

Pantheon Report

Generated at 2019-01-03 15:21:08 (UTC).

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

Repeated the test of 19 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:

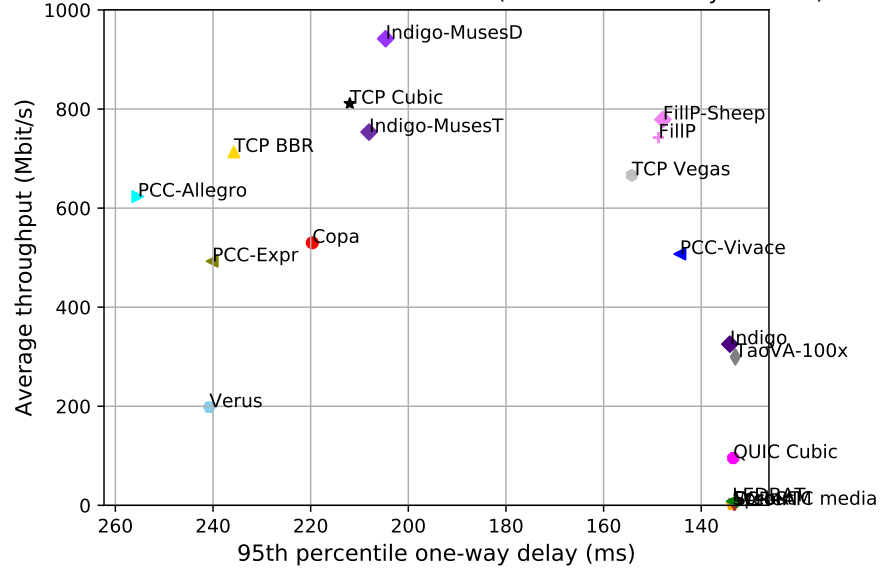
```
Linux 4.15.0-1025-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

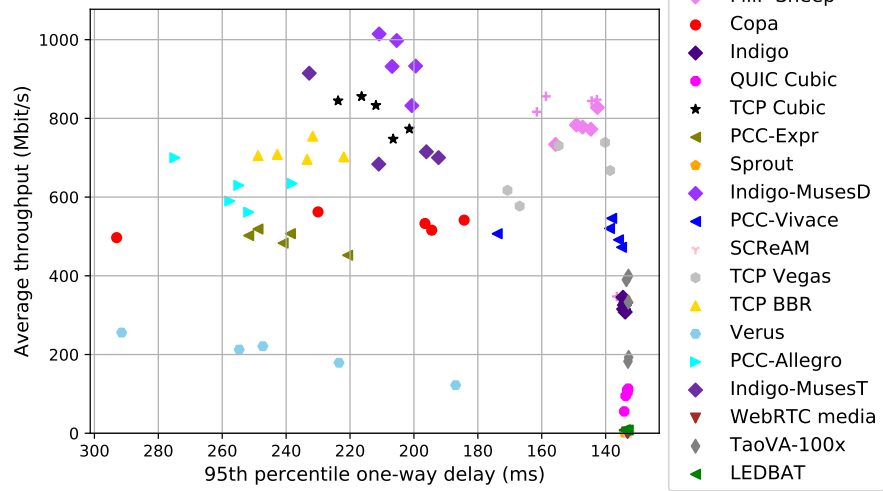
```
branch: muses @ c654af0b7d59d4ef4b914cfac404e1fc2e96dc68
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 65ac1b19bbefed0c6349ae986009b4fa8643c40a
third_party/muses-refactored @ 31f8f0ba8ef8b1da76c2bc0cd0a7850c33ff64fb
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 Sydney to GCE London, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Sydney to GCE London, 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	370.06	377.69	285.99	229.36	233.00	216.46	0.94	0.88	1.10
Copa	5	281.08	271.76	204.67	193.69	186.94	227.07	0.06	0.10	0.22
TCP Cubic	5	485.20	365.61	247.94	204.87	189.99	174.72	0.13	0.32	0.13
FillP	5	438.47	338.98	236.51	153.76	136.18	136.73	0.19	0.01	0.00
FillP-Sheep	5	499.92	311.68	217.32	154.49	135.59	134.49	0.11	0.01	0.00
Indigo	5	177.39	158.39	133.97	133.62	134.43	135.24	0.00	0.00	0.00
Indigo-MusesD	5	559.38	451.13	260.68	203.23	202.27	213.31	0.26	0.64	0.68
Indigo-MusesT	4	442.90	357.47	267.03	208.29	199.63	202.99	0.67	0.46	0.67
LEDBAT	5	5.27	3.48	1.71	133.60	133.49	133.49	0.00	0.00	0.00
PCC-Allegro	5	339.09	303.83	250.64	257.09	225.99	250.83	6.92	1.75	2.69
PCC-Expr	5	303.09	186.36	199.18	242.68	174.81	233.29	4.39	0.45	2.30
QUIC Cubic	5	44.15	58.18	39.13	133.13	133.25	133.07	0.00	0.00	0.00
SCReAM	5	0.15	0.15	0.16	133.01	133.21	133.23	0.00	0.00	0.00
Sprout	5	0.63	0.66	0.56	133.60	133.22	133.46	0.00	0.00	0.00
TaoVA-100x	5	127.50	191.03	134.63	132.57	133.00	132.98	0.00	0.00	0.00
TCP Vegas	5	342.49	363.01	246.53	138.13	163.06	212.39	0.00	0.02	0.32
Verus	5	141.43	74.21	24.10	245.82	209.40	142.61	3.16	0.86	0.00
PCC-Vivace	5	310.88	223.71	144.89	144.83	134.85	165.36	0.13	0.00	0.21
WebRTC media	5	0.77	0.28	0.11	133.06	133.09	133.18	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-03 09:46:18

End at: 2019-01-03 09:46:48

Local clock offset: 0.257 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2019-01-03 12:51:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 695.99 Mbit/s

95th percentile per-packet one-way delay: 233.439 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 347.15 Mbit/s

95th percentile per-packet one-way delay: 232.293 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 385.35 Mbit/s

95th percentile per-packet one-way delay: 237.223 ms

Loss rate: 1.58%

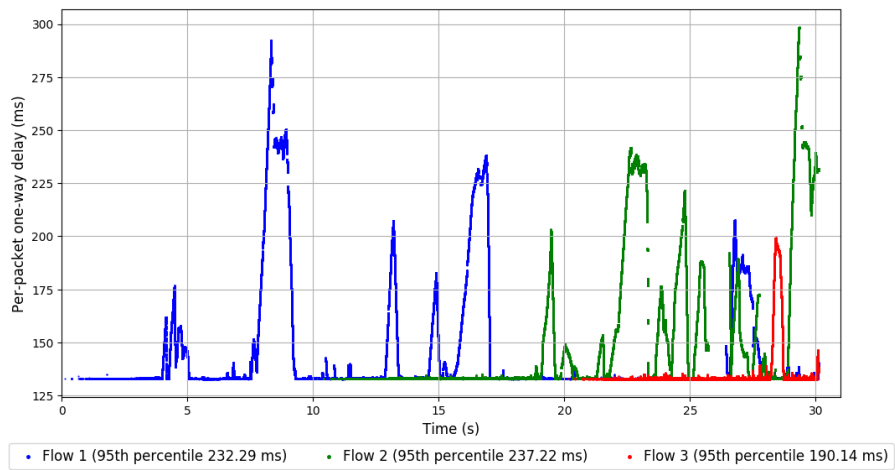
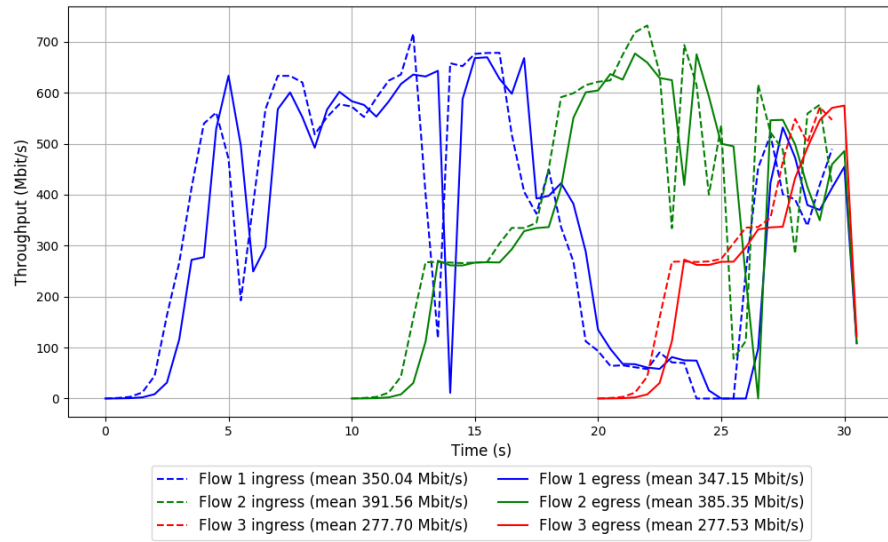
-- Flow 3:

Average throughput: 277.53 Mbit/s

95th percentile per-packet one-way delay: 190.139 ms

Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link

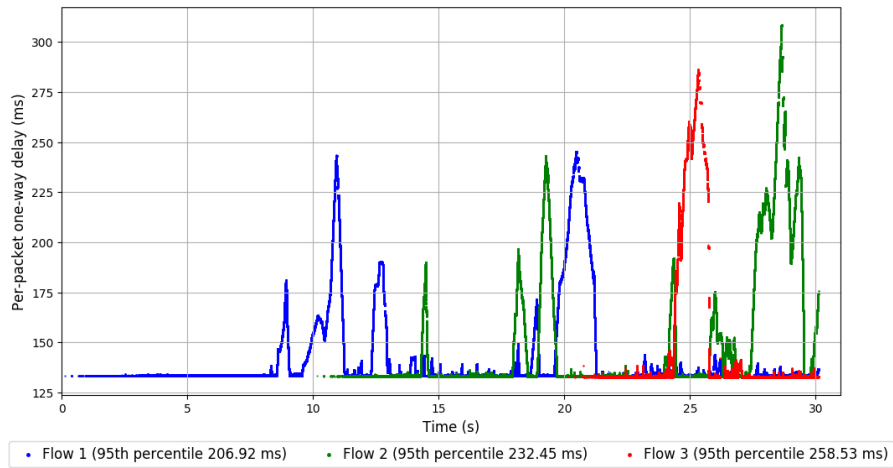
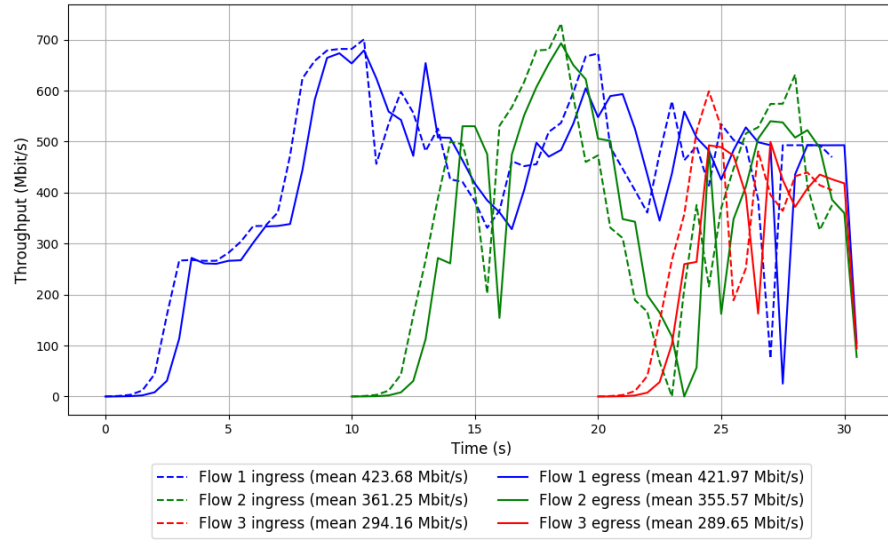


Run 2: Statistics of TCP BBR

Start at: 2019-01-03 10:22:31
End at: 2019-01-03 10:23:01
Local clock offset: -0.076 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2019-01-03 12:54:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 754.81 Mbit/s
95th percentile per-packet one-way delay: 231.693 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 421.97 Mbit/s
95th percentile per-packet one-way delay: 206.917 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 355.57 Mbit/s
95th percentile per-packet one-way delay: 232.452 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 289.65 Mbit/s
95th percentile per-packet one-way delay: 258.532 ms
Loss rate: 1.53%

Run 2: Report of TCP BBR — Data Link

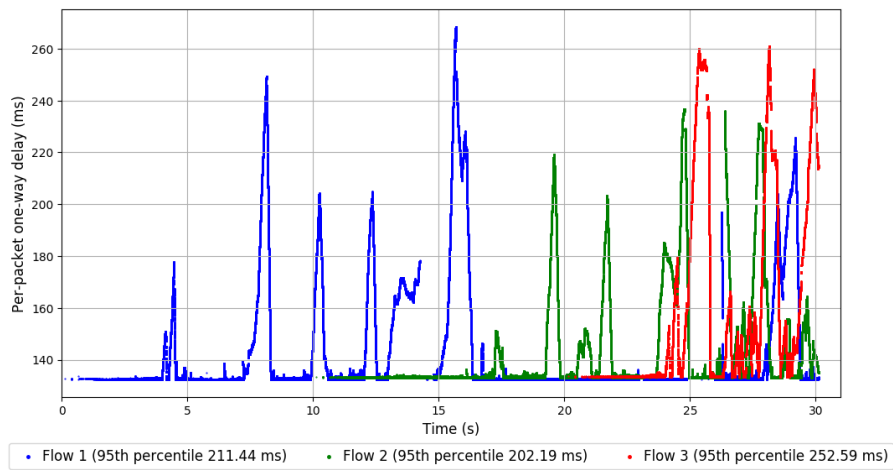
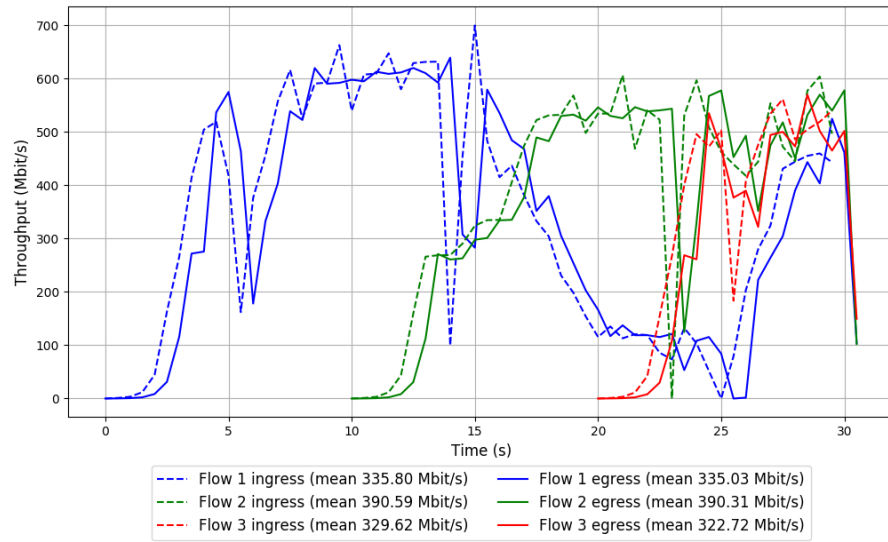


Run 3: Statistics of TCP BBR

Start at: 2019-01-03 10:58:58
End at: 2019-01-03 10:59:28
Local clock offset: -0.119 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-01-03 12:54:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 702.33 Mbit/s
95th percentile per-packet one-way delay: 221.951 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 335.03 Mbit/s
95th percentile per-packet one-way delay: 211.442 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 390.31 Mbit/s
95th percentile per-packet one-way delay: 202.191 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 322.72 Mbit/s
95th percentile per-packet one-way delay: 252.594 ms
Loss rate: 2.09%

Run 3: Report of TCP BBR — Data Link

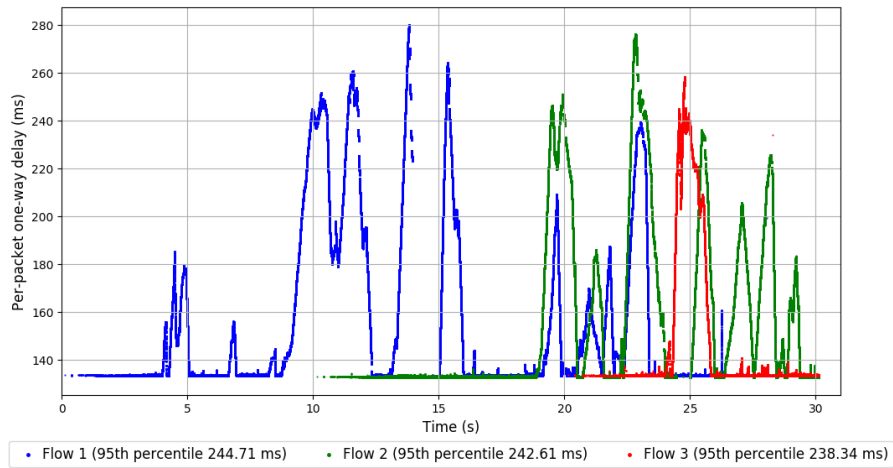
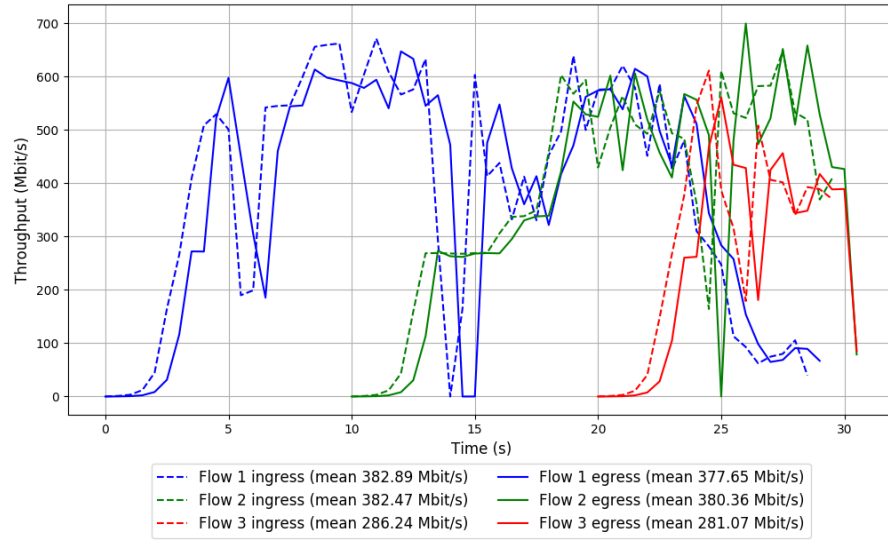


Run 4: Statistics of TCP BBR

Start at: 2019-01-03 11:34:31
End at: 2019-01-03 11:35:01
Local clock offset: -0.307 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-01-03 12:54:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 708.48 Mbit/s
95th percentile per-packet one-way delay: 242.776 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 377.65 Mbit/s
95th percentile per-packet one-way delay: 244.714 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 380.36 Mbit/s
95th percentile per-packet one-way delay: 242.609 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 281.07 Mbit/s
95th percentile per-packet one-way delay: 238.339 ms
Loss rate: 1.81%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-01-03 12:10:15

End at: 2019-01-03 12:10:45

Local clock offset: 0.271 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2019-01-03 12:54:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 705.52 Mbit/s

95th percentile per-packet one-way delay: 248.796 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 368.50 Mbit/s

95th percentile per-packet one-way delay: 251.418 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 376.84 Mbit/s

95th percentile per-packet one-way delay: 250.543 ms

Loss rate: 0.63%

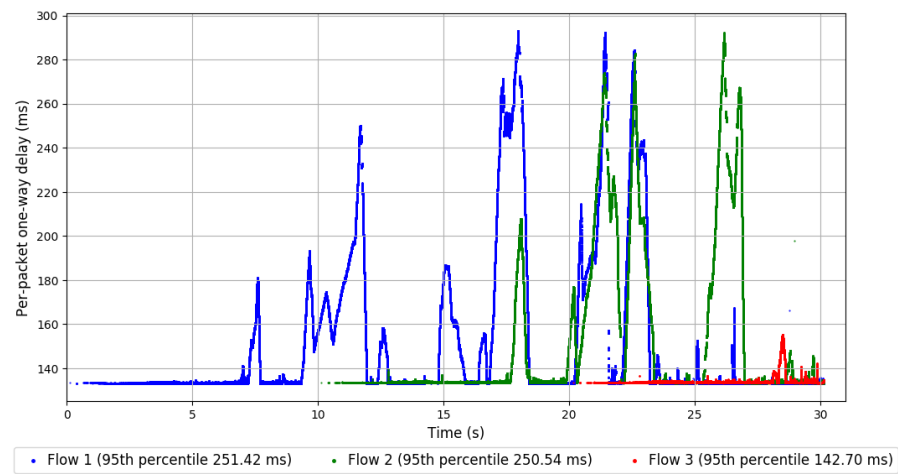
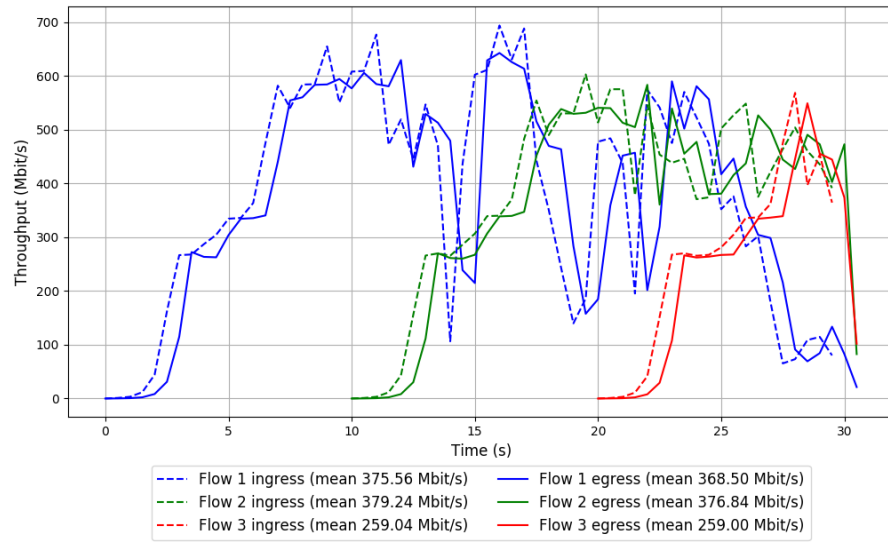
-- Flow 3:

Average throughput: 259.00 Mbit/s

95th percentile per-packet one-way delay: 142.701 ms

Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link

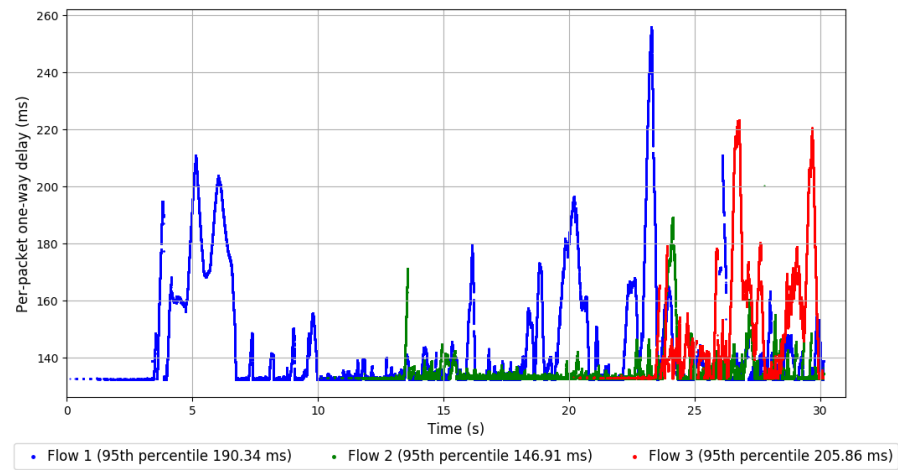
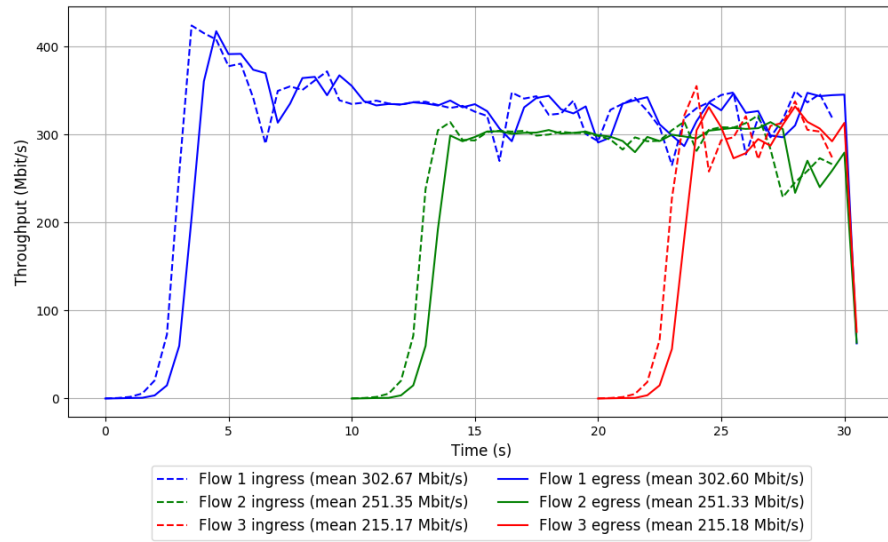


Run 1: Statistics of Copa

Start at: 2019-01-03 09:49:45
End at: 2019-01-03 09:50:15
Local clock offset: -0.154 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-01-03 12:59:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 541.44 Mbit/s
95th percentile per-packet one-way delay: 184.278 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 302.60 Mbit/s
95th percentile per-packet one-way delay: 190.339 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 251.33 Mbit/s
95th percentile per-packet one-way delay: 146.908 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 215.18 Mbit/s
95th percentile per-packet one-way delay: 205.864 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

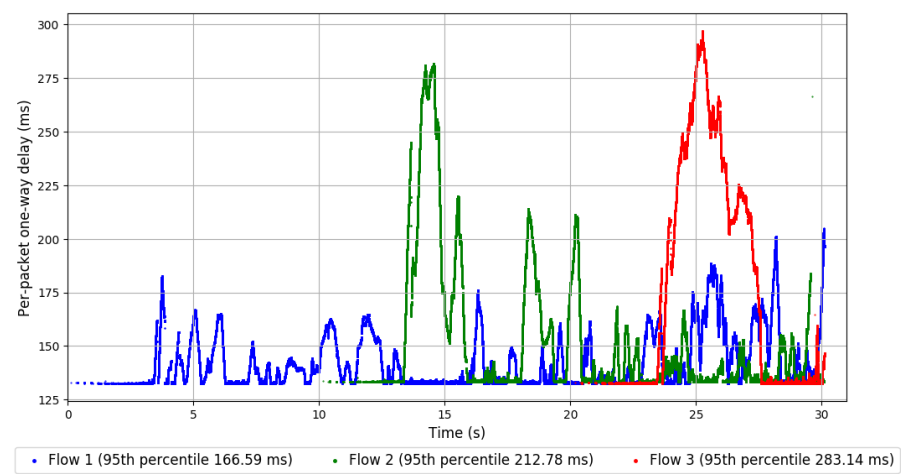
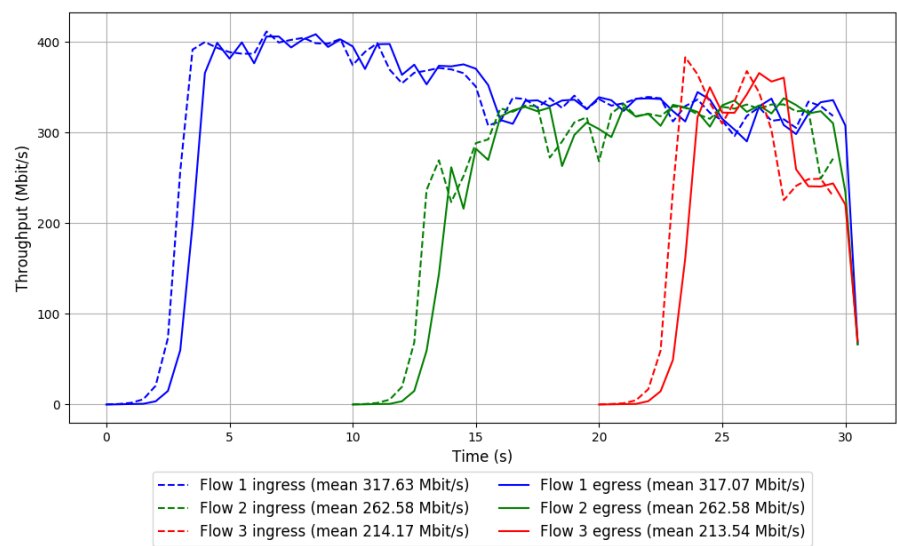


Run 2: Statistics of Copa

Start at: 2019-01-03 10:26:02
End at: 2019-01-03 10:26:32
Local clock offset: 0.098 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-01-03 13:00:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 562.46 Mbit/s
95th percentile per-packet one-way delay: 230.012 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 317.07 Mbit/s
95th percentile per-packet one-way delay: 166.587 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 262.58 Mbit/s
95th percentile per-packet one-way delay: 212.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 283.143 ms
Loss rate: 0.29%

Run 2: Report of Copa — Data Link

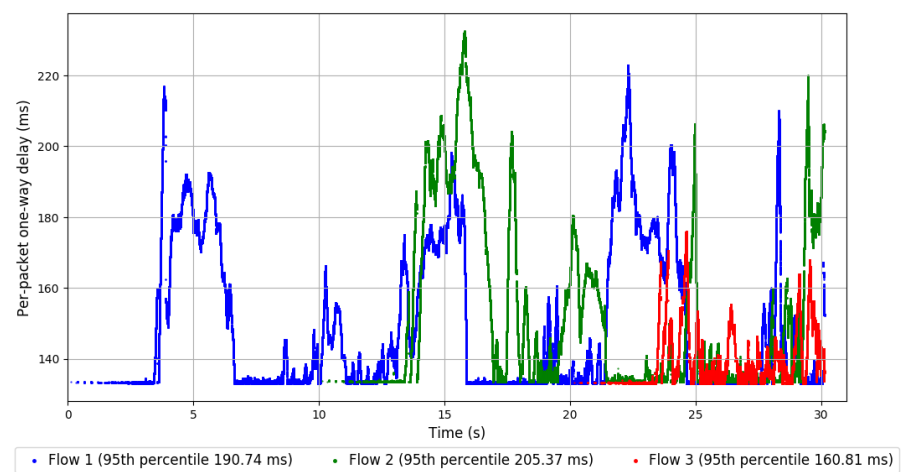
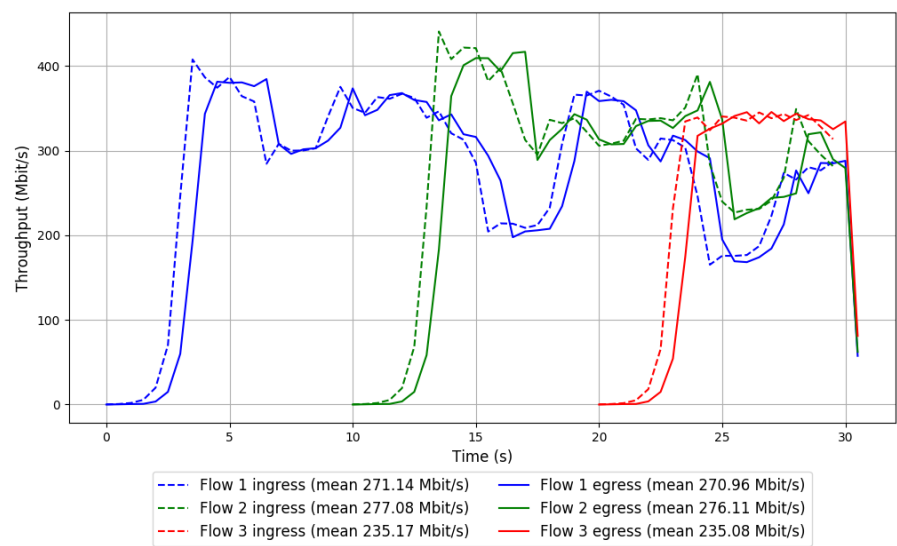


Run 3: Statistics of Copa

Start at: 2019-01-03 11:02:26
End at: 2019-01-03 11:02:56
Local clock offset: -0.49 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-01-03 13:00:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.94 Mbit/s
95th percentile per-packet one-way delay: 196.539 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 270.96 Mbit/s
95th percentile per-packet one-way delay: 190.743 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 276.11 Mbit/s
95th percentile per-packet one-way delay: 205.374 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 235.08 Mbit/s
95th percentile per-packet one-way delay: 160.808 ms
Loss rate: 0.03%

Run 3: Report of Copa — Data Link

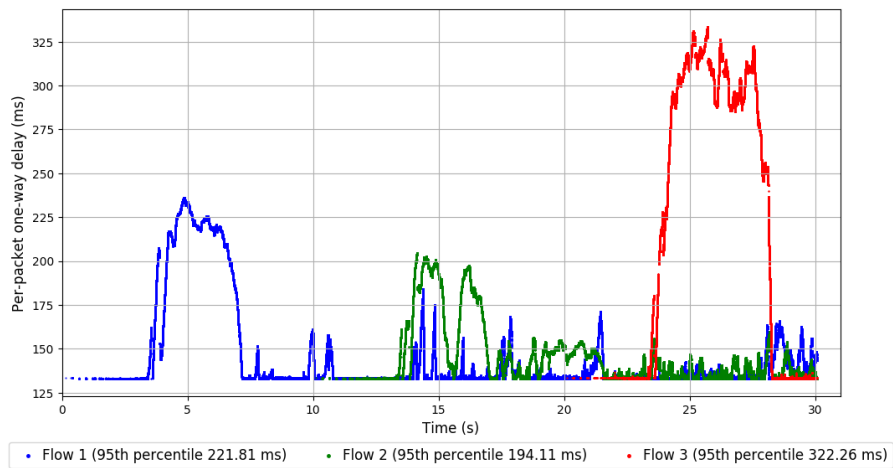
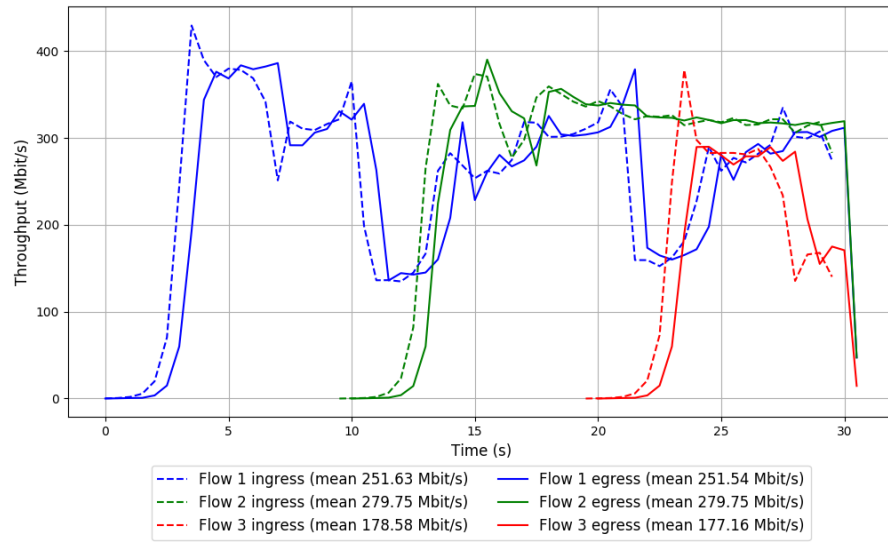


Run 4: Statistics of Copa

Start at: 2019-01-03 11:38:00
End at: 2019-01-03 11:38:30
Local clock offset: -0.074 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-01-03 13:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.00 Mbit/s
95th percentile per-packet one-way delay: 293.051 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 251.54 Mbit/s
95th percentile per-packet one-way delay: 221.807 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 279.75 Mbit/s
95th percentile per-packet one-way delay: 194.113 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.16 Mbit/s
95th percentile per-packet one-way delay: 322.264 ms
Loss rate: 0.79%

Run 4: Report of Copa — Data Link

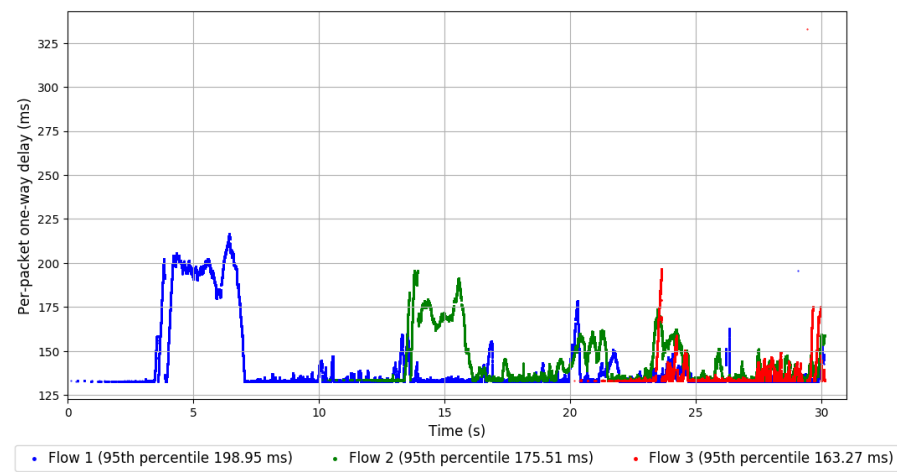
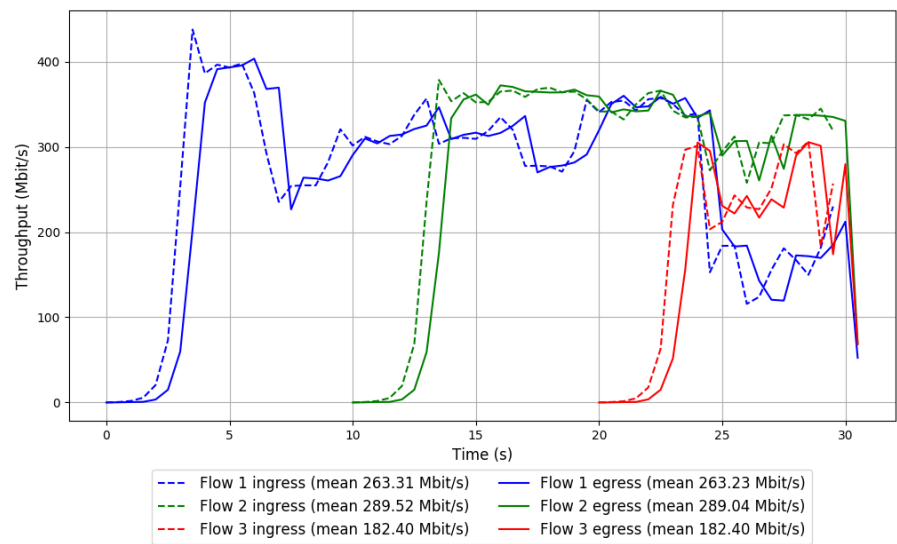


Run 5: Statistics of Copa

Start at: 2019-01-03 12:13:46
End at: 2019-01-03 12:14:16
Local clock offset: -0.147 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-01-03 13:15:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.94 Mbit/s
95th percentile per-packet one-way delay: 194.435 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 263.23 Mbit/s
95th percentile per-packet one-way delay: 198.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 289.04 Mbit/s
95th percentile per-packet one-way delay: 175.509 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 182.40 Mbit/s
95th percentile per-packet one-way delay: 163.266 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

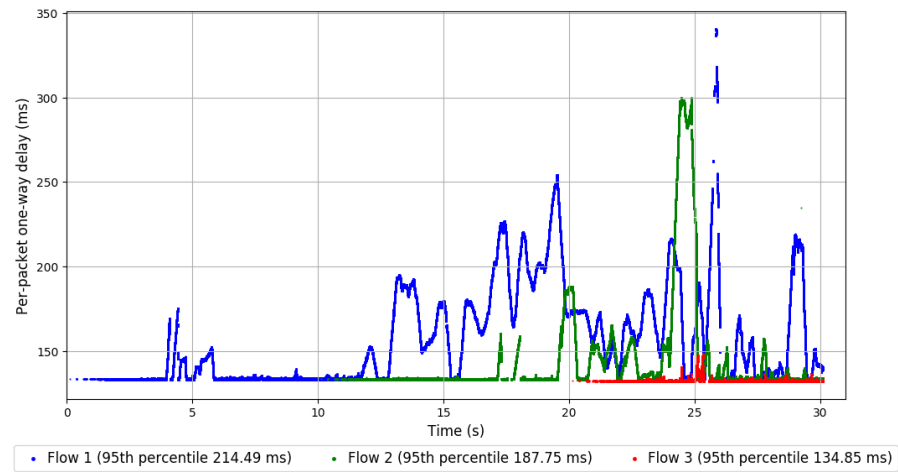
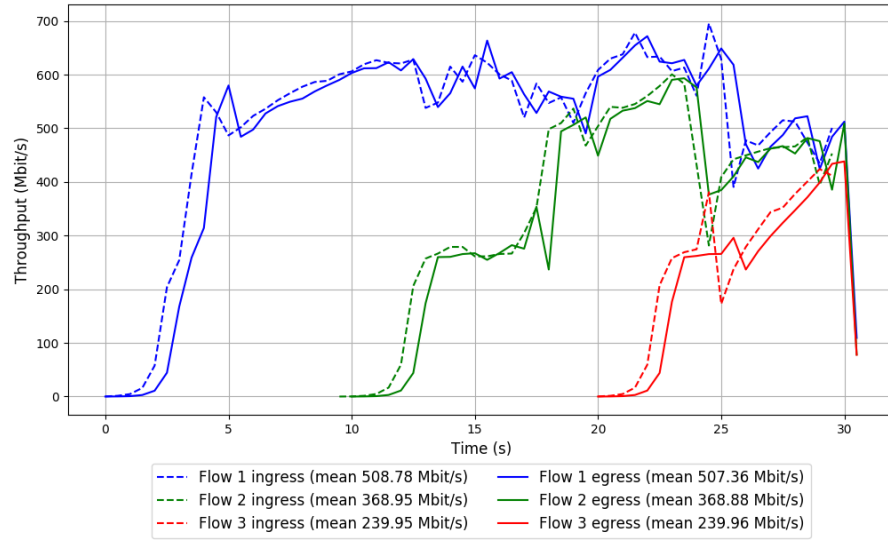


Run 1: Statistics of TCP Cubic

Start at: 2019-01-03 09:25:30
End at: 2019-01-03 09:26:00
Local clock offset: -0.17 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-01-03 13:15:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 833.04 Mbit/s
95th percentile per-packet one-way delay: 211.902 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 507.36 Mbit/s
95th percentile per-packet one-way delay: 214.493 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 368.88 Mbit/s
95th percentile per-packet one-way delay: 187.746 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 239.96 Mbit/s
95th percentile per-packet one-way delay: 134.854 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-01-03 10:01:07

End at: 2019-01-03 10:01:37

Local clock offset: -0.49 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-01-03 13:15:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 773.19 Mbit/s

95th percentile per-packet one-way delay: 201.415 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 451.76 Mbit/s

95th percentile per-packet one-way delay: 152.060 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 349.87 Mbit/s

95th percentile per-packet one-way delay: 221.845 ms

Loss rate: 0.26%

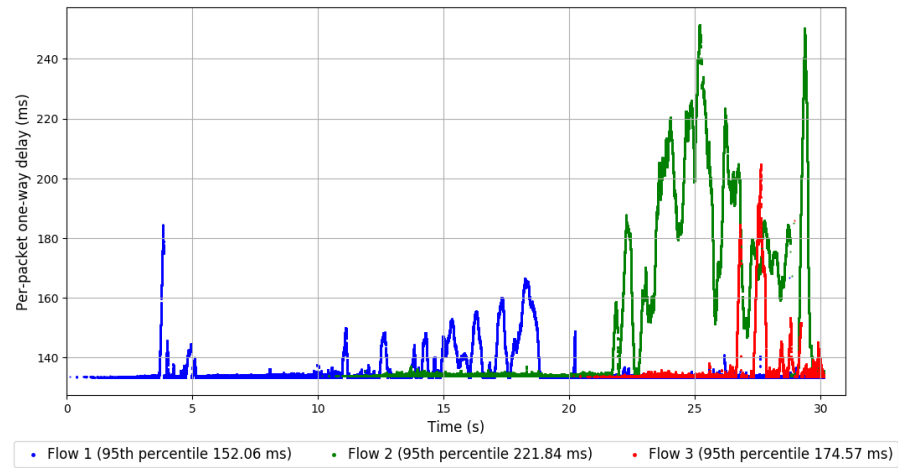
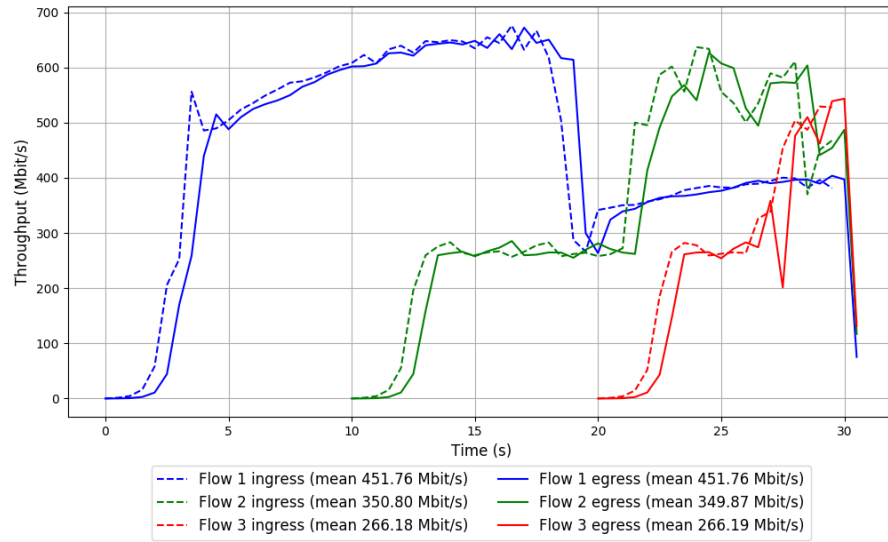
-- Flow 3:

Average throughput: 266.19 Mbit/s

95th percentile per-packet one-way delay: 174.570 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

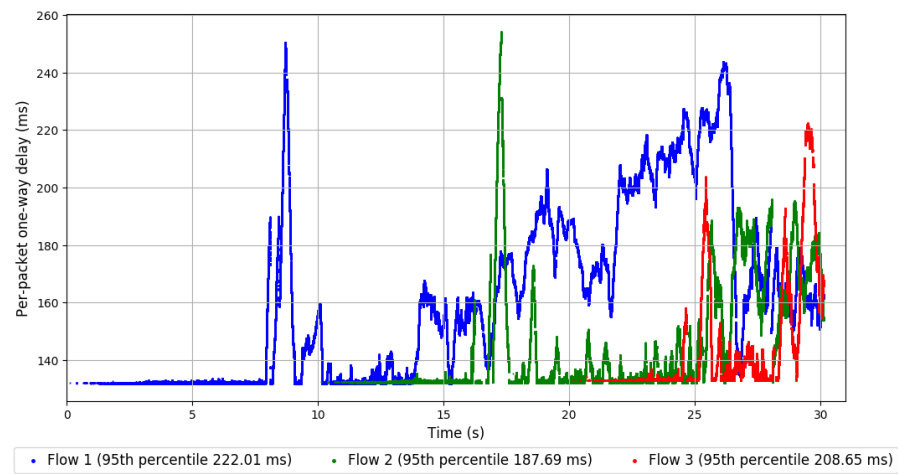
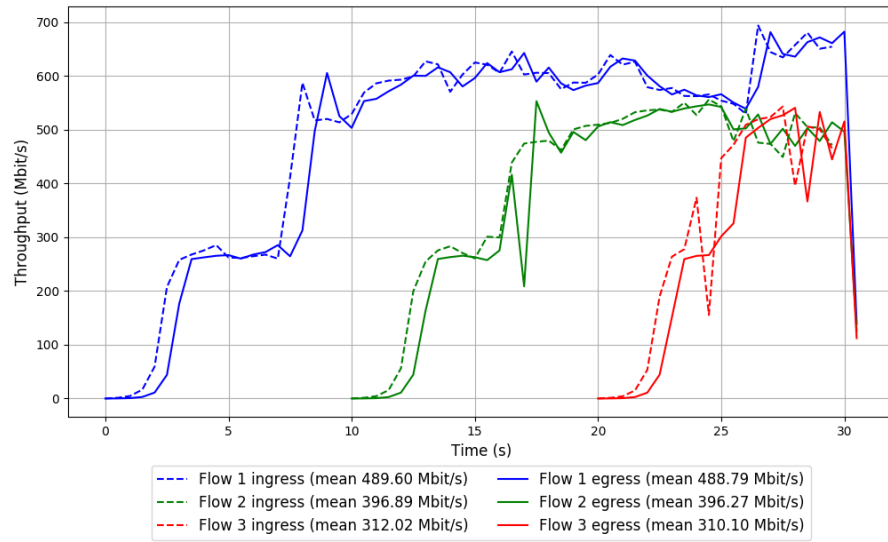


Run 3: Statistics of TCP Cubic

Start at: 2019-01-03 10:37:32
End at: 2019-01-03 10:38:02
Local clock offset: 0.372 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-01-03 13:15:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 855.78 Mbit/s
95th percentile per-packet one-way delay: 216.381 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 488.79 Mbit/s
95th percentile per-packet one-way delay: 222.009 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 396.27 Mbit/s
95th percentile per-packet one-way delay: 187.690 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 310.10 Mbit/s
95th percentile per-packet one-way delay: 208.654 ms
Loss rate: 0.63%

Run 3: Report of TCP Cubic — Data Link

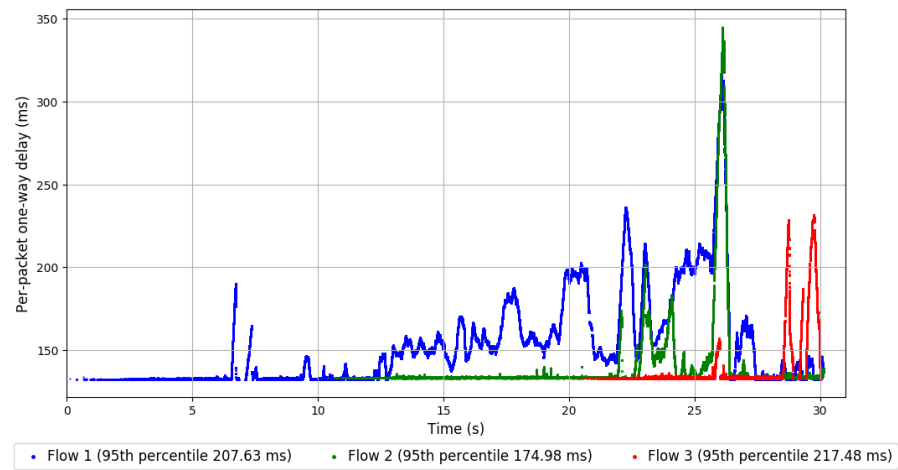
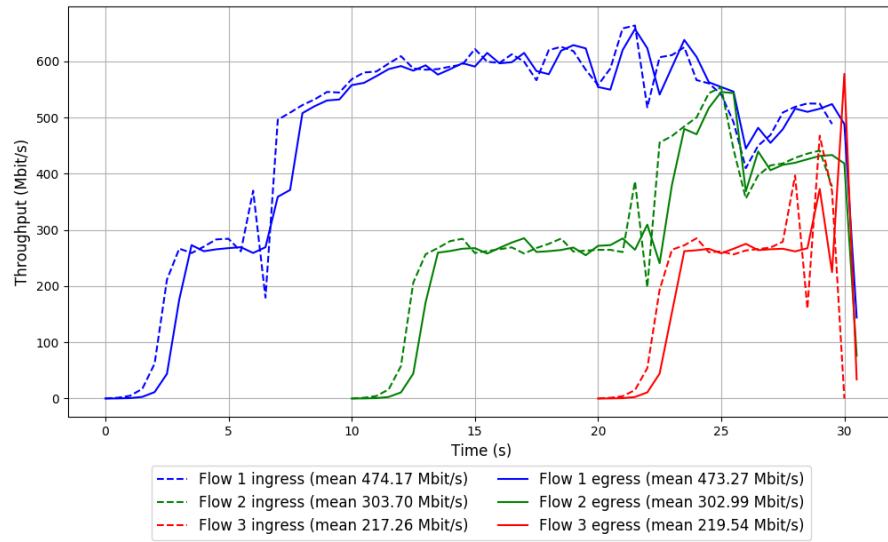


Run 4: Statistics of TCP Cubic

Start at: 2019-01-03 11:14:26
End at: 2019-01-03 11:14:56
Local clock offset: -0.217 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-01-03 13:17:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 747.48 Mbit/s
95th percentile per-packet one-way delay: 206.497 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 473.27 Mbit/s
95th percentile per-packet one-way delay: 207.631 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 302.99 Mbit/s
95th percentile per-packet one-way delay: 174.977 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 219.54 Mbit/s
95th percentile per-packet one-way delay: 217.484 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

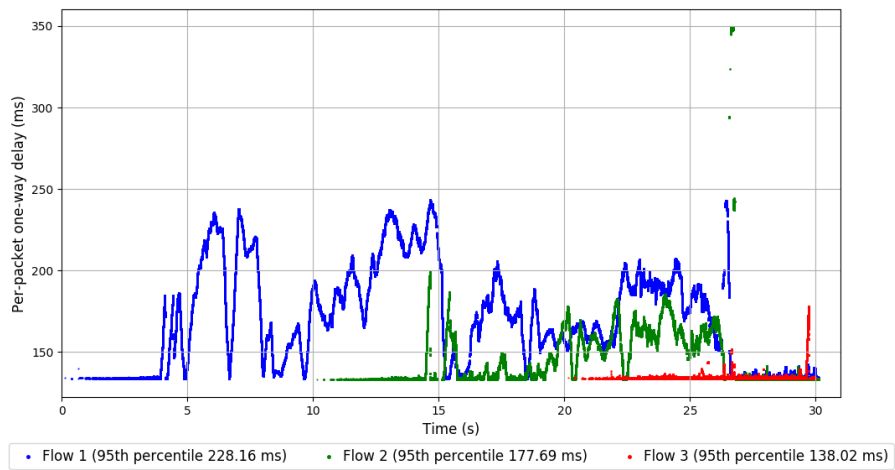
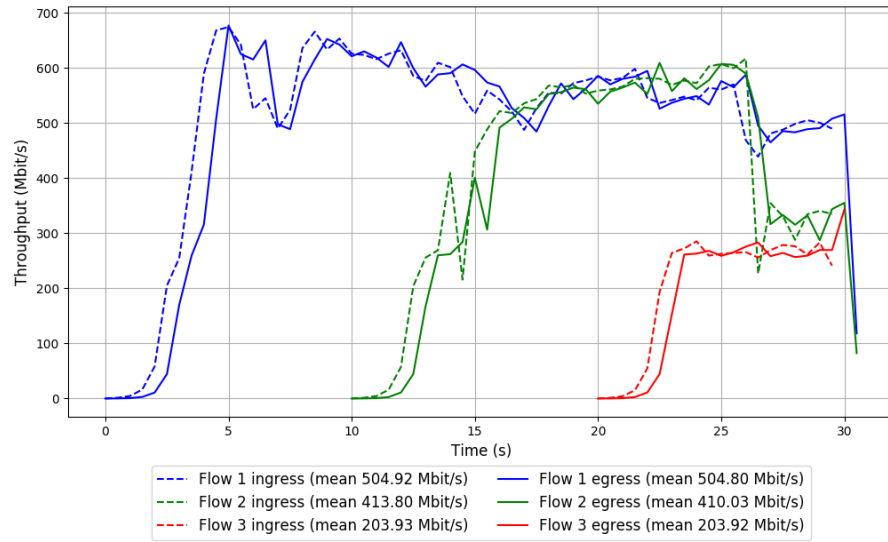


Run 5: Statistics of TCP Cubic

Start at: 2019-01-03 11:49:19
End at: 2019-01-03 11:49:49
Local clock offset: -0.526 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-01-03 13:19:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 844.77 Mbit/s
95th percentile per-packet one-way delay: 223.734 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 504.80 Mbit/s
95th percentile per-packet one-way delay: 228.159 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 410.03 Mbit/s
95th percentile per-packet one-way delay: 177.685 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 203.92 Mbit/s
95th percentile per-packet one-way delay: 138.024 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

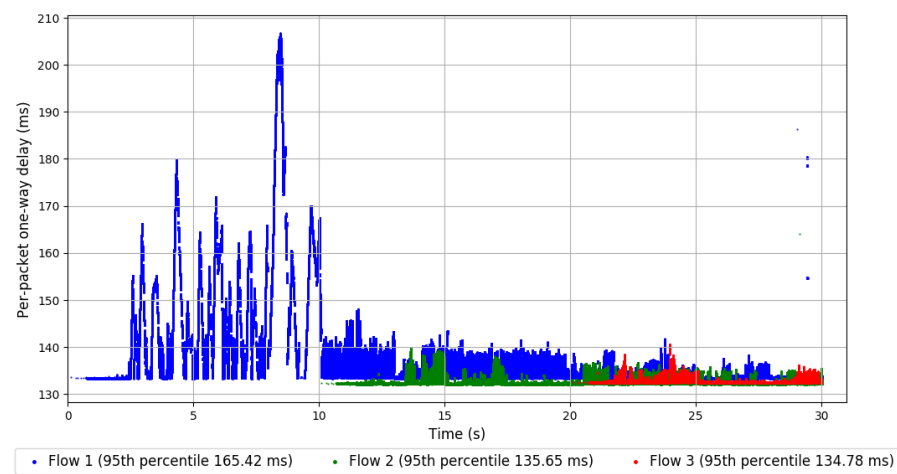
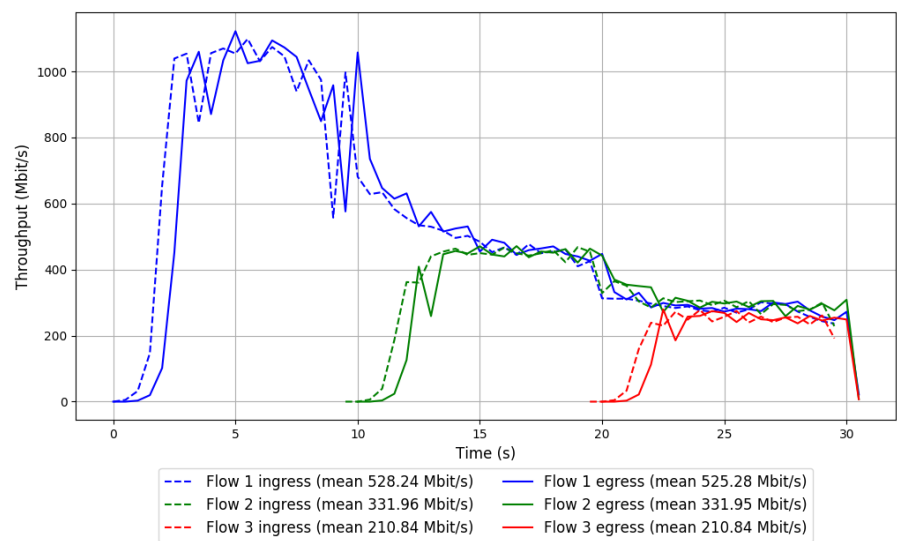


Run 1: Statistics of FillP

Start at: 2019-01-03 09:38:15
End at: 2019-01-03 09:38:45
Local clock offset: -0.119 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-01-03 13:23:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 816.55 Mbit/s
95th percentile per-packet one-way delay: 161.540 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 525.28 Mbit/s
95th percentile per-packet one-way delay: 165.418 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 331.95 Mbit/s
95th percentile per-packet one-way delay: 135.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 210.84 Mbit/s
95th percentile per-packet one-way delay: 134.782 ms
Loss rate: 0.00%

Run 1: Report of FillP — Data Link

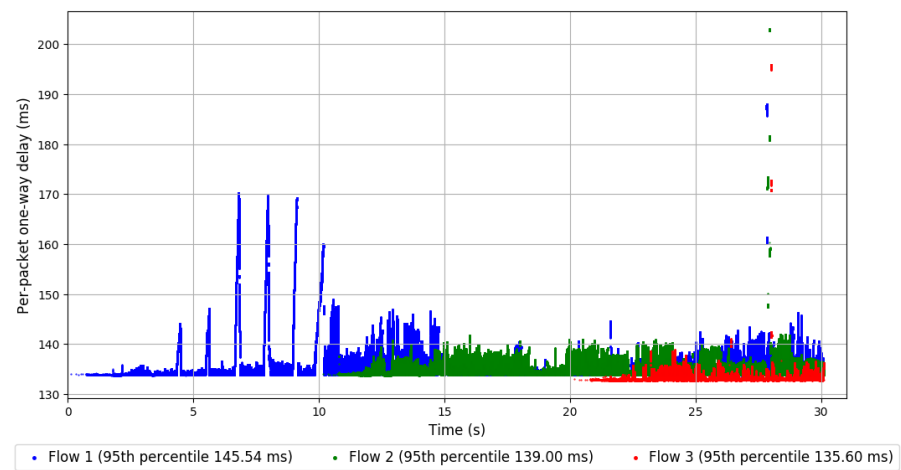
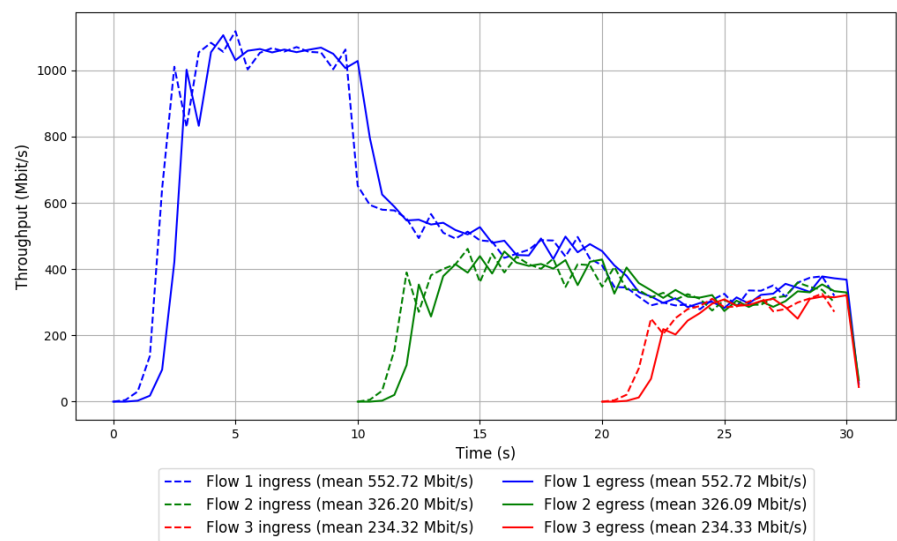


Run 2: Statistics of FillP

Start at: 2019-01-03 10:14:12
End at: 2019-01-03 10:14:42
Local clock offset: -0.495 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-01-03 13:34:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 847.53 Mbit/s
95th percentile per-packet one-way delay: 142.765 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 552.72 Mbit/s
95th percentile per-packet one-way delay: 145.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 326.09 Mbit/s
95th percentile per-packet one-way delay: 139.003 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 234.33 Mbit/s
95th percentile per-packet one-way delay: 135.602 ms
Loss rate: 0.00%

Run 2: Report of FillP — Data Link

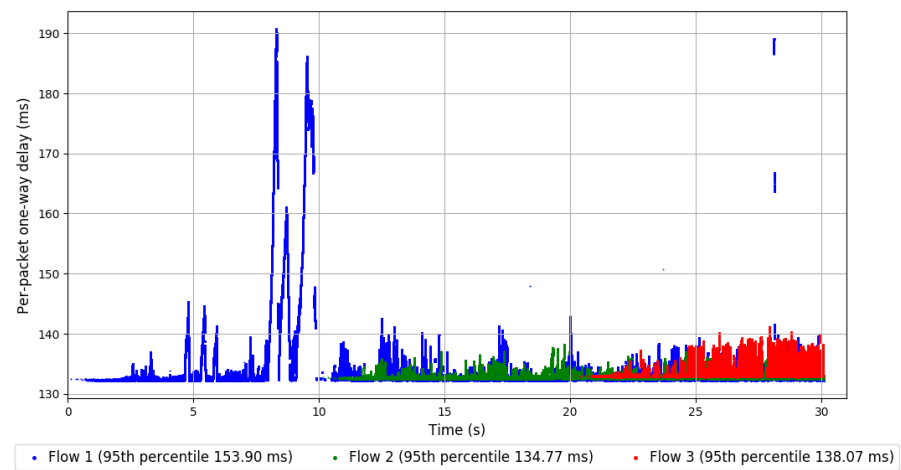
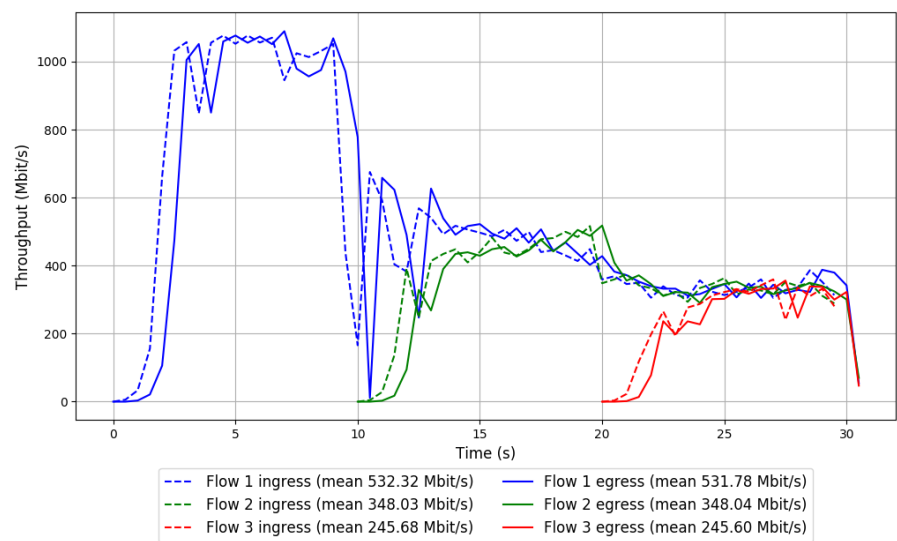


Run 3: Statistics of FillP

Start at: 2019-01-03 10:50:54
End at: 2019-01-03 10:51:24
Local clock offset: 0.139 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2019-01-03 13:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 844.16 Mbit/s
95th percentile per-packet one-way delay: 144.372 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 531.78 Mbit/s
95th percentile per-packet one-way delay: 153.903 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 348.04 Mbit/s
95th percentile per-packet one-way delay: 134.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 245.60 Mbit/s
95th percentile per-packet one-way delay: 138.069 ms
Loss rate: 0.00%

Run 3: Report of FillP — Data Link

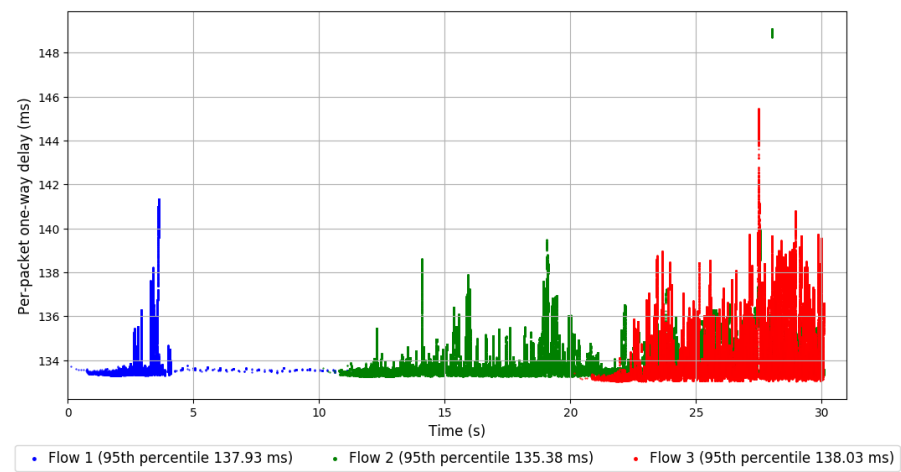
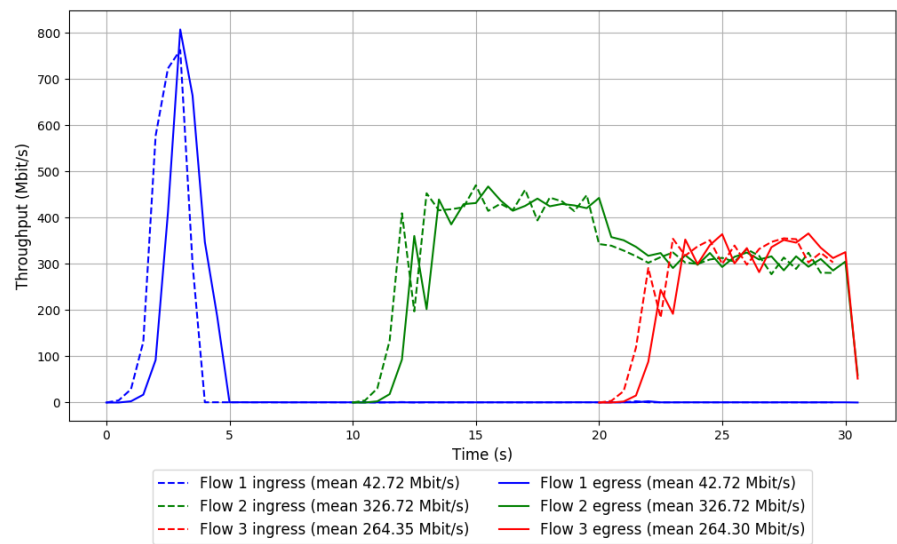


Run 4: Statistics of FillP

Start at: 2019-01-03 11:27:04
End at: 2019-01-03 11:27:34
Local clock offset: -0.125 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-01-03 13:36:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.52 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 137.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 326.72 Mbit/s
95th percentile per-packet one-way delay: 135.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 264.30 Mbit/s
95th percentile per-packet one-way delay: 138.029 ms
Loss rate: 0.00%

Run 4: Report of FillP — Data Link

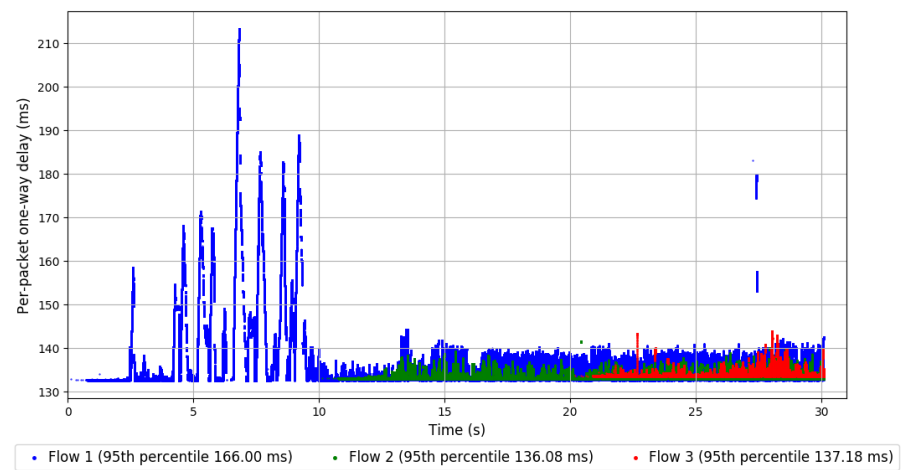
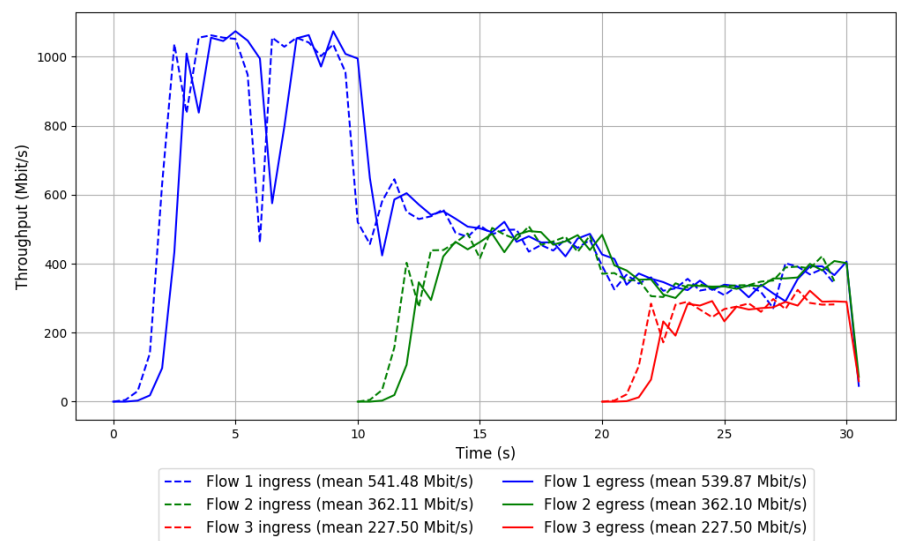


Run 5: Statistics of FillP

Start at: 2019-01-03 12:02:14
End at: 2019-01-03 12:02:44
Local clock offset: -0.189 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-01-03 13:38:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 856.00 Mbit/s
95th percentile per-packet one-way delay: 158.677 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 539.87 Mbit/s
95th percentile per-packet one-way delay: 165.995 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 362.10 Mbit/s
95th percentile per-packet one-way delay: 136.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 227.50 Mbit/s
95th percentile per-packet one-way delay: 137.184 ms
Loss rate: 0.00%

Run 5: Report of FillP — Data Link

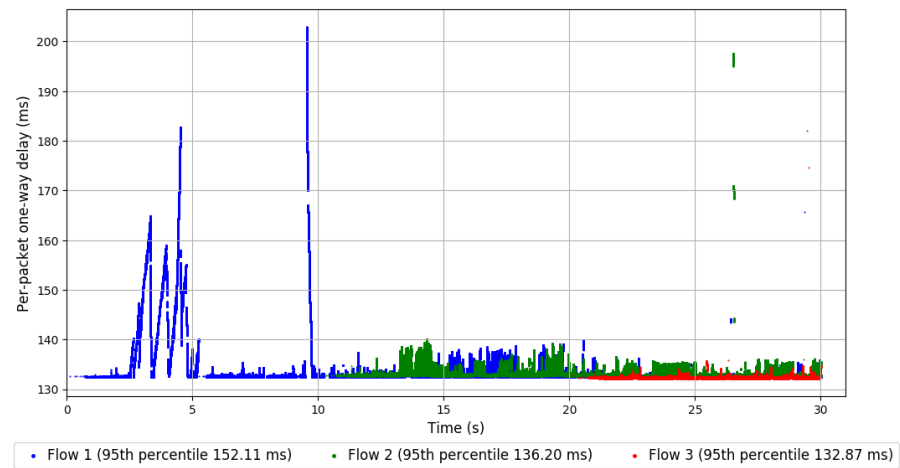
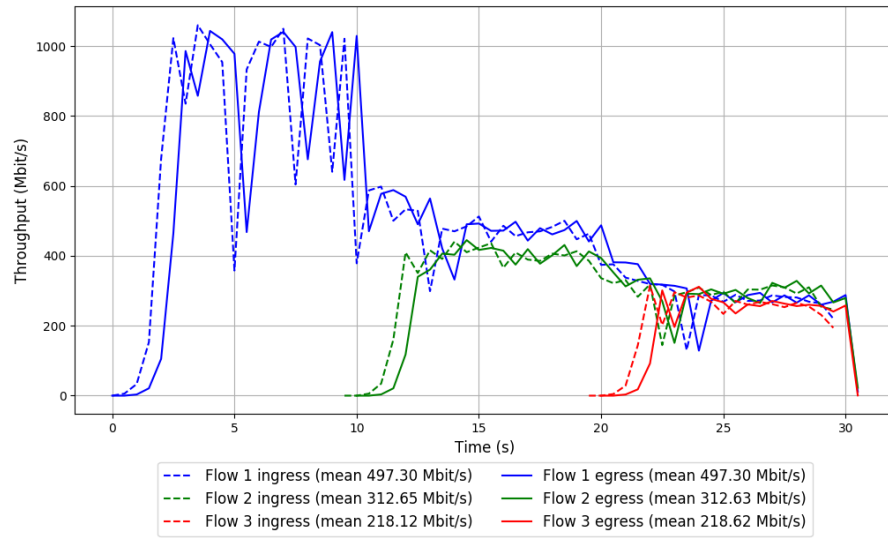


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-03 09:42:18
End at: 2019-01-03 09:42:48
Local clock offset: 0.089 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2019-01-03 13:38:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 777.77 Mbit/s
95th percentile per-packet one-way delay: 147.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 497.30 Mbit/s
95th percentile per-packet one-way delay: 152.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 312.63 Mbit/s
95th percentile per-packet one-way delay: 136.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 218.62 Mbit/s
95th percentile per-packet one-way delay: 132.866 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

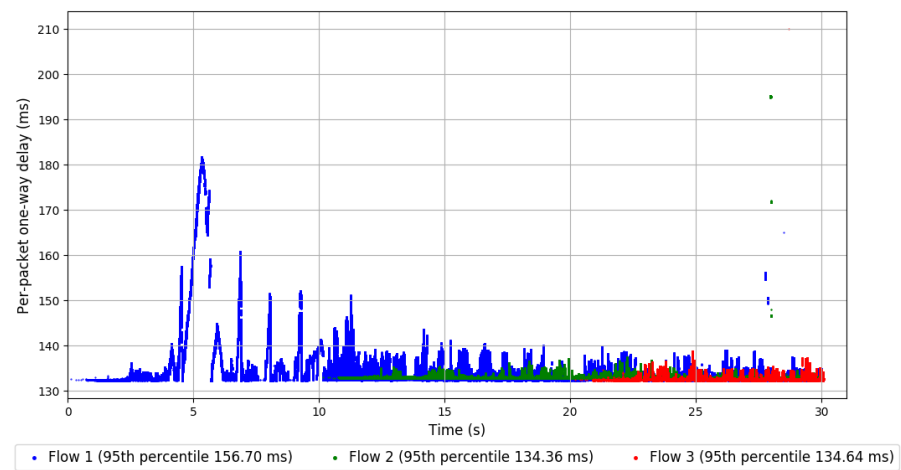
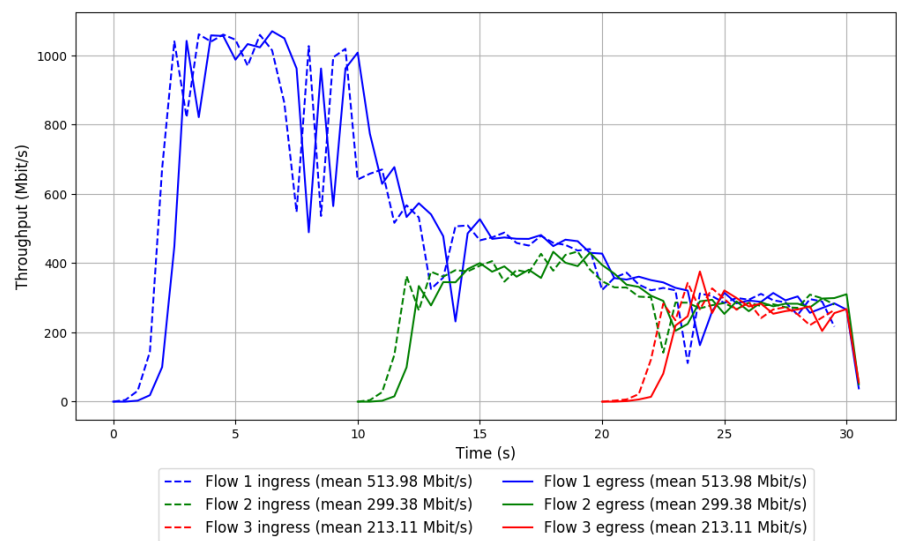


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-03 10:18:22
End at: 2019-01-03 10:18:52
Local clock offset: 0.008 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2019-01-03 13:39:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 783.27 Mbit/s
95th percentile per-packet one-way delay: 149.152 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 513.98 Mbit/s
95th percentile per-packet one-way delay: 156.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 299.38 Mbit/s
95th percentile per-packet one-way delay: 134.356 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 213.11 Mbit/s
95th percentile per-packet one-way delay: 134.639 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

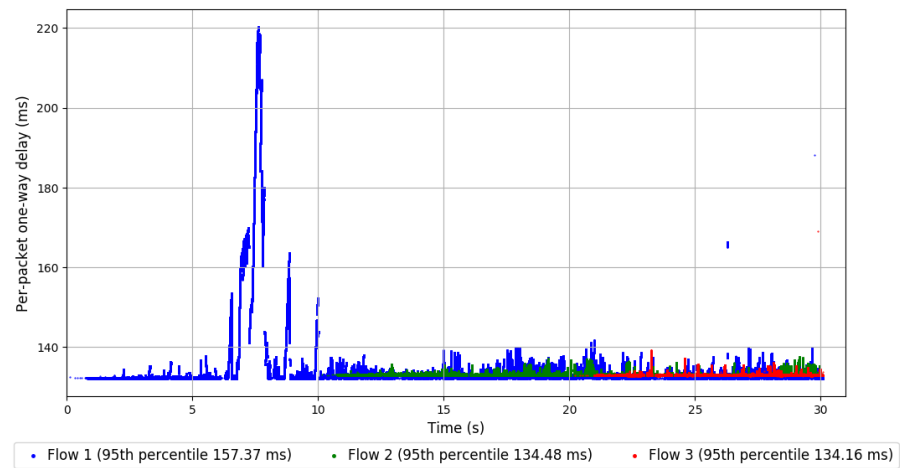
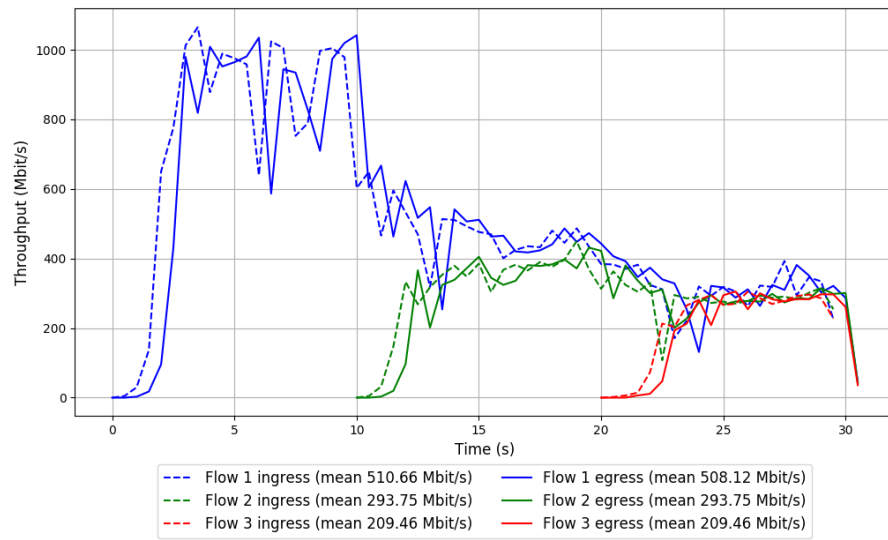


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-03 10:55:01
End at: 2019-01-03 10:55:31
Local clock offset: -0.1 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-01-03 13:41:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 772.39 Mbit/s
95th percentile per-packet one-way delay: 144.618 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 508.12 Mbit/s
95th percentile per-packet one-way delay: 157.373 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 293.75 Mbit/s
95th percentile per-packet one-way delay: 134.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 209.46 Mbit/s
95th percentile per-packet one-way delay: 134.156 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

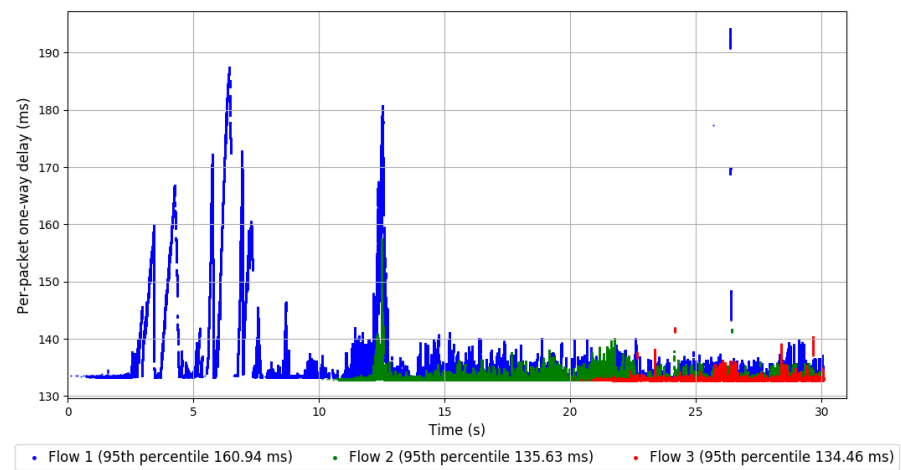
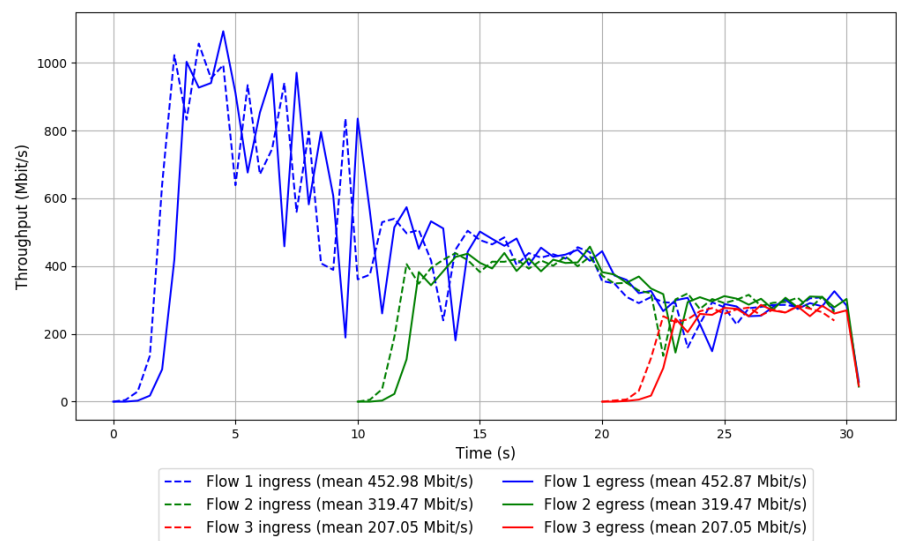


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-03 11:30:41
End at: 2019-01-03 11:31:11
Local clock offset: -0.081 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-01-03 13:44:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 733.87 Mbit/s
95th percentile per-packet one-way delay: 155.670 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 452.87 Mbit/s
95th percentile per-packet one-way delay: 160.940 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 319.47 Mbit/s
95th percentile per-packet one-way delay: 135.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 207.05 Mbit/s
95th percentile per-packet one-way delay: 134.455 ms
Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

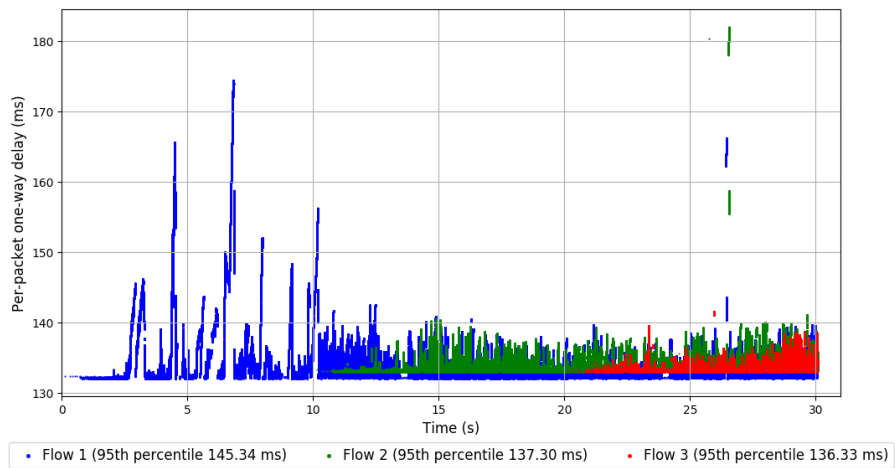
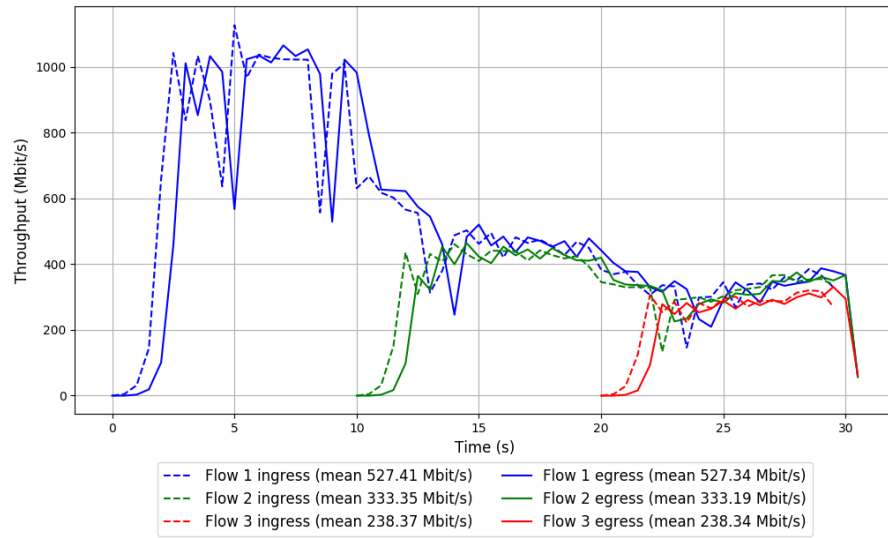


Run 5: Statistics of FillP-Sheep

Start at: 2019-01-03 12:06:19
End at: 2019-01-03 12:06:49
Local clock offset: 0.143 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-01-03 13:48:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.59 Mbit/s
95th percentile per-packet one-way delay: 142.589 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 527.34 Mbit/s
95th percentile per-packet one-way delay: 145.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 333.19 Mbit/s
95th percentile per-packet one-way delay: 137.297 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 238.34 Mbit/s
95th percentile per-packet one-way delay: 136.327 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

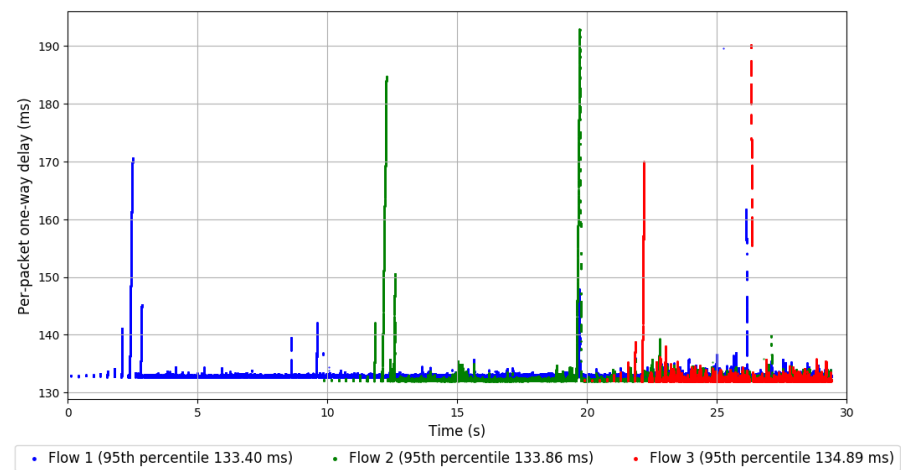
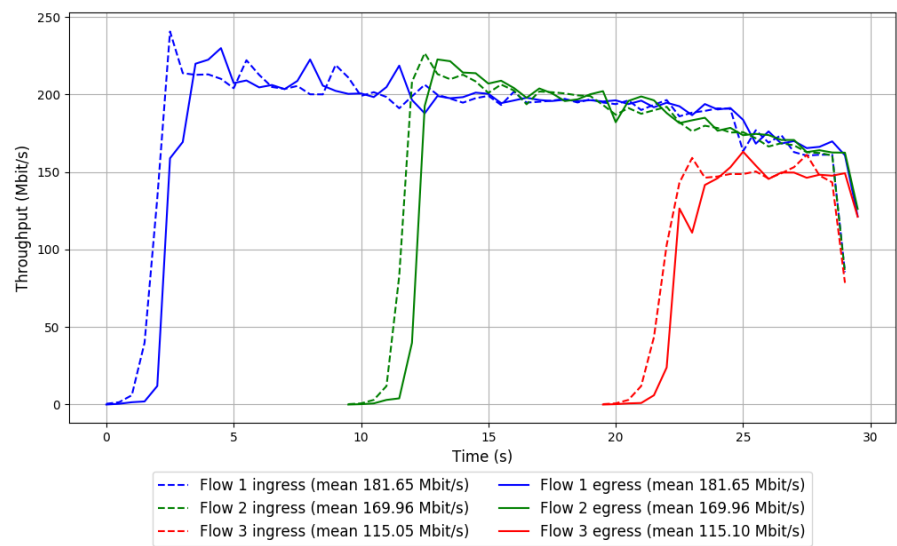


Run 1: Statistics of Indigo

Start at: 2019-01-03 09:44:21
End at: 2019-01-03 09:44:51
Local clock offset: -0.154 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-01-03 13:49:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.38 Mbit/s
95th percentile per-packet one-way delay: 133.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.65 Mbit/s
95th percentile per-packet one-way delay: 133.398 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.96 Mbit/s
95th percentile per-packet one-way delay: 133.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.10 Mbit/s
95th percentile per-packet one-way delay: 134.889 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-03 10:20:32

End at: 2019-01-03 10:21:02

Local clock offset: -0.06 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2019-01-03 13:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.46 Mbit/s

95th percentile per-packet one-way delay: 134.575 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 180.36 Mbit/s

95th percentile per-packet one-way delay: 133.705 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 174.26 Mbit/s

95th percentile per-packet one-way delay: 135.173 ms

Loss rate: 0.00%

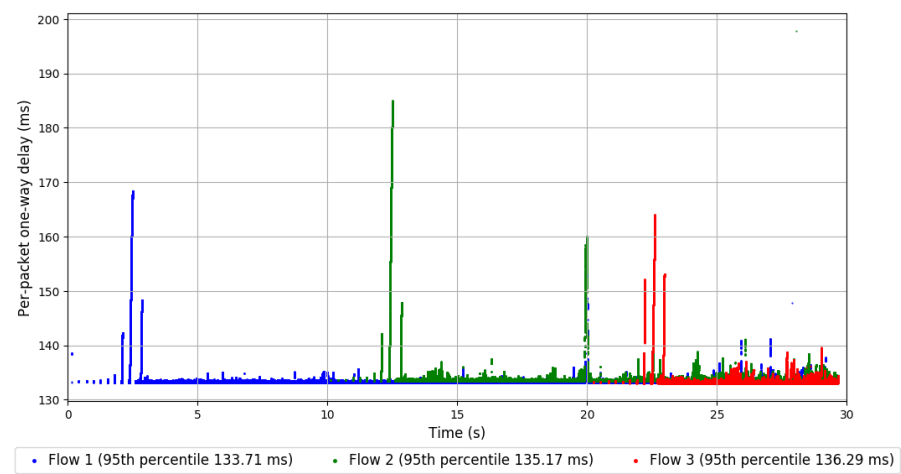
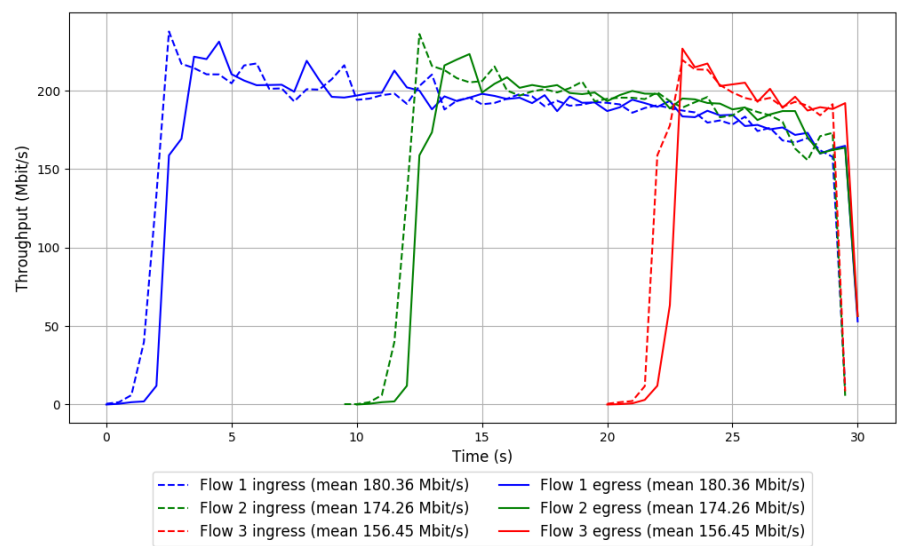
-- Flow 3:

Average throughput: 156.45 Mbit/s

95th percentile per-packet one-way delay: 136.287 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

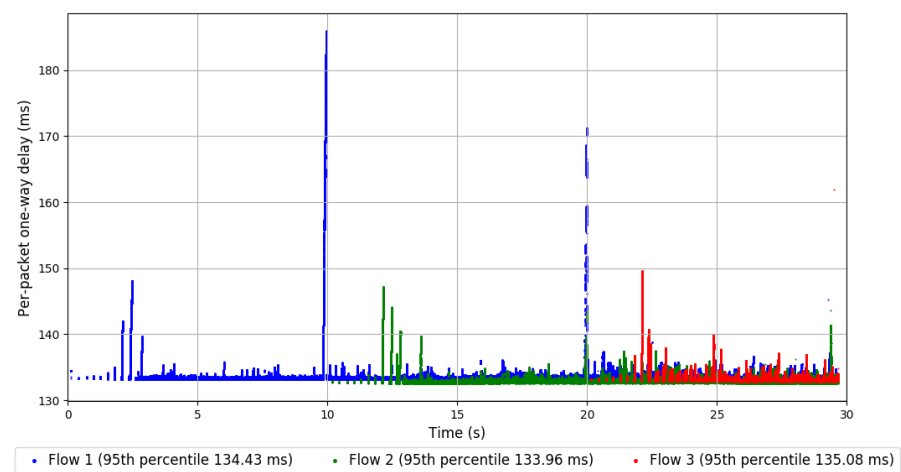
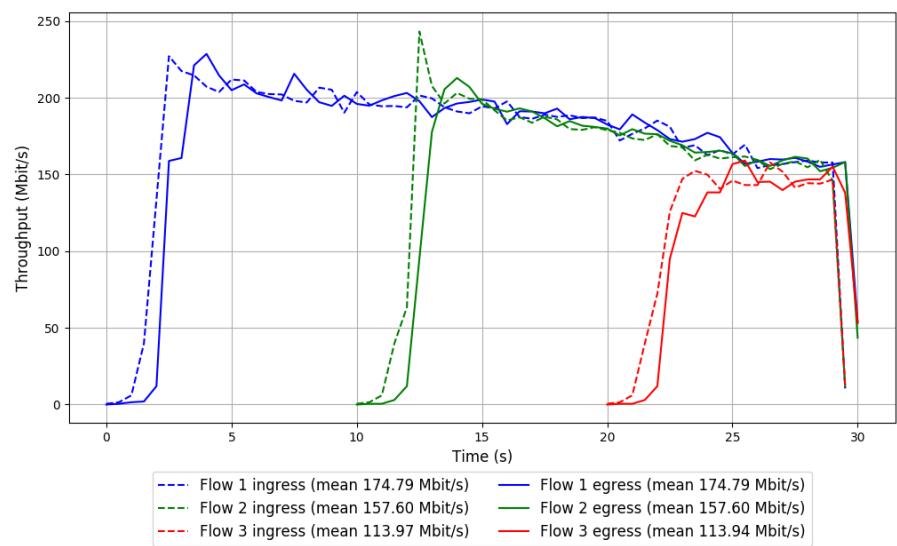


Run 3: Statistics of Indigo

Start at: 2019-01-03 10:57:00
End at: 2019-01-03 10:57:30
Local clock offset: 0.152 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-01-03 13:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.43 Mbit/s
95th percentile per-packet one-way delay: 134.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.79 Mbit/s
95th percentile per-packet one-way delay: 134.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 157.60 Mbit/s
95th percentile per-packet one-way delay: 133.962 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.94 Mbit/s
95th percentile per-packet one-way delay: 135.082 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

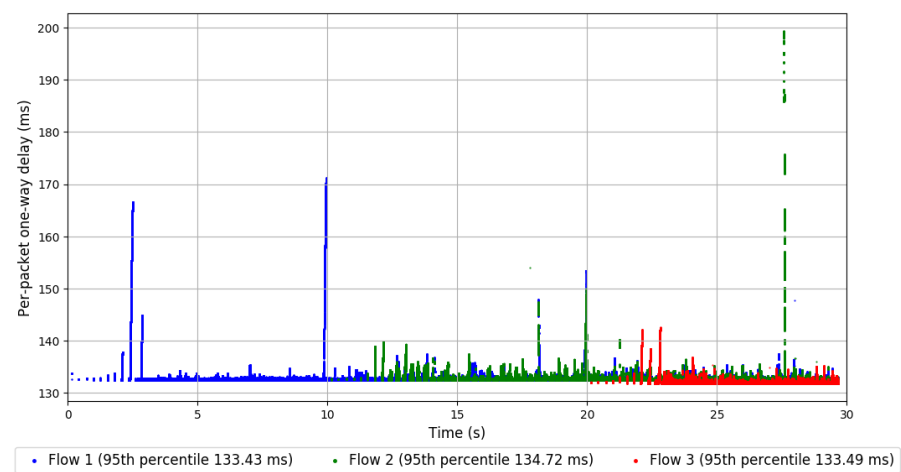
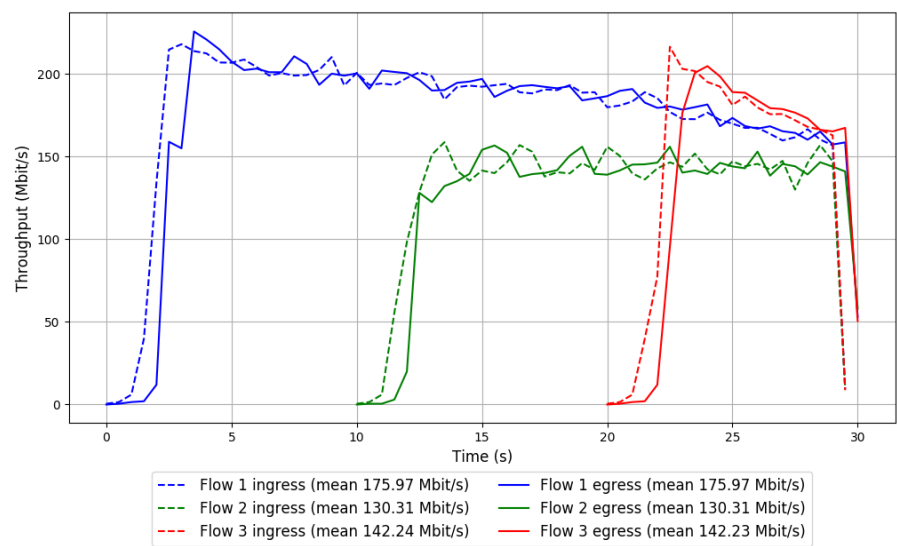


Run 4: Statistics of Indigo

Start at: 2019-01-03 11:32:37
End at: 2019-01-03 11:33:07
Local clock offset: 0.367 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2019-01-03 13:52:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.90 Mbit/s
95th percentile per-packet one-way delay: 133.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.97 Mbit/s
95th percentile per-packet one-way delay: 133.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 130.31 Mbit/s
95th percentile per-packet one-way delay: 134.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.23 Mbit/s
95th percentile per-packet one-way delay: 133.489 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

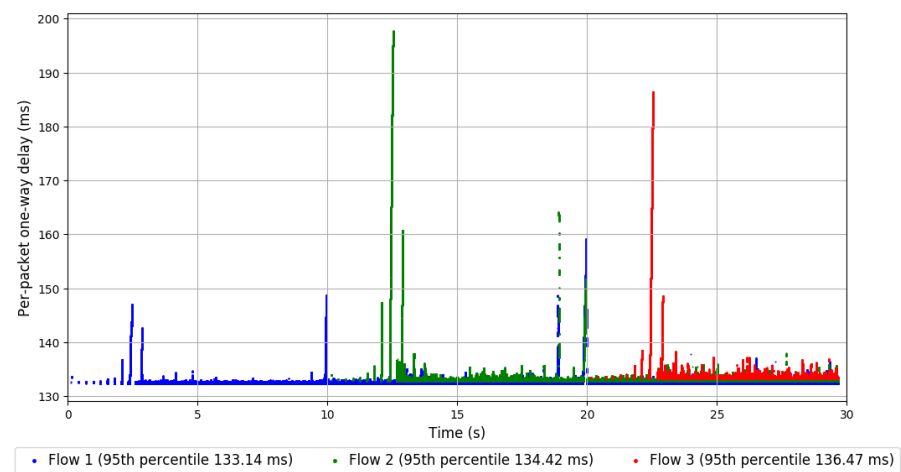
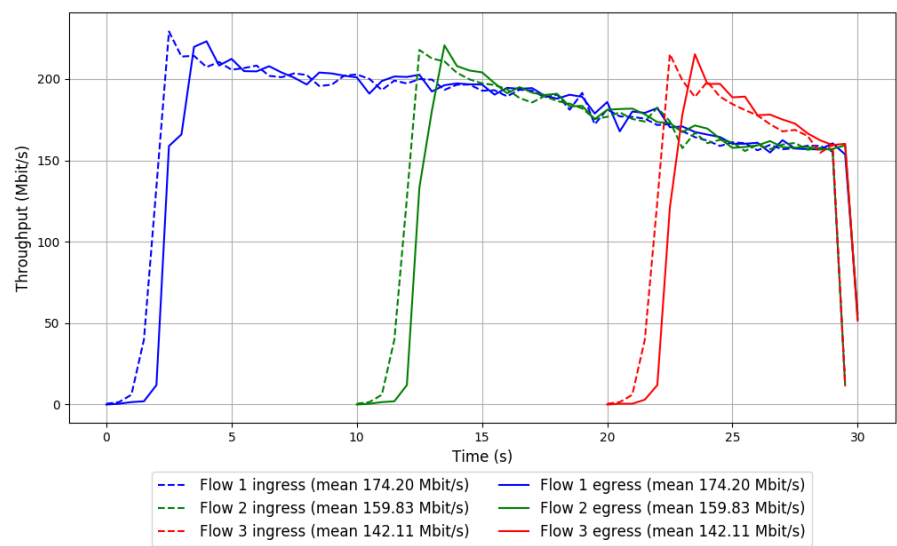


Run 5: Statistics of Indigo

Start at: 2019-01-03 12:08:19
End at: 2019-01-03 12:08:49
Local clock offset: -0.142 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-01-03 13:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.71 Mbit/s
95th percentile per-packet one-way delay: 134.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.20 Mbit/s
95th percentile per-packet one-way delay: 133.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.83 Mbit/s
95th percentile per-packet one-way delay: 134.423 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.11 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

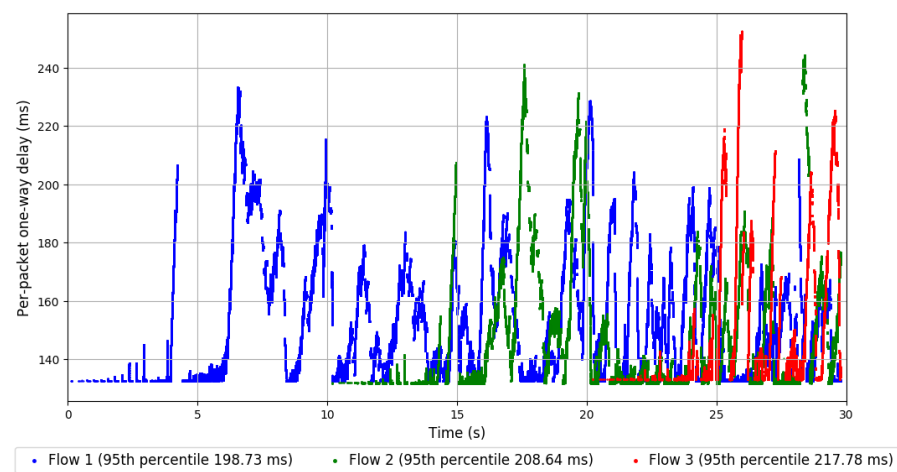
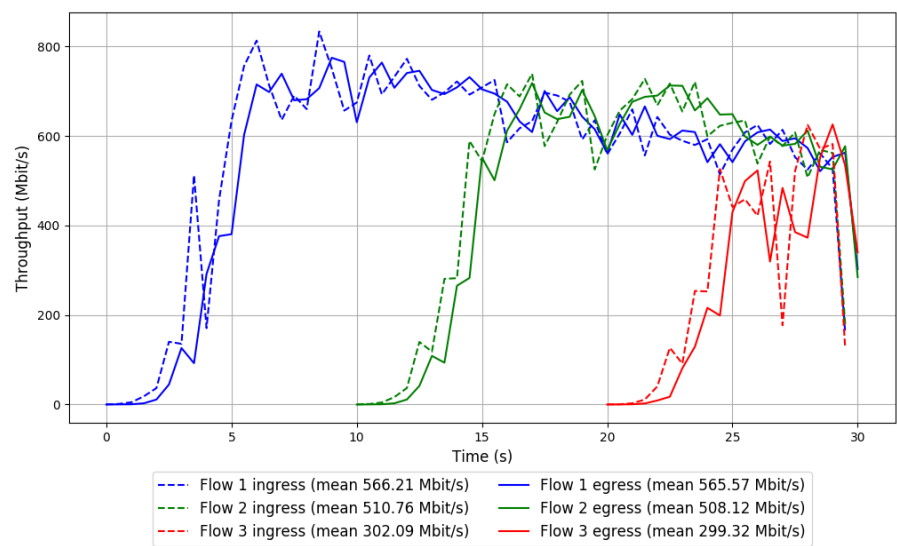


Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-03 09:32:28
End at: 2019-01-03 09:32:58
Local clock offset: 0.076 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-01-03 14:04:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 997.90 Mbit/s
95th percentile per-packet one-way delay: 205.389 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 565.57 Mbit/s
95th percentile per-packet one-way delay: 198.732 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 508.12 Mbit/s
95th percentile per-packet one-way delay: 208.642 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 299.32 Mbit/s
95th percentile per-packet one-way delay: 217.777 ms
Loss rate: 0.93%

Run 1: Report of Indigo-MusesD — Data Link

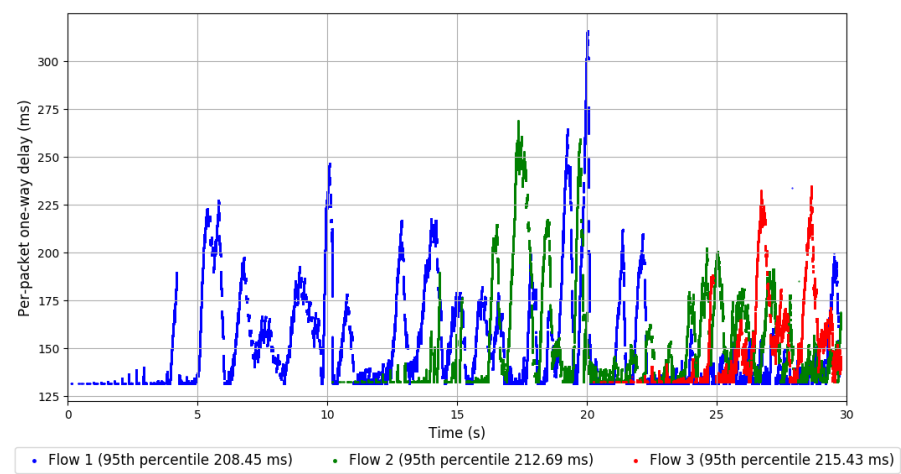
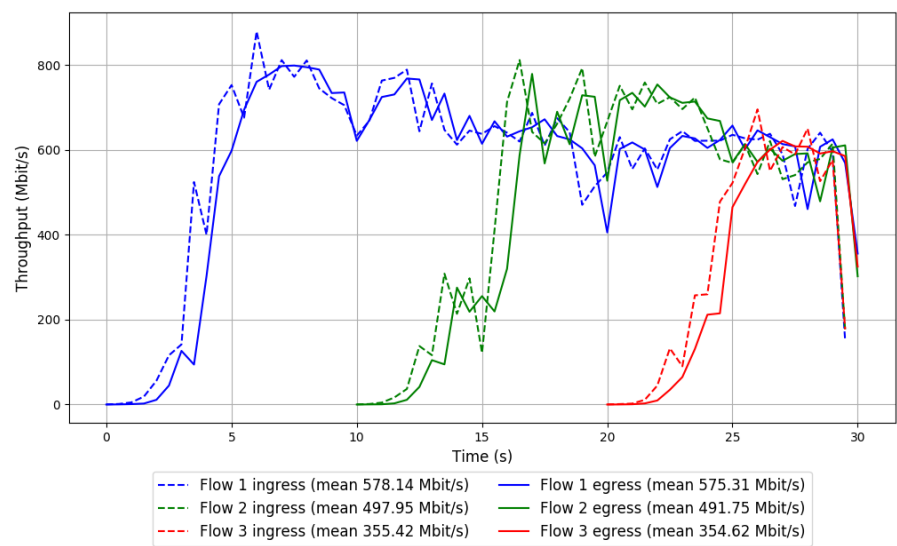


Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-03 10:08:16
End at: 2019-01-03 10:08:46
Local clock offset: 0.337 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-01-03 14:09:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1014.54 Mbit/s
95th percentile per-packet one-way delay: 210.892 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 575.31 Mbit/s
95th percentile per-packet one-way delay: 208.448 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 491.75 Mbit/s
95th percentile per-packet one-way delay: 212.687 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 354.62 Mbit/s
95th percentile per-packet one-way delay: 215.430 ms
Loss rate: 0.19%

Run 2: Report of Indigo-MusesD — Data Link

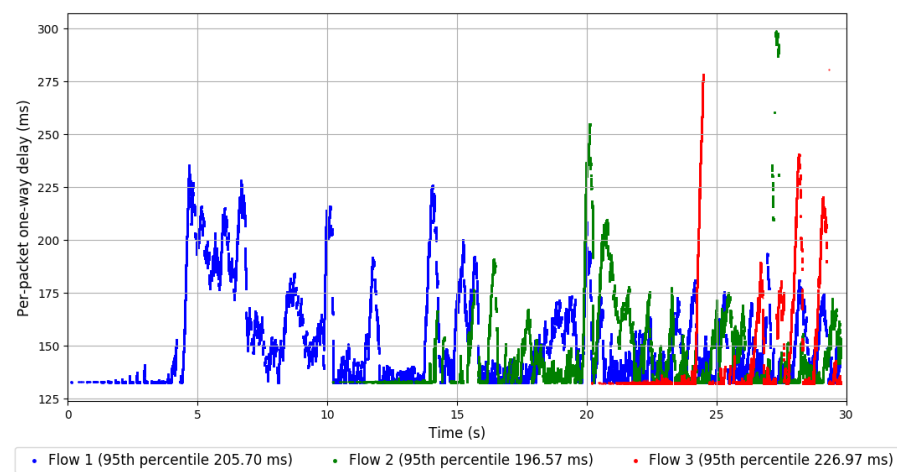
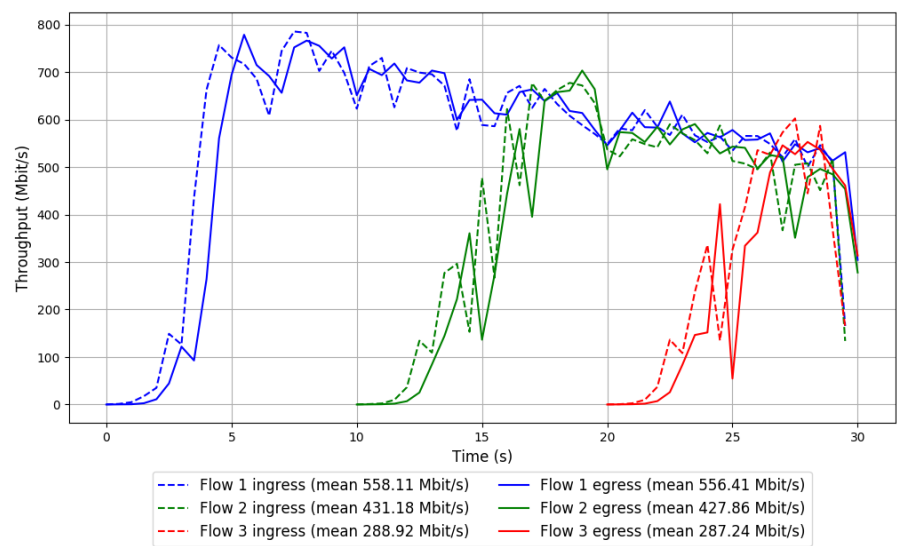


Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-03 10:45:00
End at: 2019-01-03 10:45:30
Local clock offset: -0.045 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-01-03 14:11:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 931.88 Mbit/s
95th percentile per-packet one-way delay: 206.832 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 556.41 Mbit/s
95th percentile per-packet one-way delay: 205.697 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 427.86 Mbit/s
95th percentile per-packet one-way delay: 196.575 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 287.24 Mbit/s
95th percentile per-packet one-way delay: 226.971 ms
Loss rate: 0.58%

Run 3: Report of Indigo-MusesD — Data Link

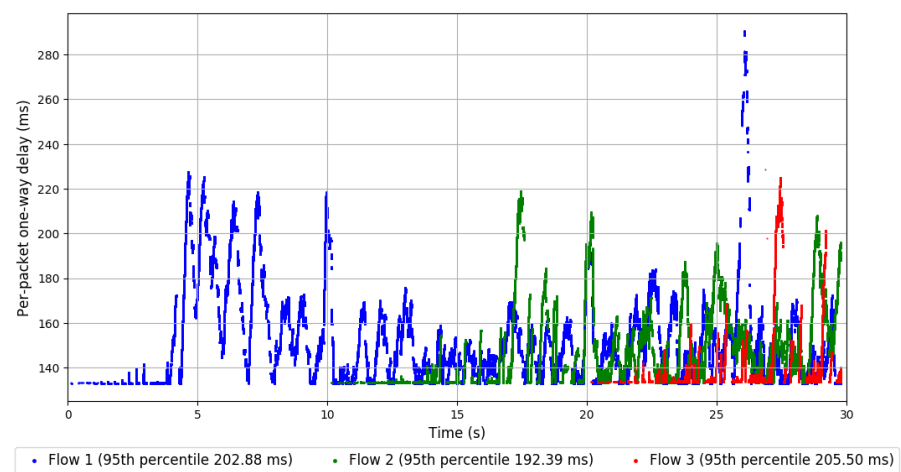
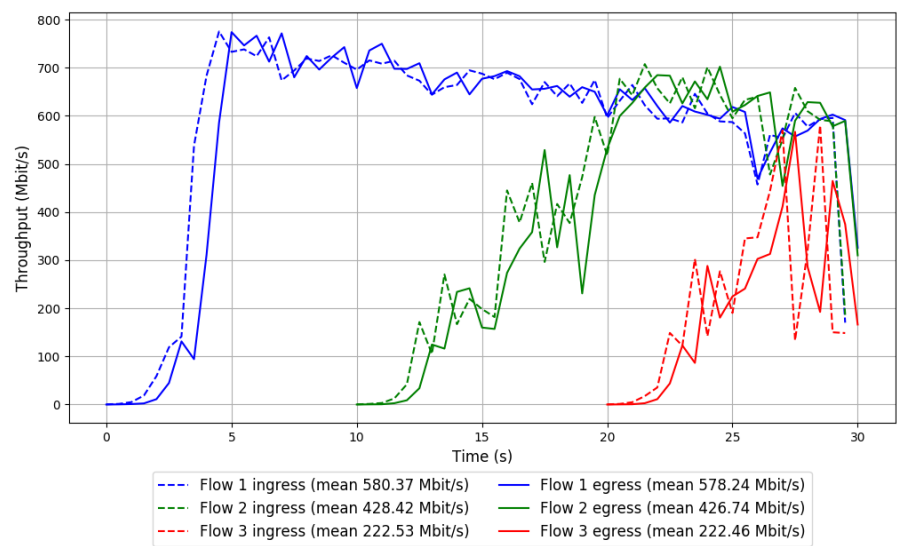


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-03 11:21:16
End at: 2019-01-03 11:21:46
Local clock offset: -0.562 ms
Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-01-03 14:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 932.94 Mbit/s
95th percentile per-packet one-way delay: 199.478 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 578.24 Mbit/s
95th percentile per-packet one-way delay: 202.881 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 426.74 Mbit/s
95th percentile per-packet one-way delay: 192.389 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 222.46 Mbit/s
95th percentile per-packet one-way delay: 205.501 ms
Loss rate: 0.02%

Run 4: Report of Indigo-MusesD — Data Link

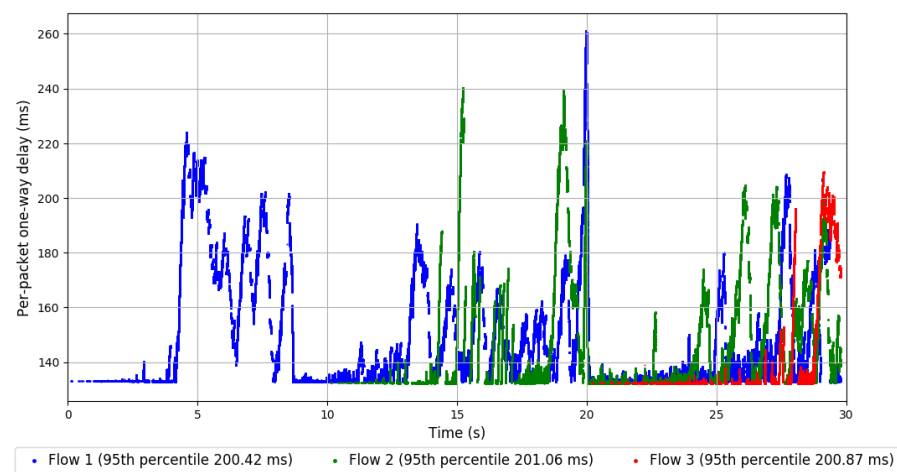
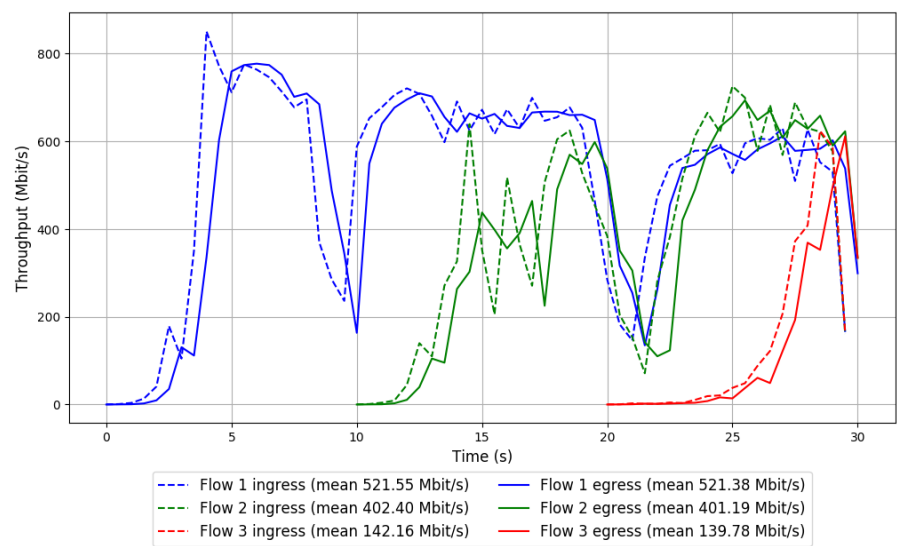


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-03 11:56:39
End at: 2019-01-03 11:57:09
Local clock offset: 0.288 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-01-03 14:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 832.34 Mbit/s
95th percentile per-packet one-way delay: 200.654 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 521.38 Mbit/s
95th percentile per-packet one-way delay: 200.416 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 401.19 Mbit/s
95th percentile per-packet one-way delay: 201.060 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 139.78 Mbit/s
95th percentile per-packet one-way delay: 200.866 ms
Loss rate: 1.67%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

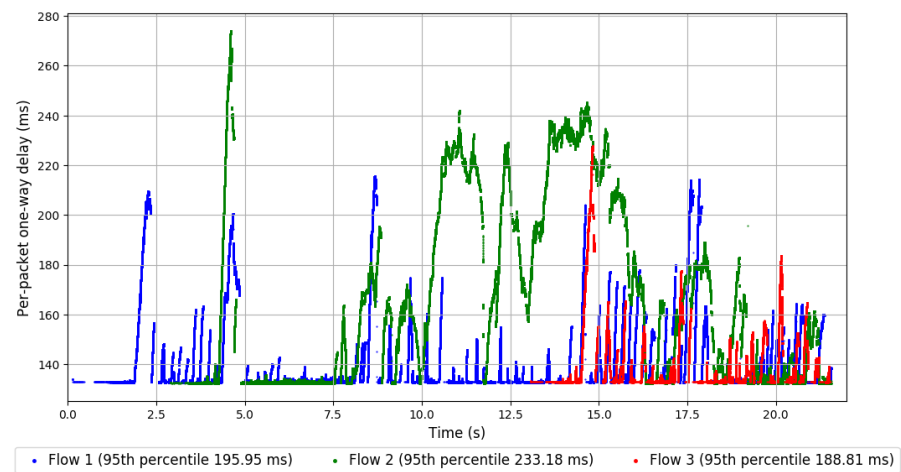
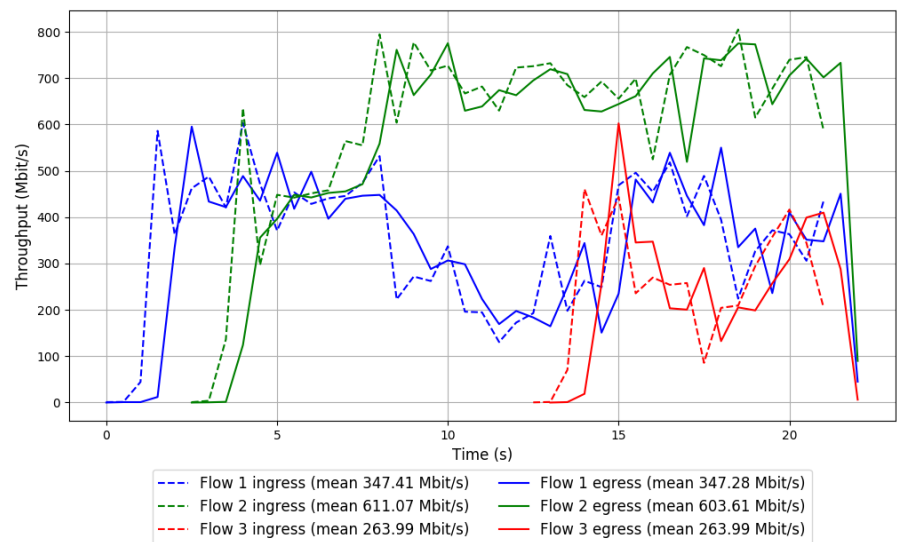
Start at: 2019-01-03 09:23:27

End at: 2019-01-03 09:23:57

Local clock offset: -0.206 ms

Remote clock offset: -0.113 ms

Run 1: Report of Indigo-MusesT — Data Link

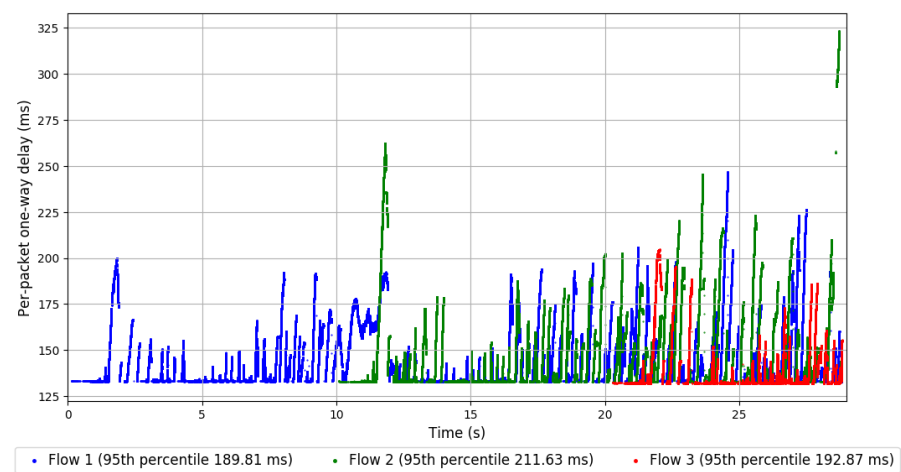
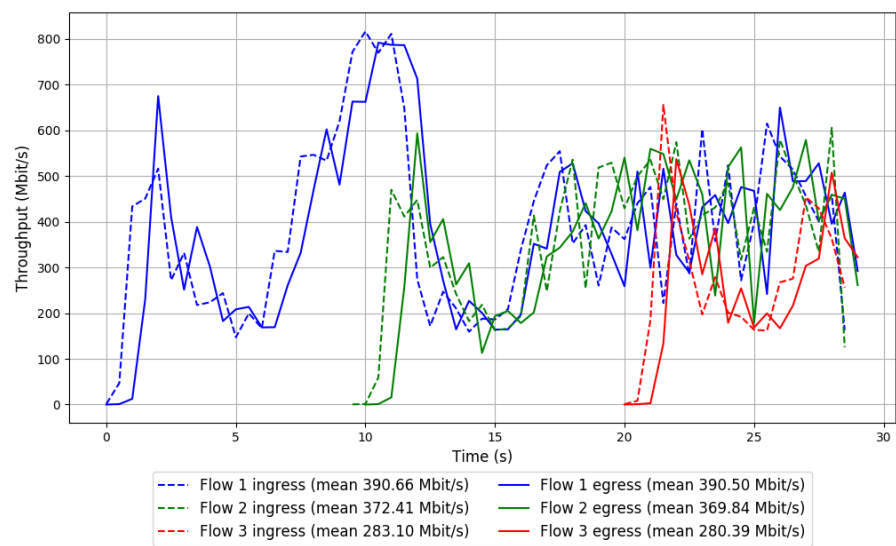


Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-03 09:59:04
End at: 2019-01-03 09:59:34
Local clock offset: -0.131 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-01-03 14:12:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 715.17 Mbit/s
95th percentile per-packet one-way delay: 196.099 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 390.50 Mbit/s
95th percentile per-packet one-way delay: 189.813 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 369.84 Mbit/s
95th percentile per-packet one-way delay: 211.626 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 280.39 Mbit/s
95th percentile per-packet one-way delay: 192.873 ms
Loss rate: 0.85%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-03 10:35:31

End at: 2019-01-03 10:36:01

Local clock offset: -0.095 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2019-01-03 14:12:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 700.25 Mbit/s

95th percentile per-packet one-way delay: 192.305 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 384.40 Mbit/s

95th percentile per-packet one-way delay: 190.600 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 360.00 Mbit/s

95th percentile per-packet one-way delay: 196.878 ms

Loss rate: 0.04%

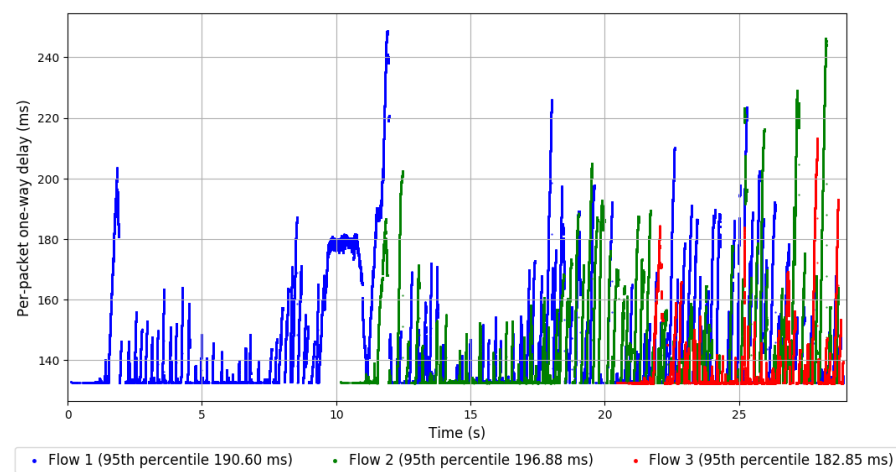
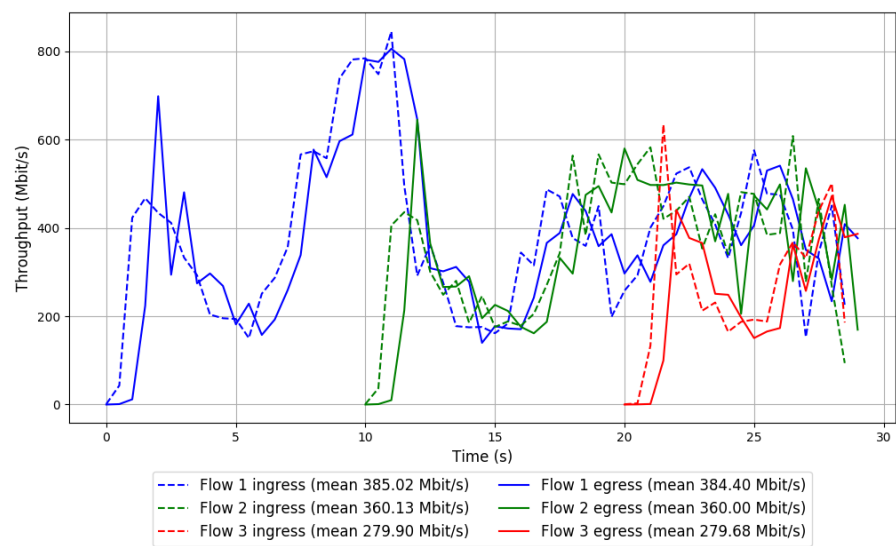
-- Flow 3:

Average throughput: 279.68 Mbit/s

95th percentile per-packet one-way delay: 182.854 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link

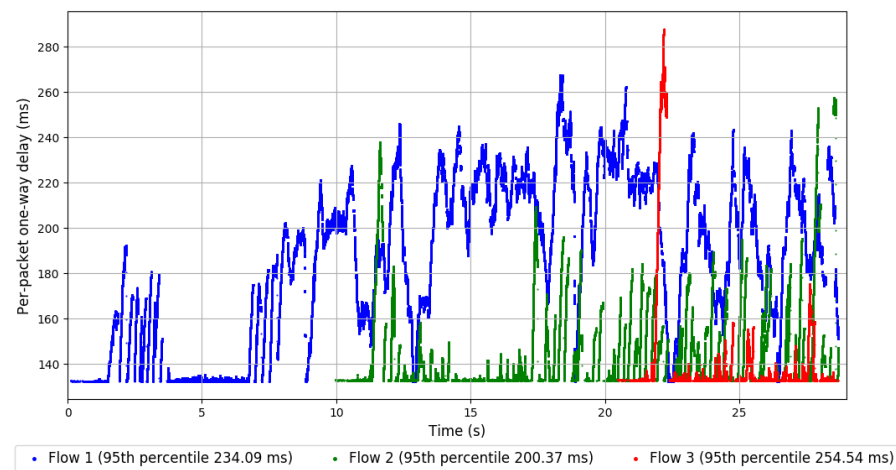
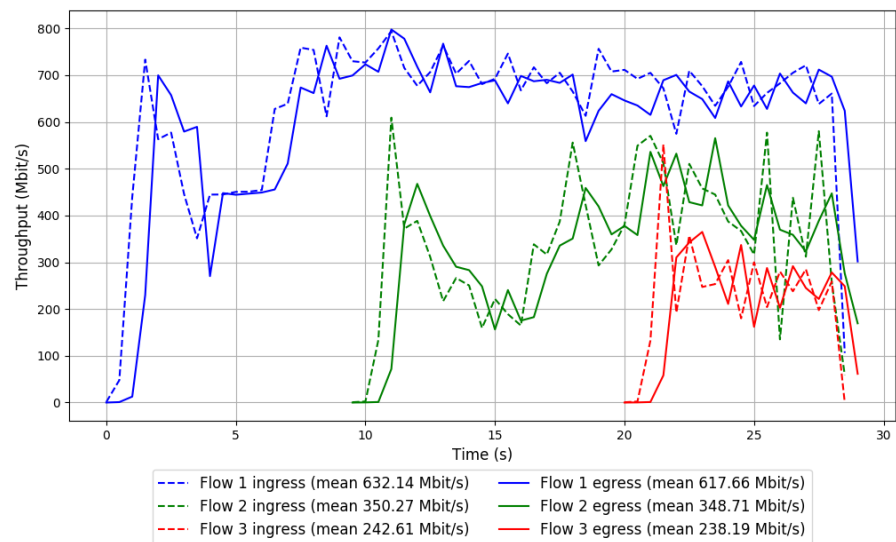


Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-03 11:12:10
End at: 2019-01-03 11:12:40
Local clock offset: 0.056 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-01-03 14:24:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 914.80 Mbit/s
95th percentile per-packet one-way delay: 232.765 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 617.66 Mbit/s
95th percentile per-packet one-way delay: 234.089 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 348.71 Mbit/s
95th percentile per-packet one-way delay: 200.369 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 238.19 Mbit/s
95th percentile per-packet one-way delay: 254.539 ms
Loss rate: 1.82%

Run 4: Report of Indigo-MusesT — Data Link

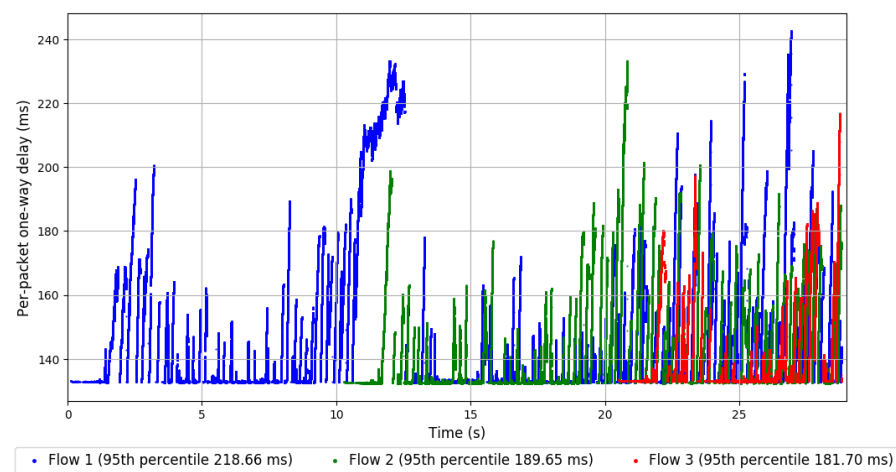
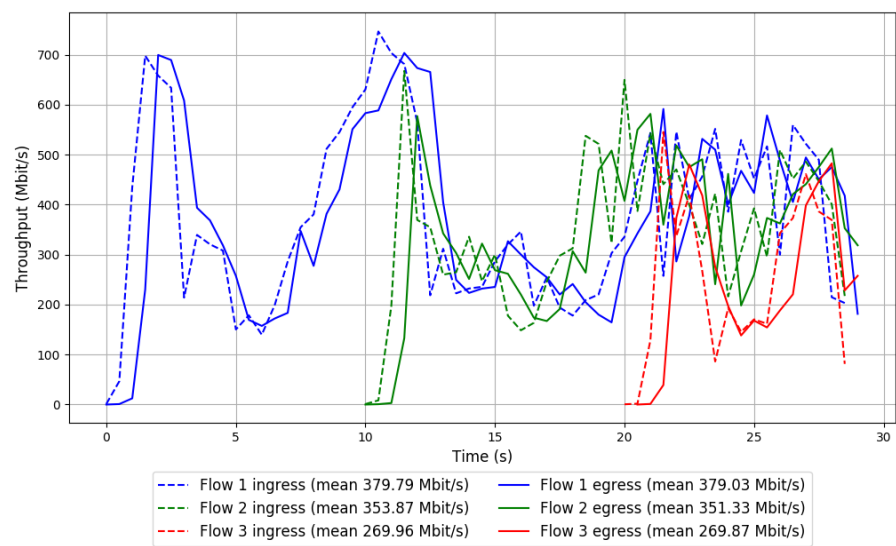


Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-03 11:47:16
End at: 2019-01-03 11:47:46
Local clock offset: 0.227 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-01-03 14:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 683.75 Mbit/s
95th percentile per-packet one-way delay: 211.004 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 379.03 Mbit/s
95th percentile per-packet one-way delay: 218.659 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 351.33 Mbit/s
95th percentile per-packet one-way delay: 189.647 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 269.87 Mbit/s
95th percentile per-packet one-way delay: 181.703 ms
Loss rate: 0.03%

Run 5: Report of Indigo-MusesT — Data Link

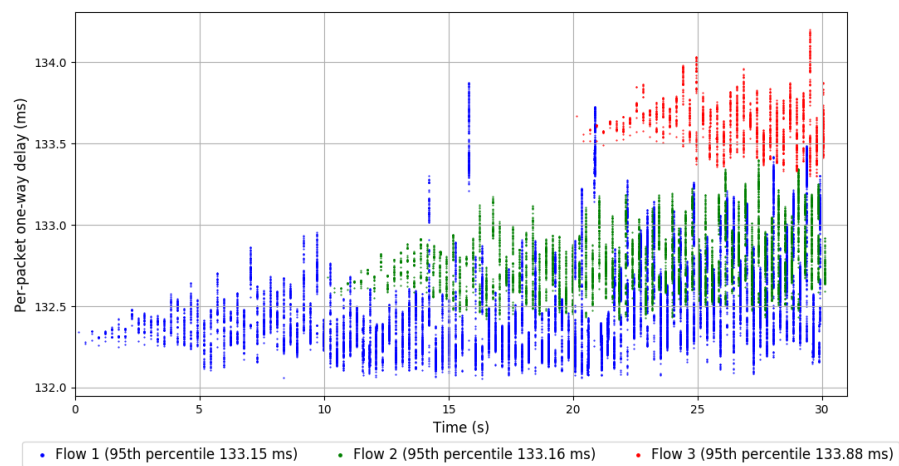
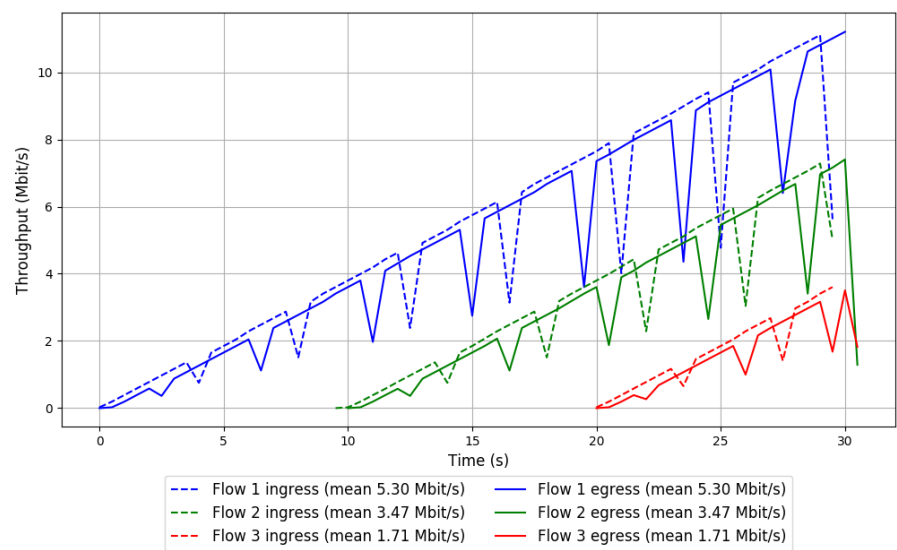



```
Run 1: Statistics of LEDBAT

Start at: 2019-01-03 09:36:55
End at: 2019-01-03 09:37:25
Local clock offset: -0.22 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-01-03 14:24:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 133.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.149 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 133.156 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 133.877 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

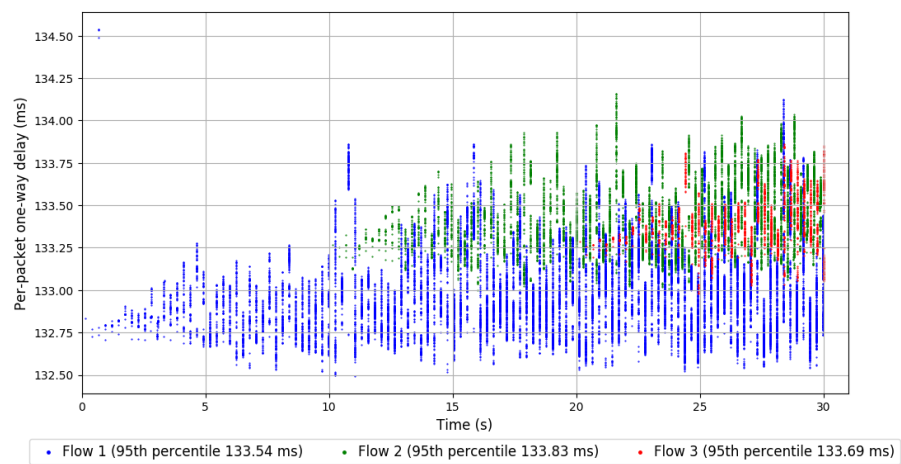
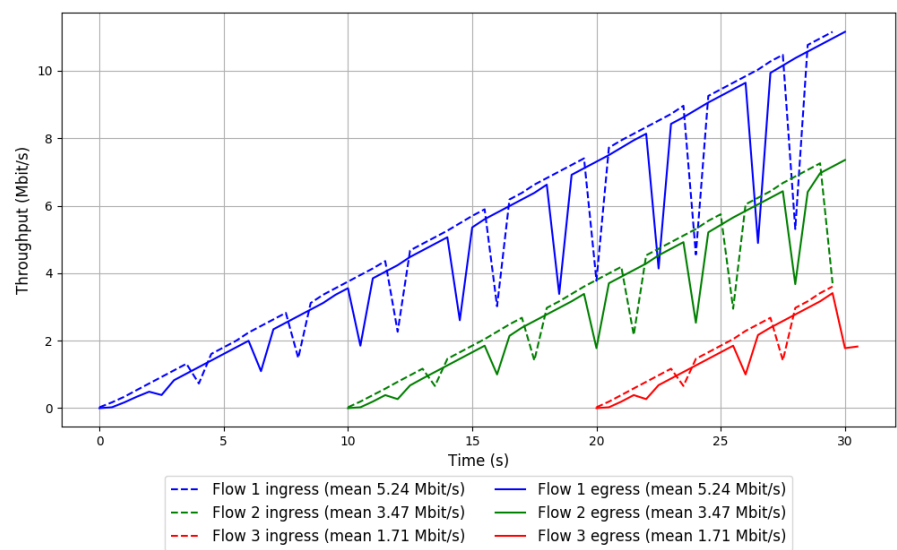


Run 2: Statistics of LEDBAT

Start at: 2019-01-03 10:12:51
End at: 2019-01-03 10:13:21
Local clock offset: 0.161 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-01-03 14:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 133.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 133.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 133.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 133.695 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

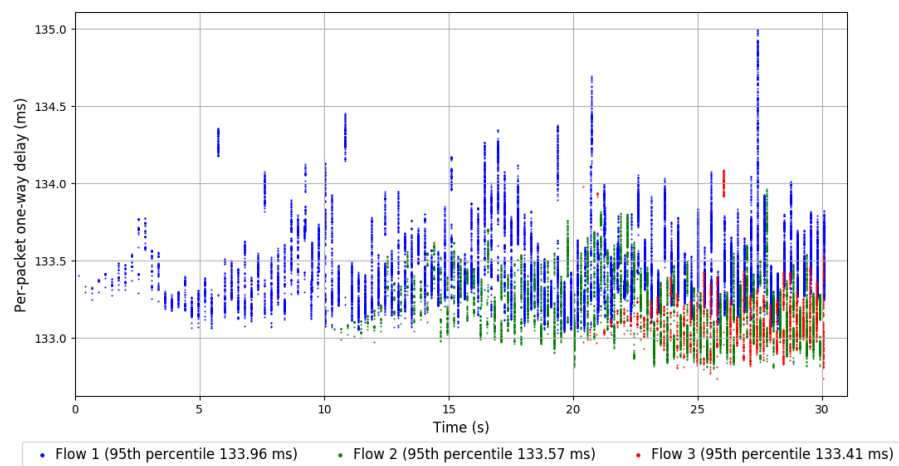
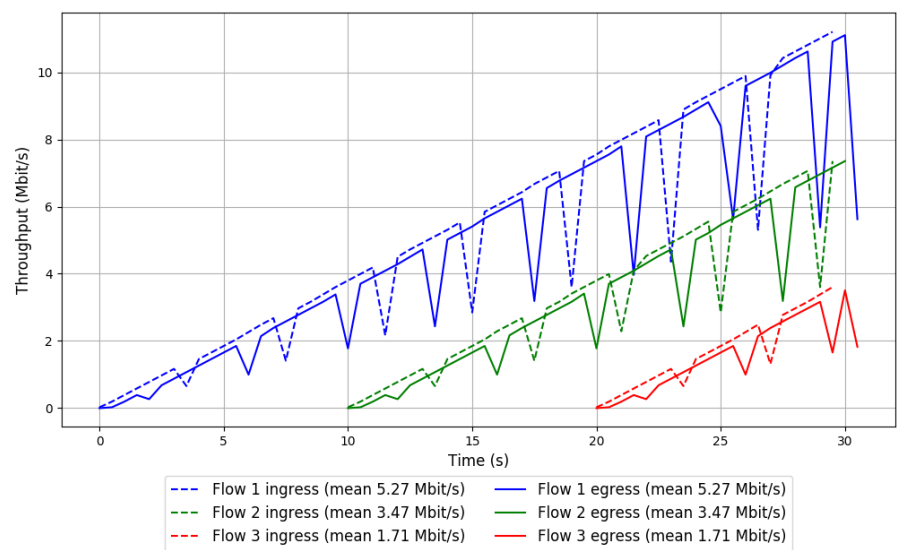


Run 3: Statistics of LEDBAT

Start at: 2019-01-03 10:49:33
End at: 2019-01-03 10:50:03
Local clock offset: -0.085 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-01-03 14:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 133.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 133.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 133.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 133.413 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

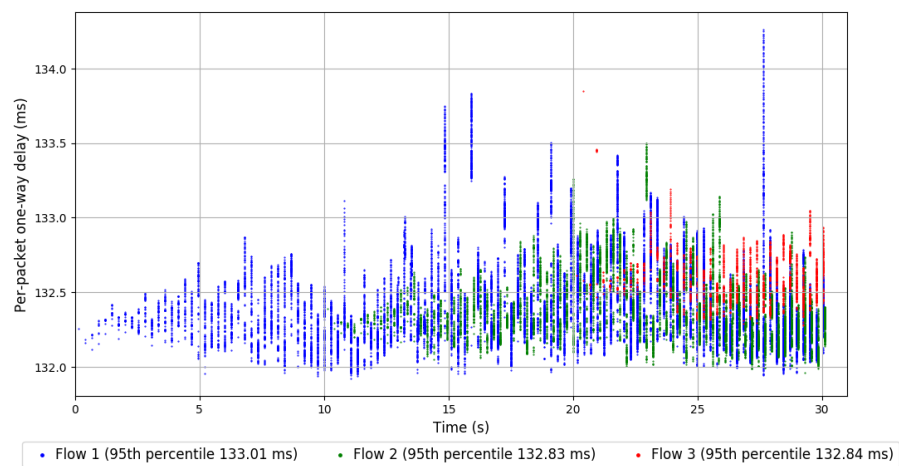
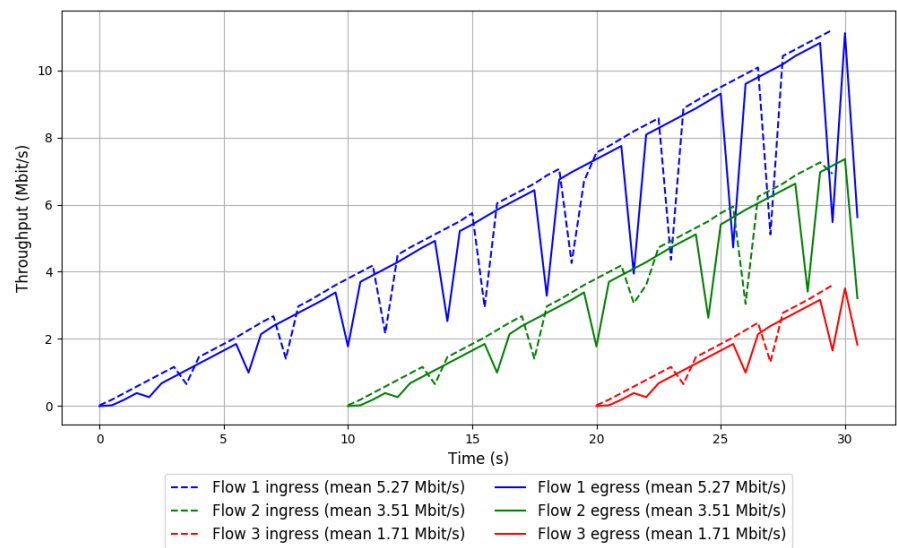


Run 4: Statistics of LEDBAT

Start at: 2019-01-03 11:25:44
End at: 2019-01-03 11:26:14
Local clock offset: 0.318 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2019-01-03 14:24:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 132.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 133.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 132.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 132.843 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-03 12:00:53

End at: 2019-01-03 12:01:23

Local clock offset: -0.376 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2019-01-03 14:24:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 134.237 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 134.333 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 134.092 ms

Loss rate: 0.00%

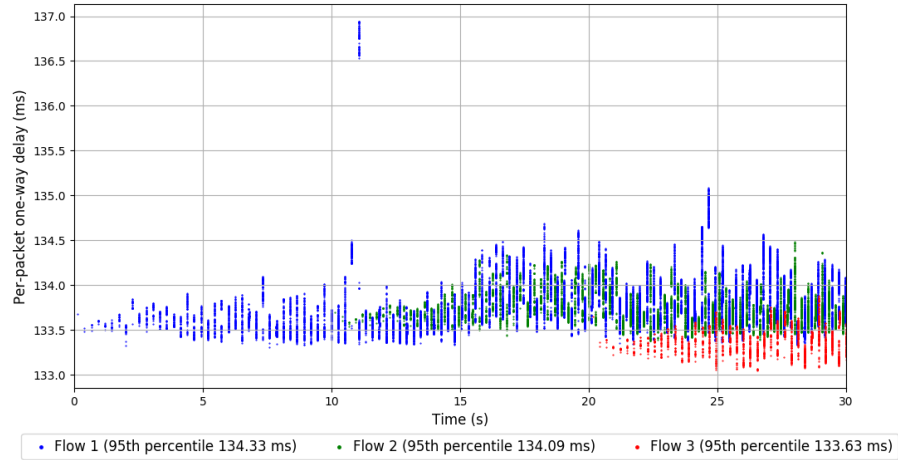
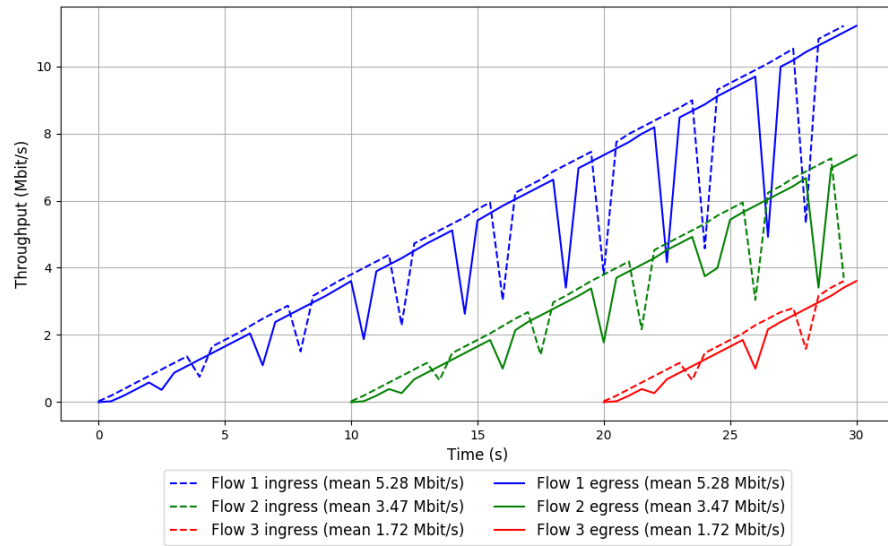
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 133.629 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

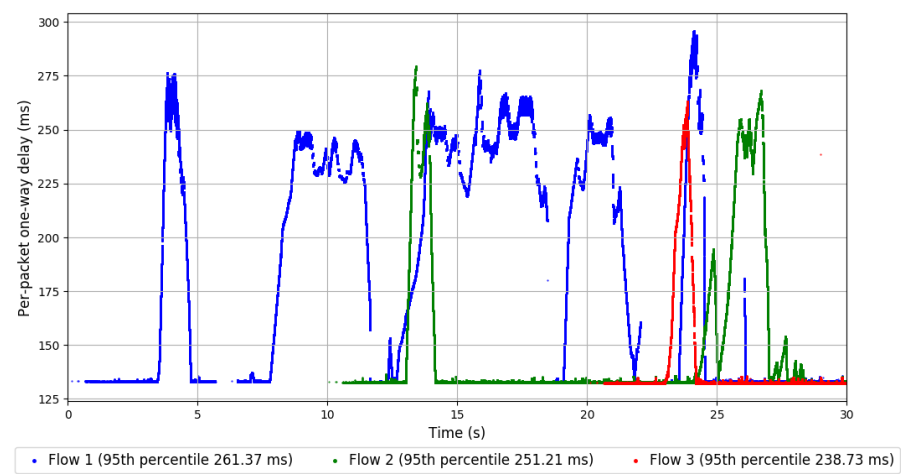
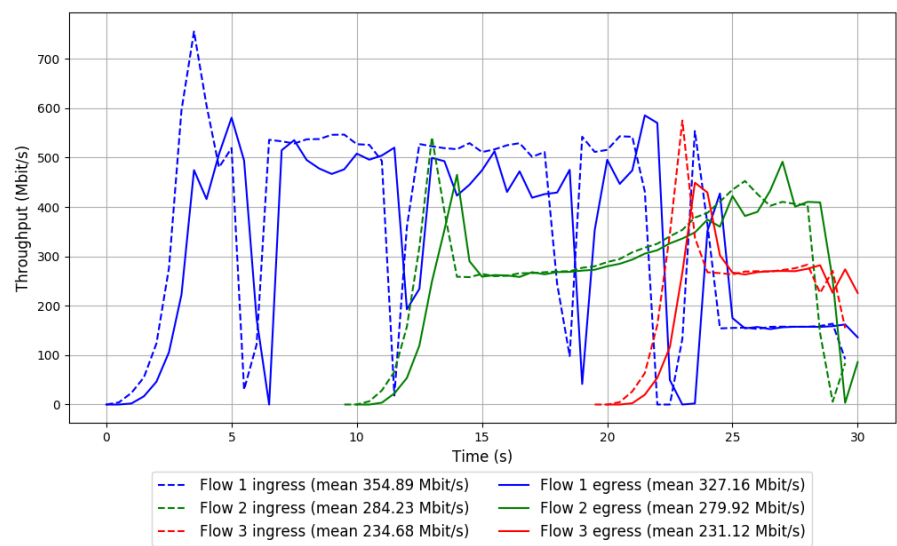


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-03 09:34:48
End at: 2019-01-03 09:35:18
Local clock offset: -0.218 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2019-01-03 14:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 589.89 Mbit/s
95th percentile per-packet one-way delay: 257.634 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 327.16 Mbit/s
95th percentile per-packet one-way delay: 261.365 ms
Loss rate: 7.81%
-- Flow 2:
Average throughput: 279.92 Mbit/s
95th percentile per-packet one-way delay: 251.210 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 231.12 Mbit/s
95th percentile per-packet one-way delay: 238.731 ms
Loss rate: 1.52%
```

Run 1: Report of PCC-Allegro — Data Link

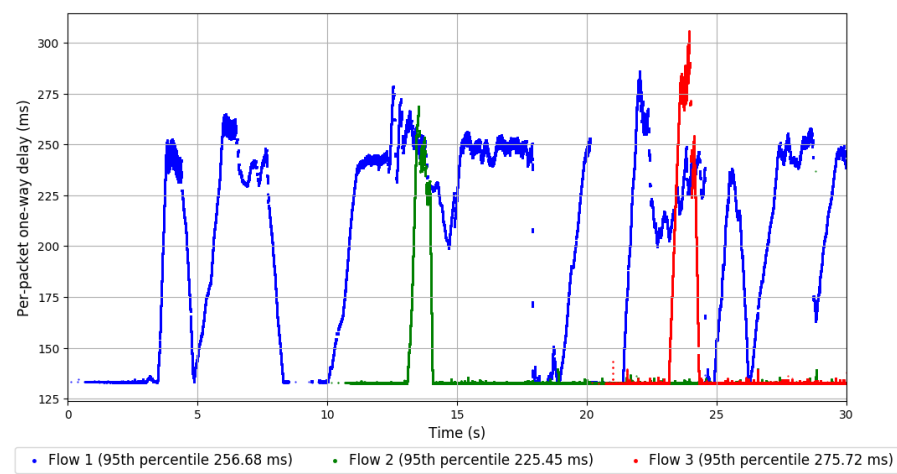
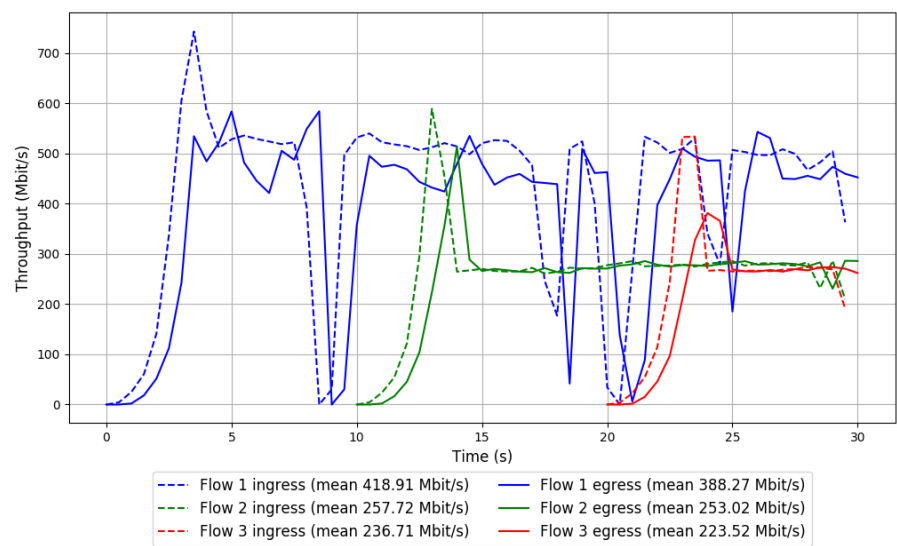


Run 2: Statistics of PCC-Allegro

Start at: 2019-01-03 10:10:41
End at: 2019-01-03 10:11:11
Local clock offset: 0.07 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-01-03 14:39:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 629.82 Mbit/s
95th percentile per-packet one-way delay: 254.795 ms
Loss rate: 5.70%
-- Flow 1:
Average throughput: 388.27 Mbit/s
95th percentile per-packet one-way delay: 256.684 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 253.02 Mbit/s
95th percentile per-packet one-way delay: 225.450 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 223.52 Mbit/s
95th percentile per-packet one-way delay: 275.721 ms
Loss rate: 5.53%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-03 10:47:18

End at: 2019-01-03 10:47:48

Local clock offset: 0.104 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2019-01-03 14:43:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 699.95 Mbit/s

95th percentile per-packet one-way delay: 274.827 ms

Loss rate: 6.14%

-- Flow 1:

Average throughput: 381.81 Mbit/s

95th percentile per-packet one-way delay: 281.337 ms

Loss rate: 8.81%

-- Flow 2:

Average throughput: 368.16 Mbit/s

95th percentile per-packet one-way delay: 267.451 ms

Loss rate: 3.24%

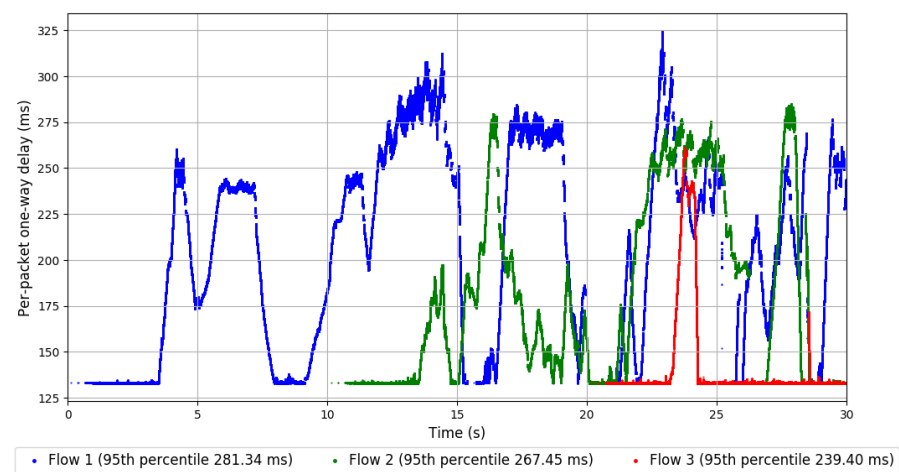
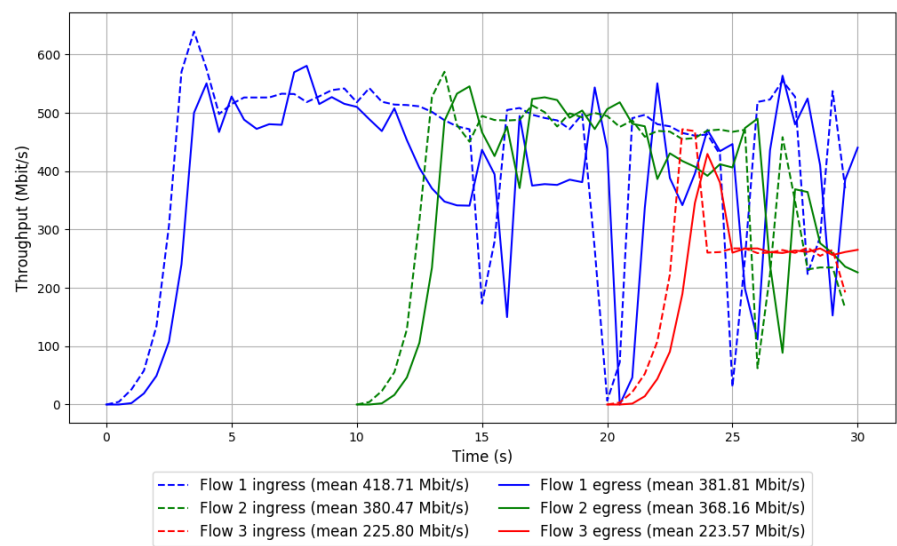
-- Flow 3:

Average throughput: 223.57 Mbit/s

95th percentile per-packet one-way delay: 239.402 ms

Loss rate: 0.99%

Run 3: Report of PCC-Allegro — Data Link

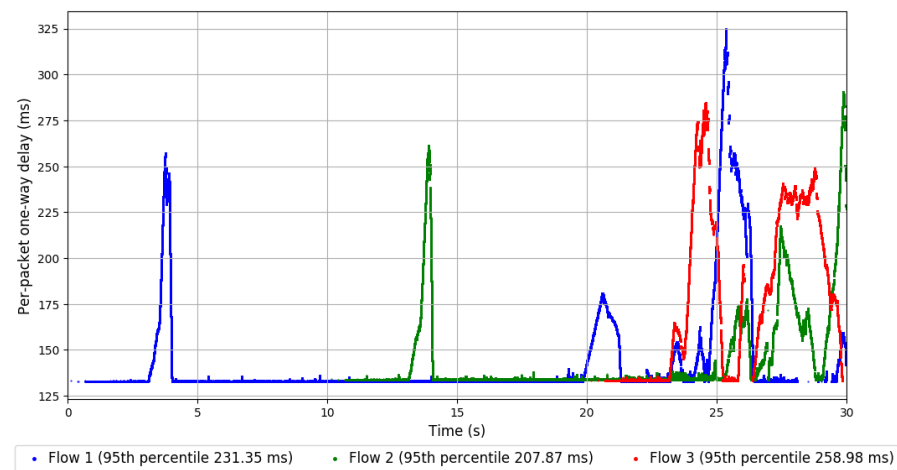
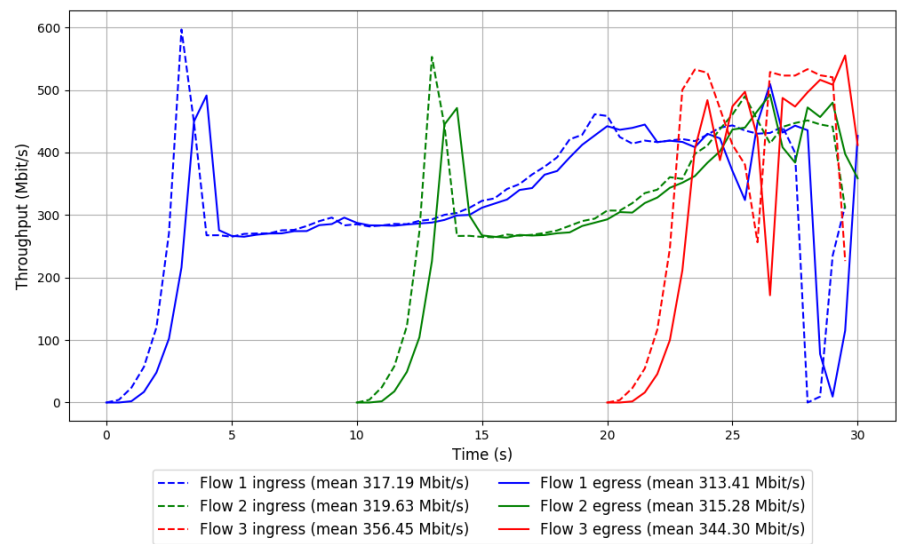


Run 4: Statistics of PCC-Allegro

Start at: 2019-01-03 11:23:31
End at: 2019-01-03 11:24:01
Local clock offset: -0.503 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-01-03 14:43:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 634.57 Mbit/s
95th percentile per-packet one-way delay: 238.110 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 313.41 Mbit/s
95th percentile per-packet one-way delay: 231.350 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 315.28 Mbit/s
95th percentile per-packet one-way delay: 207.866 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 344.30 Mbit/s
95th percentile per-packet one-way delay: 258.981 ms
Loss rate: 3.41%

Run 4: Report of PCC-Allegro — Data Link

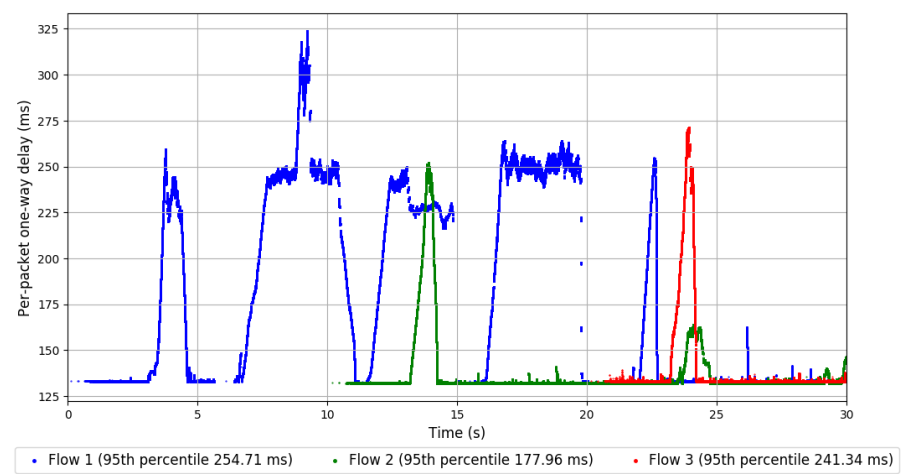
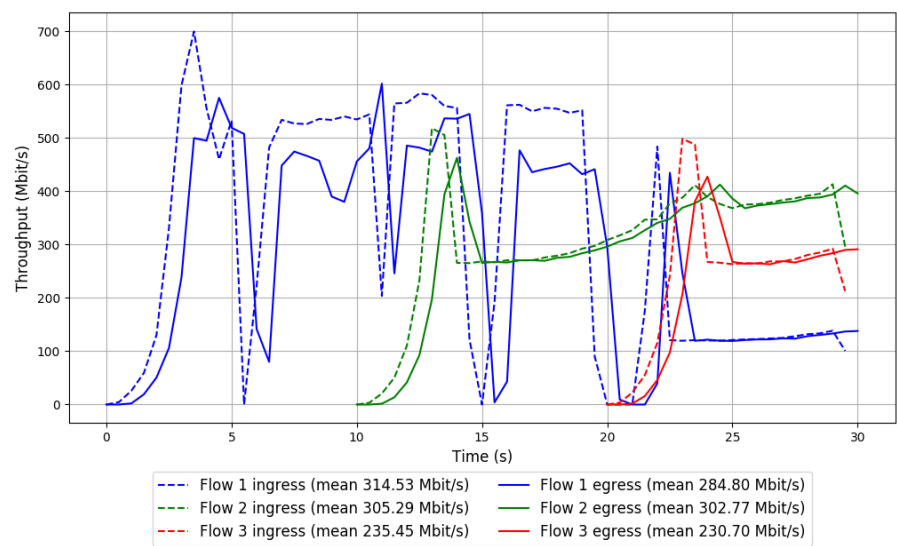


Run 5: Statistics of PCC-Allegro

Start at: 2019-01-03 11:58:48
End at: 2019-01-03 11:59:18
Local clock offset: -0.083 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2019-01-03 14:43:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.68 Mbit/s
95th percentile per-packet one-way delay: 251.704 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 284.80 Mbit/s
95th percentile per-packet one-way delay: 254.705 ms
Loss rate: 9.45%
-- Flow 2:
Average throughput: 302.77 Mbit/s
95th percentile per-packet one-way delay: 177.957 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 230.70 Mbit/s
95th percentile per-packet one-way delay: 241.337 ms
Loss rate: 2.02%

Run 5: Report of PCC-Allegro — Data Link

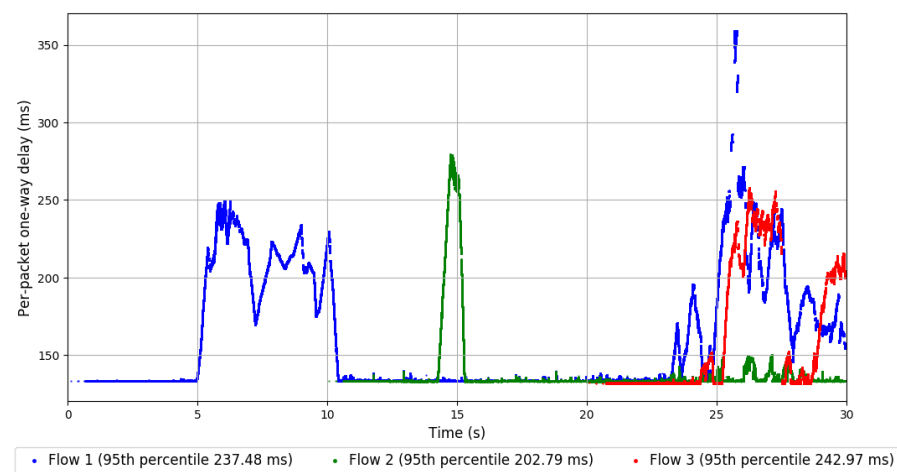
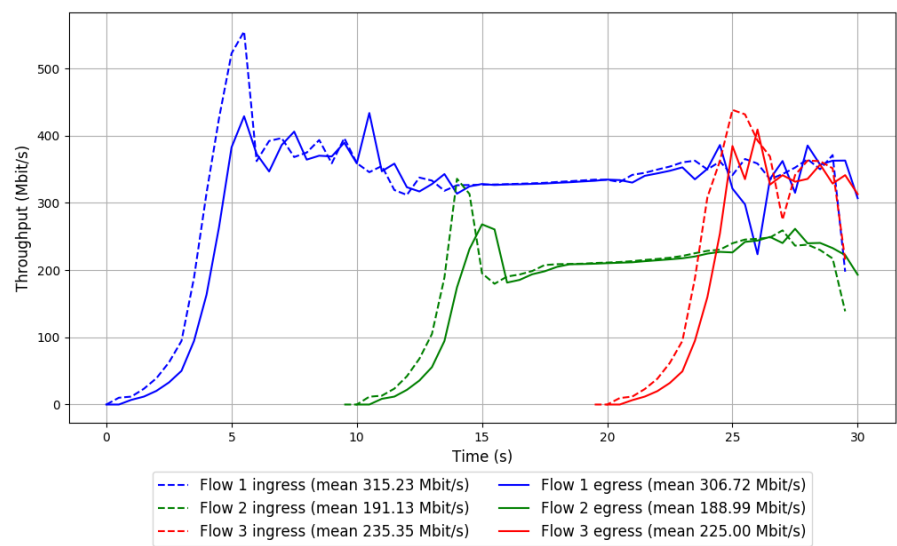


```
Run 1: Statistics of PCC-Expr

Start at: 2019-01-03 09:52:05
End at: 2019-01-03 09:52:35
Local clock offset: 0.277 ms
Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2019-01-03 14:43:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 507.08 Mbit/s
95th percentile per-packet one-way delay: 238.659 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 306.72 Mbit/s
95th percentile per-packet one-way delay: 237.484 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 188.99 Mbit/s
95th percentile per-packet one-way delay: 202.789 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 225.00 Mbit/s
95th percentile per-packet one-way delay: 242.970 ms
Loss rate: 4.40%
```

Run 1: Report of PCC-Expr — Data Link

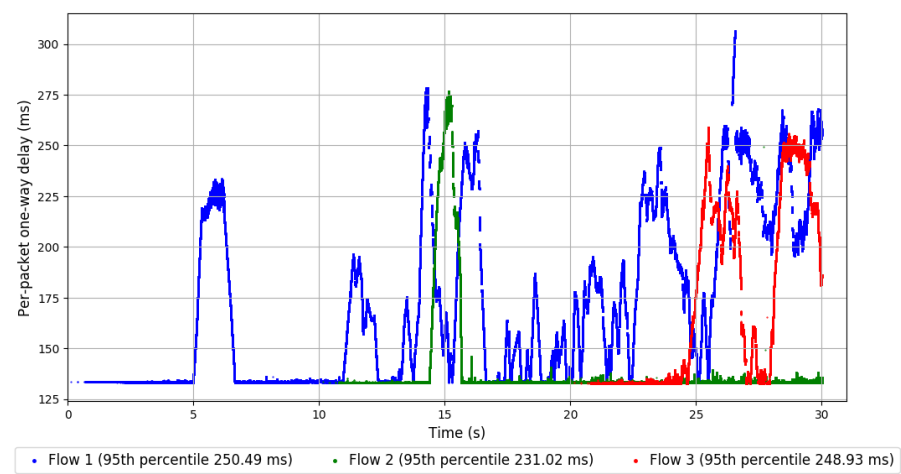
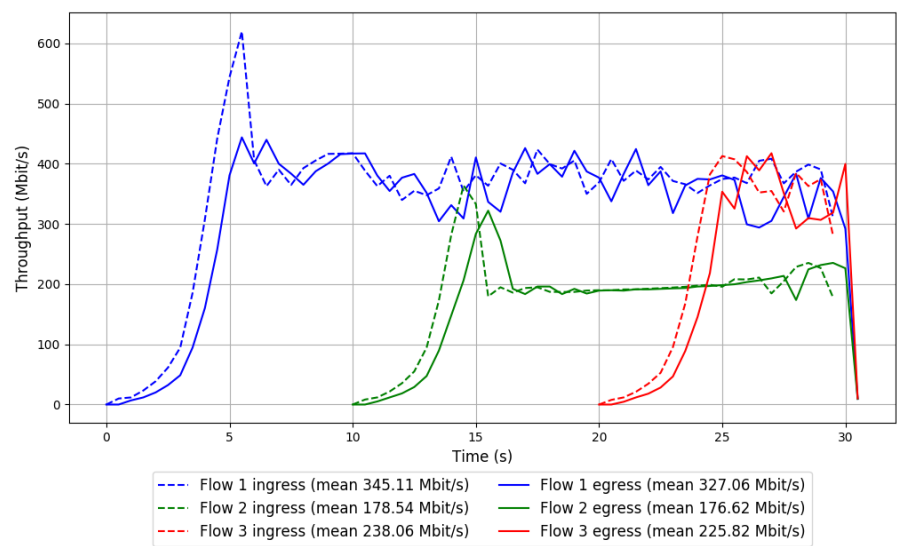


Run 2: Statistics of PCC-Expr

Start at: 2019-01-03 10:28:24
End at: 2019-01-03 10:28:54
Local clock offset: -0.061 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-01-03 14:47:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.89 Mbit/s
95th percentile per-packet one-way delay: 248.819 ms
Loss rate: 4.31%
-- Flow 1:
Average throughput: 327.06 Mbit/s
95th percentile per-packet one-way delay: 250.491 ms
Loss rate: 5.23%
-- Flow 2:
Average throughput: 176.62 Mbit/s
95th percentile per-packet one-way delay: 231.023 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 225.82 Mbit/s
95th percentile per-packet one-way delay: 248.925 ms
Loss rate: 5.14%

Run 2: Report of PCC-Expr — Data Link

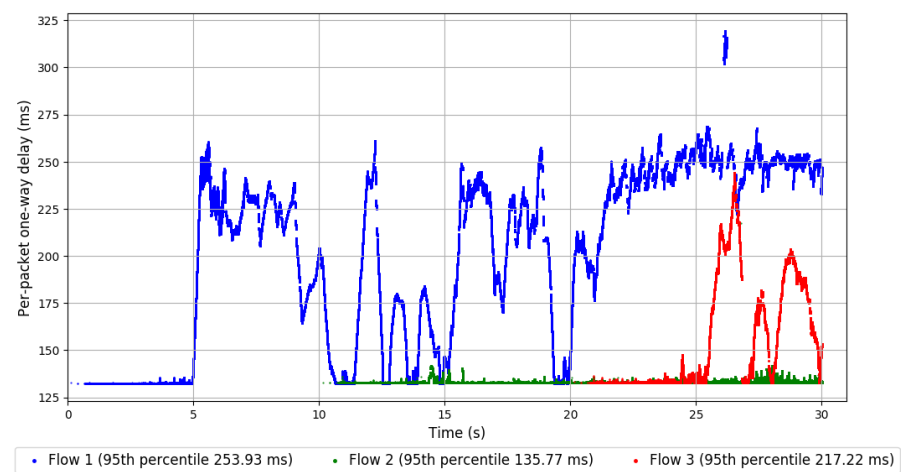
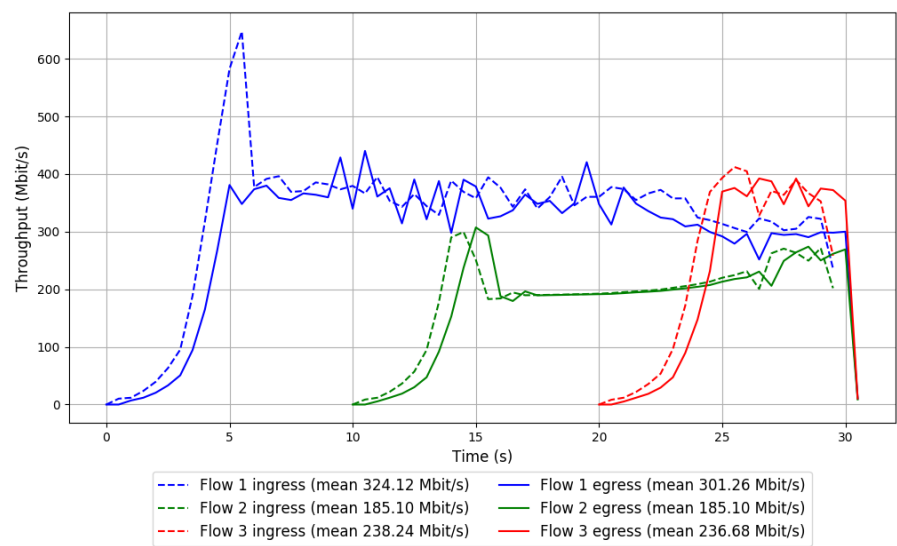


Run 3: Statistics of PCC-Expr

Start at: 2019-01-03 11:05:00
End at: 2019-01-03 11:05:30
Local clock offset: -0.085 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-01-03 14:49:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.28 Mbit/s
95th percentile per-packet one-way delay: 251.719 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 301.26 Mbit/s
95th percentile per-packet one-way delay: 253.925 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 135.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 236.68 Mbit/s
95th percentile per-packet one-way delay: 217.225 ms
Loss rate: 0.65%

Run 3: Report of PCC-Expr — Data Link

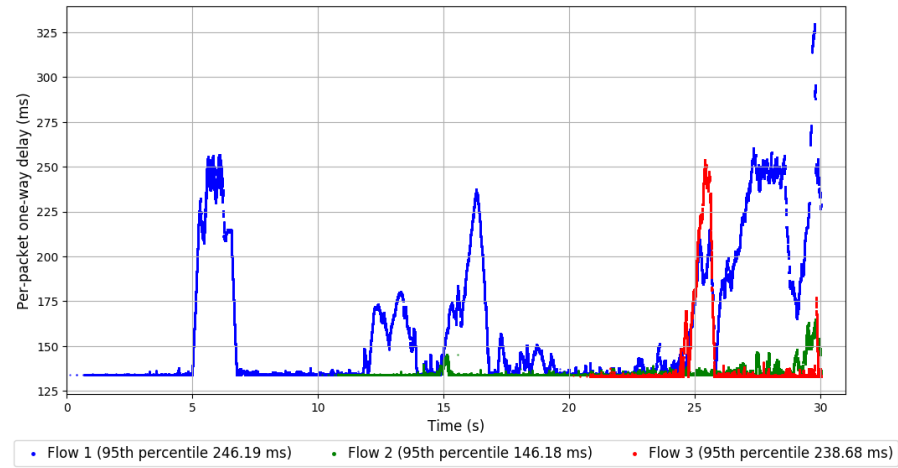
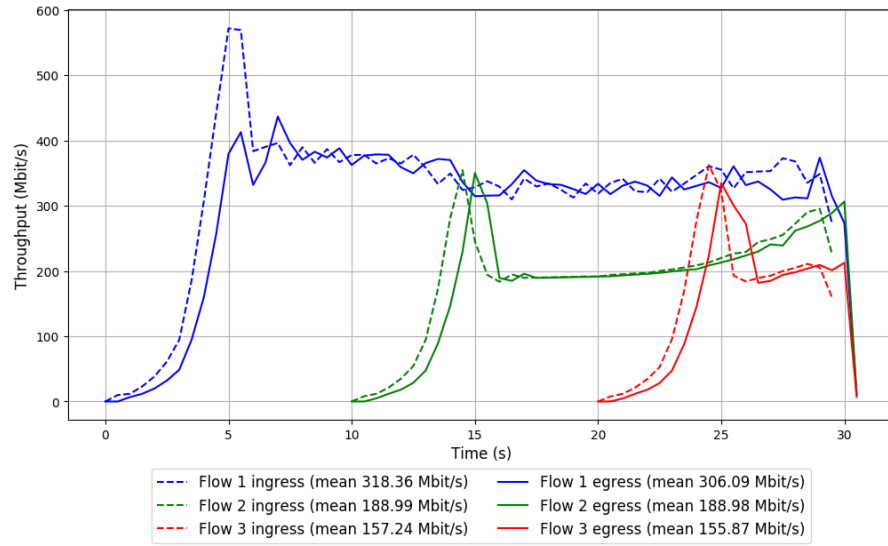


Run 4: Statistics of PCC-Expr

Start at: 2019-01-03 11:40:15
End at: 2019-01-03 11:40:45
Local clock offset: -0.532 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-01-03 14:56:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.06 Mbit/s
95th percentile per-packet one-way delay: 240.948 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 306.09 Mbit/s
95th percentile per-packet one-way delay: 246.186 ms
Loss rate: 3.85%
-- Flow 2:
Average throughput: 188.98 Mbit/s
95th percentile per-packet one-way delay: 146.179 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 155.87 Mbit/s
95th percentile per-packet one-way delay: 238.675 ms
Loss rate: 0.90%

Run 4: Report of PCC-Expr — Data Link

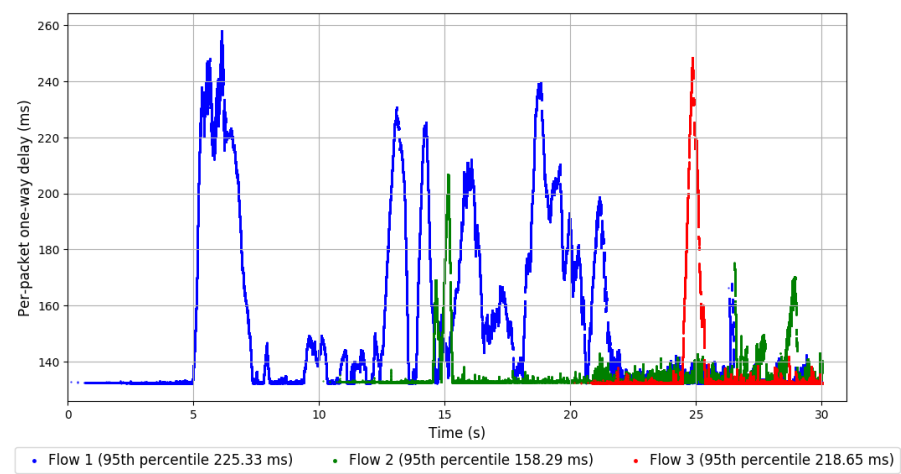
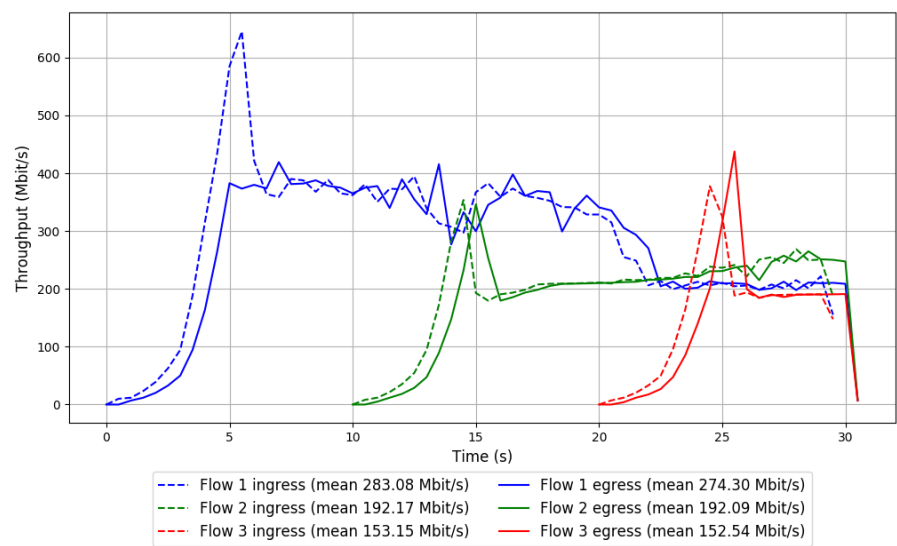


Run 5: Statistics of PCC-Expr

Start at: 2019-01-03 12:16:09
End at: 2019-01-03 12:16:39
Local clock offset: 0.228 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-01-03 14:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.23 Mbit/s
95th percentile per-packet one-way delay: 220.755 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 274.30 Mbit/s
95th percentile per-packet one-way delay: 225.329 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 192.09 Mbit/s
95th percentile per-packet one-way delay: 158.294 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 152.54 Mbit/s
95th percentile per-packet one-way delay: 218.651 ms
Loss rate: 0.42%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-03 09:54:20

End at: 2019-01-03 09:54:50

Local clock offset: -0.574 ms

Remote clock offset: 0.313 ms

Below is generated by plot.py at 2019-01-03 14:57:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.47 Mbit/s

95th percentile per-packet one-way delay: 134.173 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 133.769 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.27 Mbit/s

95th percentile per-packet one-way delay: 134.185 ms

Loss rate: 0.00%

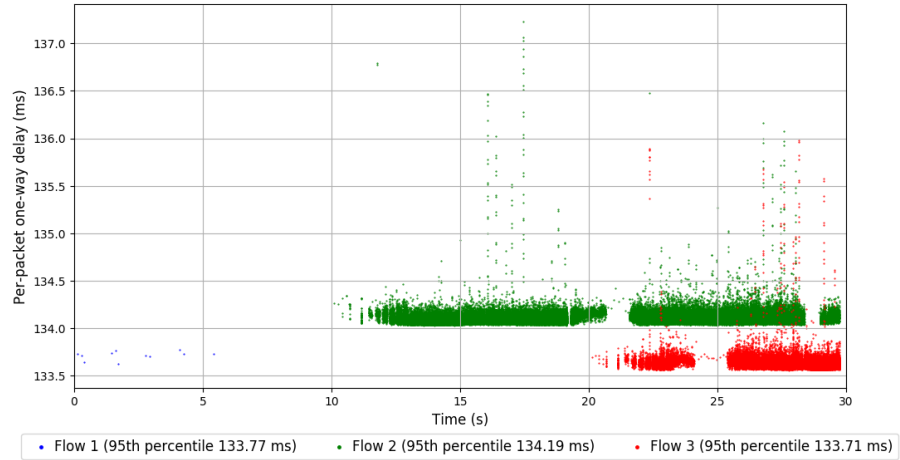
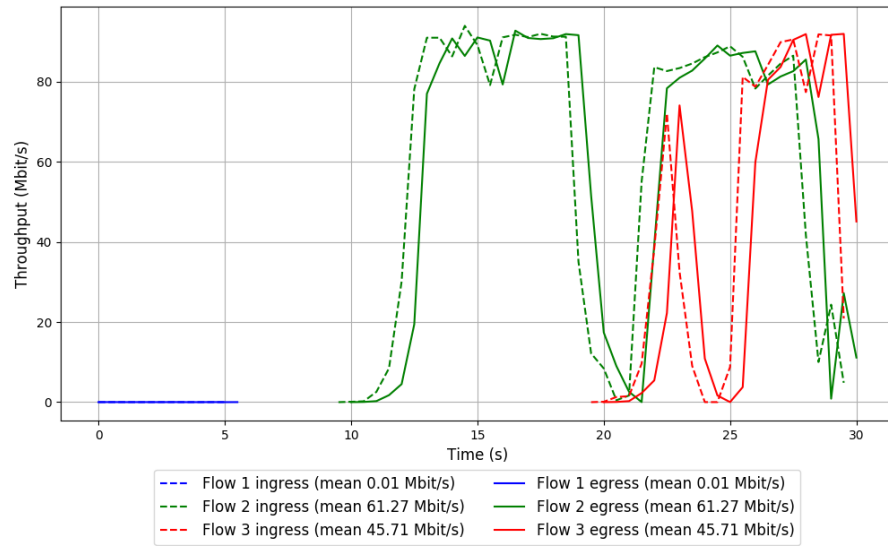
-- Flow 3:

Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 133.712 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-03 10:30:42

End at: 2019-01-03 10:31:12

Local clock offset: 0.101 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-01-03 14:57:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.72 Mbit/s

95th percentile per-packet one-way delay: 133.274 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 133.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.29 Mbit/s

95th percentile per-packet one-way delay: 132.774 ms

Loss rate: 0.00%

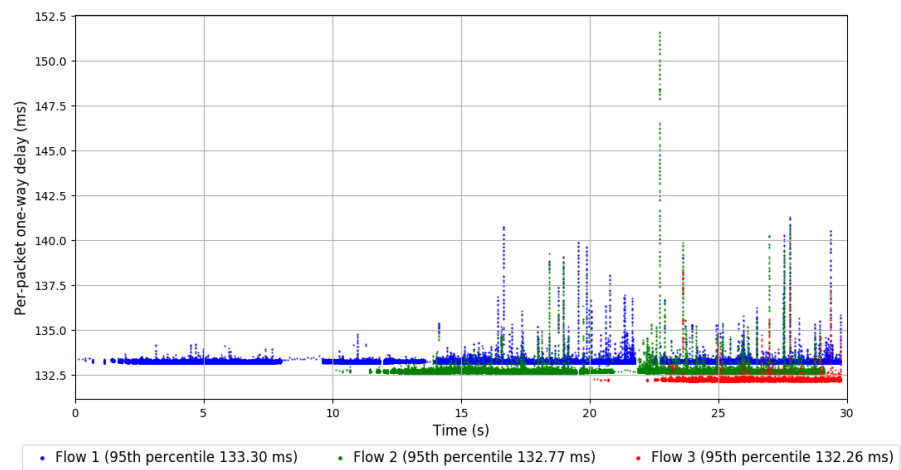
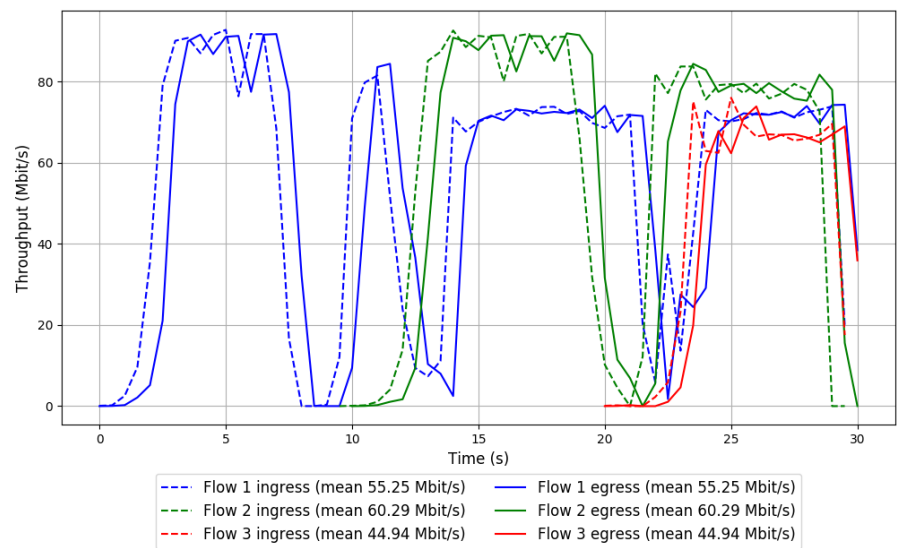
-- Flow 3:

Average throughput: 44.94 Mbit/s

95th percentile per-packet one-way delay: 132.263 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

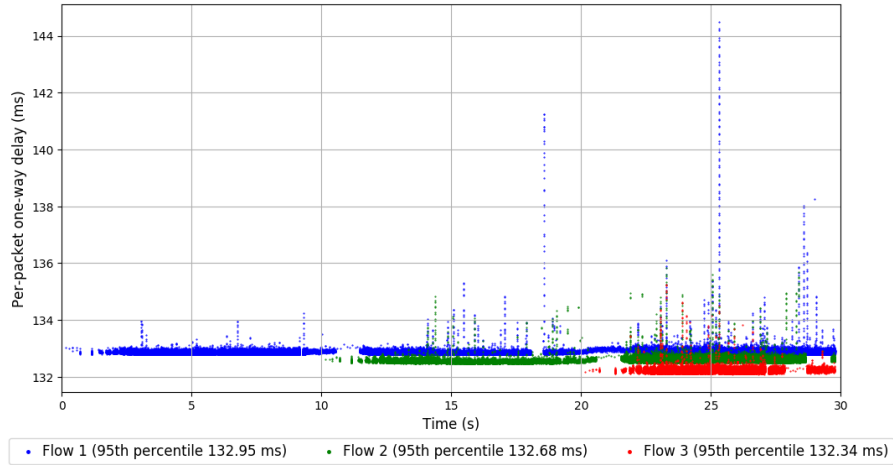
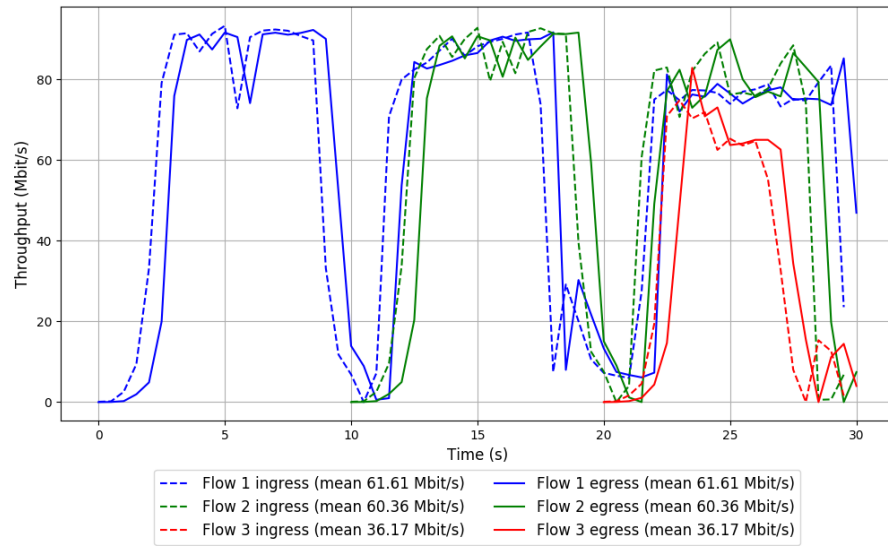


Run 3: Statistics of QUIC Cubic

Start at: 2019-01-03 11:07:17
End at: 2019-01-03 11:07:47
Local clock offset: 0.145 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-01-03 14:57:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.32 Mbit/s
95th percentile per-packet one-way delay: 132.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 132.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.36 Mbit/s
95th percentile per-packet one-way delay: 132.684 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 132.338 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-03 11:42:28

End at: 2019-01-03 11:42:58

Local clock offset: -0.09 ms

Remote clock offset: 0.337 ms

Below is generated by plot.py at 2019-01-03 14:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 133.753 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 133.152 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 133.737 ms

Loss rate: 0.00%

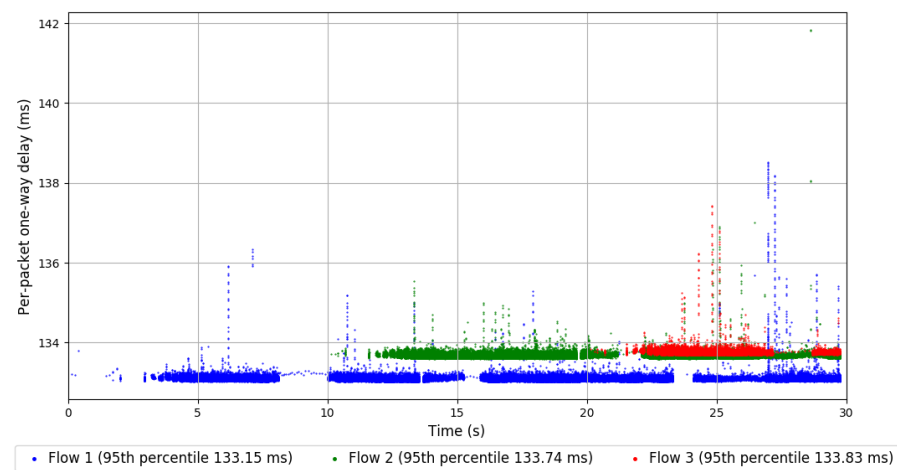
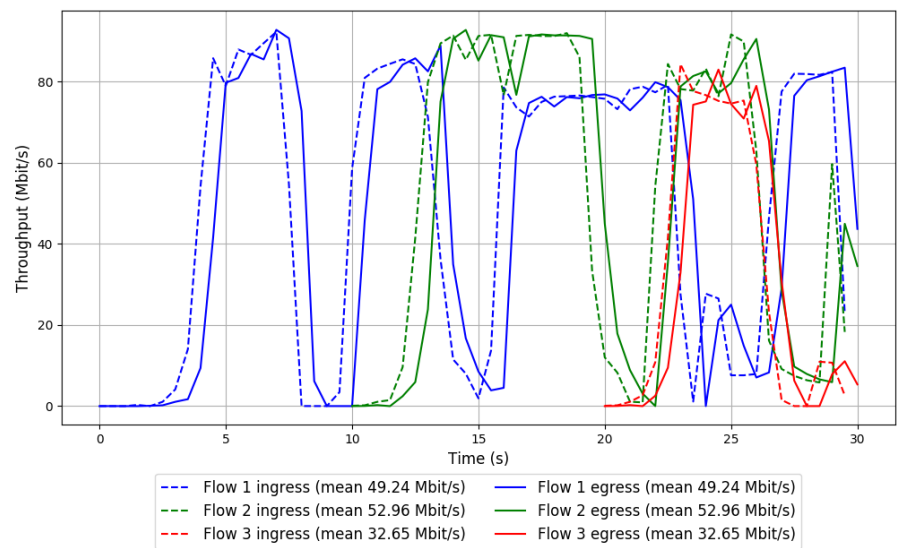
-- Flow 3:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 133.828 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

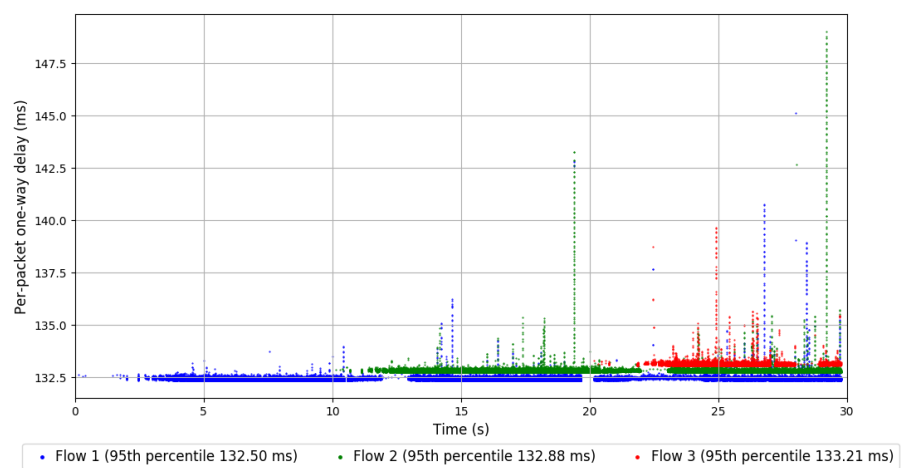
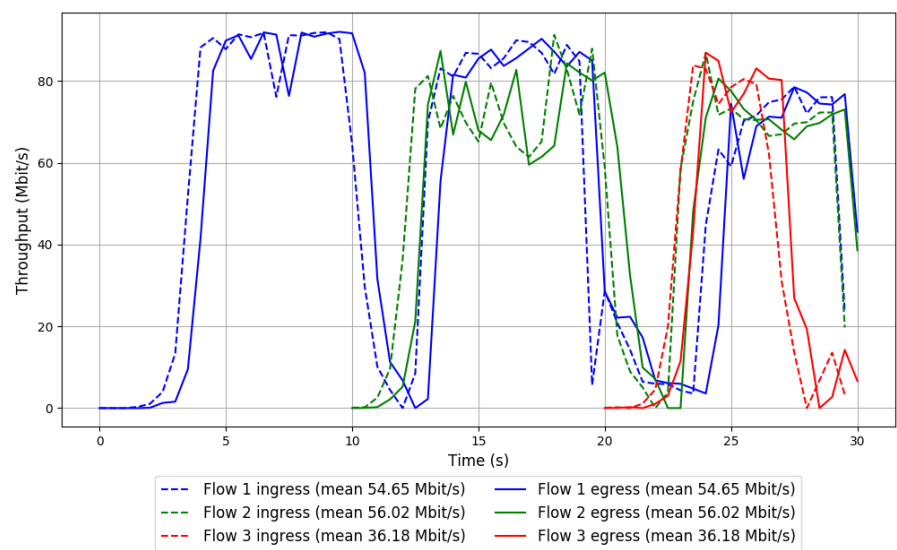


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-03 12:18:27
End at: 2019-01-03 12:18:57
Local clock offset: -0.1 ms
Remote clock offset: -0.061 ms

```
# Below is generated by plot.py at 2019-01-03 14:57:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.46 Mbit/s
95th percentile per-packet one-way delay: 133.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.65 Mbit/s
95th percentile per-packet one-way delay: 132.501 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.02 Mbit/s
95th percentile per-packet one-way delay: 132.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.18 Mbit/s
95th percentile per-packet one-way delay: 133.208 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

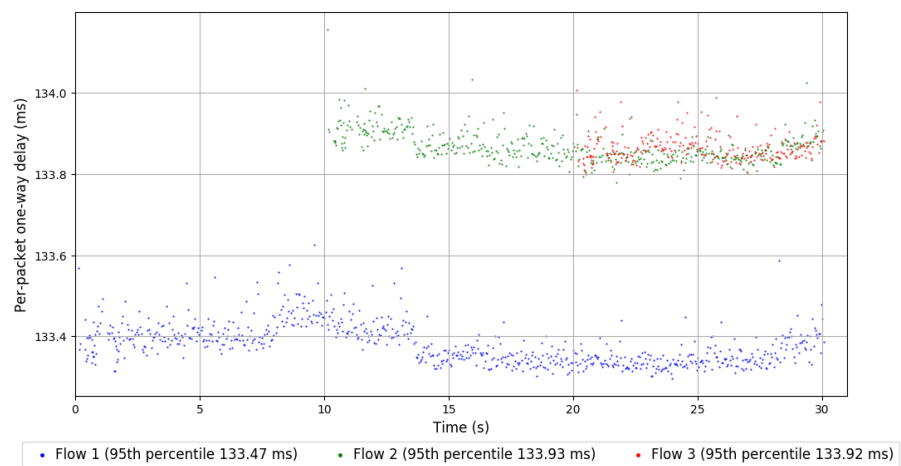
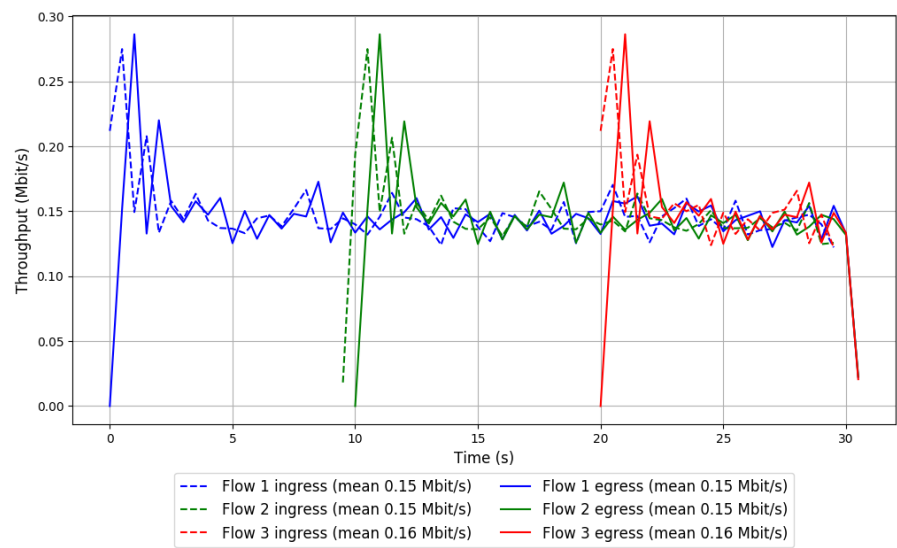



```
Run 1: Statistics of SCReAM

Start at: 2019-01-03 09:48:26
End at: 2019-01-03 09:48:56
Local clock offset: -0.602 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-01-03 14:57:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.469 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.920 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

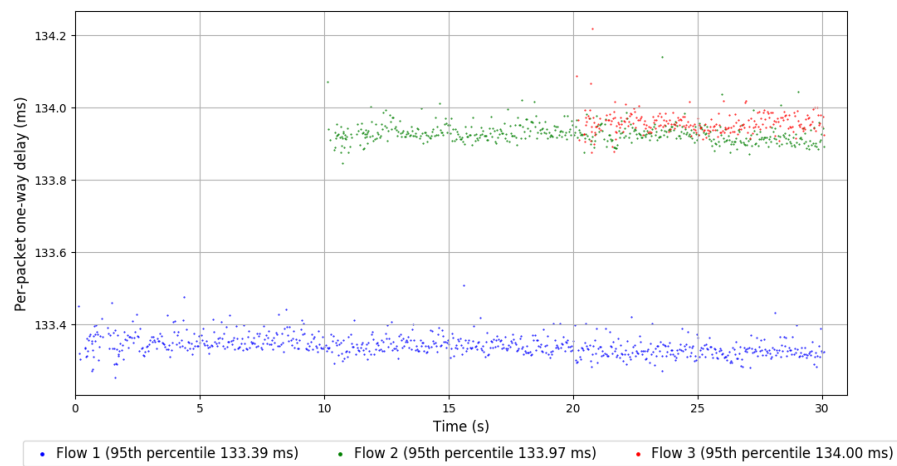
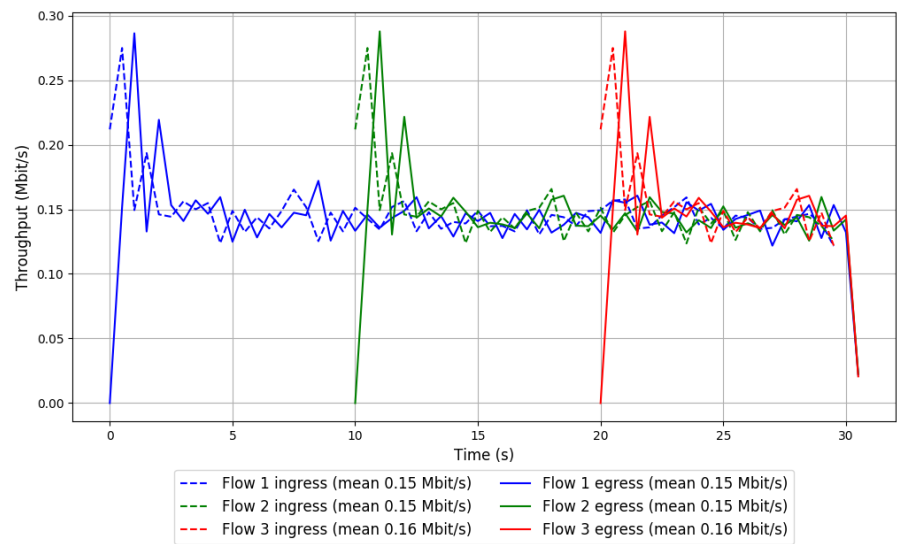


Run 2: Statistics of SCReAM

Start at: 2019-01-03 10:24:44
End at: 2019-01-03 10:25:14
Local clock offset: -0.485 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2019-01-03 14:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.394 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.995 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-01-03 11:01:08

End at: 2019-01-03 11:01:38

Local clock offset: -0.08 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-01-03 14:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 133.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 132.987 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 133.240 ms

Loss rate: 0.00%

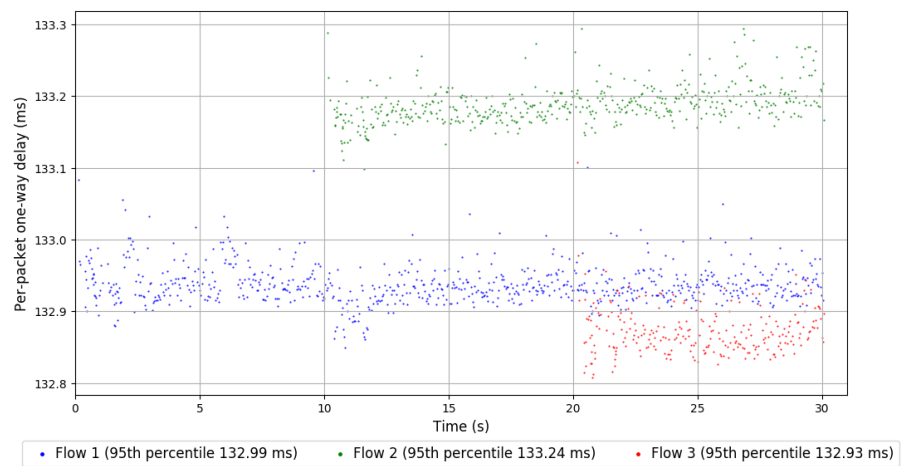
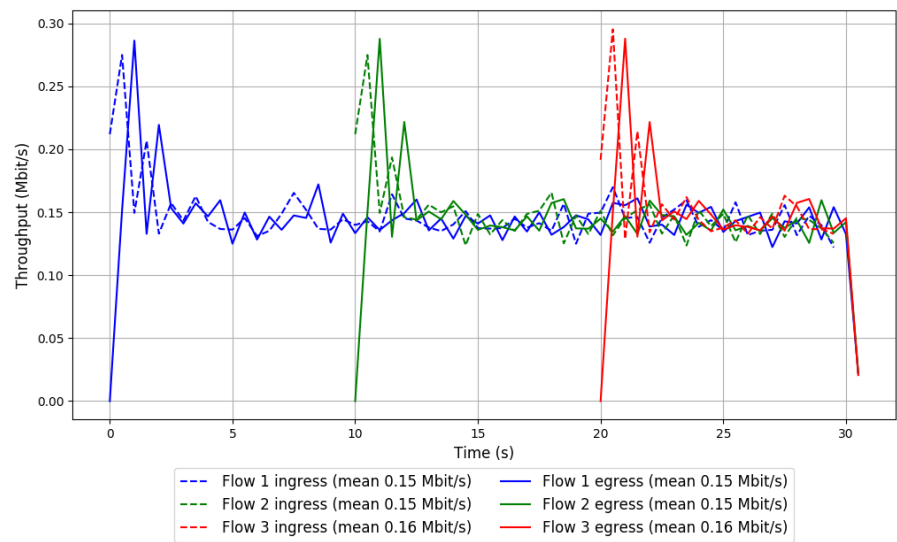
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 132.926 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

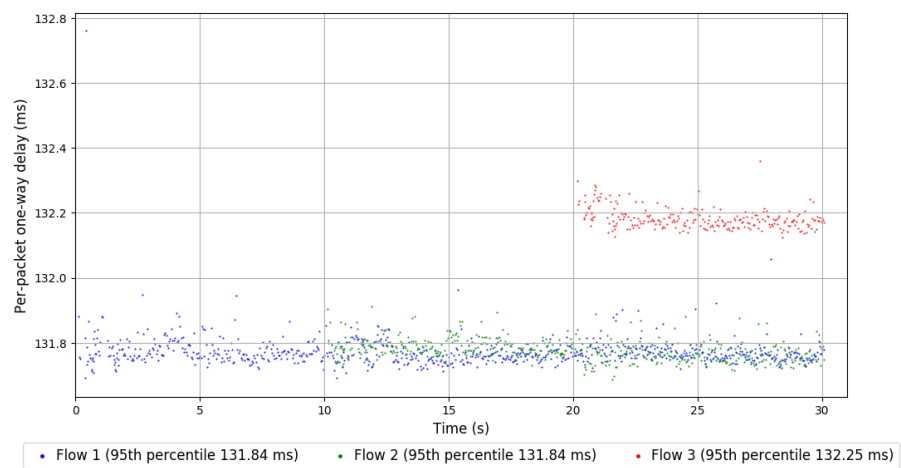
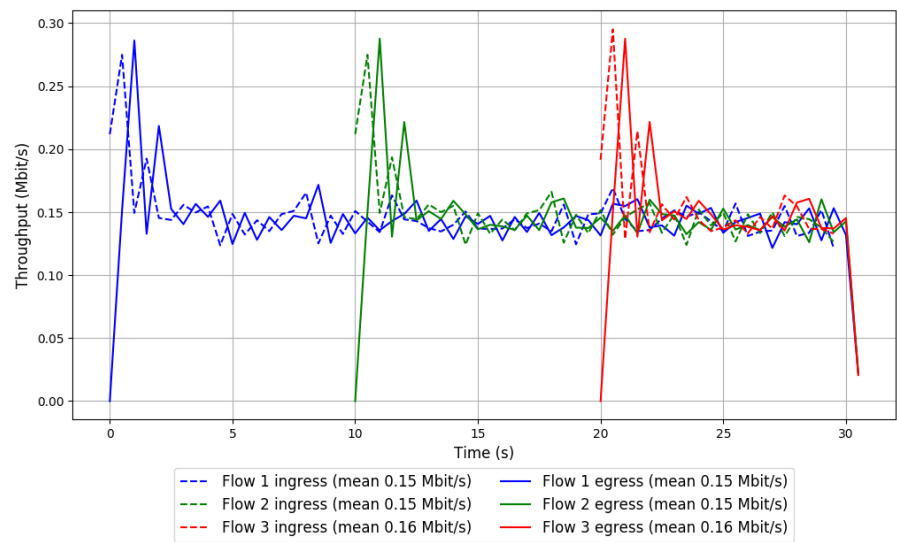


Run 4: Statistics of SCReAM

Start at: 2019-01-03 11:36:42
End at: 2019-01-03 11:37:12
Local clock offset: 0.321 ms
Remote clock offset: -0.373 ms

Below is generated by plot.py at 2019-01-03 14:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 132.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 131.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 131.840 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 132.248 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

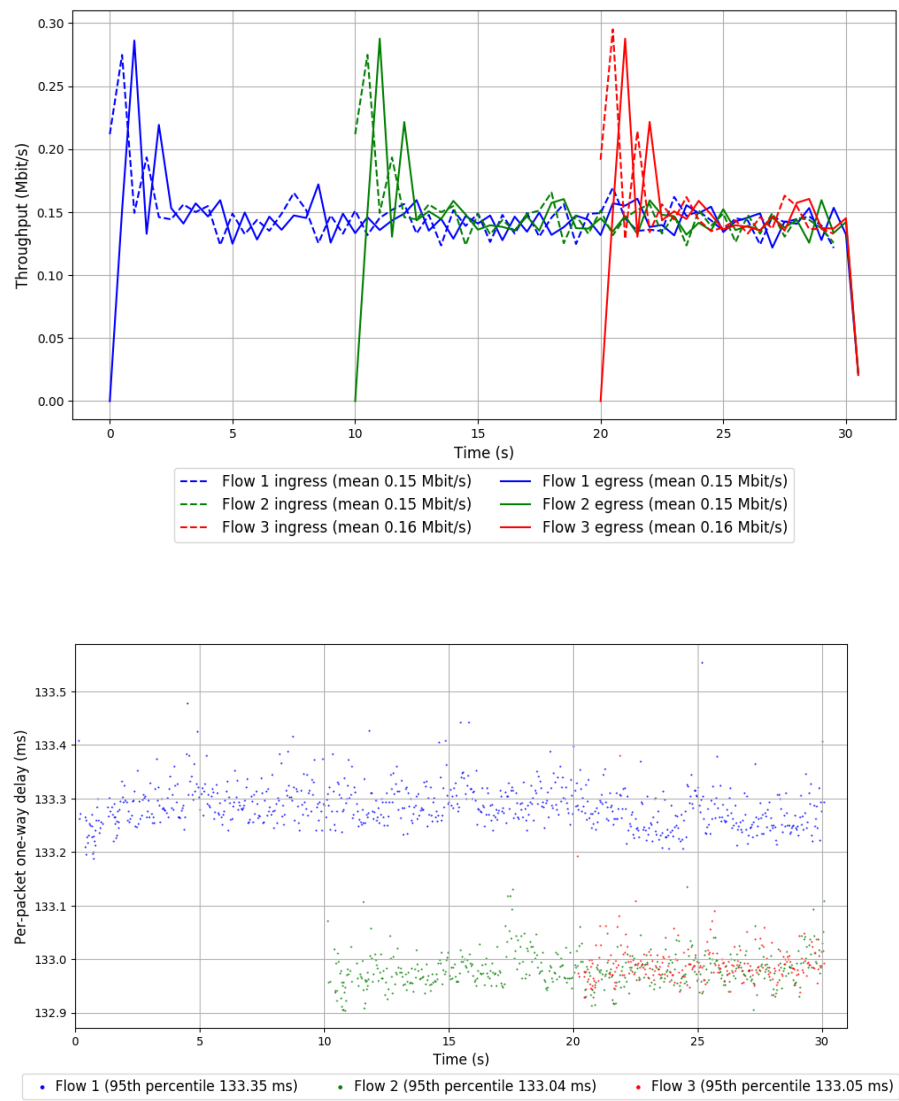


Run 5: Statistics of SCReAM

Start at: 2019-01-03 12:12:28
End at: 2019-01-03 12:12:58
Local clock offset: -0.105 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-01-03 14:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 133.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 133.049 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-01-03 09:57:46

End at: 2019-01-03 09:58:16

Local clock offset: 0.069 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2019-01-03 14:57:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 133.242 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 132.986 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 132.582 ms

Loss rate: 0.00%

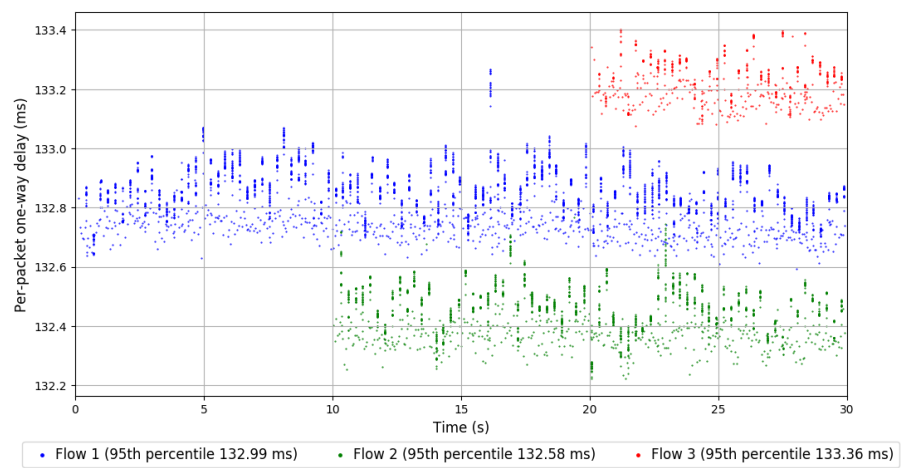
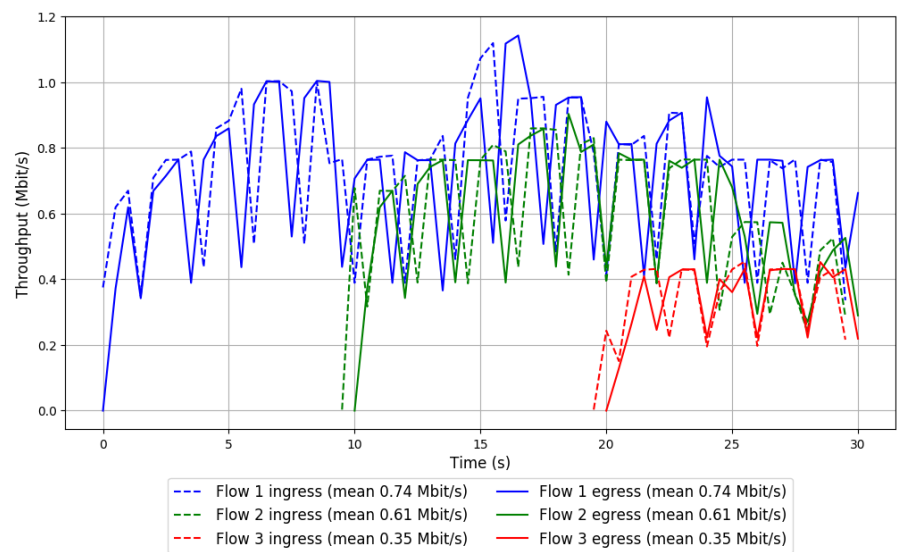
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 133.358 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

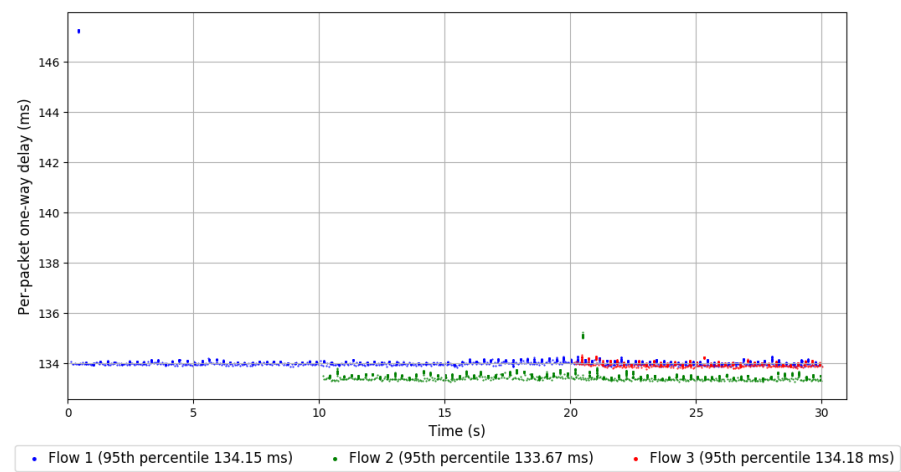
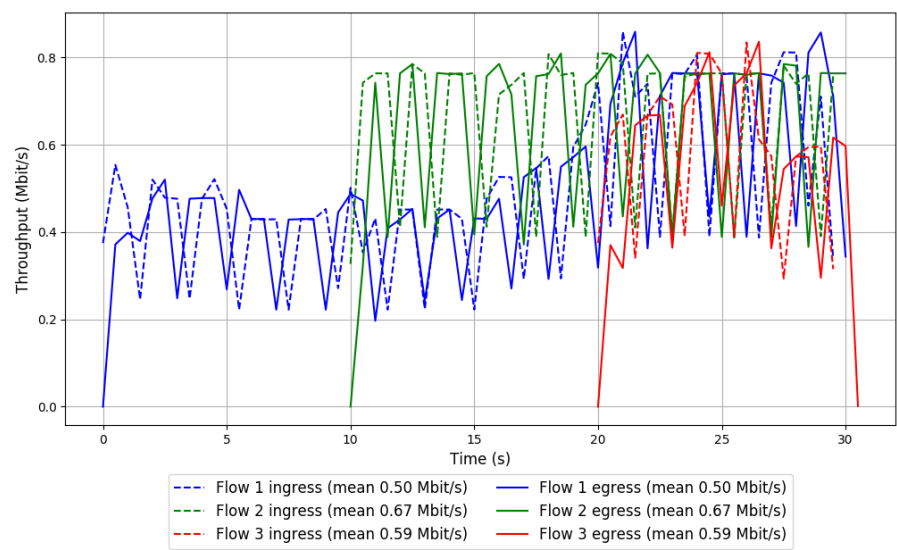


Run 2: Statistics of Sprout

Start at: 2019-01-03 10:34:12
End at: 2019-01-03 10:34:42
Local clock offset: -0.459 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-01-03 14:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 134.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 134.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 134.182 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

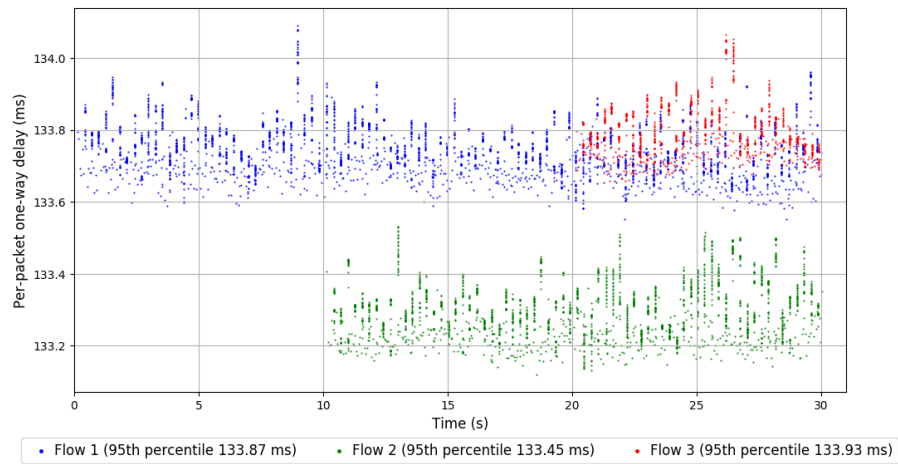
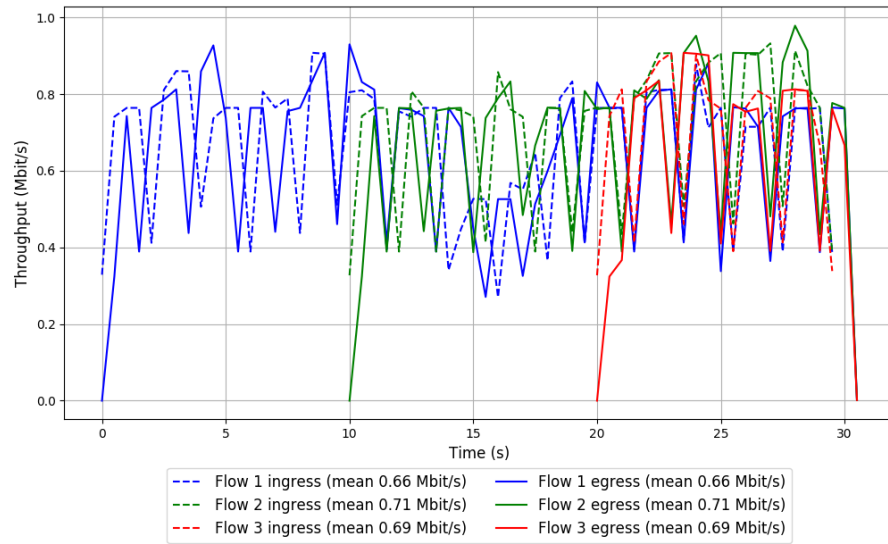


Run 3: Statistics of Sprout

Start at: 2019-01-03 11:10:52
End at: 2019-01-03 11:11:22
Local clock offset: -0.513 ms
Remote clock offset: 0.316 ms

```
# Below is generated by plot.py at 2019-01-03 14:57:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 133.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 133.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 133.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 133.925 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

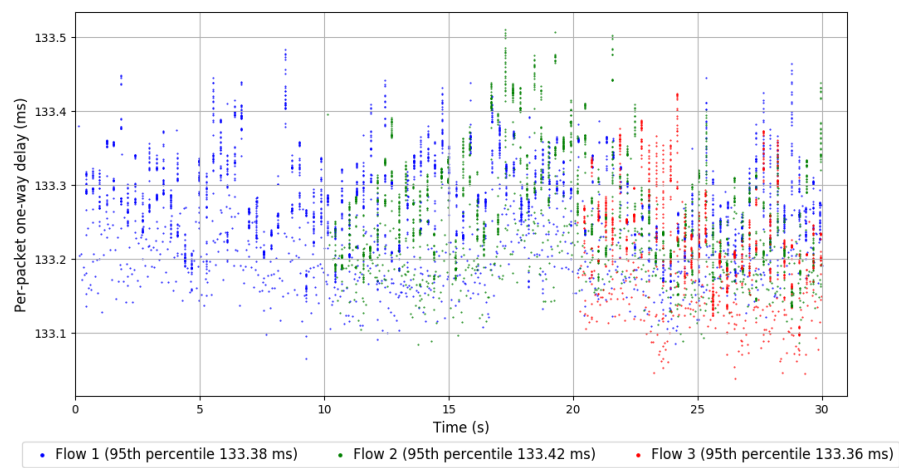
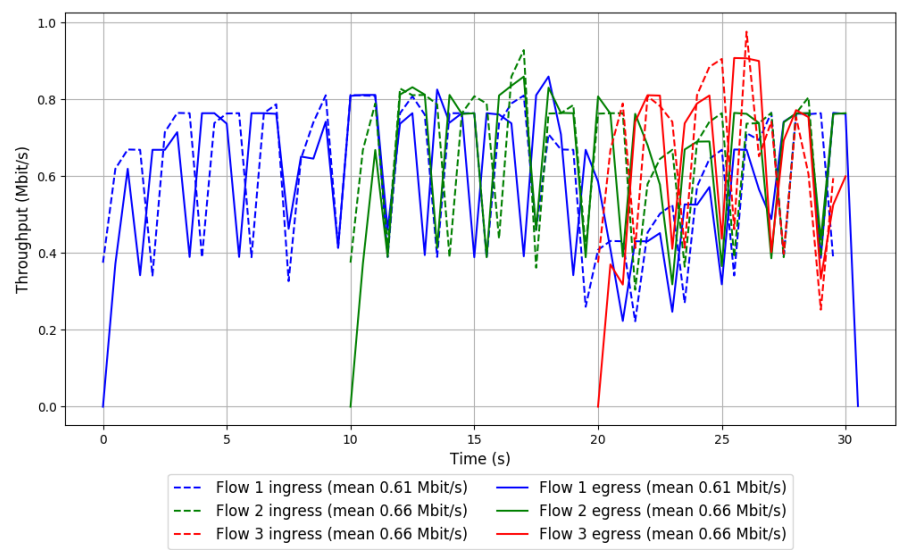


Run 4: Statistics of Sprout

Start at: 2019-01-03 11:45:57
End at: 2019-01-03 11:46:27
Local clock offset: -0.393 ms
Remote clock offset: -0.048 ms

```
# Below is generated by plot.py at 2019-01-03 14:57:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 133.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 133.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 133.417 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 133.357 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

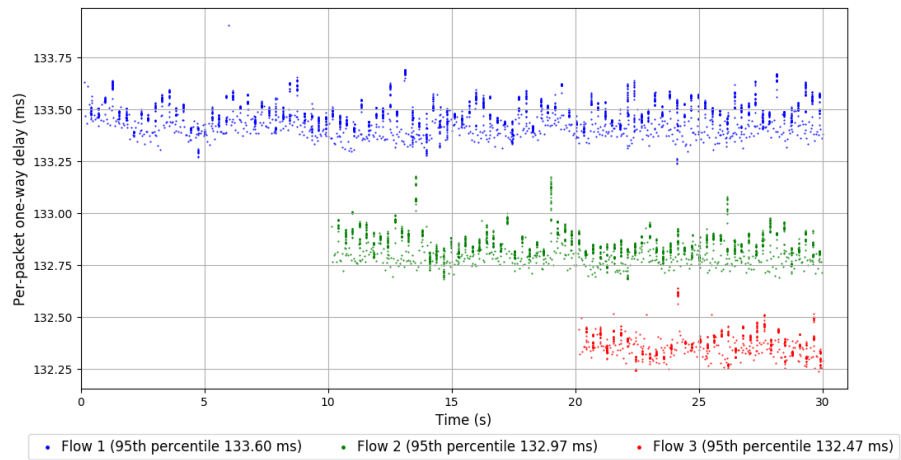
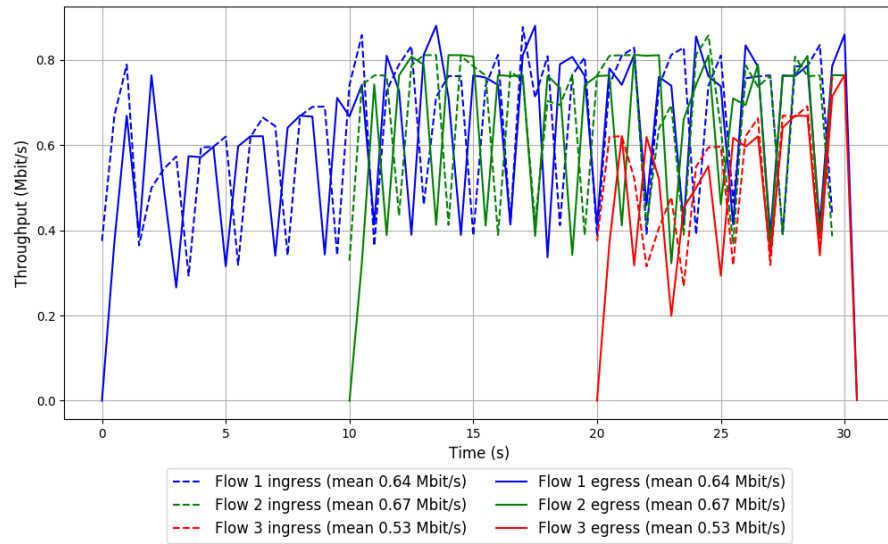


Run 5: Statistics of Sprout

Start at: 2019-01-03 12:22:01
End at: 2019-01-03 12:22:31
Local clock offset: 0.083 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-01-03 14:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 133.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 133.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 132.966 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 132.467 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

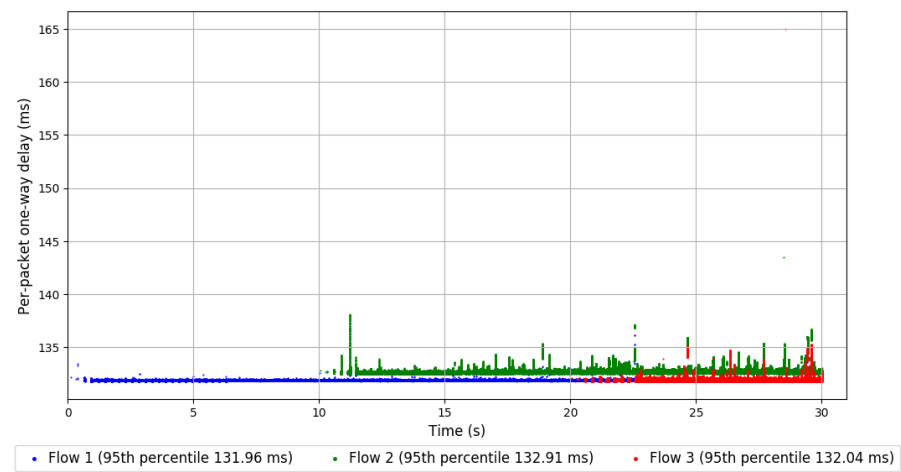
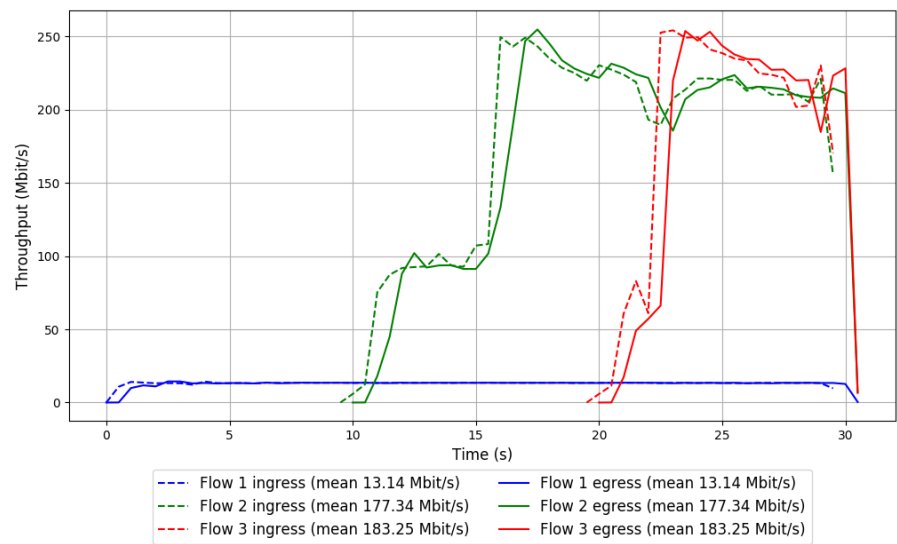


Run 1: Statistics of TaoVA-100x

Start at: 2019-01-03 09:27:40
End at: 2019-01-03 09:28:10
Local clock offset: 0.013 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-01-03 14:57:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.74 Mbit/s
95th percentile per-packet one-way delay: 132.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 131.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.34 Mbit/s
95th percentile per-packet one-way delay: 132.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.25 Mbit/s
95th percentile per-packet one-way delay: 132.038 ms
Loss rate: 0.00%

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

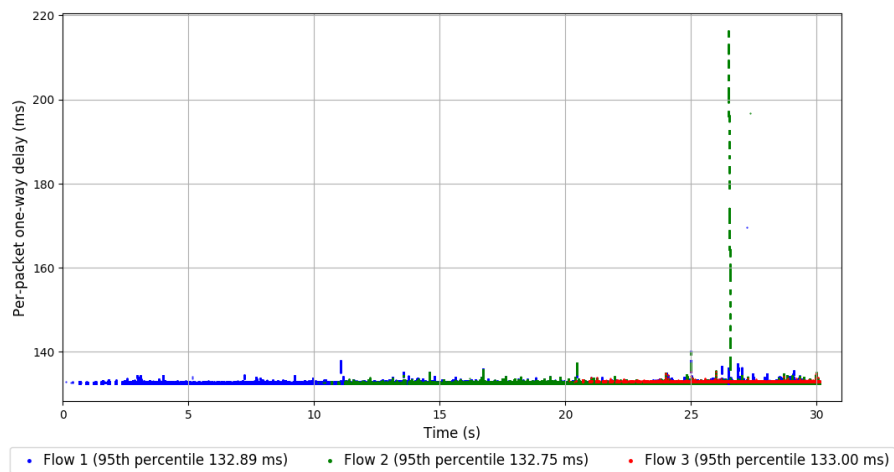
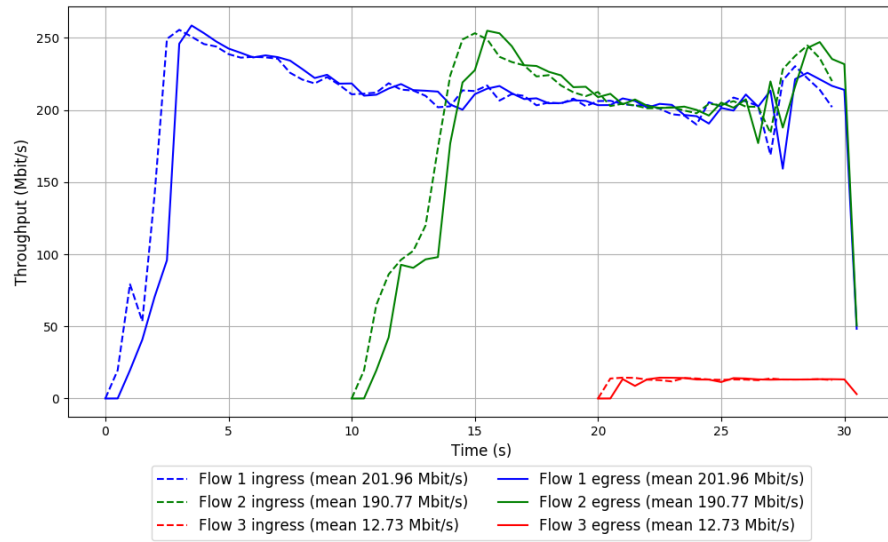


Run 2: Statistics of TaoVA-100x

Start at: 2019-01-03 10:03:18
End at: 2019-01-03 10:03:48
Local clock offset: -0.542 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-01-03 14:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.26 Mbit/s
95th percentile per-packet one-way delay: 132.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.96 Mbit/s
95th percentile per-packet one-way delay: 132.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.77 Mbit/s
95th percentile per-packet one-way delay: 132.753 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 133.001 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-03 10:39:48

End at: 2019-01-03 10:40:18

Local clock offset: -0.064 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-01-03 15:00:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.94 Mbit/s

95th percentile per-packet one-way delay: 133.508 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 205.02 Mbit/s

95th percentile per-packet one-way delay: 132.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 185.24 Mbit/s

95th percentile per-packet one-way delay: 133.377 ms

Loss rate: 0.00%

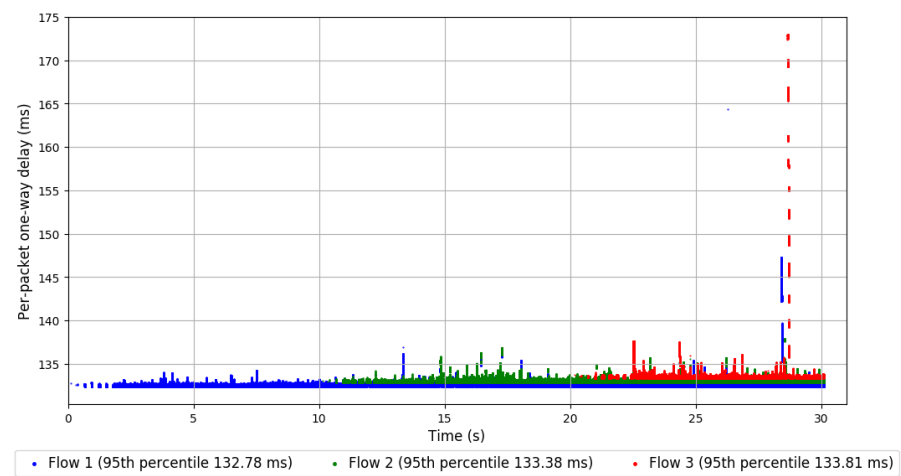
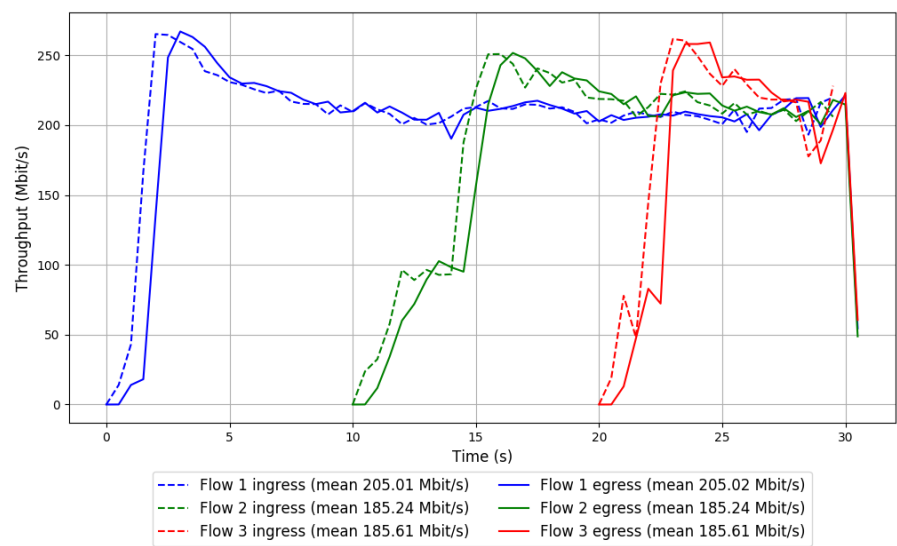
-- Flow 3:

Average throughput: 185.61 Mbit/s

95th percentile per-packet one-way delay: 133.810 ms

Loss rate: 0.00%

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

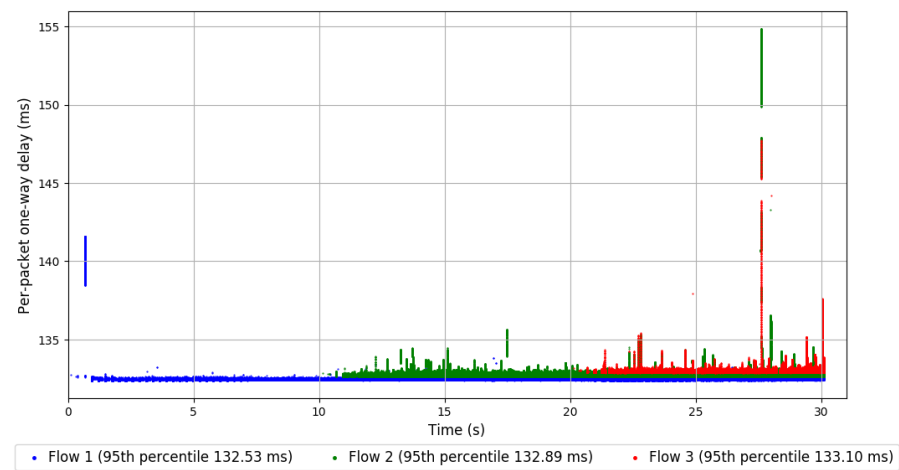
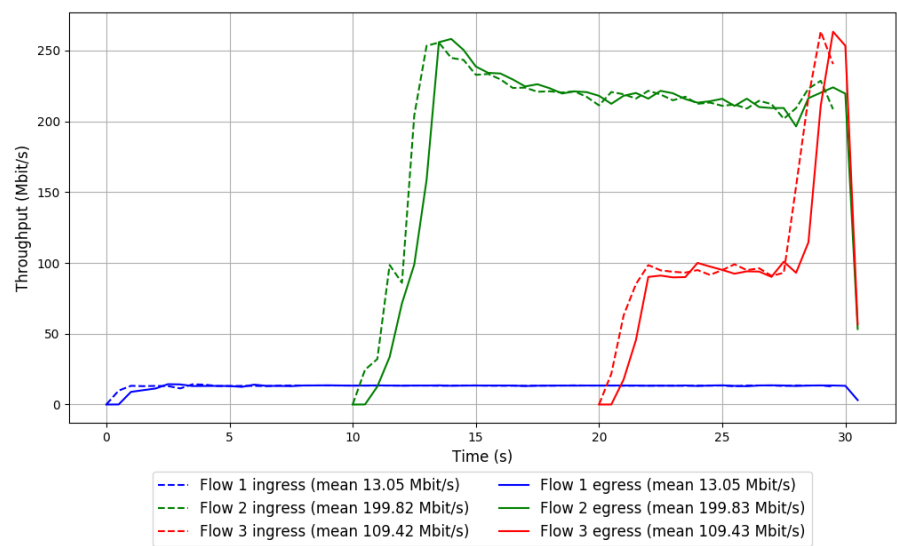


Run 4: Statistics of TaoVA-100x

Start at: 2019-01-03 11:16:32
End at: 2019-01-03 11:17:02
Local clock offset: 0.3 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-01-03 15:00:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.53 Mbit/s
95th percentile per-packet one-way delay: 133.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 132.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.83 Mbit/s
95th percentile per-packet one-way delay: 132.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.43 Mbit/s
95th percentile per-packet one-way delay: 133.101 ms
Loss rate: 0.00%

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

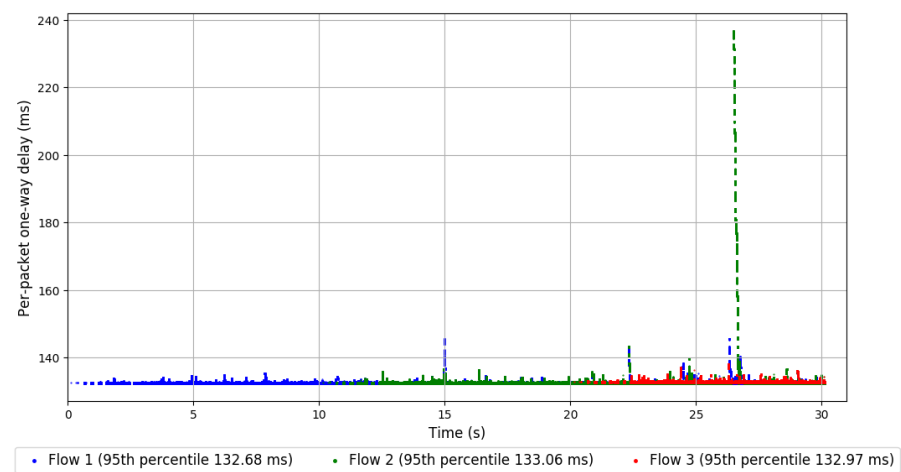
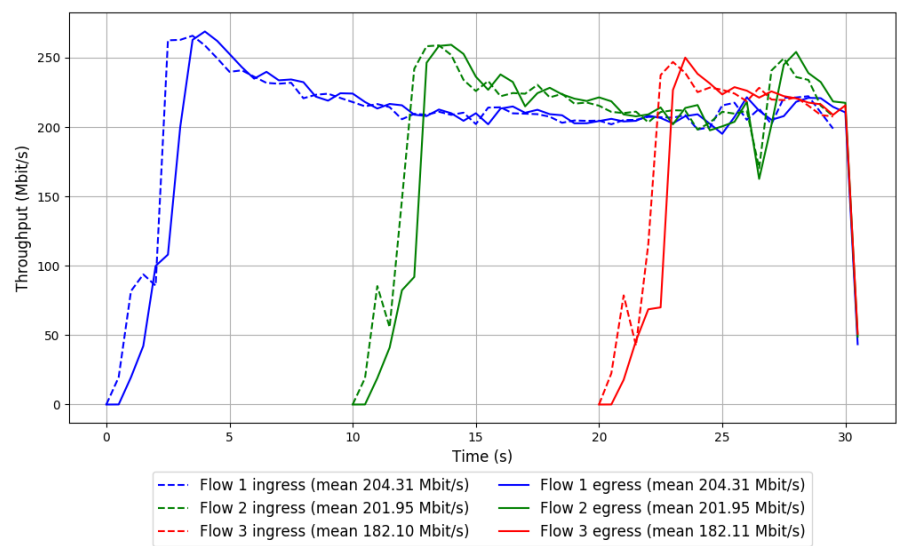


Run 5: Statistics of TaoVA-100x

Start at: 2019-01-03 11:51:34
End at: 2019-01-03 11:52:04
Local clock offset: -0.149 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-01-03 15:06:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.31 Mbit/s
95th percentile per-packet one-way delay: 132.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 132.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.95 Mbit/s
95th percentile per-packet one-way delay: 133.062 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.11 Mbit/s
95th percentile per-packet one-way delay: 132.969 ms
Loss rate: 0.00%

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

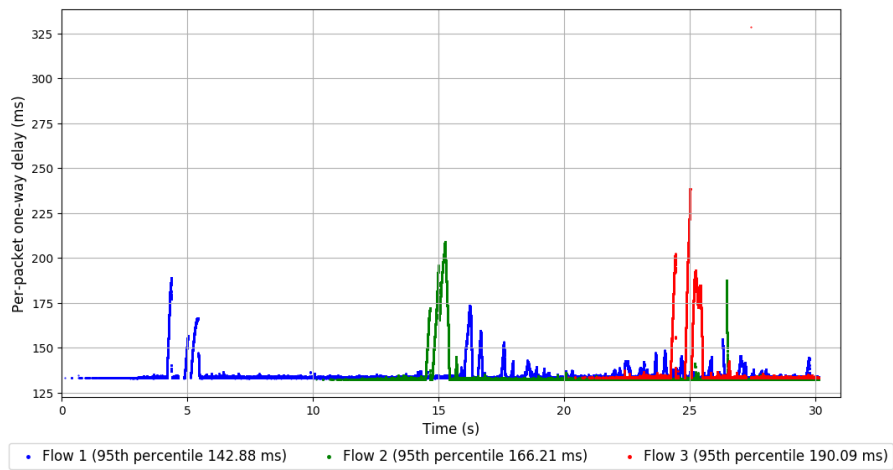
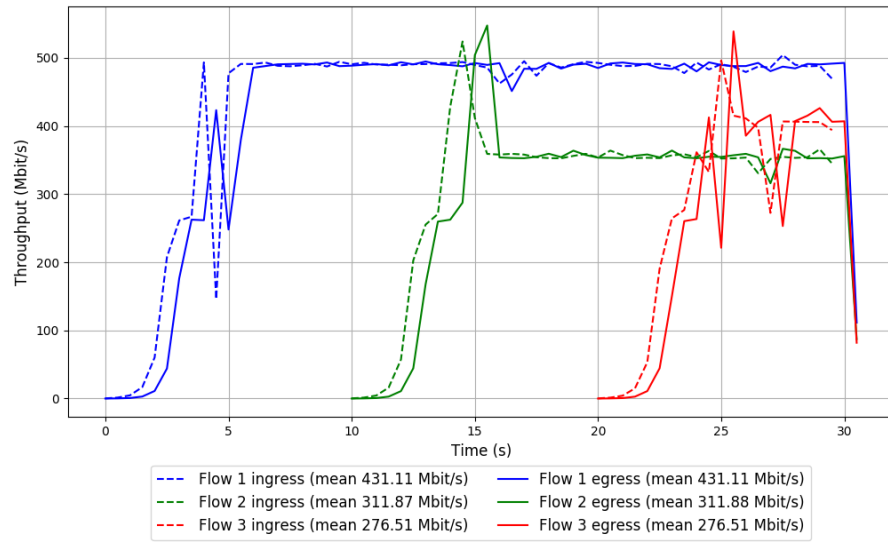


Run 1: Statistics of TCP Vegas

Start at: 2019-01-03 09:55:43
End at: 2019-01-03 09:56:13
Local clock offset: -0.136 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-01-03 15:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 730.75 Mbit/s
95th percentile per-packet one-way delay: 154.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 431.11 Mbit/s
95th percentile per-packet one-way delay: 142.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 311.88 Mbit/s
95th percentile per-packet one-way delay: 166.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 276.51 Mbit/s
95th percentile per-packet one-way delay: 190.086 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

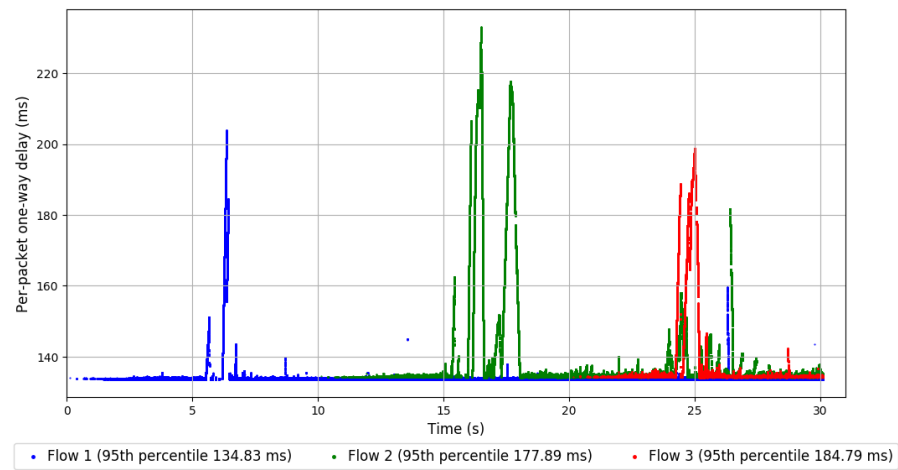
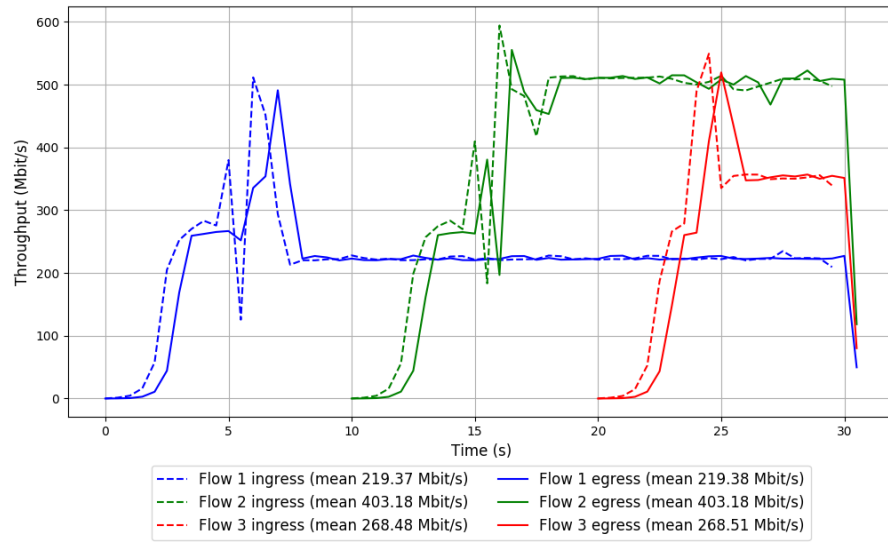


Run 2: Statistics of TCP Vegas

Start at: 2019-01-03 10:32:10
End at: 2019-01-03 10:32:40
Local clock offset: -0.449 ms
Remote clock offset: 0.291 ms

Below is generated by plot.py at 2019-01-03 15:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.06 Mbit/s
95th percentile per-packet one-way delay: 166.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.38 Mbit/s
95th percentile per-packet one-way delay: 134.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 403.18 Mbit/s
95th percentile per-packet one-way delay: 177.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 268.51 Mbit/s
95th percentile per-packet one-way delay: 184.789 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

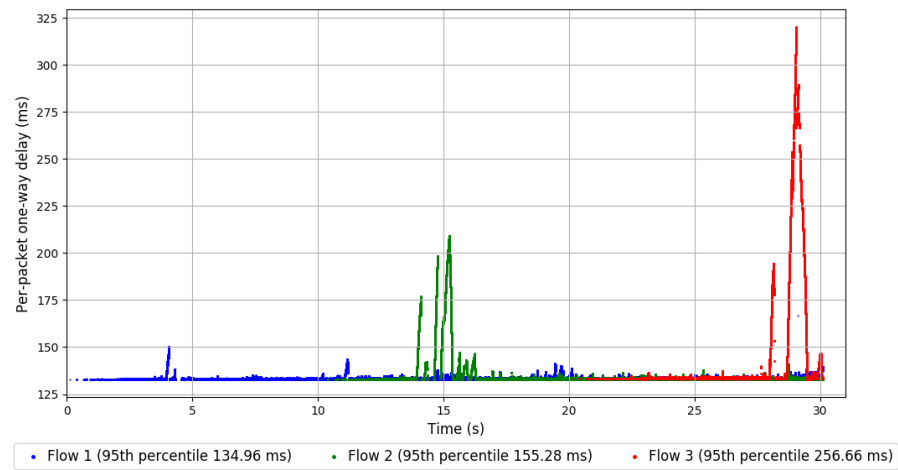
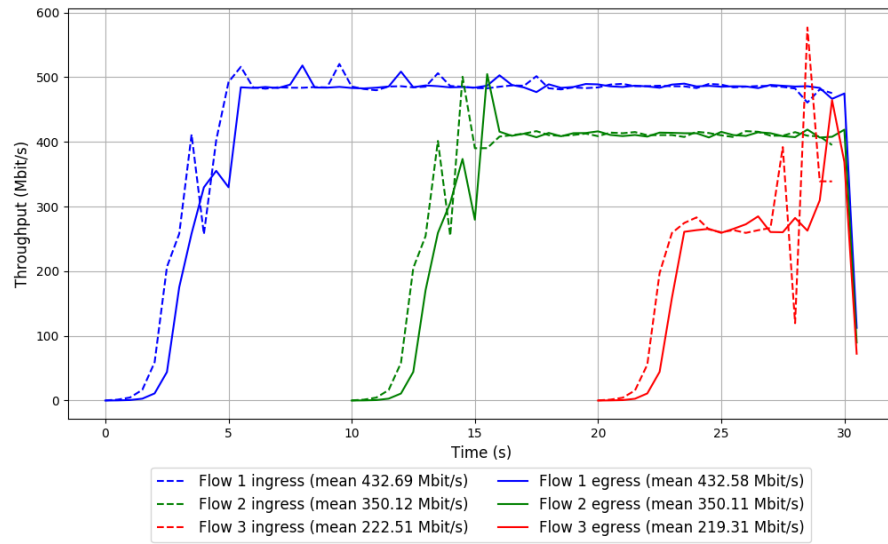


Run 3: Statistics of TCP Vegas

Start at: 2019-01-03 11:08:45
End at: 2019-01-03 11:09:15
Local clock offset: -0.068 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-01-03 15:11:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 738.76 Mbit/s
95th percentile per-packet one-way delay: 140.176 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 432.58 Mbit/s
95th percentile per-packet one-way delay: 134.956 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 350.11 Mbit/s
95th percentile per-packet one-way delay: 155.285 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 219.31 Mbit/s
95th percentile per-packet one-way delay: 256.660 ms
Loss rate: 1.45%

Run 3: Report of TCP Vegas — Data Link

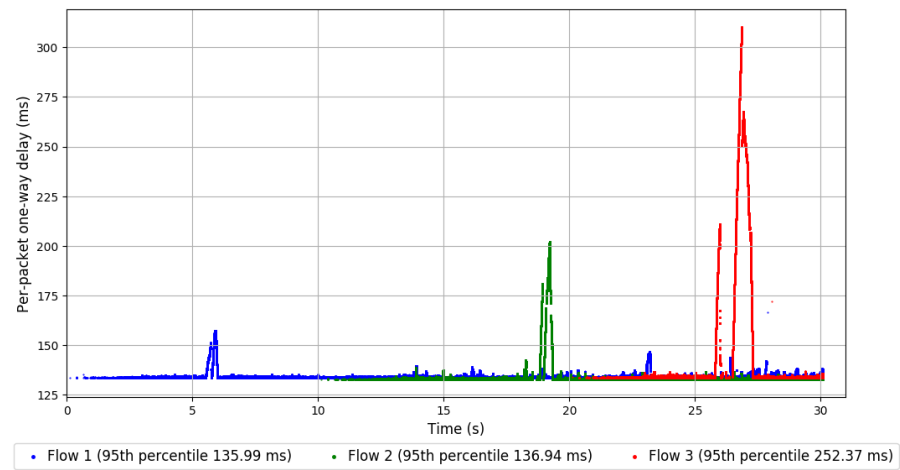
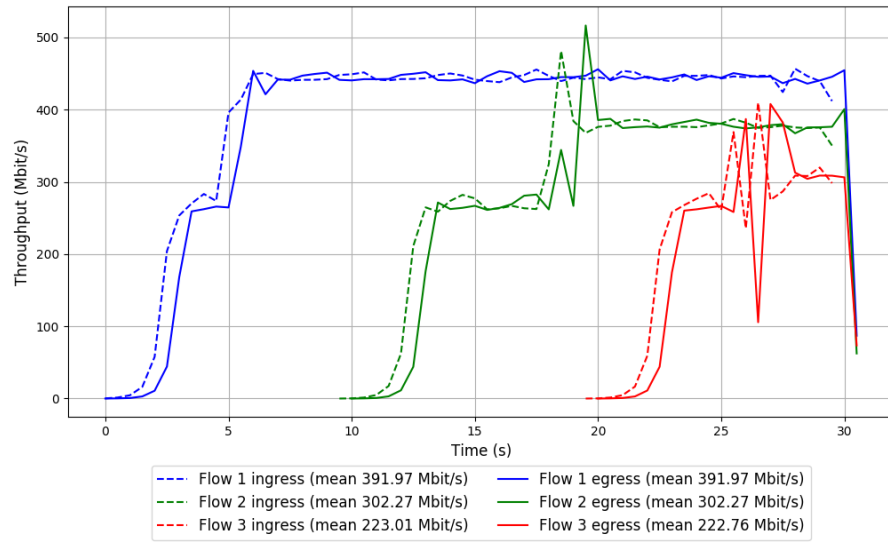


Run 4: Statistics of TCP Vegas

Start at: 2019-01-03 11:43:54
End at: 2019-01-03 11:44:24
Local clock offset: -0.489 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-01-03 15:12:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 667.55 Mbit/s
95th percentile per-packet one-way delay: 138.602 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 391.97 Mbit/s
95th percentile per-packet one-way delay: 135.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 302.27 Mbit/s
95th percentile per-packet one-way delay: 136.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 222.76 Mbit/s
95th percentile per-packet one-way delay: 252.371 ms
Loss rate: 0.11%

Run 4: Report of TCP Vegas — Data Link

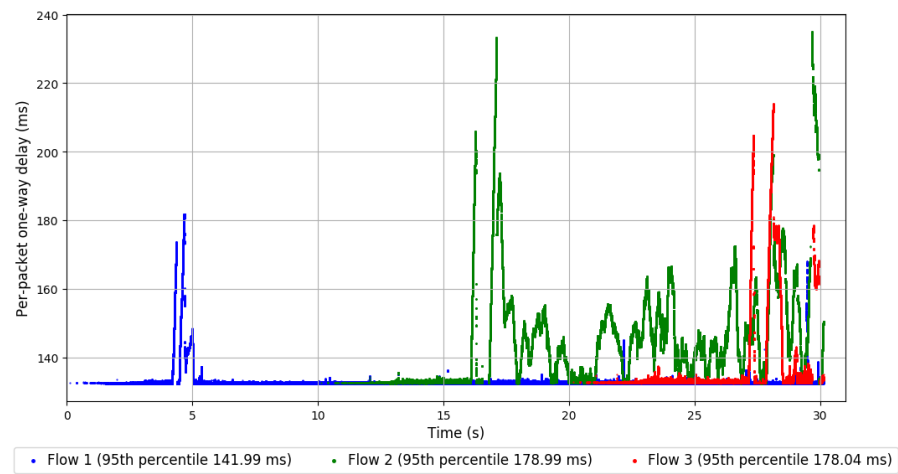
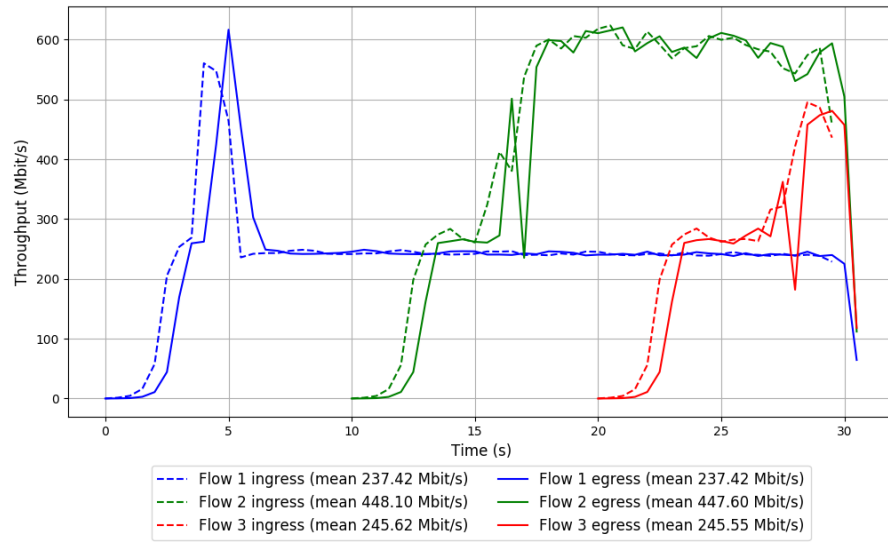


Run 5: Statistics of TCP Vegas

Start at: 2019-01-03 12:19:54
End at: 2019-01-03 12:20:24
Local clock offset: 0.253 ms
Remote clock offset: -0.081 ms

```
# Below is generated by plot.py at 2019-01-03 15:13:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 617.19 Mbit/s
95th percentile per-packet one-way delay: 170.721 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 237.42 Mbit/s
95th percentile per-packet one-way delay: 141.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 447.60 Mbit/s
95th percentile per-packet one-way delay: 178.990 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 245.55 Mbit/s
95th percentile per-packet one-way delay: 178.038 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

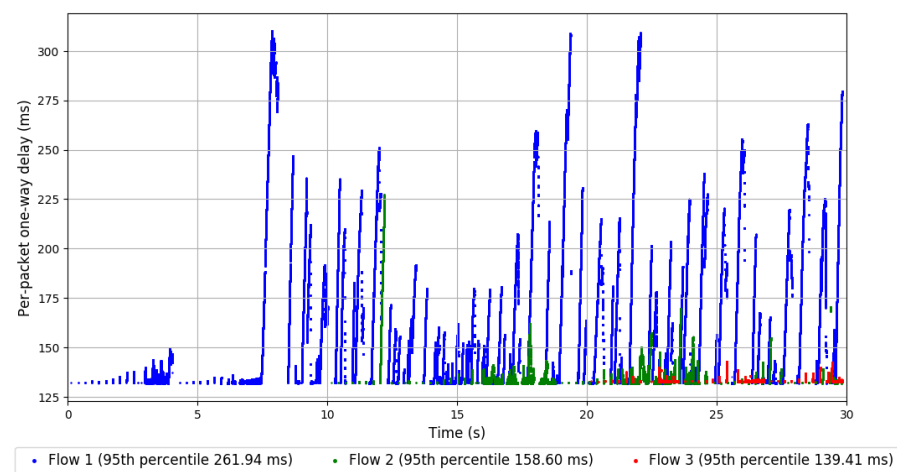
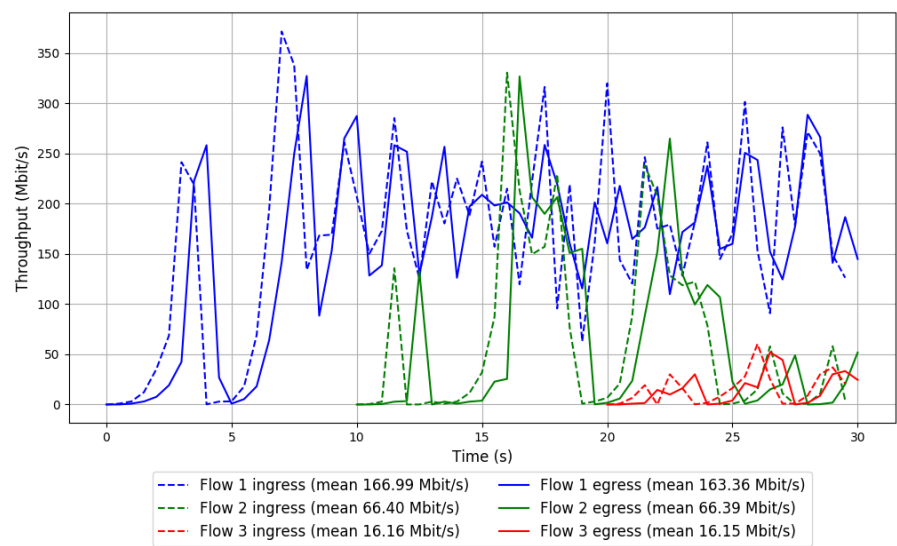


Run 1: Statistics of Verus

Start at: 2019-01-03 09:29:22
End at: 2019-01-03 09:29:52
Local clock offset: -0.163 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-01-03 15:13:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.59 Mbit/s
95th percentile per-packet one-way delay: 254.690 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 163.36 Mbit/s
95th percentile per-packet one-way delay: 261.943 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 158.598 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 139.415 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

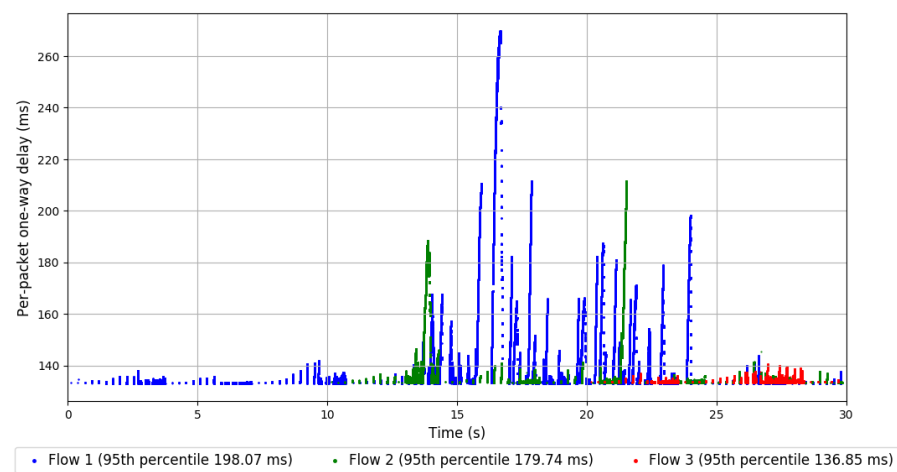
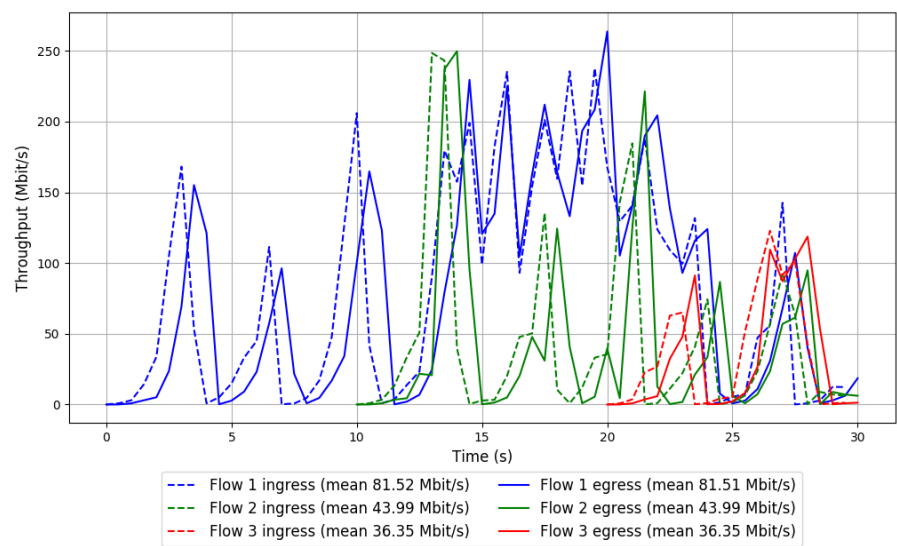


Run 2: Statistics of Verus

Start at: 2019-01-03 10:05:21
End at: 2019-01-03 10:05:51
Local clock offset: -0.279 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-01-03 15:13:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.21 Mbit/s
95th percentile per-packet one-way delay: 186.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 198.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.99 Mbit/s
95th percentile per-packet one-way delay: 179.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 136.852 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

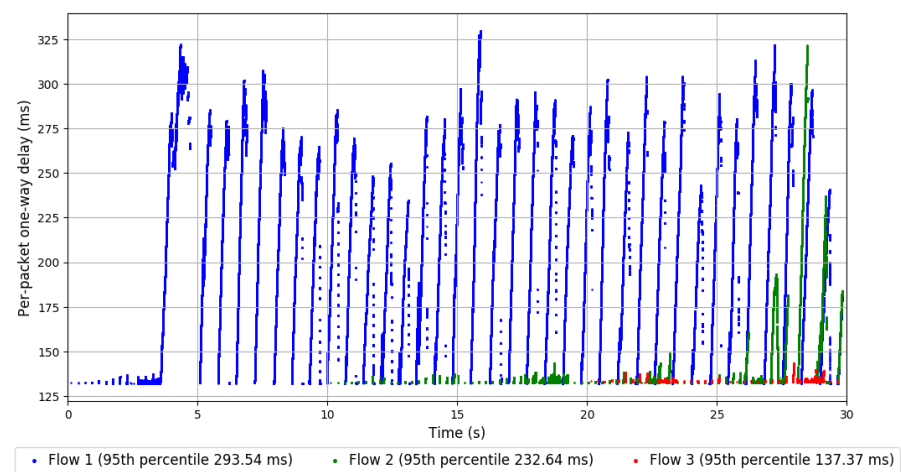
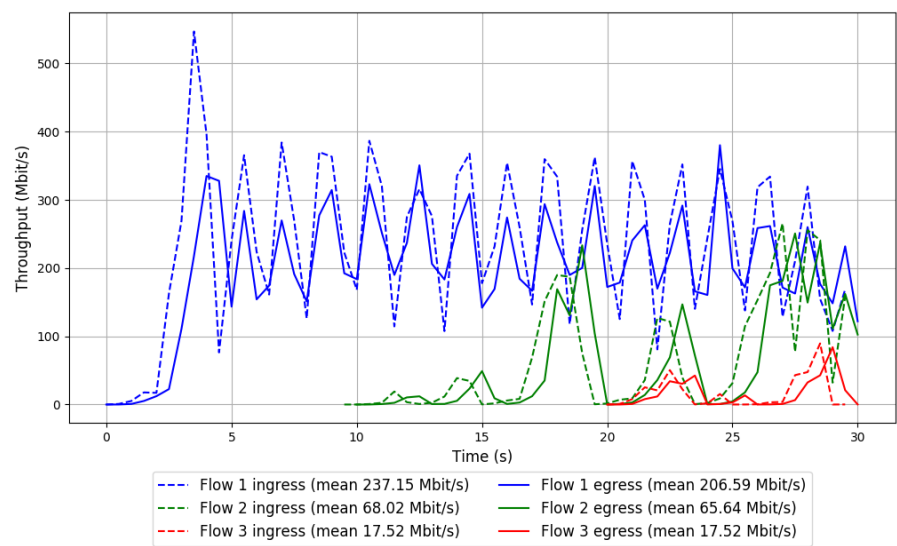


Run 3: Statistics of Verus

Start at: 2019-01-03 10:41:51
End at: 2019-01-03 10:42:21
Local clock offset: 0.193 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-01-03 15:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.73 Mbit/s
95th percentile per-packet one-way delay: 291.477 ms
Loss rate: 11.16%
-- Flow 1:
Average throughput: 206.59 Mbit/s
95th percentile per-packet one-way delay: 293.536 ms
Loss rate: 12.88%
-- Flow 2:
Average throughput: 65.64 Mbit/s
95th percentile per-packet one-way delay: 232.643 ms
Loss rate: 3.51%
-- Flow 3:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 137.372 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

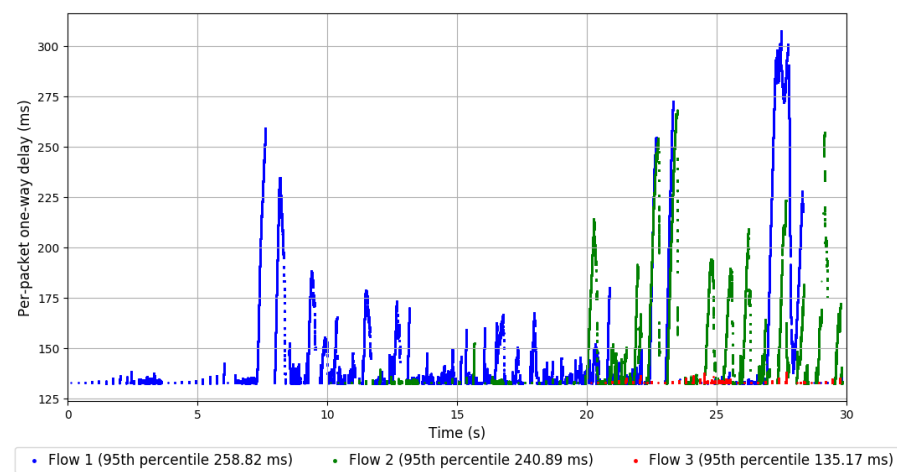
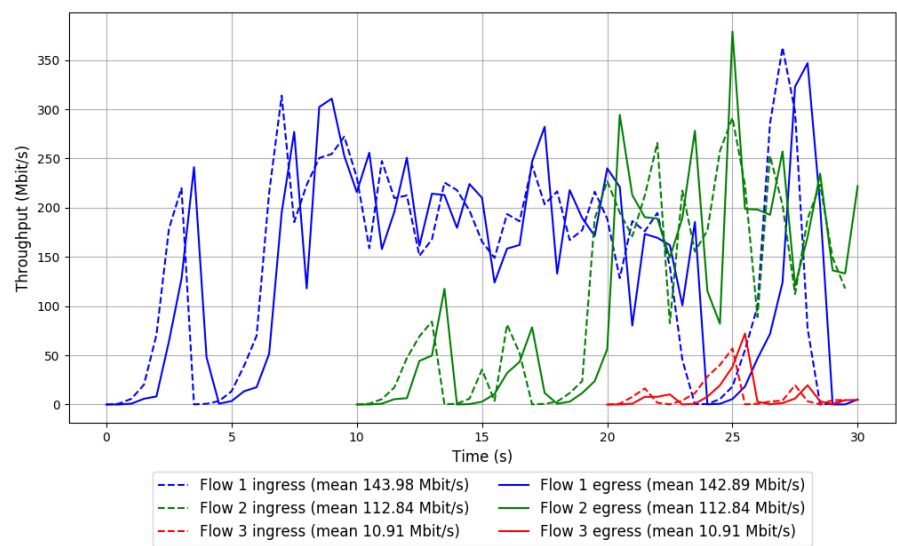


Run 4: Statistics of Verus

Start at: 2019-01-03 11:18:13
End at: 2019-01-03 11:18:43
Local clock offset: -0.503 ms
Remote clock offset: -0.39 ms

Below is generated by plot.py at 2019-01-03 15:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 247.290 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 142.89 Mbit/s
95th percentile per-packet one-way delay: 258.818 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 112.84 Mbit/s
95th percentile per-packet one-way delay: 240.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 135.169 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

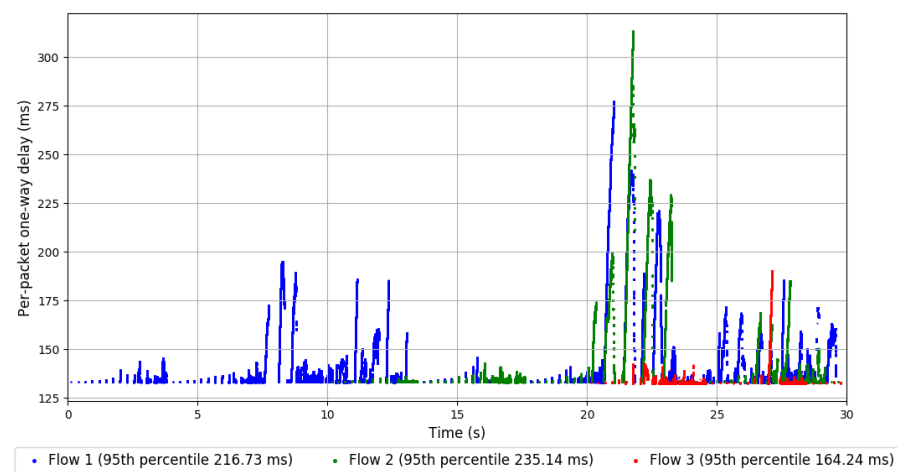
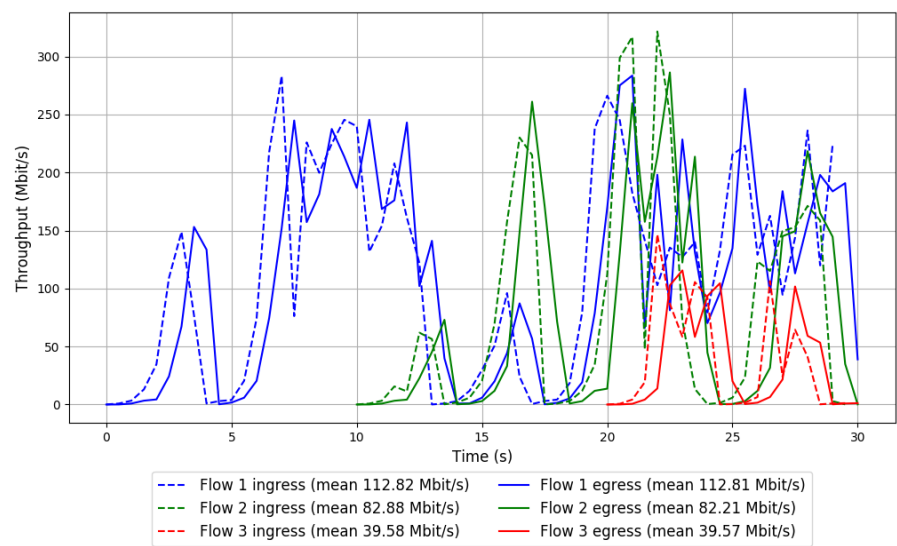


Run 5: Statistics of Verus

Start at: 2019-01-03 11:53:39
End at: 2019-01-03 11:54:09
Local clock offset: 0.305 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-01-03 15:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.08 Mbit/s
95th percentile per-packet one-way delay: 223.453 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 112.81 Mbit/s
95th percentile per-packet one-way delay: 216.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 235.142 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 164.241 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

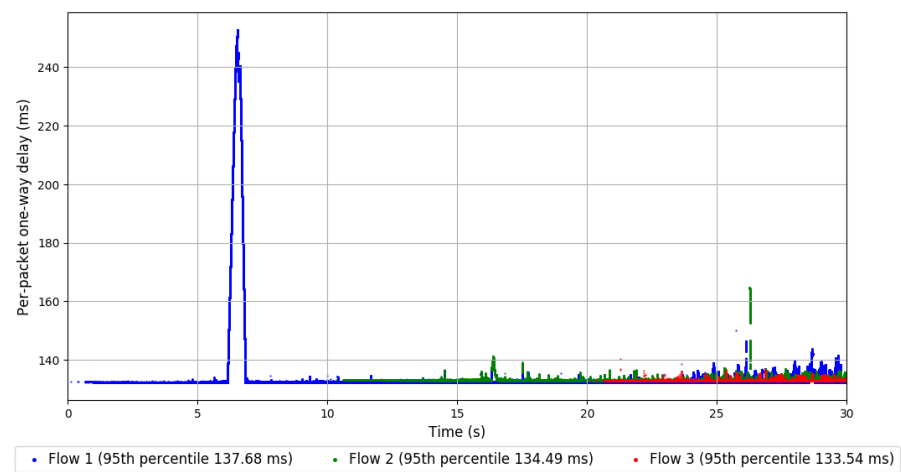
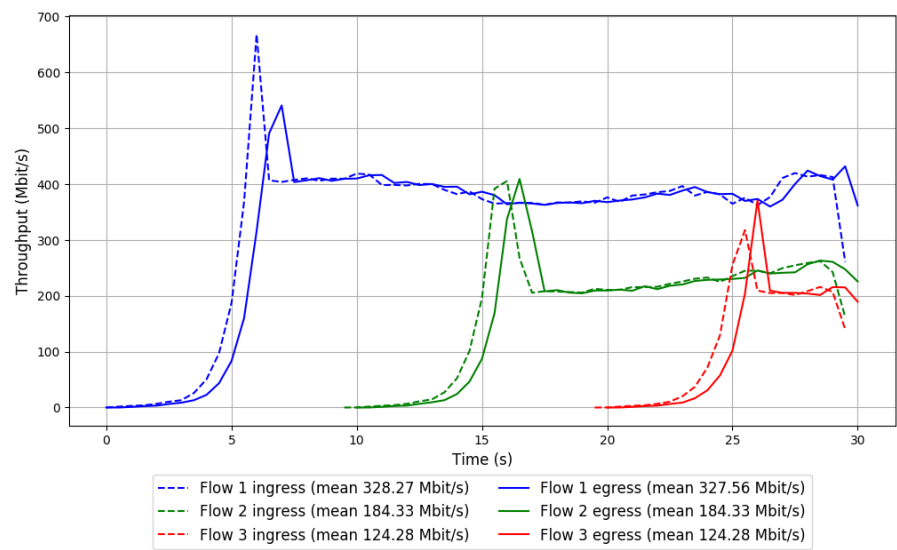


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-03 09:40:18
End at: 2019-01-03 09:40:48
Local clock offset: -0.126 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-01-03 15:18:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 491.42 Mbit/s
95th percentile per-packet one-way delay: 135.982 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 327.56 Mbit/s
95th percentile per-packet one-way delay: 137.681 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 184.33 Mbit/s
95th percentile per-packet one-way delay: 134.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.28 Mbit/s
95th percentile per-packet one-way delay: 133.543 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

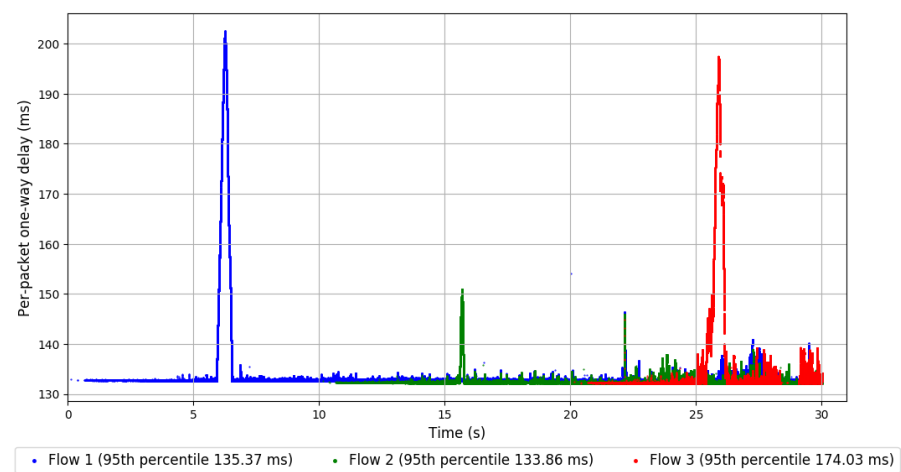
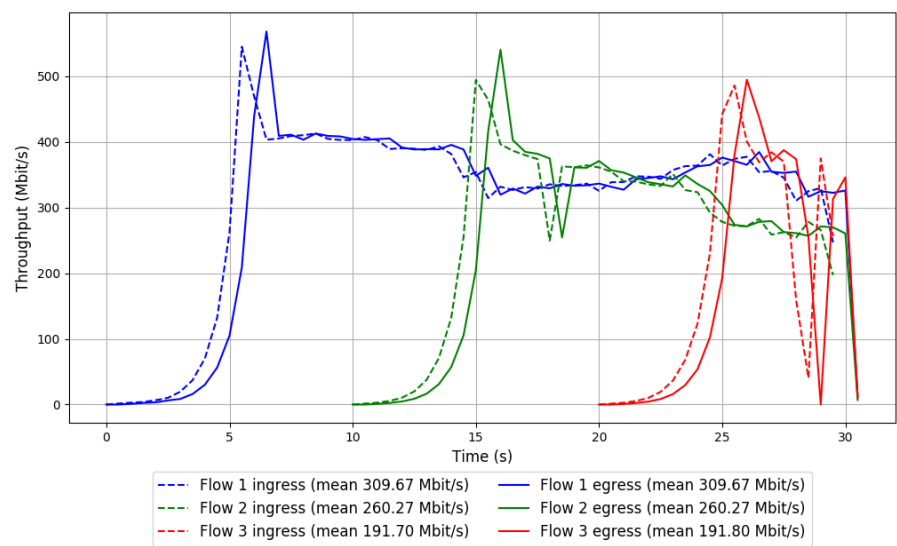


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-03 10:16:16
End at: 2019-01-03 10:16:46
Local clock offset: 0.196 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2019-01-03 15:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 545.94 Mbit/s
95th percentile per-packet one-way delay: 138.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.67 Mbit/s
95th percentile per-packet one-way delay: 135.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 260.27 Mbit/s
95th percentile per-packet one-way delay: 133.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 191.80 Mbit/s
95th percentile per-packet one-way delay: 174.033 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

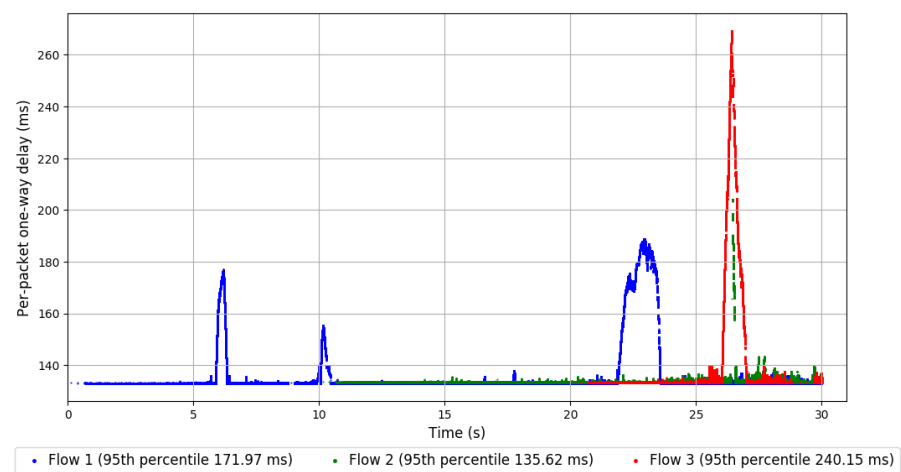
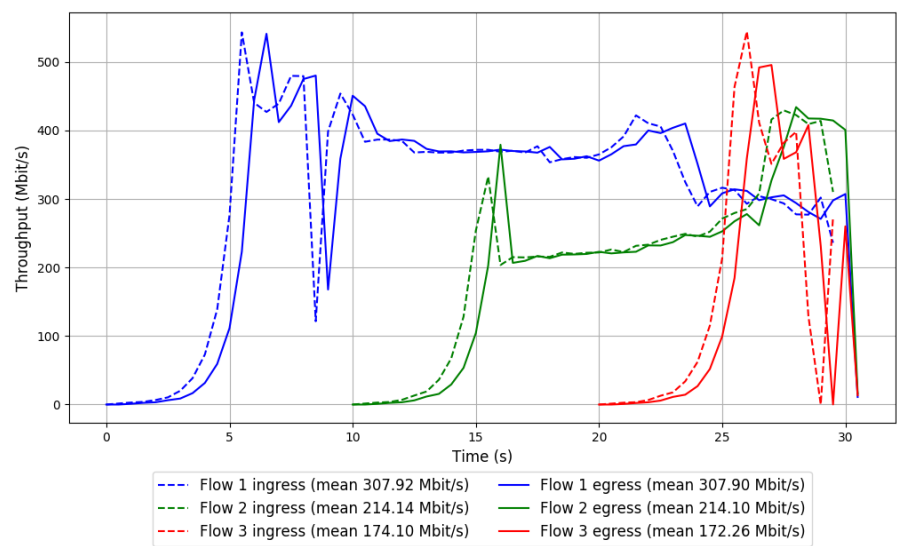


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-03 10:52:55
End at: 2019-01-03 10:53:25
Local clock offset: -0.341 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-01-03 15:20:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.90 Mbit/s
95th percentile per-packet one-way delay: 173.950 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 307.90 Mbit/s
95th percentile per-packet one-way delay: 171.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 214.10 Mbit/s
95th percentile per-packet one-way delay: 135.621 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 172.26 Mbit/s
95th percentile per-packet one-way delay: 240.152 ms
Loss rate: 1.05%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-03 11:28:42

End at: 2019-01-03 11:29:12

Local clock offset: 0.318 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-01-03 15:21:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 472.48 Mbit/s

95th percentile per-packet one-way delay: 135.034 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 308.05 Mbit/s

95th percentile per-packet one-way delay: 138.360 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 188.19 Mbit/s

95th percentile per-packet one-way delay: 133.446 ms

Loss rate: 0.00%

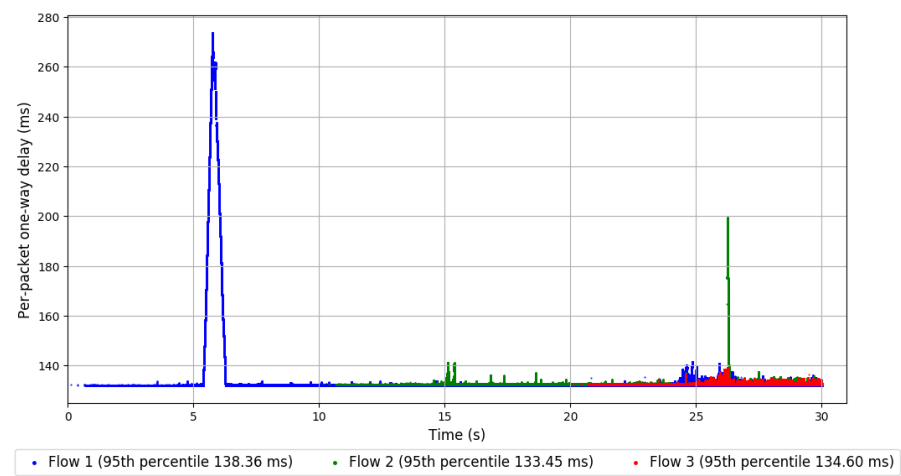
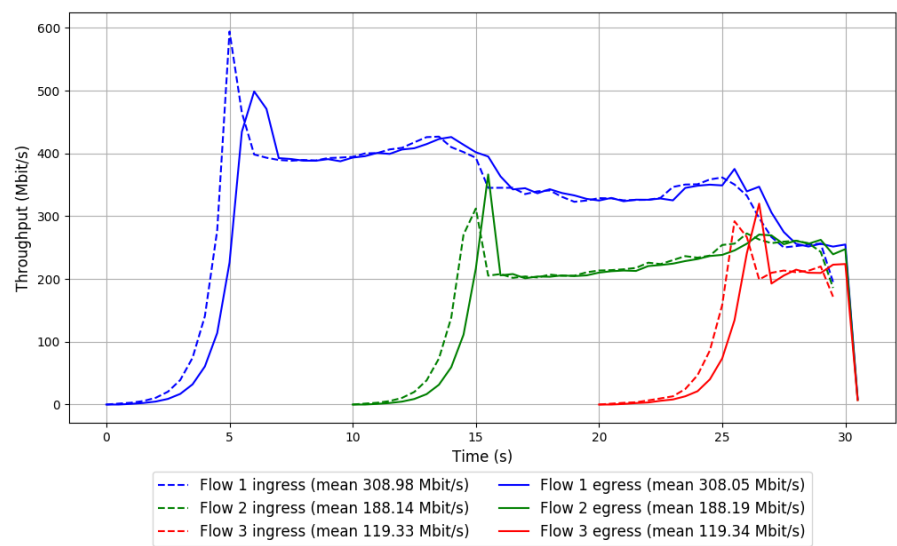
-- Flow 3:

Average throughput: 119.34 Mbit/s

95th percentile per-packet one-way delay: 134.602 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

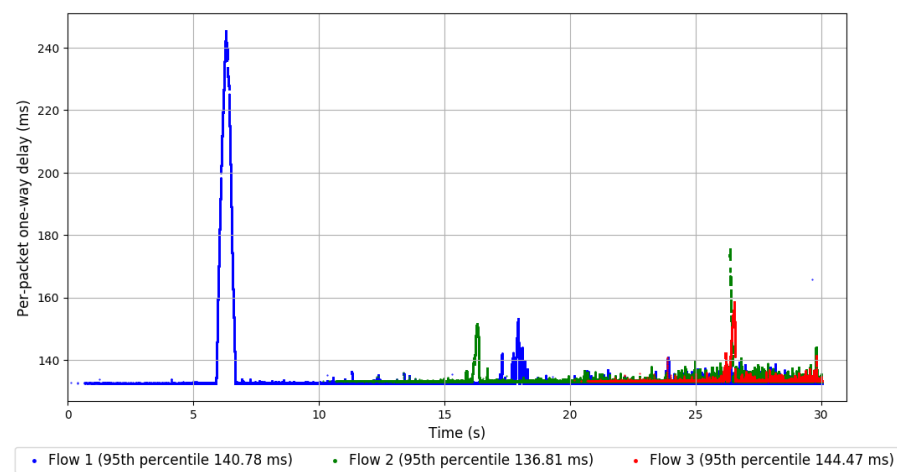
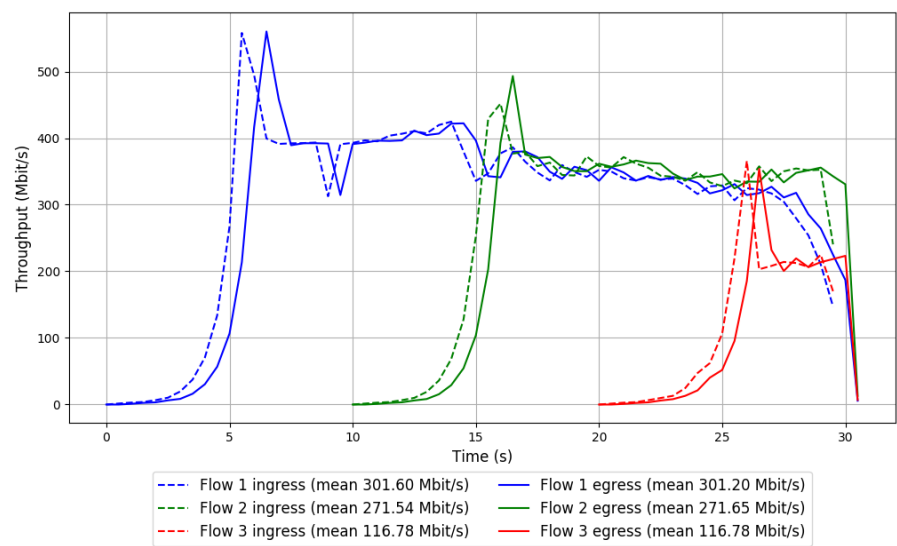


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-03 12:04:16
End at: 2019-01-03 12:04:46
Local clock offset: 0.123 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-01-03 15:21:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.30 Mbit/s
95th percentile per-packet one-way delay: 138.800 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 301.20 Mbit/s
95th percentile per-packet one-way delay: 140.775 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 271.65 Mbit/s
95th percentile per-packet one-way delay: 136.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.78 Mbit/s
95th percentile per-packet one-way delay: 144.469 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

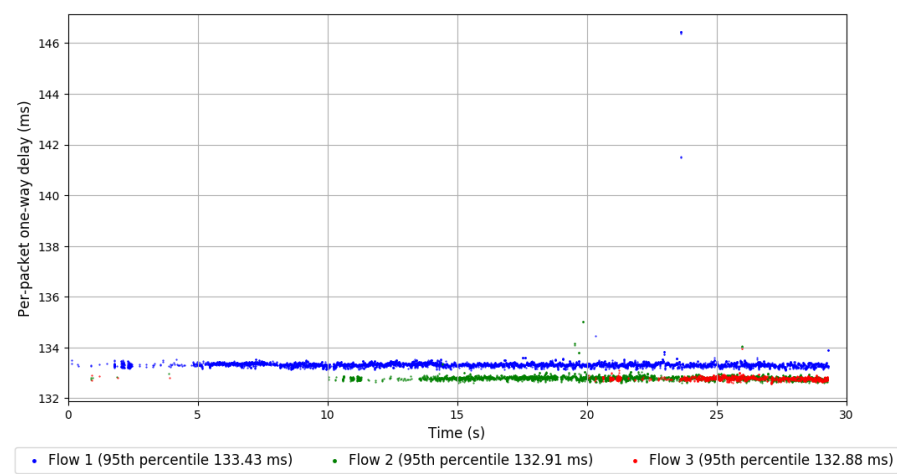
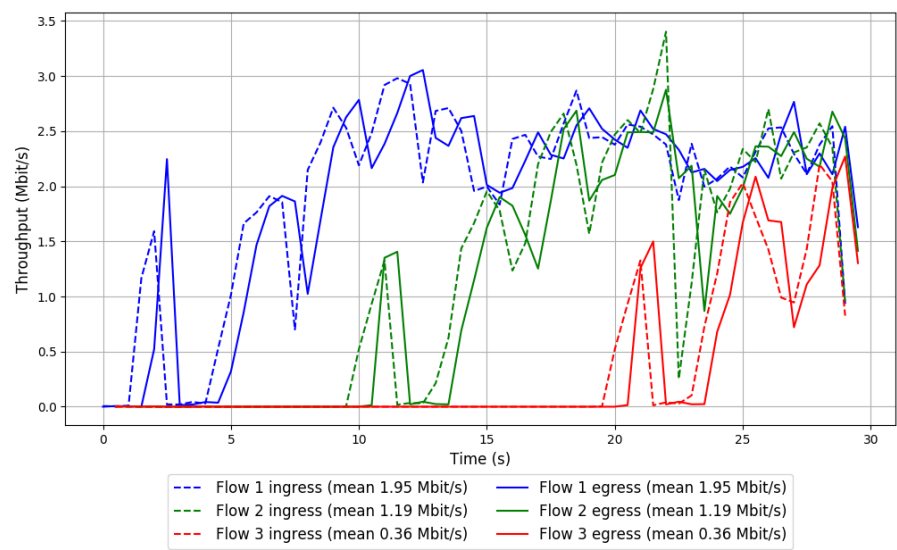


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-03 09:31:09
End at: 2019-01-03 09:31:39
Local clock offset: -0.005 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-01-03 15:21:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 133.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 133.434 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 132.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 132.882 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-03 10:06:58

End at: 2019-01-03 10:07:28

Local clock offset: -0.177 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-01-03 15:21:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 133.166 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.200 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.138 ms

Loss rate: 0.00%

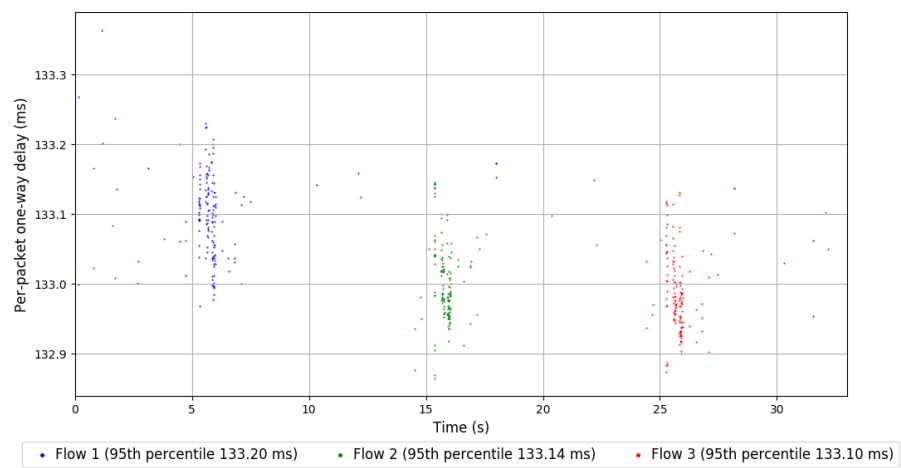
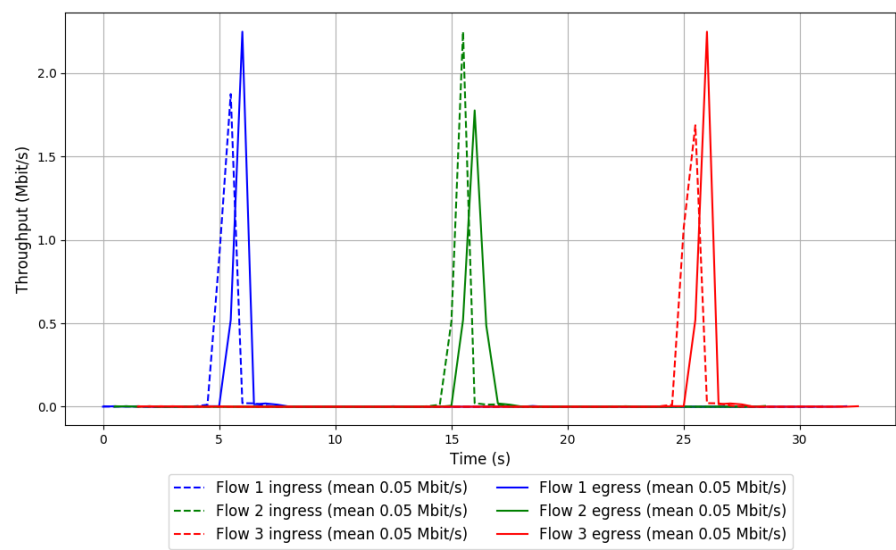
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.103 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

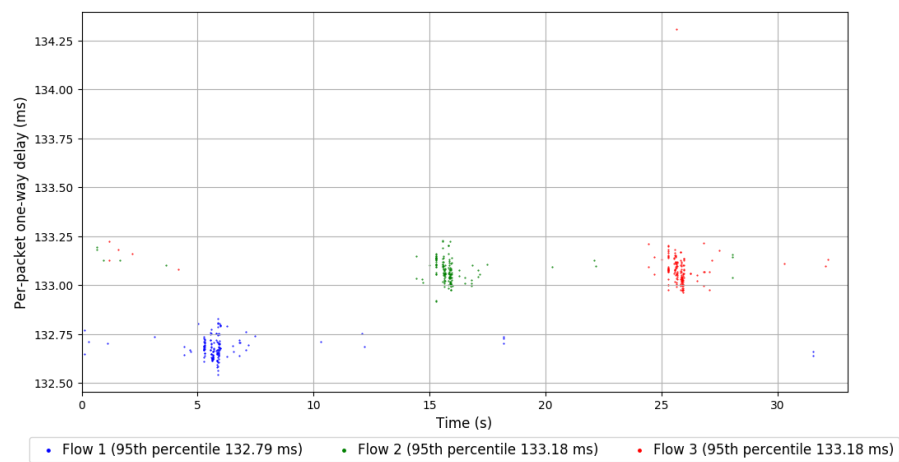
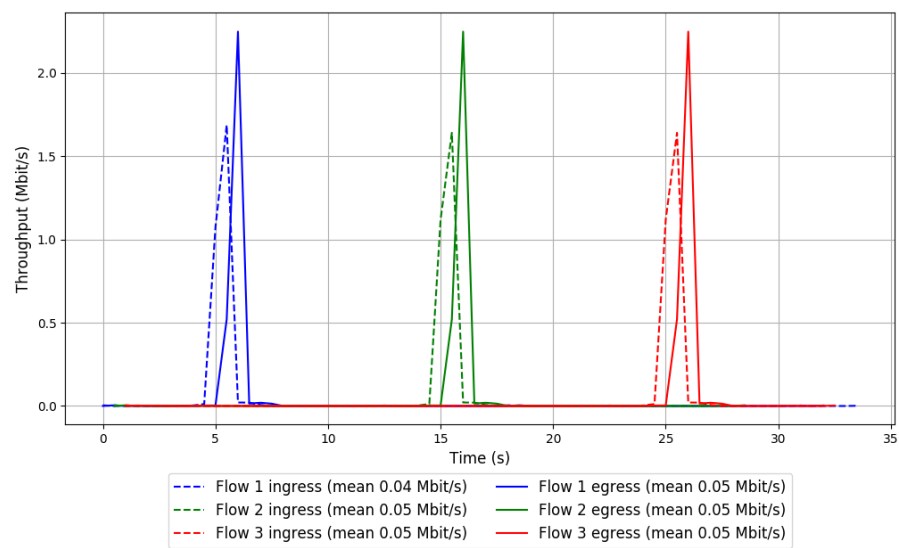


Run 3: Statistics of WebRTC media

Start at: 2019-01-03 10:43:42
End at: 2019-01-03 10:44:12
Local clock offset: -0.248 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-01-03 15:21:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 133.164 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.790 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.184 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-01-03 11:19:58

End at: 2019-01-03 11:20:28

Local clock offset: 0.09 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-01-03 15:21:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 133.134 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.786 ms

Loss rate: 0.00%

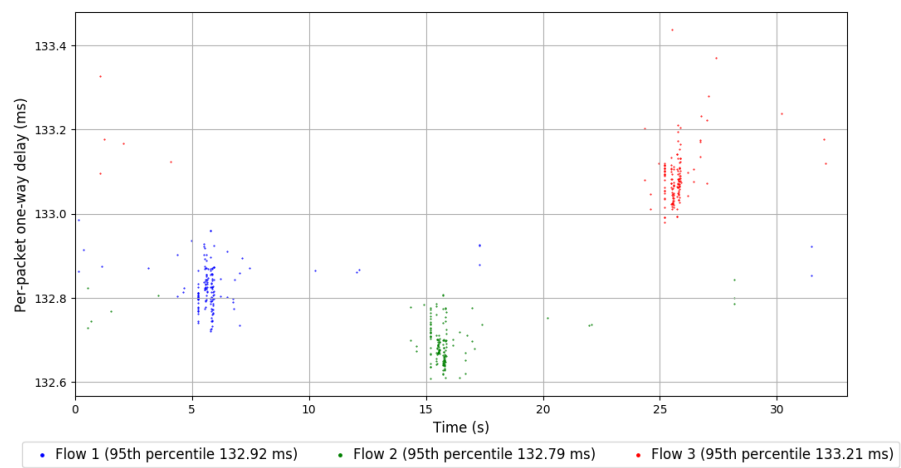
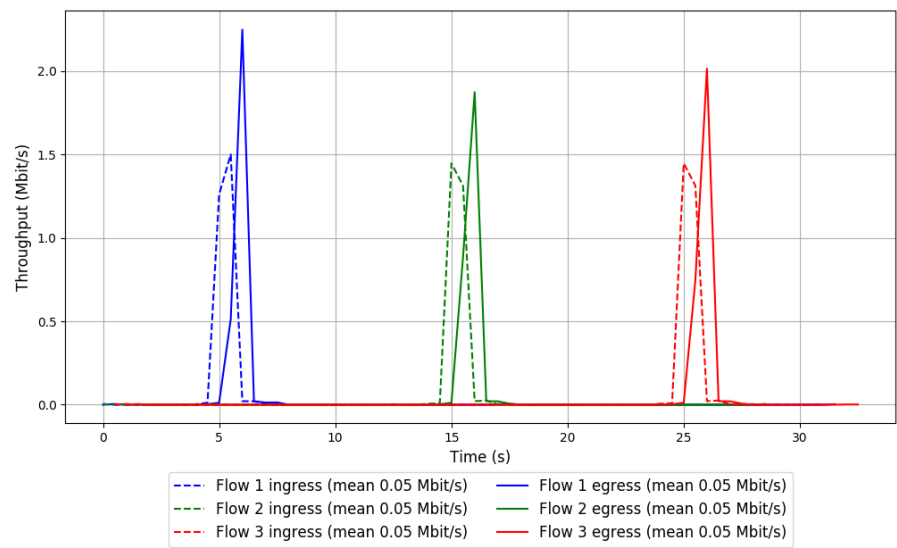
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.211 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-03 11:55:20
End at: 2019-01-03 11:55:50
Local clock offset: -0.008 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-01-03 15:21:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 133.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 132.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.495 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

