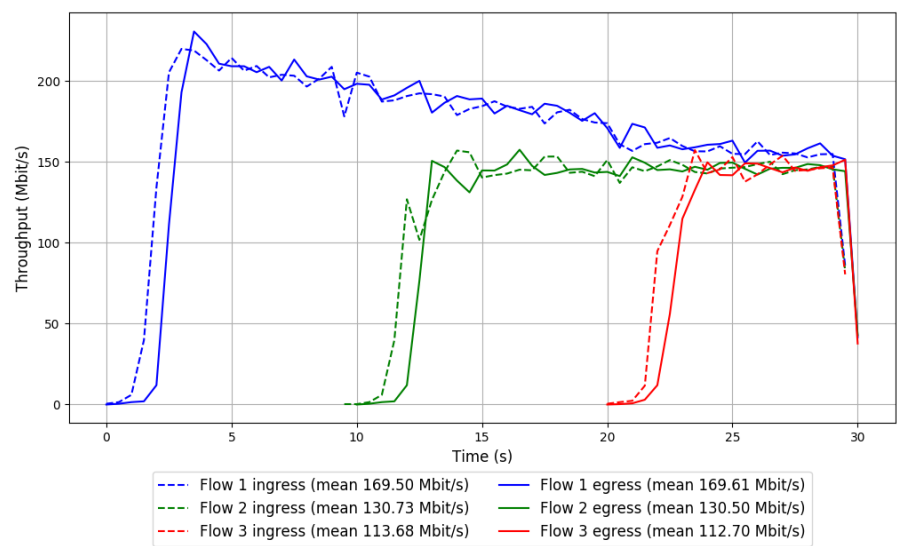


Run 2: Statistics of Indigo

Start at: 2019-10-03 11:42:46
End at: 2019-10-03 11:43:16
Local clock offset: -0.085 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-10-03 15:32:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.76 Mbit/s
95th percentile per-packet one-way delay: 140.232 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 169.61 Mbit/s
95th percentile per-packet one-way delay: 139.956 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 130.50 Mbit/s
95th percentile per-packet one-way delay: 141.018 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 112.70 Mbit/s
95th percentile per-packet one-way delay: 139.965 ms
Loss rate: 3.58%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-10-03 12:25:50

End at: 2019-10-03 12:26:20

Local clock offset: 0.367 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2019-10-03 15:32:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.75 Mbit/s

95th percentile per-packet one-way delay: 139.997 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 160.69 Mbit/s

95th percentile per-packet one-way delay: 140.261 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 126.51 Mbit/s

95th percentile per-packet one-way delay: 139.161 ms

Loss rate: 1.54%

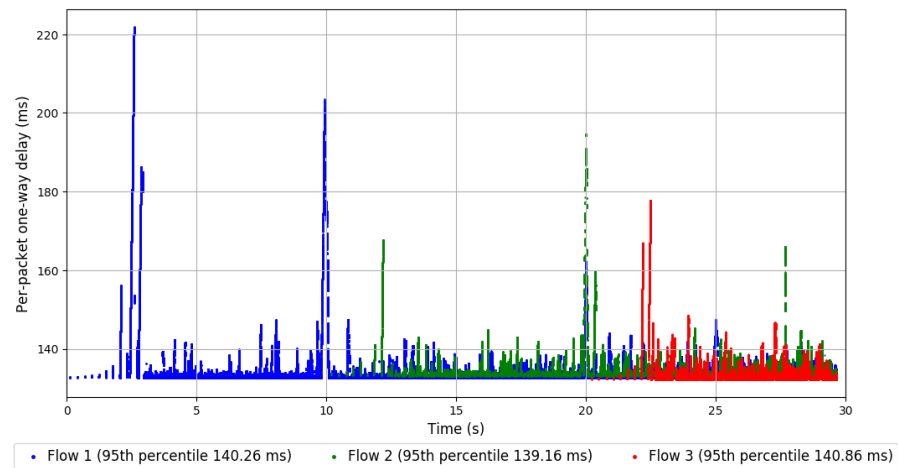
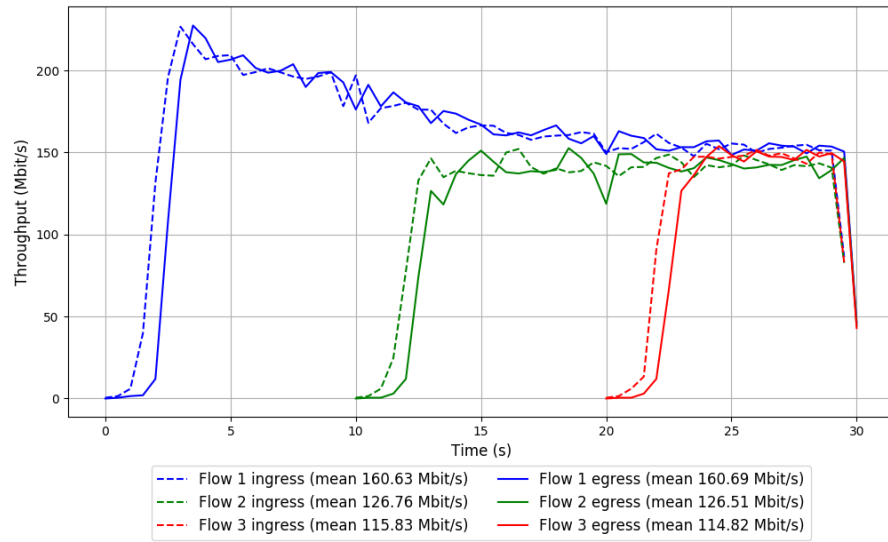
-- Flow 3:

Average throughput: 114.82 Mbit/s

95th percentile per-packet one-way delay: 140.859 ms

Loss rate: 3.54%

Run 3: Report of Indigo — Data Link

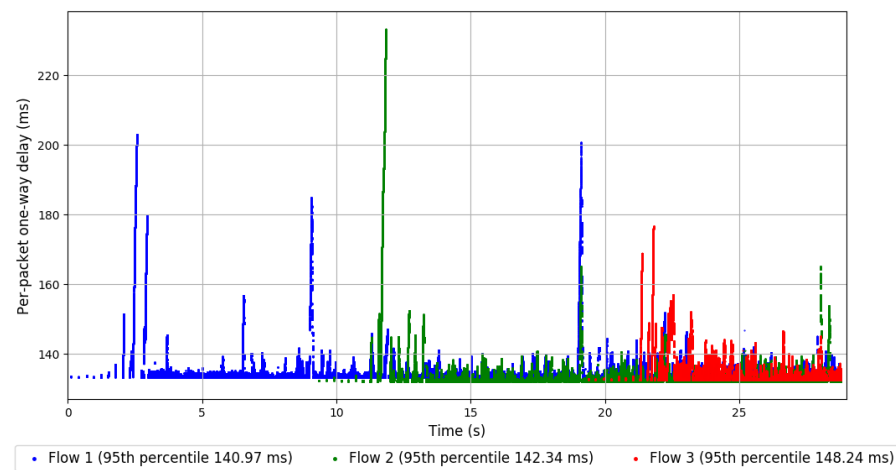
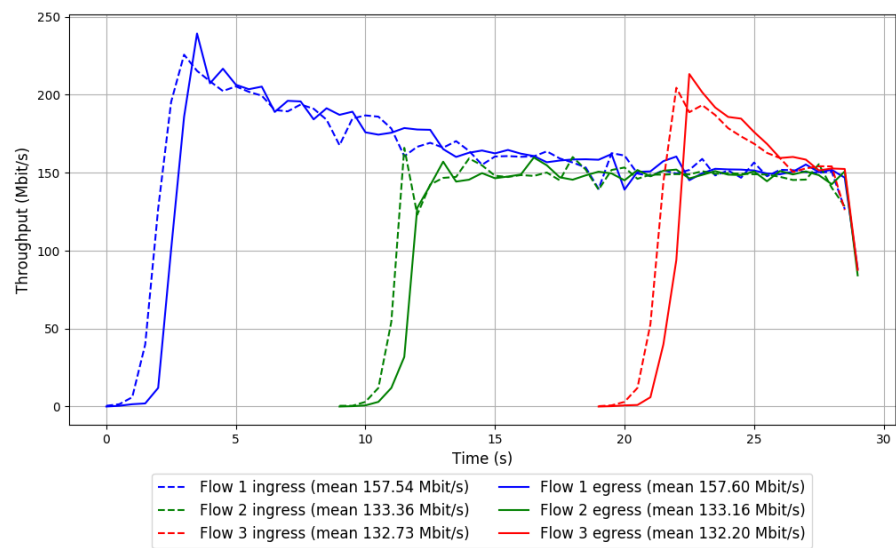


Run 4: Statistics of Indigo

Start at: 2019-10-03 13:08:38
End at: 2019-10-03 13:09:08
Local clock offset: -0.048 ms
Remote clock offset: -0.325 ms

```
# Below is generated by plot.py at 2019-10-03 15:33:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.29 Mbit/s
95th percentile per-packet one-way delay: 142.872 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 157.60 Mbit/s
95th percentile per-packet one-way delay: 140.972 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 133.16 Mbit/s
95th percentile per-packet one-way delay: 142.338 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 132.20 Mbit/s
95th percentile per-packet one-way delay: 148.237 ms
Loss rate: 3.14%
```

Run 4: Report of Indigo — Data Link

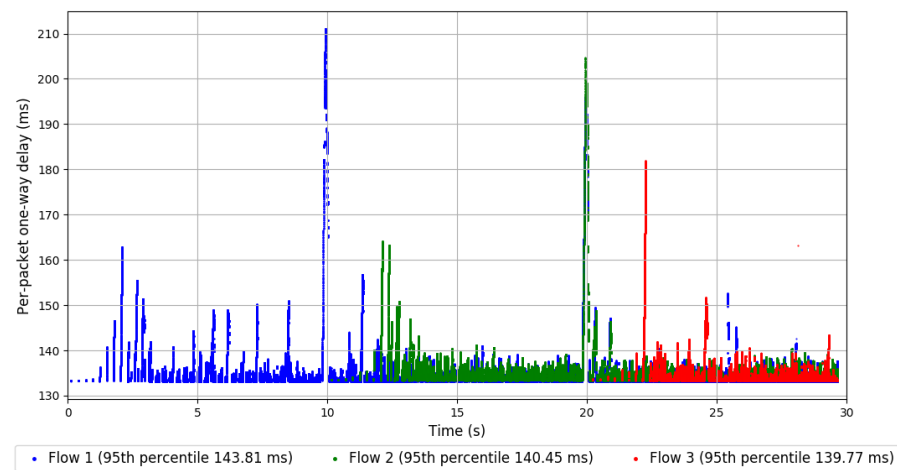
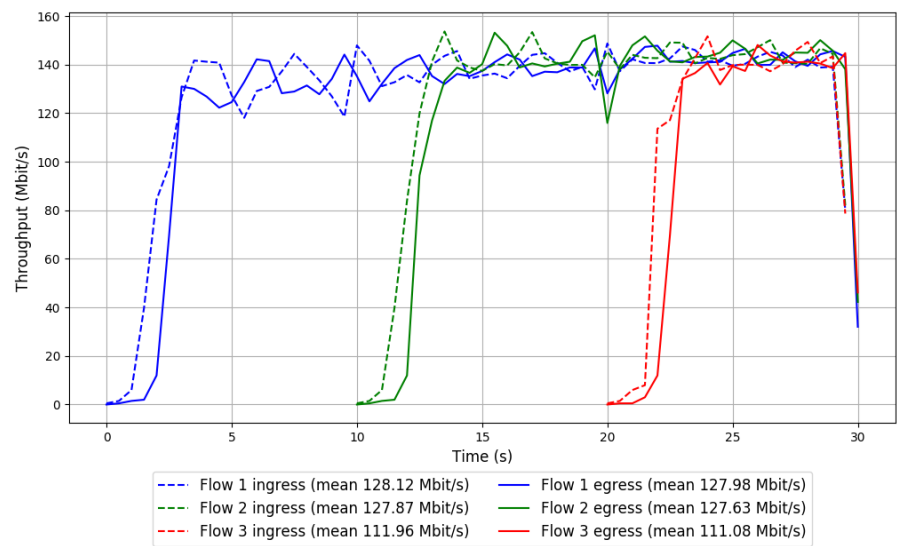


Run 5: Statistics of Indigo

Start at: 2019-10-03 13:51:35
End at: 2019-10-03 13:52:05
Local clock offset: 0.3 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-10-03 15:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.75 Mbit/s
95th percentile per-packet one-way delay: 141.645 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 127.98 Mbit/s
95th percentile per-packet one-way delay: 143.811 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 127.63 Mbit/s
95th percentile per-packet one-way delay: 140.452 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 111.08 Mbit/s
95th percentile per-packet one-way delay: 139.766 ms
Loss rate: 3.54%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-10-03 10:53:41

End at: 2019-10-03 10:54:11

Local clock offset: 0.268 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-10-03 15:37:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 713.37 Mbit/s

95th percentile per-packet one-way delay: 207.059 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 424.49 Mbit/s

95th percentile per-packet one-way delay: 206.188 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 346.38 Mbit/s

95th percentile per-packet one-way delay: 216.616 ms

Loss rate: 1.88%

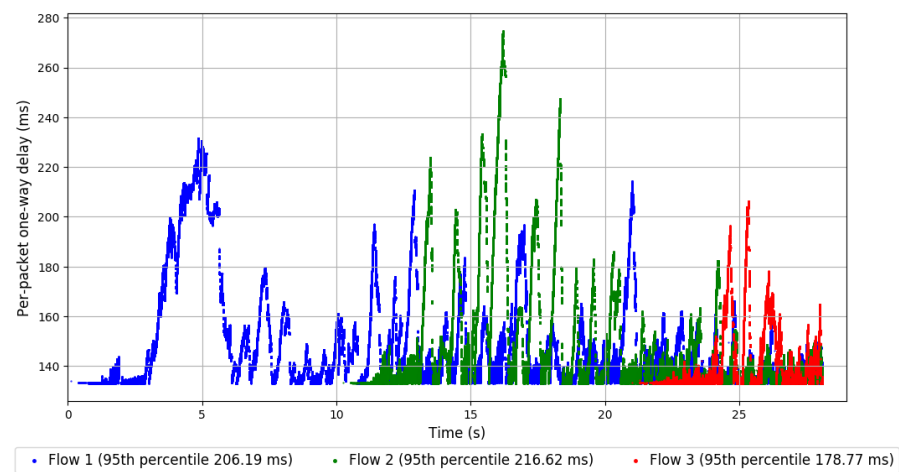
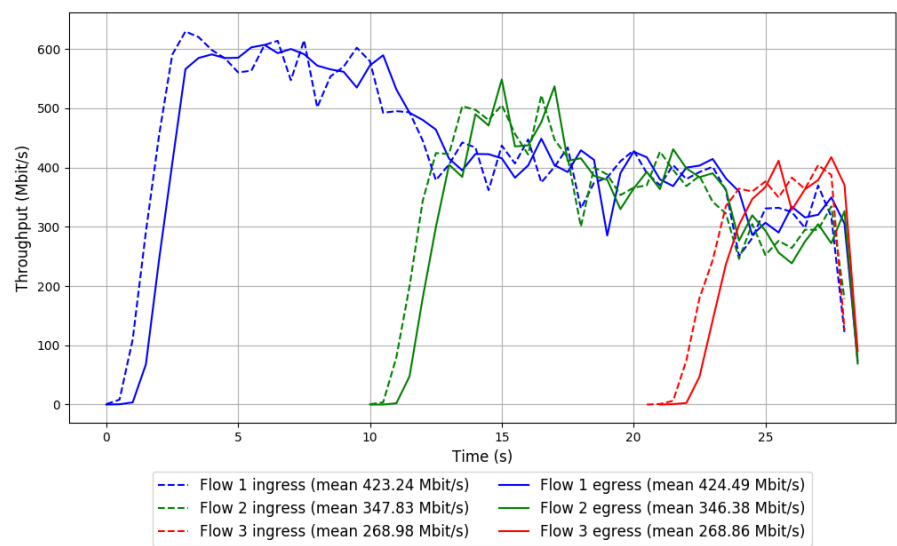
-- Flow 3:

Average throughput: 268.86 Mbit/s

95th percentile per-packet one-way delay: 178.774 ms

Loss rate: 3.74%

Run 1: Report of Indigo-MusesC3 — Data Link

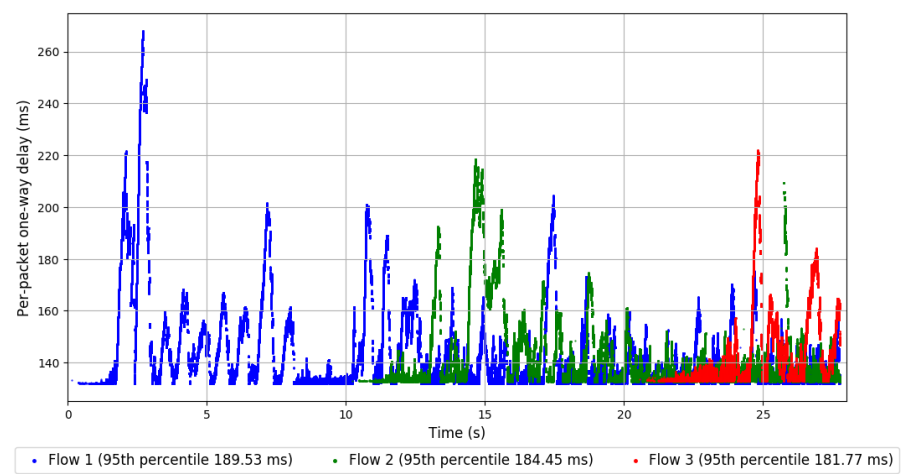
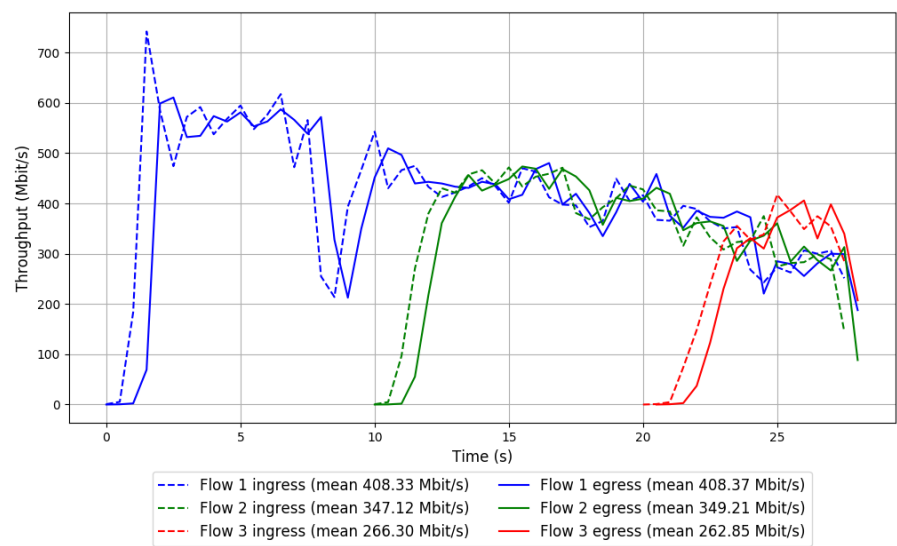


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-10-03 11:37:08
End at: 2019-10-03 11:37:38
Local clock offset: -0.067 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-10-03 15:38:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 698.55 Mbit/s
95th percentile per-packet one-way delay: 188.213 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 408.37 Mbit/s
95th percentile per-packet one-way delay: 189.529 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 349.21 Mbit/s
95th percentile per-packet one-way delay: 184.447 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 262.85 Mbit/s
95th percentile per-packet one-way delay: 181.771 ms
Loss rate: 4.79%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-10-03 12:20:07

End at: 2019-10-03 12:20:37

Local clock offset: 0.216 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-10-03 15:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 651.92 Mbit/s

95th percentile per-packet one-way delay: 218.637 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 366.29 Mbit/s

95th percentile per-packet one-way delay: 223.119 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 357.50 Mbit/s

95th percentile per-packet one-way delay: 220.621 ms

Loss rate: 1.14%

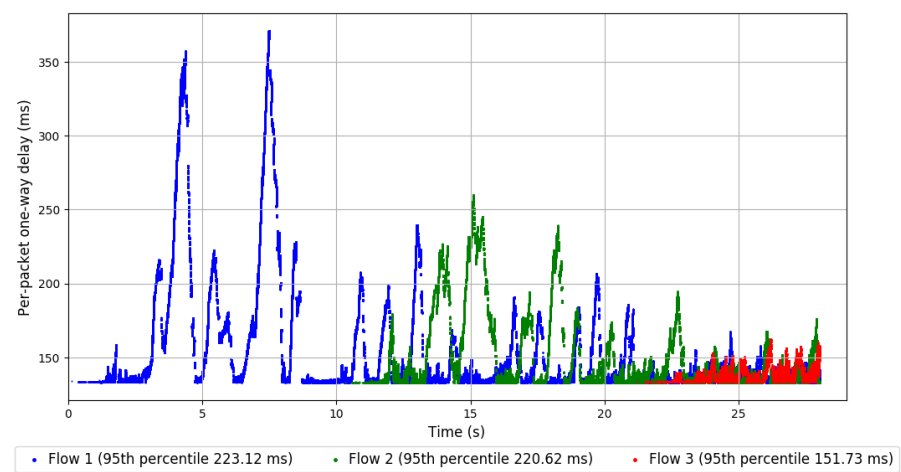
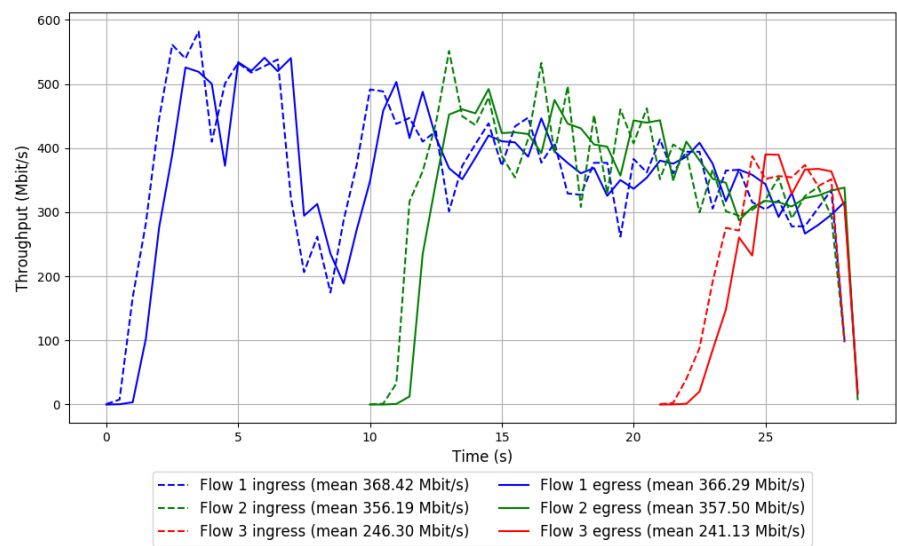
-- Flow 3:

Average throughput: 241.13 Mbit/s

95th percentile per-packet one-way delay: 151.733 ms

Loss rate: 5.81%

Run 3: Report of Indigo-MusesC3 — Data Link

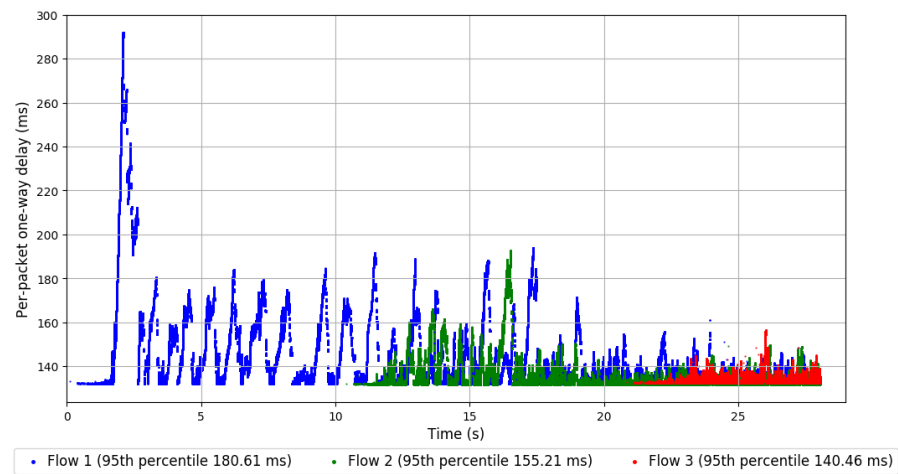
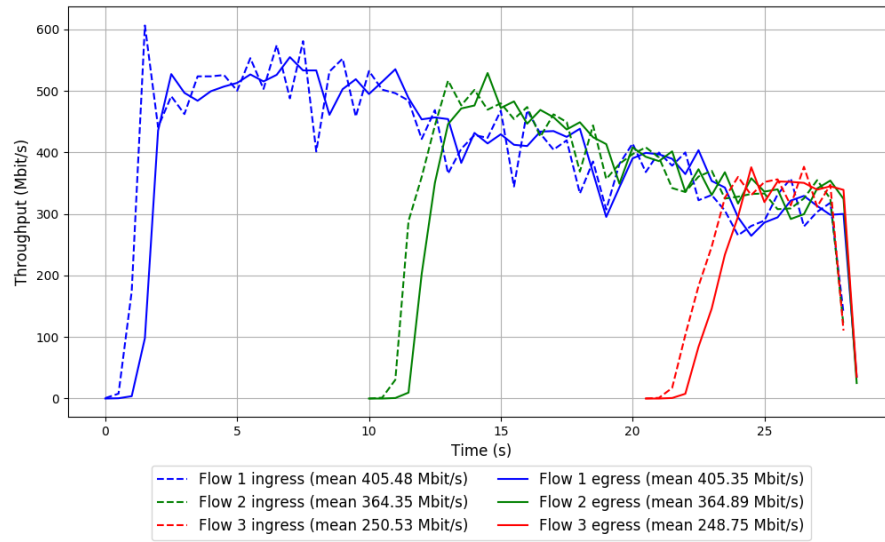


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-10-03 13:03:06
End at: 2019-10-03 13:03:36
Local clock offset: -0.194 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-10-03 15:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 699.95 Mbit/s
95th percentile per-packet one-way delay: 173.513 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 405.35 Mbit/s
95th percentile per-packet one-way delay: 180.611 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 364.89 Mbit/s
95th percentile per-packet one-way delay: 155.209 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 248.75 Mbit/s
95th percentile per-packet one-way delay: 140.464 ms
Loss rate: 4.26%

Run 4: Report of Indigo-MusesC3 — Data Link

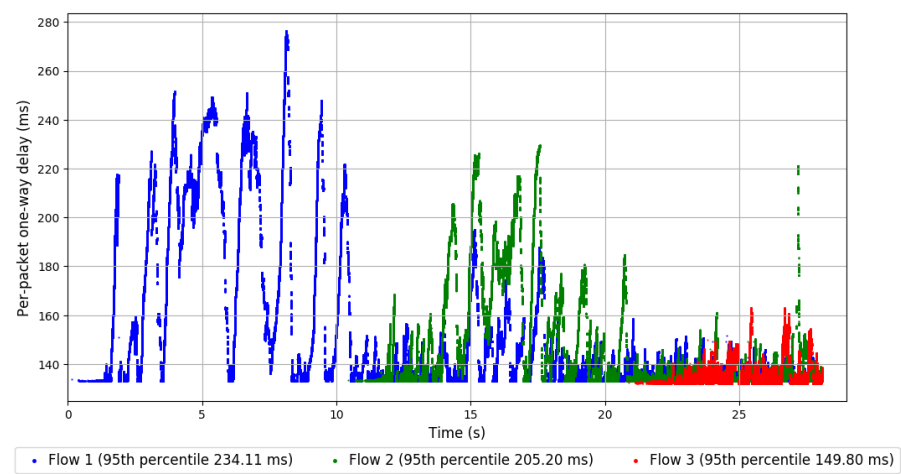
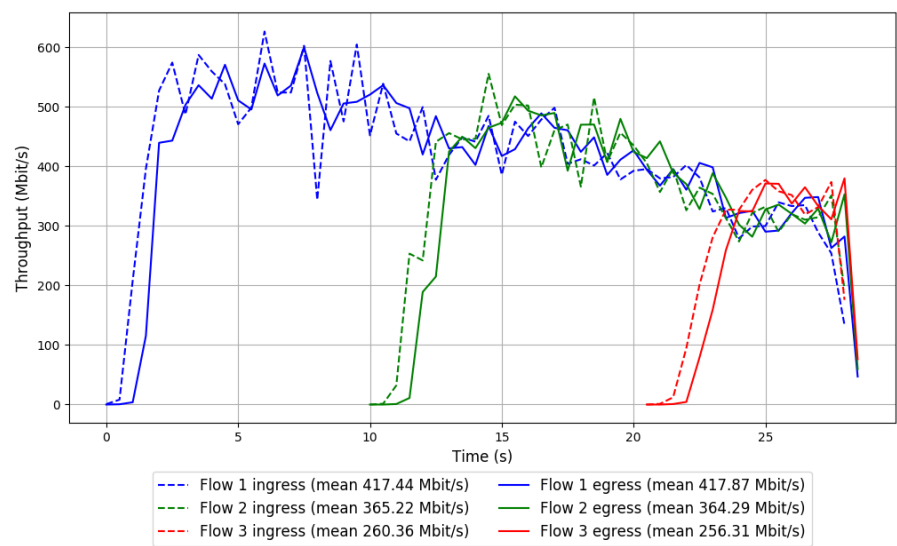


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-10-03 13:45:46
End at: 2019-10-03 13:46:16
Local clock offset: -0.27 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2019-10-03 15:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 714.07 Mbit/s
95th percentile per-packet one-way delay: 223.770 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 417.87 Mbit/s
95th percentile per-packet one-way delay: 234.108 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 364.29 Mbit/s
95th percentile per-packet one-way delay: 205.204 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 256.31 Mbit/s
95th percentile per-packet one-way delay: 149.796 ms
Loss rate: 5.03%

Run 5: Report of Indigo-MusesC3 — Data Link

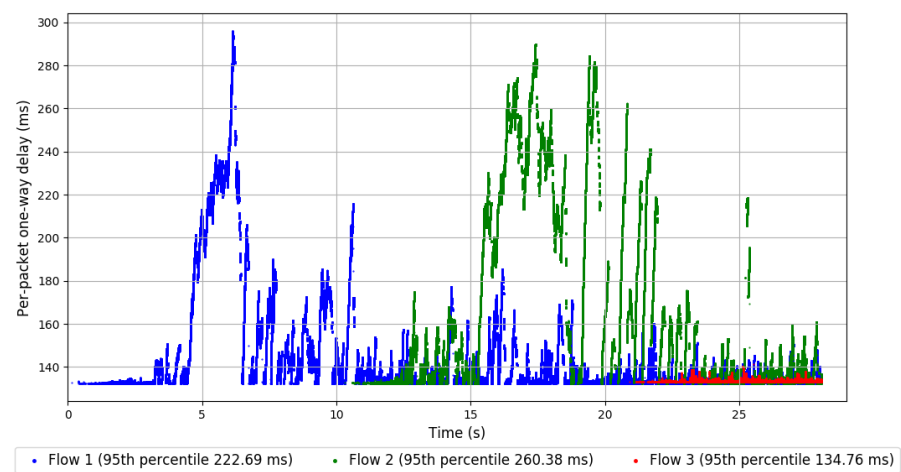
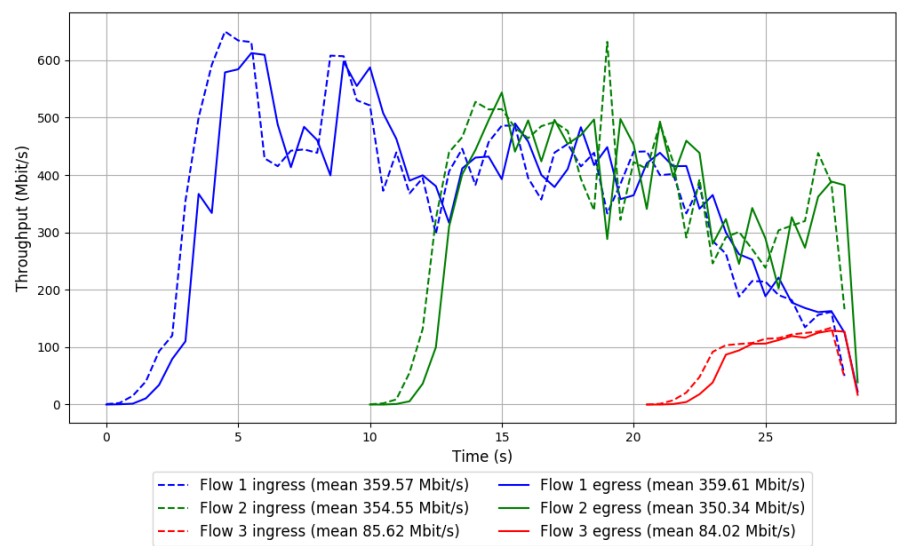


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-10-03 11:22:37
End at: 2019-10-03 11:23:07
Local clock offset: 0.005 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-10-03 15:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 603.62 Mbit/s
95th percentile per-packet one-way delay: 244.580 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 359.61 Mbit/s
95th percentile per-packet one-way delay: 222.687 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 350.34 Mbit/s
95th percentile per-packet one-way delay: 260.381 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 134.756 ms
Loss rate: 5.43%

Run 1: Report of Indigo-MusesC5 — Data Link

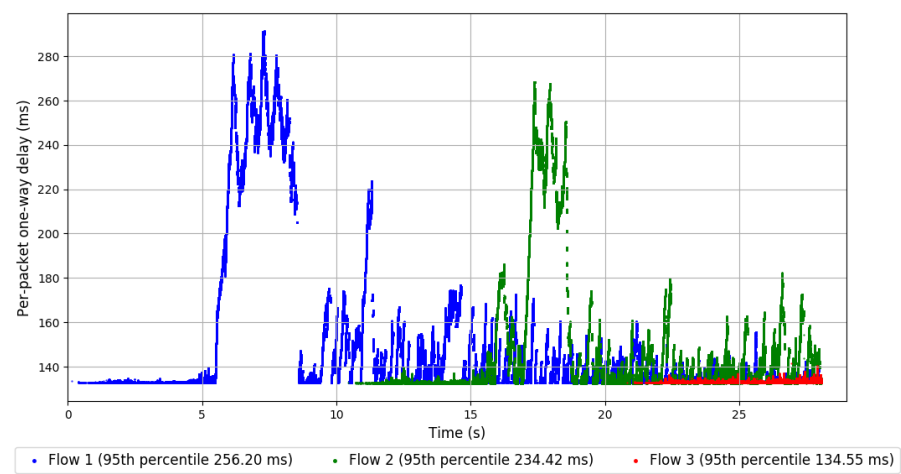
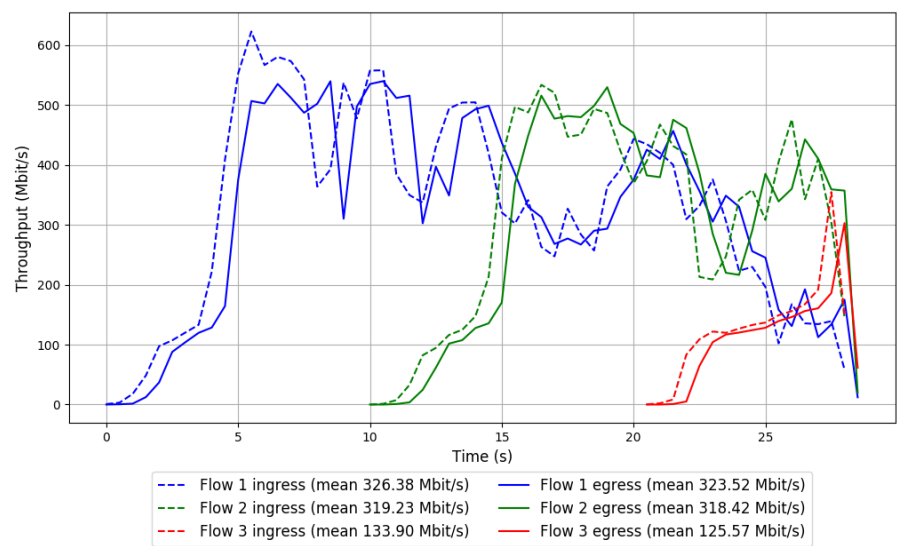


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-10-03 12:05:46
End at: 2019-10-03 12:06:16
Local clock offset: -0.202 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-10-03 15:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 556.84 Mbit/s
95th percentile per-packet one-way delay: 247.084 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 323.52 Mbit/s
95th percentile per-packet one-way delay: 256.199 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 318.42 Mbit/s
95th percentile per-packet one-way delay: 234.419 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 125.57 Mbit/s
95th percentile per-packet one-way delay: 134.552 ms
Loss rate: 9.57%

Run 2: Report of Indigo-MusesC5 — Data Link

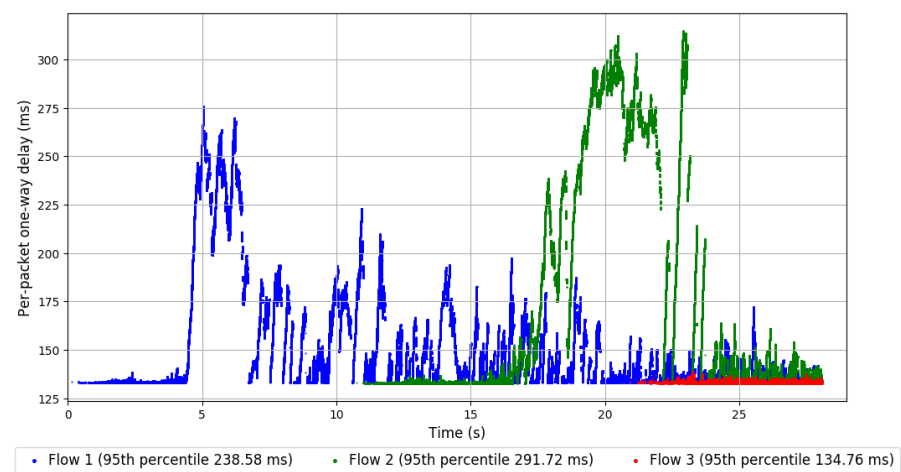
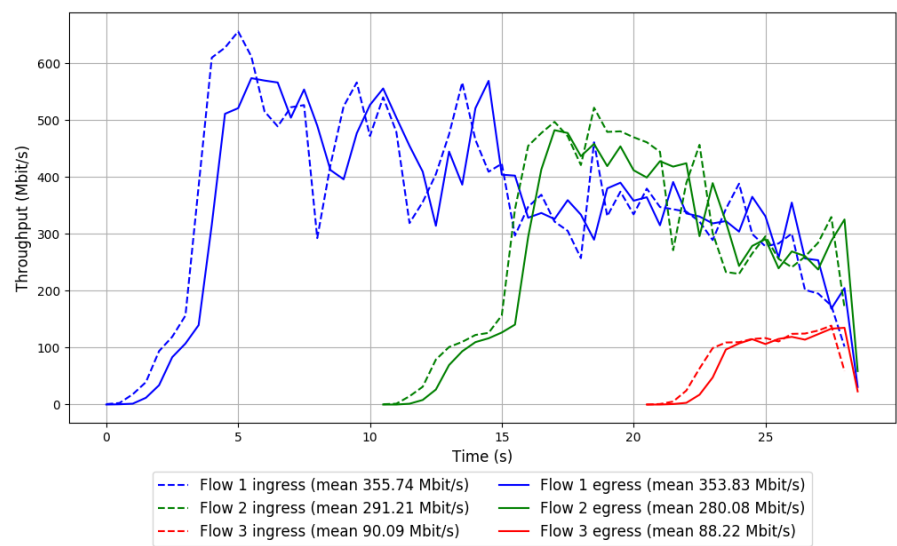


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-10-03 12:49:07
End at: 2019-10-03 12:49:37
Local clock offset: -0.133 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2019-10-03 15:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.95 Mbit/s
95th percentile per-packet one-way delay: 272.937 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 353.83 Mbit/s
95th percentile per-packet one-way delay: 238.581 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 280.08 Mbit/s
95th percentile per-packet one-way delay: 291.717 ms
Loss rate: 5.30%
-- Flow 3:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 134.760 ms
Loss rate: 5.56%

Run 3: Report of Indigo-MusesC5 — Data Link

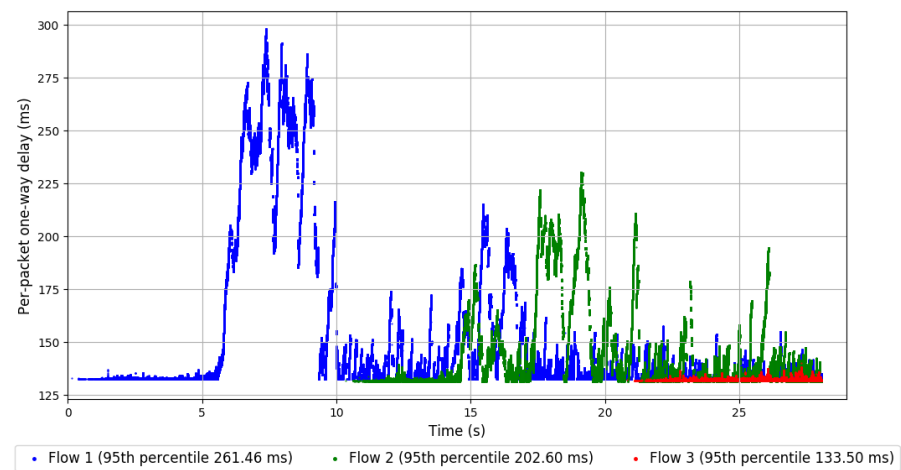
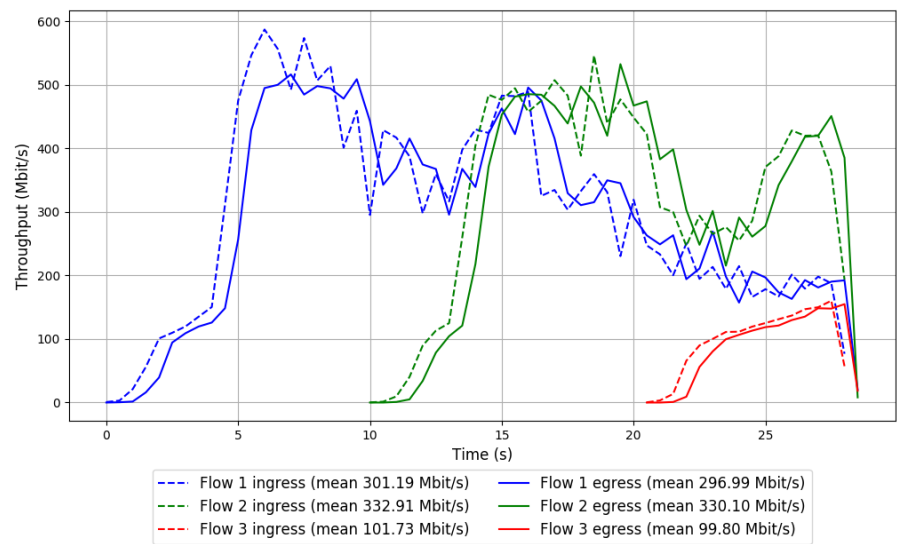


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-10-03 13:31:54
End at: 2019-10-03 13:32:24
Local clock offset: -0.432 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-10-03 15:48:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.06 Mbit/s
95th percentile per-packet one-way delay: 249.121 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 296.99 Mbit/s
95th percentile per-packet one-way delay: 261.465 ms
Loss rate: 2.24%
-- Flow 2:
Average throughput: 330.10 Mbit/s
95th percentile per-packet one-way delay: 202.602 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 99.80 Mbit/s
95th percentile per-packet one-way delay: 133.496 ms
Loss rate: 5.38%

Run 4: Report of Indigo-MusesC5 — Data Link

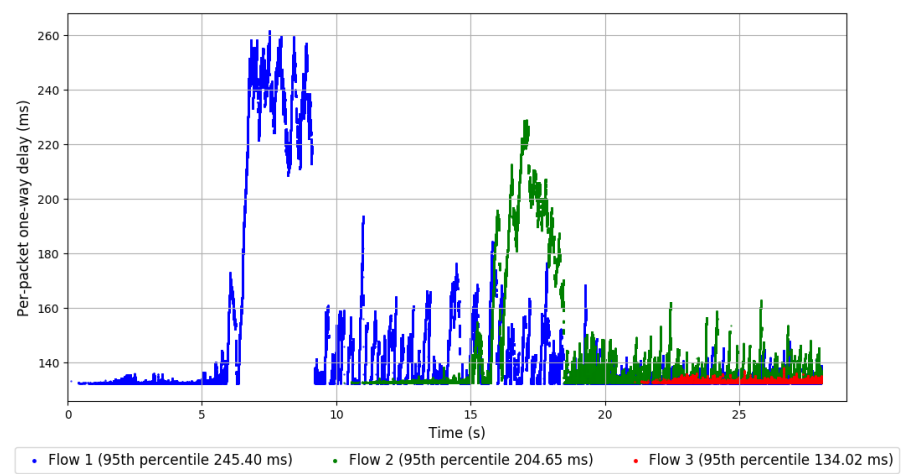
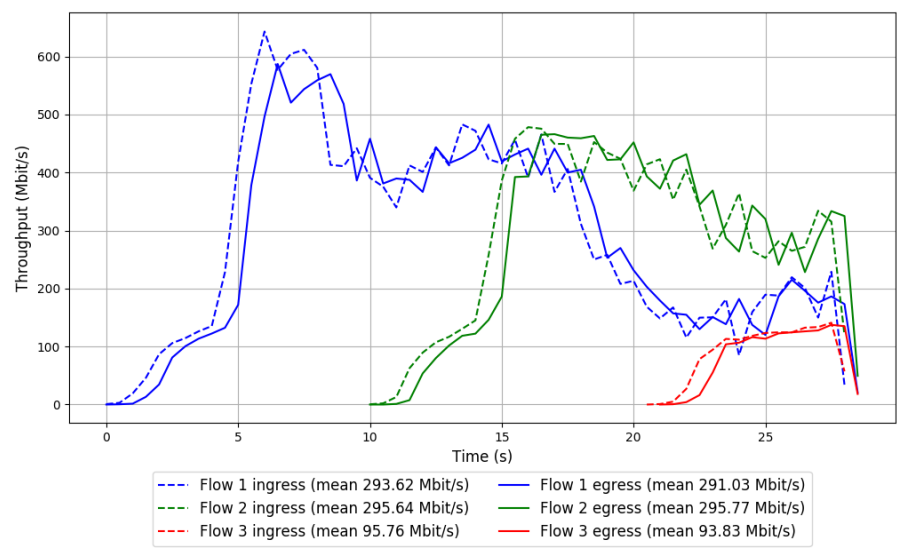


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-10-03 14:14:40
End at: 2019-10-03 14:15:10
Local clock offset: -0.526 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-10-03 15:49:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.70 Mbit/s
95th percentile per-packet one-way delay: 238.334 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 291.03 Mbit/s
95th percentile per-packet one-way delay: 245.398 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 295.77 Mbit/s
95th percentile per-packet one-way delay: 204.653 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 134.018 ms
Loss rate: 5.63%

Run 5: Report of Indigo-MusesC5 — Data Link

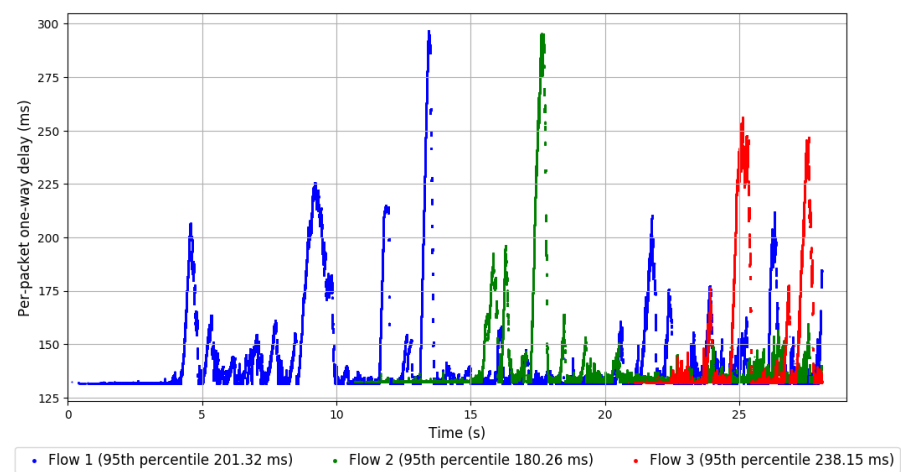
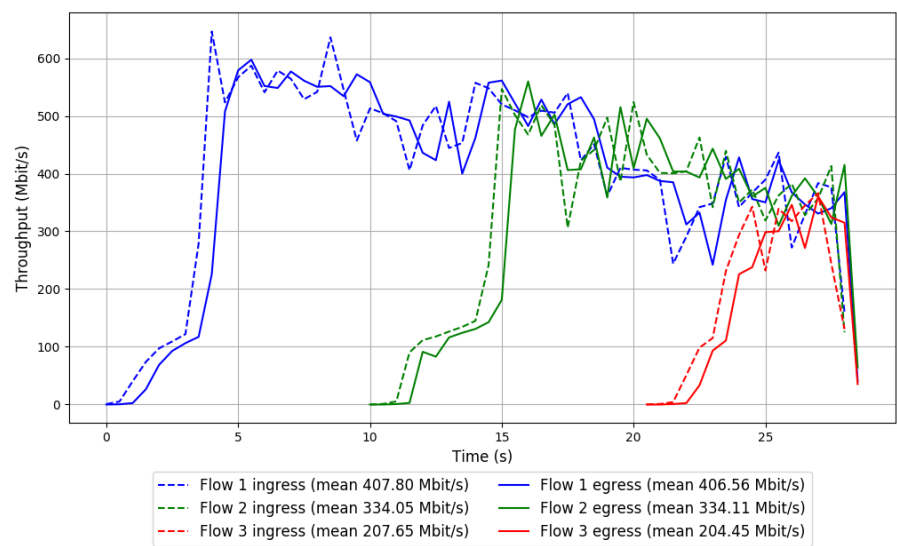


Run 1: Statistics of Indigo-MusesD

Start at: 2019-10-03 10:46:28
End at: 2019-10-03 10:46:58
Local clock offset: -0.521 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-10-03 15:55:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 670.42 Mbit/s
95th percentile per-packet one-way delay: 203.176 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 406.56 Mbit/s
95th percentile per-packet one-way delay: 201.325 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 334.11 Mbit/s
95th percentile per-packet one-way delay: 180.259 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 204.45 Mbit/s
95th percentile per-packet one-way delay: 238.154 ms
Loss rate: 5.04%

Run 1: Report of Indigo-MusesD — Data Link

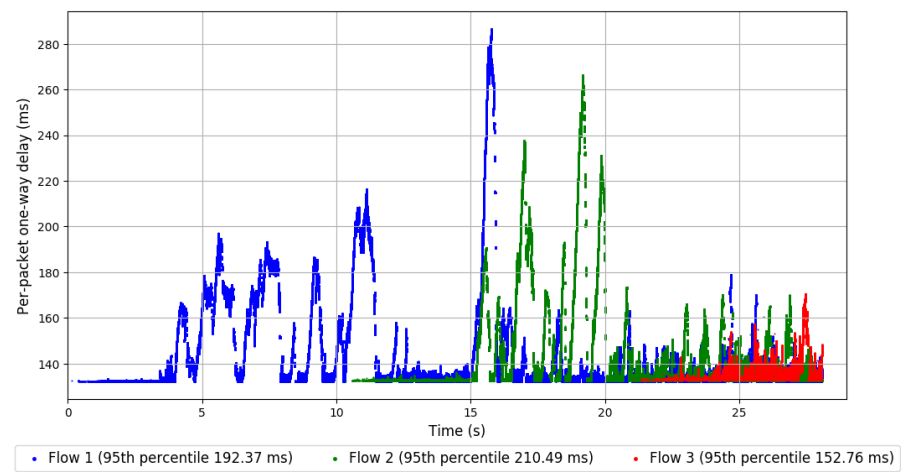
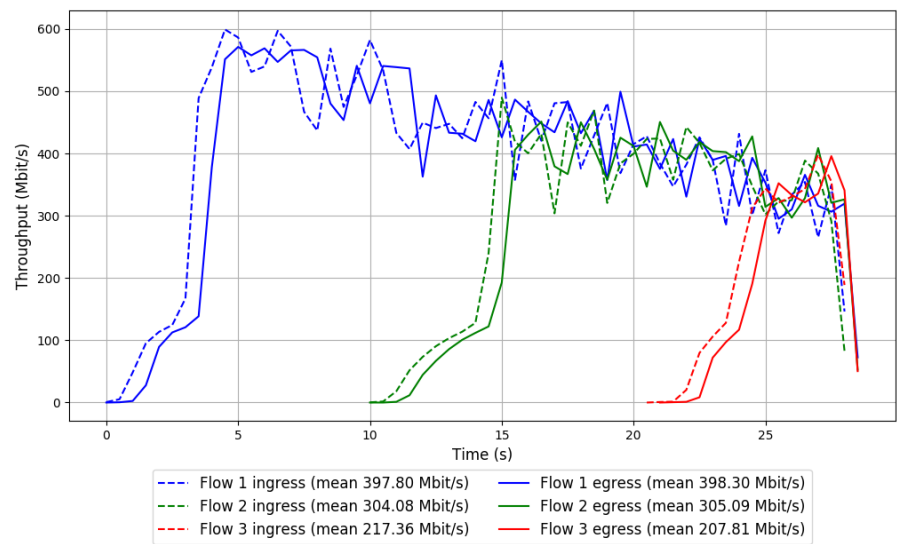


Run 2: Statistics of Indigo-MusesD

Start at: 2019-10-03 11:29:55
End at: 2019-10-03 11:30:25
Local clock offset: -0.23 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-10-03 15:57:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 644.10 Mbit/s
95th percentile per-packet one-way delay: 194.038 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 398.30 Mbit/s
95th percentile per-packet one-way delay: 192.369 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 305.09 Mbit/s
95th percentile per-packet one-way delay: 210.485 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 207.81 Mbit/s
95th percentile per-packet one-way delay: 152.756 ms
Loss rate: 7.82%

Run 2: Report of Indigo-MusesD — Data Link

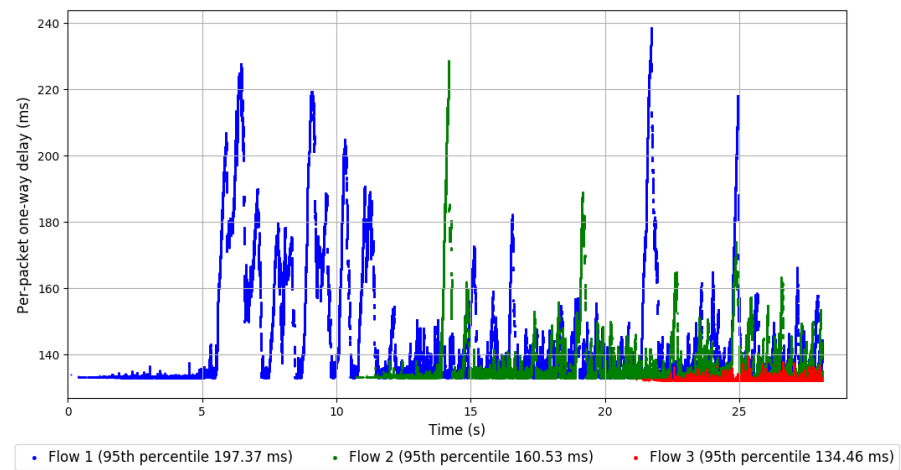
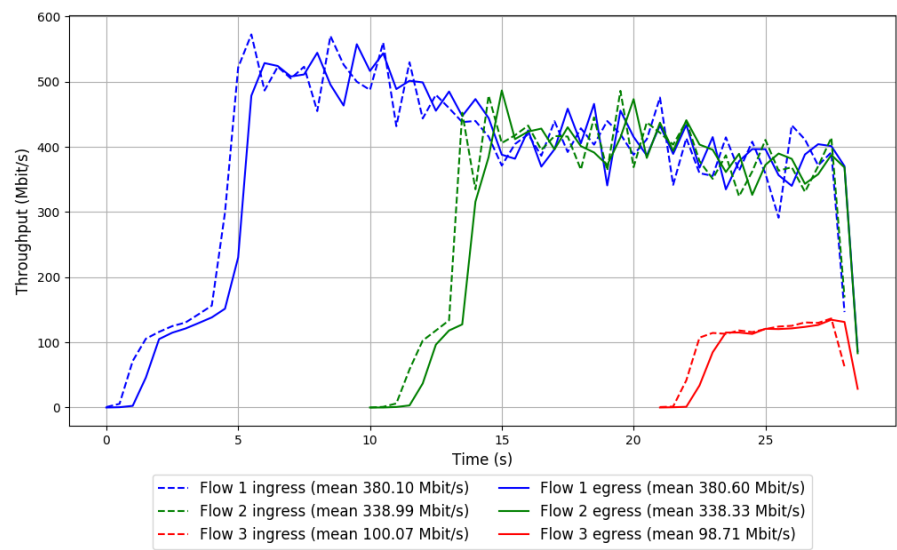


Run 3: Statistics of Indigo-MusesD

Start at: 2019-10-03 12:12:48
End at: 2019-10-03 12:13:18
Local clock offset: 0.382 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-10-03 15:57:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 618.35 Mbit/s
95th percentile per-packet one-way delay: 185.389 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 380.60 Mbit/s
95th percentile per-packet one-way delay: 197.369 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 338.33 Mbit/s
95th percentile per-packet one-way delay: 160.526 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 98.71 Mbit/s
95th percentile per-packet one-way delay: 134.463 ms
Loss rate: 4.97%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-10-03 12:55:52

End at: 2019-10-03 12:56:22

Local clock offset: 0.294 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-10-03 15:57:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 605.19 Mbit/s

95th percentile per-packet one-way delay: 218.985 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 371.41 Mbit/s

95th percentile per-packet one-way delay: 220.331 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 333.49 Mbit/s

95th percentile per-packet one-way delay: 217.440 ms

Loss rate: 1.63%

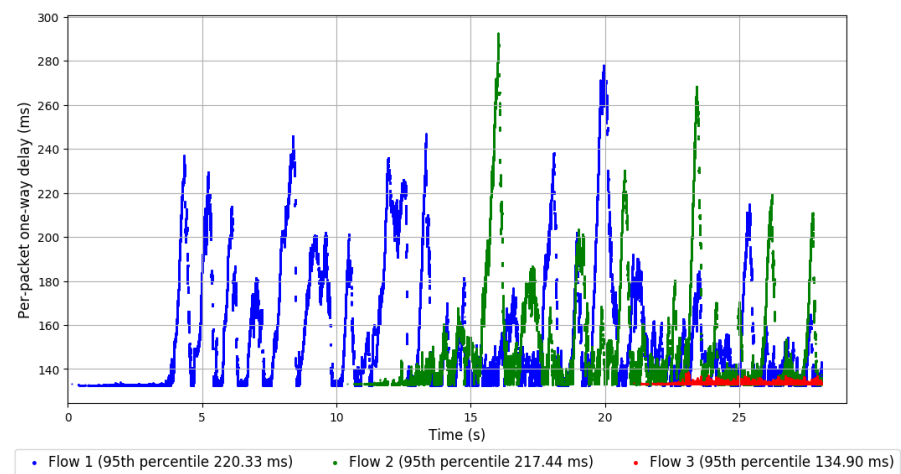
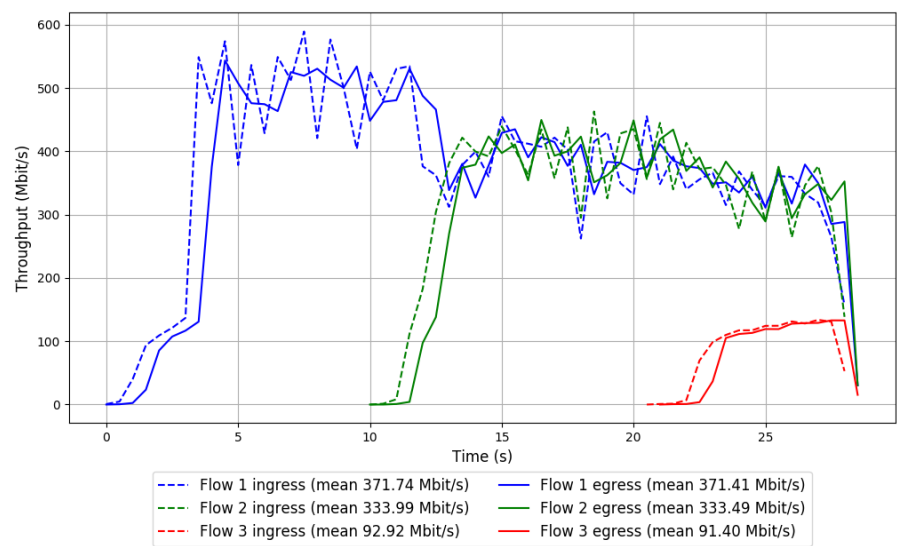
-- Flow 3:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 134.904 ms

Loss rate: 5.26%

Run 4: Report of Indigo-MusesD — Data Link

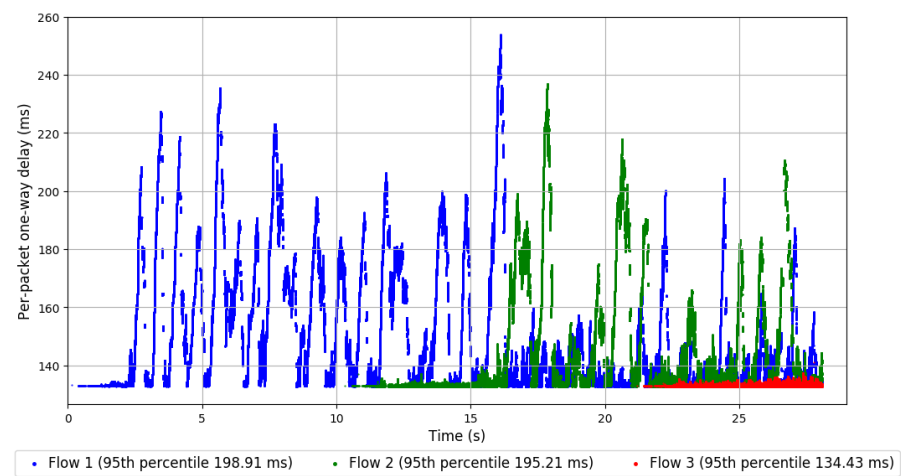
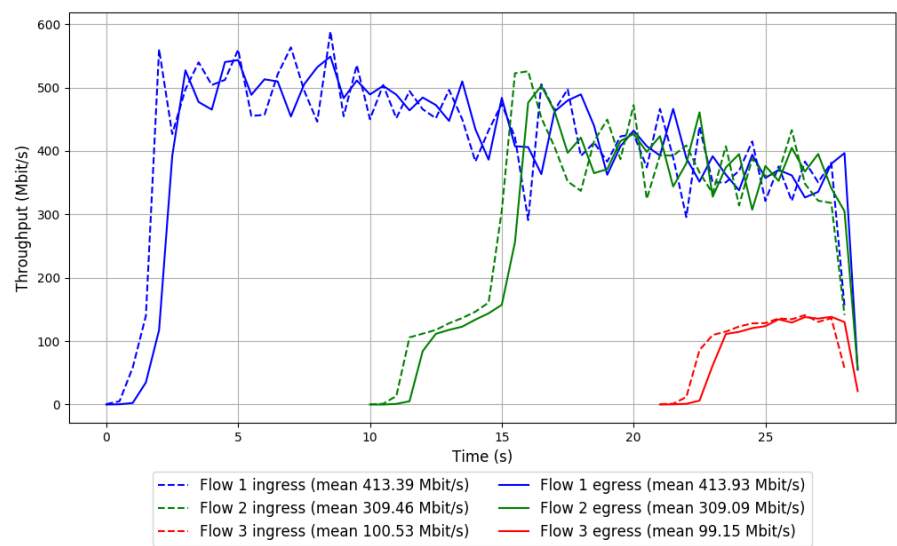


Run 5: Statistics of Indigo-MusesD

Start at: 2019-10-03 13:38:55
End at: 2019-10-03 13:39:25
Local clock offset: -0.088 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-10-03 15:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.80 Mbit/s
95th percentile per-packet one-way delay: 197.324 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 413.93 Mbit/s
95th percentile per-packet one-way delay: 198.905 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 309.09 Mbit/s
95th percentile per-packet one-way delay: 195.212 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 99.15 Mbit/s
95th percentile per-packet one-way delay: 134.426 ms
Loss rate: 5.07%

Run 5: Report of Indigo-MusesD — Data Link

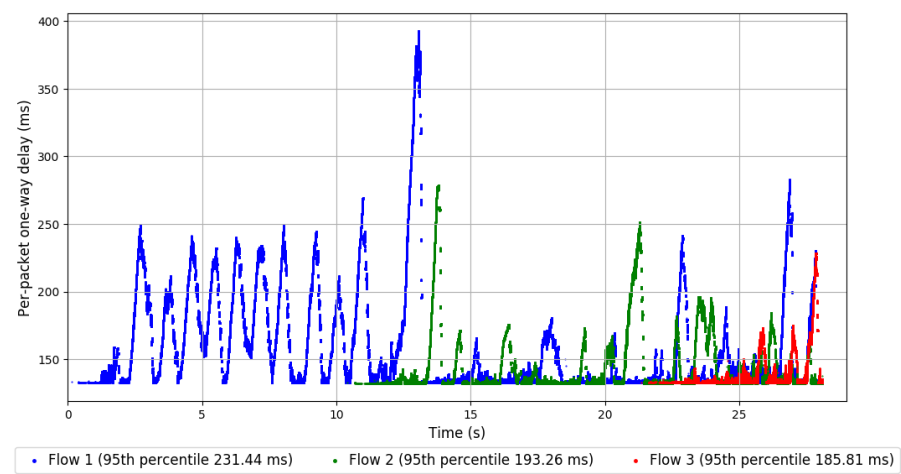
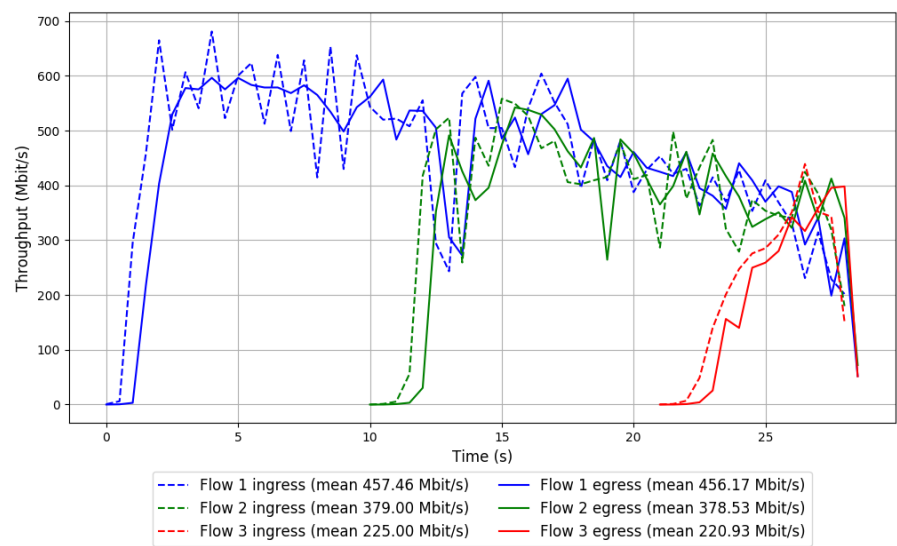


Run 1: Statistics of Indigo-MusesT

Start at: 2019-10-03 11:07:05
End at: 2019-10-03 11:07:35
Local clock offset: -0.09 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-10-03 16:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 748.88 Mbit/s
95th percentile per-packet one-way delay: 227.256 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 456.17 Mbit/s
95th percentile per-packet one-way delay: 231.445 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 378.53 Mbit/s
95th percentile per-packet one-way delay: 193.261 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 220.93 Mbit/s
95th percentile per-packet one-way delay: 185.805 ms
Loss rate: 5.54%

Run 1: Report of Indigo-MusesT — Data Link

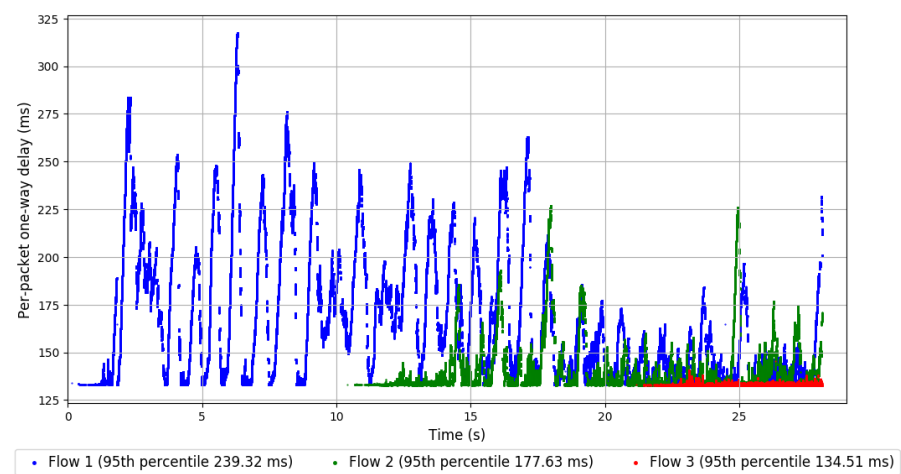
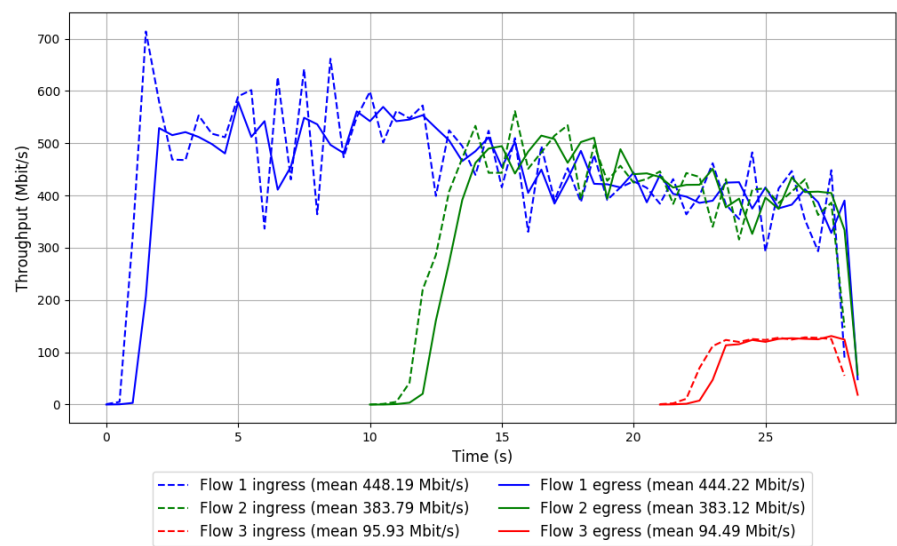


Run 2: Statistics of Indigo-MusesT

Start at: 2019-10-03 11:50:15
End at: 2019-10-03 11:50:45
Local clock offset: -0.019 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-10-03 16:03:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 709.86 Mbit/s
95th percentile per-packet one-way delay: 231.256 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 444.22 Mbit/s
95th percentile per-packet one-way delay: 239.322 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 383.12 Mbit/s
95th percentile per-packet one-way delay: 177.635 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 134.511 ms
Loss rate: 5.14%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-10-03 12:33:29

End at: 2019-10-03 12:33:59

Local clock offset: 0.443 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2019-10-03 16:05:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 729.12 Mbit/s

95th percentile per-packet one-way delay: 227.004 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 436.32 Mbit/s

95th percentile per-packet one-way delay: 233.560 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 371.97 Mbit/s

95th percentile per-packet one-way delay: 199.469 ms

Loss rate: 0.81%

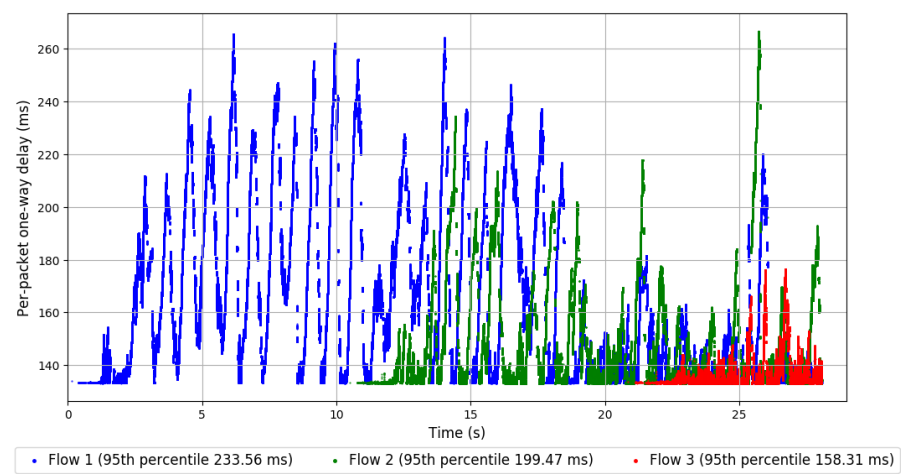
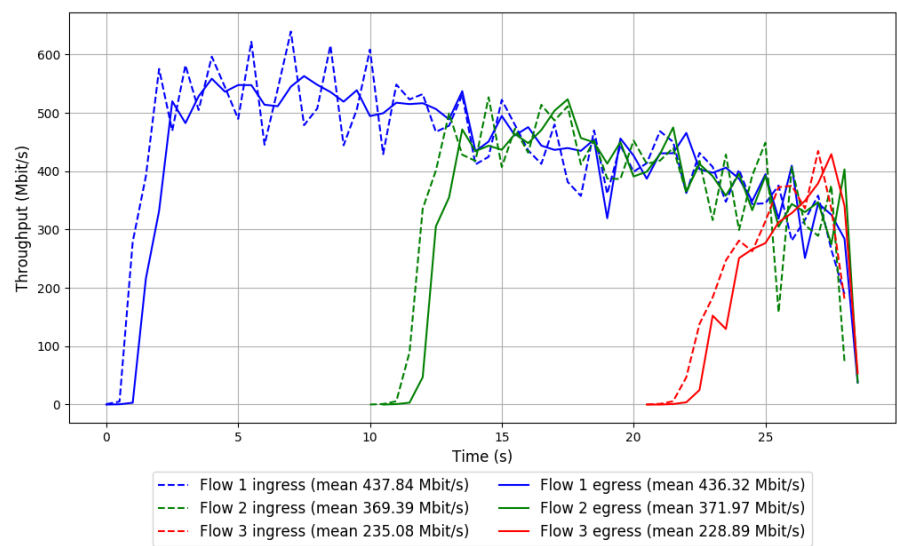
-- Flow 3:

Average throughput: 228.89 Mbit/s

95th percentile per-packet one-way delay: 158.313 ms

Loss rate: 6.19%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-10-03 13:16:05

End at: 2019-10-03 13:16:35

Local clock offset: 0.061 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-10-03 16:10:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 722.14 Mbit/s

95th percentile per-packet one-way delay: 224.851 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 443.12 Mbit/s

95th percentile per-packet one-way delay: 233.373 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 398.39 Mbit/s

95th percentile per-packet one-way delay: 202.957 ms

Loss rate: 1.52%

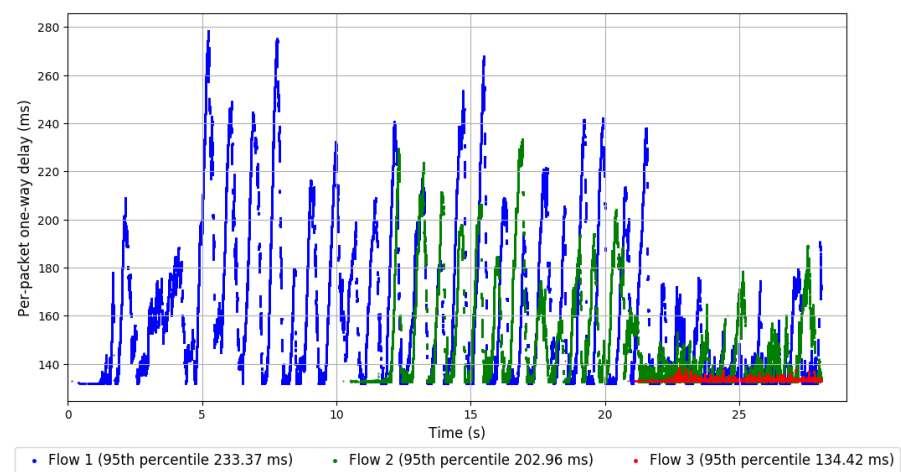
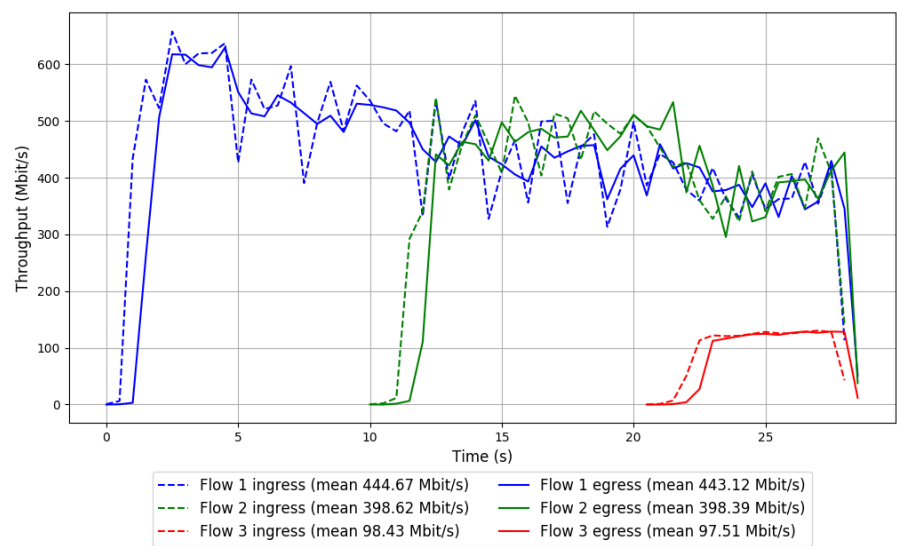
-- Flow 3:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 134.421 ms

Loss rate: 4.48%

Run 4: Report of Indigo-MusesT — Data Link

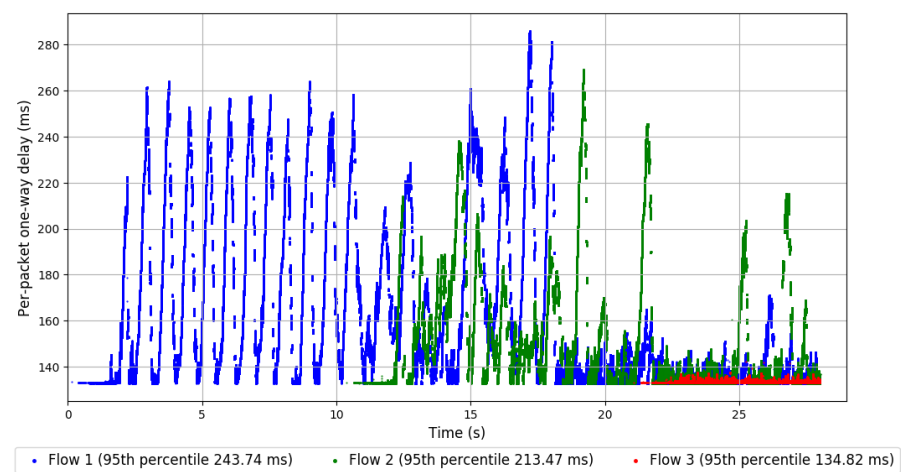
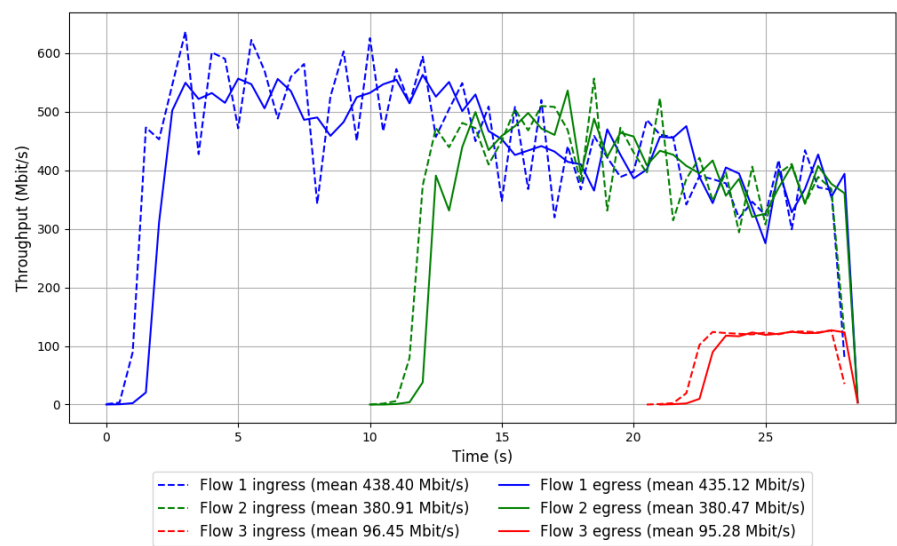


Run 5: Statistics of Indigo-MusesT

Start at: 2019-10-03 13:59:01
End at: 2019-10-03 13:59:31
Local clock offset: -0.102 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-10-03 16:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 699.31 Mbit/s
95th percentile per-packet one-way delay: 238.676 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 435.12 Mbit/s
95th percentile per-packet one-way delay: 243.738 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 380.47 Mbit/s
95th percentile per-packet one-way delay: 213.468 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 134.820 ms
Loss rate: 4.89%

Run 5: Report of Indigo-MusesT — Data Link

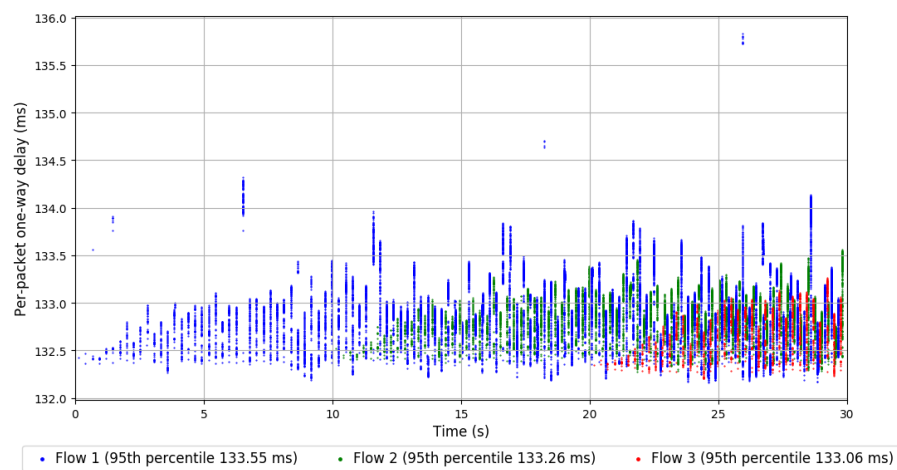
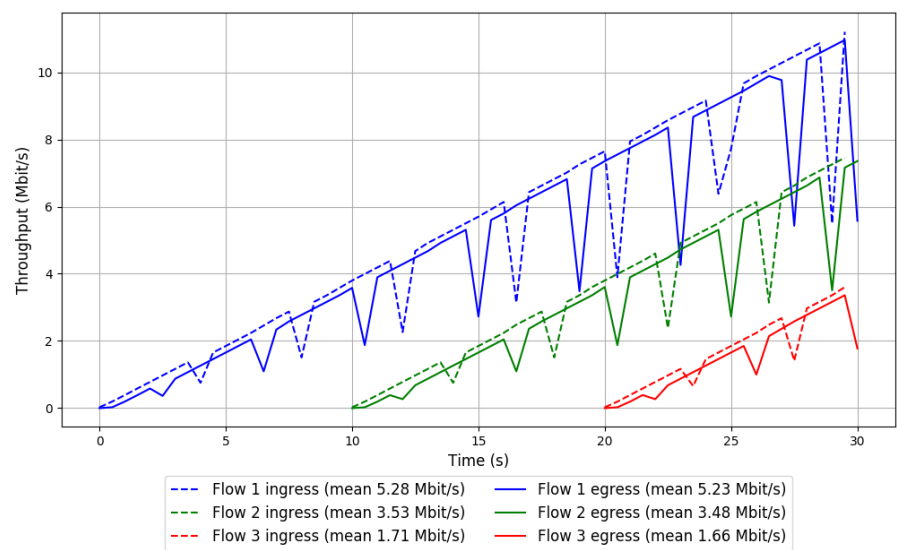


```
Run 1: Statistics of LEDBAT

Start at: 2019-10-03 10:43:10
End at: 2019-10-03 10:43:40
Local clock offset: -0.266 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2019-10-03 16:12:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 133.442 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 133.551 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 133.257 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.059 ms
Loss rate: 5.42%
```

Run 1: Report of LEDBAT — Data Link

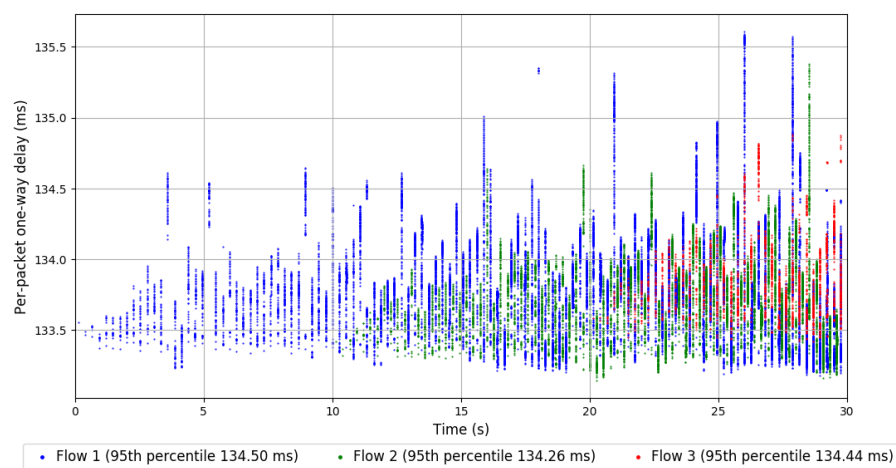
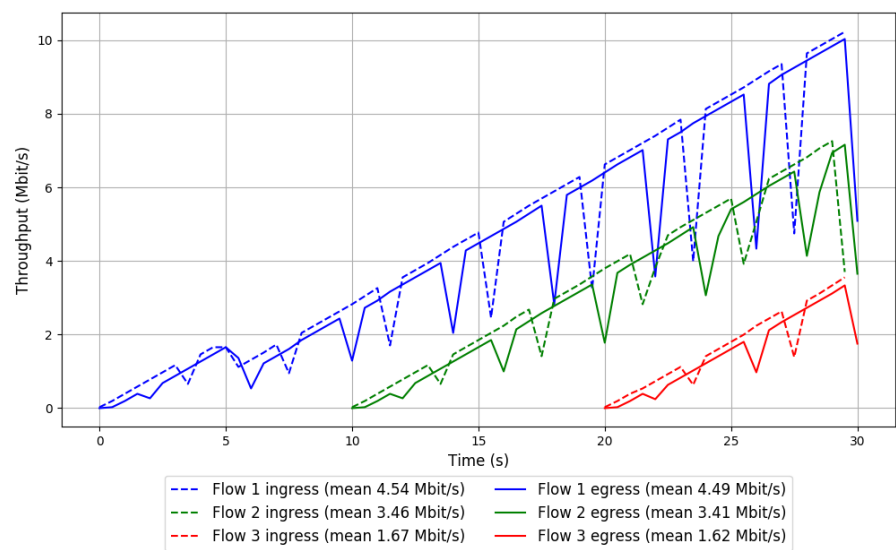


Run 2: Statistics of LEDBAT

Start at: 2019-10-03 11:26:21
End at: 2019-10-03 11:26:51
Local clock offset: -0.046 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2019-10-03 16:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 134.421 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 134.504 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 134.260 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 134.445 ms
Loss rate: 5.46%

Run 2: Report of LEDBAT — Data Link

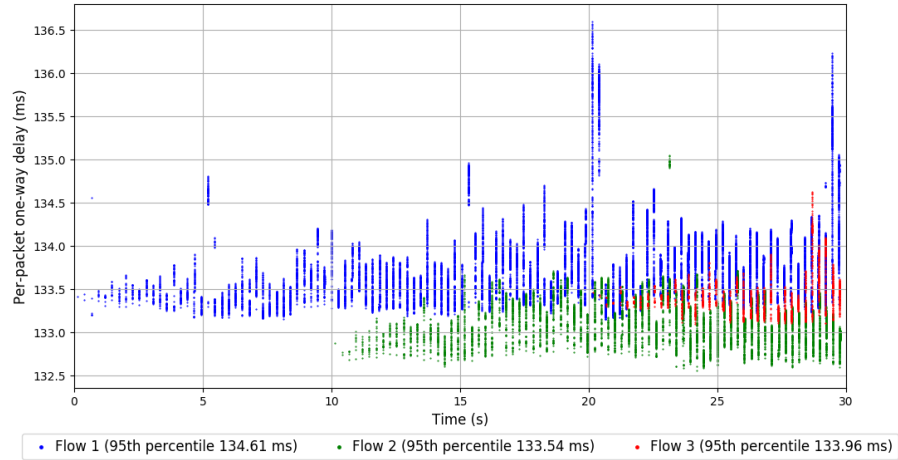
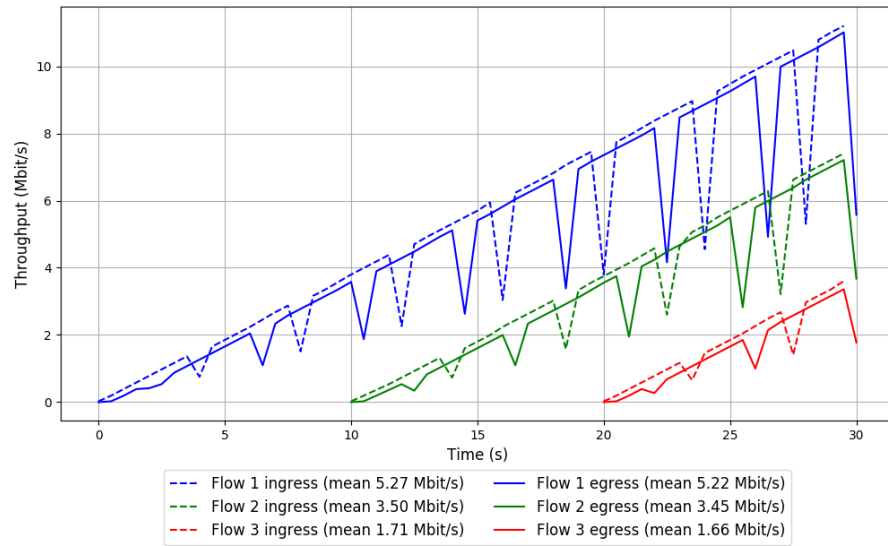


Run 3: Statistics of LEDBAT

Start at: 2019-10-03 12:09:29
End at: 2019-10-03 12:09:59
Local clock offset: 0.237 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-10-03 16:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 134.309 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 134.614 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 133.536 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 133.964 ms
Loss rate: 5.42%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-10-03 12:52:32

End at: 2019-10-03 12:53:02

Local clock offset: 0.114 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2019-10-03 16:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 133.647 ms

Loss rate: 2.28%

-- Flow 1:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 133.795 ms

Loss rate: 1.78%

-- Flow 2:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 133.507 ms

Loss rate: 2.65%

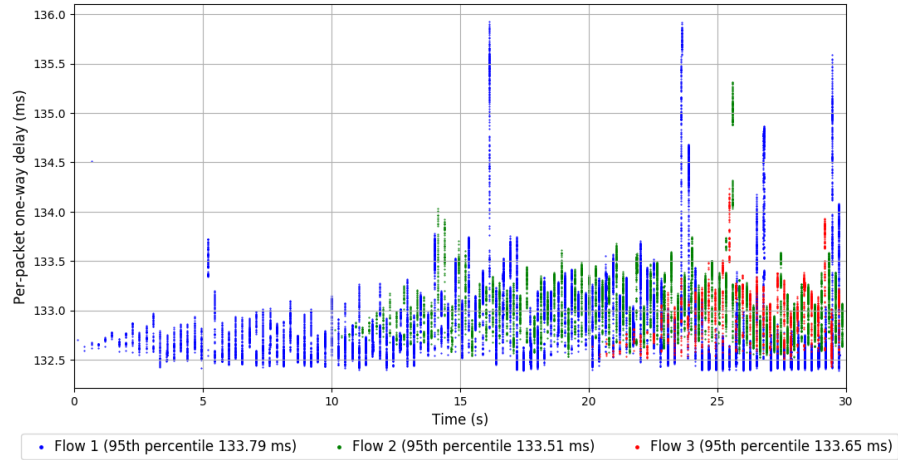
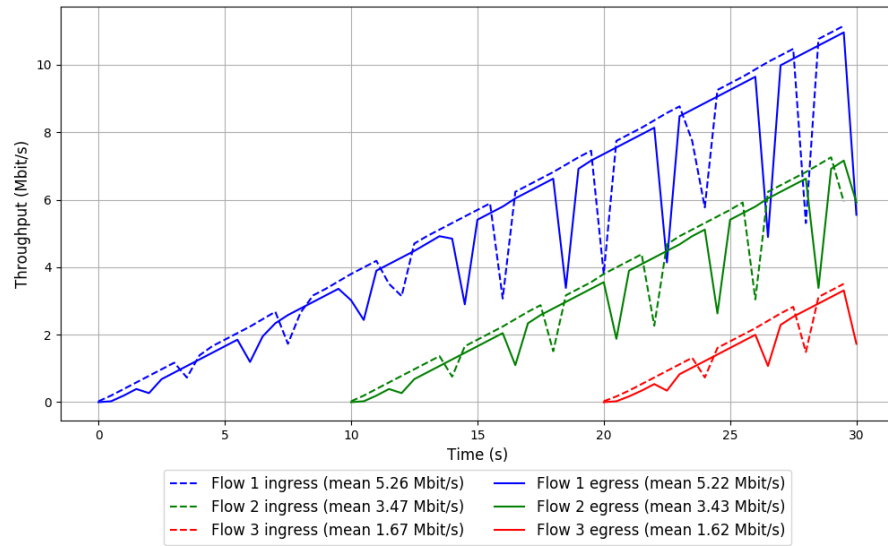
-- Flow 3:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 133.646 ms

Loss rate: 5.42%

Run 4: Report of LEDBAT — Data Link

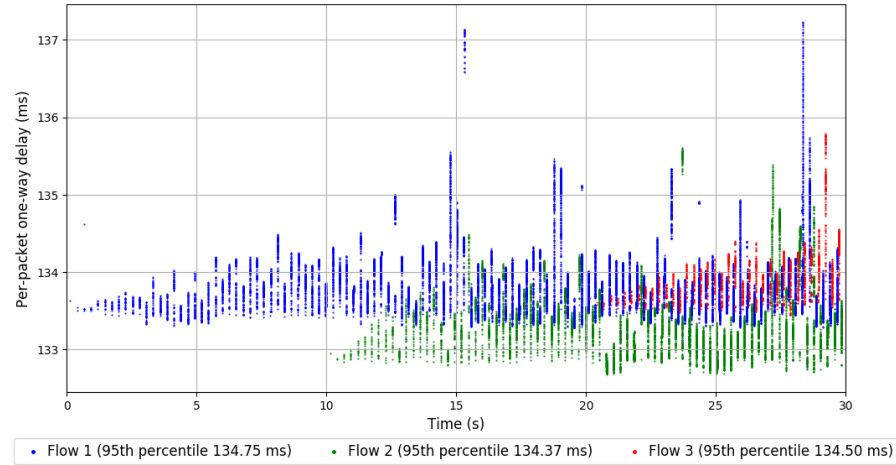
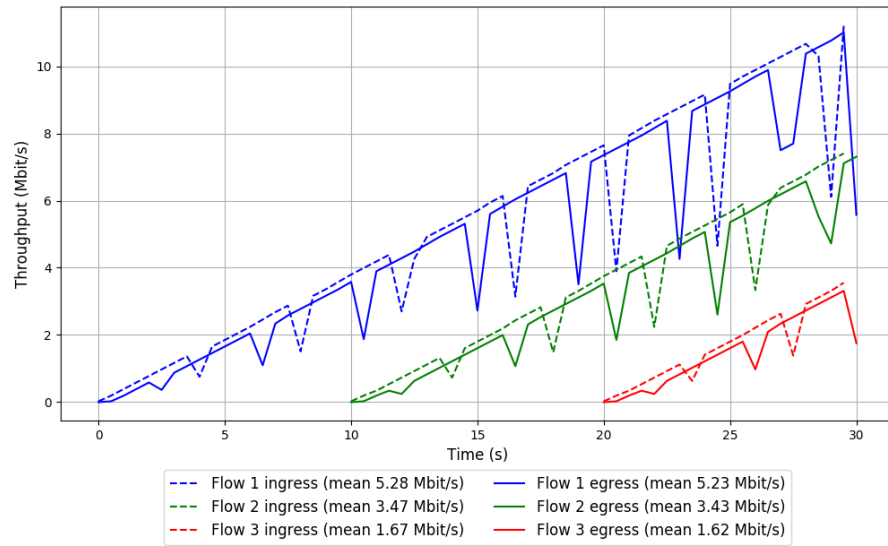


Run 5: Statistics of LEDBAT

Start at: 2019-10-03 13:35:37
End at: 2019-10-03 13:36:07
Local clock offset: 0.367 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-10-03 16:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 134.570 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 134.750 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 134.370 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 134.501 ms
Loss rate: 5.48%

Run 5: Report of LEDBAT — Data Link

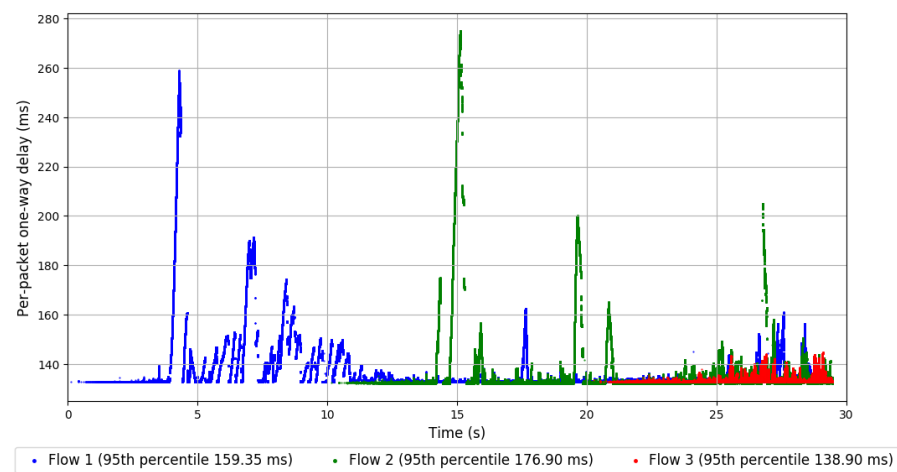
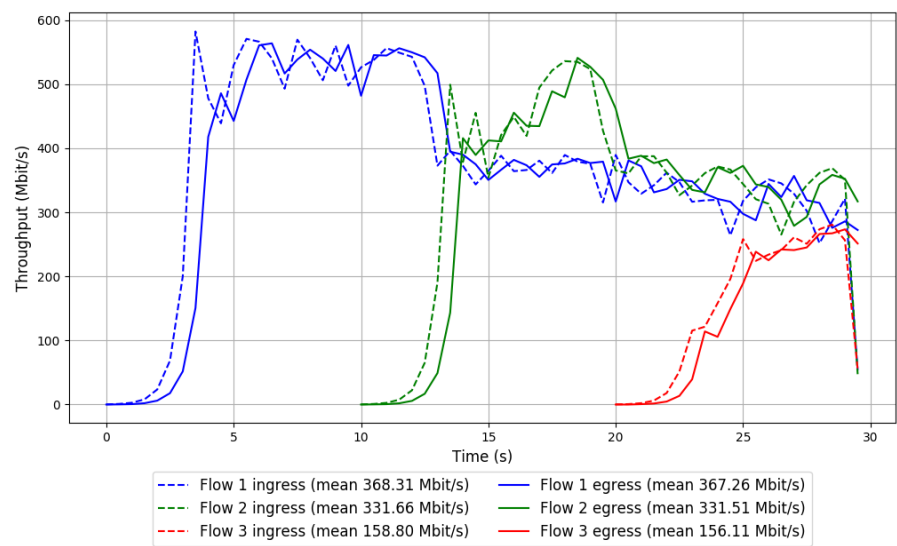


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-10-03 11:03:12
End at: 2019-10-03 11:03:42
Local clock offset: -0.253 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-10-03 16:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.18 Mbit/s
95th percentile per-packet one-way delay: 160.666 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 367.26 Mbit/s
95th percentile per-packet one-way delay: 159.354 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 331.51 Mbit/s
95th percentile per-packet one-way delay: 176.897 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 156.11 Mbit/s
95th percentile per-packet one-way delay: 138.901 ms
Loss rate: 4.55%

Run 1: Report of Muses_DecisionTree — Data Link

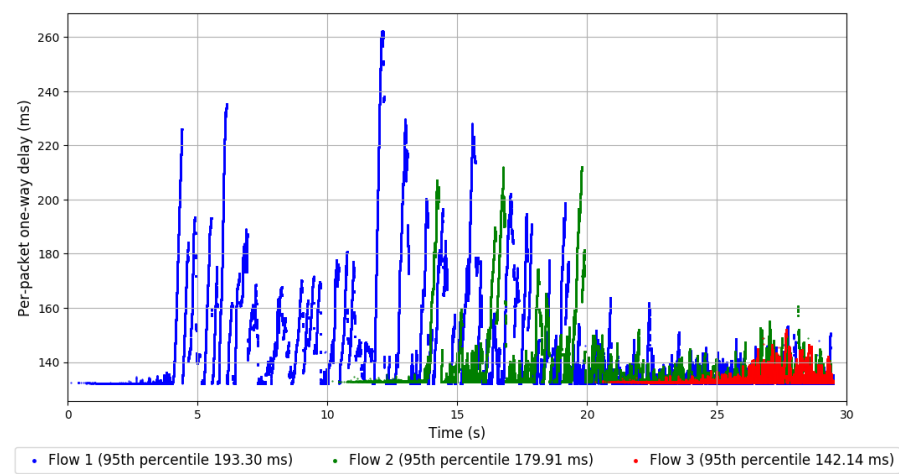
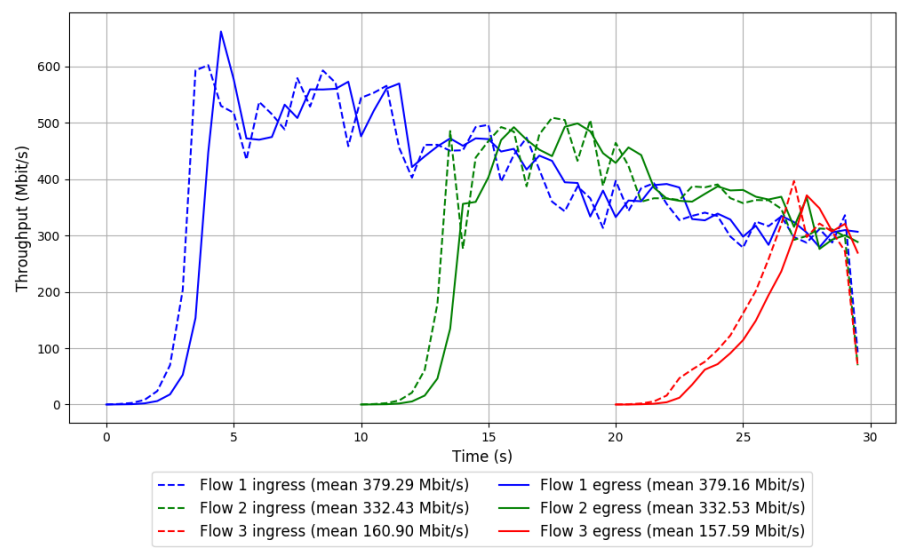


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-10-03 11:46:35
End at: 2019-10-03 11:47:05
Local clock offset: -0.231 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-10-03 16:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 647.00 Mbit/s
95th percentile per-packet one-way delay: 188.283 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 379.16 Mbit/s
95th percentile per-packet one-way delay: 193.299 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 332.53 Mbit/s
95th percentile per-packet one-way delay: 179.905 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 157.59 Mbit/s
95th percentile per-packet one-way delay: 142.142 ms
Loss rate: 4.83%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-10-03 12:29:40

End at: 2019-10-03 12:30:10

Local clock offset: -0.175 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2019-10-03 16:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 608.50 Mbit/s

95th percentile per-packet one-way delay: 185.536 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 342.11 Mbit/s

95th percentile per-packet one-way delay: 193.081 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 325.09 Mbit/s

95th percentile per-packet one-way delay: 170.213 ms

Loss rate: 1.41%

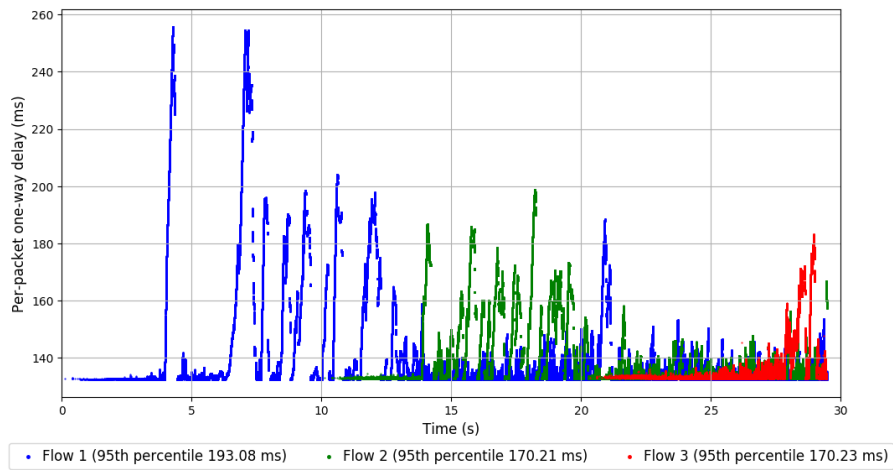
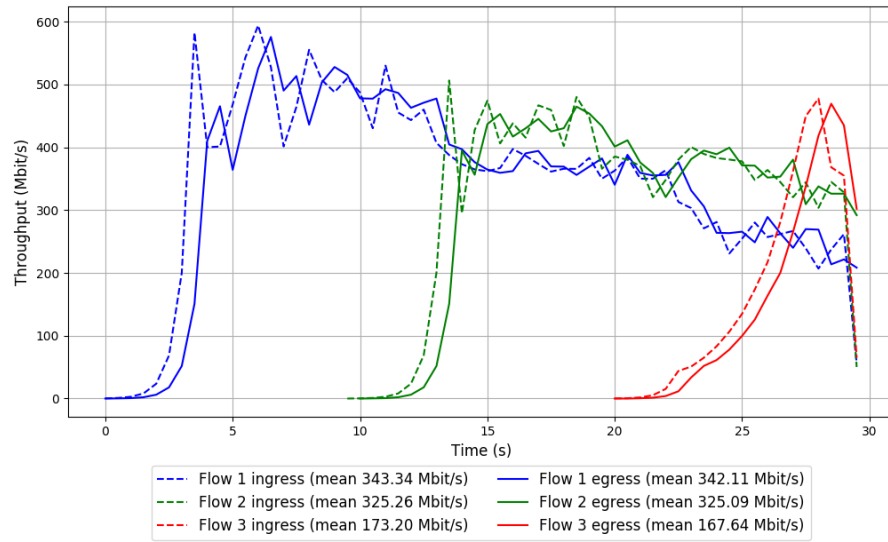
-- Flow 3:

Average throughput: 167.64 Mbit/s

95th percentile per-packet one-way delay: 170.226 ms

Loss rate: 6.06%

Run 3: Report of Muses_DecisionTree — Data Link

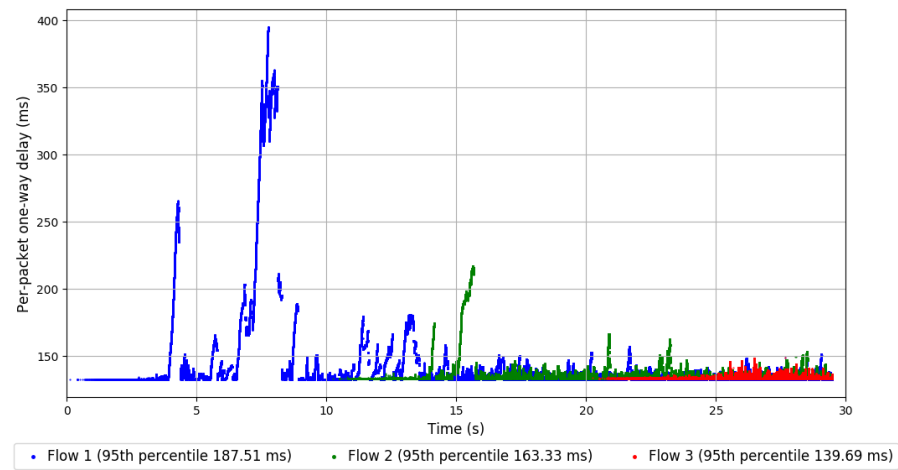
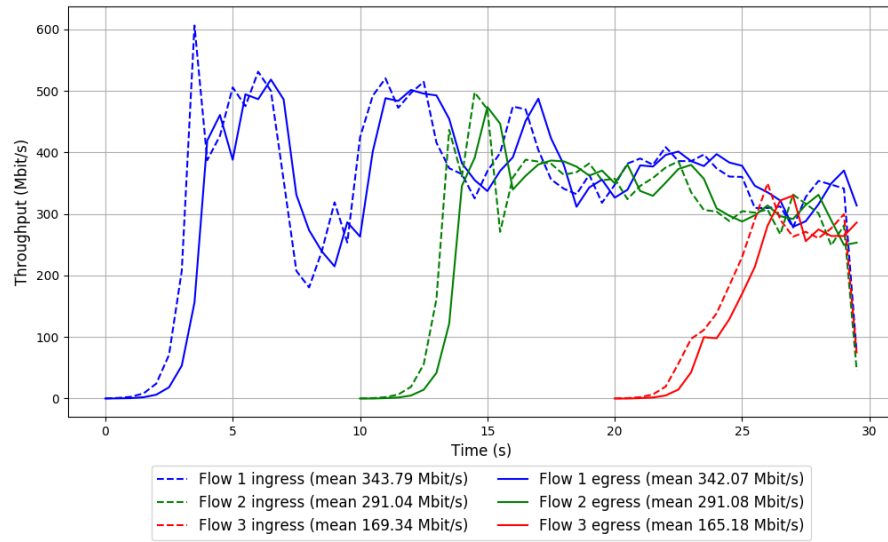


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-10-03 13:12:28
End at: 2019-10-03 13:12:58
Local clock offset: 0.511 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-10-03 16:16:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 584.78 Mbit/s
95th percentile per-packet one-way delay: 178.478 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 342.07 Mbit/s
95th percentile per-packet one-way delay: 187.510 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 291.08 Mbit/s
95th percentile per-packet one-way delay: 163.326 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 165.18 Mbit/s
95th percentile per-packet one-way delay: 139.694 ms
Loss rate: 5.22%

Run 4: Report of Muses_DecisionTree — Data Link

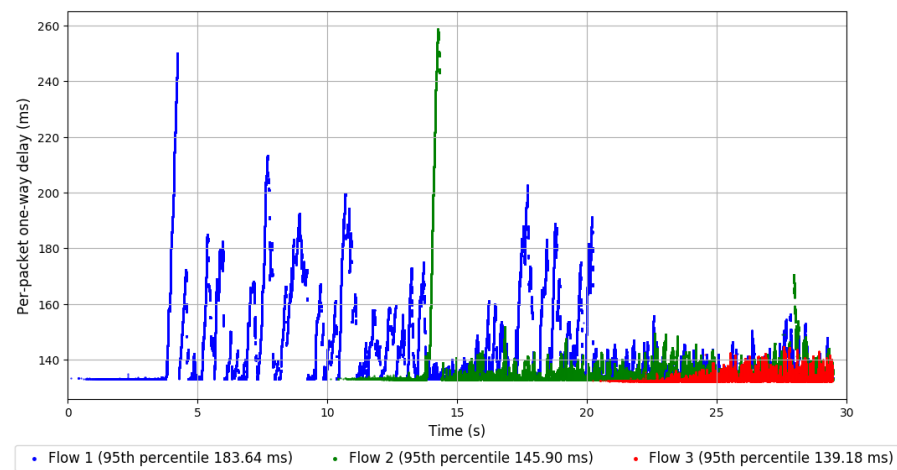
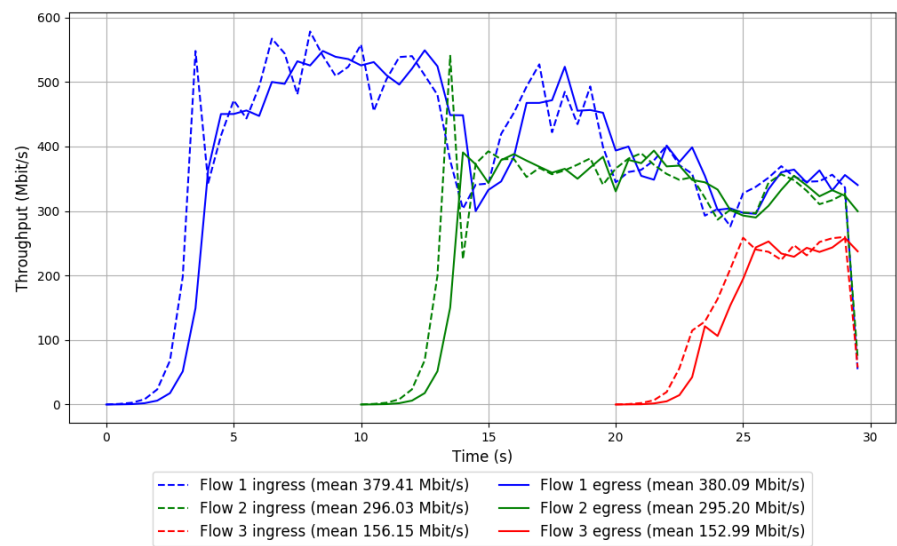


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-10-03 13:55:20
End at: 2019-10-03 13:55:50
Local clock offset: -0.148 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-10-03 16:17:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 622.68 Mbit/s
95th percentile per-packet one-way delay: 180.416 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 380.09 Mbit/s
95th percentile per-packet one-way delay: 183.642 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 295.20 Mbit/s
95th percentile per-packet one-way delay: 145.903 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 152.99 Mbit/s
95th percentile per-packet one-way delay: 139.177 ms
Loss rate: 5.03%

Run 5: Report of Muses_DecisionTree — Data Link

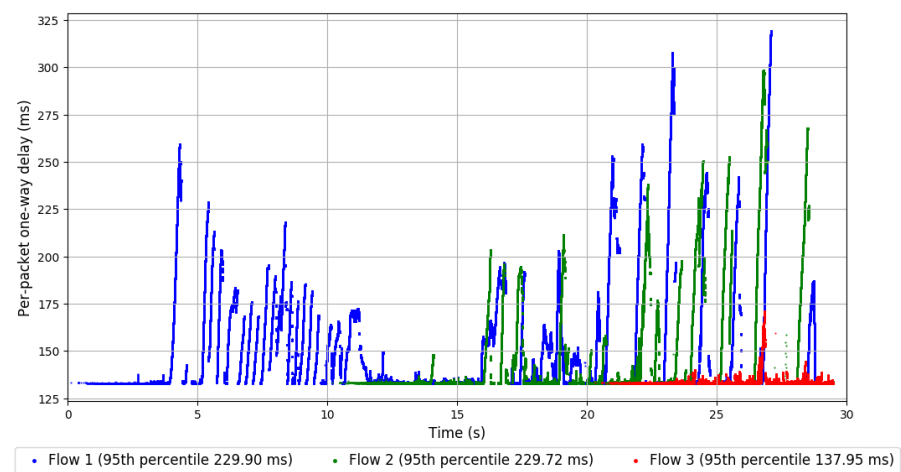
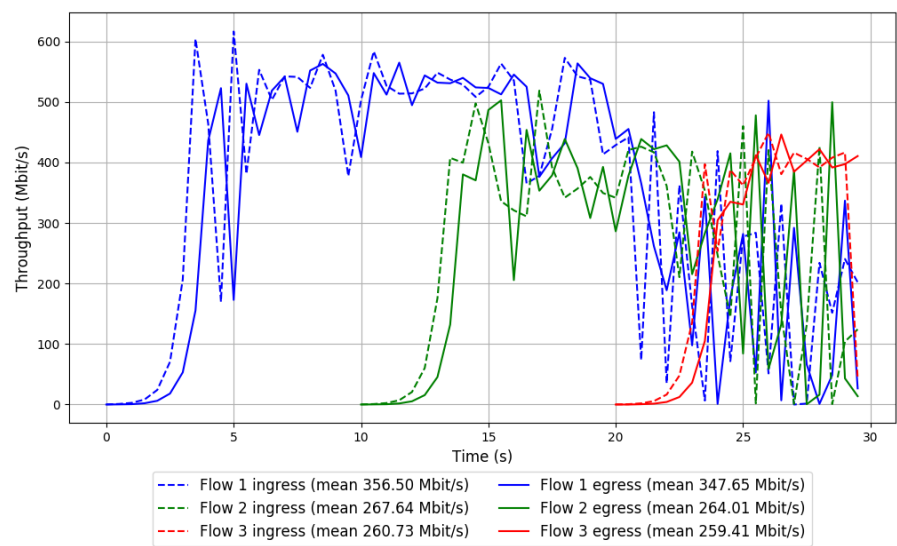


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 11:05:10
End at: 2019-10-03 11:05:40
Local clock offset: 0.137 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-10-03 16:19:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.24 Mbit/s
95th percentile per-packet one-way delay: 226.117 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 347.65 Mbit/s
95th percentile per-packet one-way delay: 229.898 ms
Loss rate: 3.37%
-- Flow 2:
Average throughput: 264.01 Mbit/s
95th percentile per-packet one-way delay: 229.716 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 259.41 Mbit/s
95th percentile per-packet one-way delay: 137.950 ms
Loss rate: 3.31%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

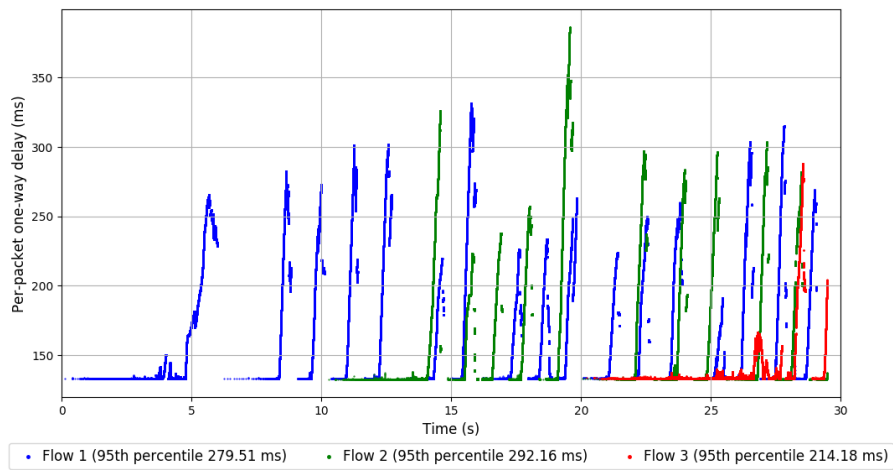
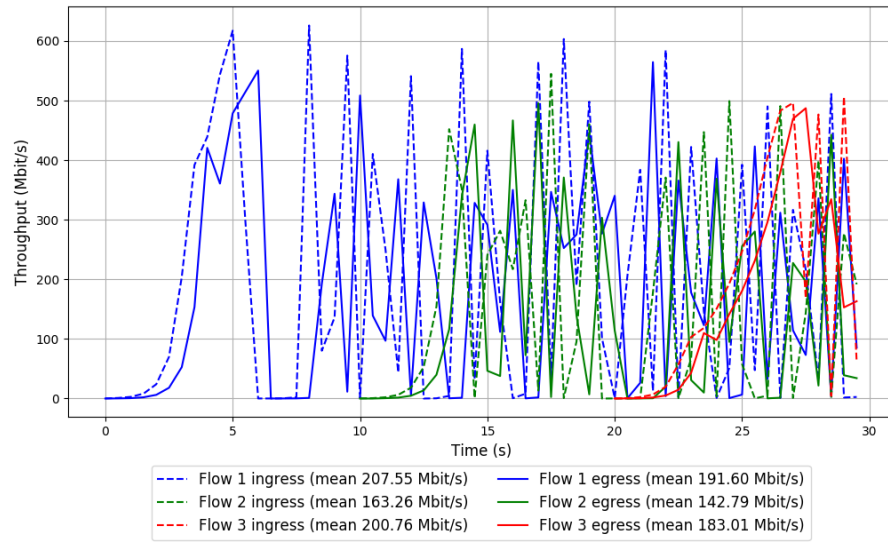


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 11:48:33
End at: 2019-10-03 11:49:03
Local clock offset: 0.024 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2019-10-03 16:19:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.63 Mbit/s
95th percentile per-packet one-way delay: 280.637 ms
Loss rate: 10.51%
-- Flow 1:
Average throughput: 191.60 Mbit/s
95th percentile per-packet one-way delay: 279.510 ms
Loss rate: 8.60%
-- Flow 2:
Average throughput: 142.79 Mbit/s
95th percentile per-packet one-way delay: 292.157 ms
Loss rate: 13.73%
-- Flow 3:
Average throughput: 183.01 Mbit/s
95th percentile per-packet one-way delay: 214.177 ms
Loss rate: 11.26%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 12:31:37

End at: 2019-10-03 12:32:07

Local clock offset: -0.135 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-10-03 16:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 522.60 Mbit/s

95th percentile per-packet one-way delay: 259.968 ms

Loss rate: 4.98%

-- Flow 1:

Average throughput: 236.64 Mbit/s

95th percentile per-packet one-way delay: 283.278 ms

Loss rate: 5.95%

-- Flow 2:

Average throughput: 350.28 Mbit/s

95th percentile per-packet one-way delay: 196.611 ms

Loss rate: 2.17%

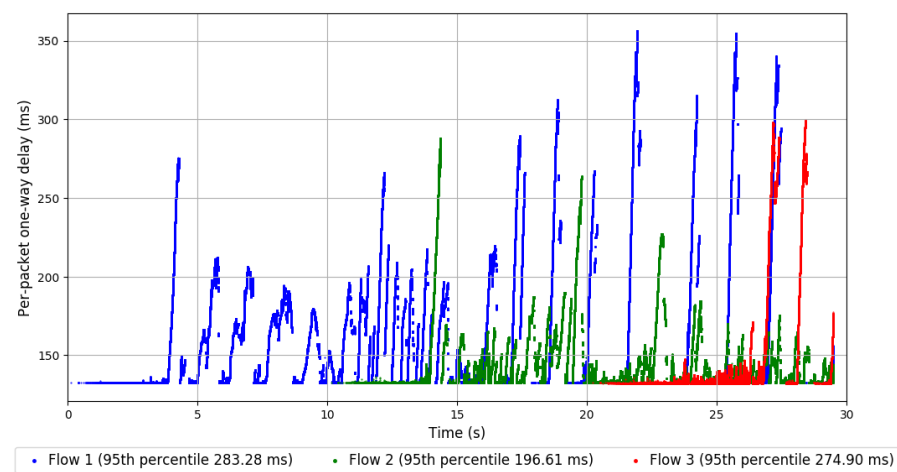
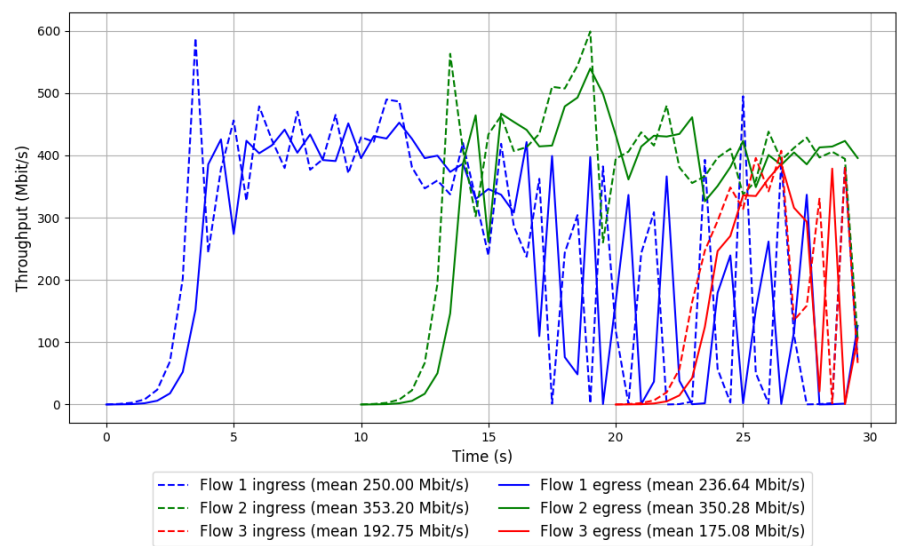
-- Flow 3:

Average throughput: 175.08 Mbit/s

95th percentile per-packet one-way delay: 274.899 ms

Loss rate: 11.70%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

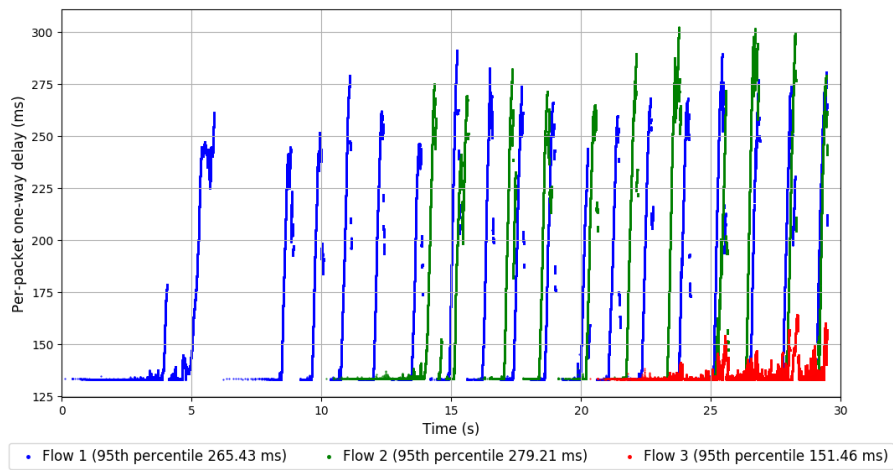
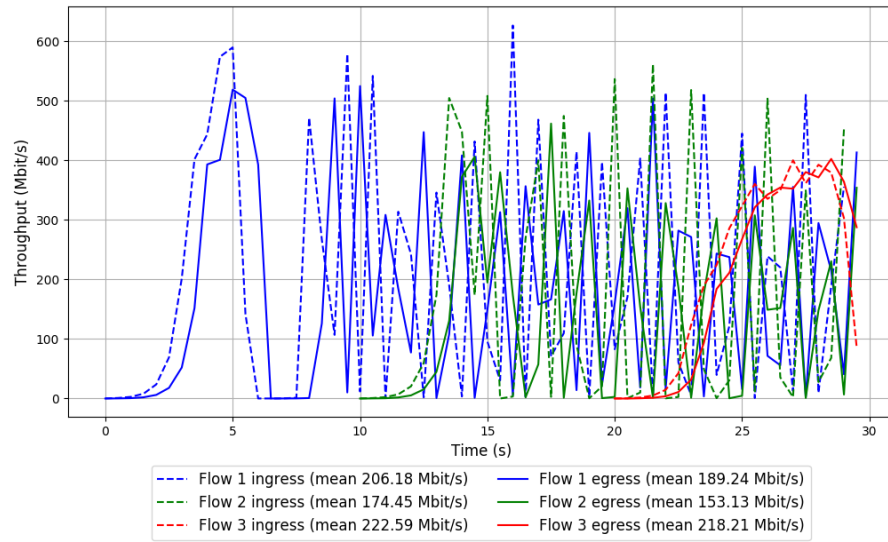


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 13:14:23
End at: 2019-10-03 13:14:53
Local clock offset: 0.515 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-10-03 16:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.67 Mbit/s
95th percentile per-packet one-way delay: 268.944 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 189.24 Mbit/s
95th percentile per-packet one-way delay: 265.426 ms
Loss rate: 8.08%
-- Flow 2:
Average throughput: 153.13 Mbit/s
95th percentile per-packet one-way delay: 279.207 ms
Loss rate: 12.41%
-- Flow 3:
Average throughput: 218.21 Mbit/s
95th percentile per-packet one-way delay: 151.455 ms
Loss rate: 4.75%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

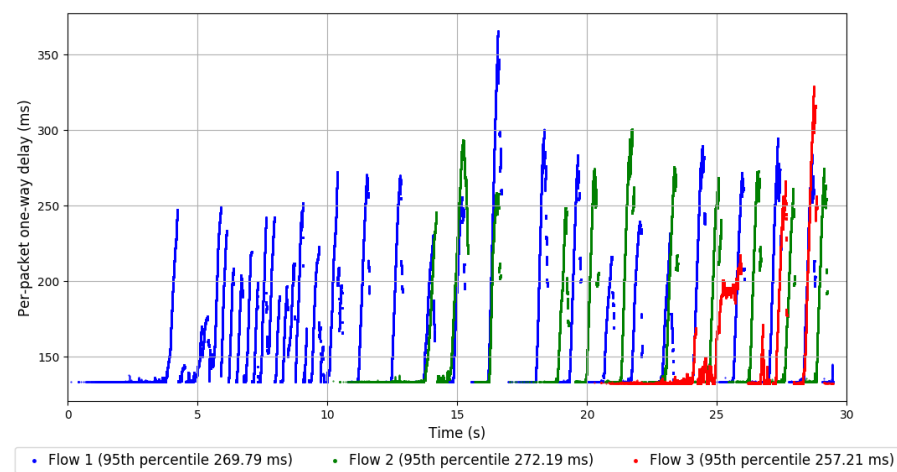
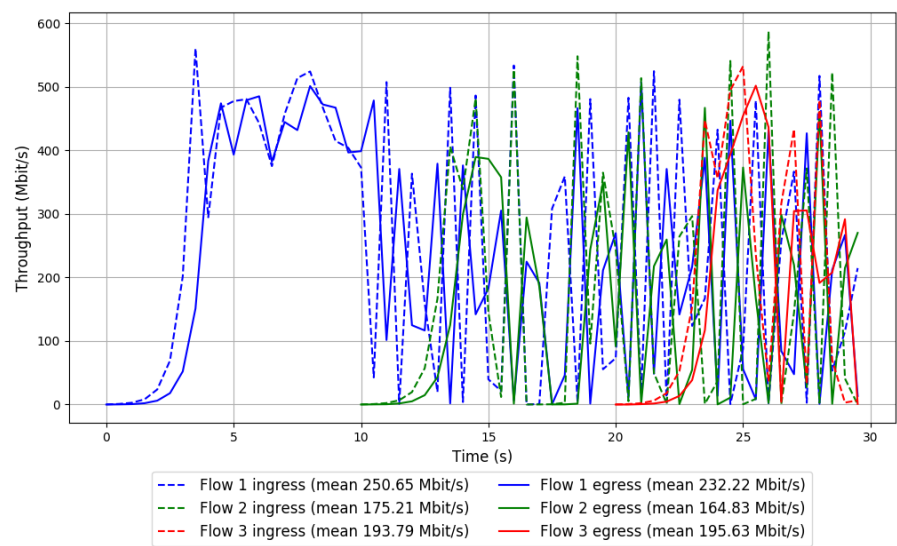


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 13:57:17
End at: 2019-10-03 13:57:47
Local clock offset: 0.273 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-10-03 16:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.45 Mbit/s
95th percentile per-packet one-way delay: 270.431 ms
Loss rate: 7.21%
-- Flow 1:
Average throughput: 232.22 Mbit/s
95th percentile per-packet one-way delay: 269.793 ms
Loss rate: 8.19%
-- Flow 2:
Average throughput: 164.83 Mbit/s
95th percentile per-packet one-way delay: 272.193 ms
Loss rate: 7.95%
-- Flow 3:
Average throughput: 195.63 Mbit/s
95th percentile per-packet one-way delay: 257.214 ms
Loss rate: 1.90%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

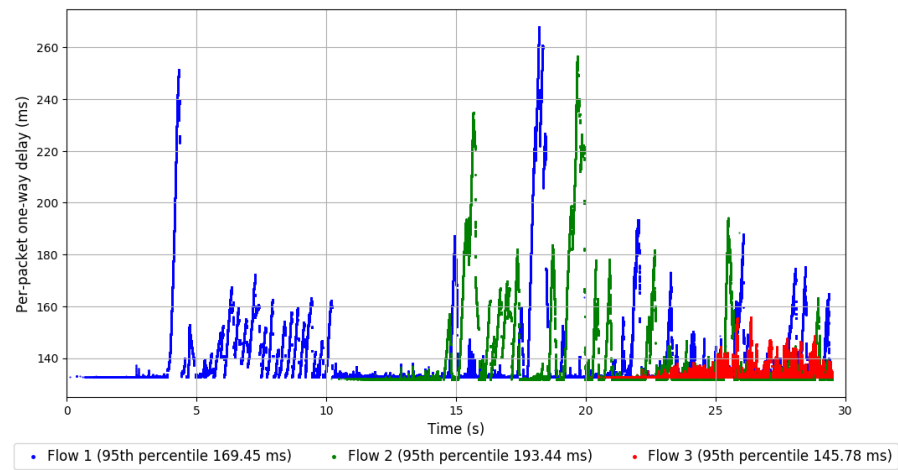
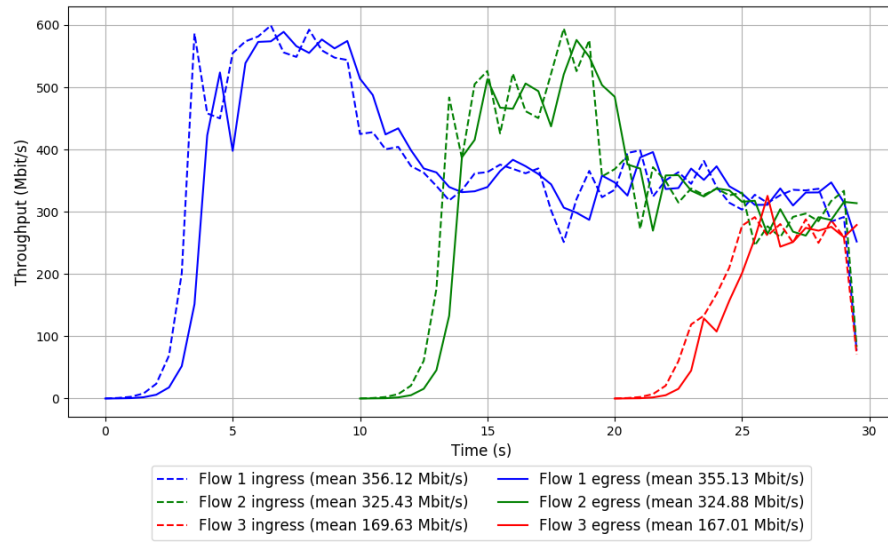


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 11:01:15
End at: 2019-10-03 11:01:45
Local clock offset: -0.24 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2019-10-03 16:27:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.22 Mbit/s
95th percentile per-packet one-way delay: 181.116 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 355.13 Mbit/s
95th percentile per-packet one-way delay: 169.453 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 324.88 Mbit/s
95th percentile per-packet one-way delay: 193.436 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 167.01 Mbit/s
95th percentile per-packet one-way delay: 145.777 ms
Loss rate: 4.27%

Run 1: Report of Muses_DecisionTreeR0 — Data Link

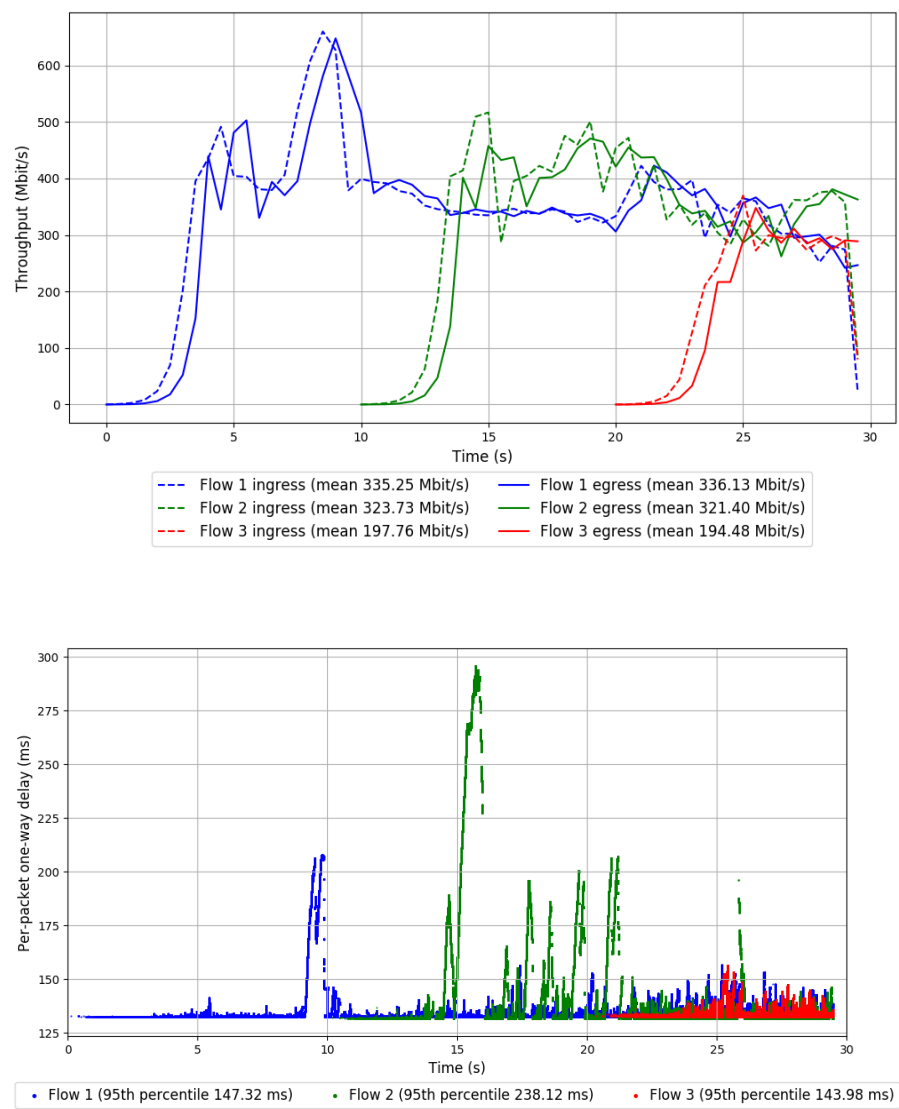


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 11:44:39
End at: 2019-10-03 11:45:09
Local clock offset: -0.315 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-10-03 16:30:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 607.79 Mbit/s
95th percentile per-packet one-way delay: 183.250 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 336.13 Mbit/s
95th percentile per-packet one-way delay: 147.316 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 321.40 Mbit/s
95th percentile per-packet one-way delay: 238.121 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 194.48 Mbit/s
95th percentile per-packet one-way delay: 143.980 ms
Loss rate: 4.44%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 12:27:42

End at: 2019-10-03 12:28:12

Local clock offset: 0.468 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2019-10-03 16:31:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 628.02 Mbit/s

95th percentile per-packet one-way delay: 182.790 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 353.05 Mbit/s

95th percentile per-packet one-way delay: 182.454 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 328.24 Mbit/s

95th percentile per-packet one-way delay: 189.555 ms

Loss rate: 1.41%

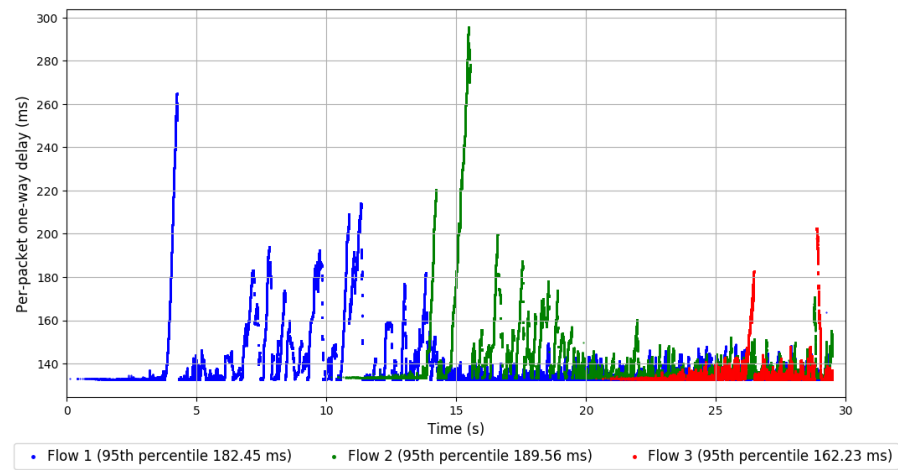
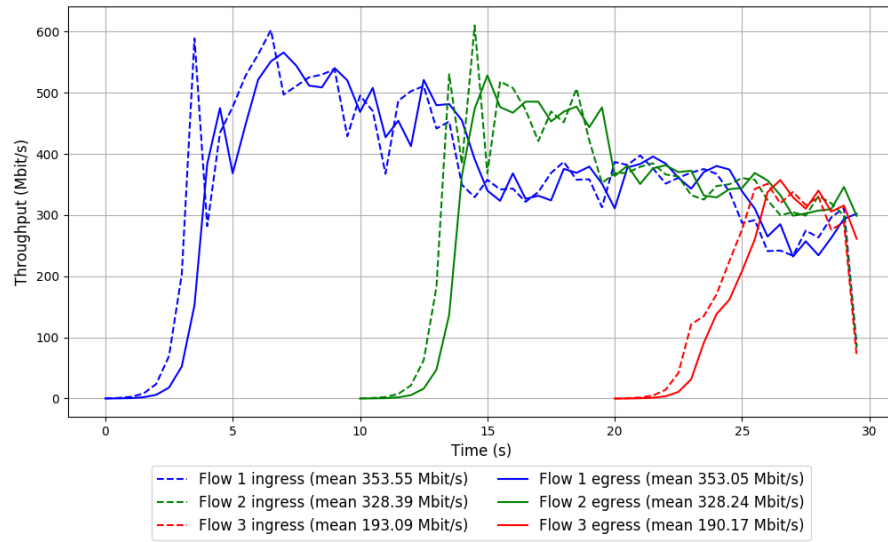
-- Flow 3:

Average throughput: 190.17 Mbit/s

95th percentile per-packet one-way delay: 162.228 ms

Loss rate: 4.31%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

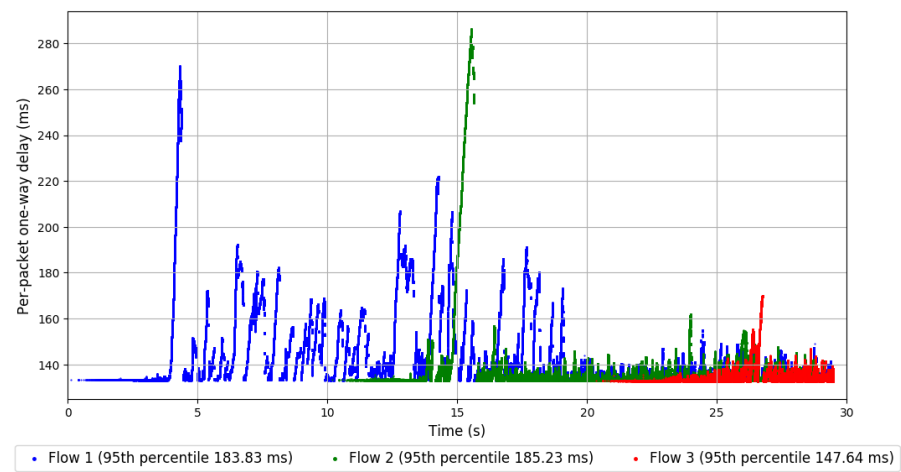
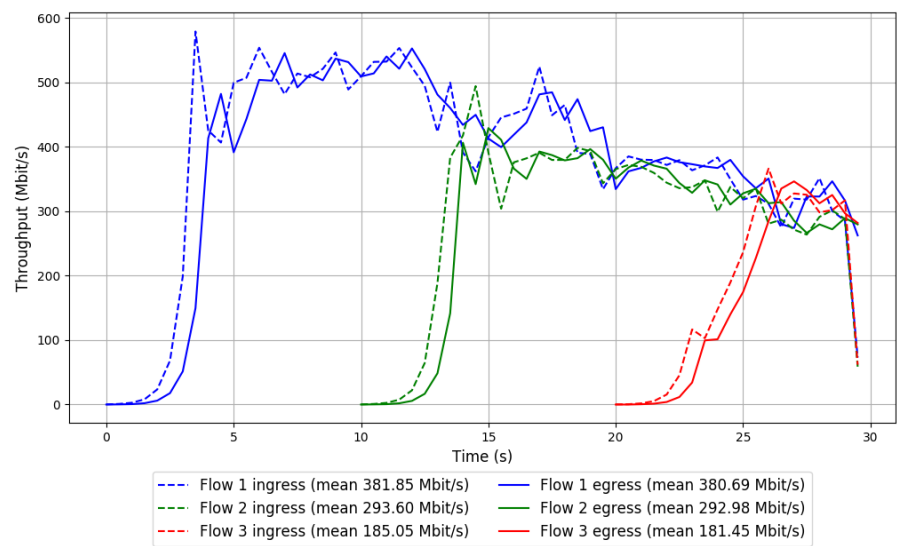


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 13:10:30
End at: 2019-10-03 13:11:00
Local clock offset: 0.1 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-10-03 16:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 629.84 Mbit/s
95th percentile per-packet one-way delay: 182.500 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 380.69 Mbit/s
95th percentile per-packet one-way delay: 183.827 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 292.98 Mbit/s
95th percentile per-packet one-way delay: 185.230 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 181.45 Mbit/s
95th percentile per-packet one-way delay: 147.644 ms
Loss rate: 4.89%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

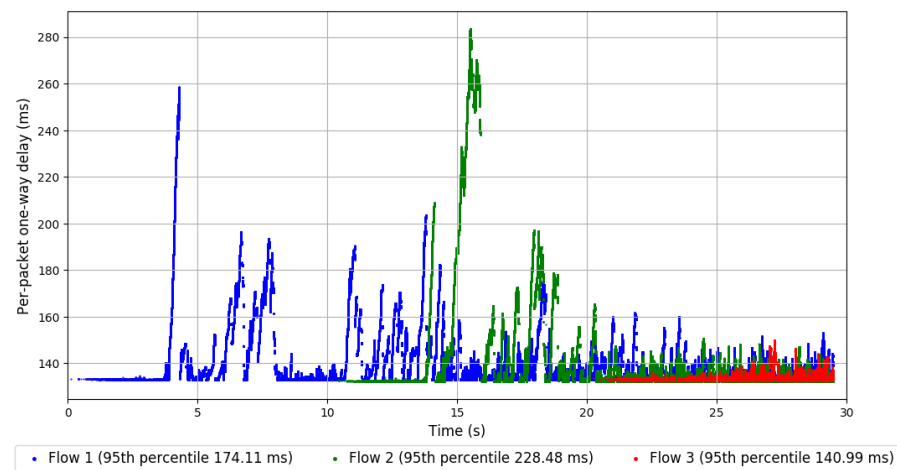
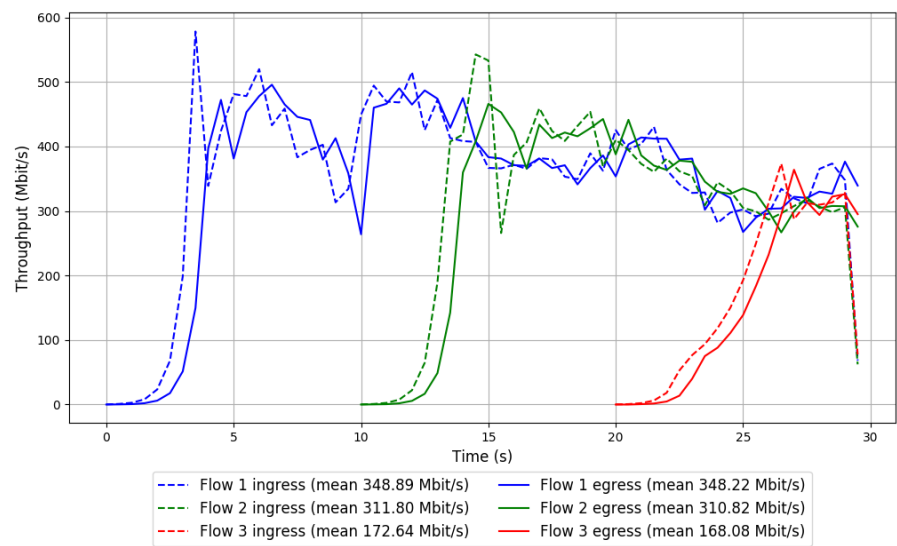


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 13:53:23
End at: 2019-10-03 13:53:53
Local clock offset: -0.11 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-10-03 16:32:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.46 Mbit/s
95th percentile per-packet one-way delay: 183.799 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 348.22 Mbit/s
95th percentile per-packet one-way delay: 174.112 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 310.82 Mbit/s
95th percentile per-packet one-way delay: 228.479 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 168.08 Mbit/s
95th percentile per-packet one-way delay: 140.988 ms
Loss rate: 5.37%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

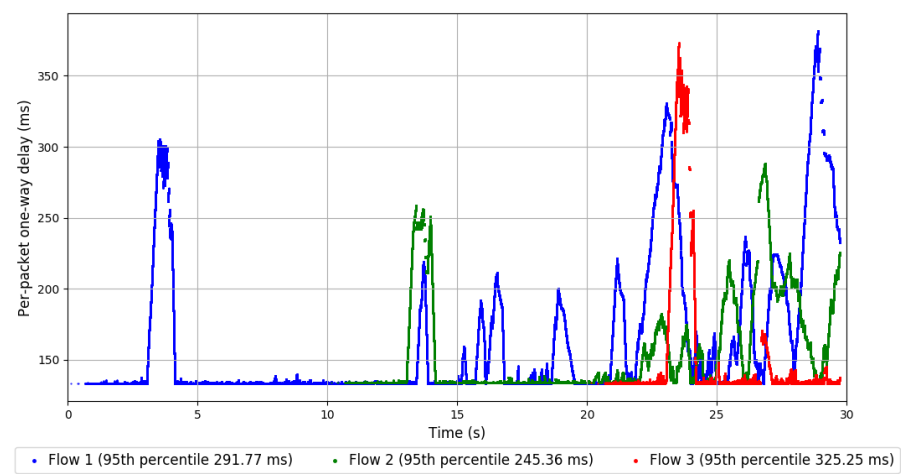
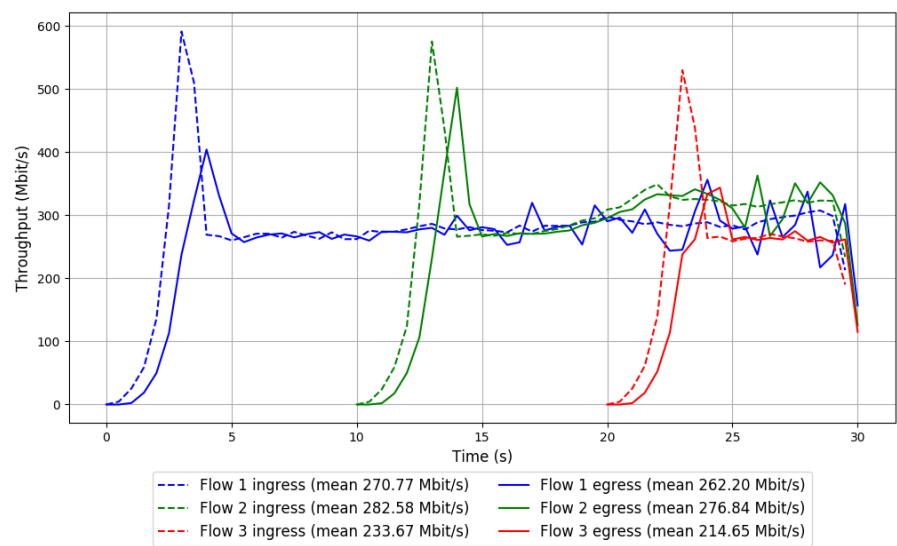


Run 1: Statistics of PCC-Allegro

Start at: 2019-10-03 11:14:28
End at: 2019-10-03 11:14:58
Local clock offset: 0.506 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-10-03 16:42:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.87 Mbit/s
95th percentile per-packet one-way delay: 281.510 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 262.20 Mbit/s
95th percentile per-packet one-way delay: 291.769 ms
Loss rate: 4.03%
-- Flow 2:
Average throughput: 276.84 Mbit/s
95th percentile per-packet one-way delay: 245.359 ms
Loss rate: 3.35%
-- Flow 3:
Average throughput: 214.65 Mbit/s
95th percentile per-packet one-way delay: 325.251 ms
Loss rate: 10.63%

Run 1: Report of PCC-Allegro — Data Link

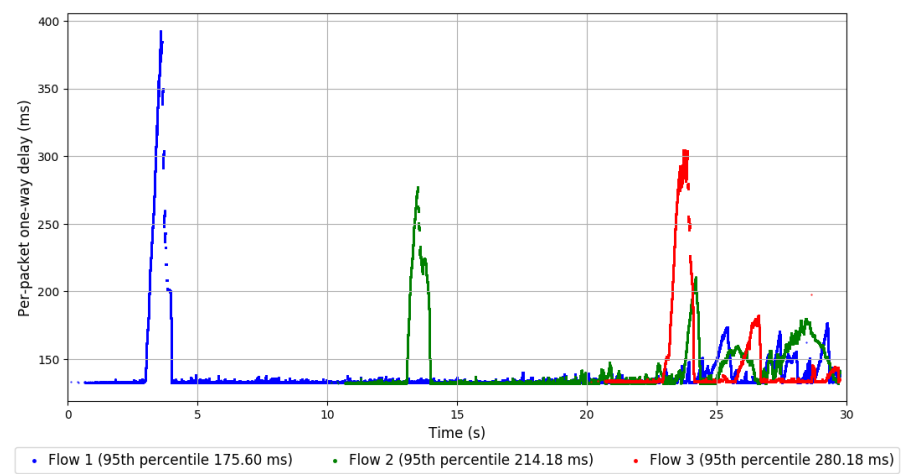
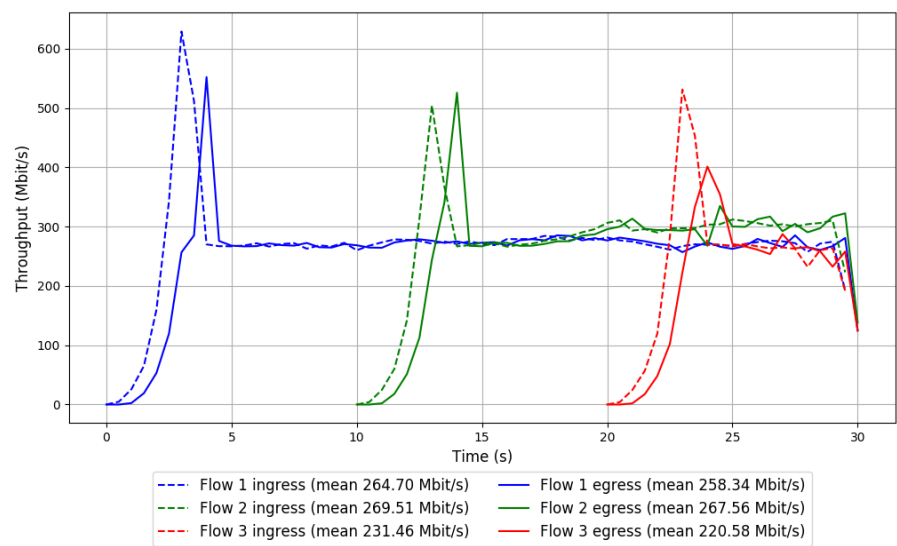


Run 2: Statistics of PCC-Allegro

Start at: 2019-10-03 11:57:38
End at: 2019-10-03 11:58:08
Local clock offset: 0.035 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-10-03 16:43:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.77 Mbit/s
95th percentile per-packet one-way delay: 214.798 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 258.34 Mbit/s
95th percentile per-packet one-way delay: 175.605 ms
Loss rate: 3.27%
-- Flow 2:
Average throughput: 267.56 Mbit/s
95th percentile per-packet one-way delay: 214.183 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 220.58 Mbit/s
95th percentile per-packet one-way delay: 280.176 ms
Loss rate: 7.28%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-10-03 12:40:57

End at: 2019-10-03 12:41:27

Local clock offset: 0.061 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-10-03 16:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 509.67 Mbit/s

95th percentile per-packet one-way delay: 218.543 ms

Loss rate: 3.17%

-- Flow 1:

Average throughput: 262.95 Mbit/s

95th percentile per-packet one-way delay: 191.975 ms

Loss rate: 3.33%

-- Flow 2:

Average throughput: 261.46 Mbit/s

95th percentile per-packet one-way delay: 205.712 ms

Loss rate: 2.35%

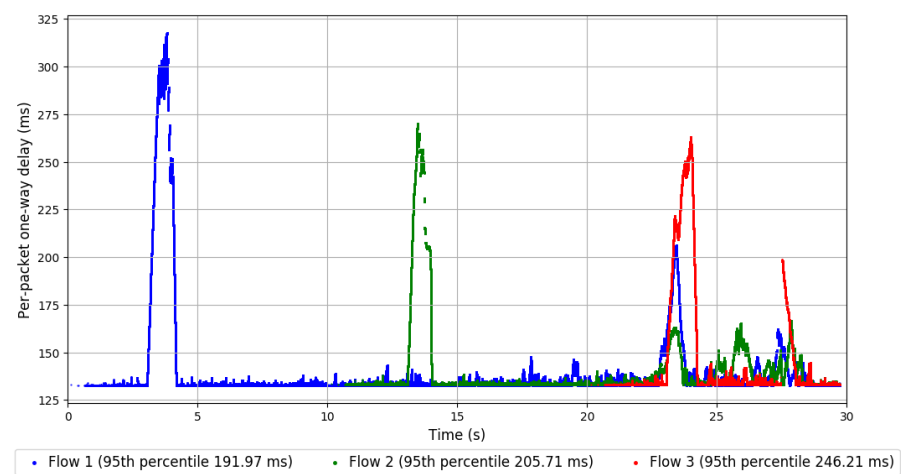
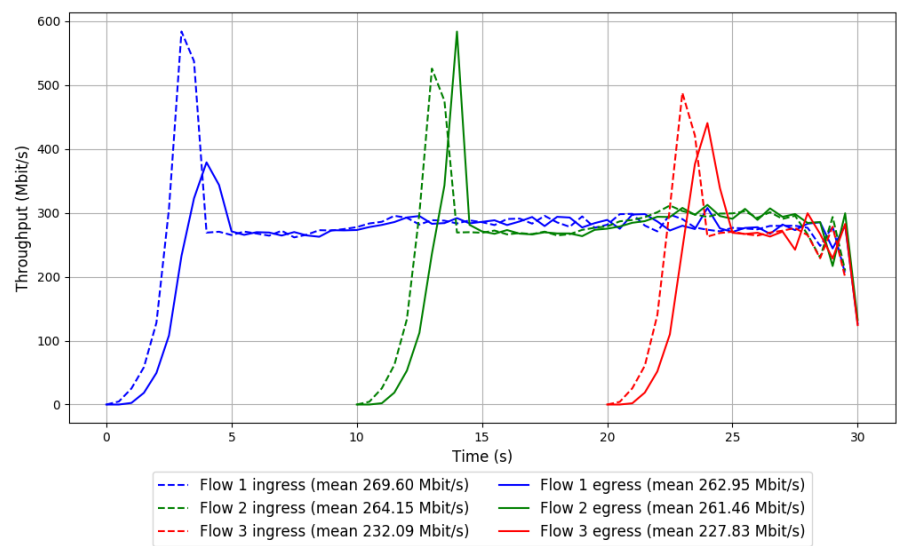
-- Flow 3:

Average throughput: 227.83 Mbit/s

95th percentile per-packet one-way delay: 246.205 ms

Loss rate: 4.50%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-10-03 13:23:33

End at: 2019-10-03 13:24:03

Local clock offset: 0.248 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-10-03 16:50:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 521.09 Mbit/s

95th percentile per-packet one-way delay: 244.053 ms

Loss rate: 3.99%

-- Flow 1:

Average throughput: 281.62 Mbit/s

95th percentile per-packet one-way delay: 204.542 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 256.32 Mbit/s

95th percentile per-packet one-way delay: 245.691 ms

Loss rate: 3.74%

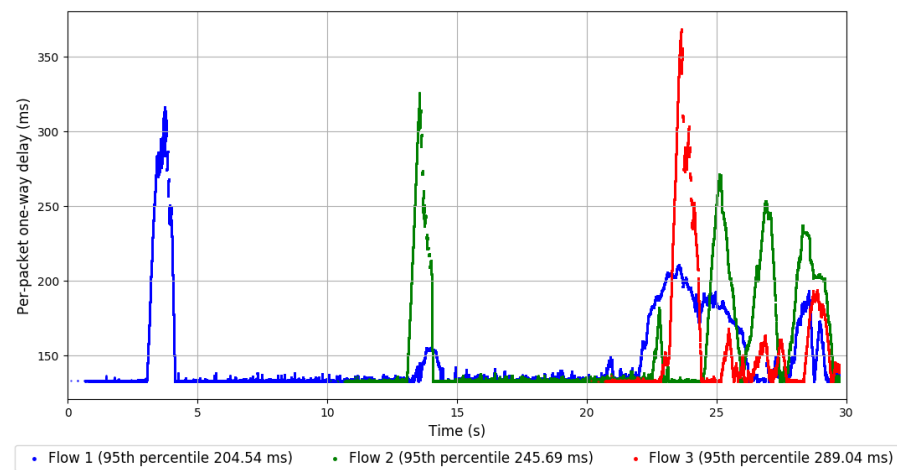
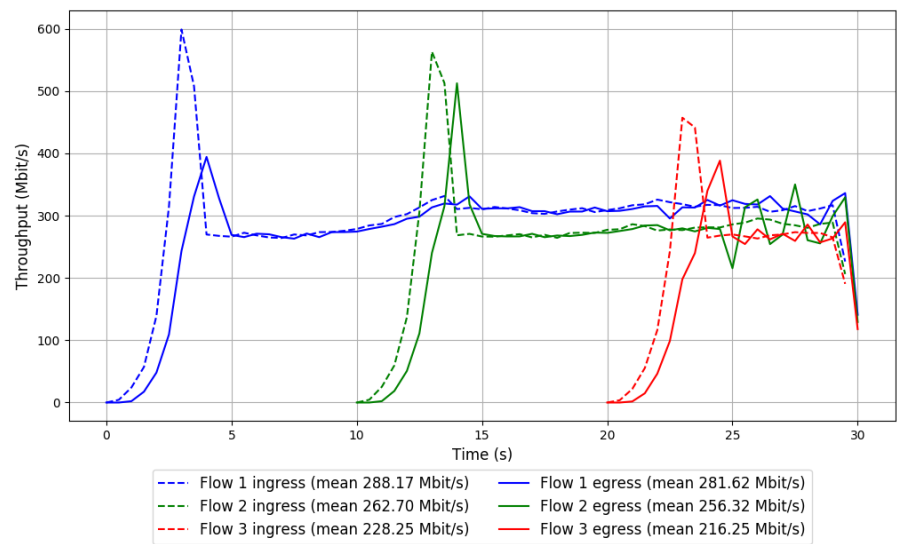
-- Flow 3:

Average throughput: 216.25 Mbit/s

95th percentile per-packet one-way delay: 289.043 ms

Loss rate: 7.82%

Run 4: Report of PCC-Allegro — Data Link

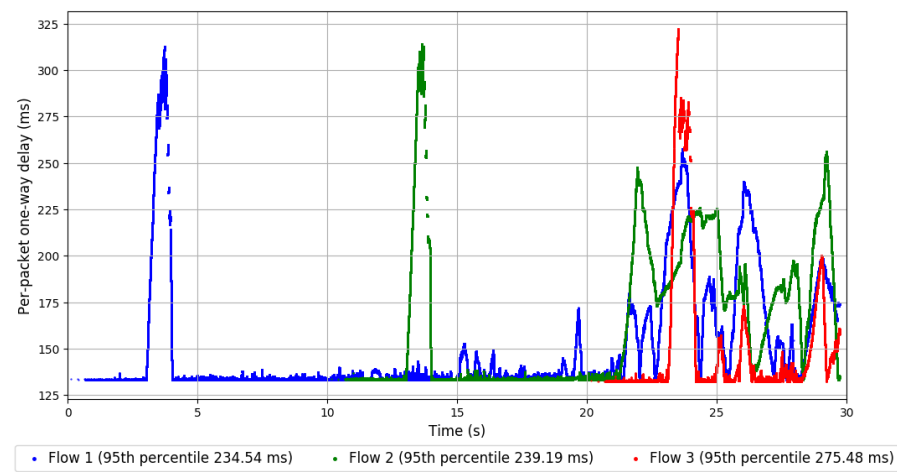
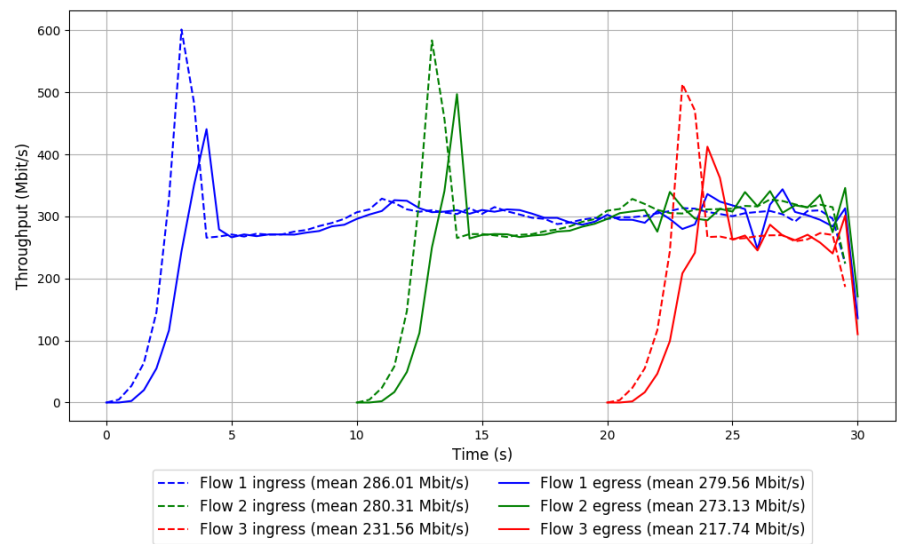


Run 5: Statistics of PCC-Allegro

Start at: 2019-10-03 14:06:23
End at: 2019-10-03 14:06:53
Local clock offset: 0.085 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2019-10-03 16:53:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.65 Mbit/s
95th percentile per-packet one-way delay: 240.433 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 279.56 Mbit/s
95th percentile per-packet one-way delay: 234.536 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 273.13 Mbit/s
95th percentile per-packet one-way delay: 239.187 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 217.74 Mbit/s
95th percentile per-packet one-way delay: 275.477 ms
Loss rate: 8.52%

Run 5: Report of PCC-Allegro — Data Link

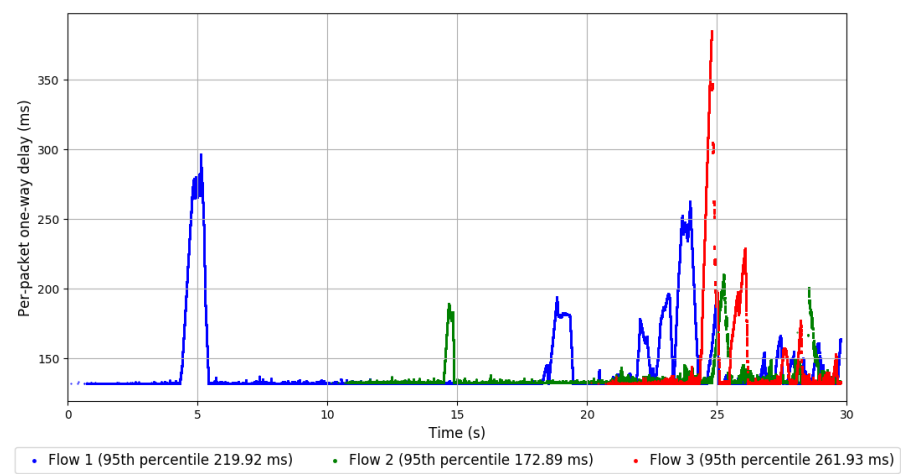
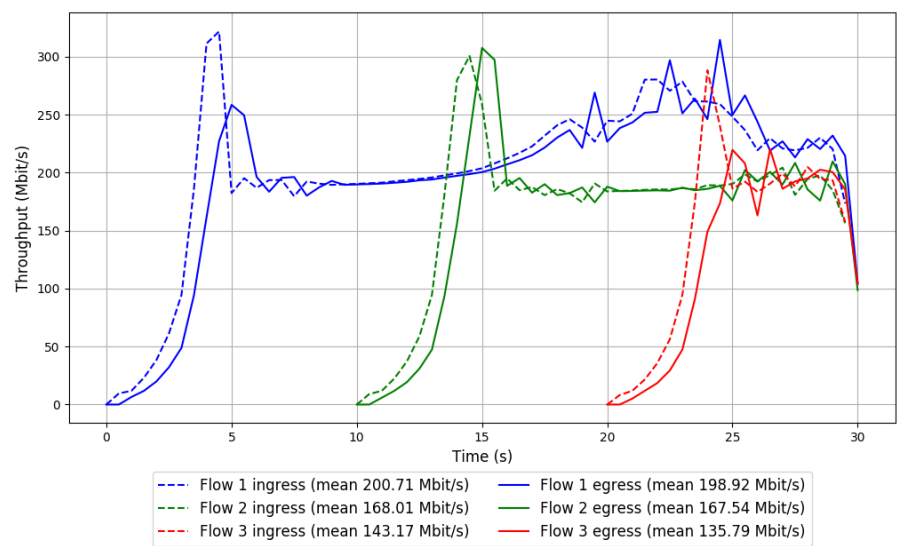


```
Run 1: Statistics of PCC-Expr

Start at: 2019-10-03 10:44:30
End at: 2019-10-03 10:45:00
Local clock offset: -0.446 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-10-03 16:53:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.73 Mbit/s
95th percentile per-packet one-way delay: 197.737 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 198.92 Mbit/s
95th percentile per-packet one-way delay: 219.920 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 167.54 Mbit/s
95th percentile per-packet one-way delay: 172.893 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 135.79 Mbit/s
95th percentile per-packet one-way delay: 261.934 ms
Loss rate: 7.73%
```

Run 1: Report of PCC-Expr — Data Link

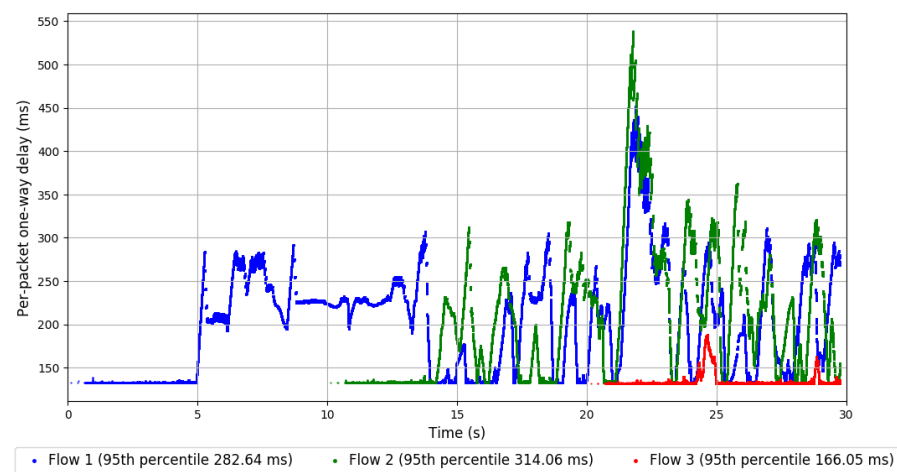
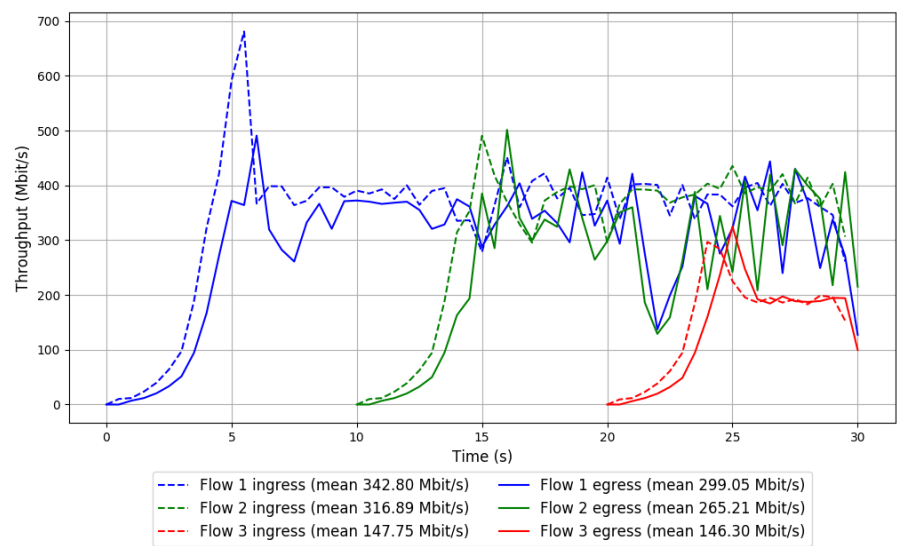


Run 2: Statistics of PCC-Expr

Start at: 2019-10-03 11:27:41
End at: 2019-10-03 11:28:11
Local clock offset: -0.068 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-10-03 16:56:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.07 Mbit/s
95th percentile per-packet one-way delay: 292.289 ms
Loss rate: 14.10%
-- Flow 1:
Average throughput: 299.05 Mbit/s
95th percentile per-packet one-way delay: 282.636 ms
Loss rate: 13.54%
-- Flow 2:
Average throughput: 265.21 Mbit/s
95th percentile per-packet one-way delay: 314.062 ms
Loss rate: 17.43%
-- Flow 3:
Average throughput: 146.30 Mbit/s
95th percentile per-packet one-way delay: 166.054 ms
Loss rate: 3.64%

Run 2: Report of PCC-Expr — Data Link

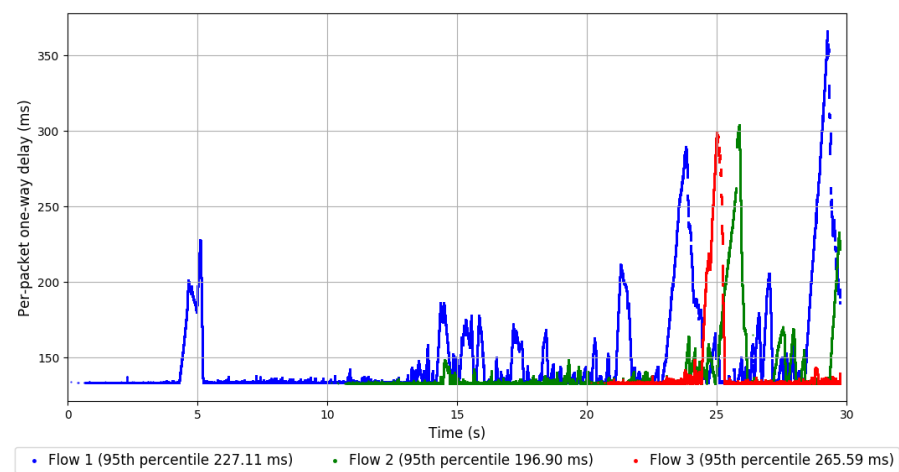
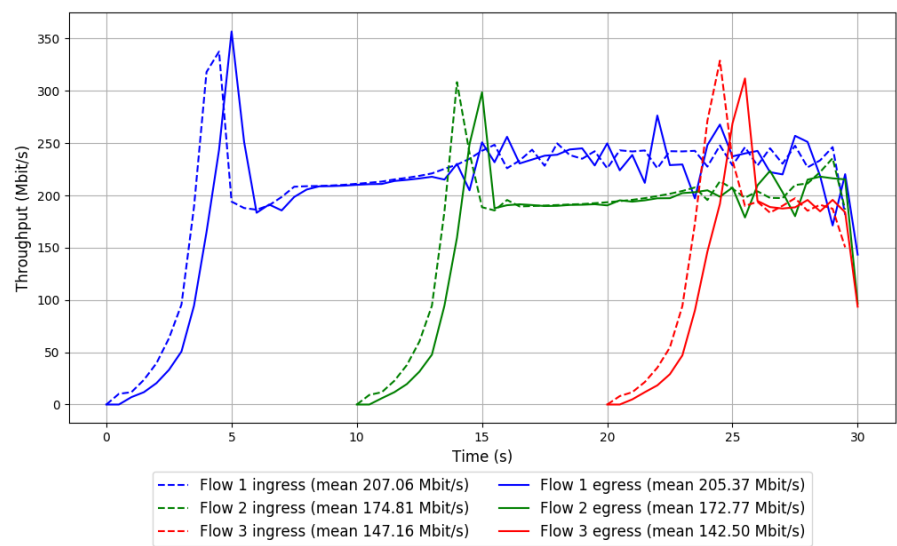


Run 3: Statistics of PCC-Expr

Start at: 2019-10-03 12:10:49
End at: 2019-10-03 12:11:19
Local clock offset: 0.377 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-10-03 16:56:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.89 Mbit/s
95th percentile per-packet one-way delay: 222.753 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 205.37 Mbit/s
95th percentile per-packet one-way delay: 227.112 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 172.77 Mbit/s
95th percentile per-packet one-way delay: 196.895 ms
Loss rate: 2.49%
-- Flow 3:
Average throughput: 142.50 Mbit/s
95th percentile per-packet one-way delay: 265.588 ms
Loss rate: 5.78%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-10-03 12:53:52

End at: 2019-10-03 12:54:22

Local clock offset: -0.376 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-10-03 16:59:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.14 Mbit/s

95th percentile per-packet one-way delay: 264.302 ms

Loss rate: 3.17%

-- Flow 1:

Average throughput: 220.53 Mbit/s

95th percentile per-packet one-way delay: 275.812 ms

Loss rate: 3.32%

-- Flow 2:

Average throughput: 170.36 Mbit/s

95th percentile per-packet one-way delay: 244.687 ms

Loss rate: 2.34%

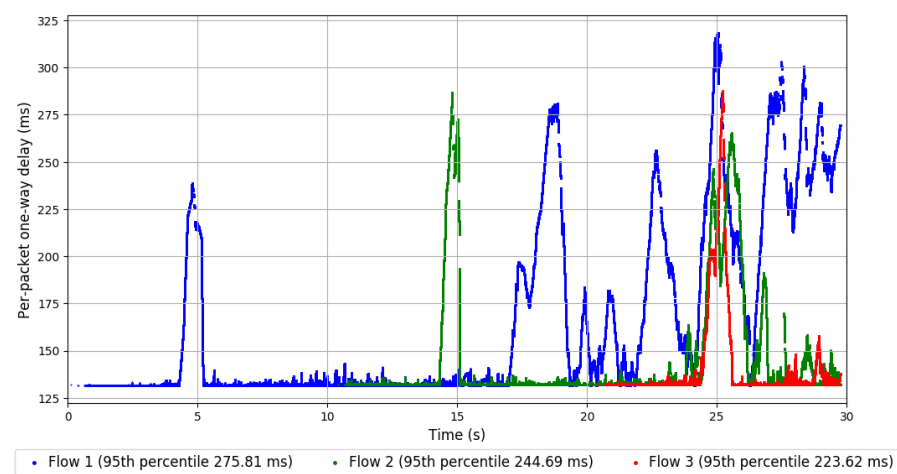
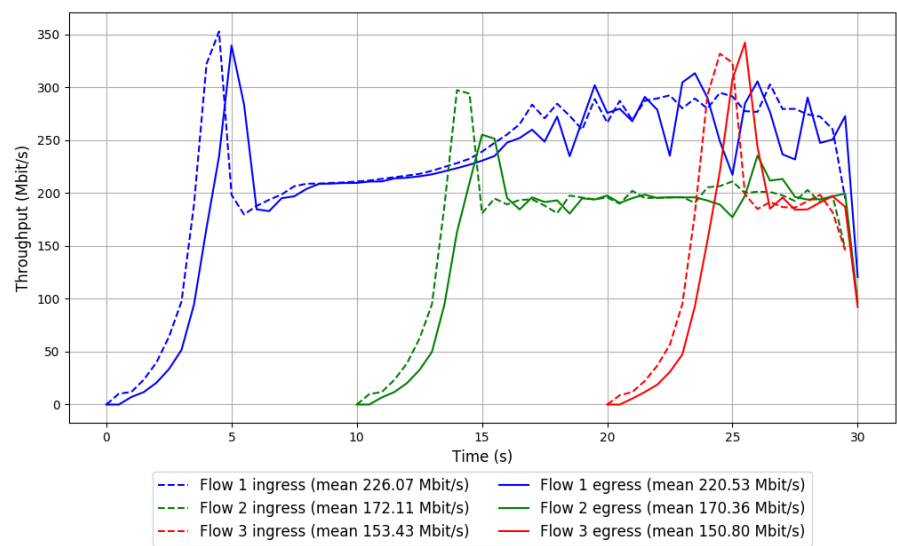
-- Flow 3:

Average throughput: 150.80 Mbit/s

95th percentile per-packet one-way delay: 223.618 ms

Loss rate: 4.36%

Run 4: Report of PCC-Expr — Data Link

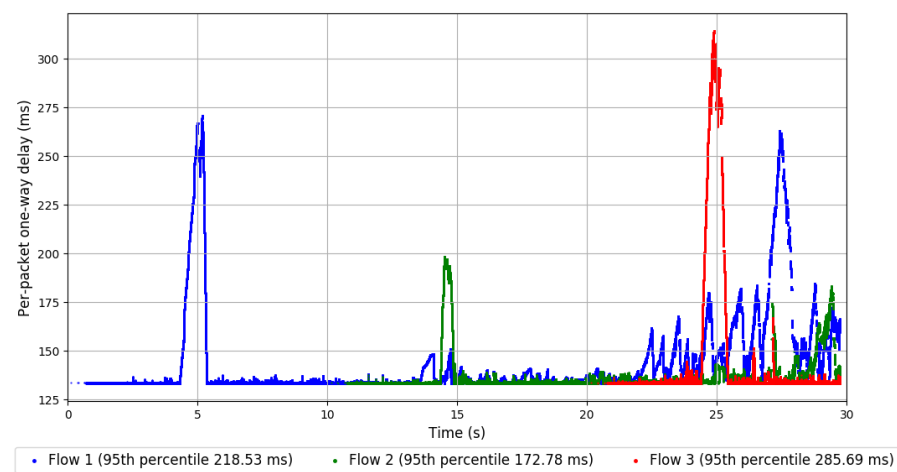
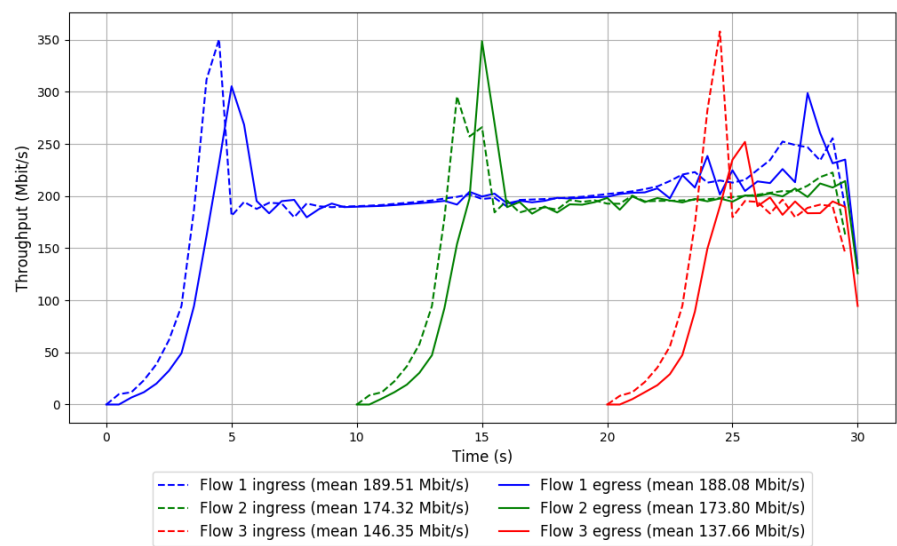


Run 5: Statistics of PCC-Expr

Start at: 2019-10-03 13:36:57
End at: 2019-10-03 13:37:27
Local clock offset: 0.119 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.73 Mbit/s
95th percentile per-packet one-way delay: 207.698 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 188.08 Mbit/s
95th percentile per-packet one-way delay: 218.535 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 173.80 Mbit/s
95th percentile per-packet one-way delay: 172.775 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 137.66 Mbit/s
95th percentile per-packet one-way delay: 285.688 ms
Loss rate: 8.52%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-10-03 11:21:11

End at: 2019-10-03 11:21:41

Local clock offset: -0.086 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2019-10-03 16:59:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.44 Mbit/s

95th percentile per-packet one-way delay: 132.619 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 46.95 Mbit/s

95th percentile per-packet one-way delay: 132.520 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 60.39 Mbit/s

95th percentile per-packet one-way delay: 132.649 ms

Loss rate: 0.00%

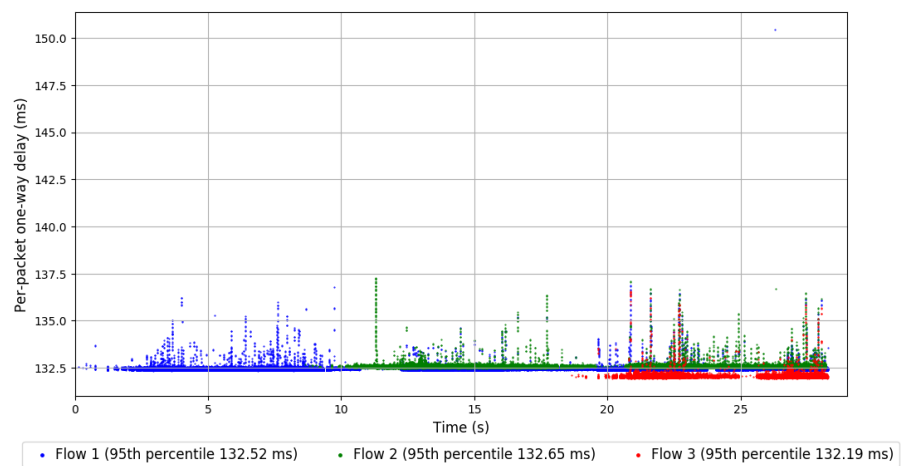
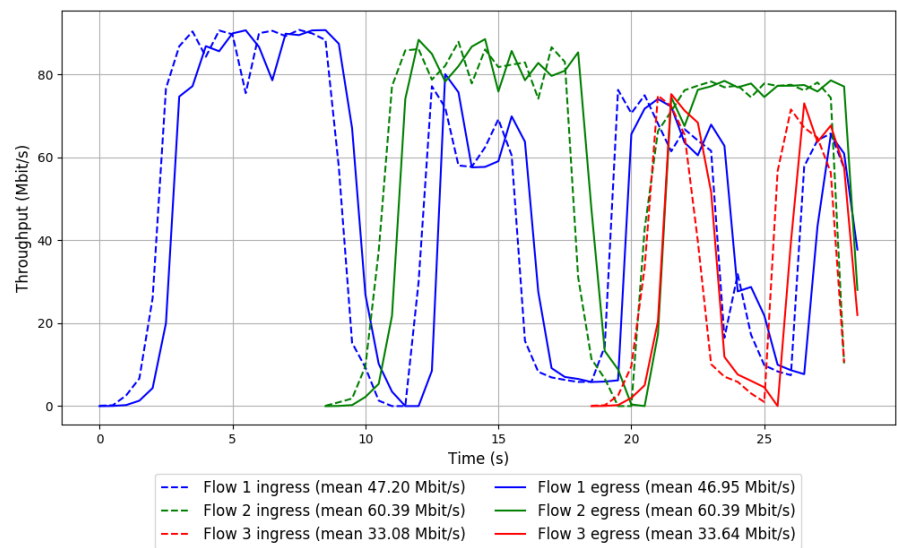
-- Flow 3:

Average throughput: 33.64 Mbit/s

95th percentile per-packet one-way delay: 132.188 ms

Loss rate: 0.69%

Run 1: Report of QUIC Cubic — Data Link

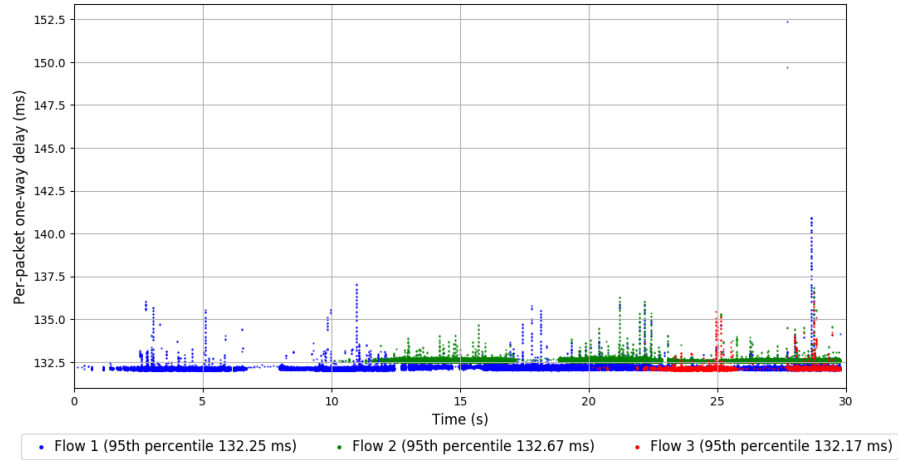
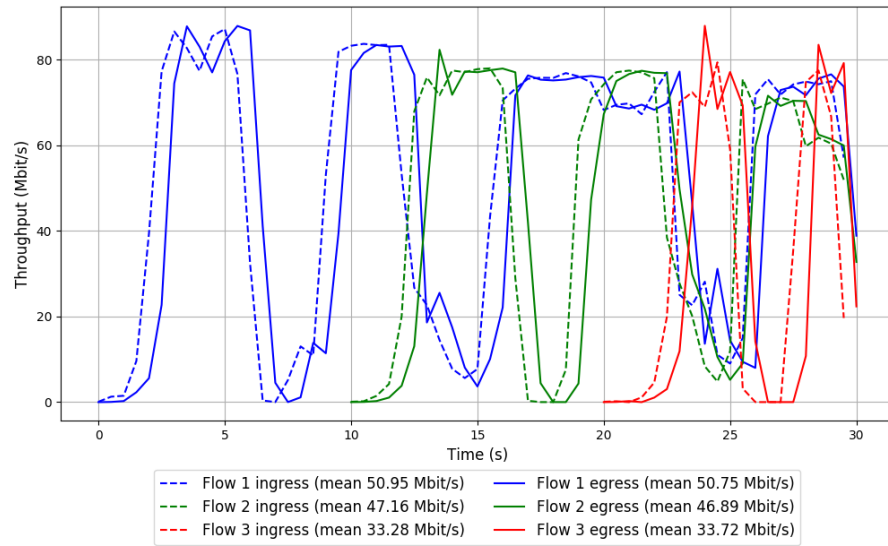


Run 2: Statistics of QUIC Cubic

Start at: 2019-10-03 12:04:21
End at: 2019-10-03 12:04:51
Local clock offset: -0.264 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 132.626 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 50.75 Mbit/s
95th percentile per-packet one-way delay: 132.245 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 132.670 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 132.167 ms
Loss rate: 0.94%

Run 2: Report of QUIC Cubic — Data Link

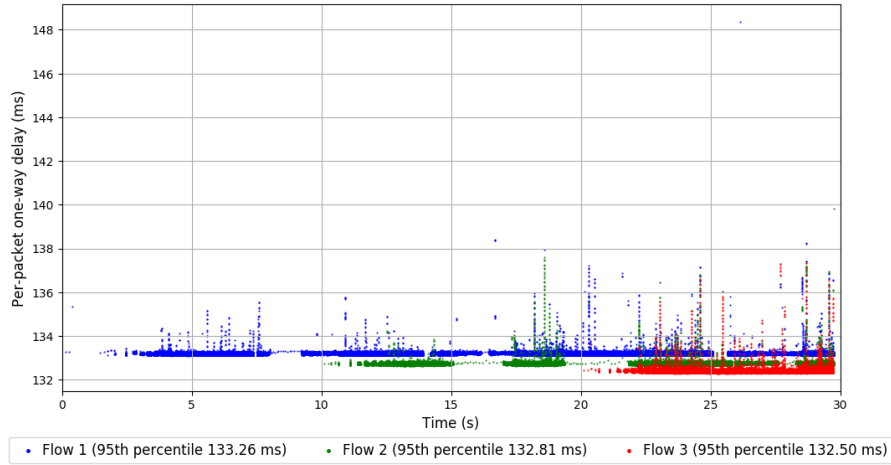
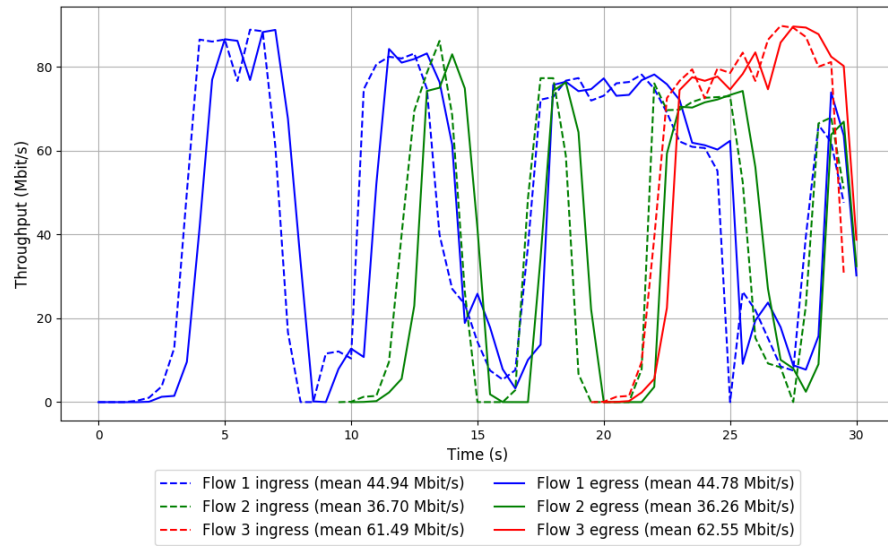


Run 3: Statistics of QUIC Cubic

Start at: 2019-10-03 12:47:41
End at: 2019-10-03 12:48:11
Local clock offset: 0.038 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 44.78 Mbit/s
95th percentile per-packet one-way delay: 133.261 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 36.26 Mbit/s
95th percentile per-packet one-way delay: 132.806 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 132.495 ms
Loss rate: 1.12%

Run 3: Report of QUIC Cubic — Data Link

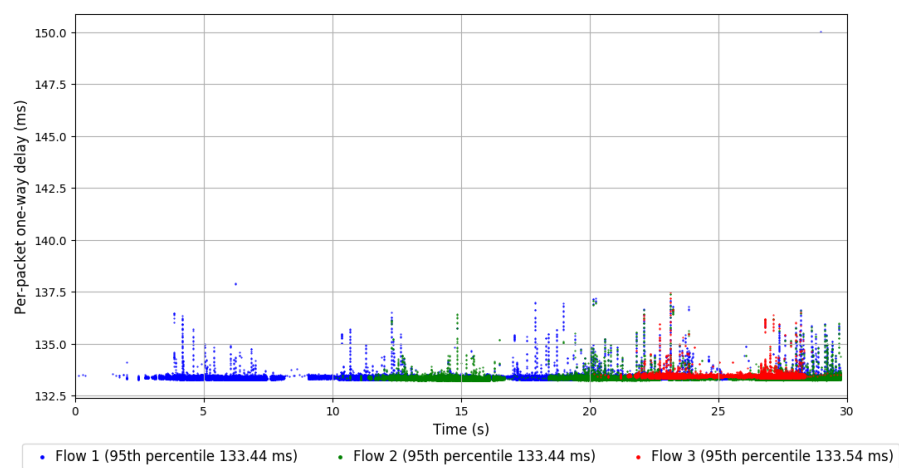
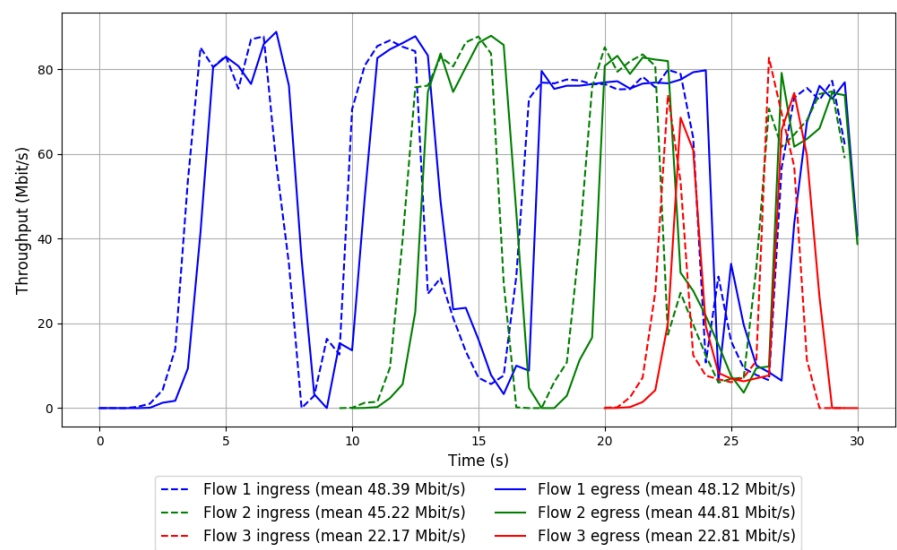


Run 4: Statistics of QUIC Cubic

Start at: 2019-10-03 13:30:30
End at: 2019-10-03 13:31:00
Local clock offset: 0.392 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.20 Mbit/s
95th percentile per-packet one-way delay: 133.466 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 48.12 Mbit/s
95th percentile per-packet one-way delay: 133.445 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 133.440 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 133.539 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-10-03 14:13:14

End at: 2019-10-03 14:13:44

Local clock offset: 0.191 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2019-10-03 16:59:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.92 Mbit/s

95th percentile per-packet one-way delay: 132.936 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 52.87 Mbit/s

95th percentile per-packet one-way delay: 131.966 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 51.30 Mbit/s

95th percentile per-packet one-way delay: 132.685 ms

Loss rate: 1.89%

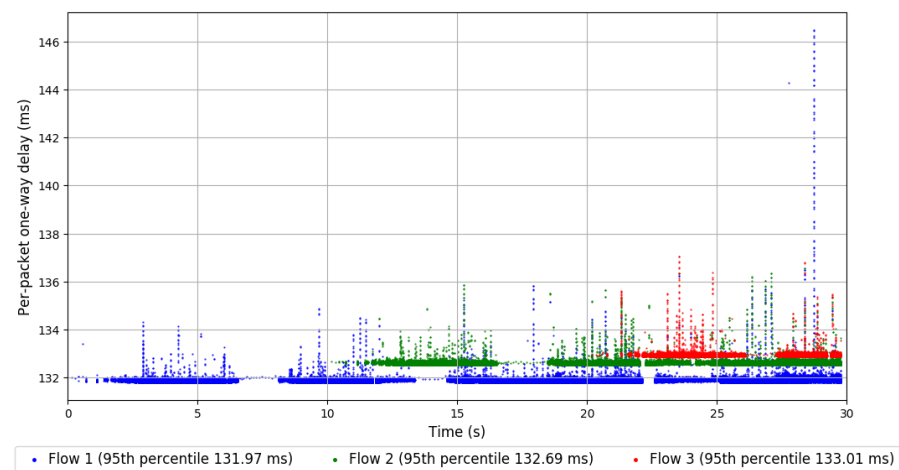
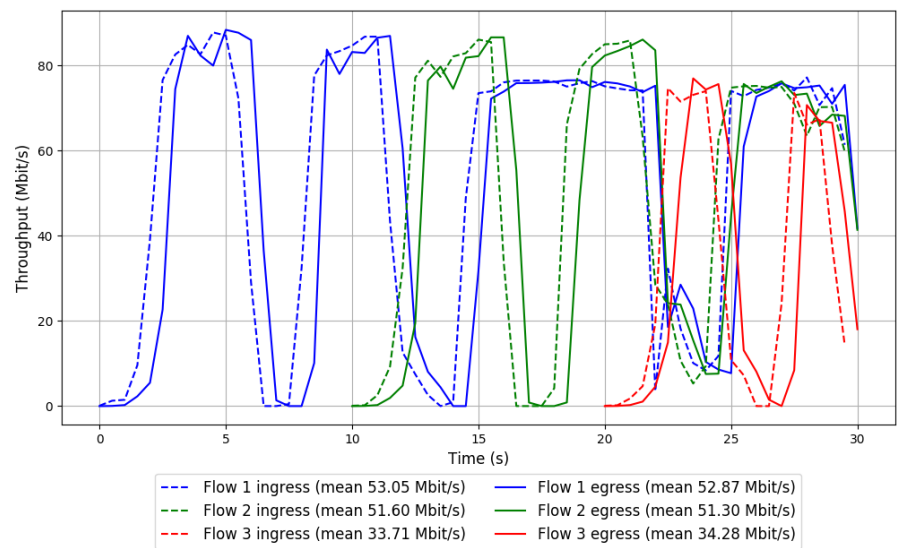
-- Flow 3:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 133.011 ms

Loss rate: 1.03%

Run 5: Report of QUIC Cubic — Data Link

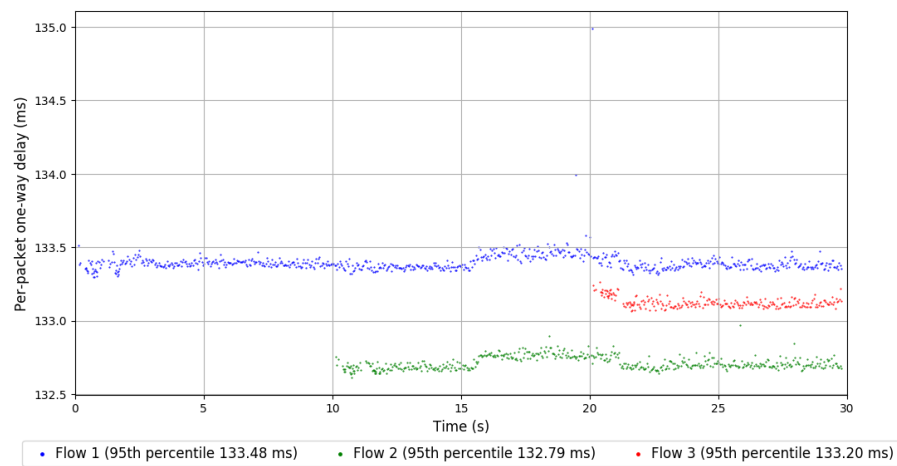
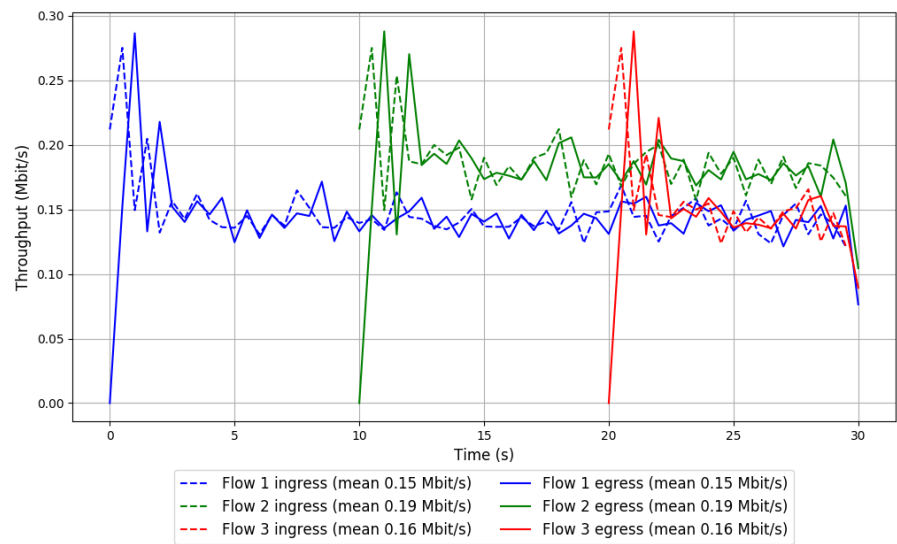


```
Run 1: Statistics of SCReAM

Start at: 2019-10-03 10:52:22
End at: 2019-10-03 10:52:52
Local clock offset: 0.169 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-10-03 16:59:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 133.449 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.478 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 132.789 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.201 ms
Loss rate: 2.45%
```

Run 1: Report of SReAM — Data Link

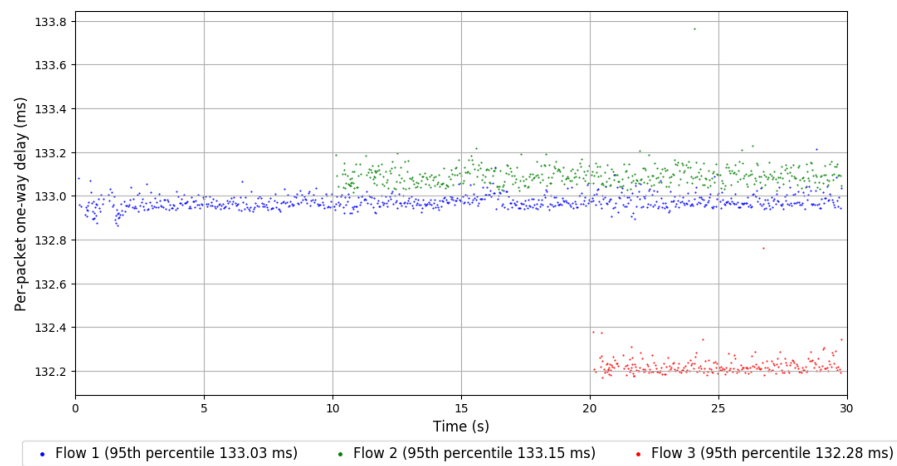
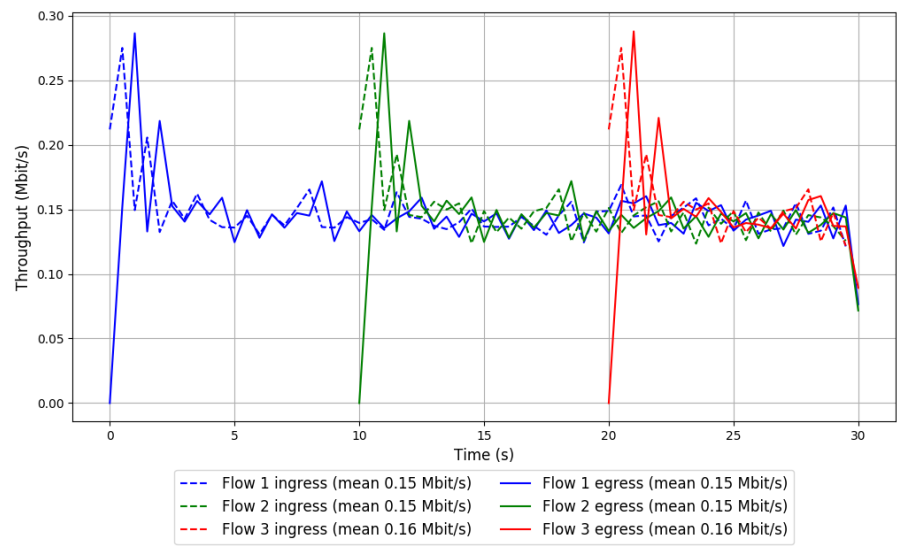


Run 2: Statistics of SCReAM

Start at: 2019-10-03 11:35:50
End at: 2019-10-03 11:36:20
Local clock offset: 0.079 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.135 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.027 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.154 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.284 ms
Loss rate: 2.45%

Run 2: Report of SReAM — Data Link

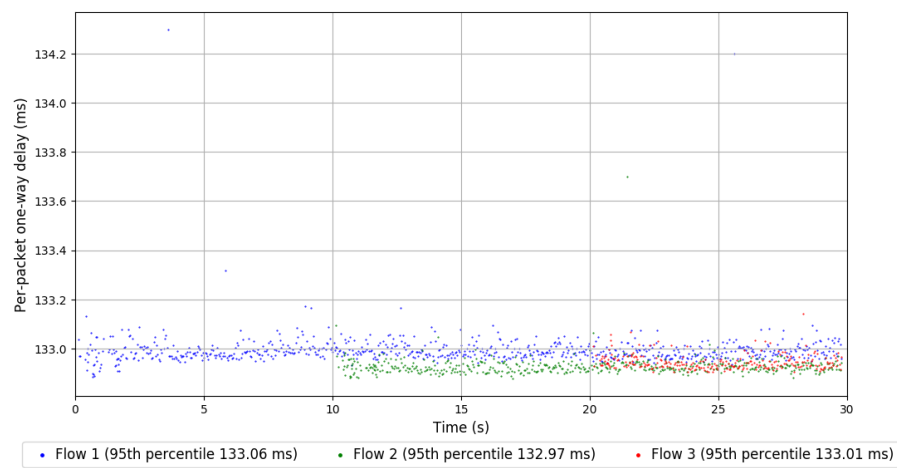
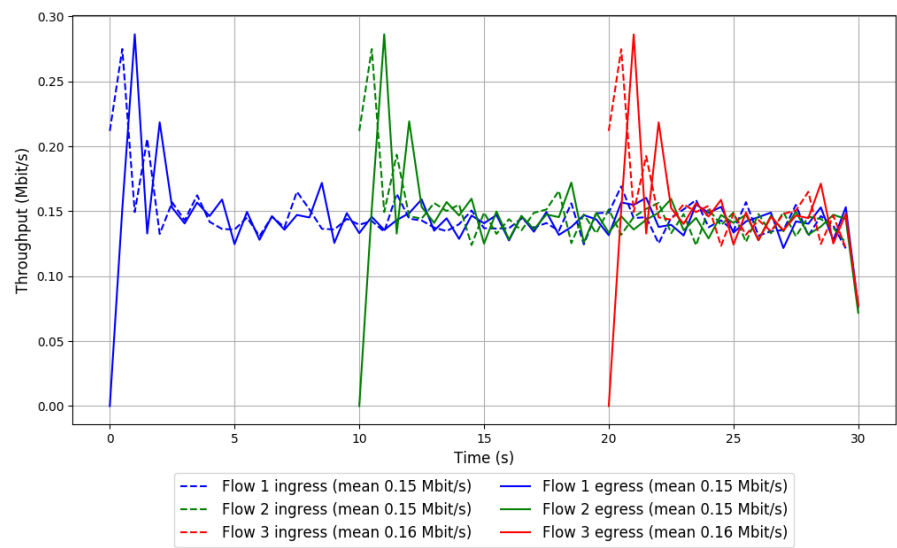


Run 3: Statistics of SCReAM

Start at: 2019-10-03 12:18:48
End at: 2019-10-03 12:19:18
Local clock offset: -0.017 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.039 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.055 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.968 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.013 ms
Loss rate: 2.44%

Run 3: Report of SReAM — Data Link

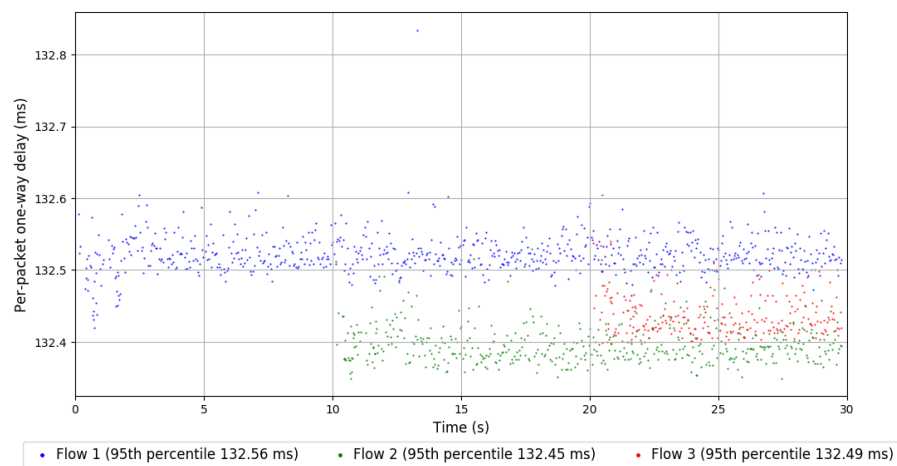
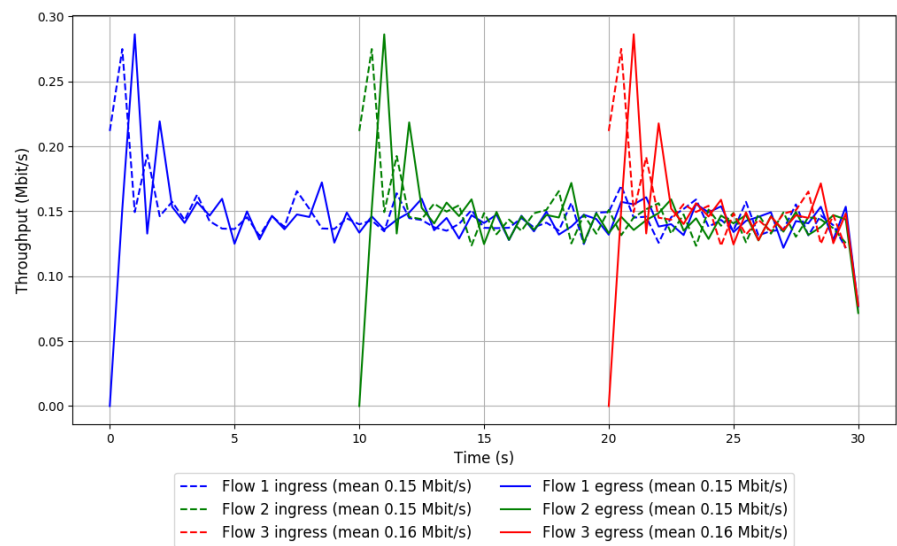


Run 4: Statistics of SCReAM

Start at: 2019-10-03 13:01:48
End at: 2019-10-03 13:02:18
Local clock offset: 0.057 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 132.552 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.563 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.447 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.488 ms
Loss rate: 2.45%

Run 4: Report of SReAM — Data Link

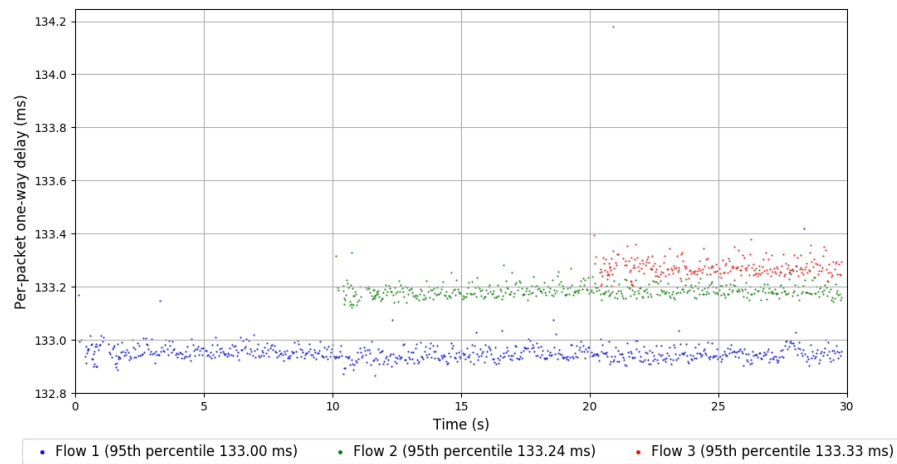
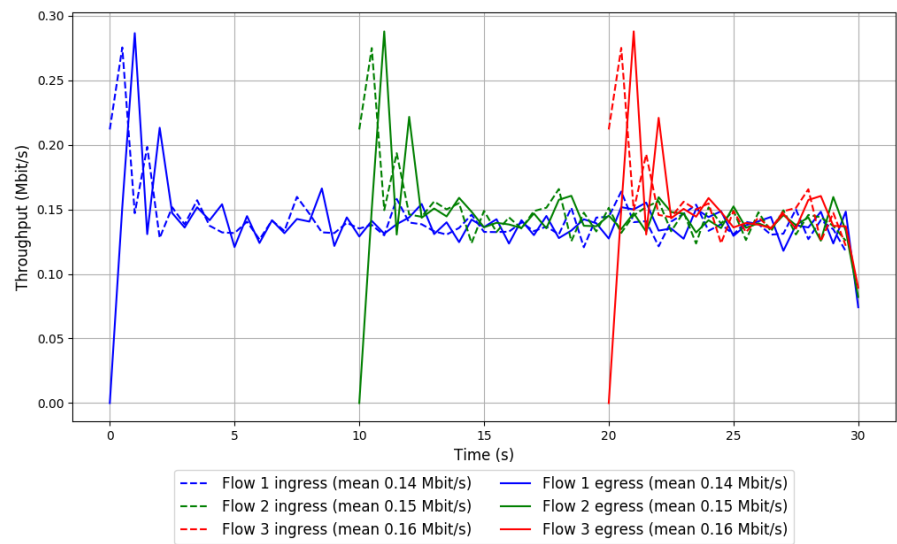


Run 5: Statistics of SCReAM

Start at: 2019-10-03 13:44:28
End at: 2019-10-03 13:44:58
Local clock offset: 0.035 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 133.287 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 132.995 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.236 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.329 ms
Loss rate: 2.45%

Run 5: Report of SReAM — Data Link

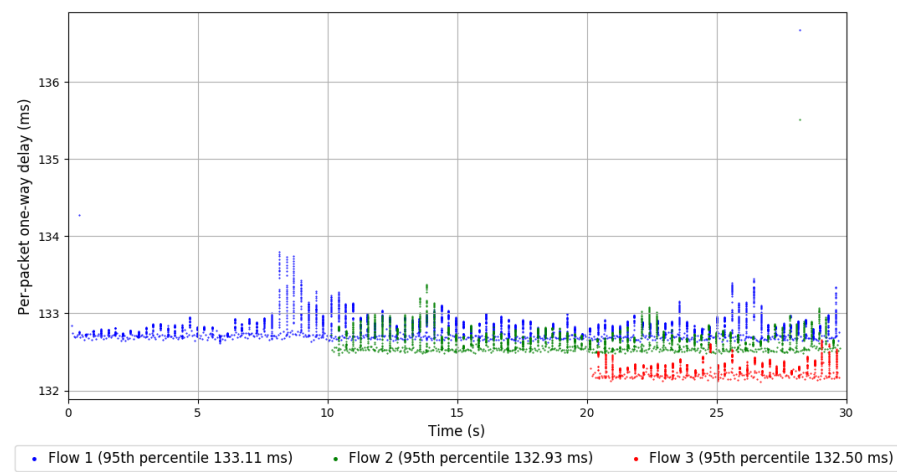
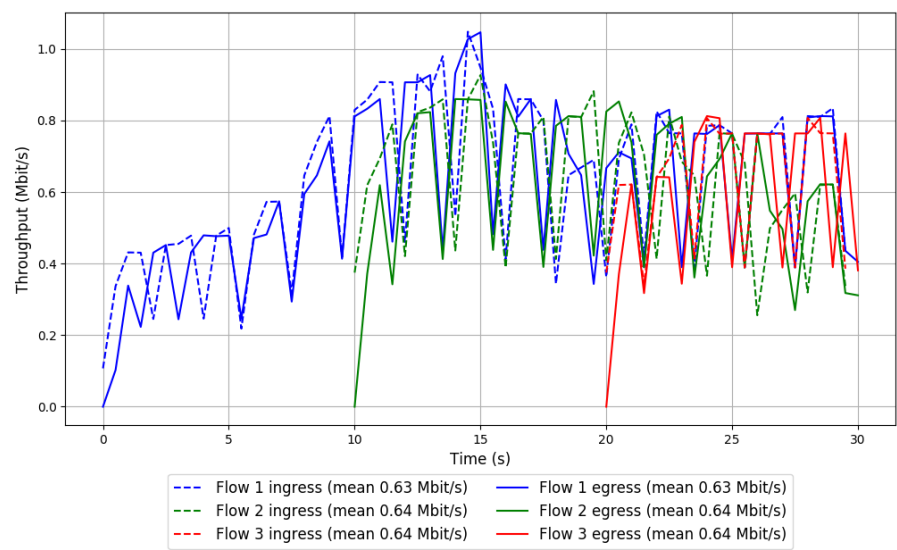


Run 1: Statistics of Sprout

Start at: 2019-10-03 11:19:52
End at: 2019-10-03 11:20:23
Local clock offset: -0.289 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 133.023 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 133.108 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 132.933 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 132.497 ms
Loss rate: 3.03%

Run 1: Report of Sprout — Data Link

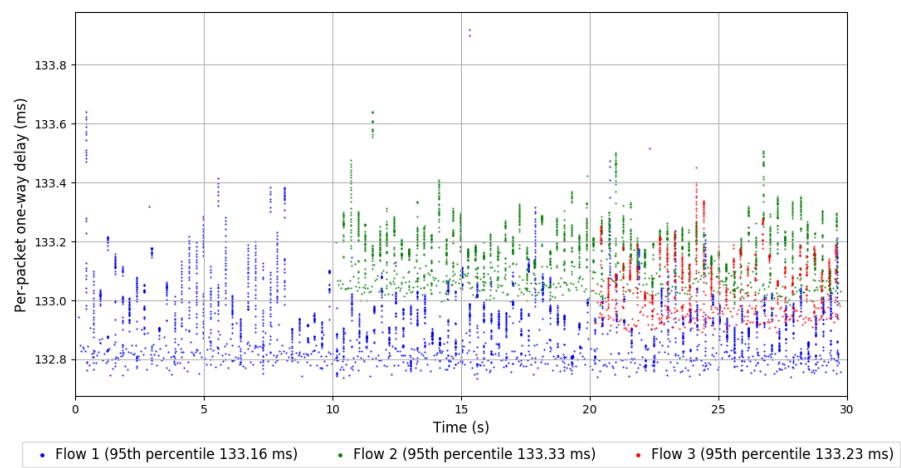
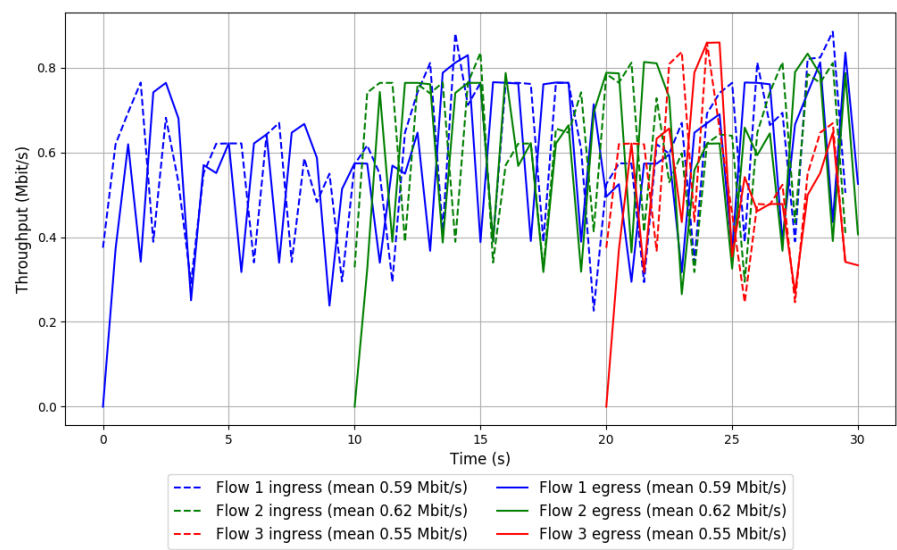


Run 2: Statistics of Sprout

Start at: 2019-10-03 12:03:02
End at: 2019-10-03 12:03:32
Local clock offset: -0.002 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-10-03 16:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 133.281 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 133.162 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 133.327 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 133.232 ms
Loss rate: 3.09%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-10-03 12:46:22

End at: 2019-10-03 12:46:52

Local clock offset: 0.238 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2019-10-03 16:59:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 133.461 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 132.648 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 133.514 ms

Loss rate: 1.19%

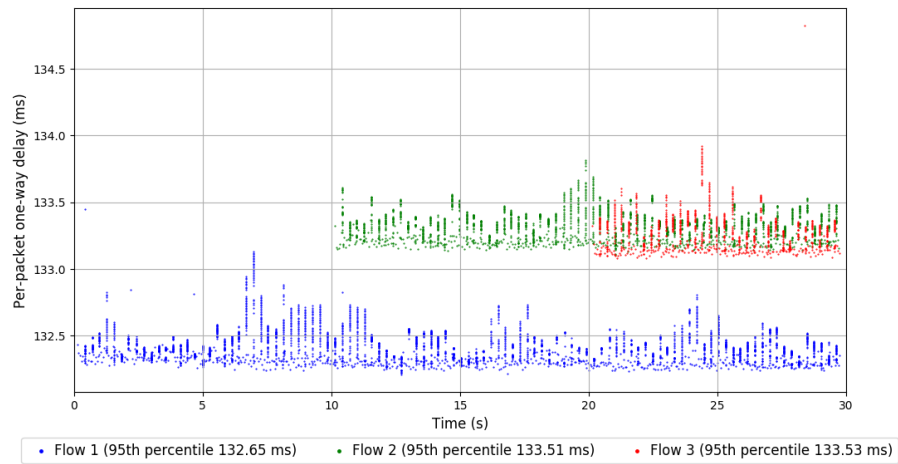
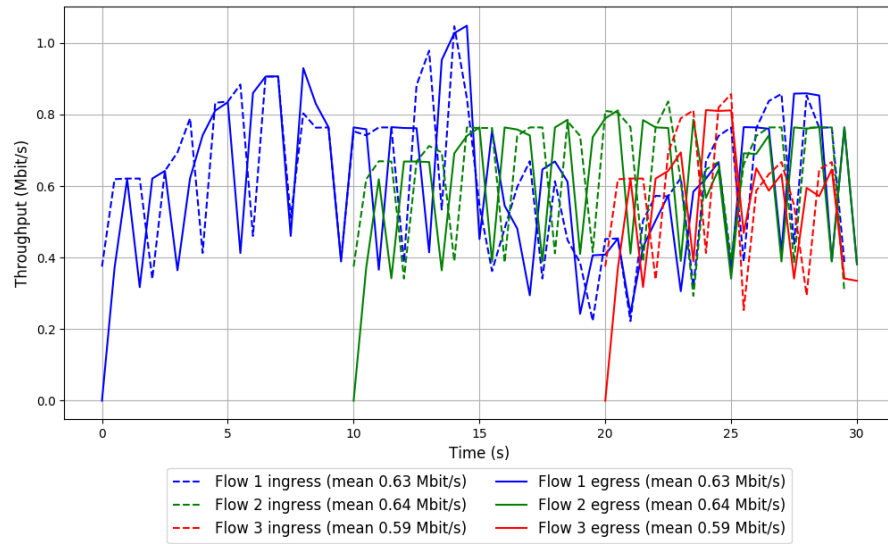
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 133.533 ms

Loss rate: 2.89%

Run 3: Report of Sprout — Data Link

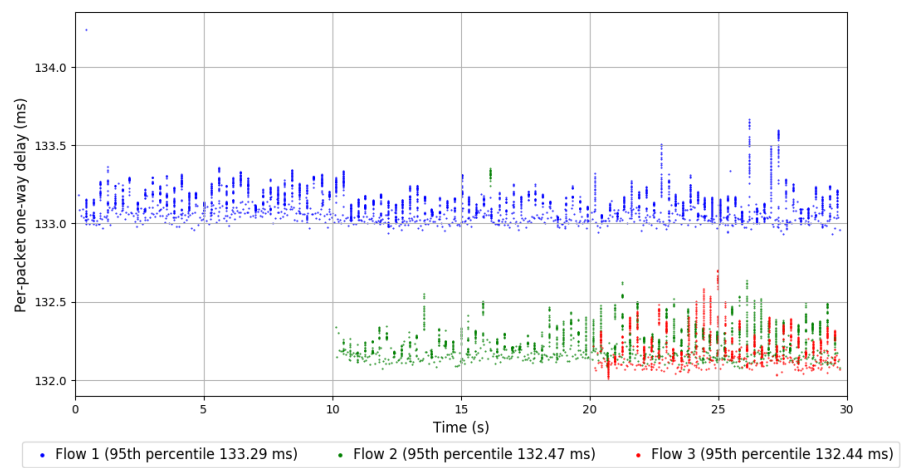
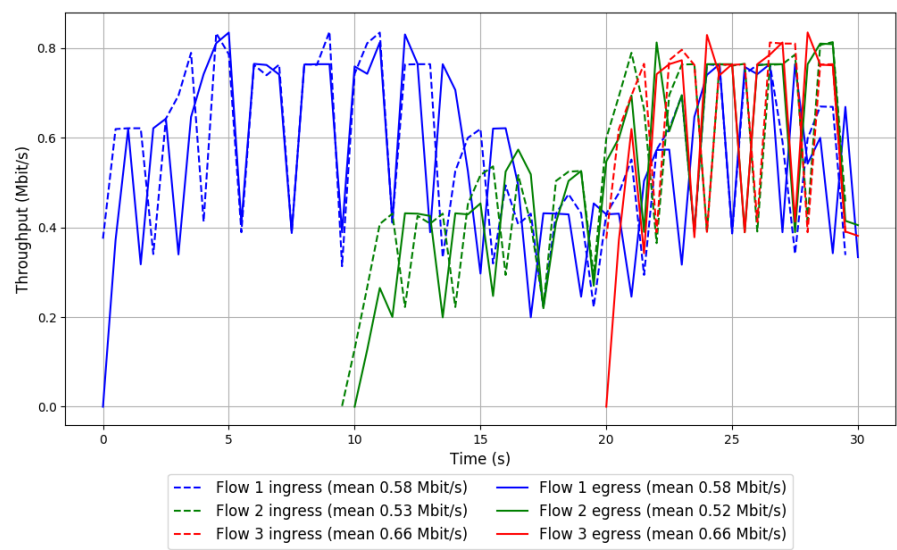


Run 4: Statistics of Sprout

Start at: 2019-10-03 13:29:11
End at: 2019-10-03 13:29:41
Local clock offset: -0.009 ms
Remote clock offset: -0.048 ms

```
# Below is generated by plot.py at 2019-10-03 16:59:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 133.268 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 133.294 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 132.470 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 132.438 ms
Loss rate: 2.94%
```

Run 4: Report of Sprout — Data Link

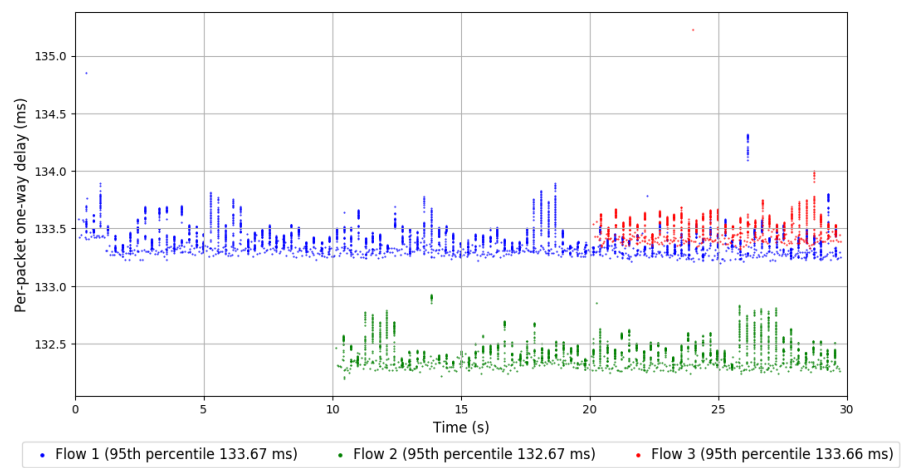
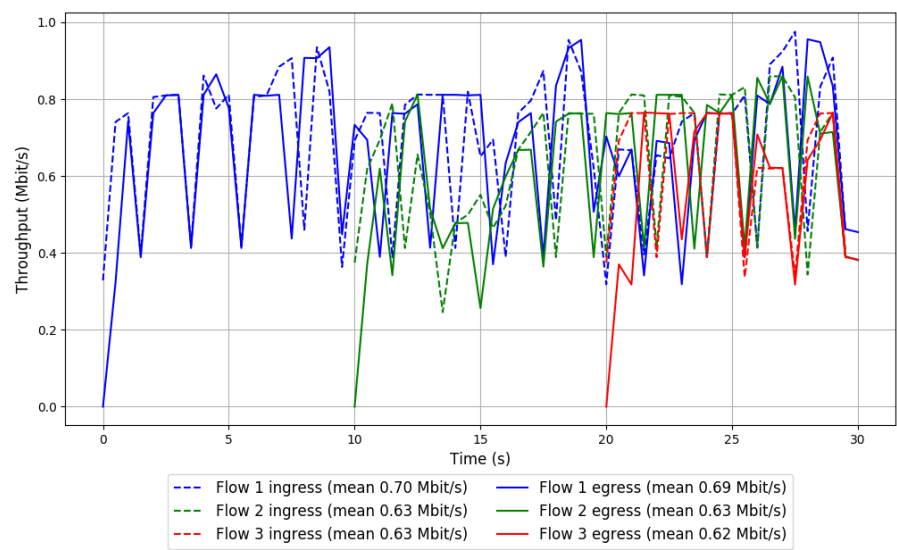


Run 5: Statistics of Sprout

Start at: 2019-10-03 14:11:55
End at: 2019-10-03 14:12:25
Local clock offset: 0.192 ms
Remote clock offset: -0.077 ms

```
# Below is generated by plot.py at 2019-10-03 16:59:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 133.637 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 133.669 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 132.671 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 133.664 ms
Loss rate: 3.27%
```

Run 5: Report of Sprout — Data Link

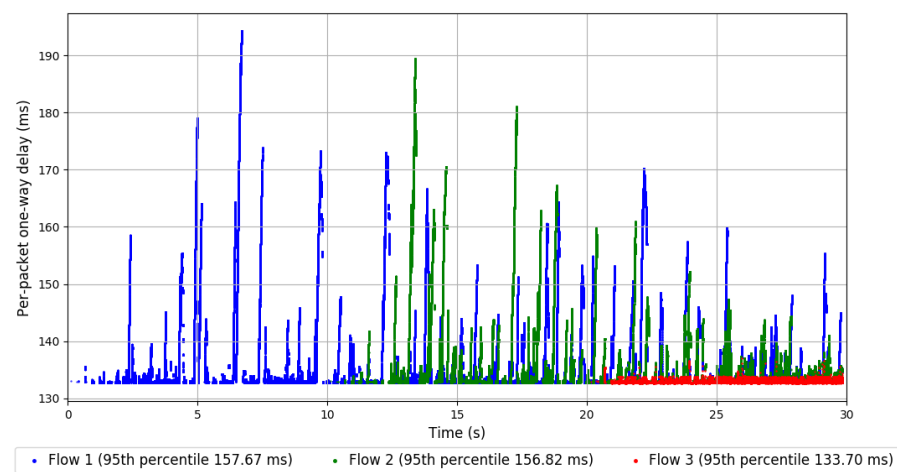
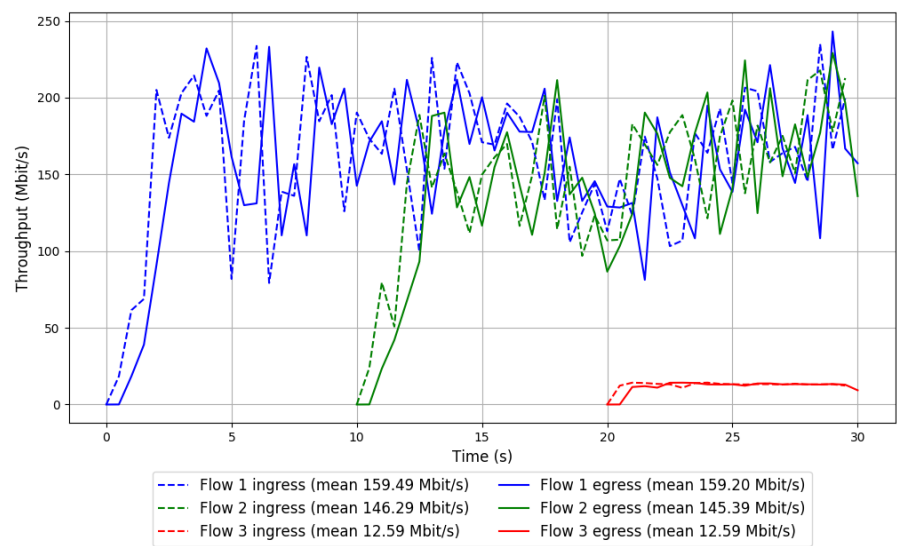


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-10-03 11:24:31
End at: 2019-10-03 11:25:01
Local clock offset: -0.071 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-10-03 17:02:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 259.75 Mbit/s
95th percentile per-packet one-way delay: 157.136 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 159.20 Mbit/s
95th percentile per-packet one-way delay: 157.666 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 145.39 Mbit/s
95th percentile per-packet one-way delay: 156.825 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 133.700 ms
Loss rate: 2.67%
```

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

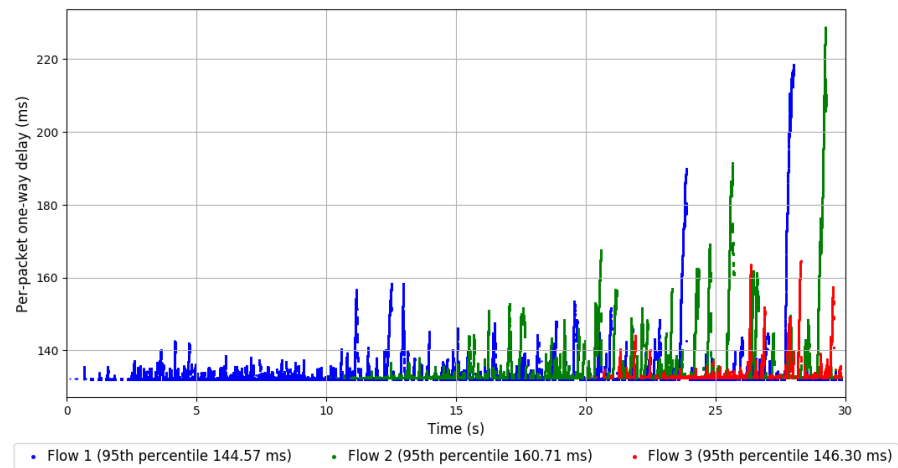
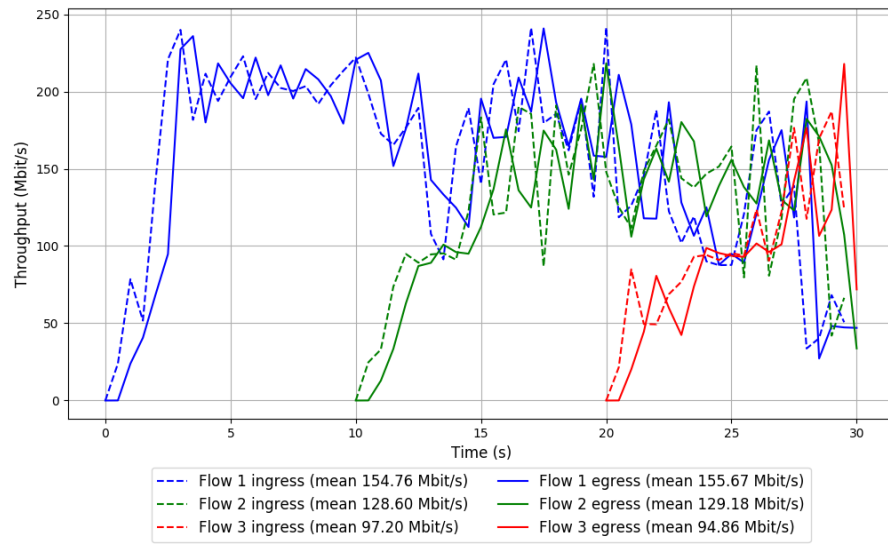


Run 2: Statistics of TaoVA-100x

Start at: 2019-10-03 12:07:38
End at: 2019-10-03 12:08:08
Local clock offset: -0.245 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-10-03 17:03:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.28 Mbit/s
95th percentile per-packet one-way delay: 151.583 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 155.67 Mbit/s
95th percentile per-packet one-way delay: 144.570 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 129.18 Mbit/s
95th percentile per-packet one-way delay: 160.706 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 146.298 ms
Loss rate: 4.65%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-10-03 12:50:59

End at: 2019-10-03 12:51:29

Local clock offset: 0.289 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2019-10-03 17:03:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.61 Mbit/s

95th percentile per-packet one-way delay: 143.470 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 133.147 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 156.20 Mbit/s

95th percentile per-packet one-way delay: 144.605 ms

Loss rate: 1.77%

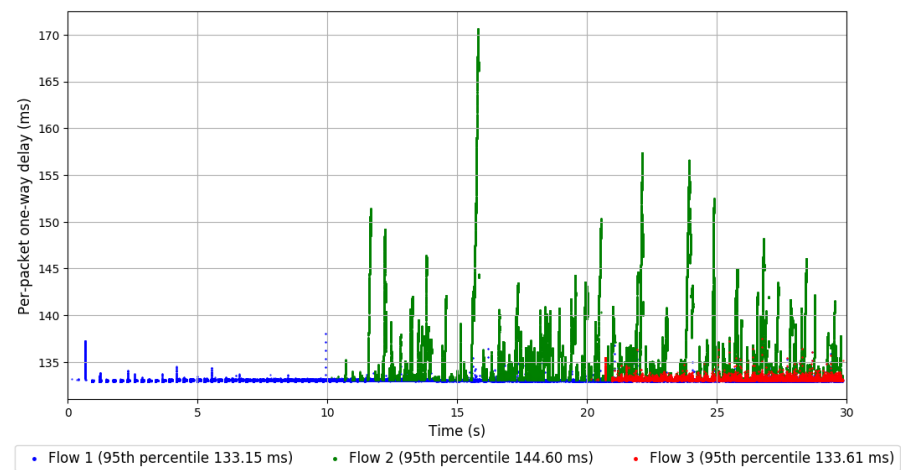
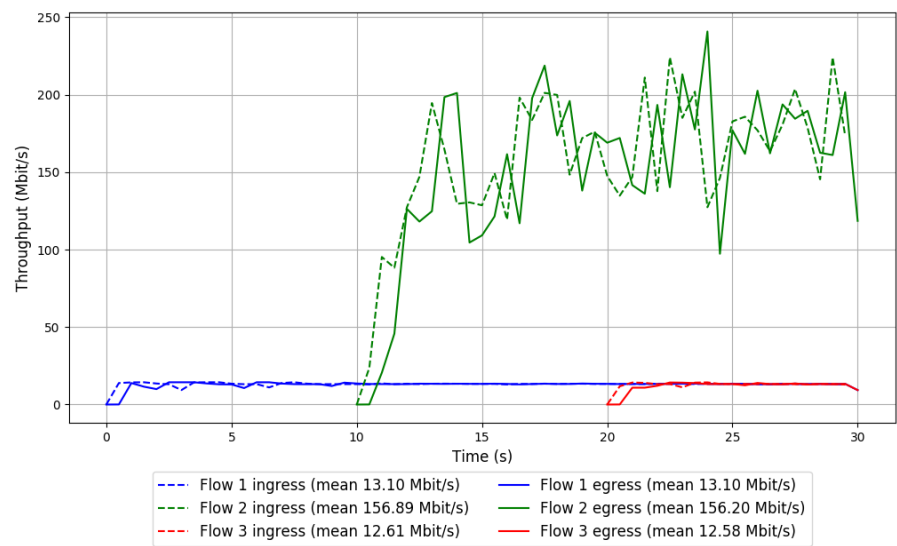
-- Flow 3:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 133.611 ms

Loss rate: 2.85%

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

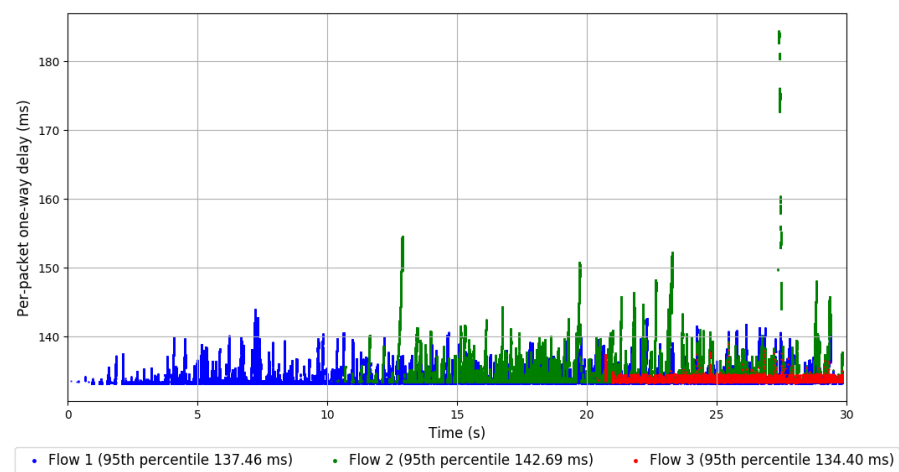
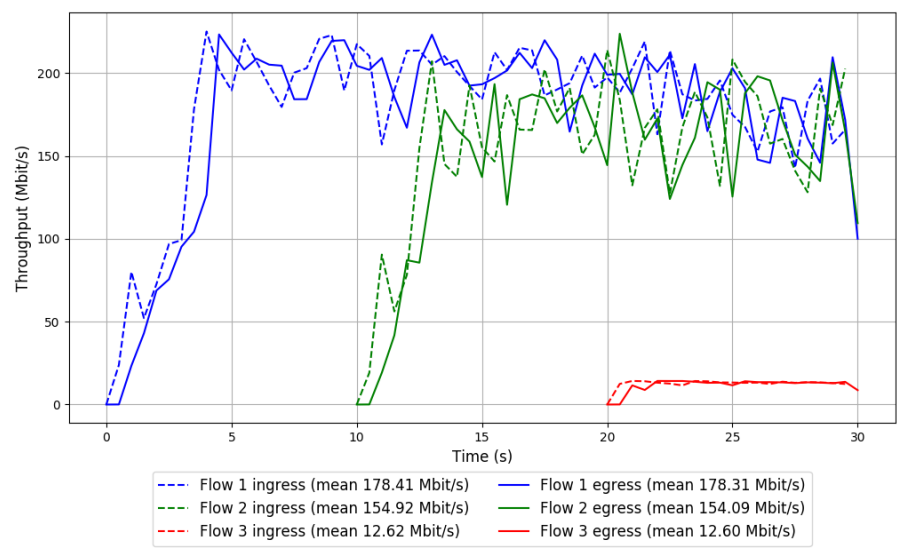


Run 4: Statistics of TaoVA-100x

Start at: 2019-10-03 13:33:45
End at: 2019-10-03 13:34:15
Local clock offset: 0.159 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2019-10-03 17:04:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.57 Mbit/s
95th percentile per-packet one-way delay: 139.070 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 178.31 Mbit/s
95th percentile per-packet one-way delay: 137.463 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 154.09 Mbit/s
95th percentile per-packet one-way delay: 142.689 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 134.398 ms
Loss rate: 2.81%

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

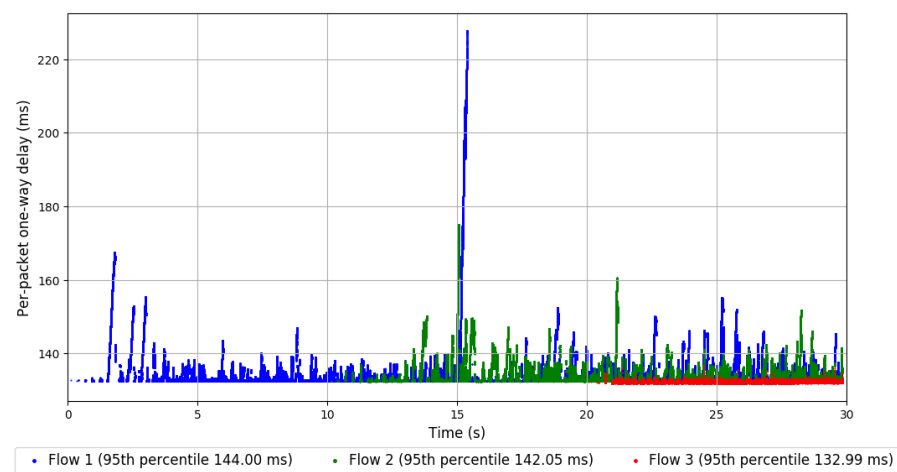
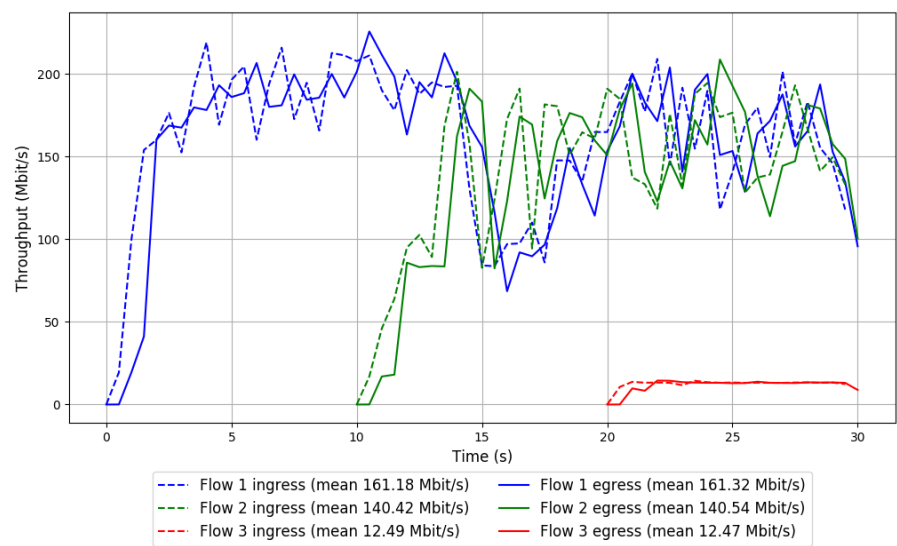


Run 5: Statistics of TaoVA-100x

Start at: 2019-10-03 14:16:29
End at: 2019-10-03 14:16:59
Local clock offset: -0.499 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-10-03 17:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.37 Mbit/s
95th percentile per-packet one-way delay: 142.976 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 161.32 Mbit/s
95th percentile per-packet one-way delay: 143.999 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 140.54 Mbit/s
95th percentile per-packet one-way delay: 142.053 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 132.994 ms
Loss rate: 2.84%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-10-03 11:16:29

End at: 2019-10-03 11:16:59

Local clock offset: -0.205 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-10-03 17:09:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 546.87 Mbit/s

95th percentile per-packet one-way delay: 191.991 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 283.12 Mbit/s

95th percentile per-packet one-way delay: 149.276 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 278.58 Mbit/s

95th percentile per-packet one-way delay: 224.685 ms

Loss rate: 2.03%

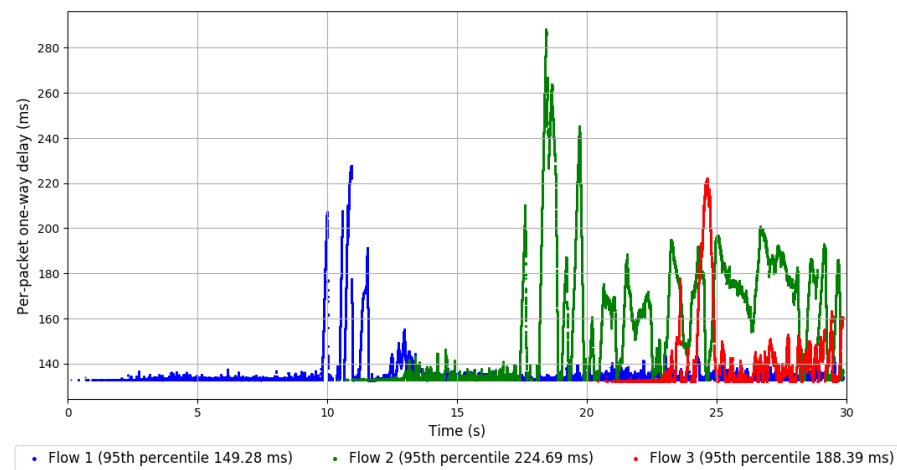
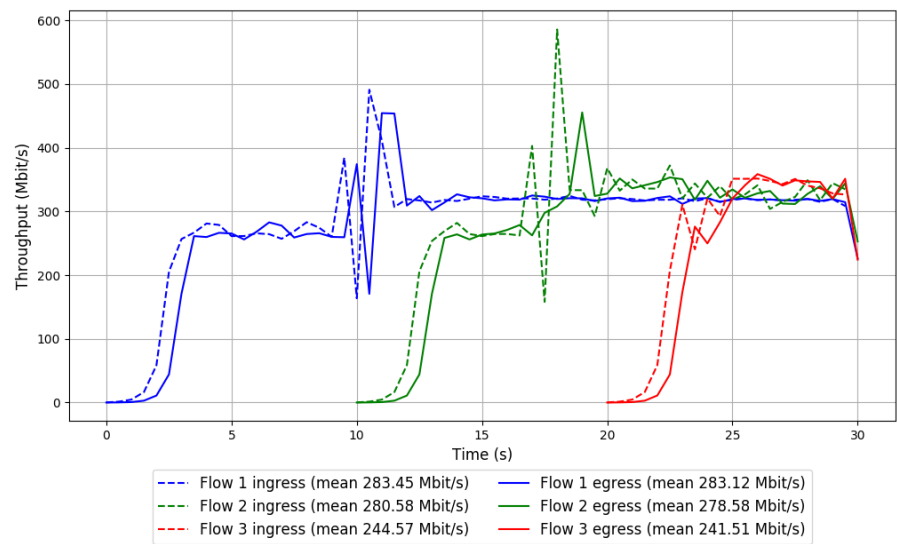
-- Flow 3:

Average throughput: 241.51 Mbit/s

95th percentile per-packet one-way delay: 188.393 ms

Loss rate: 3.88%

Run 1: Report of TCP Vegas — Data Link

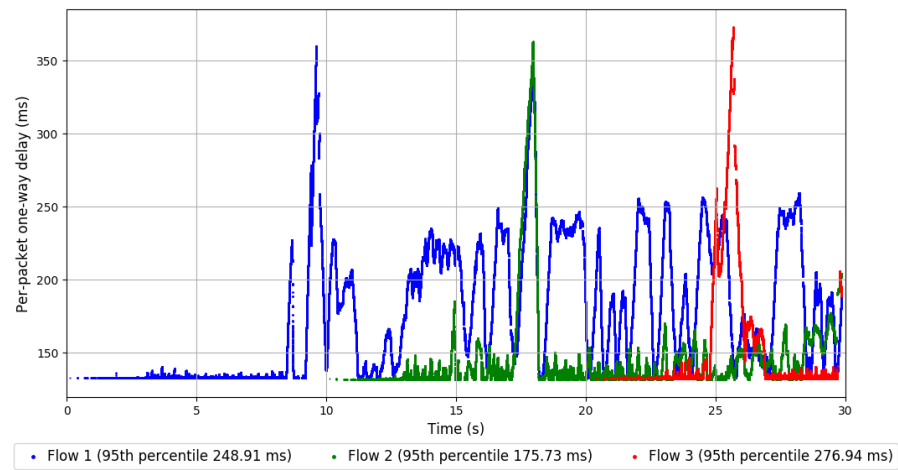
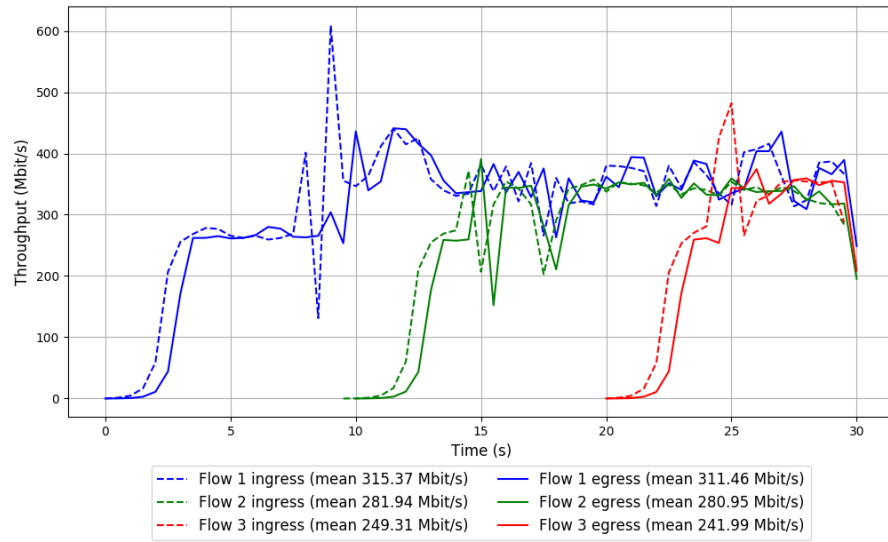


Run 2: Statistics of TCP Vegas

Start at: 2019-10-03 11:59:38
End at: 2019-10-03 12:00:08
Local clock offset: -0.003 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-10-03 17:10:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 576.97 Mbit/s
95th percentile per-packet one-way delay: 246.981 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 311.46 Mbit/s
95th percentile per-packet one-way delay: 248.914 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 280.95 Mbit/s
95th percentile per-packet one-way delay: 175.726 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 241.99 Mbit/s
95th percentile per-packet one-way delay: 276.944 ms
Loss rate: 5.56%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-10-03 12:42:58

End at: 2019-10-03 12:43:28

Local clock offset: -0.111 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-10-03 17:13:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 571.45 Mbit/s

95th percentile per-packet one-way delay: 202.948 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 319.41 Mbit/s

95th percentile per-packet one-way delay: 182.679 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 268.40 Mbit/s

95th percentile per-packet one-way delay: 220.542 ms

Loss rate: 1.78%

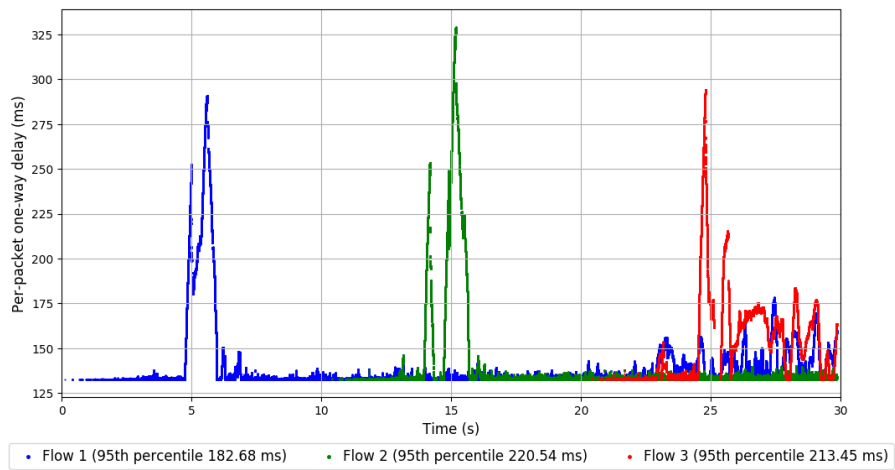
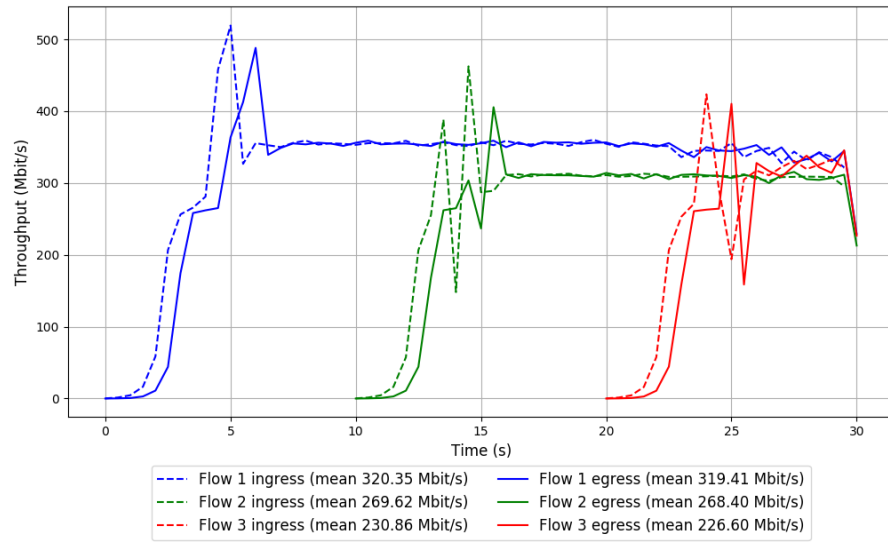
-- Flow 3:

Average throughput: 226.60 Mbit/s

95th percentile per-packet one-way delay: 213.454 ms

Loss rate: 4.45%

Run 3: Report of TCP Vegas — Data Link

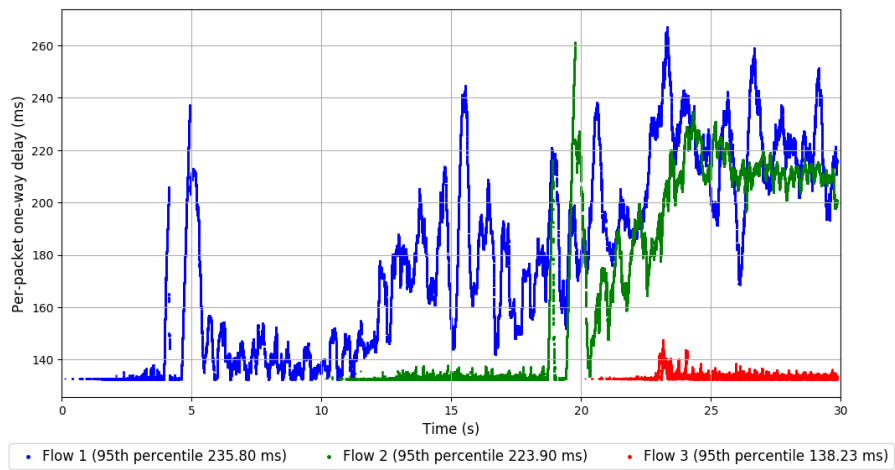
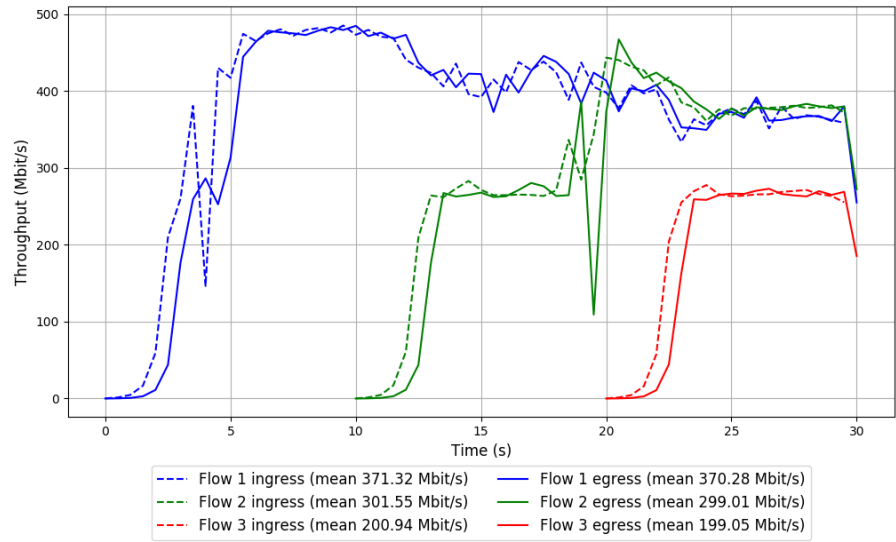


Run 4: Statistics of TCP Vegas

Start at: 2019-10-03 13:25:34
End at: 2019-10-03 13:26:04
Local clock offset: 0.279 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-10-03 17:15:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 633.65 Mbit/s
95th percentile per-packet one-way delay: 230.504 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 370.28 Mbit/s
95th percentile per-packet one-way delay: 235.798 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 299.01 Mbit/s
95th percentile per-packet one-way delay: 223.896 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 199.05 Mbit/s
95th percentile per-packet one-way delay: 138.226 ms
Loss rate: 3.56%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-10-03 14:08:26

End at: 2019-10-03 14:08:56

Local clock offset: -0.088 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-10-03 17:16:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 624.52 Mbit/s

95th percentile per-packet one-way delay: 242.737 ms

Loss rate: 2.10%

-- Flow 1:

Average throughput: 322.68 Mbit/s

95th percentile per-packet one-way delay: 195.547 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 337.11 Mbit/s

95th percentile per-packet one-way delay: 247.311 ms

Loss rate: 1.92%

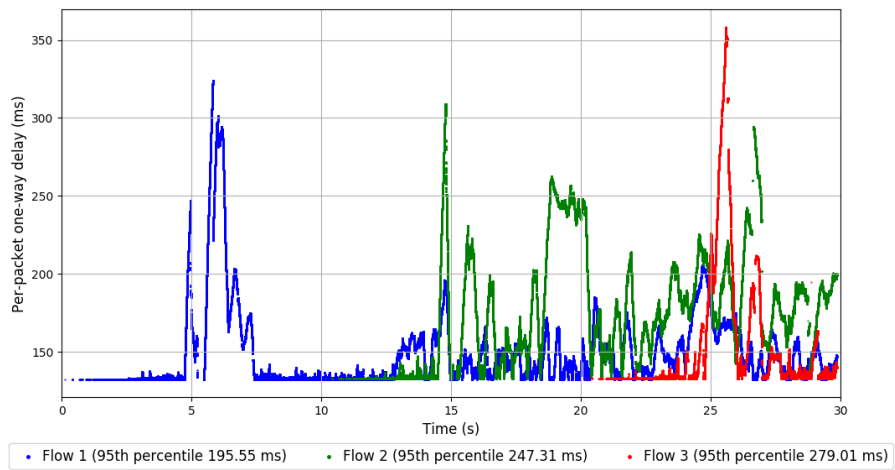
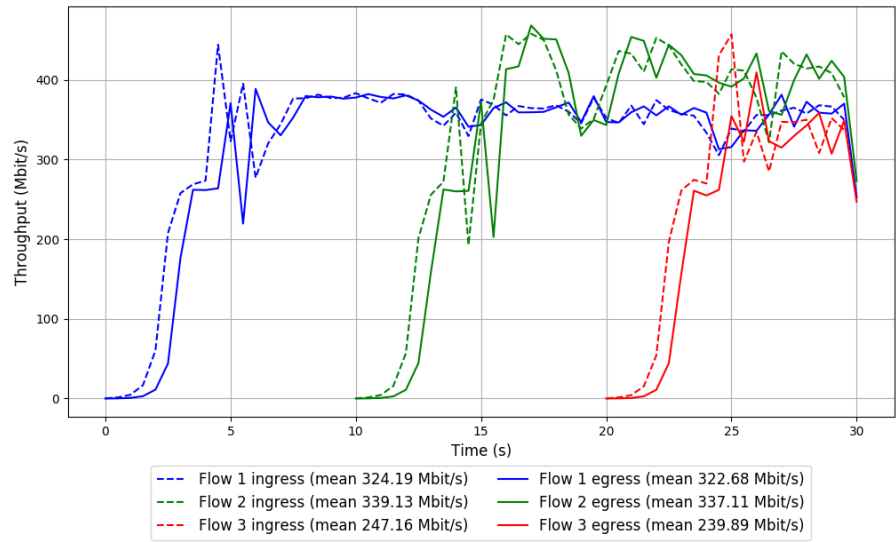
-- Flow 3:

Average throughput: 239.89 Mbit/s

95th percentile per-packet one-way delay: 279.015 ms

Loss rate: 5.53%

Run 5: Report of TCP Vegas — Data Link

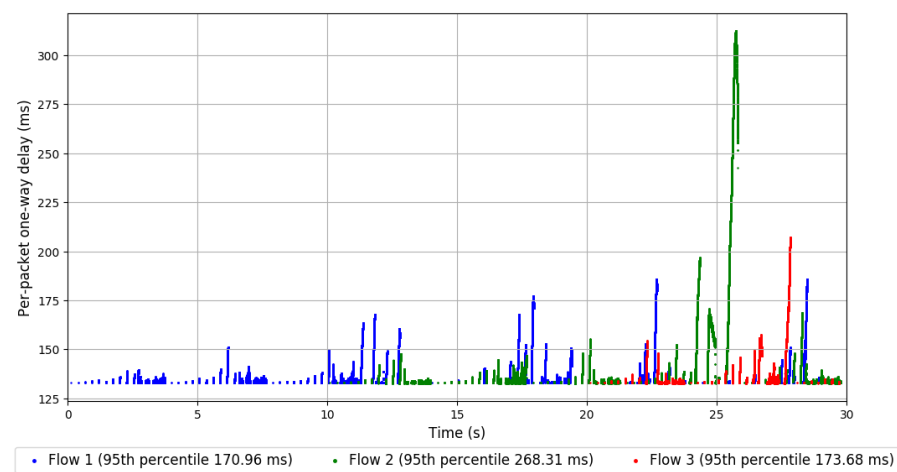
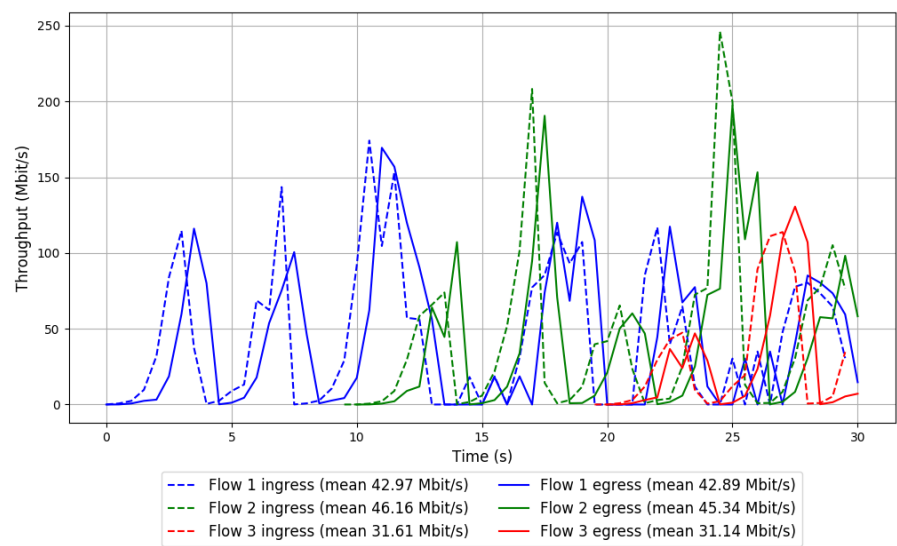


Run 1: Statistics of Verus

Start at: 2019-10-03 11:18:24
End at: 2019-10-03 11:18:54
Local clock offset: -0.071 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-10-03 17:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 182.435 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 170.960 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 268.311 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 173.678 ms
Loss rate: 4.42%

Run 1: Report of Verus — Data Link

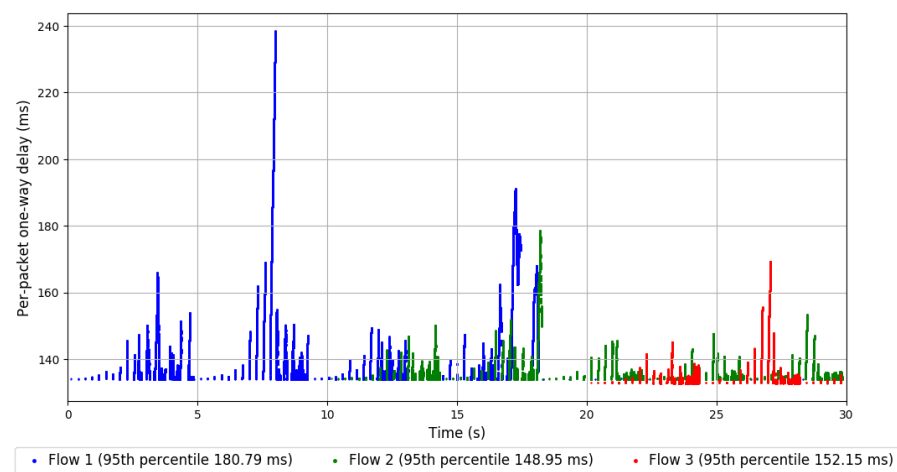
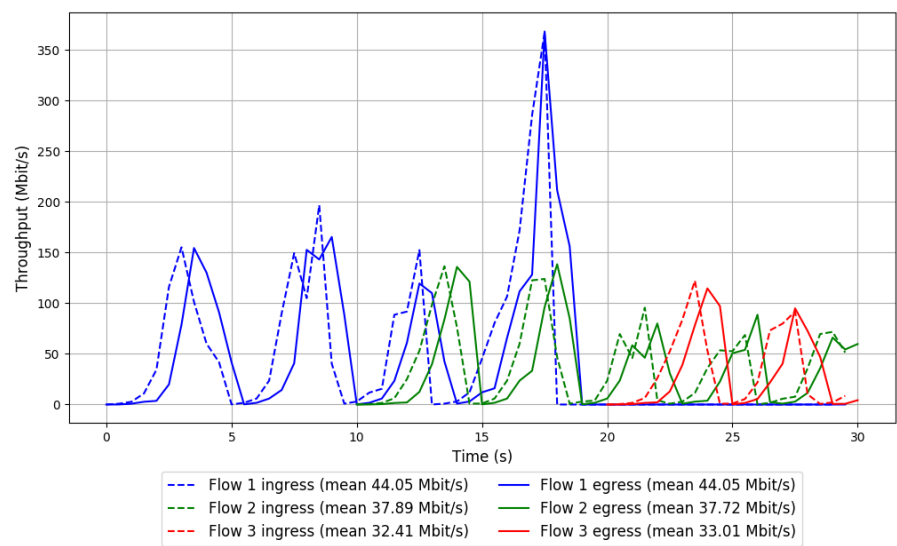


Run 2: Statistics of Verus

Start at: 2019-10-03 12:01:34
End at: 2019-10-03 12:02:04
Local clock offset: 0.397 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2019-10-03 17:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 175.036 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 180.791 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 148.950 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 152.154 ms
Loss rate: 0.89%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-10-03 12:44:54

End at: 2019-10-03 12:45:24

Local clock offset: 0.097 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-10-03 17:16:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.90 Mbit/s

95th percentile per-packet one-way delay: 256.984 ms

Loss rate: 6.52%

-- Flow 1:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 260.644 ms

Loss rate: 10.56%

-- Flow 2:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 149.196 ms

Loss rate: 0.01%

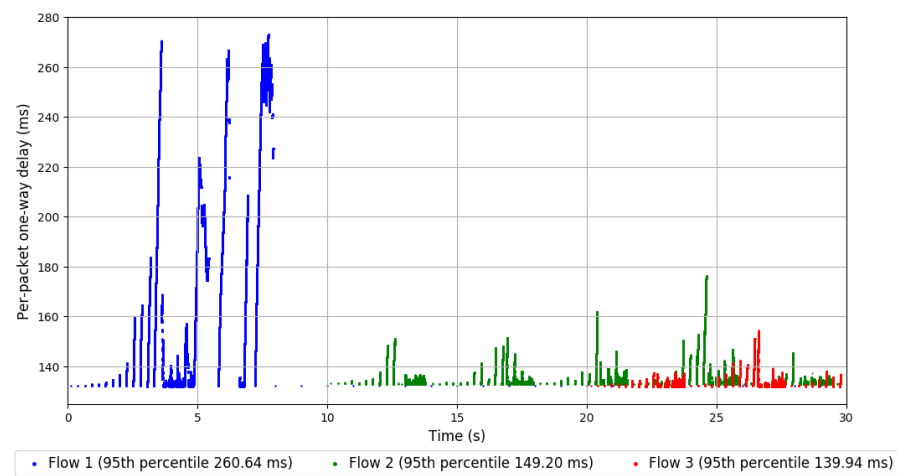
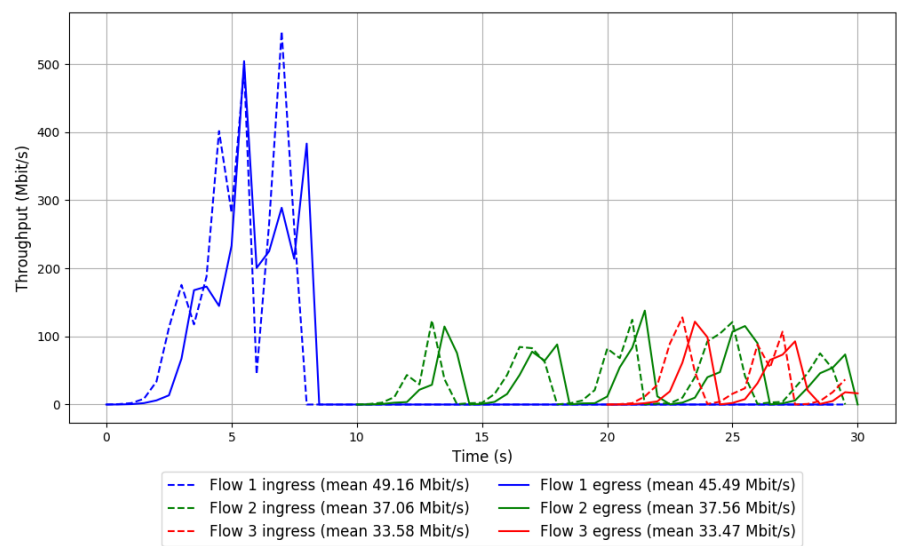
-- Flow 3:

Average throughput: 33.47 Mbit/s

95th percentile per-packet one-way delay: 139.943 ms

Loss rate: 3.05%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-10-03 13:27:33

End at: 2019-10-03 13:28:03

Local clock offset: -0.048 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2019-10-03 17:16:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.04 Mbit/s

95th percentile per-packet one-way delay: 296.870 ms

Loss rate: 6.25%

-- Flow 1:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 304.575 ms

Loss rate: 3.50%

-- Flow 2:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 293.398 ms

Loss rate: 10.81%

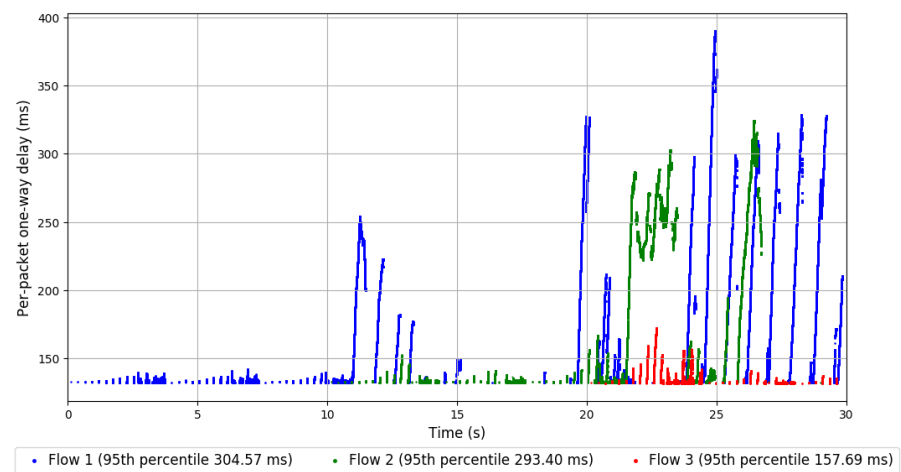
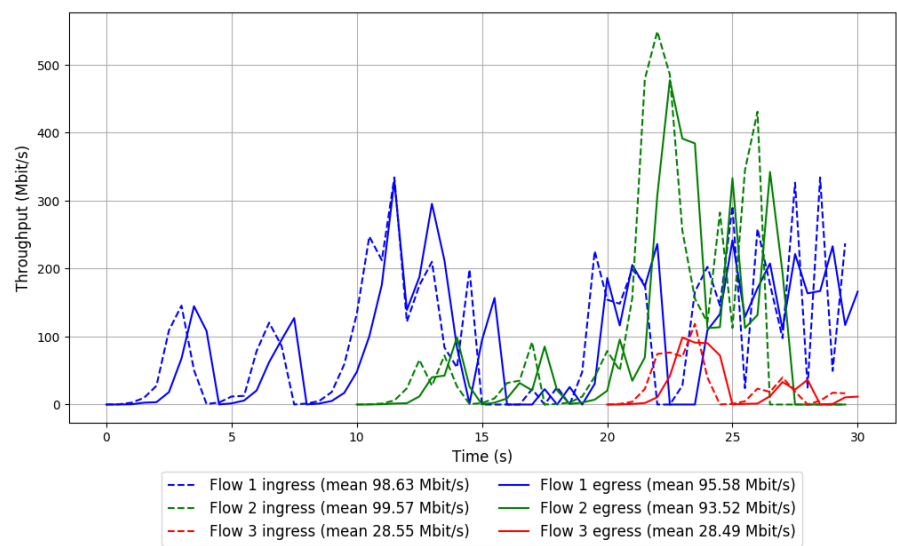
-- Flow 3:

Average throughput: 28.49 Mbit/s

95th percentile per-packet one-way delay: 157.685 ms

Loss rate: 2.98%

Run 4: Report of Verus — Data Link

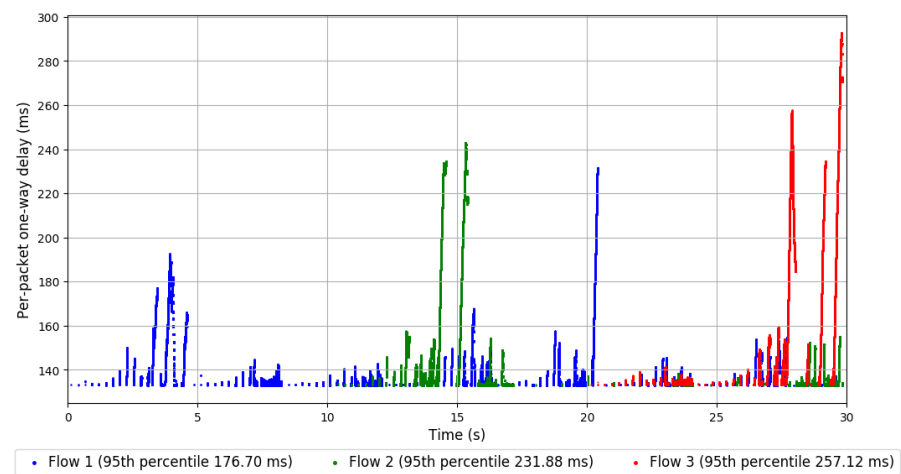
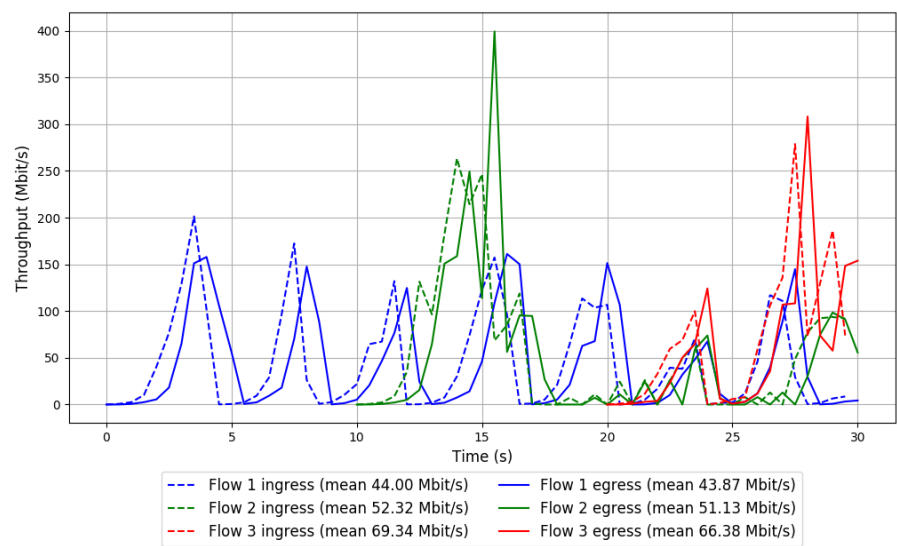


Run 5: Statistics of Verus

Start at: 2019-10-03 14:10:25
End at: 2019-10-03 14:10:55
Local clock offset: 0.061 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-10-03 17:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 230.745 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 176.699 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 231.883 ms
Loss rate: 3.56%
-- Flow 3:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 257.118 ms
Loss rate: 3.73%

Run 5: Report of Verus — Data Link

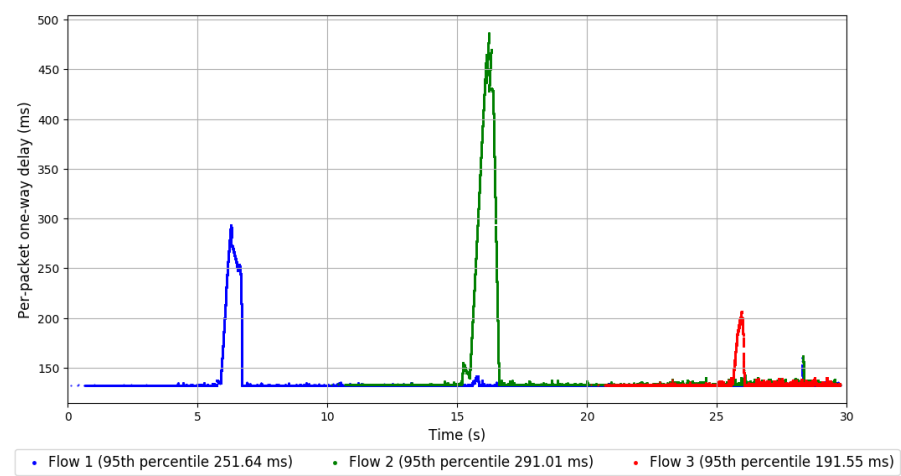
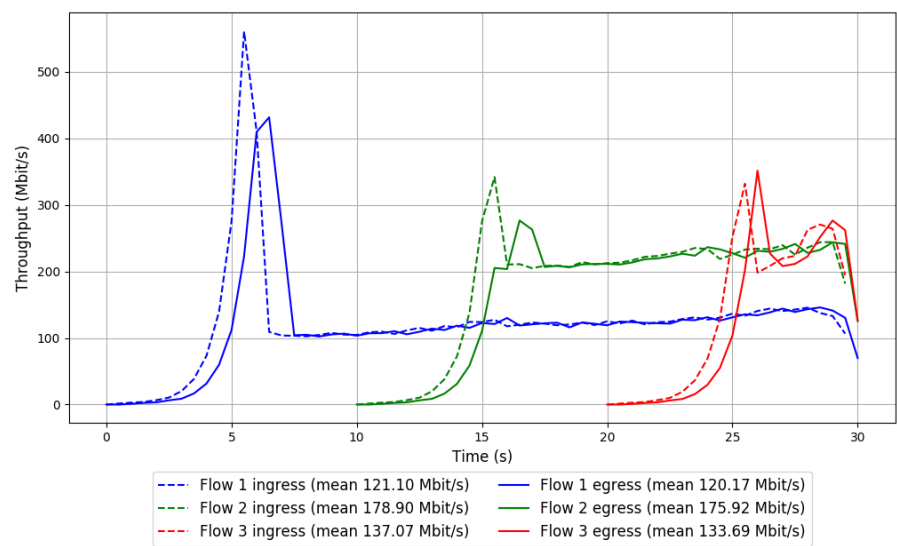


Run 1: Statistics of PCC-Vivace

Start at: 2019-10-03 10:55:41
End at: 2019-10-03 10:56:11
Local clock offset: -0.265 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-10-03 17:16:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.90 Mbit/s
95th percentile per-packet one-way delay: 249.337 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 120.17 Mbit/s
95th percentile per-packet one-way delay: 251.638 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 175.92 Mbit/s
95th percentile per-packet one-way delay: 291.007 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 133.69 Mbit/s
95th percentile per-packet one-way delay: 191.554 ms
Loss rate: 5.11%

Run 1: Report of PCC-Vivace — Data Link

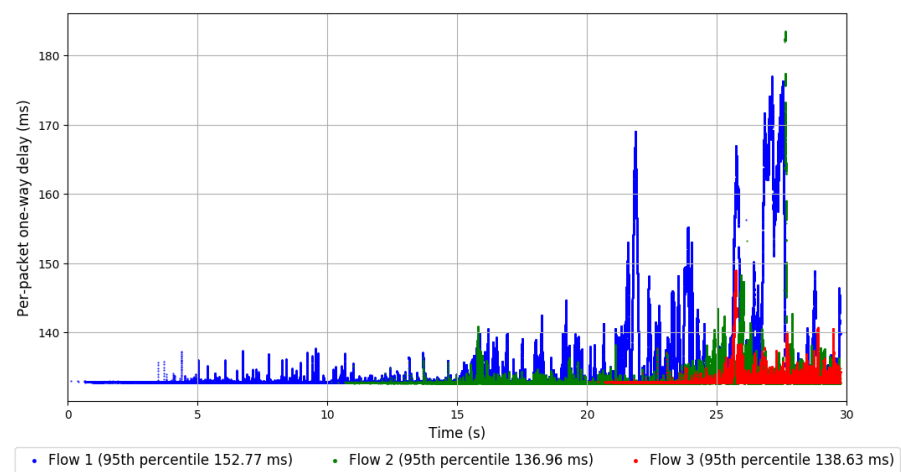
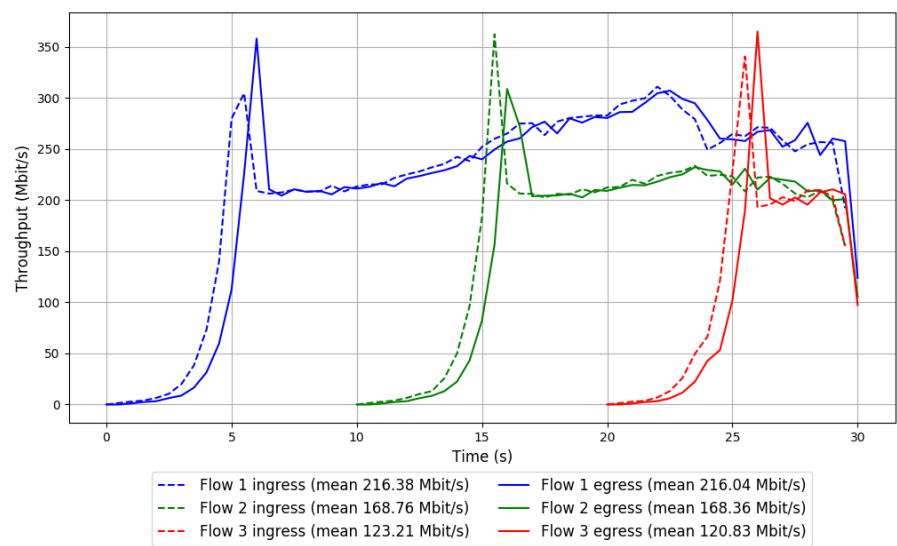


Run 2: Statistics of PCC-Vivace

Start at: 2019-10-03 11:39:07
End at: 2019-10-03 11:39:37
Local clock offset: -0.076 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-10-03 17:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.58 Mbit/s
95th percentile per-packet one-way delay: 144.883 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 216.04 Mbit/s
95th percentile per-packet one-way delay: 152.766 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 168.36 Mbit/s
95th percentile per-packet one-way delay: 136.956 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 120.83 Mbit/s
95th percentile per-packet one-way delay: 138.633 ms
Loss rate: 4.59%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-10-03 12:22:04

End at: 2019-10-03 12:22:34

Local clock offset: -0.357 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2019-10-03 17:17:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.63 Mbit/s

95th percentile per-packet one-way delay: 171.056 ms

Loss rate: 1.81%

-- Flow 1:

Average throughput: 212.06 Mbit/s

95th percentile per-packet one-way delay: 173.018 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 192.26 Mbit/s

95th percentile per-packet one-way delay: 155.292 ms

Loss rate: 1.69%

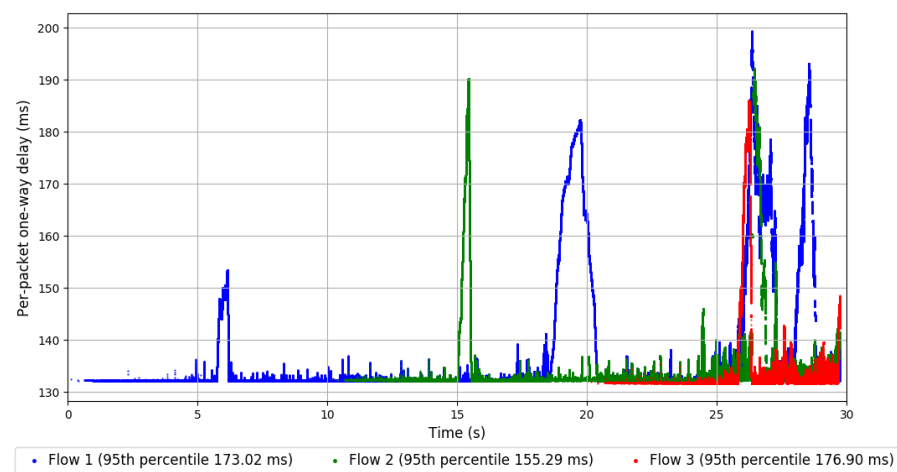
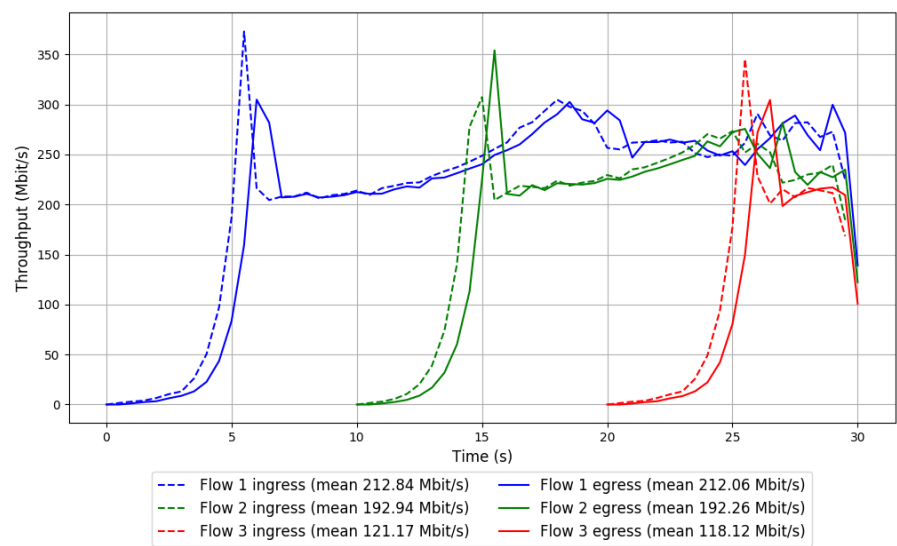
-- Flow 3:

Average throughput: 118.12 Mbit/s

95th percentile per-packet one-way delay: 176.902 ms

Loss rate: 5.14%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-10-03 13:05:06

End at: 2019-10-03 13:05:36

Local clock offset: 0.333 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2019-10-03 17:17:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.98 Mbit/s

95th percentile per-packet one-way delay: 183.422 ms

Loss rate: 1.65%

-- Flow 1:

Average throughput: 198.31 Mbit/s

95th percentile per-packet one-way delay: 136.247 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 190.32 Mbit/s

95th percentile per-packet one-way delay: 187.019 ms

Loss rate: 1.54%

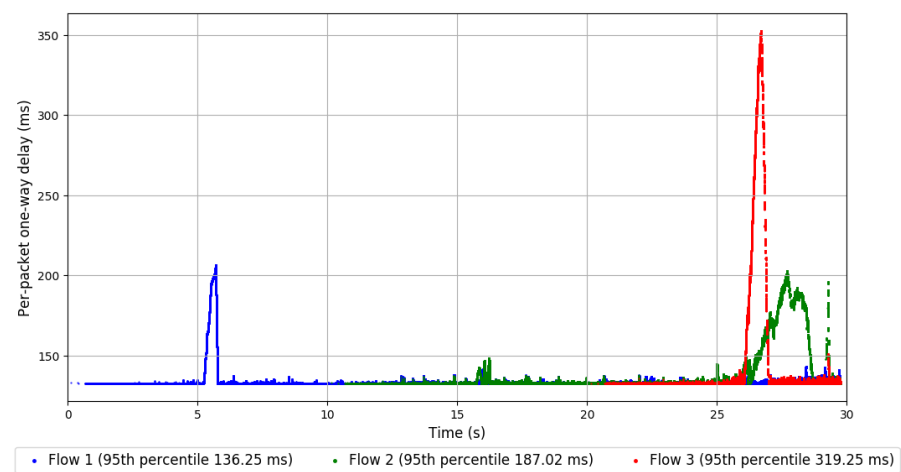
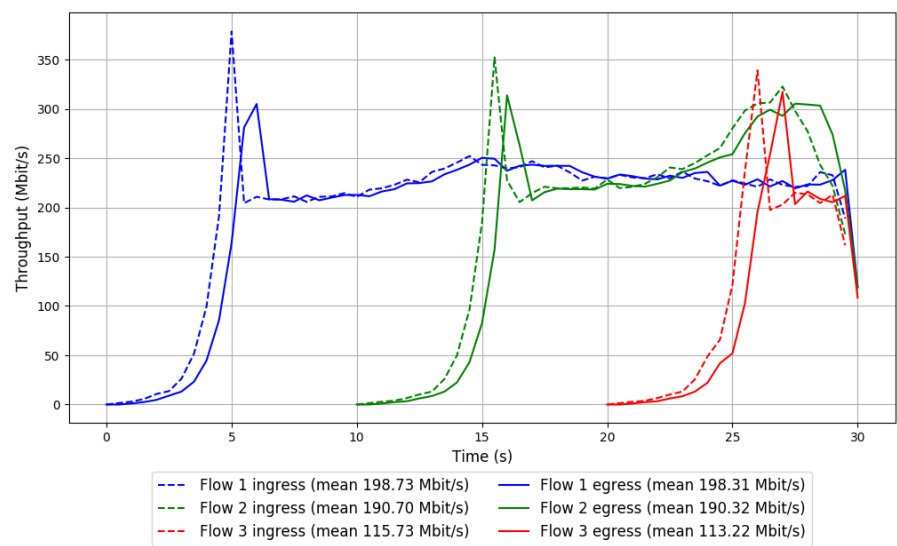
-- Flow 3:

Average throughput: 113.22 Mbit/s

95th percentile per-packet one-way delay: 319.253 ms

Loss rate: 4.82%

Run 4: Report of PCC-Vivace — Data Link

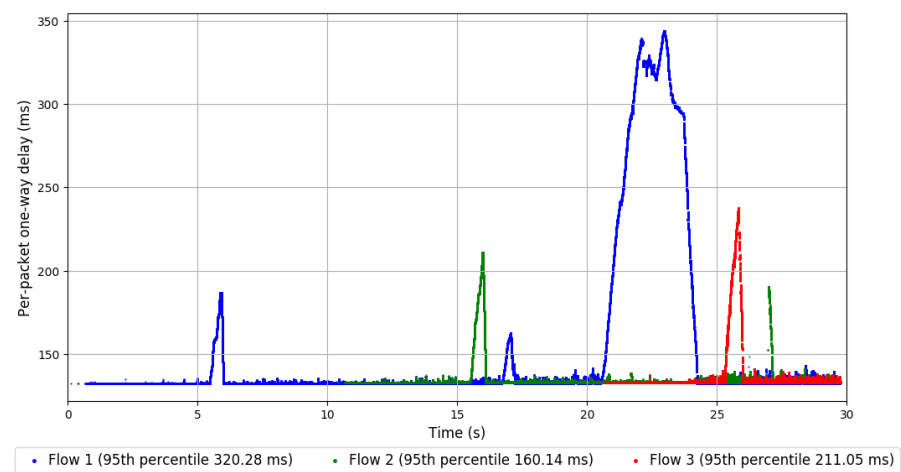
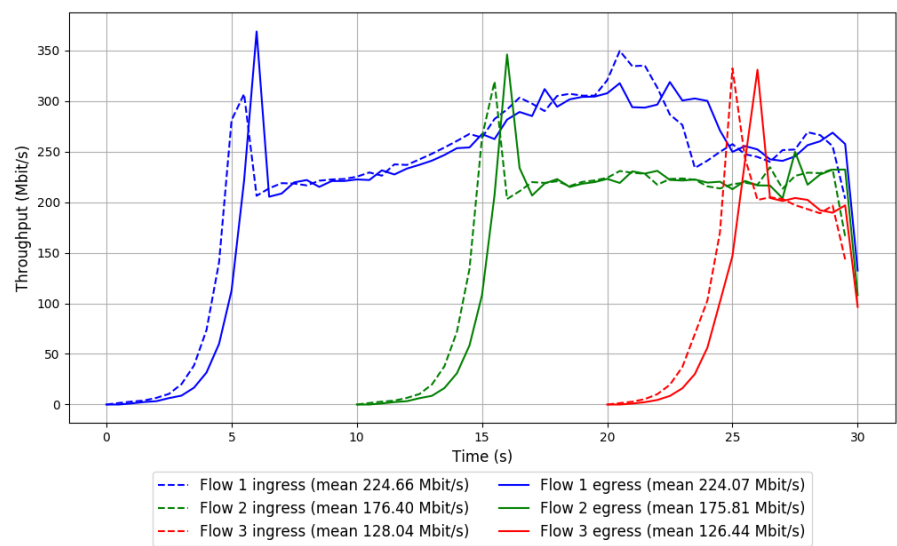


Run 5: Statistics of PCC-Vivace

Start at: 2019-10-03 13:47:46
End at: 2019-10-03 13:48:16
Local clock offset: -0.134 ms
Remote clock offset: -0.059 ms

```
# Below is generated by plot.py at 2019-10-03 17:17:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 381.40 Mbit/s
95th percentile per-packet one-way delay: 295.643 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 224.07 Mbit/s
95th percentile per-packet one-way delay: 320.284 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 160.143 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 126.44 Mbit/s
95th percentile per-packet one-way delay: 211.052 ms
Loss rate: 3.93%
```

Run 5: Report of PCC-Vivace — Data Link

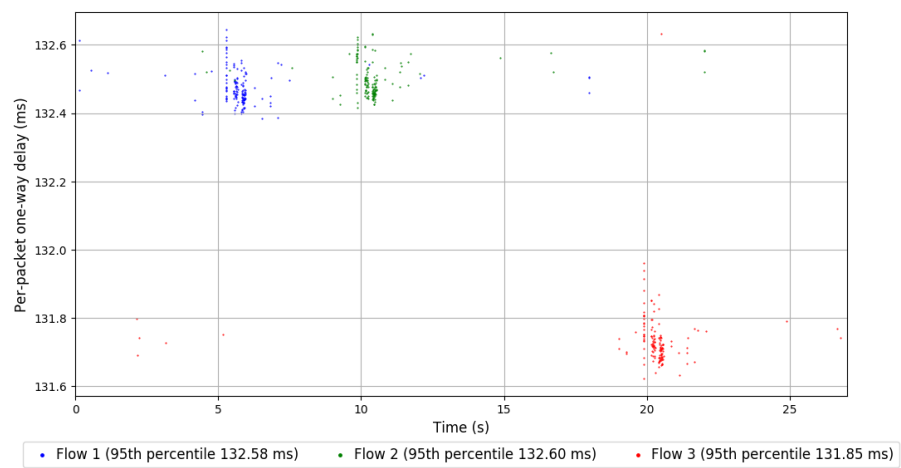
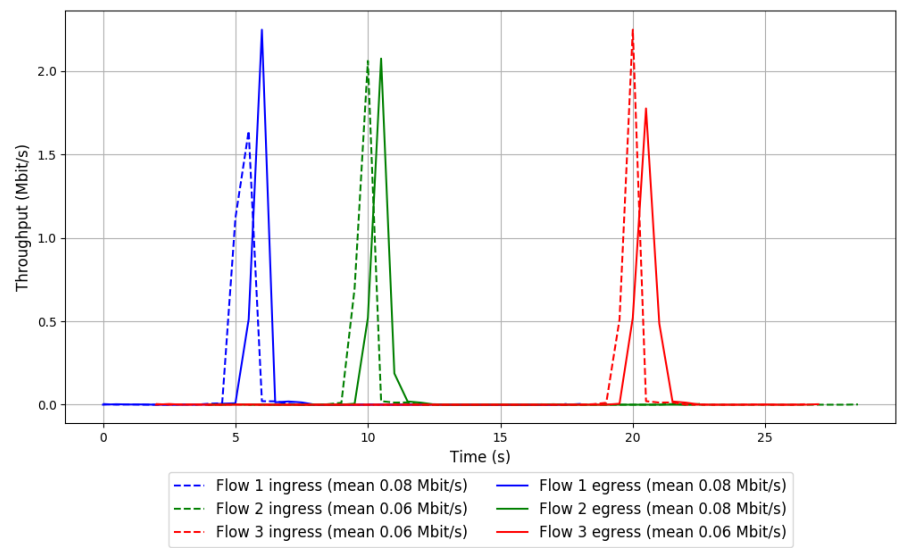


Run 1: Statistics of WebRTC media

Start at: 2019-10-03 11:11:06
End at: 2019-10-03 11:11:36
Local clock offset: -0.497 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-10-03 17:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.583 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 132.576 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 132.597 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 131.850 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

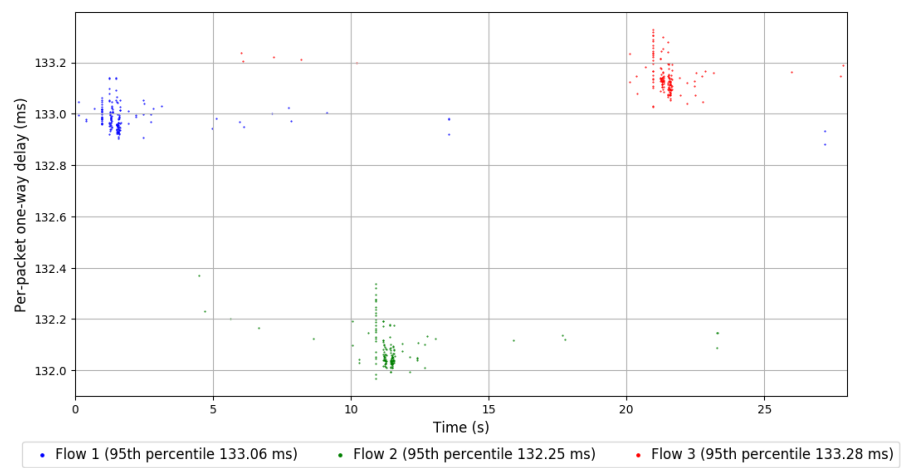
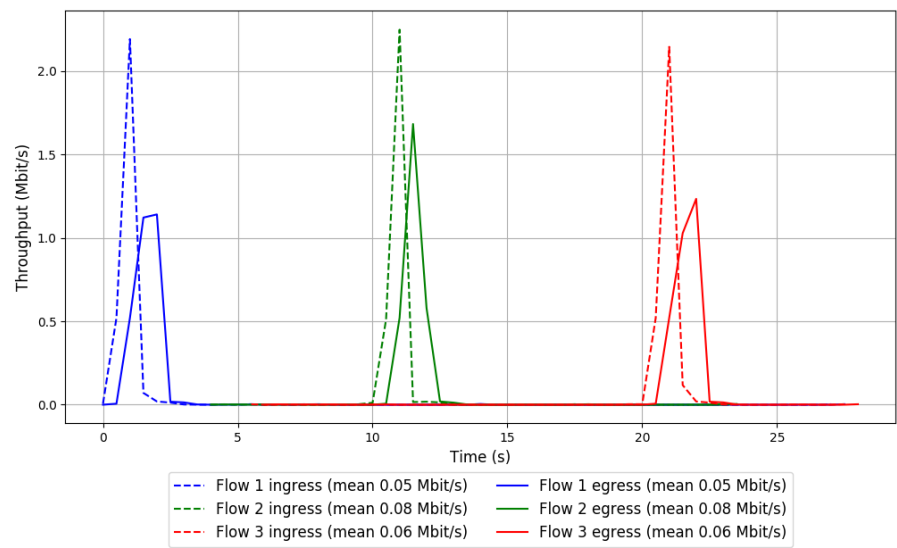


Run 2: Statistics of WebRTC media

Start at: 2019-10-03 11:54:16
End at: 2019-10-03 11:54:46
Local clock offset: -0.06 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2019-10-03 17:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 132.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 133.280 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-10-03 12:37:35

End at: 2019-10-03 12:38:05

Local clock offset: -0.11 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-10-03 17:17:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 132.391 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 132.447 ms

Loss rate: 0.00%

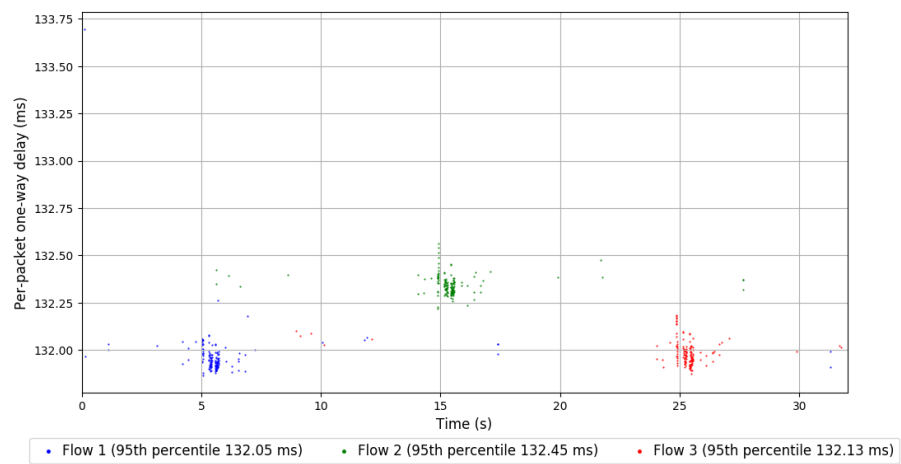
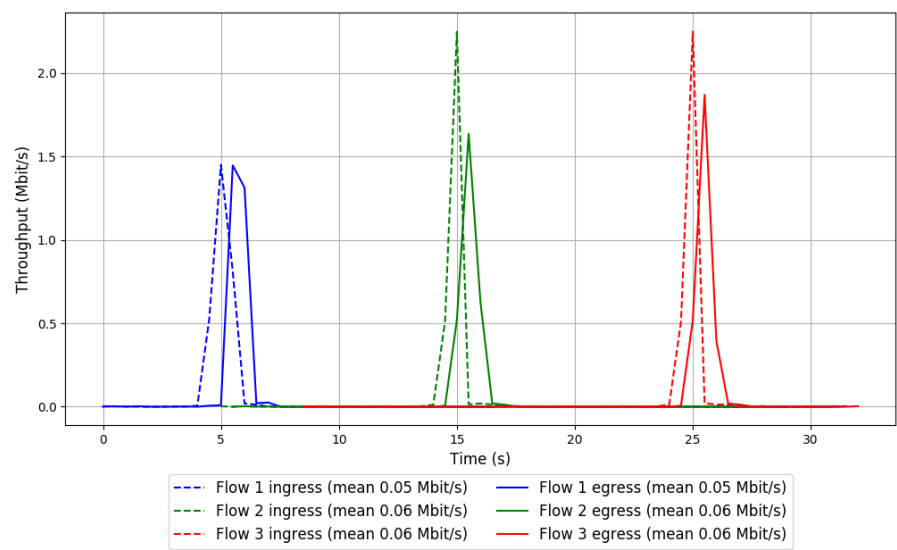
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 132.135 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-10-03 13:20:08

End at: 2019-10-03 13:20:38

Local clock offset: -0.263 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-10-03 17:17:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 132.682 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.528 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 132.709 ms

Loss rate: 0.00%

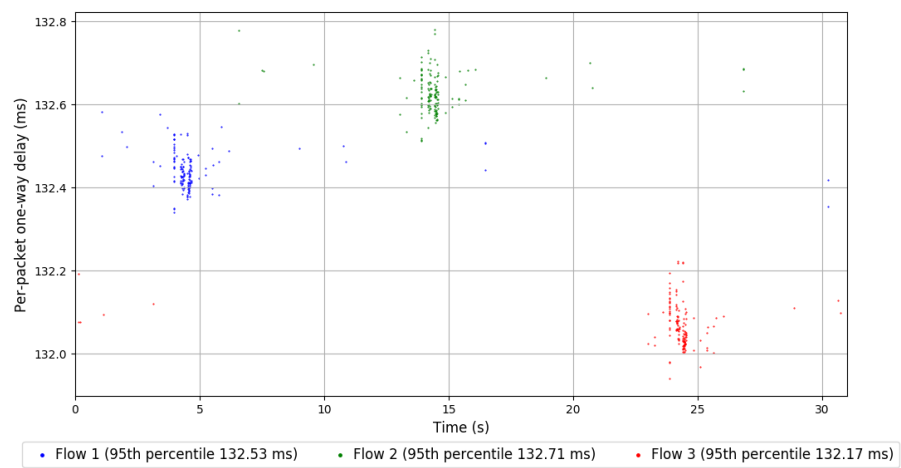
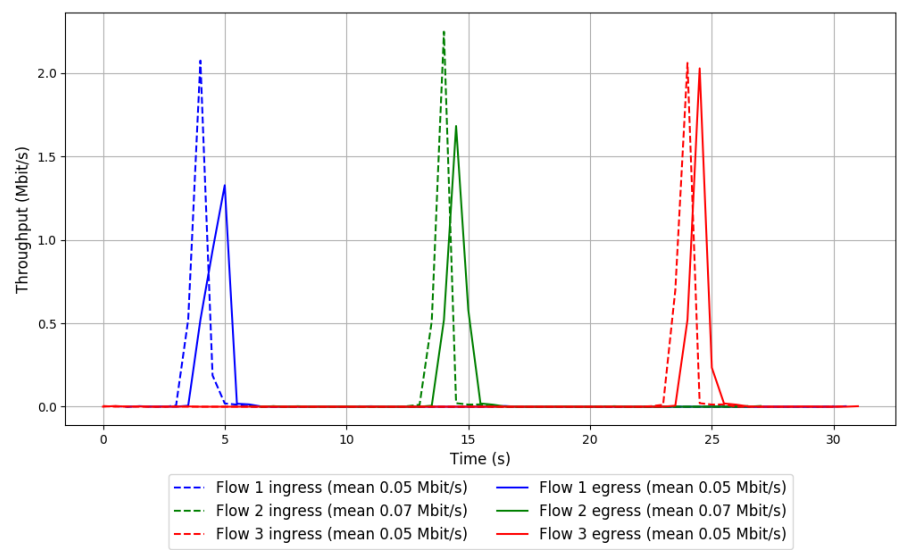
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.170 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-10-03 14:02:59

End at: 2019-10-03 14:03:29

Local clock offset: -0.126 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2019-10-03 17:17:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 132.581 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.095 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.903 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 132.165 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

