

Pantheon Report

Generated at 2018-07-05 12:15:22 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

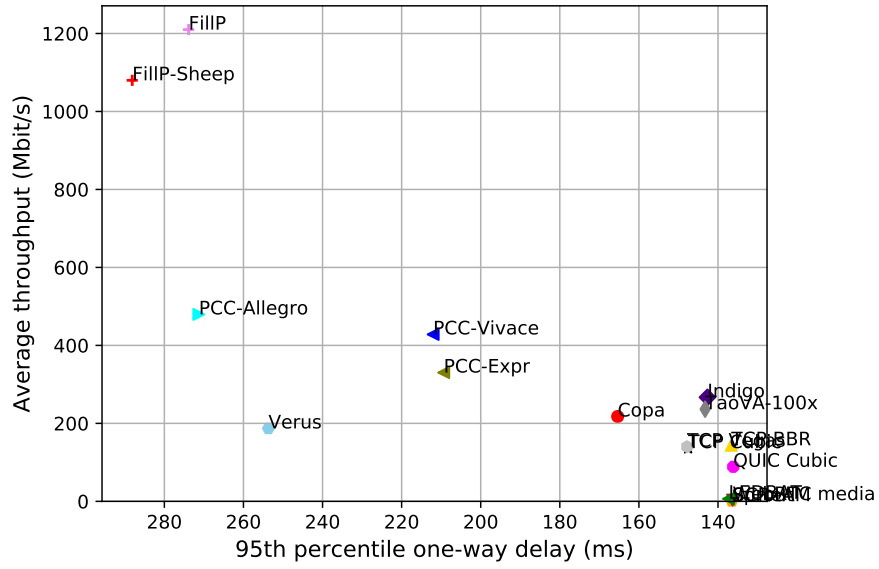
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

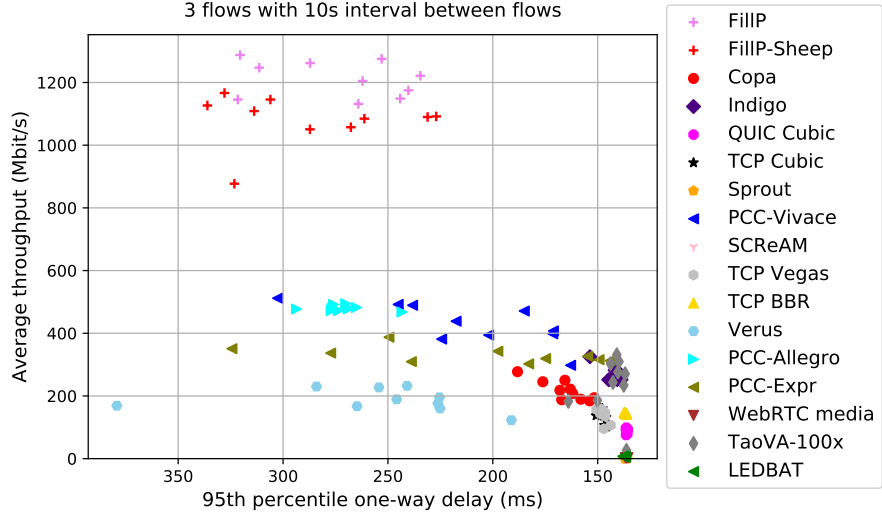
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	73.77	73.22	66.01	136.38	136.66	137.74	0.95	1.54	3.39
Copa	10	120.75	102.57	90.57	164.41	162.31	155.48	0.51	1.40	3.22
TCP Cubic	10	76.06	65.29	53.64	146.99	147.19	147.92	1.11	1.57	4.89
FillP	10	652.81	603.68	483.29	278.01	277.56	239.16	5.49	6.47	8.64
FillP-Sheep	10	578.70	530.16	461.44	291.95	268.95	225.56	8.14	9.52	6.61
Indigo	10	136.84	138.67	118.34	141.04	143.70	146.08	0.96	1.50	3.62
LEDBAT	10	4.42	2.64	1.27	137.39	137.19	136.87	1.93	2.73	5.67
PCC-Allegro	10	451.98	31.90	19.82	271.63	266.34	246.88	3.69	3.23	4.88
PCC-Expr	10	202.64	164.01	59.15	213.09	189.27	184.37	2.52	2.12	4.12
QUIC Cubic	10	50.05	43.84	29.21	135.83	135.91	136.17	1.22	2.12	2.84
SCReAM	10	0.22	0.22	0.22	136.02	136.01	135.92	0.89	1.41	2.52
Sprout	10	0.16	0.17	0.19	136.36	136.34	136.51	0.74	1.14	1.66
TaoVA-100x	10	140.75	113.23	63.20	140.96	143.19	144.10	0.72	1.33	2.85
TCP Vegas	10	72.14	79.02	49.04	147.04	147.51	146.44	0.95	1.53	3.65
Verus	10	115.38	85.70	48.35	229.13	271.53	244.95	1.76	4.13	5.93
PCC-Vivace	10	263.21	188.87	123.36	219.02	197.61	192.86	1.88	2.22	6.02
WebRTC media	10	1.80	1.10	0.36	136.10	136.08	136.33	1.52	1.88	5.36

Run 1: Statistics of TCP BBR

Start at: 2018-07-05 05:15:45

End at: 2018-07-05 05:16:15

Local clock offset: -0.05 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2018-07-05 09:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.43 Mbit/s

95th percentile per-packet one-way delay: 136.285 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 73.55 Mbit/s

95th percentile per-packet one-way delay: 136.227 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 136.346 ms

Loss rate: 1.58%

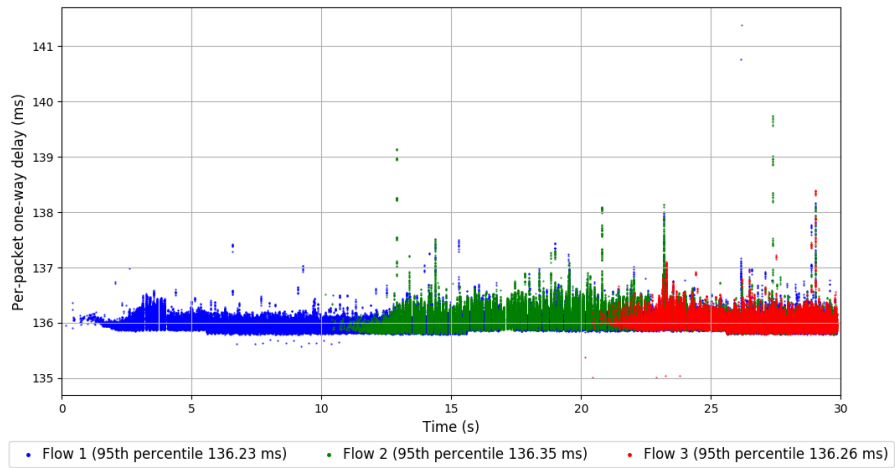
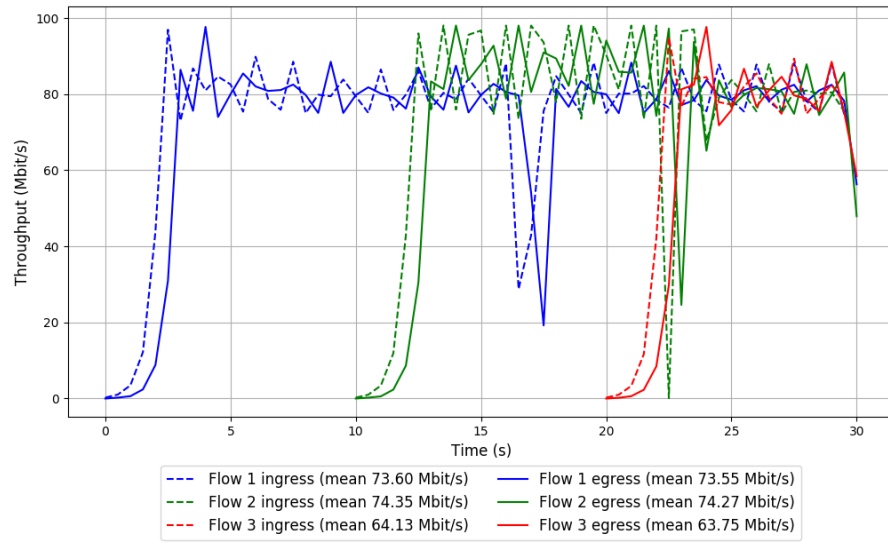
-- Flow 3:

Average throughput: 63.75 Mbit/s

95th percentile per-packet one-way delay: 136.256 ms

Loss rate: 3.33%

Run 1: Report of TCP BBR — Data Link

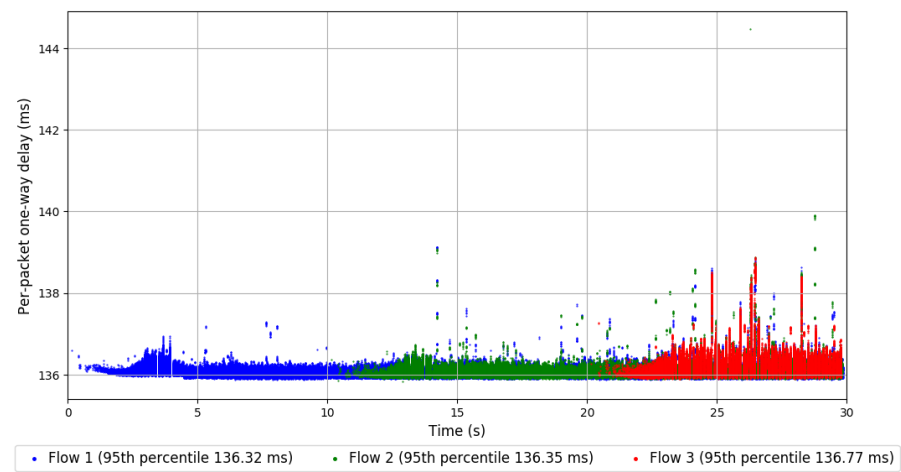
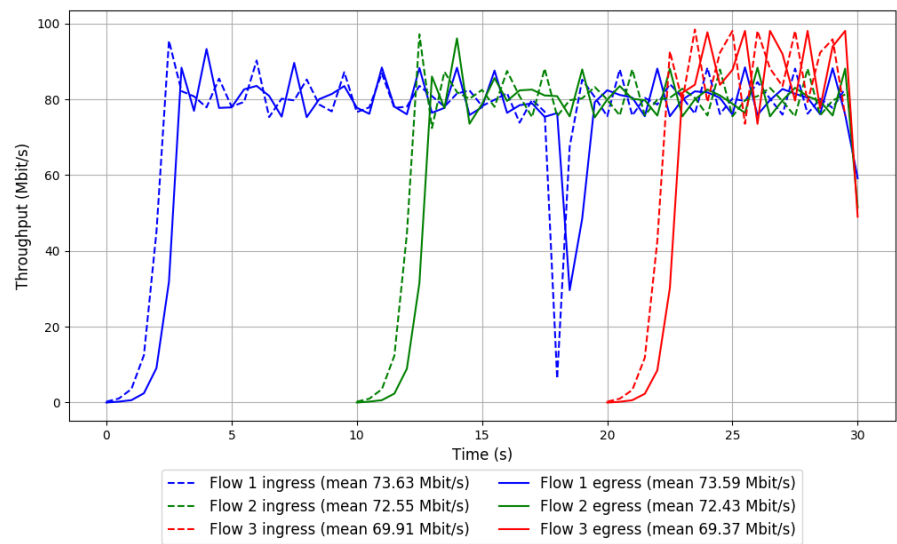


Run 2: Statistics of TCP BBR

Start at: 2018-07-05 05:42:46
End at: 2018-07-05 05:43:16
Local clock offset: -0.017 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-05 09:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.99 Mbit/s
95th percentile per-packet one-way delay: 136.423 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 136.323 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 136.348 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 136.773 ms
Loss rate: 3.54%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-05 06:10:02

End at: 2018-07-05 06:10:32

Local clock offset: 0.143 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-07-05 09:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.79 Mbit/s

95th percentile per-packet one-way delay: 137.021 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: 136.808 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 70.39 Mbit/s

95th percentile per-packet one-way delay: 136.500 ms

Loss rate: 1.66%

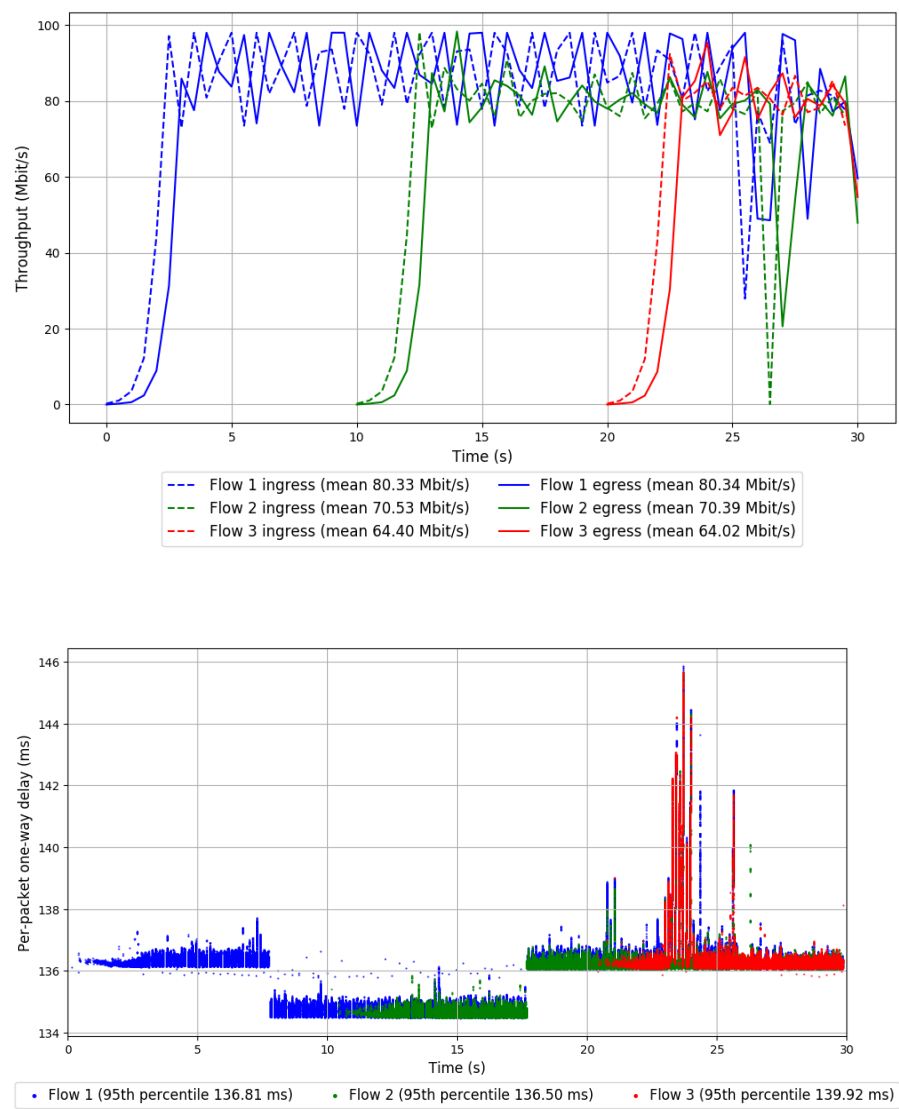
-- Flow 3:

Average throughput: 64.02 Mbit/s

95th percentile per-packet one-way delay: 139.923 ms

Loss rate: 3.29%

Run 3: Report of TCP BBR — Data Link

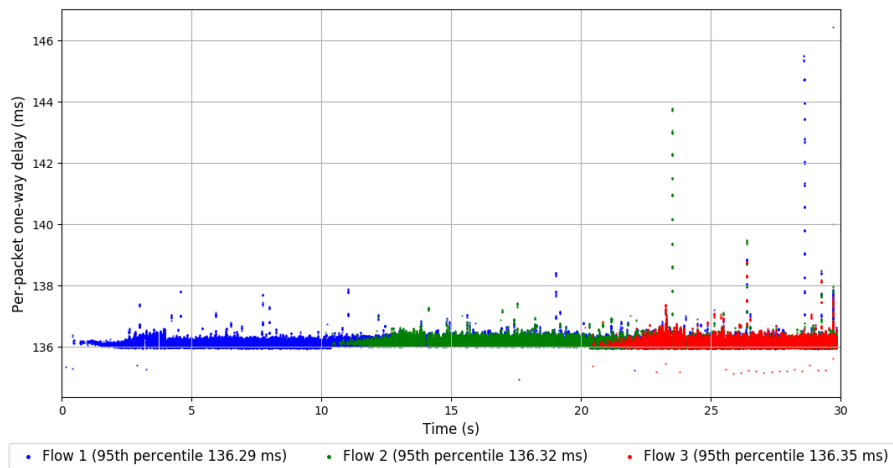
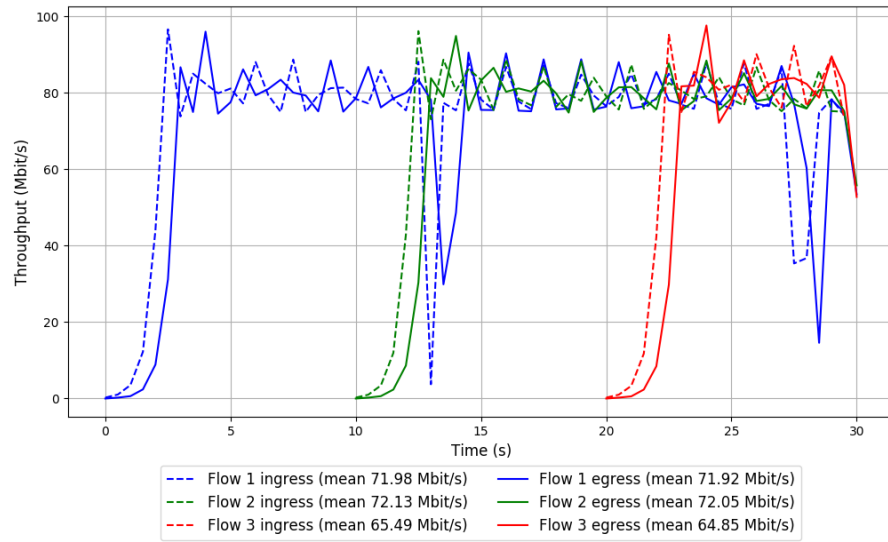


Run 4: Statistics of TCP BBR

Start at: 2018-07-05 06:37:10
End at: 2018-07-05 06:37:40
Local clock offset: -0.301 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-05 09:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.82 Mbit/s
95th percentile per-packet one-way delay: 136.313 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 136.295 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 72.05 Mbit/s
95th percentile per-packet one-way delay: 136.322 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 136.351 ms
Loss rate: 3.48%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-05 07:04:17

End at: 2018-07-05 07:04:47

Local clock offset: 0.034 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-07-05 09:52:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.49 Mbit/s

95th percentile per-packet one-way delay: 137.477 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 73.43 Mbit/s

95th percentile per-packet one-way delay: 136.359 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 138.217 ms

Loss rate: 1.56%

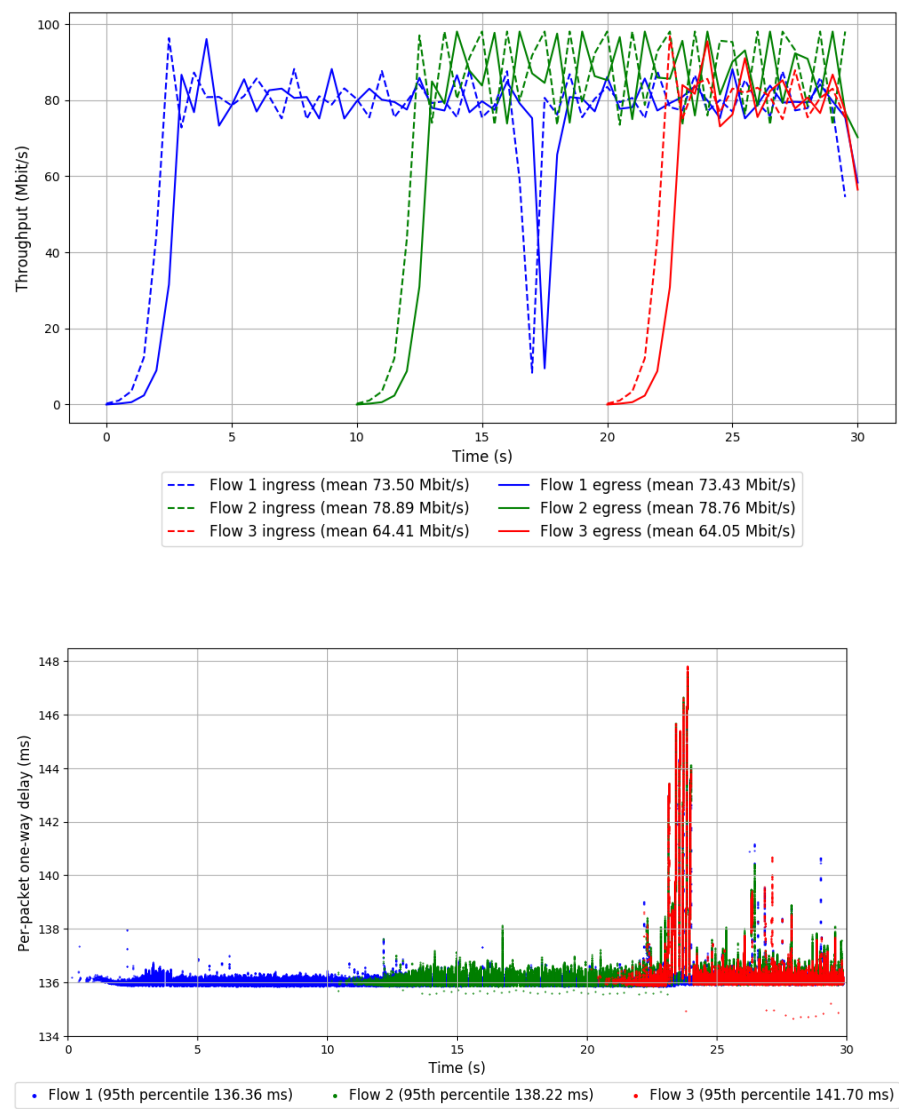
-- Flow 3:

Average throughput: 64.05 Mbit/s

95th percentile per-packet one-way delay: 141.698 ms

Loss rate: 3.29%

Run 5: Report of TCP BBR — Data Link

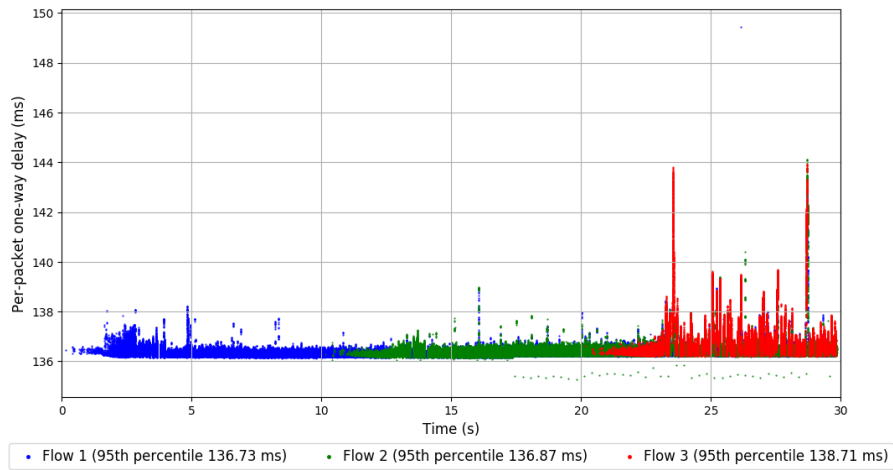
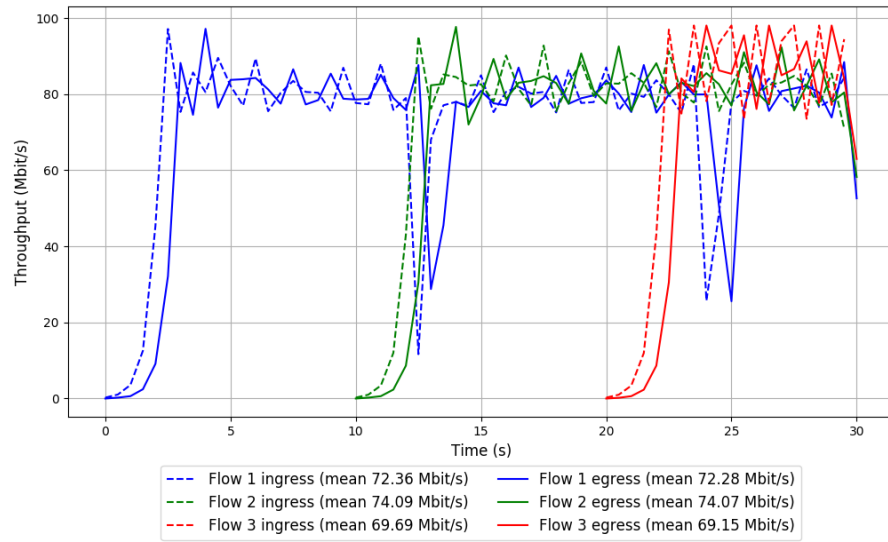


Run 6: Statistics of TCP BBR

Start at: 2018-07-05 07:31:13
End at: 2018-07-05 07:31:43
Local clock offset: -0.106 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-07-05 09:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.79 Mbit/s
95th percentile per-packet one-way delay: 137.209 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 136.869 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 138.710 ms
Loss rate: 3.54%

Run 6: Report of TCP BBR — Data Link

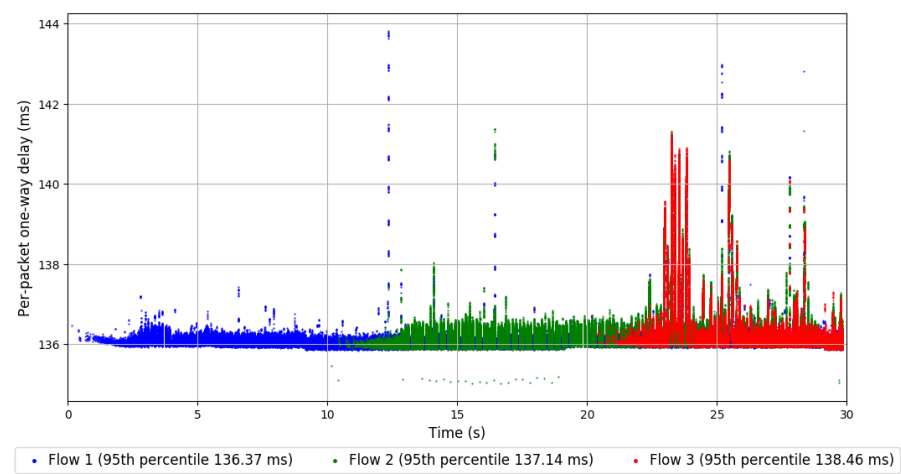
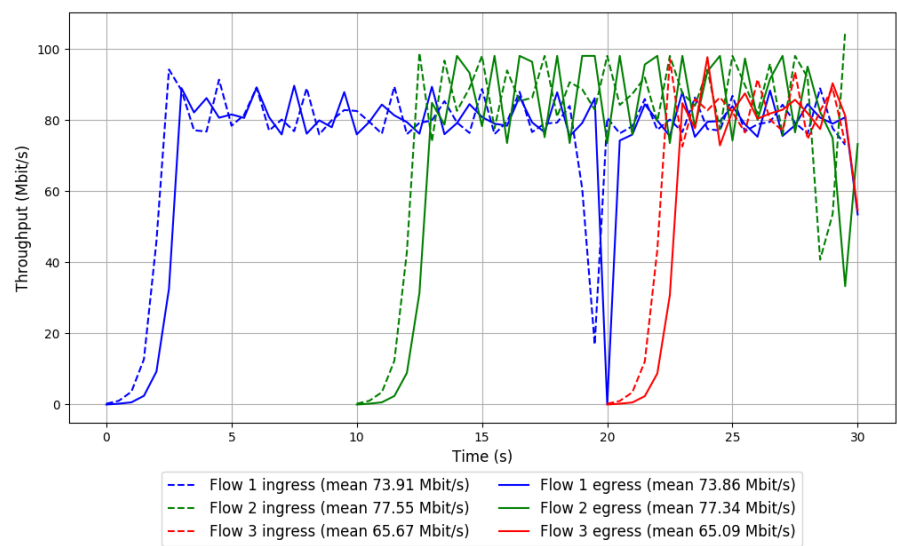


Run 7: Statistics of TCP BBR

Start at: 2018-07-05 07:58:11
End at: 2018-07-05 07:58:41
Local clock offset: -0.08 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-05 09:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.34 Mbit/s
95th percentile per-packet one-way delay: 136.906 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 73.86 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 137.138 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 65.09 Mbit/s
95th percentile per-packet one-way delay: 138.462 ms
Loss rate: 3.33%

Run 7: Report of TCP BBR — Data Link

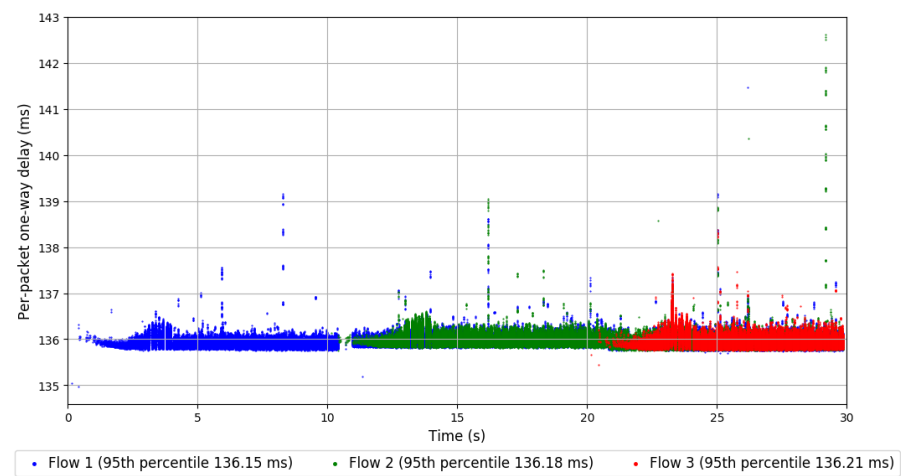
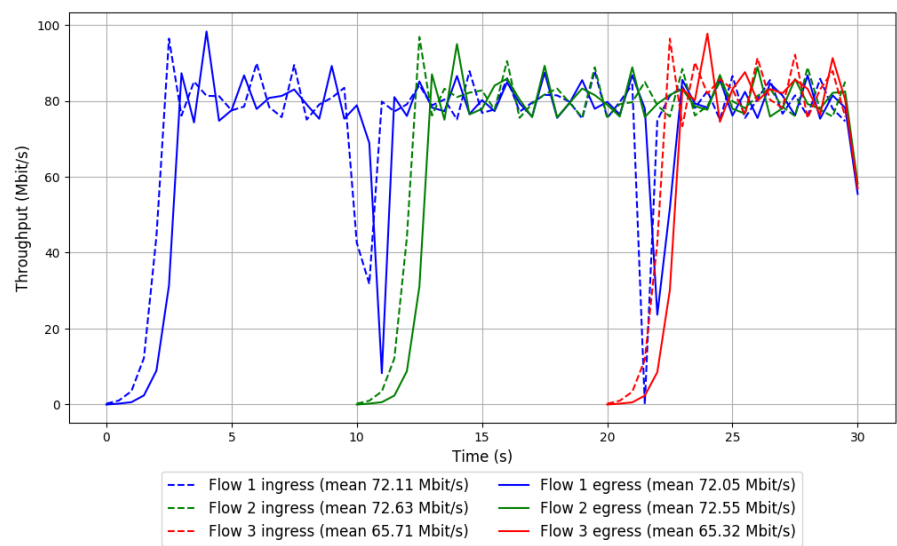


Run 8: Statistics of TCP BBR

Start at: 2018-07-05 08:25:09
End at: 2018-07-05 08:25:39
Local clock offset: -0.181 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-05 09:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.46 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 72.05 Mbit/s
95th percentile per-packet one-way delay: 136.149 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 136.180 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
Loss rate: 3.31%

Run 8: Report of TCP BBR — Data Link

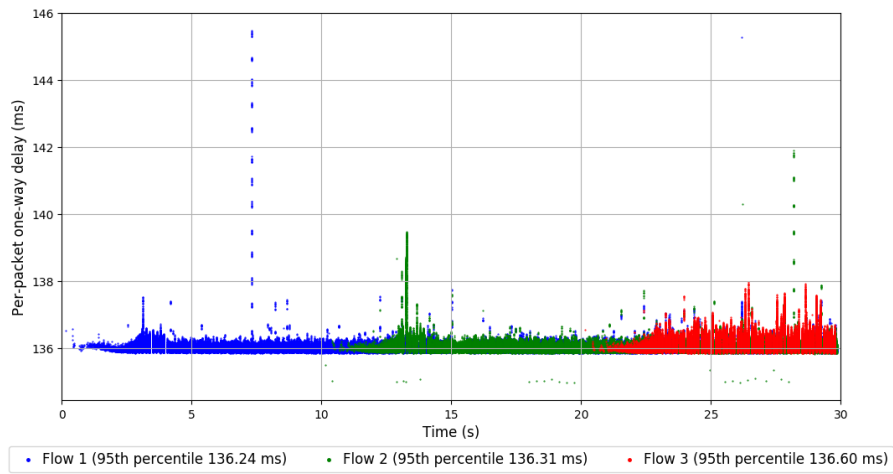
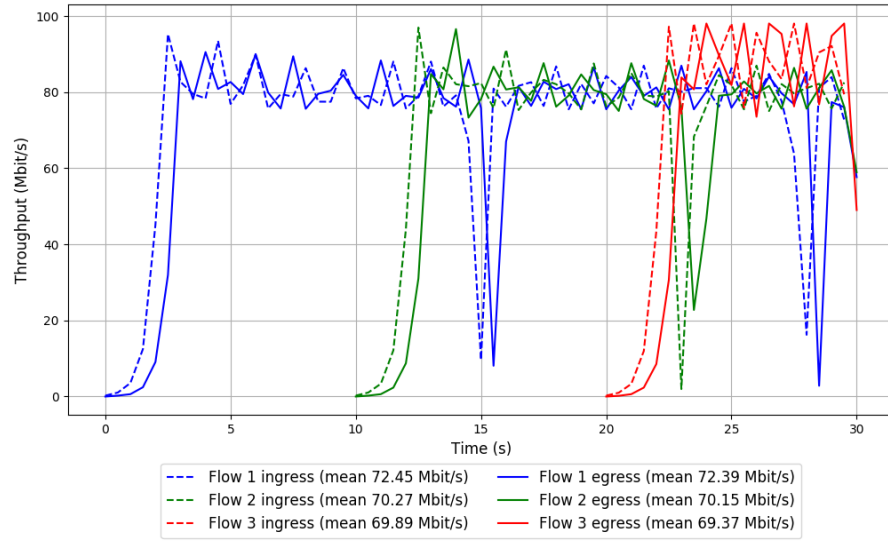


Run 9: Statistics of TCP BBR

Start at: 2018-07-05 08:51:59
End at: 2018-07-05 08:52:29
Local clock offset: -0.028 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-05 09:53:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.36 Mbit/s
95th percentile per-packet one-way delay: 136.362 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 136.241 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 136.305 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 3.54%

Run 9: Report of TCP BBR — Data Link

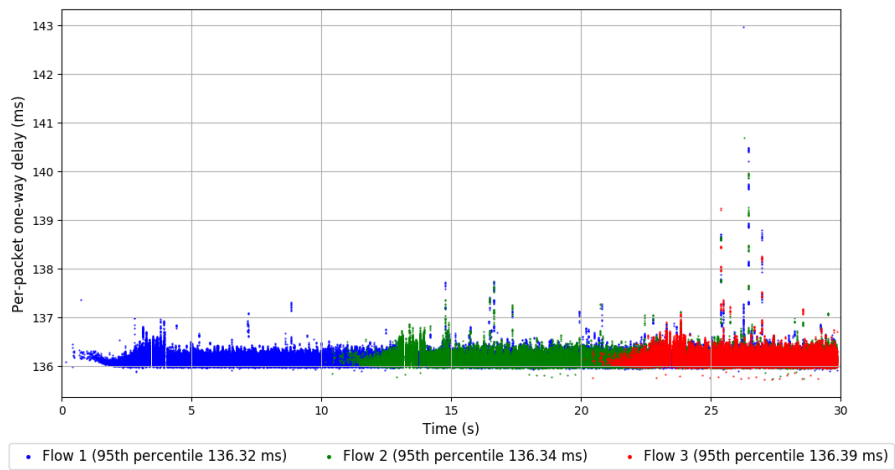
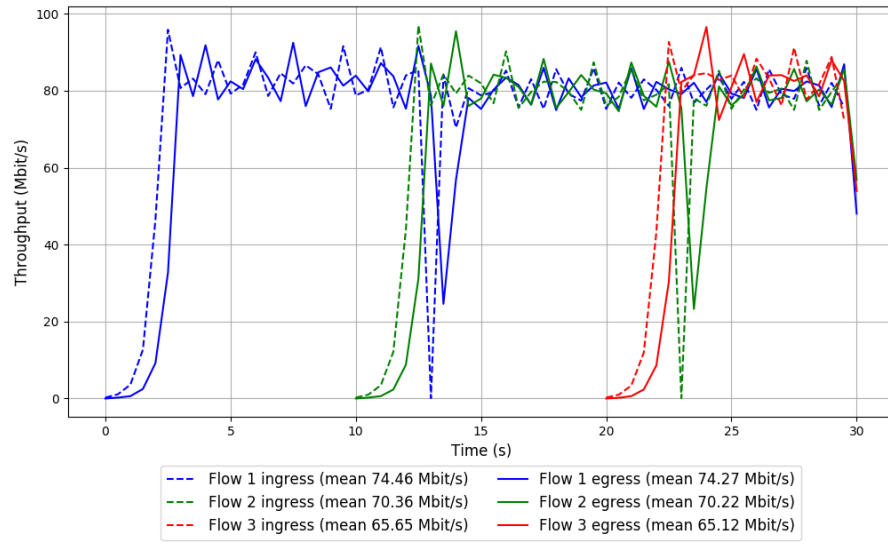


Run 10: Statistics of TCP BBR

Start at: 2018-07-05 09:19:10
End at: 2018-07-05 09:19:40
Local clock offset: 0.097 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-05 09:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.06 Mbit/s
95th percentile per-packet one-way delay: 136.338 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 74.27 Mbit/s
95th percentile per-packet one-way delay: 136.318 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 136.341 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 3.29%

Run 10: Report of TCP BBR — Data Link

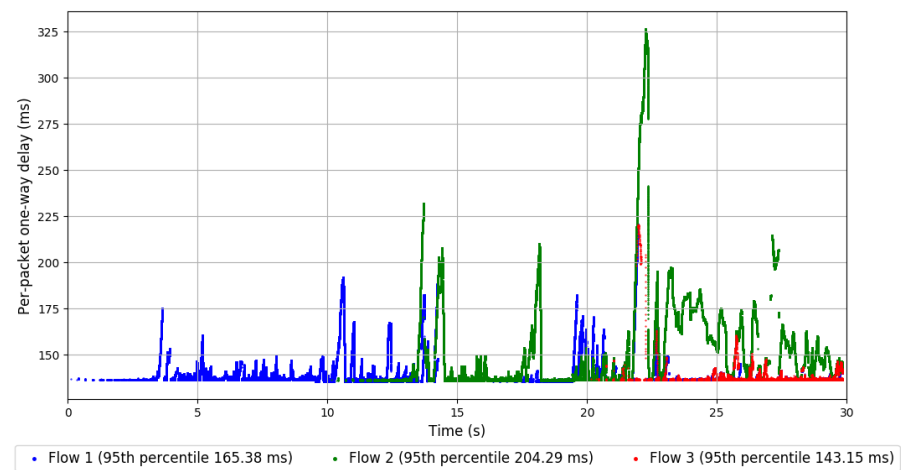
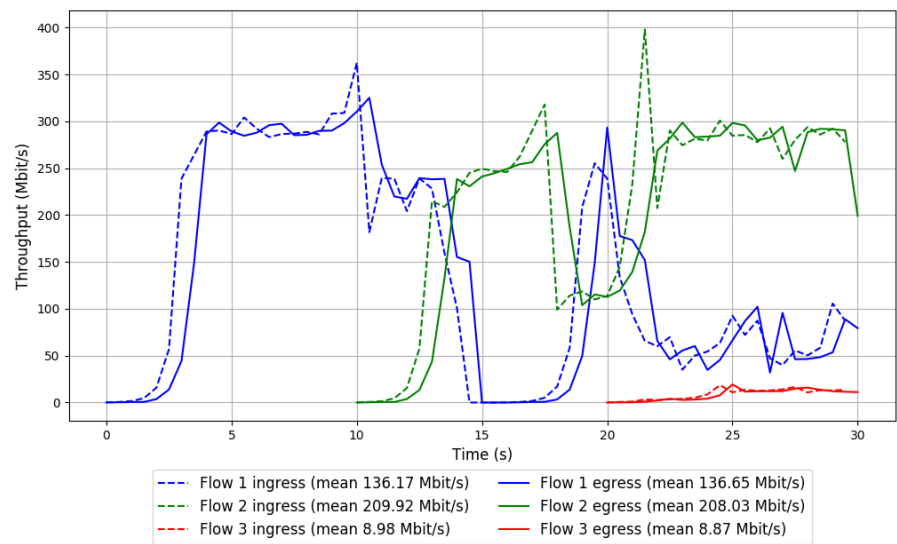


Run 1: Statistics of Copa

Start at: 2018-07-05 05:21:01
End at: 2018-07-05 05:21:31
Local clock offset: -0.049 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-05 10:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.44 Mbit/s
95th percentile per-packet one-way delay: 188.230 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 136.65 Mbit/s
95th percentile per-packet one-way delay: 165.375 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 208.03 Mbit/s
95th percentile per-packet one-way delay: 204.295 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 143.146 ms
Loss rate: 3.89%

Run 1: Report of Copa — Data Link

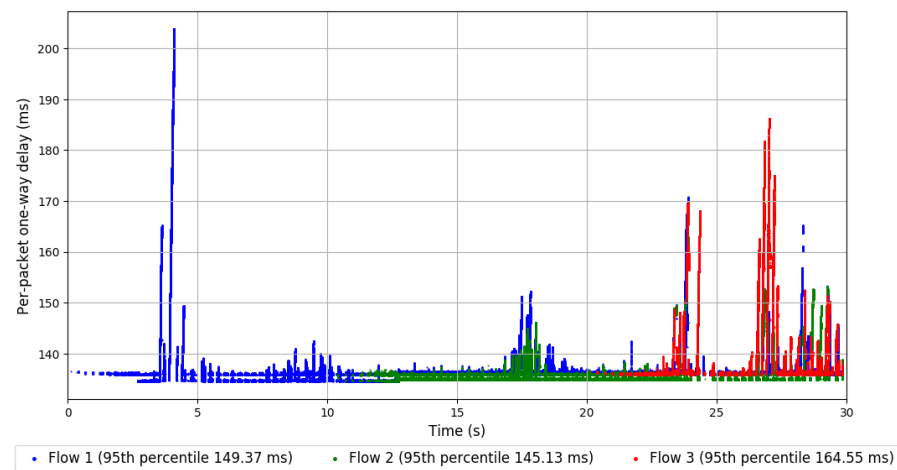
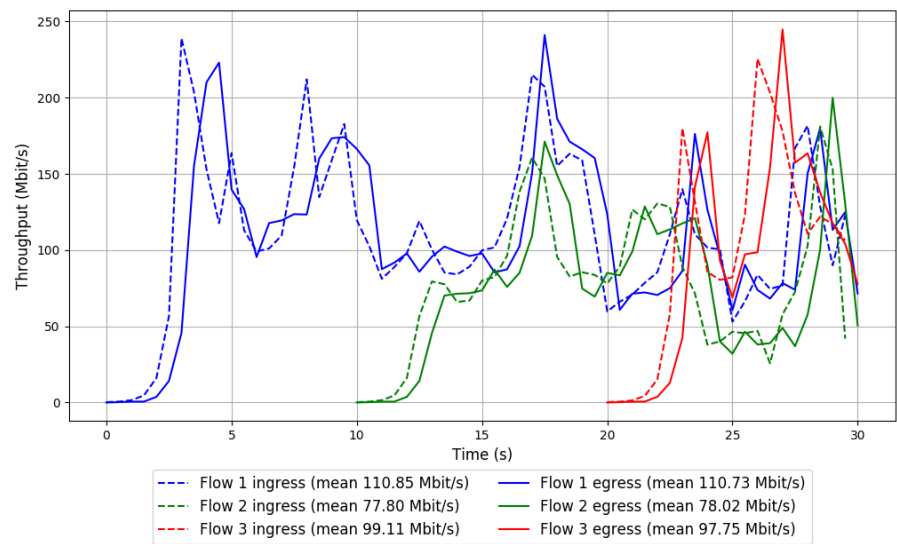


Run 2: Statistics of Copa

Start at: 2018-07-05 05:48:07
End at: 2018-07-05 05:48:37
Local clock offset: -0.112 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-05 10:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.34 Mbit/s
95th percentile per-packet one-way delay: 151.675 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 110.73 Mbit/s
95th percentile per-packet one-way delay: 149.369 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 78.02 Mbit/s
95th percentile per-packet one-way delay: 145.127 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 97.75 Mbit/s
95th percentile per-packet one-way delay: 164.549 ms
Loss rate: 3.54%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-05 06:15:20

End at: 2018-07-05 06:15:50

Local clock offset: 0.054 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-07-05 10:00:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.85 Mbit/s

95th percentile per-packet one-way delay: 161.912 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 115.67 Mbit/s

95th percentile per-packet one-way delay: 166.232 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 158.877 ms

Loss rate: 1.14%

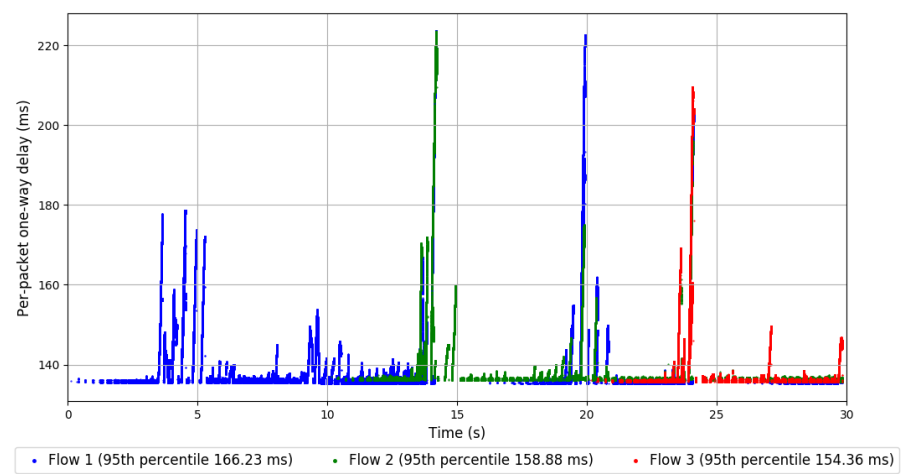
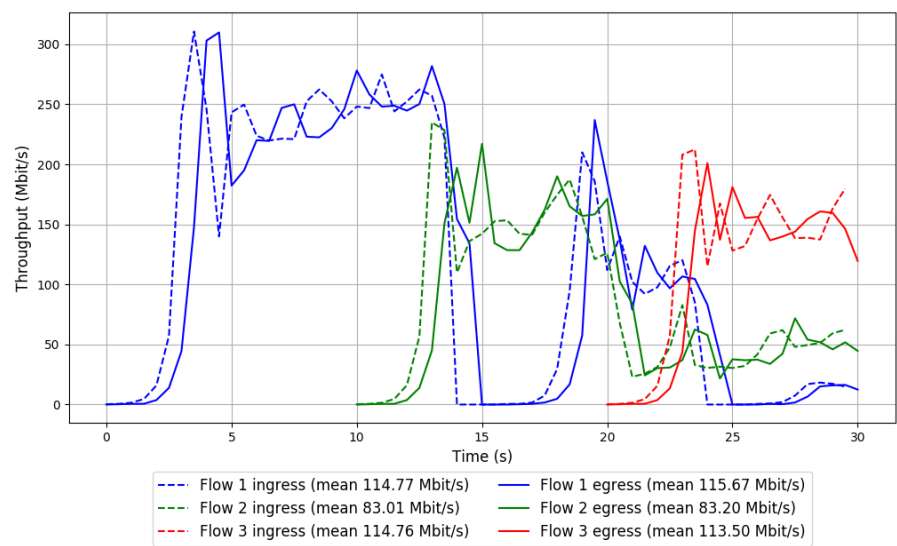
-- Flow 3:

Average throughput: 113.50 Mbit/s

95th percentile per-packet one-way delay: 154.359 ms

Loss rate: 3.80%

Run 3: Report of Copa — Data Link

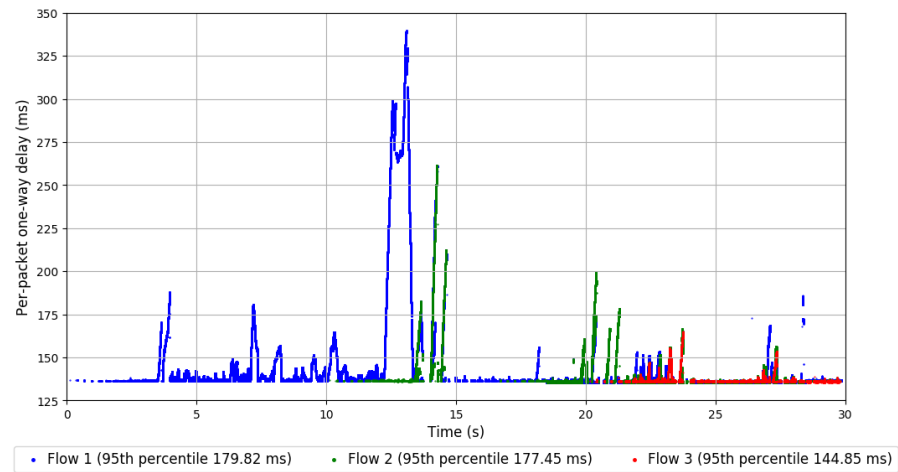
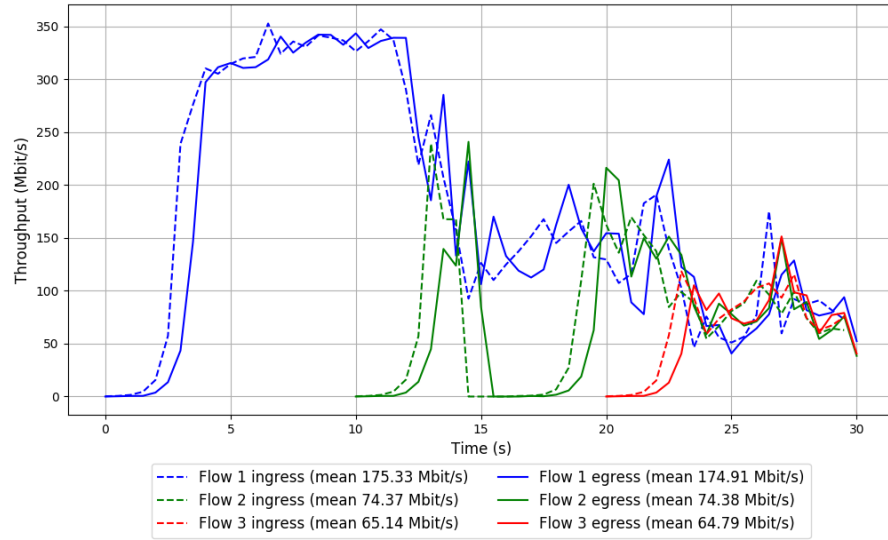


Run 4: Statistics of Copa

Start at: 2018-07-05 06:42:32
End at: 2018-07-05 06:43:02
Local clock offset: -0.13 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-05 10:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.24 Mbit/s
95th percentile per-packet one-way delay: 176.160 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 174.91 Mbit/s
95th percentile per-packet one-way delay: 179.820 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 177.447 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 144.849 ms
Loss rate: 3.27%

Run 4: Report of Copa — Data Link

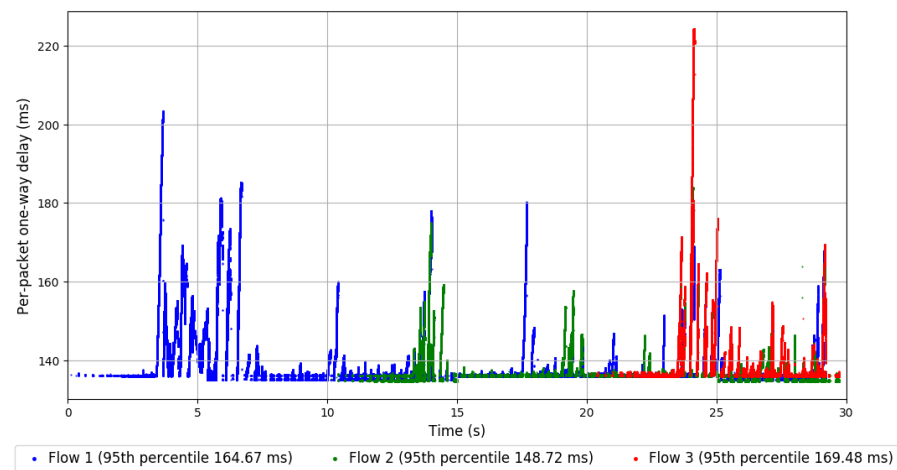
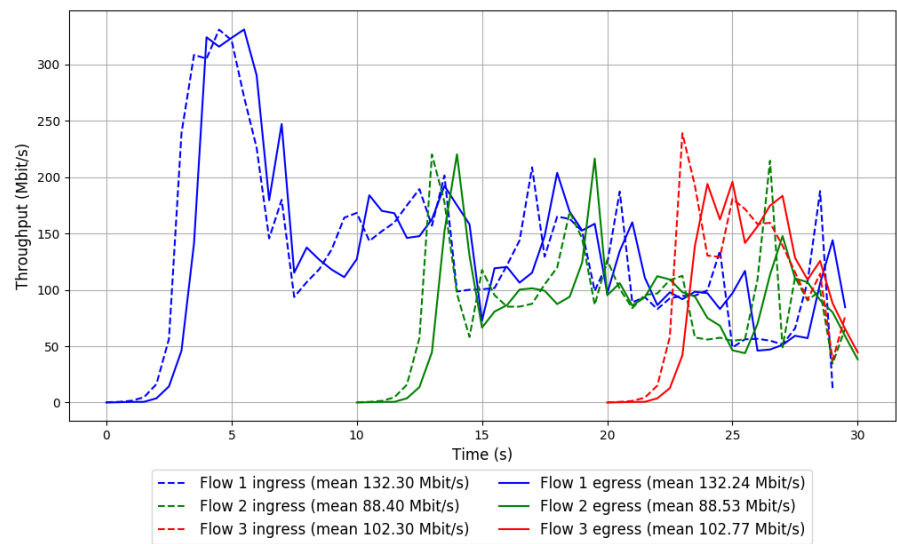


Run 5: Statistics of Copa

Start at: 2018-07-05 07:09:35
End at: 2018-07-05 07:10:05
Local clock offset: 0.125 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-05 10:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.67 Mbit/s
95th percentile per-packet one-way delay: 163.066 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 132.24 Mbit/s
95th percentile per-packet one-way delay: 164.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 88.53 Mbit/s
95th percentile per-packet one-way delay: 148.723 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 102.77 Mbit/s
95th percentile per-packet one-way delay: 169.484 ms
Loss rate: 2.37%

Run 5: Report of Copa — Data Link

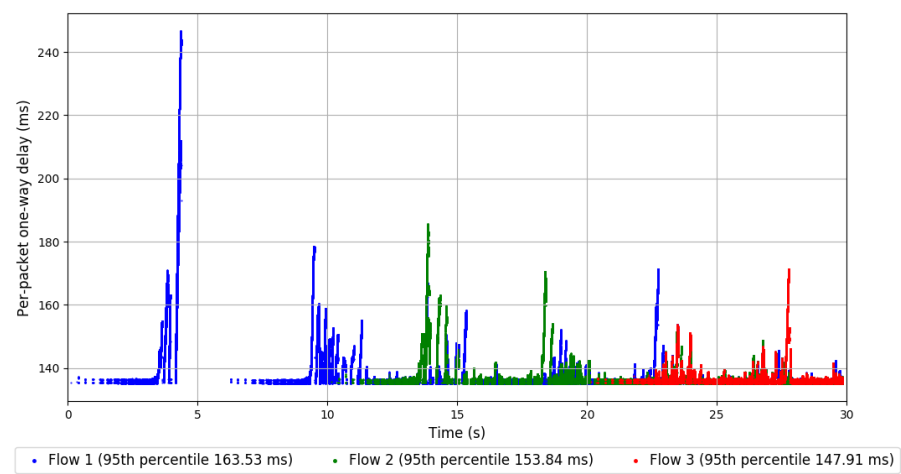
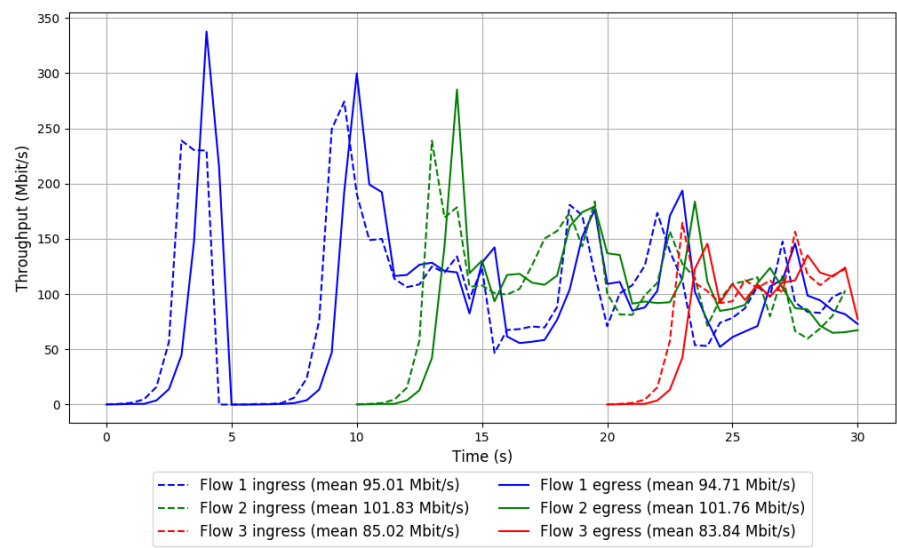


Run 6: Statistics of Copa

Start at: 2018-07-05 07:36:35
End at: 2018-07-05 07:37:05
Local clock offset: -0.172 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-07-05 10:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.57 Mbit/s
95th percentile per-packet one-way delay: 158.053 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 163.531 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 101.76 Mbit/s
95th percentile per-packet one-way delay: 153.844 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 147.909 ms
Loss rate: 4.07%

Run 6: Report of Copa — Data Link

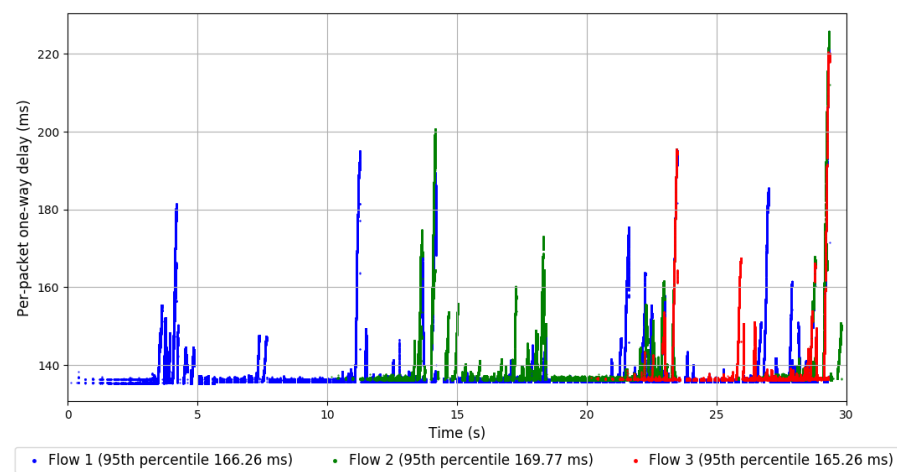
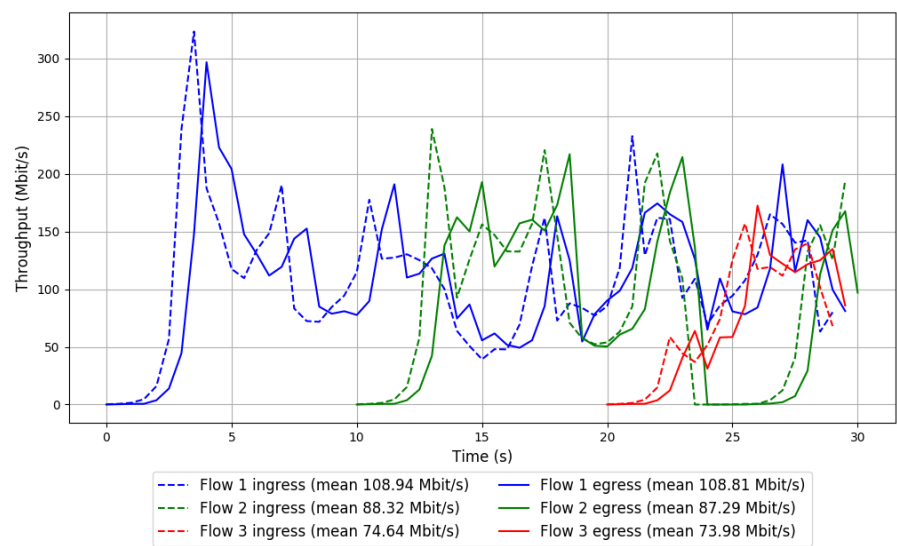


Run 7: Statistics of Copa

Start at: 2018-07-05 08:03:35
End at: 2018-07-05 08:04:05
Local clock offset: -0.102 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-07-05 10:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.00 Mbit/s
95th percentile per-packet one-way delay: 167.178 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 108.81 Mbit/s
95th percentile per-packet one-way delay: 166.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 169.767 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 73.98 Mbit/s
95th percentile per-packet one-way delay: 165.261 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

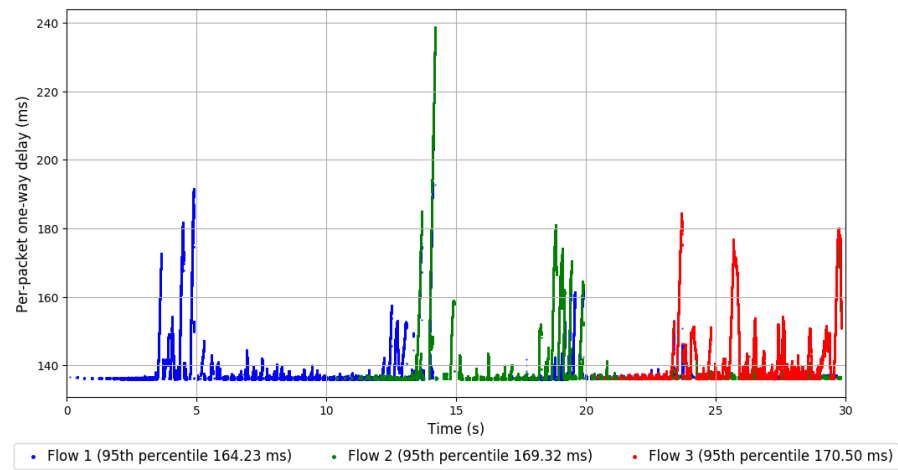
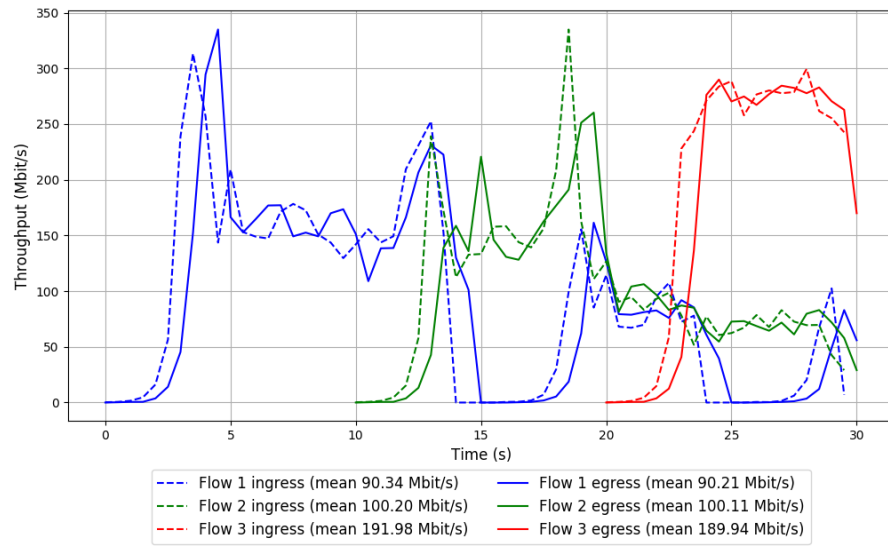


Run 8: Statistics of Copa

Start at: 2018-07-05 08:30:31
End at: 2018-07-05 08:31:01
Local clock offset: 0.036 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-05 10:01:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.99 Mbit/s
95th percentile per-packet one-way delay: 168.002 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 164.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 169.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.94 Mbit/s
95th percentile per-packet one-way delay: 170.497 ms
Loss rate: 3.77%

Run 8: Report of Copa — Data Link

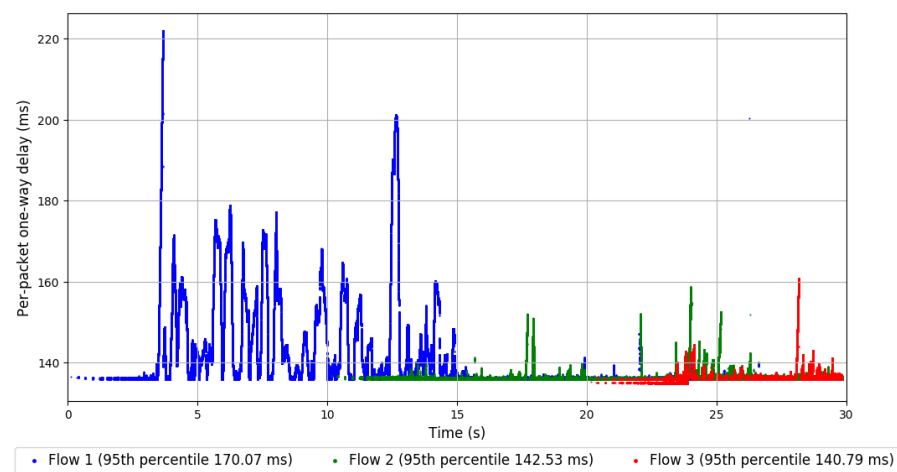
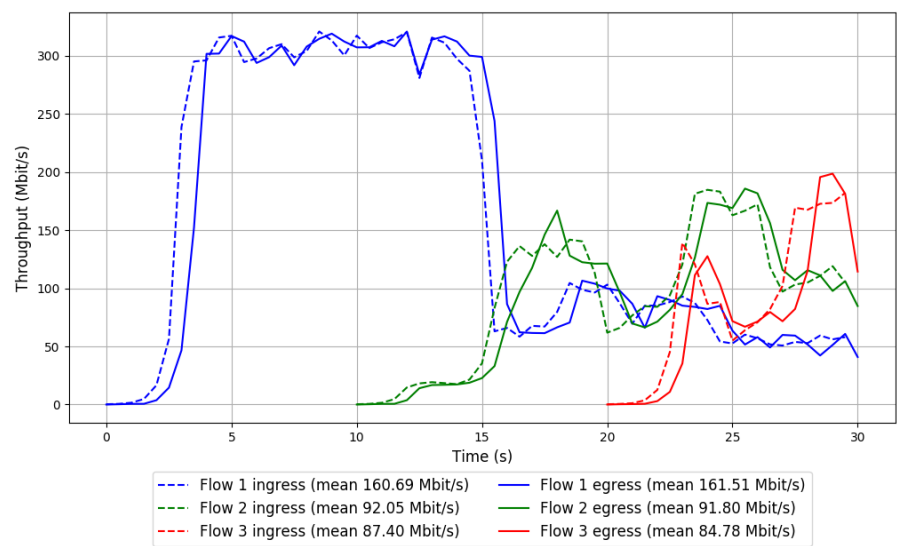


Run 9: Statistics of Copa

Start at: 2018-07-05 08:57:16
End at: 2018-07-05 08:57:46
Local clock offset: -0.009 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.00 Mbit/s
95th percentile per-packet one-way delay: 165.635 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 161.51 Mbit/s
95th percentile per-packet one-way delay: 170.068 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 142.526 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 140.791 ms
Loss rate: 5.49%

Run 9: Report of Copa — Data Link

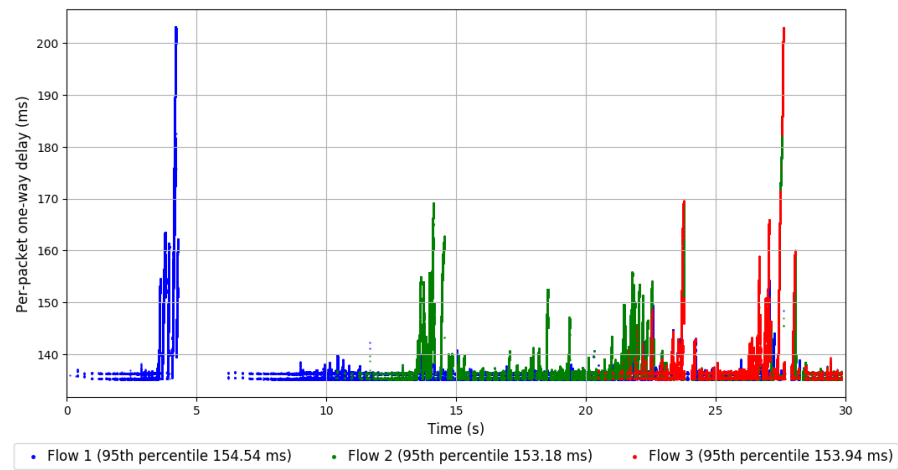
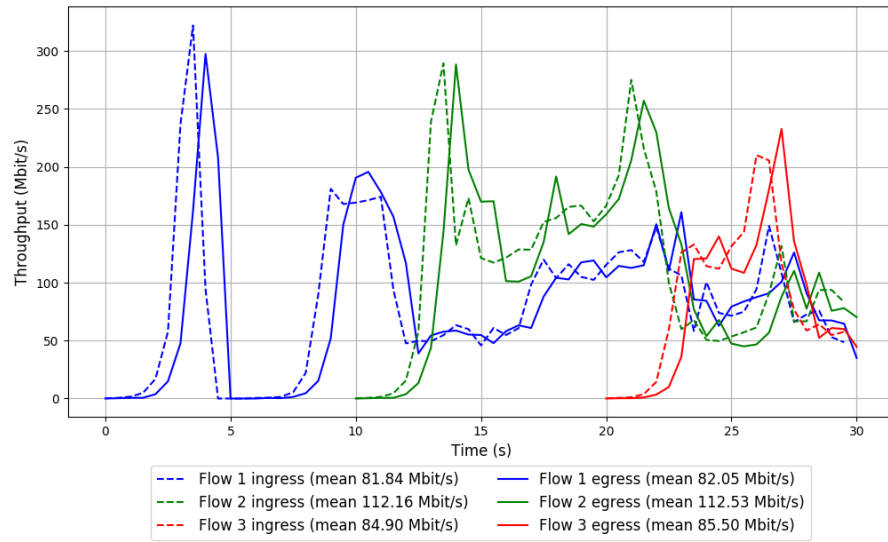


Run 10: Statistics of Copa

Start at: 2018-07-05 09:24:29
End at: 2018-07-05 09:24:59
Local clock offset: 0.237 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.43 Mbit/s
95th percentile per-packet one-way delay: 153.863 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 82.05 Mbit/s
95th percentile per-packet one-way delay: 154.541 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 112.53 Mbit/s
95th percentile per-packet one-way delay: 153.181 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 153.938 ms
Loss rate: 2.04%

Run 10: Report of Copa — Data Link

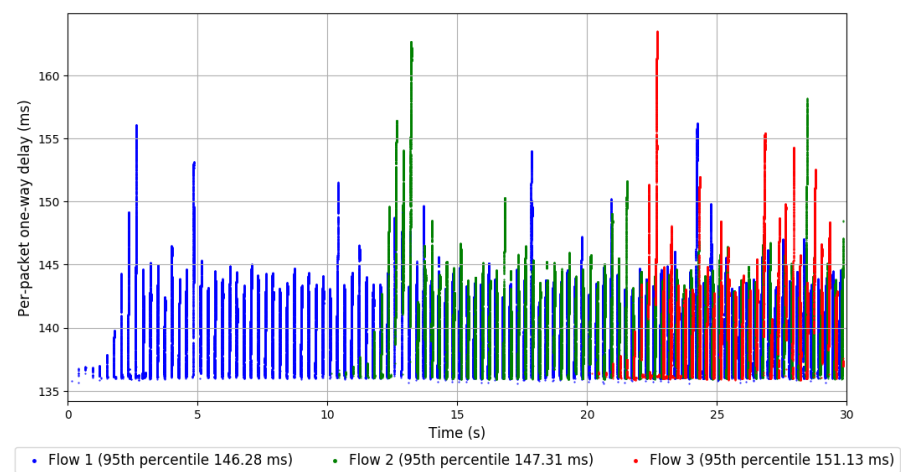
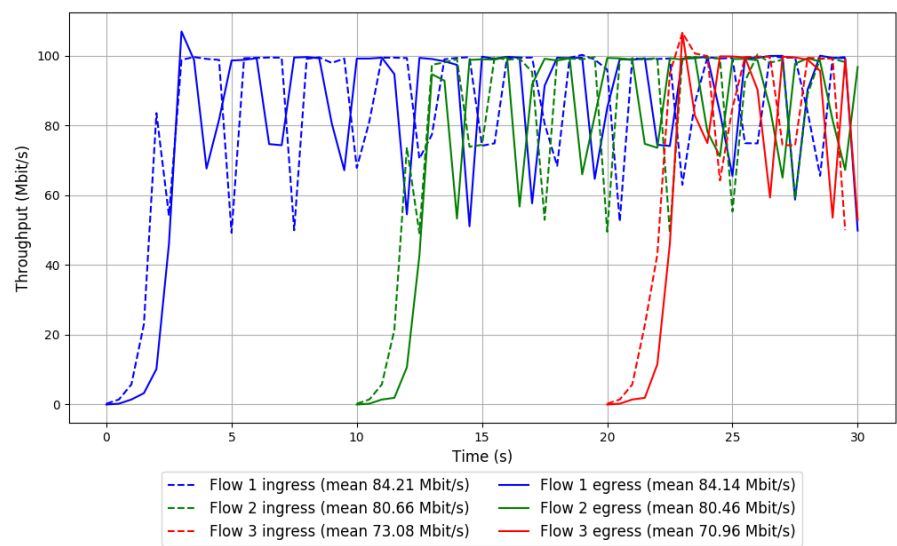


Run 1: Statistics of TCP Cubic

Start at: 2018-07-05 05:04:37
End at: 2018-07-05 05:05:07
Local clock offset: -0.153 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.31 Mbit/s
95th percentile per-packet one-way delay: 147.783 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 146.279 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 147.311 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 70.96 Mbit/s
95th percentile per-packet one-way delay: 151.135 ms
Loss rate: 3.28%

Run 1: Report of TCP Cubic — Data Link

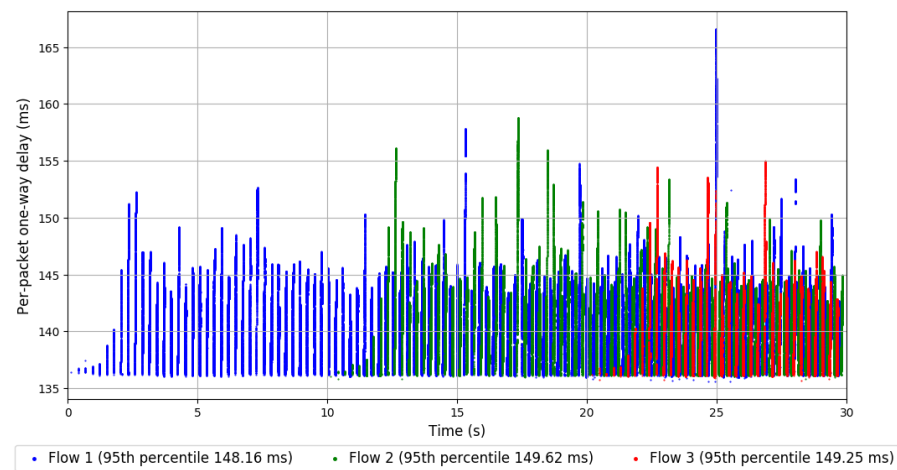
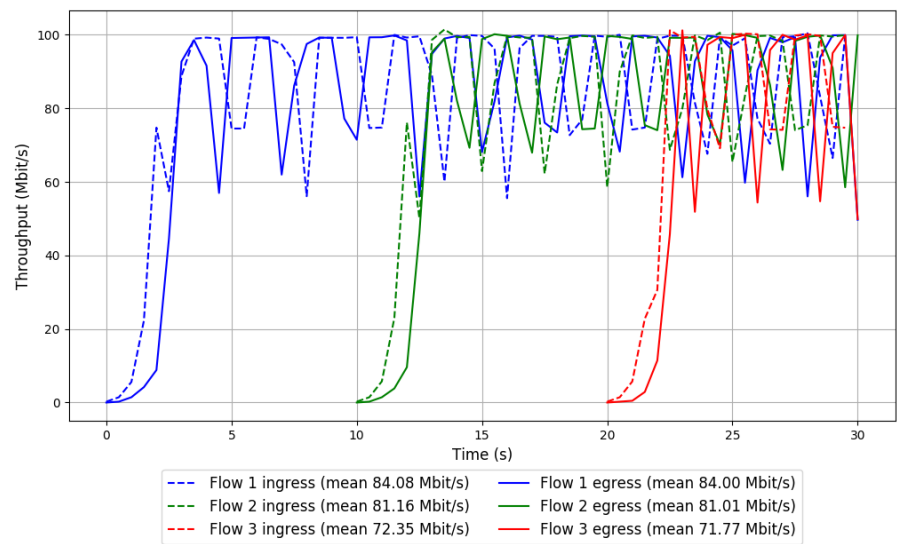


Run 2: Statistics of TCP Cubic

Start at: 2018-07-05 05:31:54
End at: 2018-07-05 05:32:24
Local clock offset: -0.298 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.25 Mbit/s
95th percentile per-packet one-way delay: 148.888 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 148.165 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 81.01 Mbit/s
95th percentile per-packet one-way delay: 149.618 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 149.246 ms
Loss rate: 3.55%

Run 2: Report of TCP Cubic — Data Link

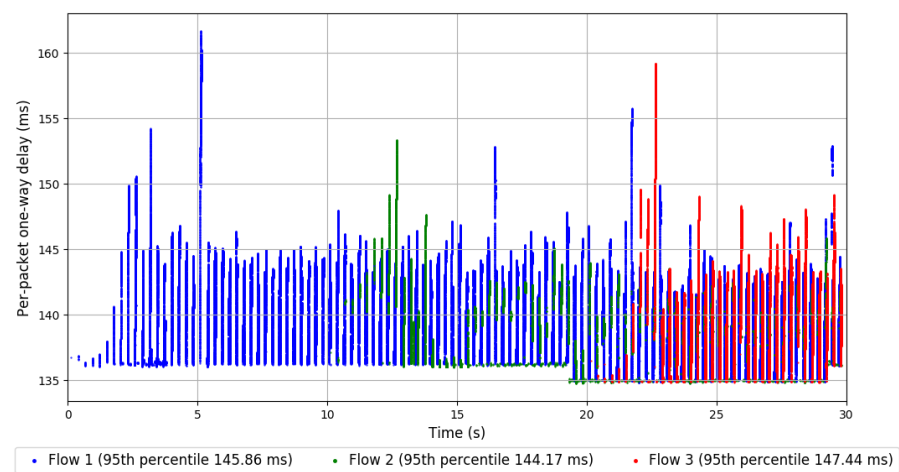
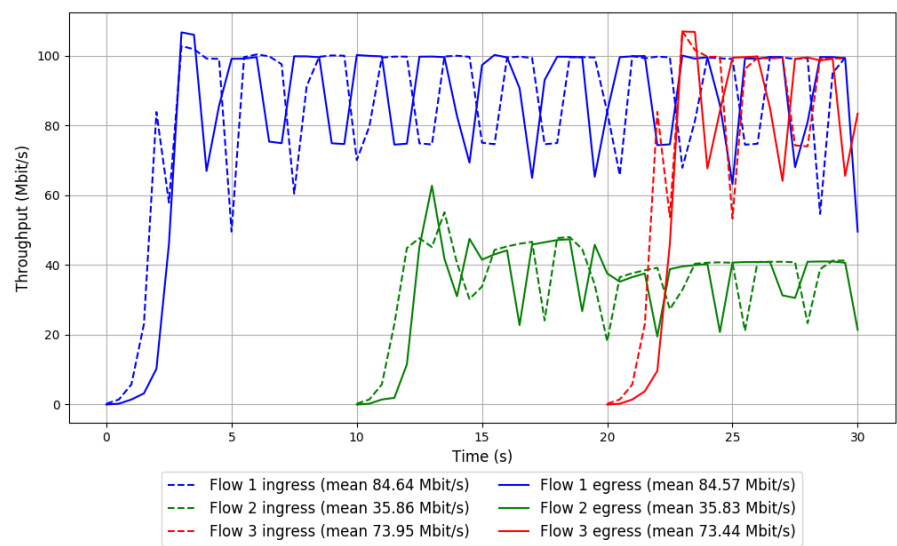


Run 3: Statistics of TCP Cubic

Start at: 2018-07-05 05:59:11
End at: 2018-07-05 05:59:41
Local clock offset: 0.063 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.03 Mbit/s
95th percentile per-packet one-way delay: 146.014 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 84.57 Mbit/s
95th percentile per-packet one-way delay: 145.860 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 144.169 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 147.437 ms
Loss rate: 3.37%

Run 3: Report of TCP Cubic — Data Link

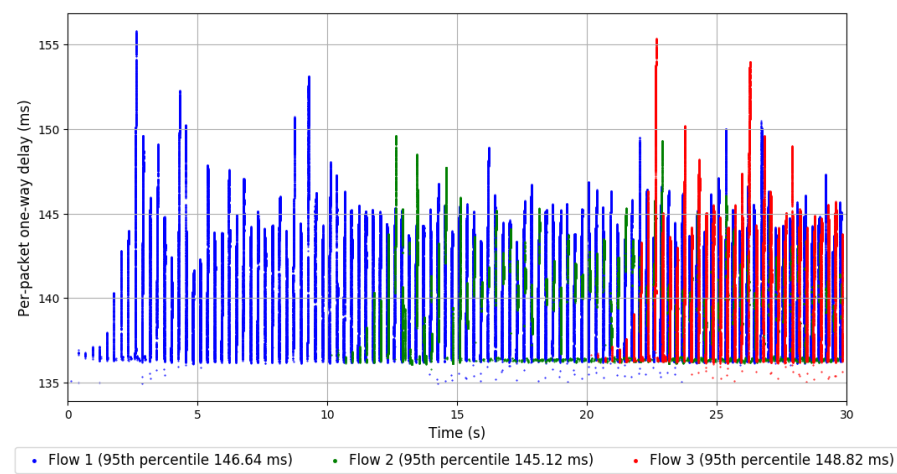
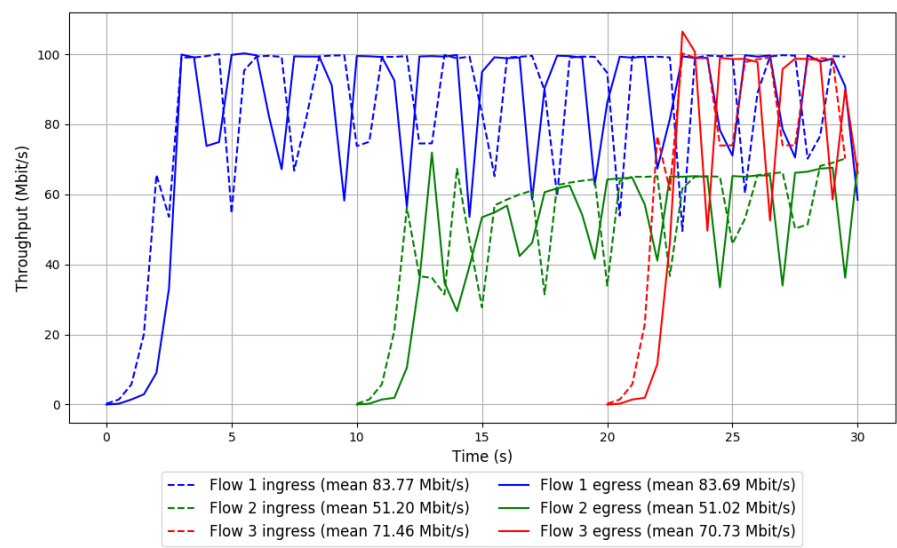


Run 4: Statistics of TCP Cubic

Start at: 2018-07-05 06:26:16
End at: 2018-07-05 06:26:46
Local clock offset: -0.166 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.42 Mbit/s
95th percentile per-packet one-way delay: 146.642 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 146.638 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 51.02 Mbit/s
95th percentile per-packet one-way delay: 145.125 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 148.816 ms
Loss rate: 3.74%

Run 4: Report of TCP Cubic — Data Link

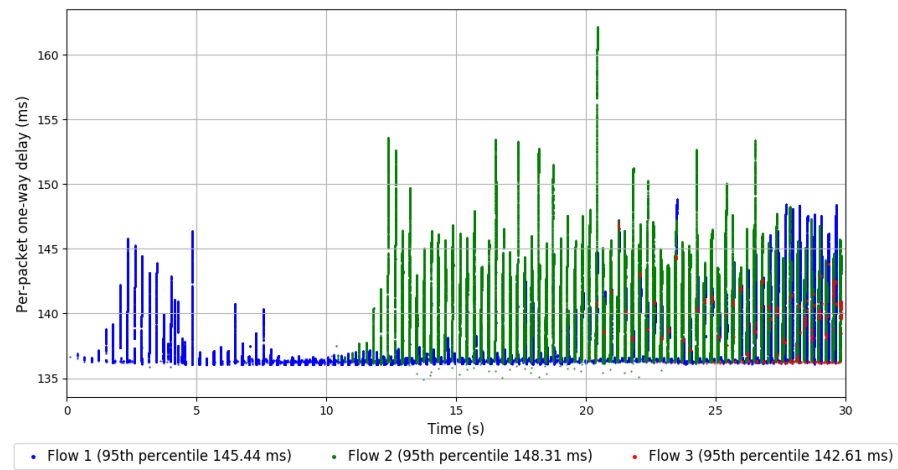
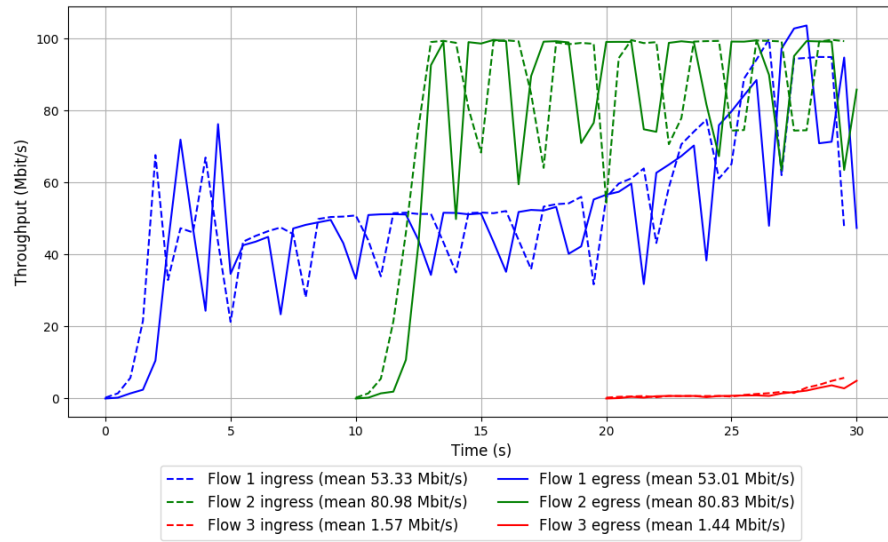


Run 5: Statistics of TCP Cubic

Start at: 2018-07-05 06:53:27
End at: 2018-07-05 06:53:57
Local clock offset: -0.25 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.66 Mbit/s
95th percentile per-packet one-way delay: 146.804 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 145.438 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 148.310 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 142.607 ms
Loss rate: 10.72%

Run 5: Report of TCP Cubic — Data Link

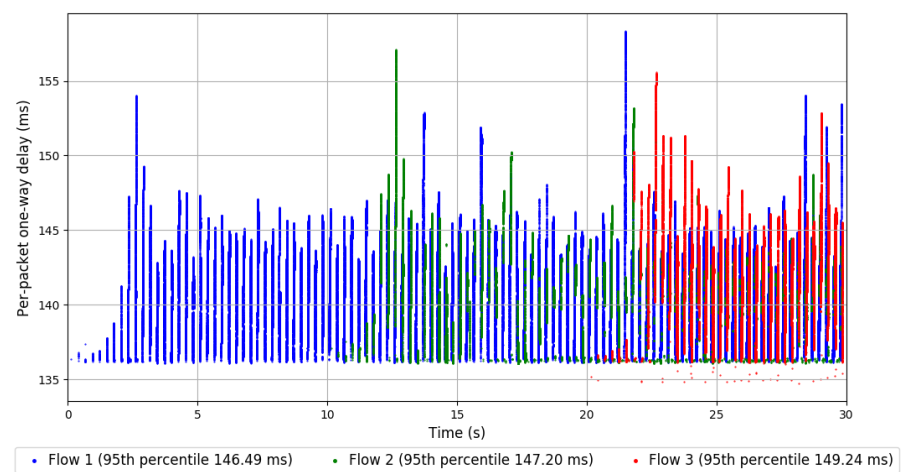
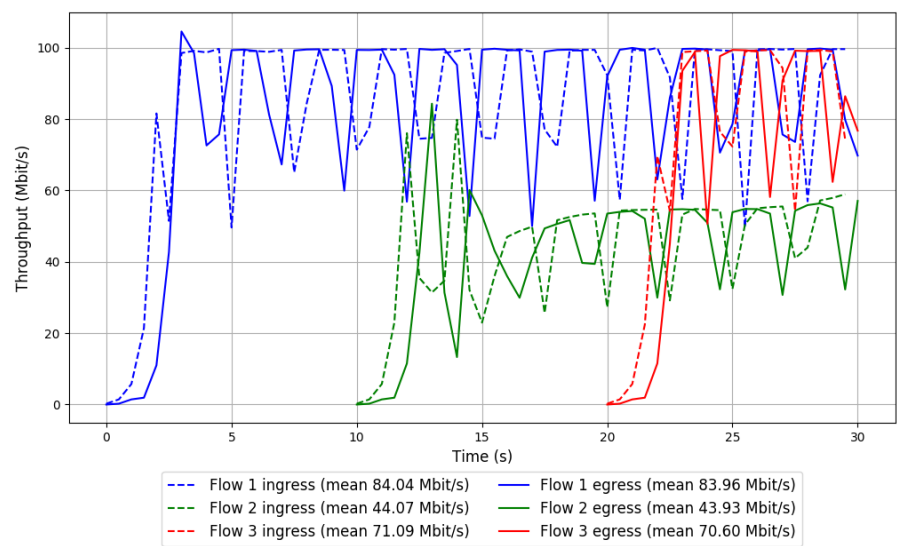


Run 6: Statistics of TCP Cubic

Start at: 2018-07-05 07:20:23
End at: 2018-07-05 07:20:53
Local clock offset: 0.094 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.03 Mbit/s
95th percentile per-packet one-way delay: 147.225 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 83.96 Mbit/s
95th percentile per-packet one-way delay: 146.493 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 147.199 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 70.60 Mbit/s
95th percentile per-packet one-way delay: 149.238 ms
Loss rate: 3.32%

Run 6: Report of TCP Cubic — Data Link

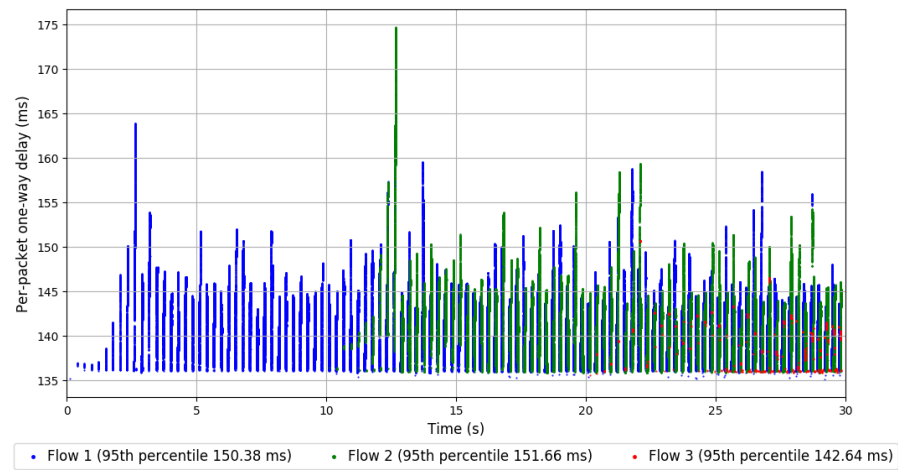
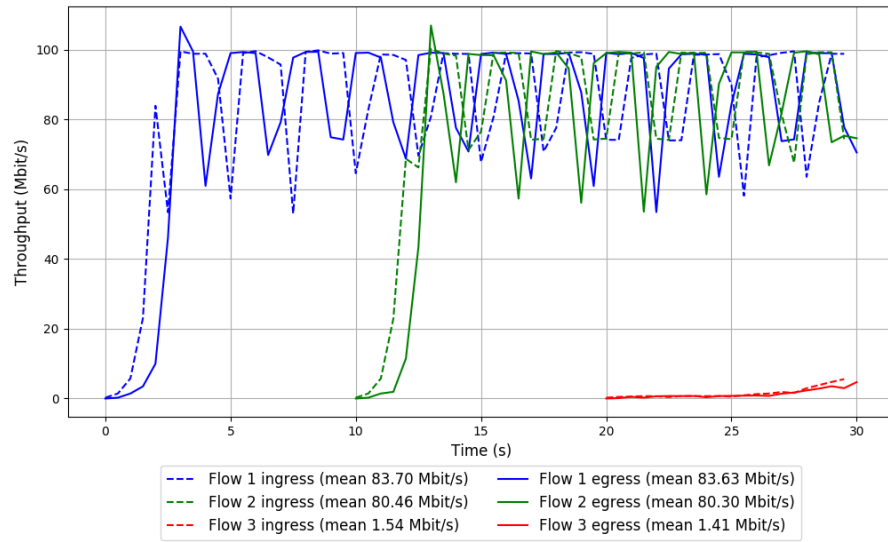


Run 7: Statistics of TCP Cubic

Start at: 2018-07-05 07:47:20
End at: 2018-07-05 07:47:50
Local clock offset: -0.14 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.17 Mbit/s
95th percentile per-packet one-way delay: 150.767 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 150.375 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 80.30 Mbit/s
95th percentile per-packet one-way delay: 151.665 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 142.639 ms
Loss rate: 10.70%

Run 7: Report of TCP Cubic — Data Link

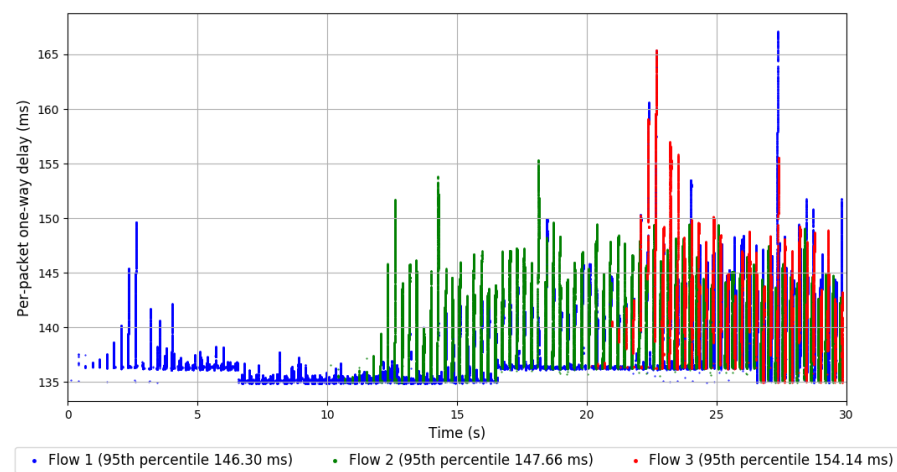
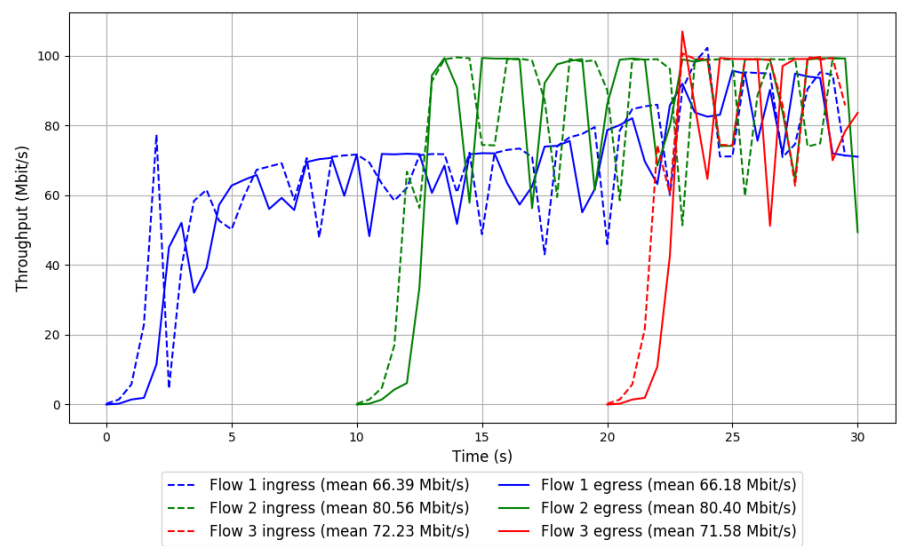


Run 8: Statistics of TCP Cubic

Start at: 2018-07-05 08:14:24
End at: 2018-07-05 08:14:54
Local clock offset: -0.201 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.62 Mbit/s
95th percentile per-packet one-way delay: 148.102 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 146.296 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 80.40 Mbit/s
95th percentile per-packet one-way delay: 147.663 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 154.138 ms
Loss rate: 3.61%

Run 8: Report of TCP Cubic — Data Link

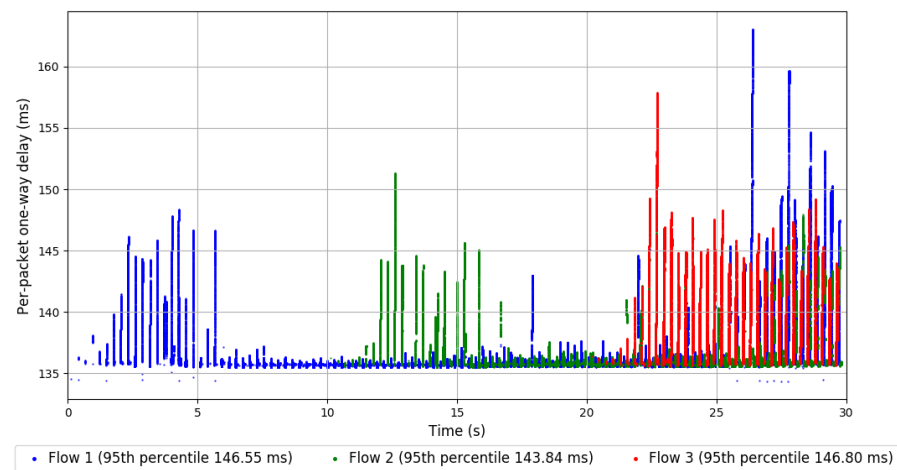
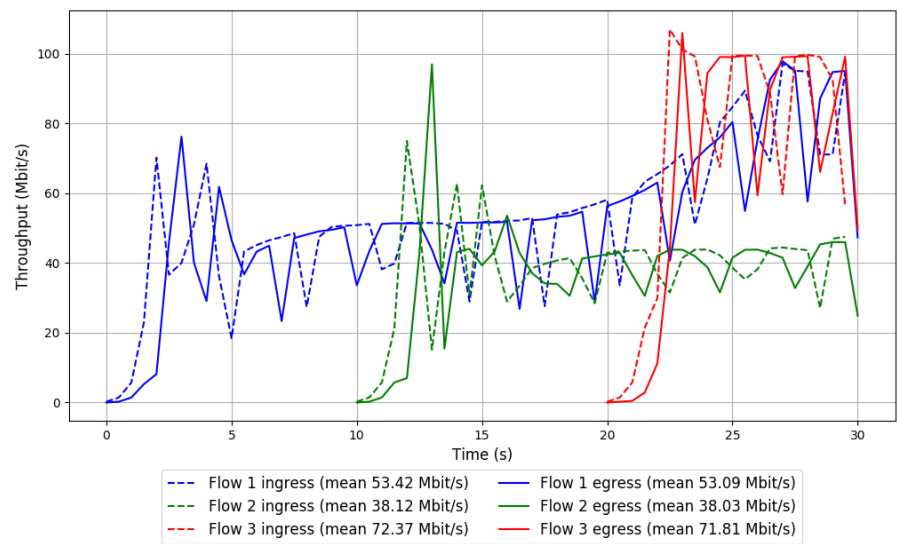


Run 9: Statistics of TCP Cubic

Start at: 2018-07-05 08:41:24
End at: 2018-07-05 08:41:54
Local clock offset: -0.033 ms
Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.03 Mbit/s
95th percentile per-packet one-way delay: 145.961 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 53.09 Mbit/s
95th percentile per-packet one-way delay: 146.549 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 143.844 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 146.803 ms
Loss rate: 3.54%

Run 9: Report of TCP Cubic — Data Link

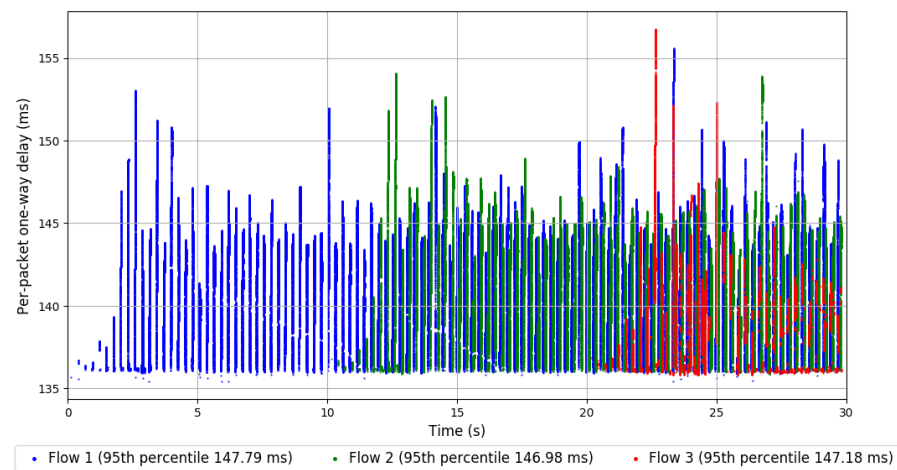
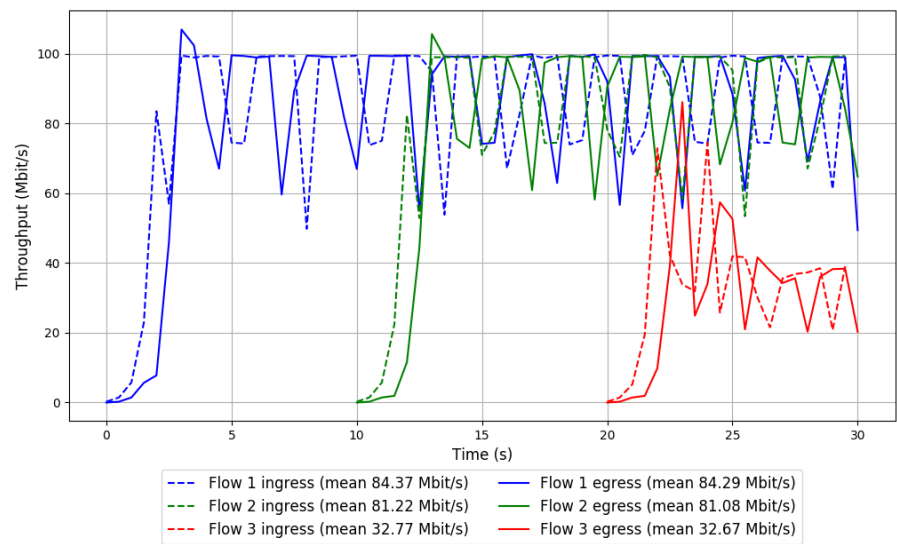


Run 10: Statistics of TCP Cubic

Start at: 2018-07-05 09:08:22
End at: 2018-07-05 09:08:52
Local clock offset: 0.034 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-05 10:06:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.30 Mbit/s
95th percentile per-packet one-way delay: 147.430 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 147.790 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 81.08 Mbit/s
95th percentile per-packet one-way delay: 146.979 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 147.178 ms
Loss rate: 3.05%

Run 10: Report of TCP Cubic — Data Link

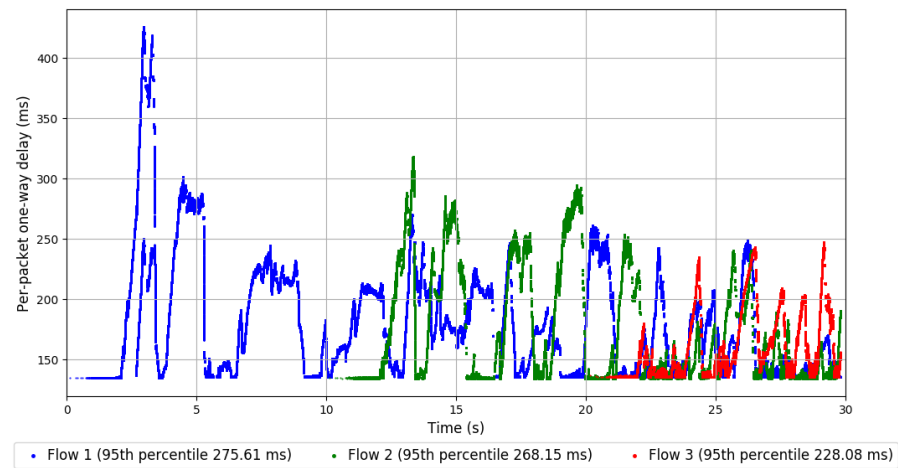
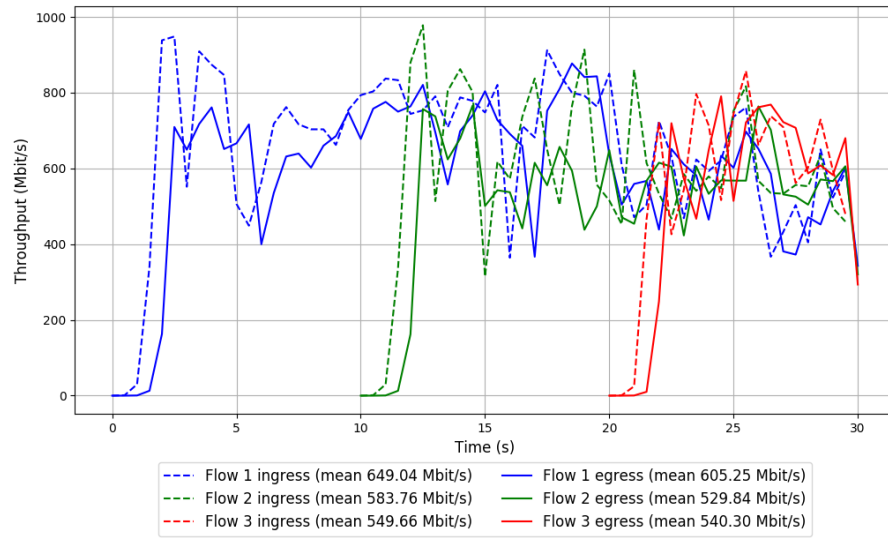


Run 1: Statistics of FillP

Start at: 2018-07-05 05:18:46
End at: 2018-07-05 05:19:16
Local clock offset: -0.157 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-05 10:28:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1131.80 Mbit/s
95th percentile per-packet one-way delay: 264.102 ms
Loss rate: 8.04%
-- Flow 1:
Average throughput: 605.25 Mbit/s
95th percentile per-packet one-way delay: 275.610 ms
Loss rate: 7.59%
-- Flow 2:
Average throughput: 529.84 Mbit/s
95th percentile per-packet one-way delay: 268.150 ms
Loss rate: 10.48%
-- Flow 3:
Average throughput: 540.30 Mbit/s
95th percentile per-packet one-way delay: 228.077 ms
Loss rate: 4.43%

Run 1: Report of FillP — Data Link

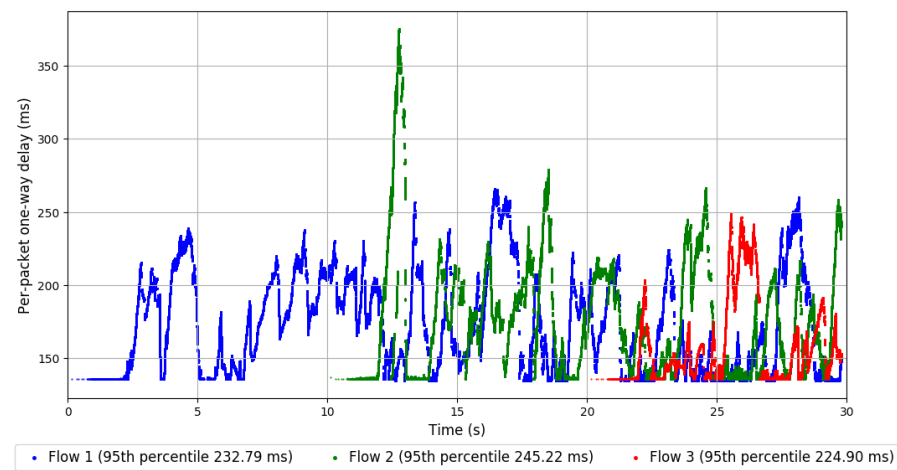
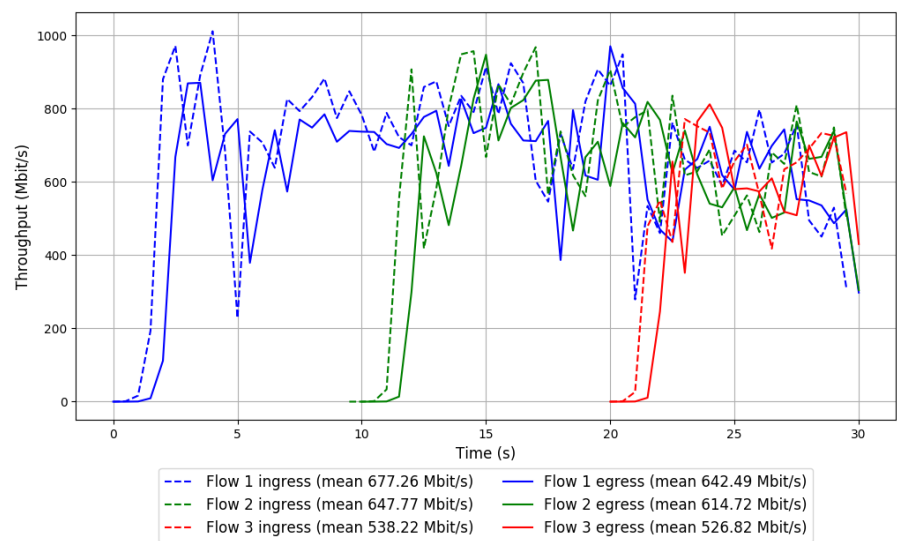


Run 2: Statistics of FillP

Start at: 2018-07-05 05:45:47
End at: 2018-07-05 05:46:18
Local clock offset: -0.295 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-05 10:31:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1221.50 Mbit/s
95th percentile per-packet one-way delay: 234.534 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 642.49 Mbit/s
95th percentile per-packet one-way delay: 232.791 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 614.72 Mbit/s
95th percentile per-packet one-way delay: 245.216 ms
Loss rate: 6.40%
-- Flow 3:
Average throughput: 526.82 Mbit/s
95th percentile per-packet one-way delay: 224.898 ms
Loss rate: 4.81%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-05 06:13:05

End at: 2018-07-05 06:13:35

Local clock offset: -0.032 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-05 10:31:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1145.68 Mbit/s

95th percentile per-packet one-way delay: 321.560 ms

Loss rate: 5.24%

-- Flow 1:

Average throughput: 624.79 Mbit/s

95th percentile per-packet one-way delay: 333.961 ms

Loss rate: 3.25%

-- Flow 2:

Average throughput: 584.49 Mbit/s

95th percentile per-packet one-way delay: 302.074 ms

Loss rate: 5.51%

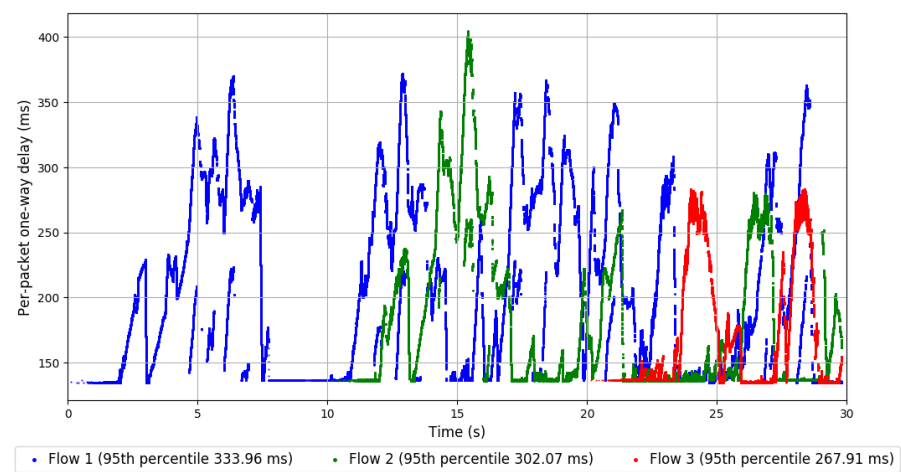
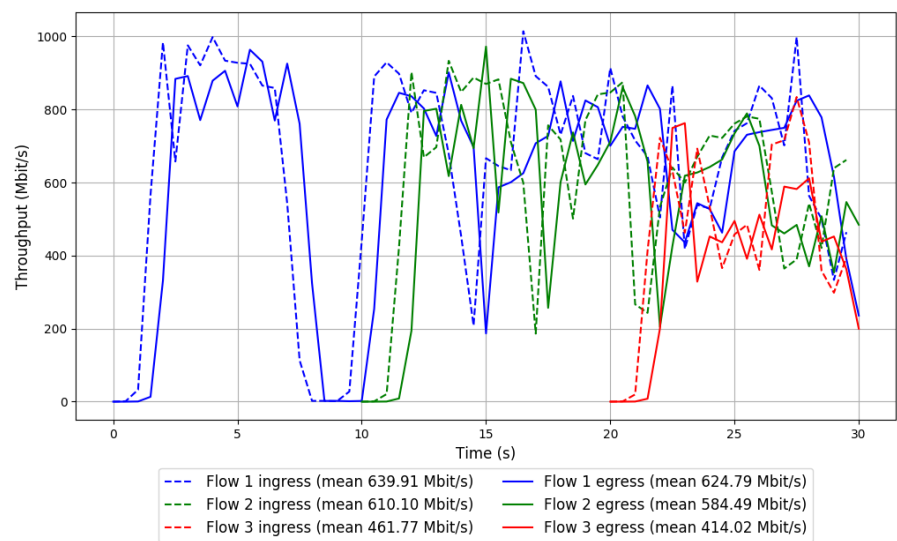
-- Flow 3:

Average throughput: 414.02 Mbit/s

95th percentile per-packet one-way delay: 267.908 ms

Loss rate: 12.81%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-05 06:40:11

End at: 2018-07-05 06:40:41

Local clock offset: -0.006 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-07-05 10:33:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1287.60 Mbit/s

95th percentile per-packet one-way delay: 320.485 ms

Loss rate: 4.71%

-- Flow 1:

Average throughput: 733.48 Mbit/s

95th percentile per-packet one-way delay: 326.560 ms

Loss rate: 3.16%

-- Flow 2:

Average throughput: 602.13 Mbit/s

95th percentile per-packet one-way delay: 328.580 ms

Loss rate: 6.19%

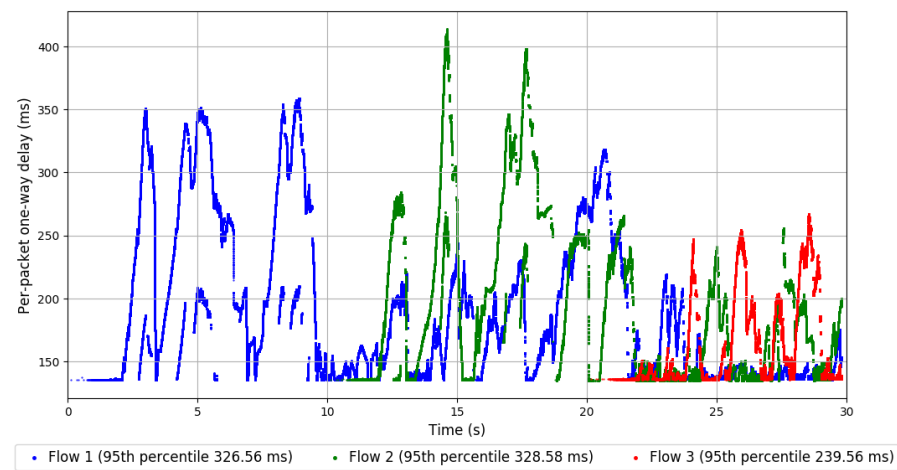
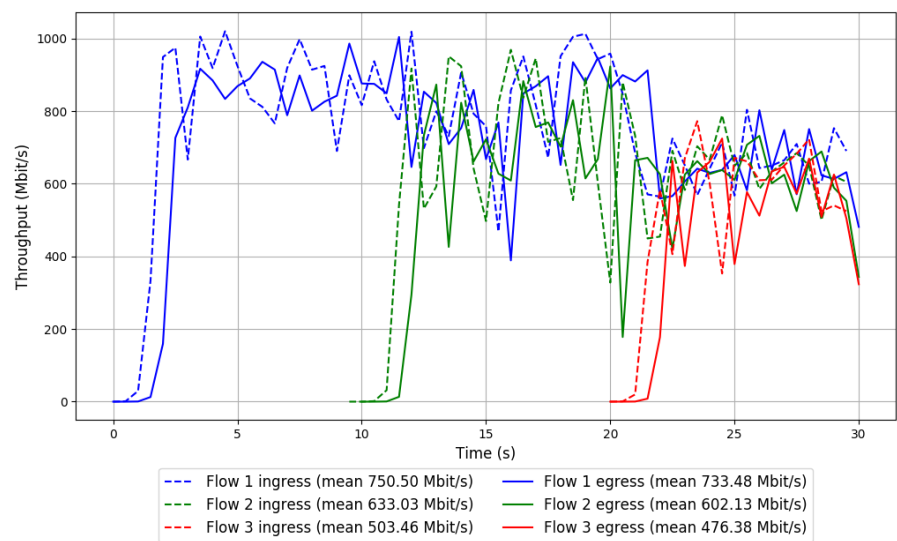
-- Flow 3:

Average throughput: 476.38 Mbit/s

95th percentile per-packet one-way delay: 239.564 ms

Loss rate: 7.98%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-05 07:07:19

End at: 2018-07-05 07:07:49

Local clock offset: -0.272 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-05 10:33:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1174.87 Mbit/s

95th percentile per-packet one-way delay: 240.240 ms

Loss rate: 5.95%

-- Flow 1:

Average throughput: 646.49 Mbit/s

95th percentile per-packet one-way delay: 236.237 ms

Loss rate: 5.35%

-- Flow 2:

Average throughput: 590.69 Mbit/s

95th percentile per-packet one-way delay: 290.044 ms

Loss rate: 4.69%

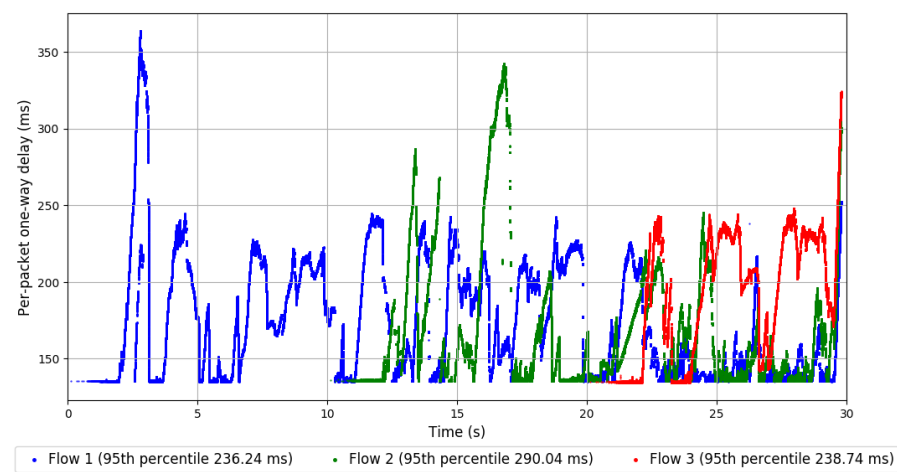
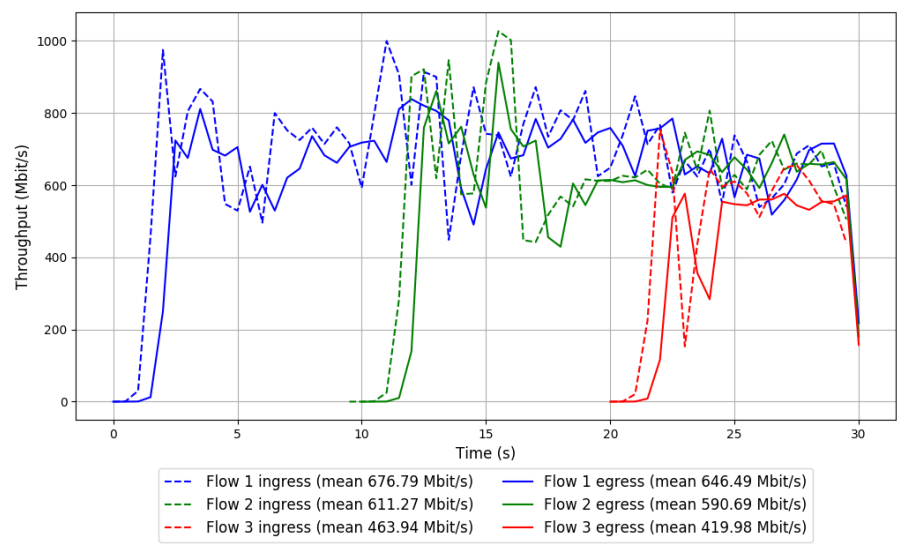
-- Flow 3:

Average throughput: 419.98 Mbit/s

95th percentile per-packet one-way delay: 238.743 ms

Loss rate: 11.95%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-05 07:34:15

End at: 2018-07-05 07:34:45

Local clock offset: 0.021 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-07-05 10:33:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 1261.89 Mbit/s

95th percentile per-packet one-way delay: 287.136 ms

Loss rate: 3.64%

-- Flow 1:

Average throughput: 693.20 Mbit/s

95th percentile per-packet one-way delay: 296.838 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 602.11 Mbit/s

95th percentile per-packet one-way delay: 276.307 ms

Loss rate: 4.06%

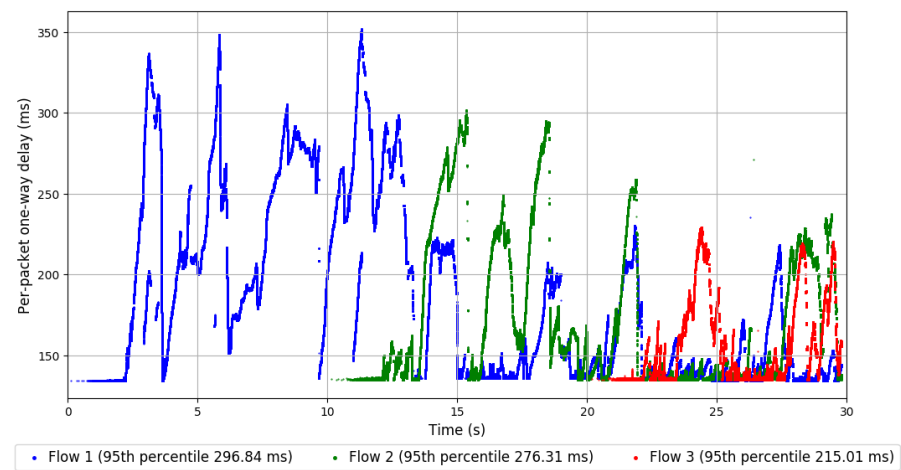
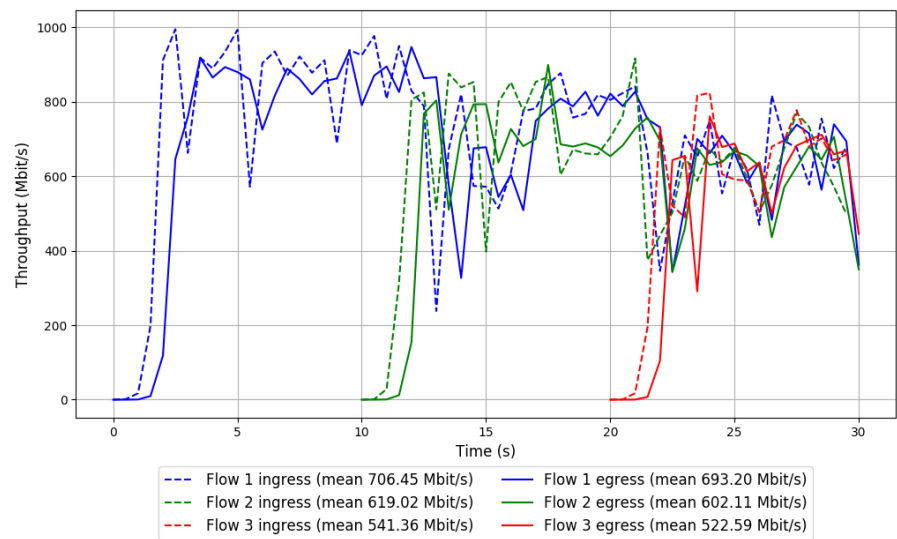
-- Flow 3:

Average throughput: 522.59 Mbit/s

95th percentile per-packet one-way delay: 215.012 ms

Loss rate: 6.14%

Run 6: Report of FillP — Data Link

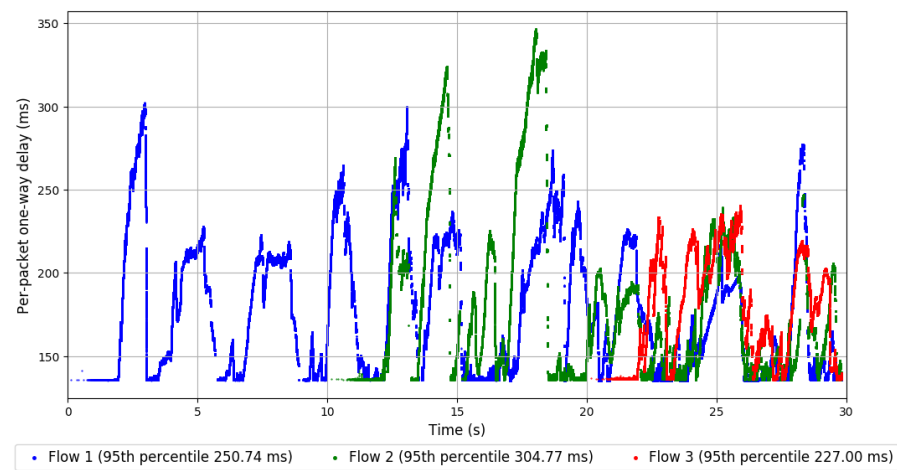
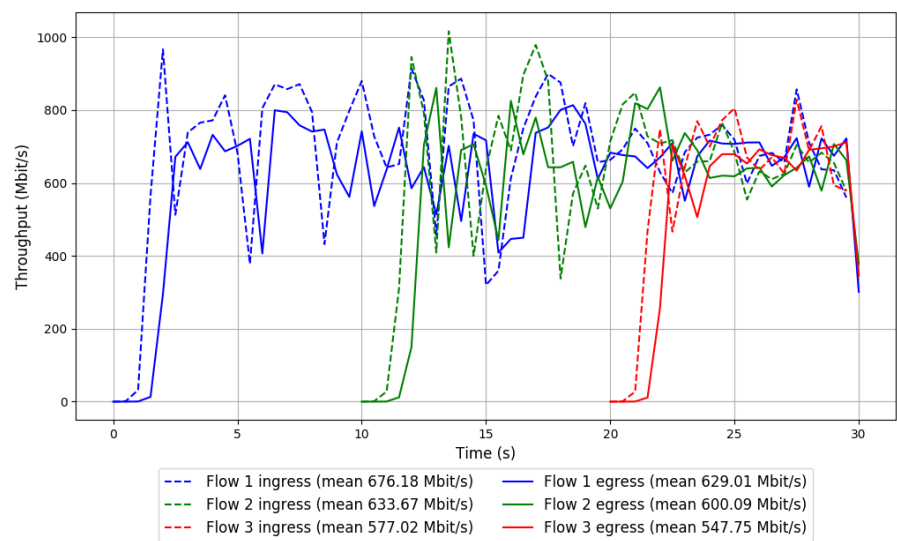


Run 7: Statistics of FillP

Start at: 2018-07-05 08:01:14
End at: 2018-07-05 08:01:44
Local clock offset: -0.237 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-07-05 10:33:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 1204.74 Mbit/s
95th percentile per-packet one-way delay: 262.071 ms
Loss rate: 7.39%
-- Flow 1:
Average throughput: 629.01 Mbit/s
95th percentile per-packet one-way delay: 250.737 ms
Loss rate: 7.82%
-- Flow 2:
Average throughput: 600.09 Mbit/s
95th percentile per-packet one-way delay: 304.775 ms
Loss rate: 6.59%
-- Flow 3:
Average throughput: 547.75 Mbit/s
95th percentile per-packet one-way delay: 226.995 ms
Loss rate: 7.66%

Run 7: Report of FillP — Data Link

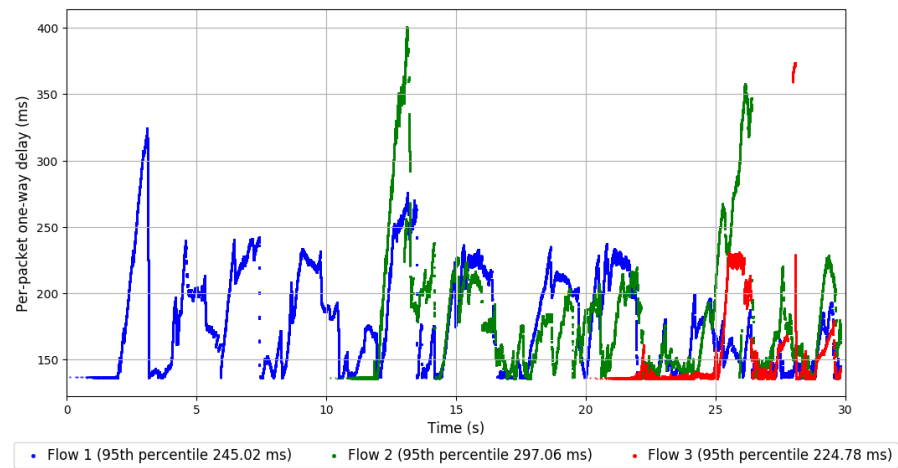
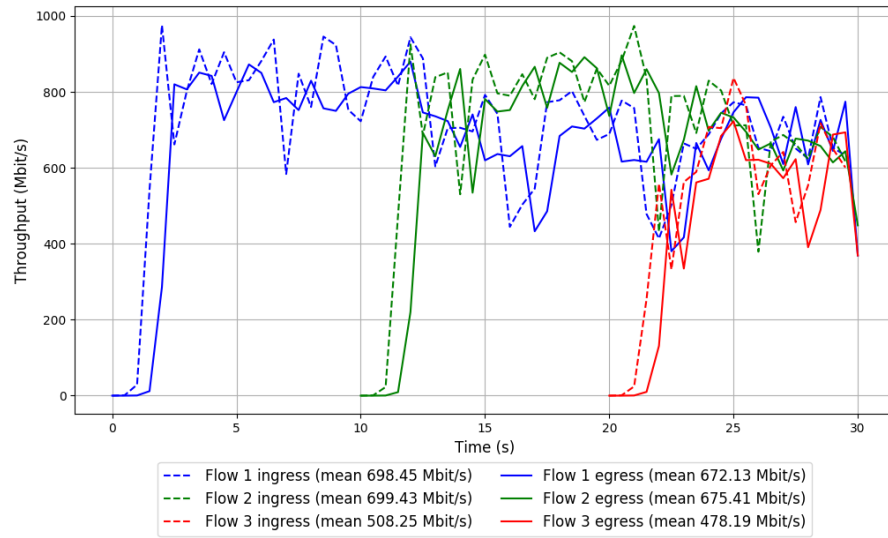


Run 8: Statistics of FillP

Start at: 2018-07-05 08:28:11
End at: 2018-07-05 08:28:41
Local clock offset: -0.13 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-05 10:35:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1275.26 Mbit/s
95th percentile per-packet one-way delay: 252.994 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 672.13 Mbit/s
95th percentile per-packet one-way delay: 245.018 ms
Loss rate: 4.65%
-- Flow 2:
Average throughput: 675.41 Mbit/s
95th percentile per-packet one-way delay: 297.060 ms
Loss rate: 4.76%
-- Flow 3:
Average throughput: 478.19 Mbit/s
95th percentile per-packet one-way delay: 224.778 ms
Loss rate: 8.51%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-05 08:55:01

End at: 2018-07-05 08:55:31

Local clock offset: -0.046 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-05 10:55:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 1148.62 Mbit/s

95th percentile per-packet one-way delay: 244.156 ms

Loss rate: 8.74%

-- Flow 1:

Average throughput: 597.99 Mbit/s

95th percentile per-packet one-way delay: 242.926 ms

Loss rate: 9.14%

-- Flow 2:

Average throughput: 604.51 Mbit/s

95th percentile per-packet one-way delay: 233.383 ms

Loss rate: 7.56%

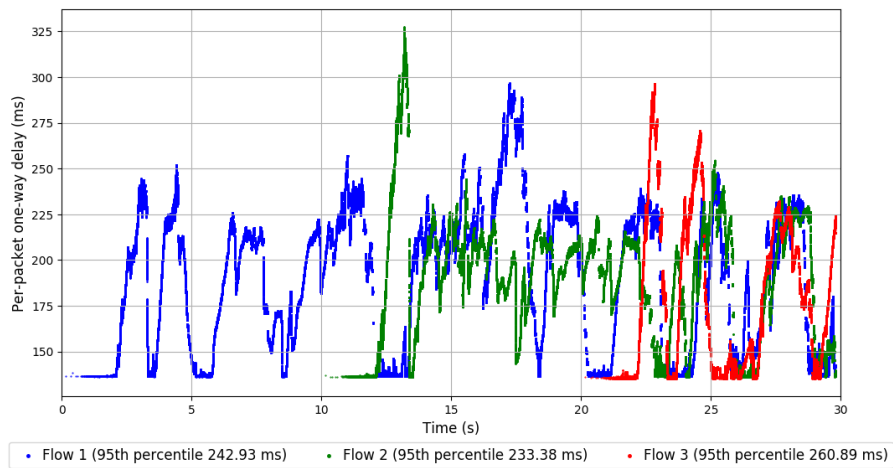
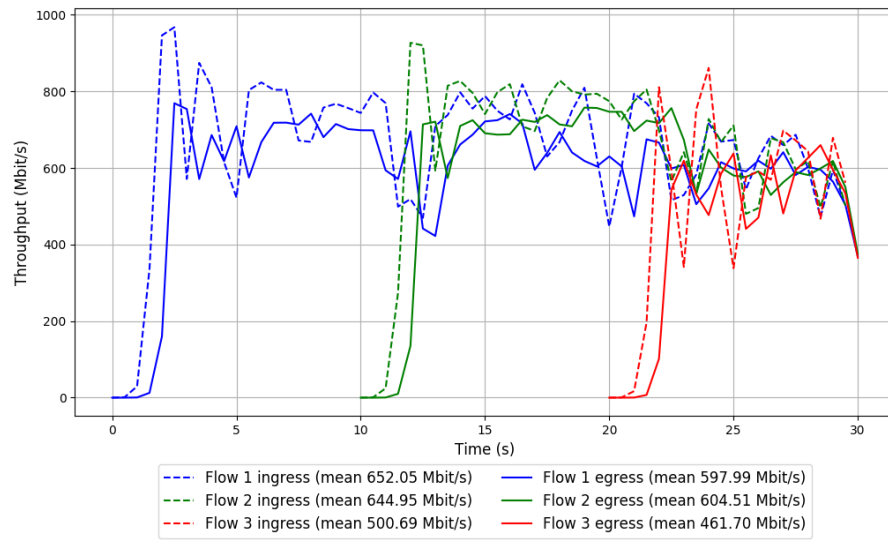
-- Flow 3:

Average throughput: 461.70 Mbit/s

95th percentile per-packet one-way delay: 260.892 ms

Loss rate: 10.24%

Run 9: Report of FillP — Data Link

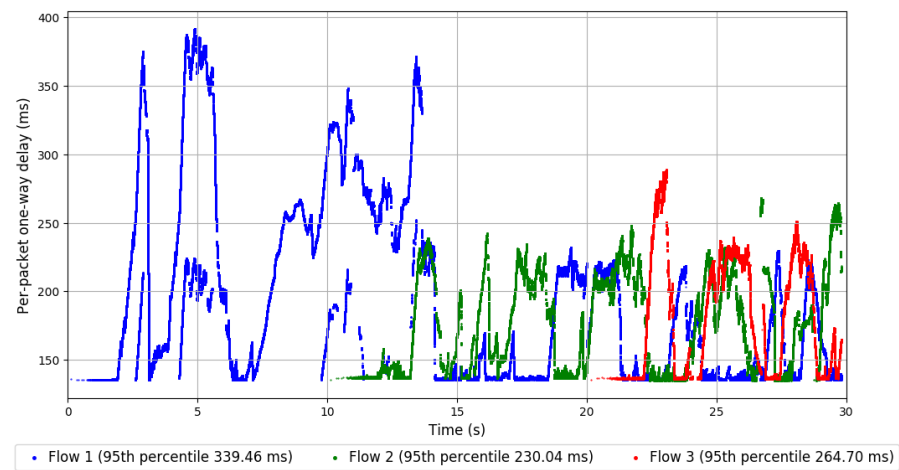
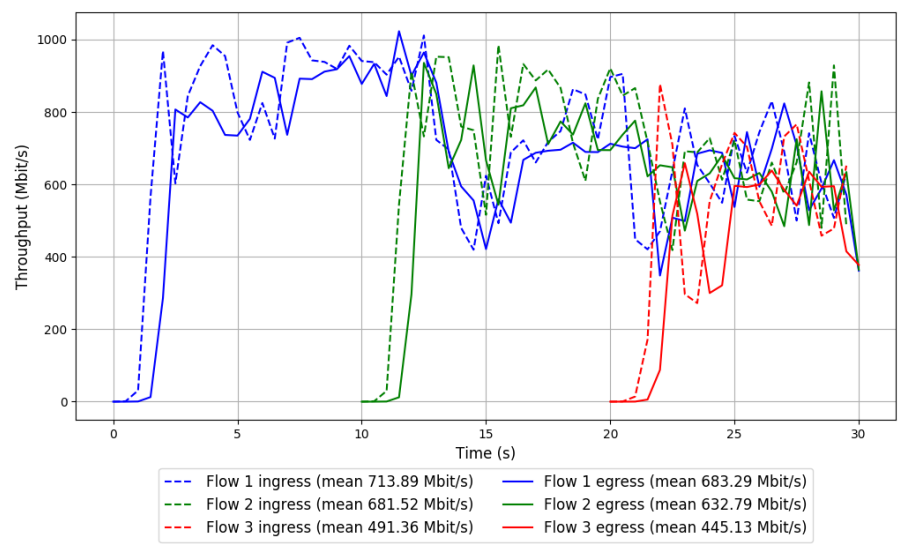


Run 10: Statistics of FillP

Start at: 2018-07-05 09:22:10
End at: 2018-07-05 09:22:40
Local clock offset: -0.033 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-07-05 10:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1247.18 Mbit/s
95th percentile per-packet one-way delay: 311.334 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 683.29 Mbit/s
95th percentile per-packet one-way delay: 339.458 ms
Loss rate: 5.16%
-- Flow 2:
Average throughput: 632.79 Mbit/s
95th percentile per-packet one-way delay: 230.045 ms
Loss rate: 8.42%
-- Flow 3:
Average throughput: 445.13 Mbit/s
95th percentile per-packet one-way delay: 264.700 ms
Loss rate: 11.91%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-05 05:22:47

End at: 2018-07-05 05:23:17

Local clock offset: -0.05 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-07-05 10:59:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1057.32 Mbit/s

95th percentile per-packet one-way delay: 267.658 ms

Loss rate: 6.90%

-- Flow 1:

Average throughput: 565.89 Mbit/s

95th percentile per-packet one-way delay: 249.759 ms

Loss rate: 8.25%

-- Flow 2:

Average throughput: 511.94 Mbit/s

95th percentile per-packet one-way delay: 339.134 ms

Loss rate: 6.21%

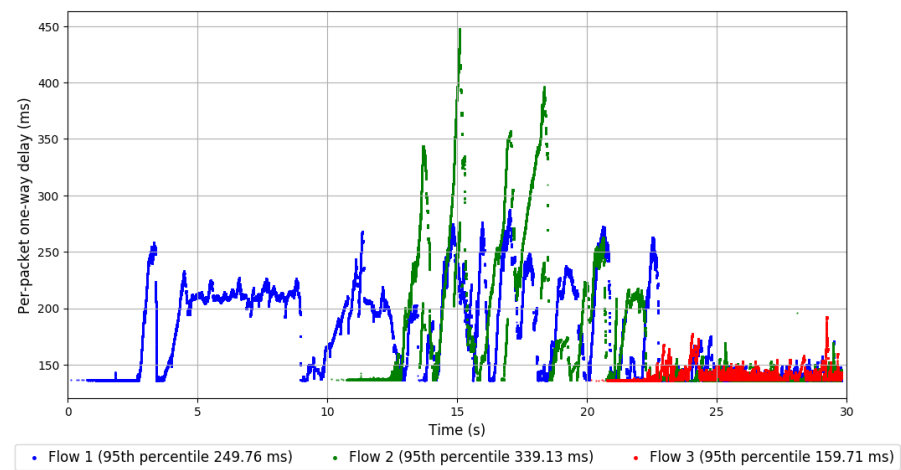
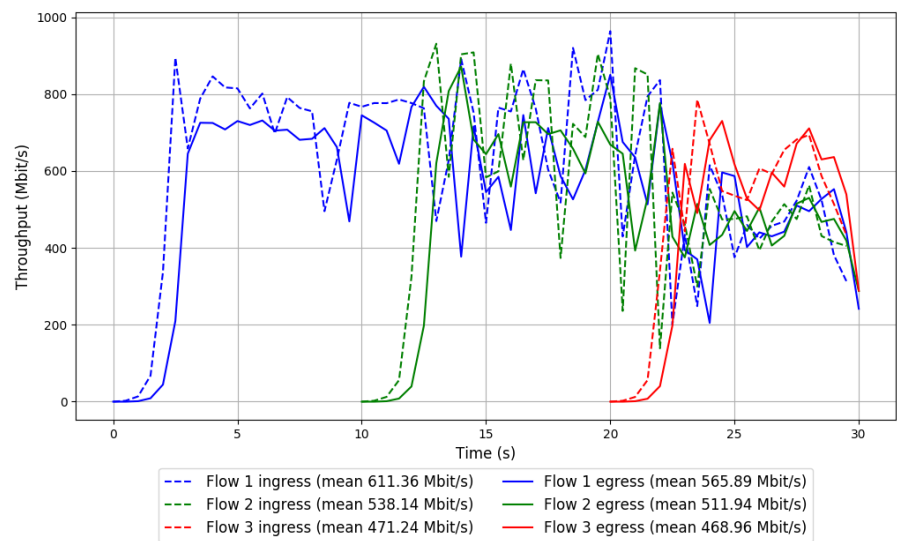
-- Flow 3:

Average throughput: 468.96 Mbit/s

95th percentile per-packet one-way delay: 159.714 ms

Loss rate: 3.21%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-05 05:49:44

End at: 2018-07-05 05:50:14

Local clock offset: -0.088 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2018-07-05 10:59:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1166.50 Mbit/s

95th percentile per-packet one-way delay: 327.916 ms

Loss rate: 7.67%

-- Flow 1:

Average throughput: 659.11 Mbit/s

95th percentile per-packet one-way delay: 338.511 ms

Loss rate: 7.39%

-- Flow 2:

Average throughput: 541.42 Mbit/s

95th percentile per-packet one-way delay: 295.864 ms

Loss rate: 9.38%

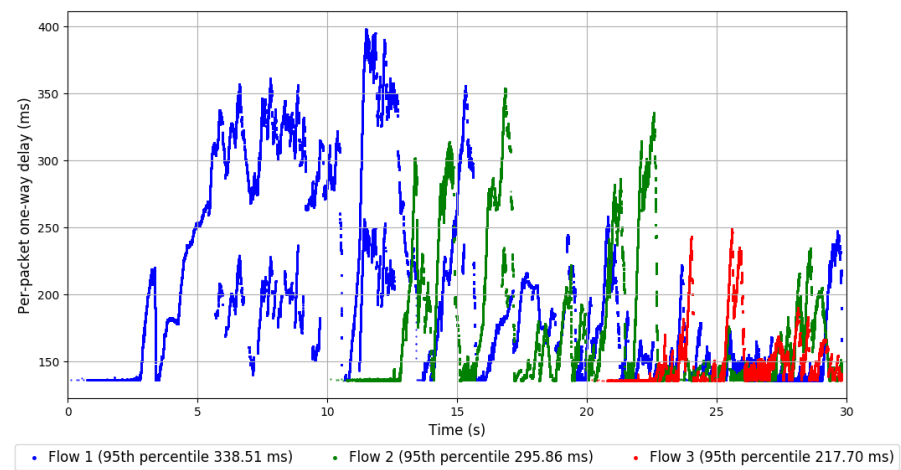
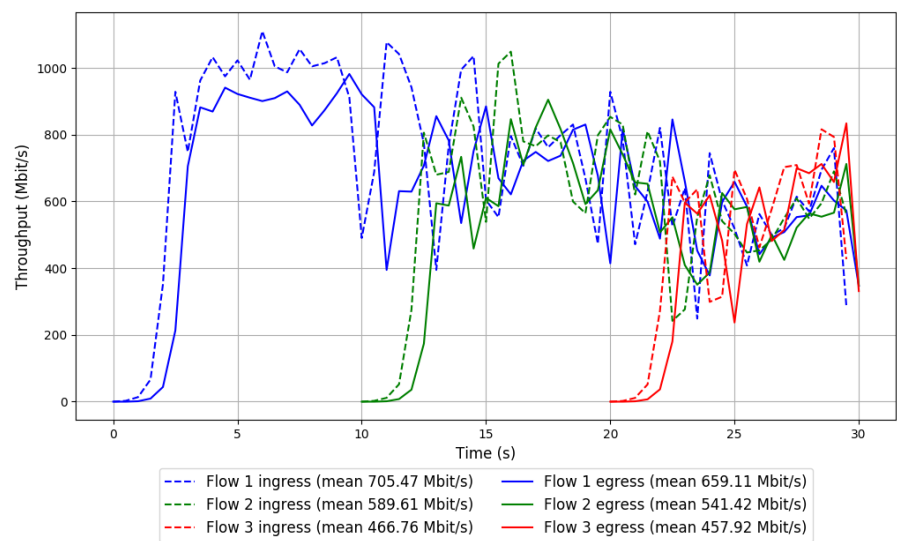
-- Flow 3:

Average throughput: 457.92 Mbit/s

95th percentile per-packet one-way delay: 217.699 ms

Loss rate: 4.64%

Run 2: Report of FillP-Sheep — Data Link

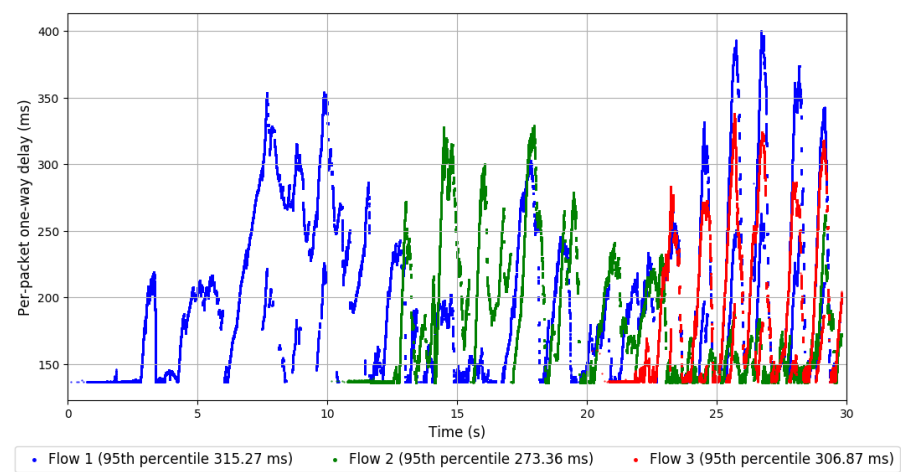
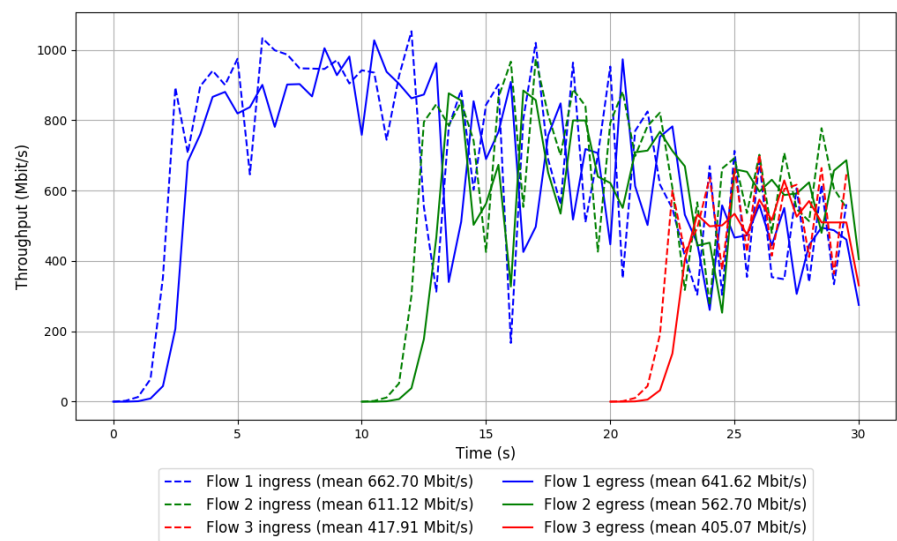


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-05 06:16:58
End at: 2018-07-05 06:17:28
Local clock offset: -0.104 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-05 10:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1145.68 Mbit/s
95th percentile per-packet one-way delay: 306.037 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 641.62 Mbit/s
95th percentile per-packet one-way delay: 315.266 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 562.70 Mbit/s
95th percentile per-packet one-way delay: 273.360 ms
Loss rate: 9.19%
-- Flow 3:
Average throughput: 405.07 Mbit/s
95th percentile per-packet one-way delay: 306.870 ms
Loss rate: 5.97%

Run 3: Report of FillP-Sheep — Data Link

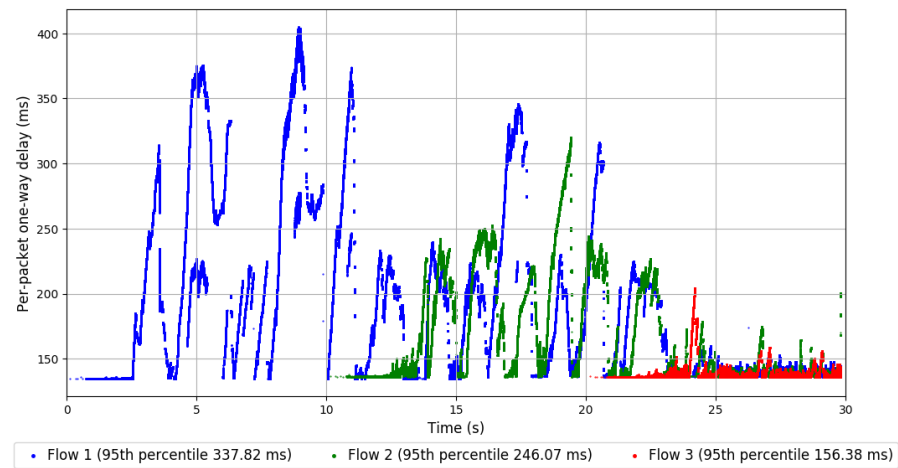
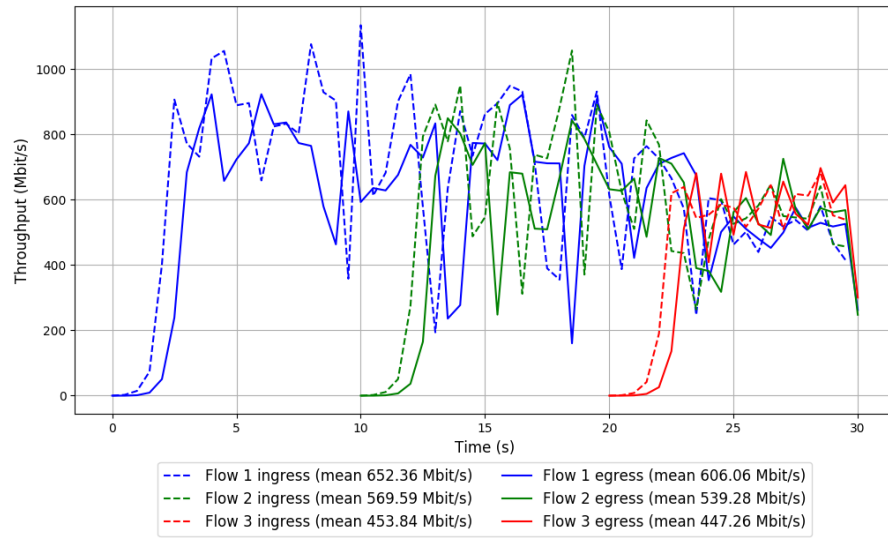


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-05 06:44:14
End at: 2018-07-05 06:44:44
Local clock offset: -0.004 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-05 10:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1108.76 Mbit/s
95th percentile per-packet one-way delay: 313.795 ms
Loss rate: 7.04%
-- Flow 1:
Average throughput: 606.06 Mbit/s
95th percentile per-packet one-way delay: 337.822 ms
Loss rate: 7.95%
-- Flow 2:
Average throughput: 539.28 Mbit/s
95th percentile per-packet one-way delay: 246.070 ms
Loss rate: 6.61%
-- Flow 3:
Average throughput: 447.26 Mbit/s
95th percentile per-packet one-way delay: 156.384 ms
Loss rate: 4.17%

Run 4: Report of FillP-Sheep — Data Link

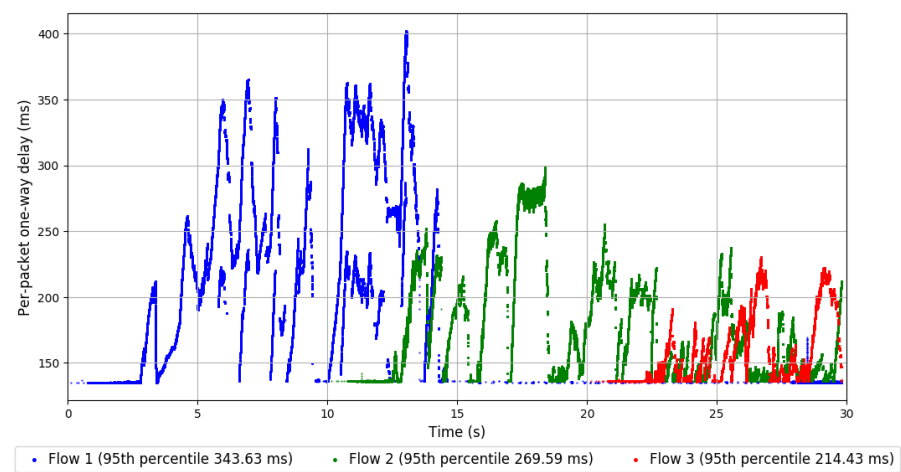
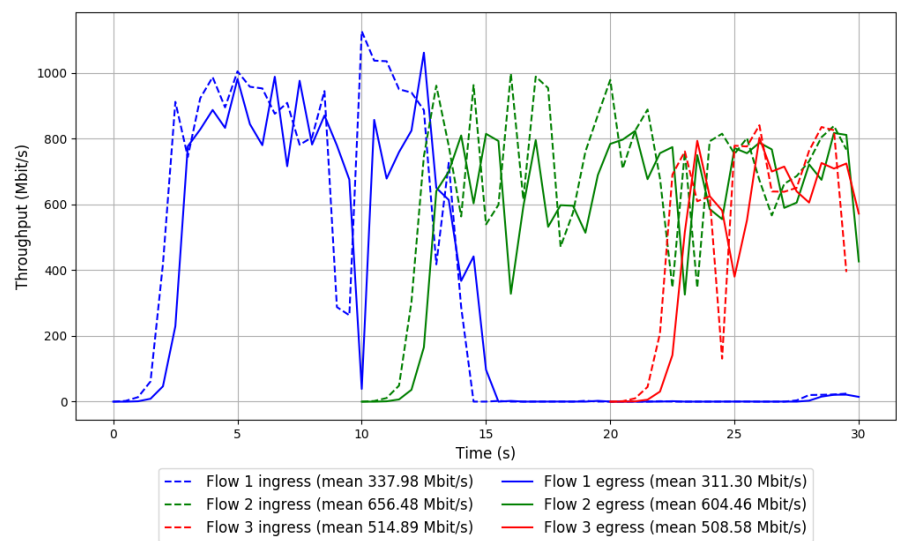


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-05 07:11:15
End at: 2018-07-05 07:11:45
Local clock offset: -0.08 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-05 10:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 877.13 Mbit/s
95th percentile per-packet one-way delay: 323.203 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 311.30 Mbit/s
95th percentile per-packet one-way delay: 343.633 ms
Loss rate: 8.73%
-- Flow 2:
Average throughput: 604.46 Mbit/s
95th percentile per-packet one-way delay: 269.591 ms
Loss rate: 9.18%
-- Flow 3:
Average throughput: 508.58 Mbit/s
95th percentile per-packet one-way delay: 214.432 ms
Loss rate: 3.94%

Run 5: Report of FillP-Sheep — Data Link

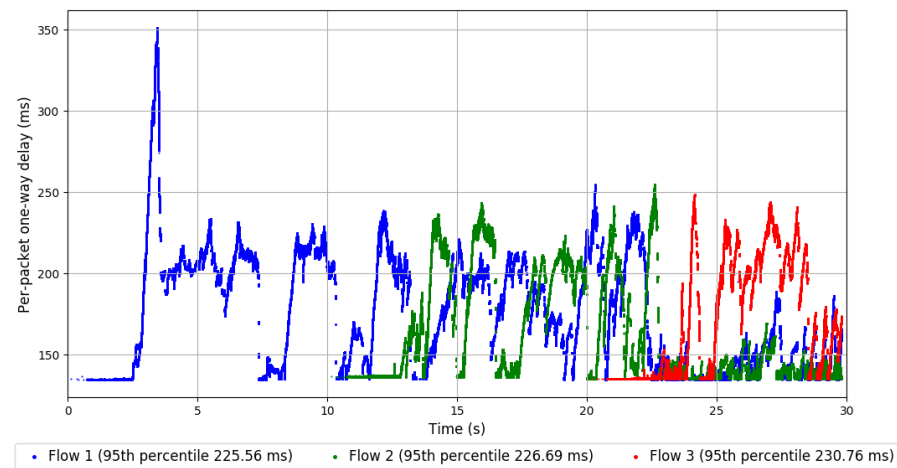
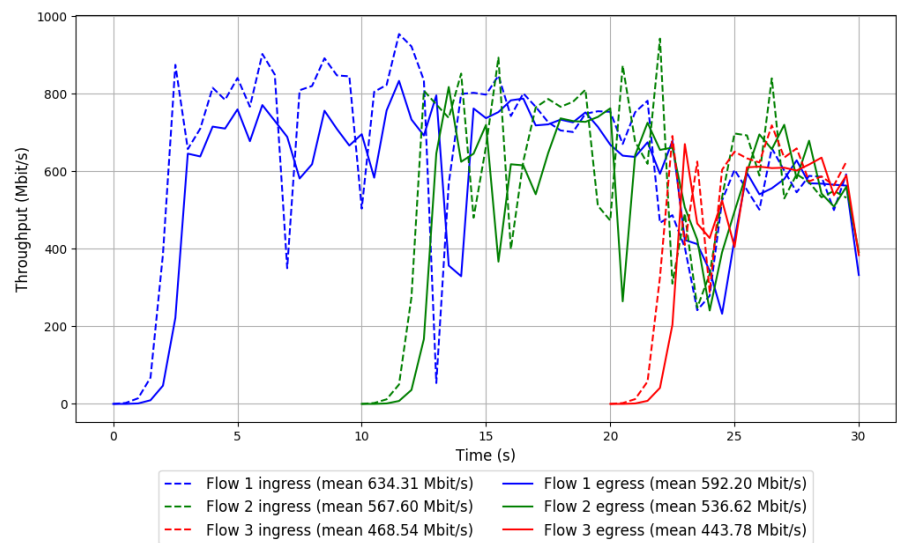


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-05 07:38:12
End at: 2018-07-05 07:38:42
Local clock offset: -0.068 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-05 11:01:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1091.77 Mbit/s
95th percentile per-packet one-way delay: 226.979 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 592.20 Mbit/s
95th percentile per-packet one-way delay: 225.561 ms
Loss rate: 7.49%
-- Flow 2:
Average throughput: 536.62 Mbit/s
95th percentile per-packet one-way delay: 226.687 ms
Loss rate: 6.76%
-- Flow 3:
Average throughput: 443.78 Mbit/s
95th percentile per-packet one-way delay: 230.764 ms
Loss rate: 7.90%

Run 6: Report of FillP-Sheep — Data Link

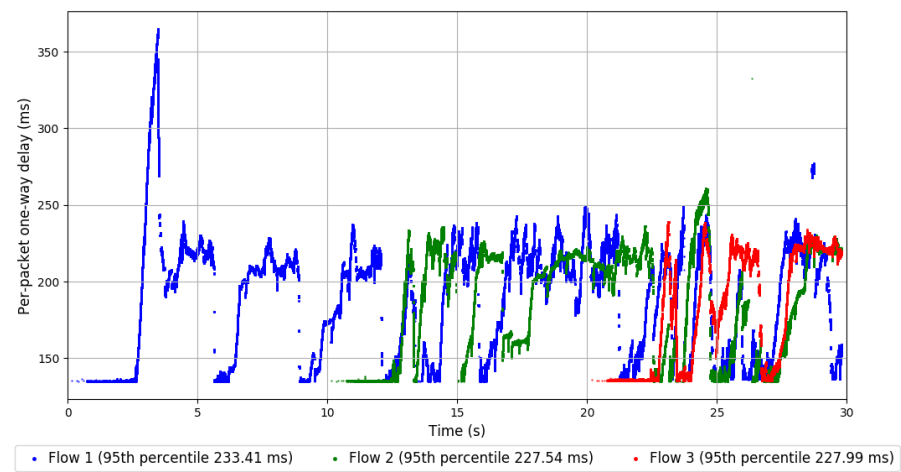
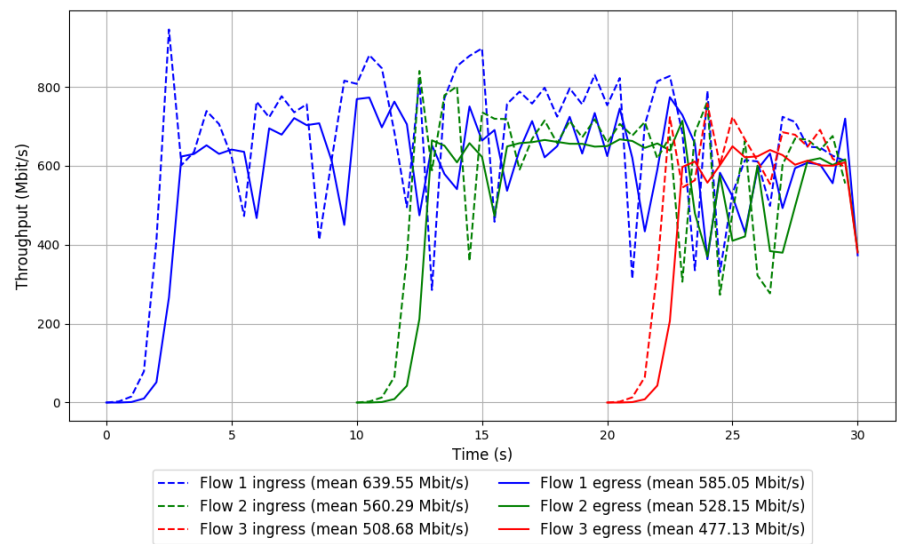


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-05 08:05:12
End at: 2018-07-05 08:05:42
Local clock offset: -0.154 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-05 11:19:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1089.93 Mbit/s
95th percentile per-packet one-way delay: 231.084 ms
Loss rate: 8.53%
-- Flow 1:
Average throughput: 585.05 Mbit/s
95th percentile per-packet one-way delay: 233.409 ms
Loss rate: 9.35%
-- Flow 2:
Average throughput: 528.15 Mbit/s
95th percentile per-packet one-way delay: 227.540 ms
Loss rate: 7.02%
-- Flow 3:
Average throughput: 477.13 Mbit/s
95th percentile per-packet one-way delay: 227.988 ms
Loss rate: 8.78%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-05 08:32:10

End at: 2018-07-05 08:32:40

Local clock offset: -0.078 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-07-05 11:20:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1050.61 Mbit/s

95th percentile per-packet one-way delay: 287.172 ms

Loss rate: 13.01%

-- Flow 1:

Average throughput: 580.88 Mbit/s

95th percentile per-packet one-way delay: 277.483 ms

Loss rate: 11.03%

-- Flow 2:

Average throughput: 472.84 Mbit/s

95th percentile per-packet one-way delay: 319.372 ms

Loss rate: 17.65%

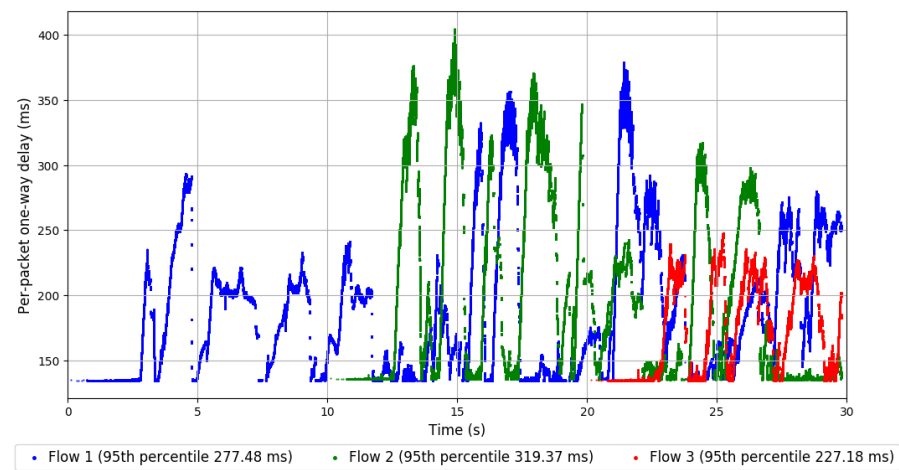
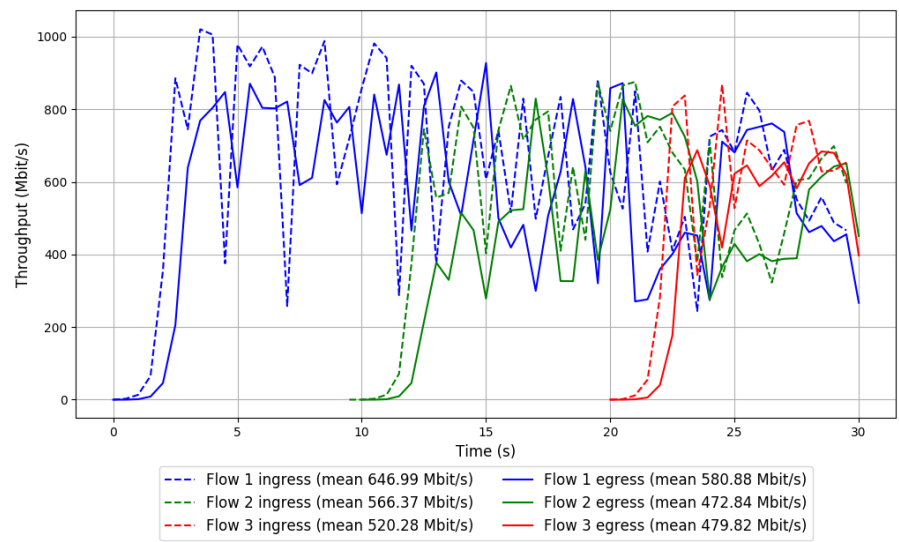
-- Flow 3:

Average throughput: 479.82 Mbit/s

95th percentile per-packet one-way delay: 227.180 ms

Loss rate: 10.30%

Run 8: Report of FillP-Sheep — Data Link

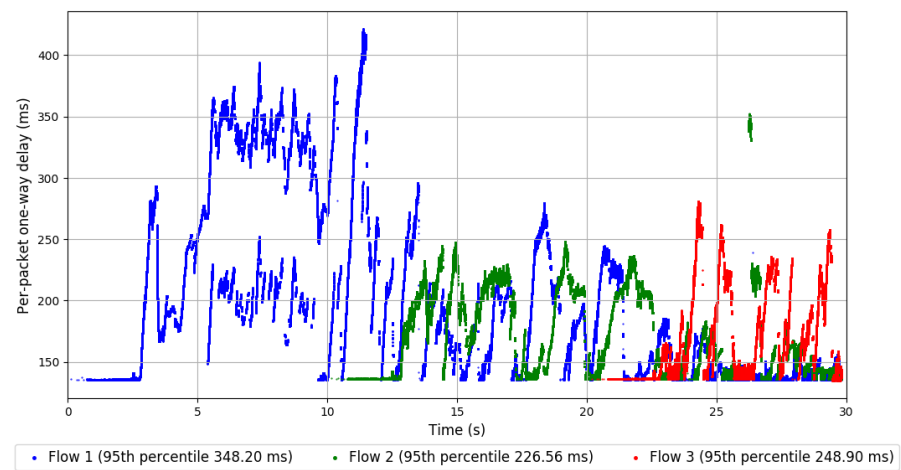
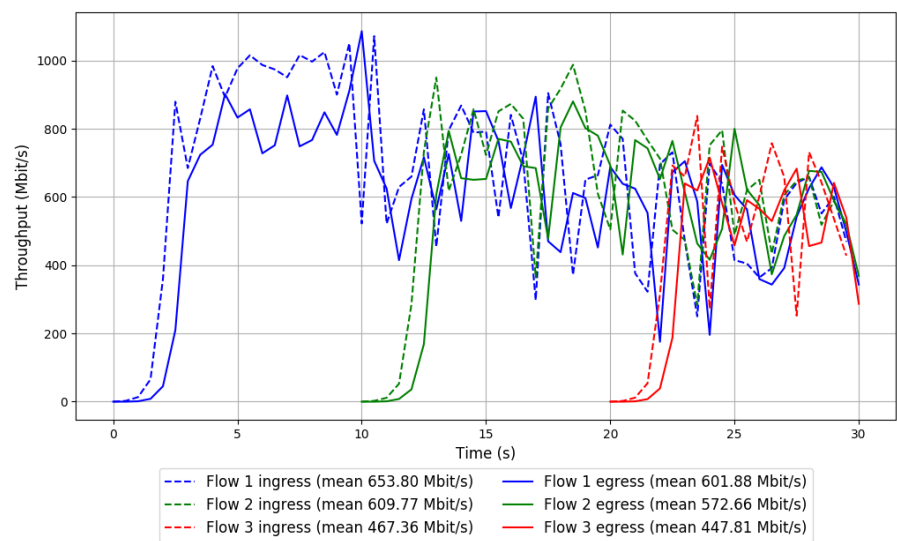


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-05 08:59:01
End at: 2018-07-05 08:59:31
Local clock offset: -0.135 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-07-05 11:22:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 1126.54 Mbit/s
95th percentile per-packet one-way delay: 336.084 ms
Loss rate: 8.05%
-- Flow 1:
Average throughput: 601.88 Mbit/s
95th percentile per-packet one-way delay: 348.202 ms
Loss rate: 8.78%
-- Flow 2:
Average throughput: 572.66 Mbit/s
95th percentile per-packet one-way delay: 226.563 ms
Loss rate: 7.38%
-- Flow 3:
Average throughput: 447.81 Mbit/s
95th percentile per-packet one-way delay: 248.901 ms
Loss rate: 6.77%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-05 09:26:05

End at: 2018-07-05 09:26:35

Local clock offset: -0.038 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-05 11:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1084.63 Mbit/s

95th percentile per-packet one-way delay: 261.240 ms

Loss rate: 10.72%

-- Flow 1:

Average throughput: 643.01 Mbit/s

95th percentile per-packet one-way delay: 249.835 ms

Loss rate: 8.34%

-- Flow 2:

Average throughput: 431.55 Mbit/s

95th percentile per-packet one-way delay: 265.274 ms

Loss rate: 15.81%

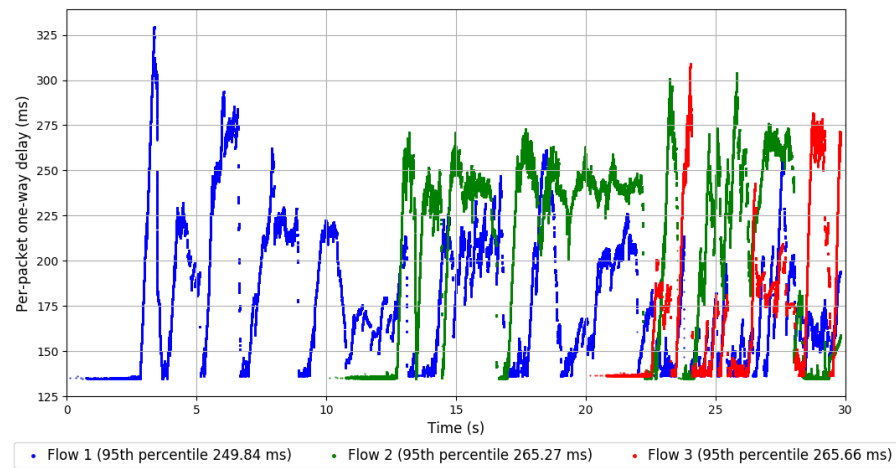
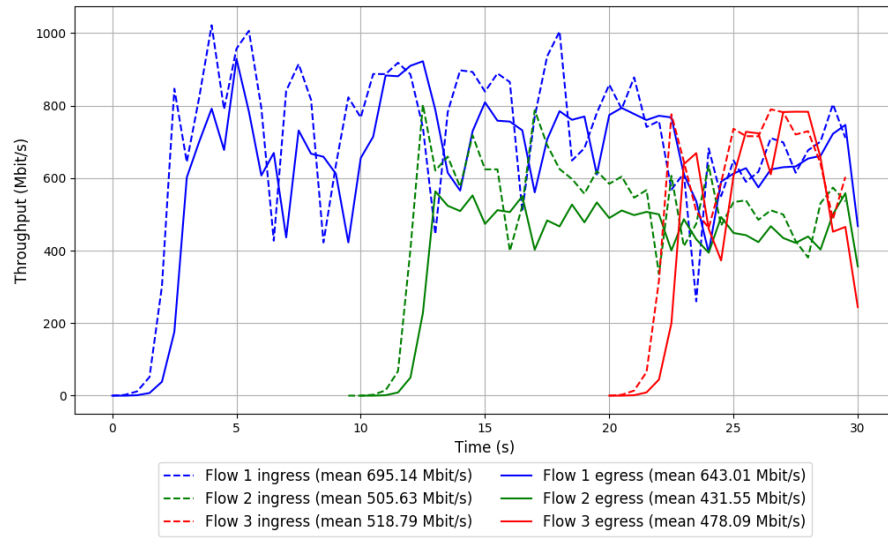
-- Flow 3:

Average throughput: 478.09 Mbit/s

95th percentile per-packet one-way delay: 265.659 ms

Loss rate: 10.38%

Run 10: Report of FillP-Sheep — Data Link

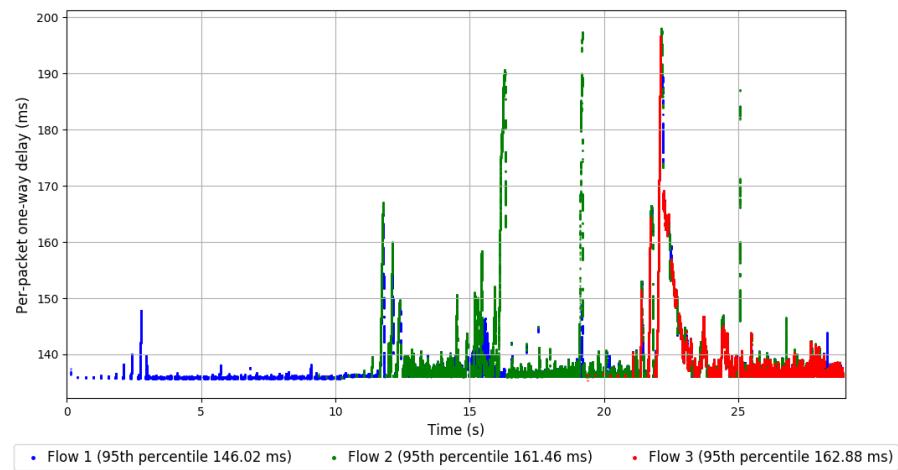
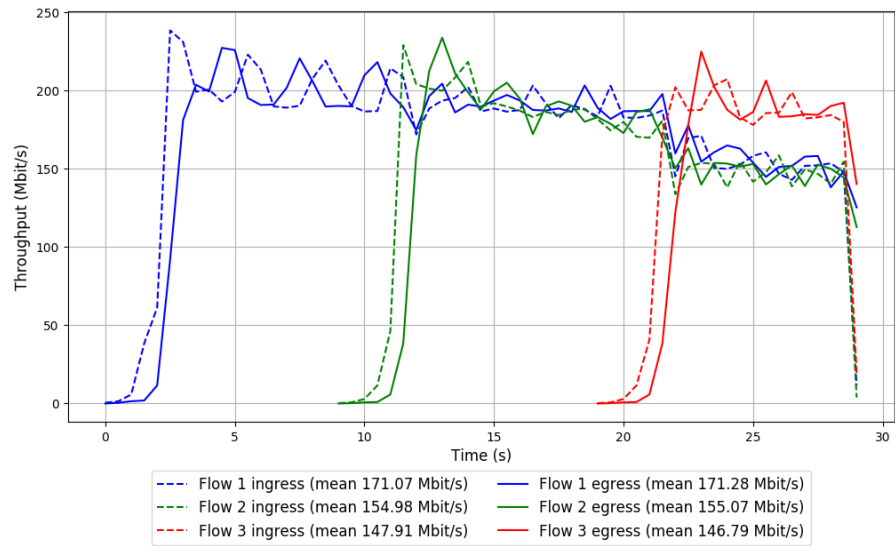


Run 1: Statistics of Indigo

Start at: 2018-07-05 05:07:19
End at: 2018-07-05 05:07:49
Local clock offset: 0.072 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.09 Mbit/s
95th percentile per-packet one-way delay: 153.702 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 171.28 Mbit/s
95th percentile per-packet one-way delay: 146.020 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 155.07 Mbit/s
95th percentile per-packet one-way delay: 161.464 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 162.882 ms
Loss rate: 3.51%

Run 1: Report of Indigo — Data Link

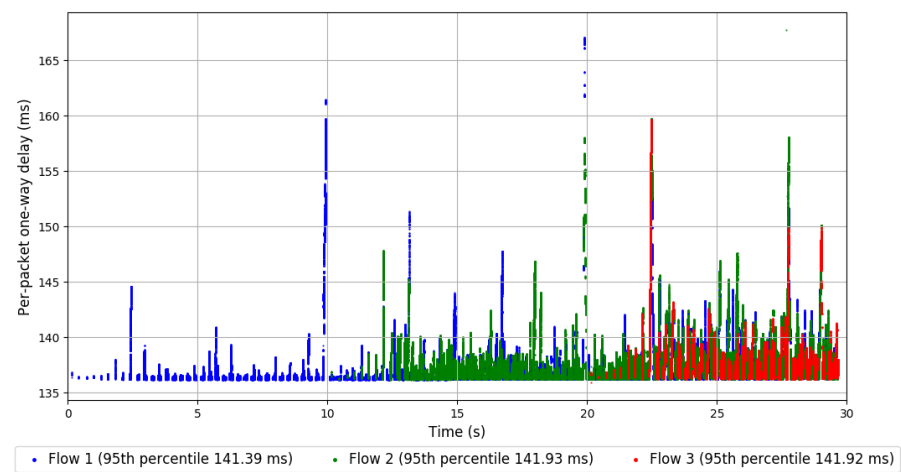
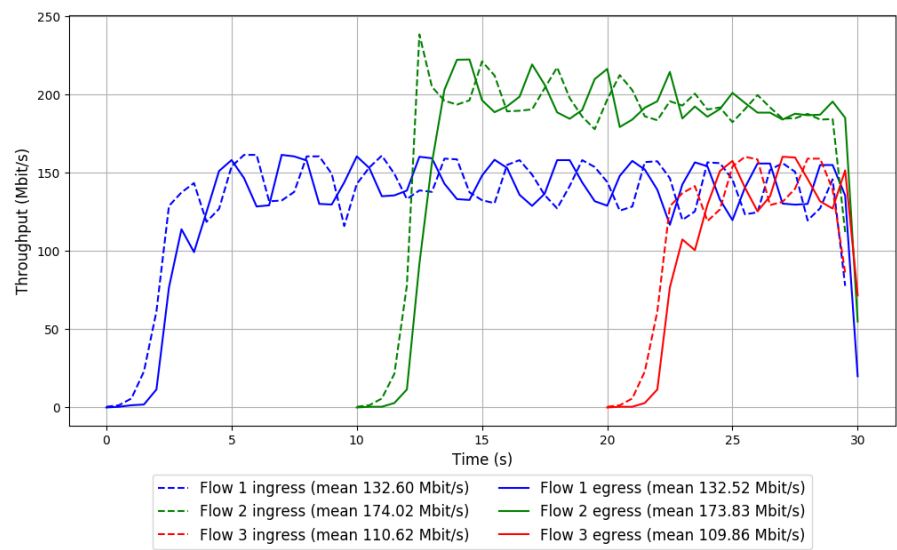


Run 2: Statistics of Indigo

Start at: 2018-07-05 05:34:35
End at: 2018-07-05 05:35:05
Local clock offset: -0.051 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.13 Mbit/s
95th percentile per-packet one-way delay: 141.691 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 132.52 Mbit/s
95th percentile per-packet one-way delay: 141.392 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 173.83 Mbit/s
95th percentile per-packet one-way delay: 141.932 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 109.86 Mbit/s
95th percentile per-packet one-way delay: 141.918 ms
Loss rate: 3.43%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-05 06:01:50

End at: 2018-07-05 06:02:20

Local clock offset: 0.06 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-05 11:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.00 Mbit/s

95th percentile per-packet one-way delay: 138.882 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 132.80 Mbit/s

95th percentile per-packet one-way delay: 138.120 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 127.28 Mbit/s

95th percentile per-packet one-way delay: 138.774 ms

Loss rate: 1.53%

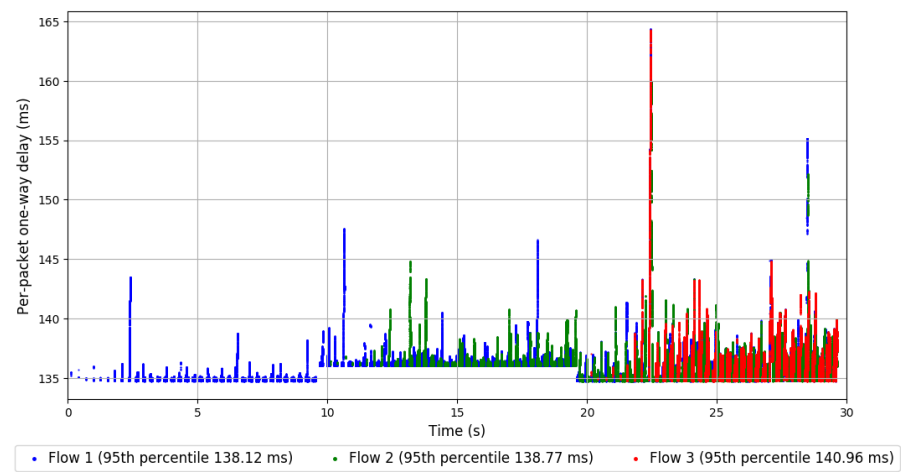
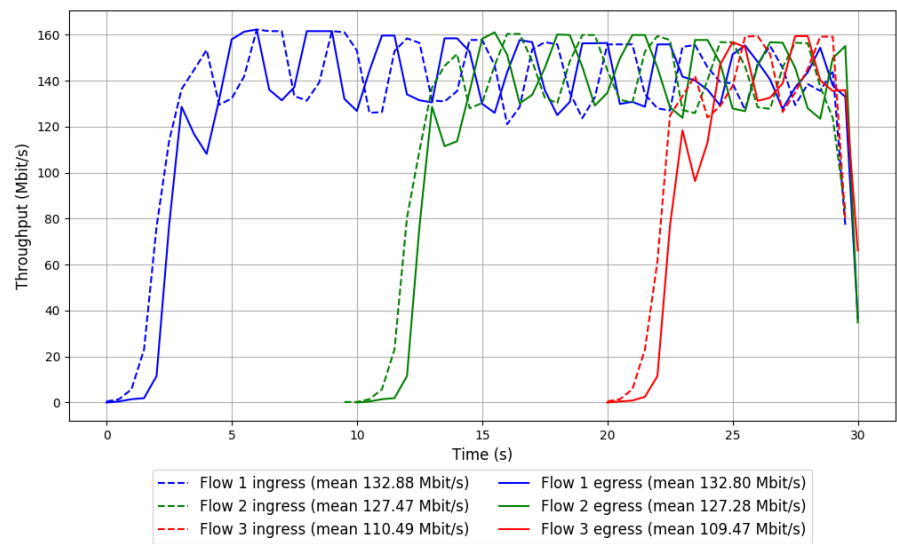
-- Flow 3:

Average throughput: 109.47 Mbit/s

95th percentile per-packet one-way delay: 140.956 ms

Loss rate: 3.68%

Run 3: Report of Indigo — Data Link

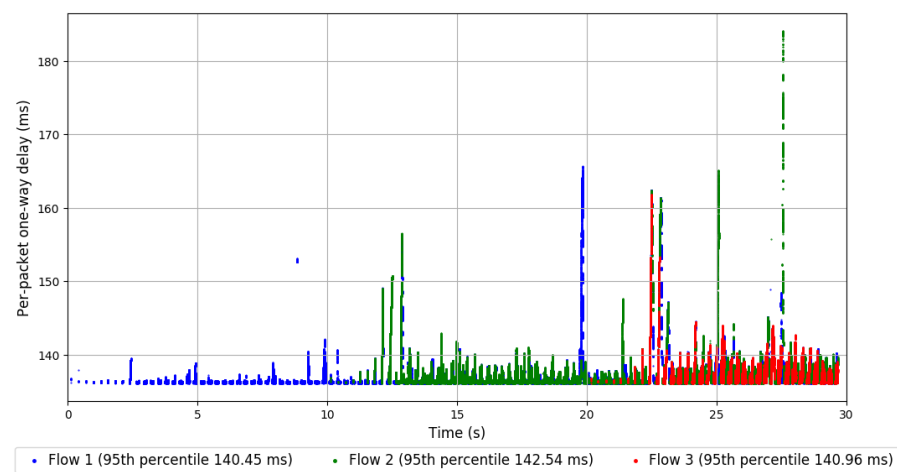
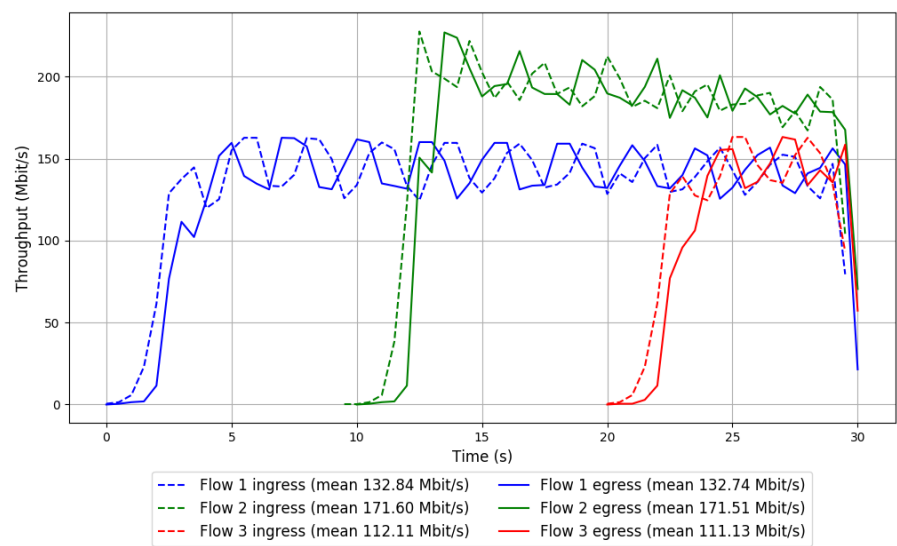


Run 4: Statistics of Indigo

Start at: 2018-07-05 06:28:57
End at: 2018-07-05 06:29:27
Local clock offset: -0.16 ms
Remote clock offset: -0.101 ms

```
# Below is generated by plot.py at 2018-07-05 11:24:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 281.91 Mbit/s
95th percentile per-packet one-way delay: 141.138 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 132.74 Mbit/s
95th percentile per-packet one-way delay: 140.446 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 171.51 Mbit/s
95th percentile per-packet one-way delay: 142.542 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 111.13 Mbit/s
95th percentile per-packet one-way delay: 140.957 ms
Loss rate: 3.64%
```

Run 4: Report of Indigo — Data Link

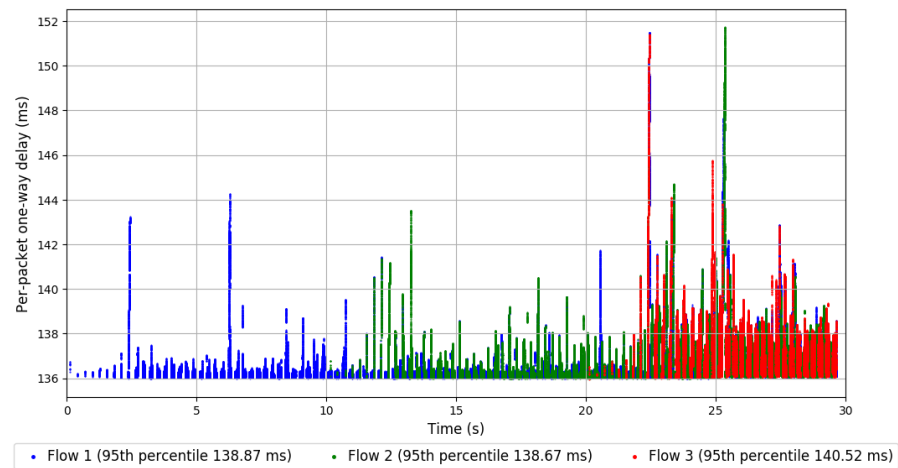
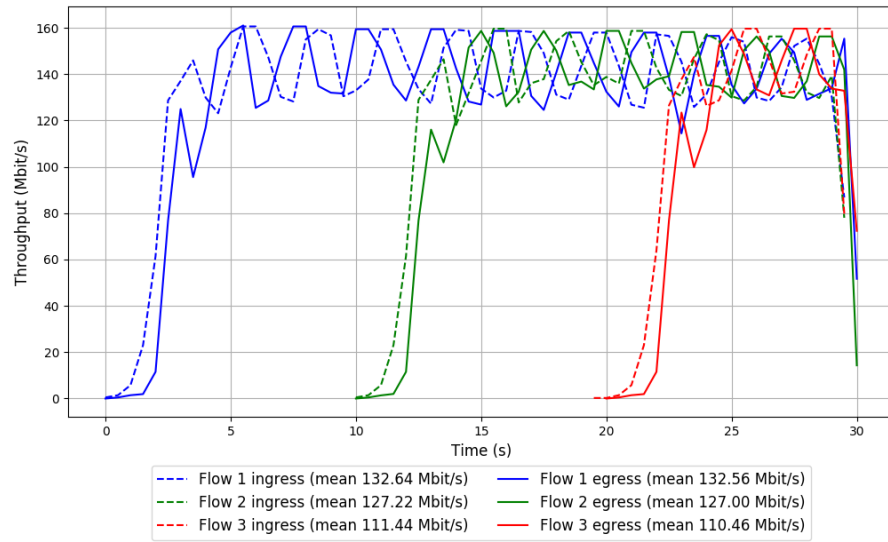


Run 5: Statistics of Indigo

Start at: 2018-07-05 06:56:05
End at: 2018-07-05 06:56:35
Local clock offset: -0.276 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.54 Mbit/s
95th percentile per-packet one-way delay: 139.154 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 132.56 Mbit/s
95th percentile per-packet one-way delay: 138.867 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 127.00 Mbit/s
95th percentile per-packet one-way delay: 138.674 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 110.46 Mbit/s
95th percentile per-packet one-way delay: 140.521 ms
Loss rate: 3.66%

Run 5: Report of Indigo — Data Link

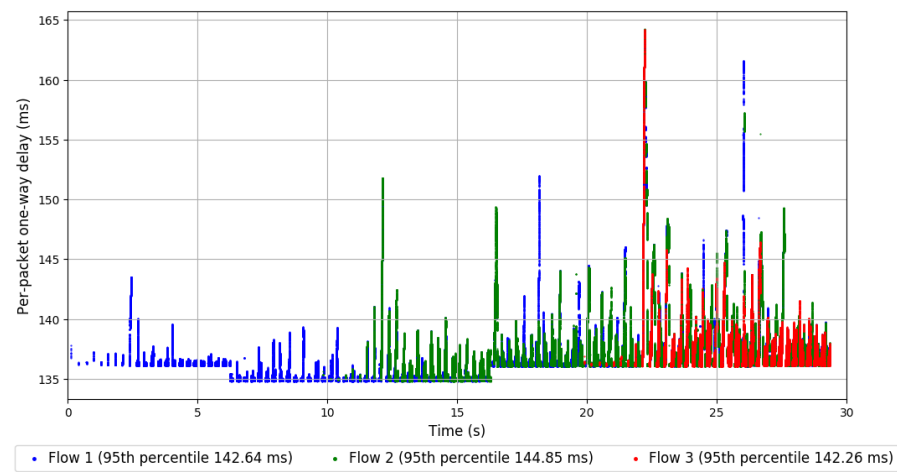
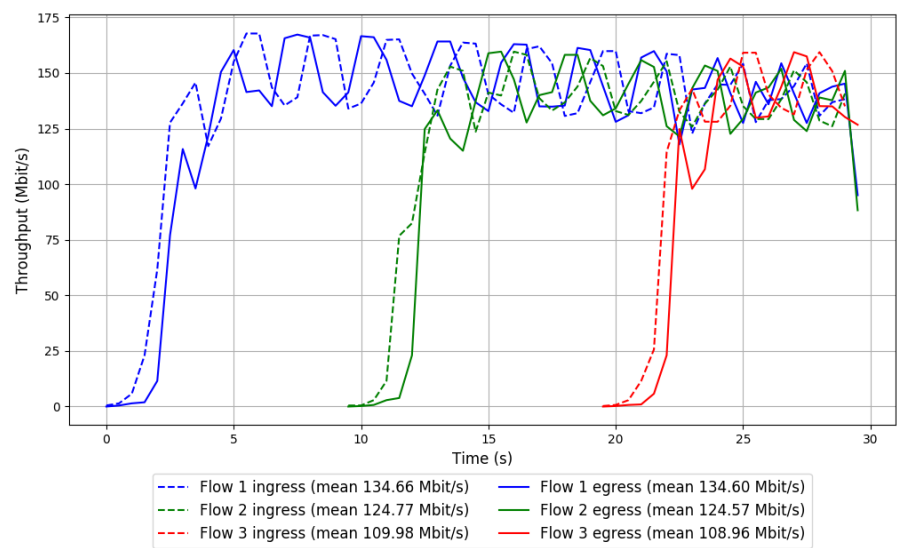


Run 6: Statistics of Indigo

Start at: 2018-07-05 07:23:03
End at: 2018-07-05 07:23:33
Local clock offset: 0.181 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.07 Mbit/s
95th percentile per-packet one-way delay: 143.520 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 134.60 Mbit/s
95th percentile per-packet one-way delay: 142.644 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 124.57 Mbit/s
95th percentile per-packet one-way delay: 144.849 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 108.96 Mbit/s
95th percentile per-packet one-way delay: 142.262 ms
Loss rate: 3.71%

Run 6: Report of Indigo — Data Link

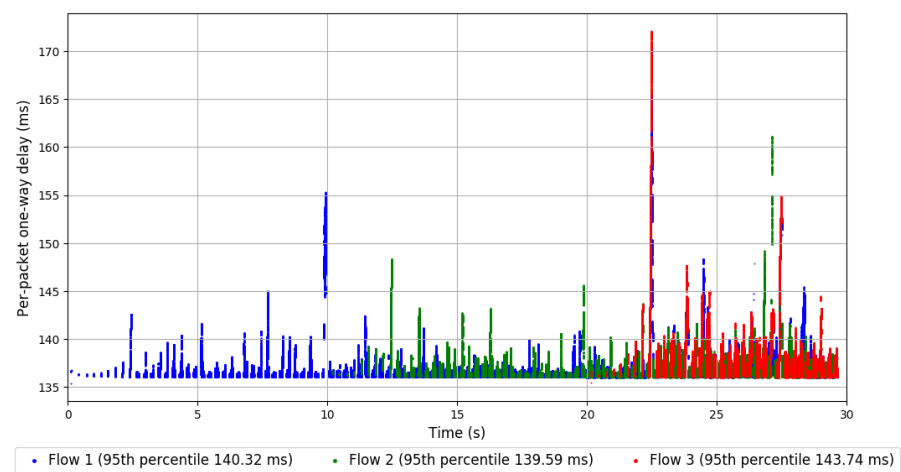
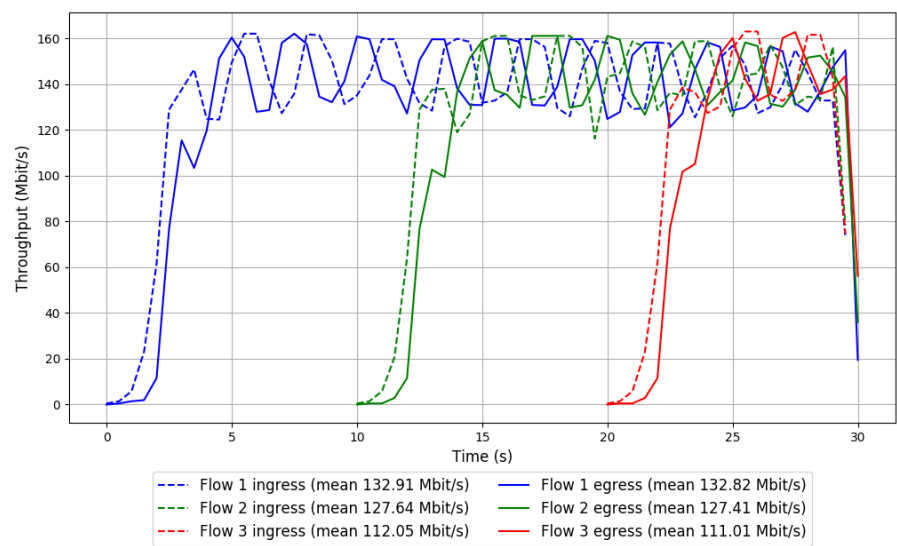


Run 7: Statistics of Indigo

Start at: 2018-07-05 07:50:00
End at: 2018-07-05 07:50:30
Local clock offset: 0.051 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: 140.744 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 132.82 Mbit/s
95th percentile per-packet one-way delay: 140.323 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 127.41 Mbit/s
95th percentile per-packet one-way delay: 139.591 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 111.01 Mbit/s
95th percentile per-packet one-way delay: 143.738 ms
Loss rate: 3.69%

Run 7: Report of Indigo — Data Link

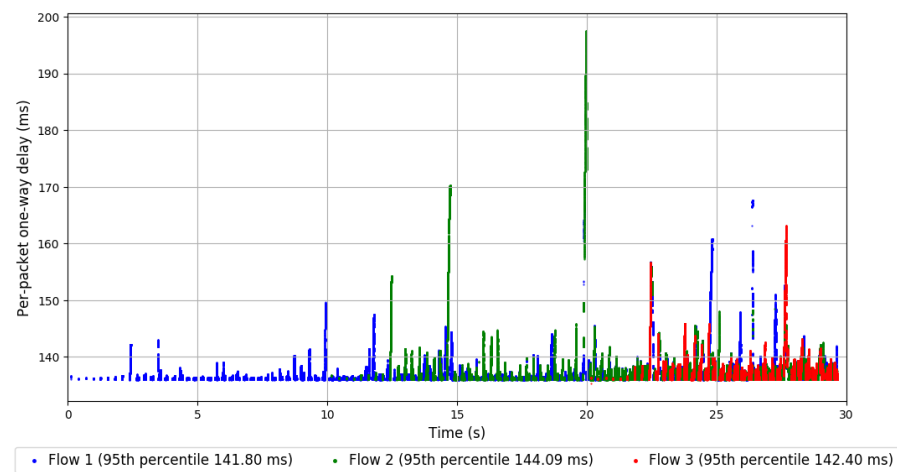
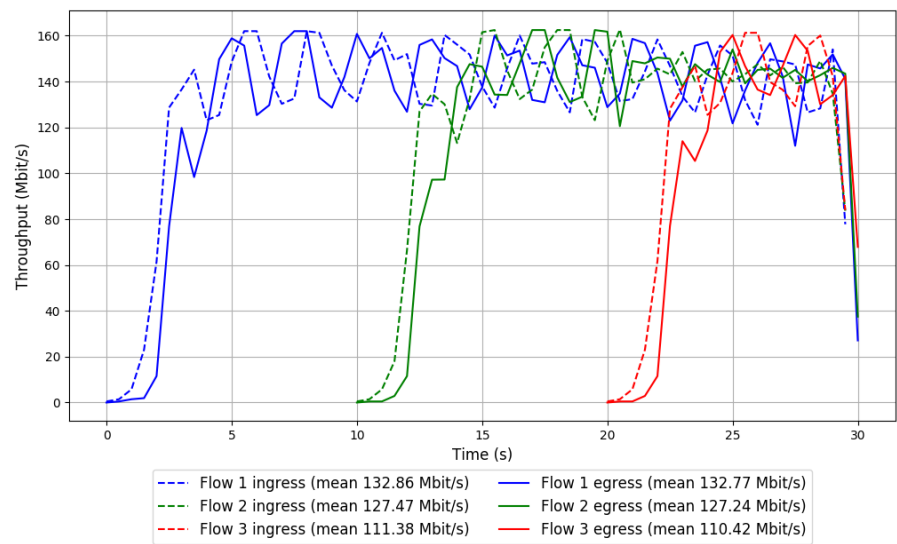


Run 8: Statistics of Indigo

Start at: 2018-07-05 08:17:04
End at: 2018-07-05 08:17:34
Local clock offset: 0.062 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.19 Mbit/s
95th percentile per-packet one-way delay: 142.552 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 132.77 Mbit/s
95th percentile per-packet one-way delay: 141.801 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 127.24 Mbit/s
95th percentile per-packet one-way delay: 144.094 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 110.42 Mbit/s
95th percentile per-packet one-way delay: 142.404 ms
Loss rate: 3.63%

Run 8: Report of Indigo — Data Link

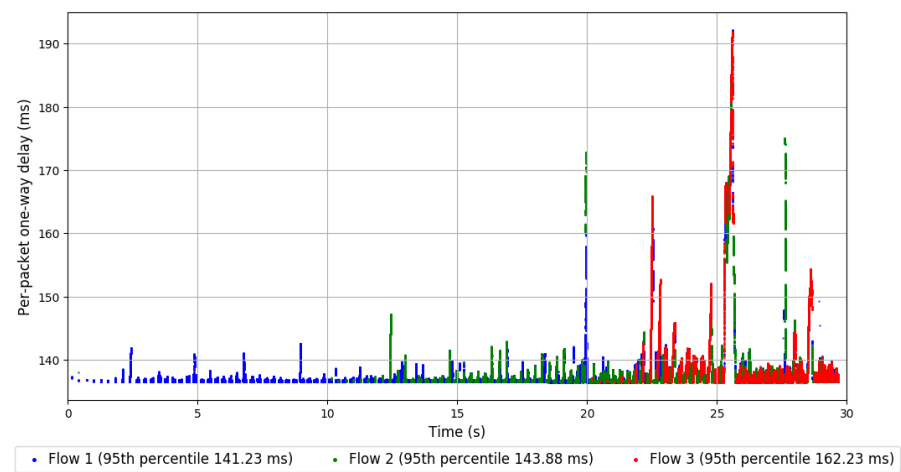
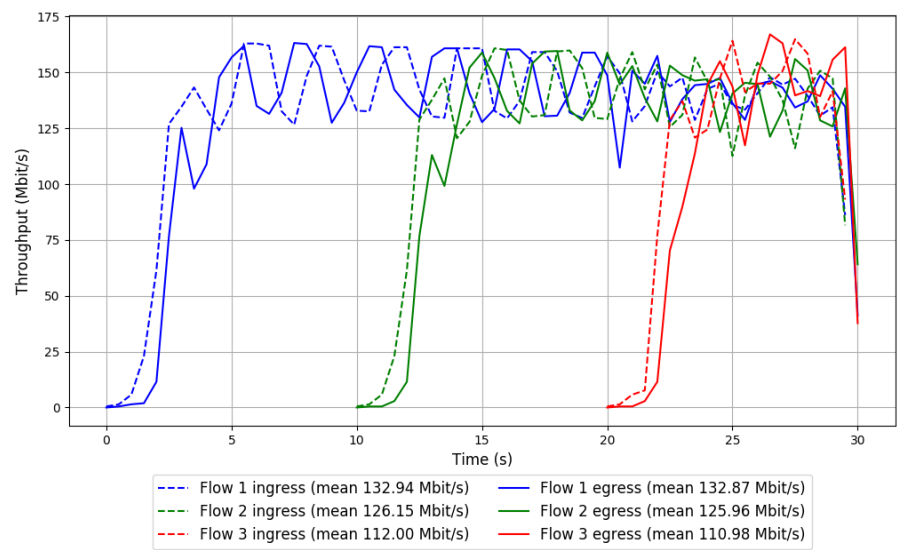


Run 9: Statistics of Indigo

Start at: 2018-07-05 08:44:02
End at: 2018-07-05 08:44:32
Local clock offset: 0.214 ms
Remote clock offset: -0.489 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.74 Mbit/s
95th percentile per-packet one-way delay: 144.724 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 132.87 Mbit/s
95th percentile per-packet one-way delay: 141.233 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 125.96 Mbit/s
95th percentile per-packet one-way delay: 143.880 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 110.98 Mbit/s
95th percentile per-packet one-way delay: 162.233 ms
Loss rate: 3.68%

Run 9: Report of Indigo — Data Link

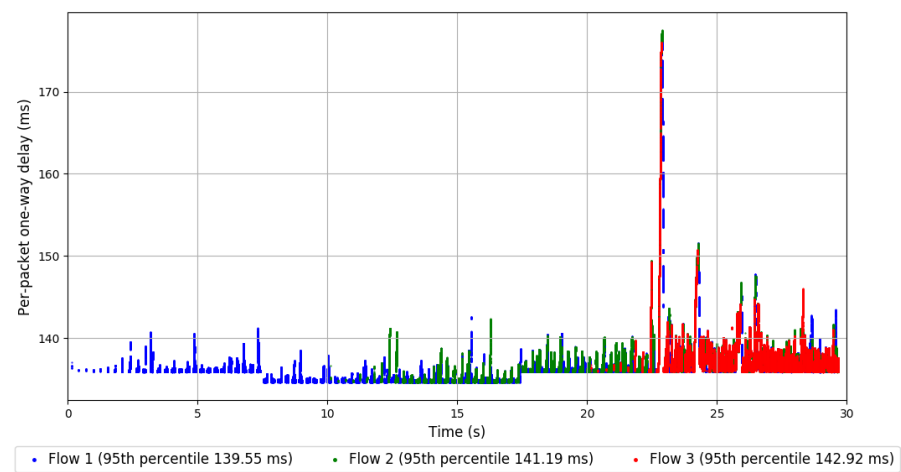
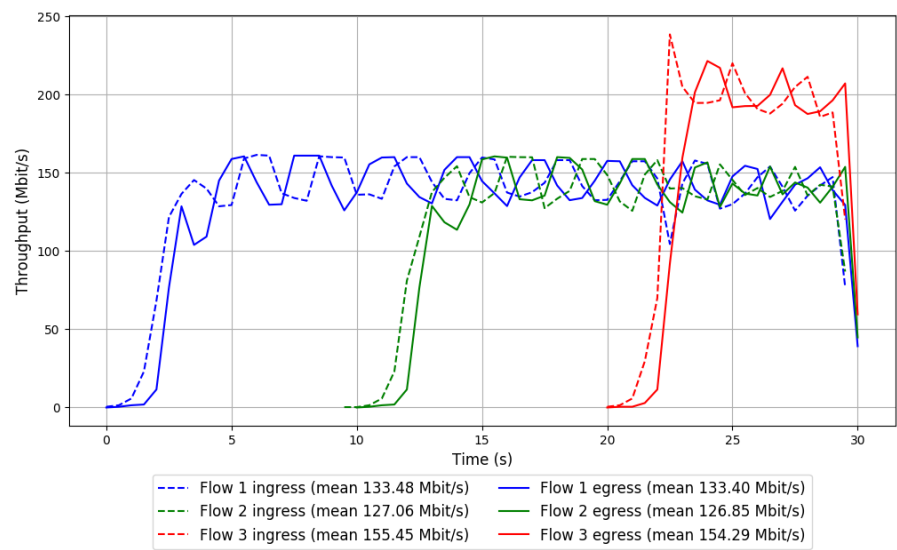


Run 10: Statistics of Indigo

Start at: 2018-07-05 09:11:03
End at: 2018-07-05 09:11:33
Local clock offset: 0.055 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.66 Mbit/s
95th percentile per-packet one-way delay: 140.717 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 133.40 Mbit/s
95th percentile per-packet one-way delay: 139.549 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 126.85 Mbit/s
95th percentile per-packet one-way delay: 141.191 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 154.29 Mbit/s
95th percentile per-packet one-way delay: 142.924 ms
Loss rate: 3.52%

Run 10: Report of Indigo — Data Link

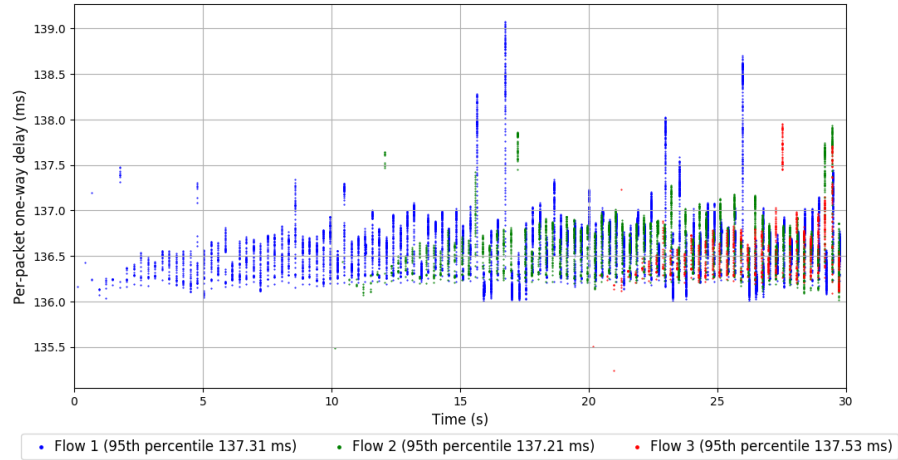
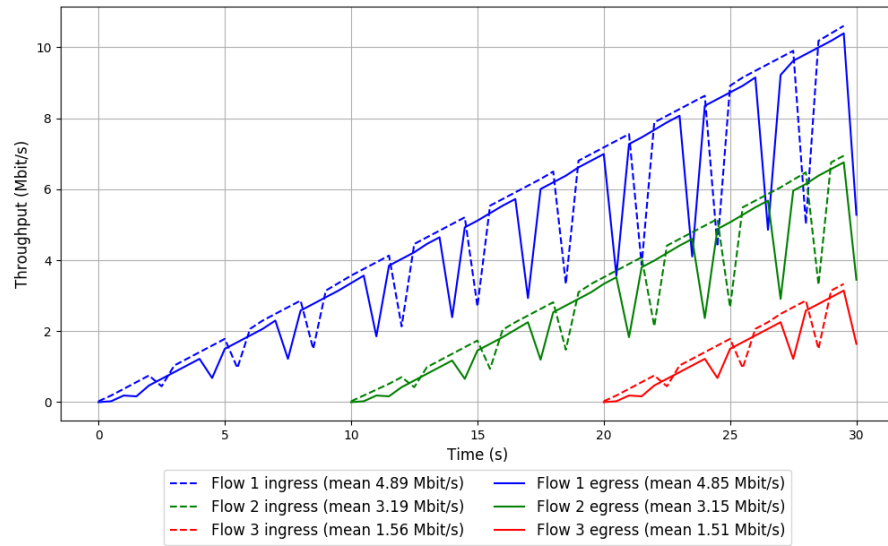


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-05 05:09:00
End at: 2018-07-05 05:09:30
Local clock offset: 0.049 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-07-05 11:24:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 137.301 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 137.306 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 137.213 ms
Loss rate: 2.76%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 137.525 ms
Loss rate: 5.51%
```


Run 1: Report of LEDBAT — Data Link

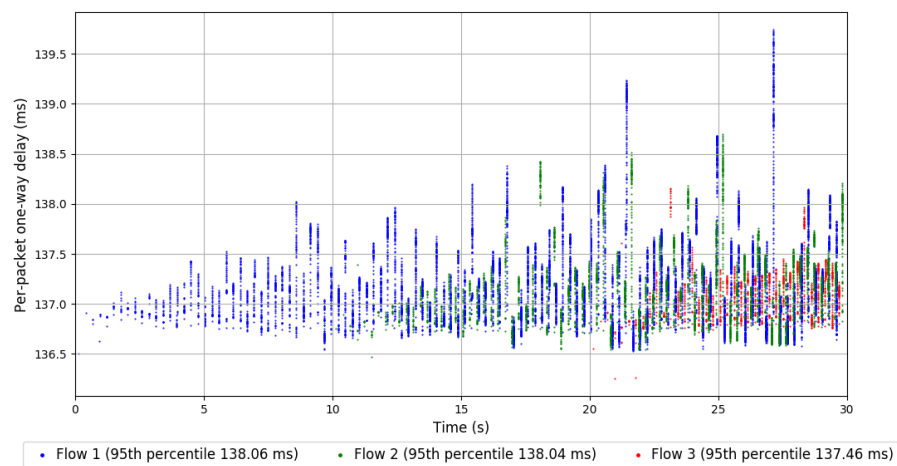
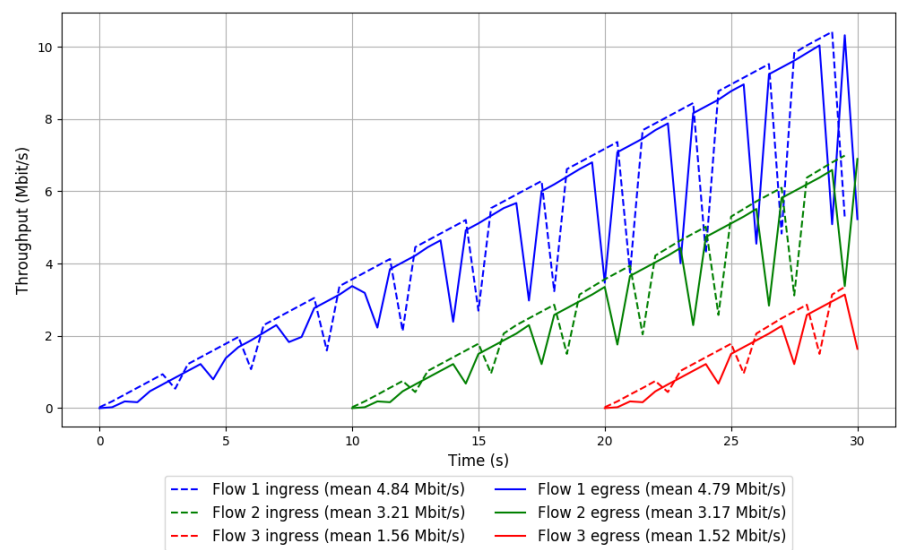


Run 2: Statistics of LEDBAT

Start at: 2018-07-05 05:36:15
End at: 2018-07-05 05:36:45
Local clock offset: -0.075 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 138.036 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 138.055 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 138.040 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 137.458 ms
Loss rate: 5.58%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-05 06:03:27

End at: 2018-07-05 06:03:57

Local clock offset: -0.099 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-05 11:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 136.832 ms

Loss rate: 3.06%

-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 136.895 ms

Loss rate: 2.51%

-- Flow 2:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 136.740 ms

Loss rate: 3.11%

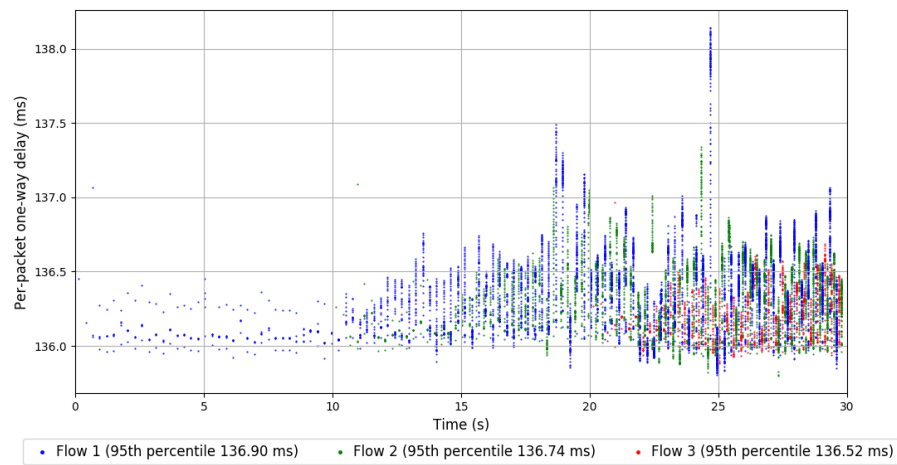
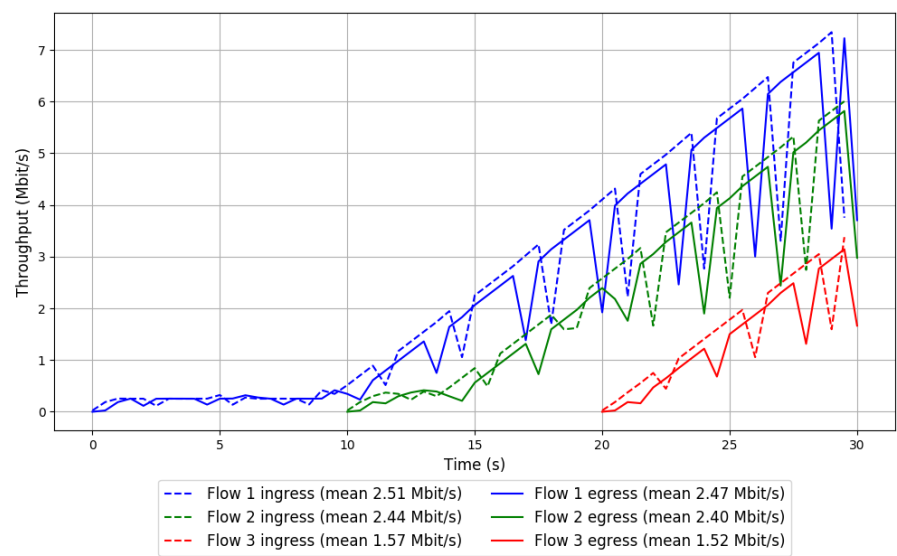
-- Flow 3:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 136.522 ms

Loss rate: 5.57%

Run 3: Report of LEDBAT — Data Link

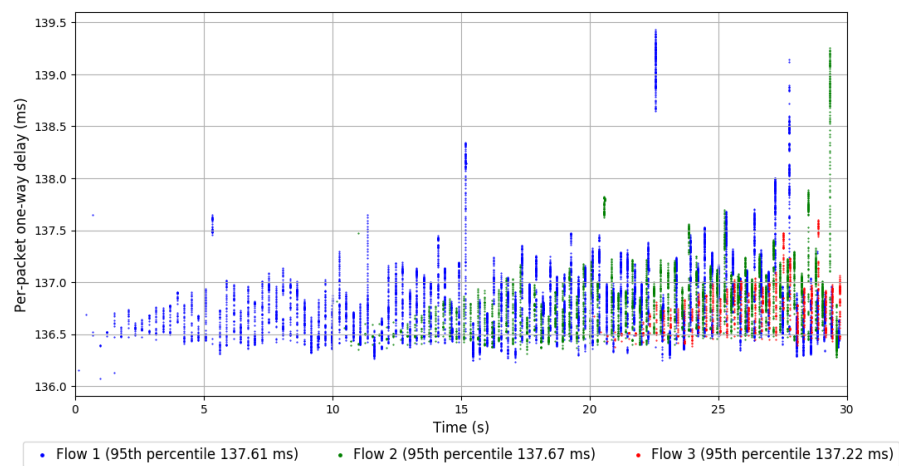
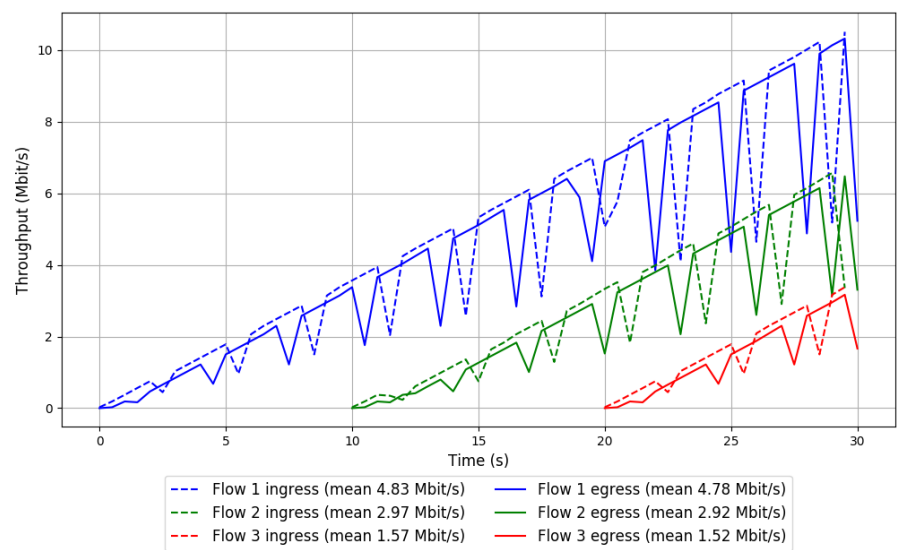


Run 4: Statistics of LEDBAT

Start at: 2018-07-05 06:30:36
End at: 2018-07-05 06:31:06
Local clock offset: -0.052 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 137.585 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.612 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 137.669 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 137.223 ms
Loss rate: 5.56%

Run 4: Report of LEDBAT — Data Link

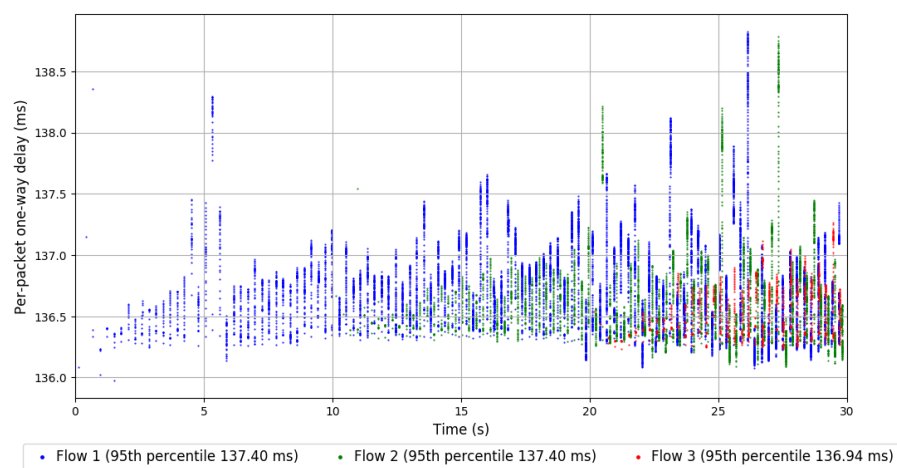
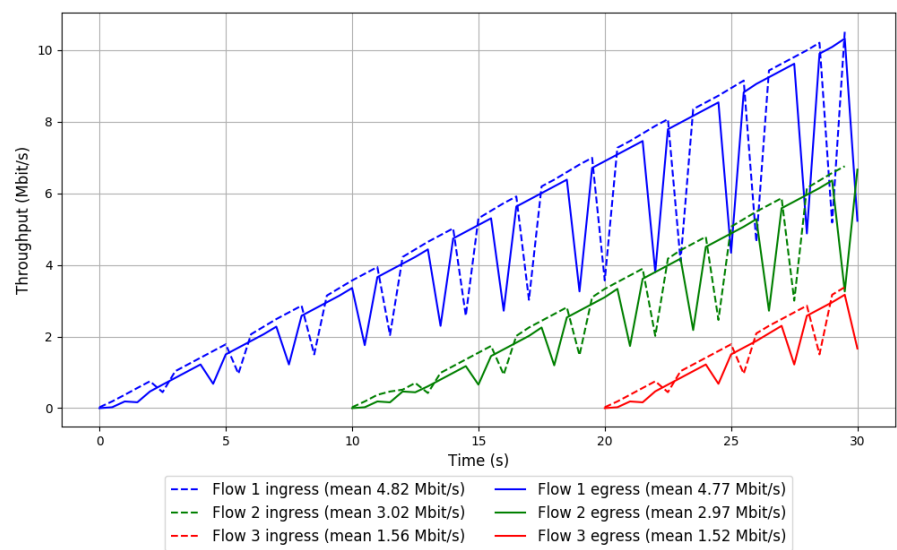


Run 5: Statistics of LEDBAT

Start at: 2018-07-05 06:57:41
End at: 2018-07-05 06:58:11
Local clock offset: -0.173 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 137.374 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.400 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 137.402 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.945 ms
Loss rate: 5.56%

Run 5: Report of LEDBAT — Data Link

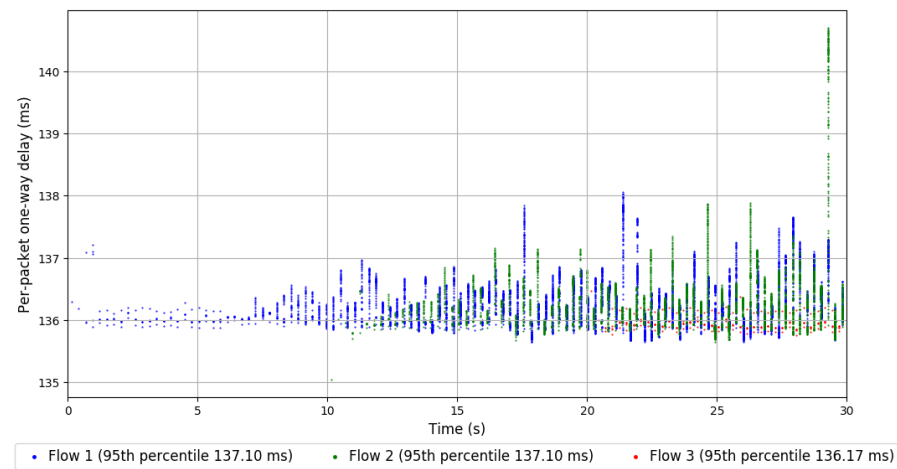
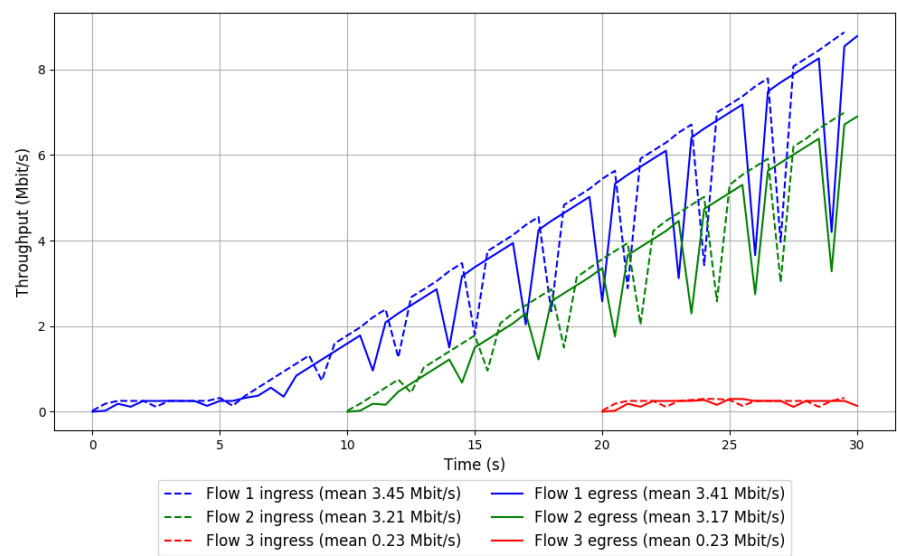


Run 6: Statistics of LEDBAT

Start at: 2018-07-05 07:24:41
End at: 2018-07-05 07:25:11
Local clock offset: -0.265 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 137.097 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 137.100 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 137.098 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.172 ms
Loss rate: 4.06%

Run 6: Report of LEDBAT — Data Link

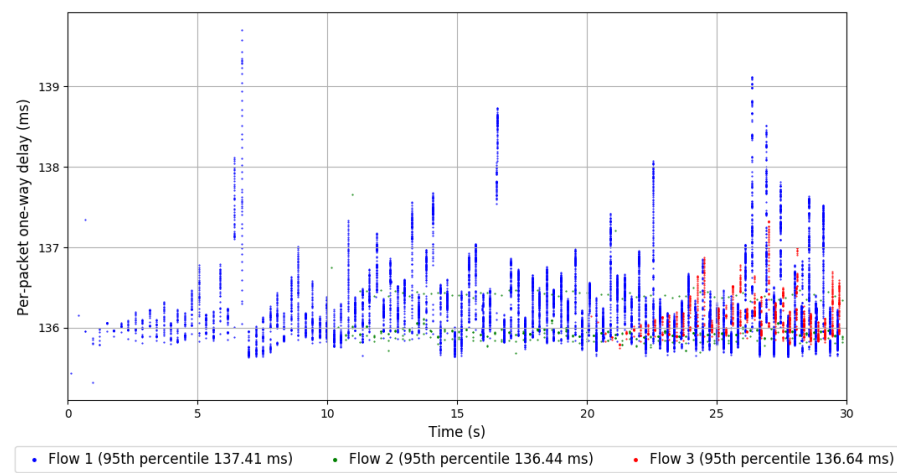
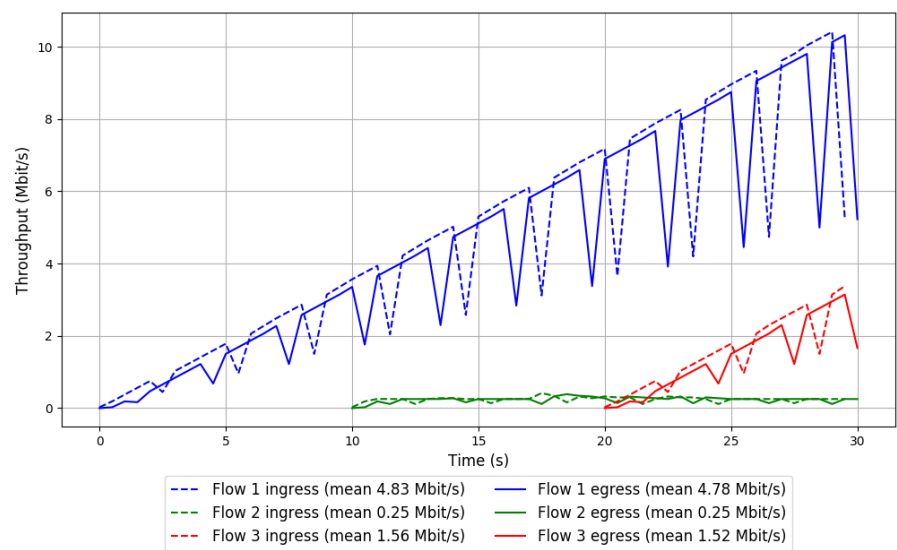


Run 7: Statistics of LEDBAT

Start at: 2018-07-05 07:51:38
End at: 2018-07-05 07:52:08
Local clock offset: -0.305 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 137.348 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.411 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 136.435 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 5.57%

Run 7: Report of LEDBAT — Data Link

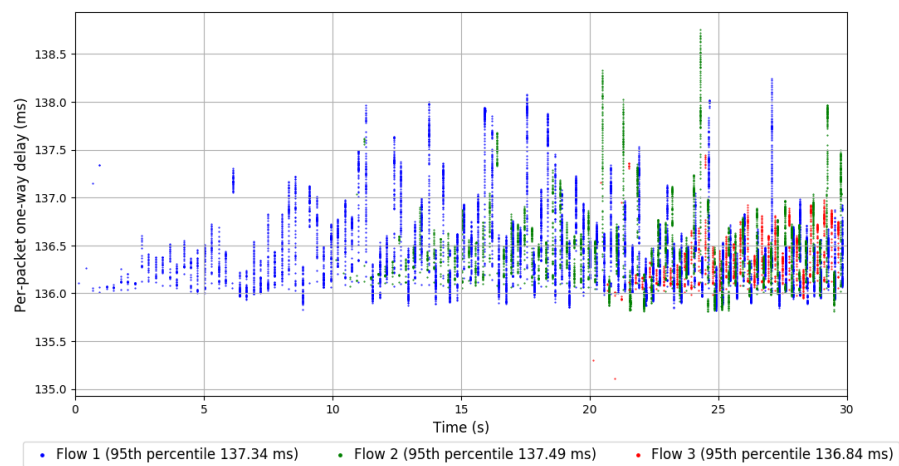
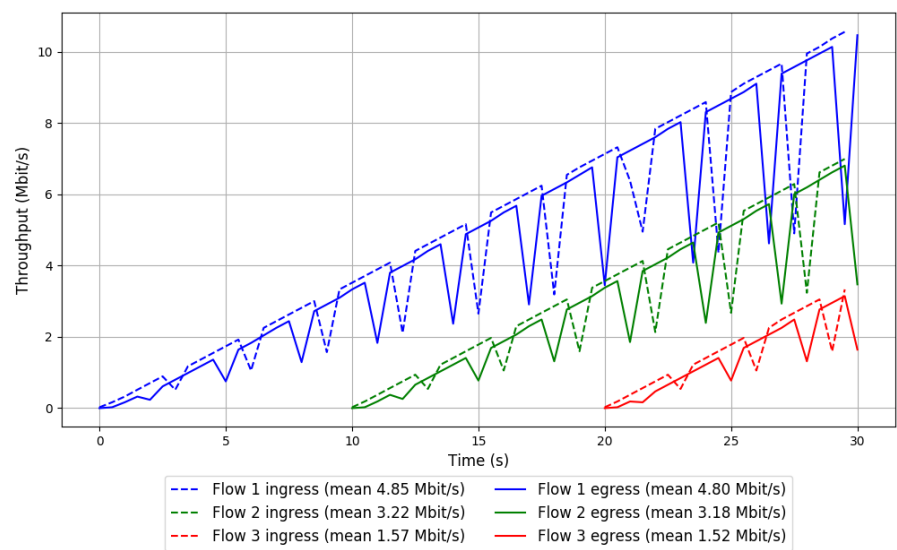


Run 8: Statistics of LEDBAT

Start at: 2018-07-05 08:18:41
End at: 2018-07-05 08:19:11
Local clock offset: -0.114 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 137.348 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 137.337 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 137.488 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 5.51%

Run 8: Report of LEDBAT — Data Link

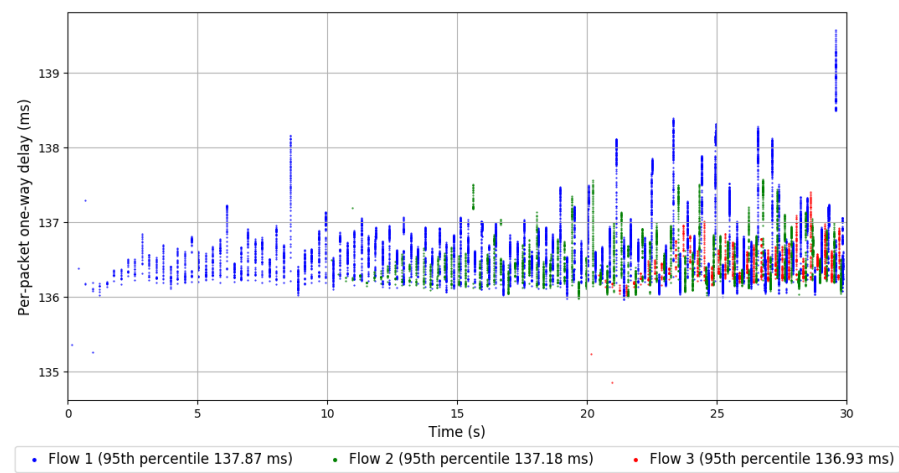
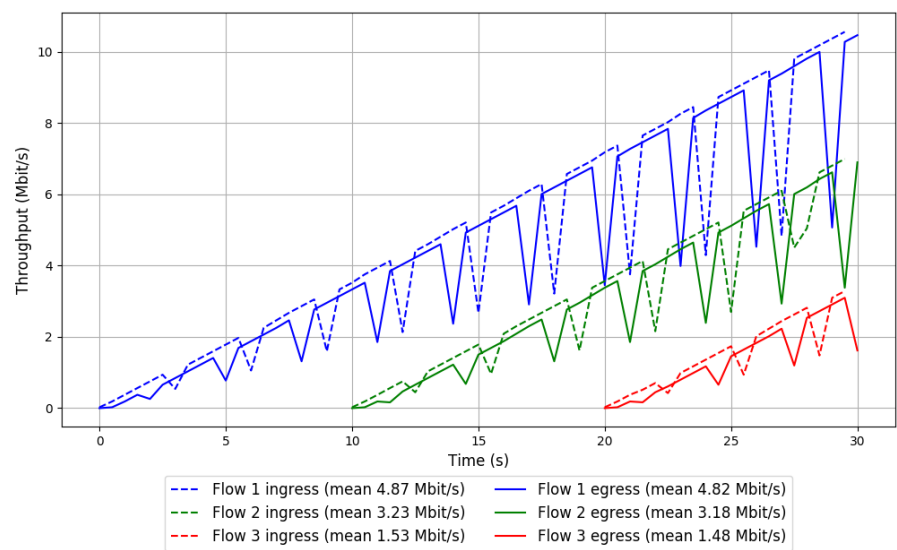


Run 9: Statistics of LEDBAT

Start at: 2018-07-05 08:45:38
End at: 2018-07-05 08:46:08
Local clock offset: -0.255 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 137.597 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.868 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 137.184 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 136.930 ms
Loss rate: 5.56%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-05 09:12:40

End at: 2018-07-05 09:13:10

Local clock offset: 0.159 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-07-05 11:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 136.841 ms

Loss rate: 2.33%

-- Flow 1:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 136.885 ms

Loss rate: 1.84%

-- Flow 2:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 136.647 ms

Loss rate: 3.37%

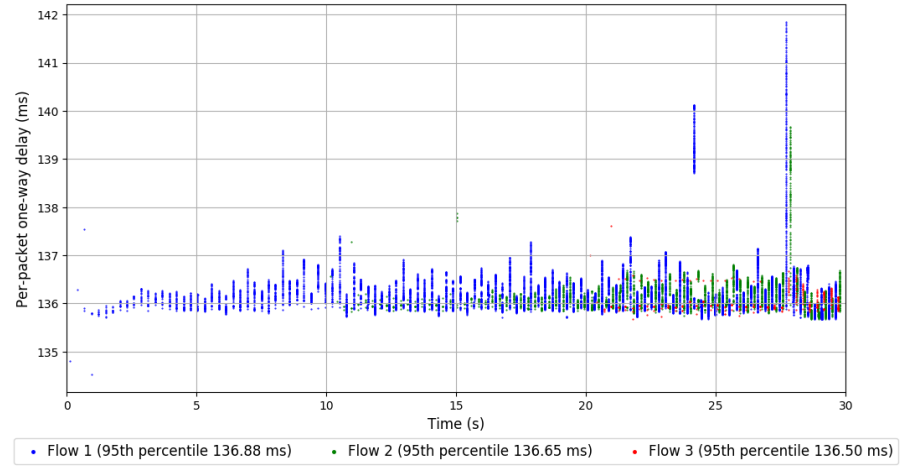
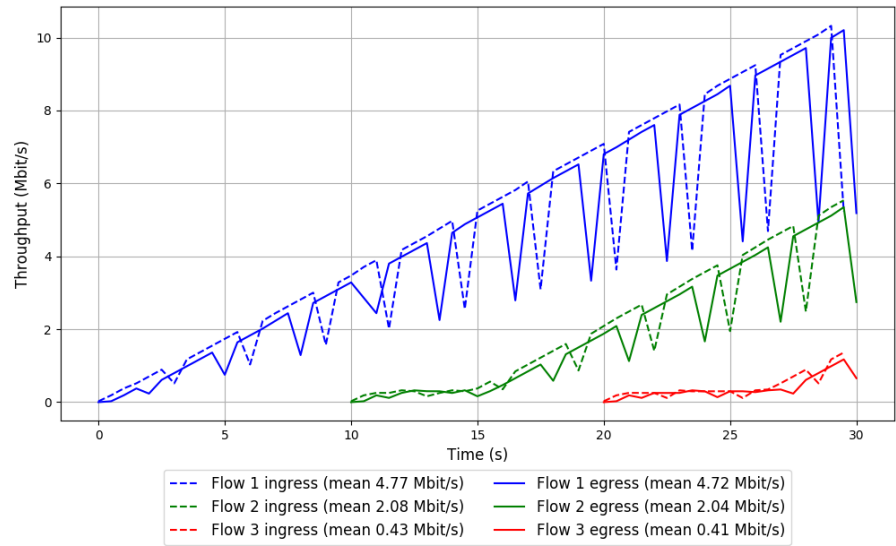
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 136.497 ms

Loss rate: 8.23%

Run 10: Report of LEDBAT — Data Link

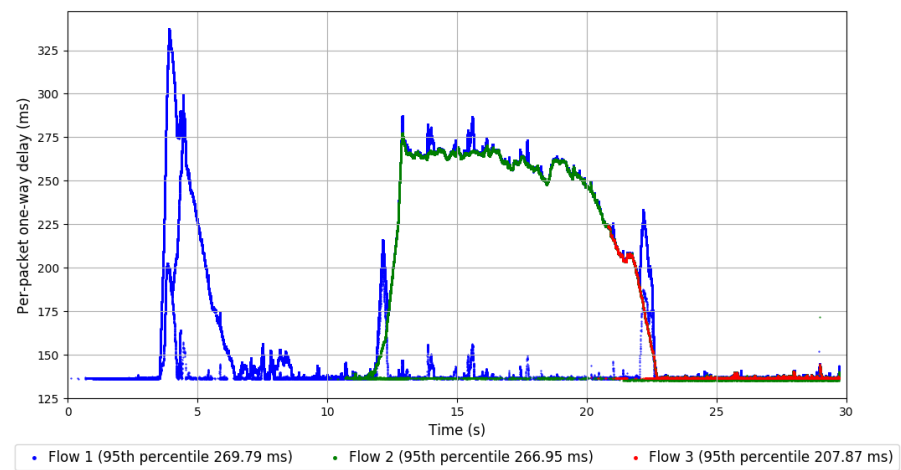
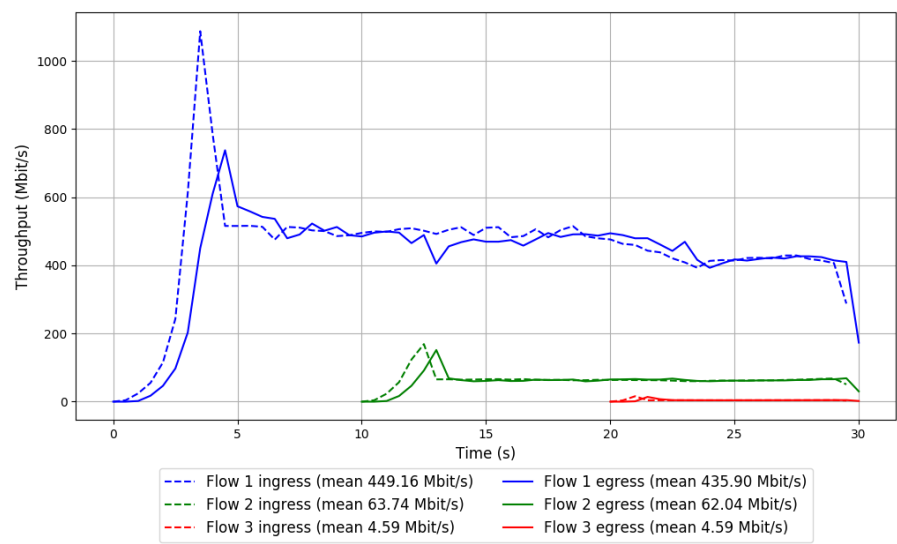


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-05 05:17:09
End at: 2018-07-05 05:17:39
Local clock offset: 0.149 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-07-05 11:24:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.41 Mbit/s
95th percentile per-packet one-way delay: 269.019 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 435.90 Mbit/s
95th percentile per-packet one-way delay: 269.793 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 266.950 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 207.870 ms
Loss rate: 2.76%
```

Run 1: Report of PCC-Allegro — Data Link

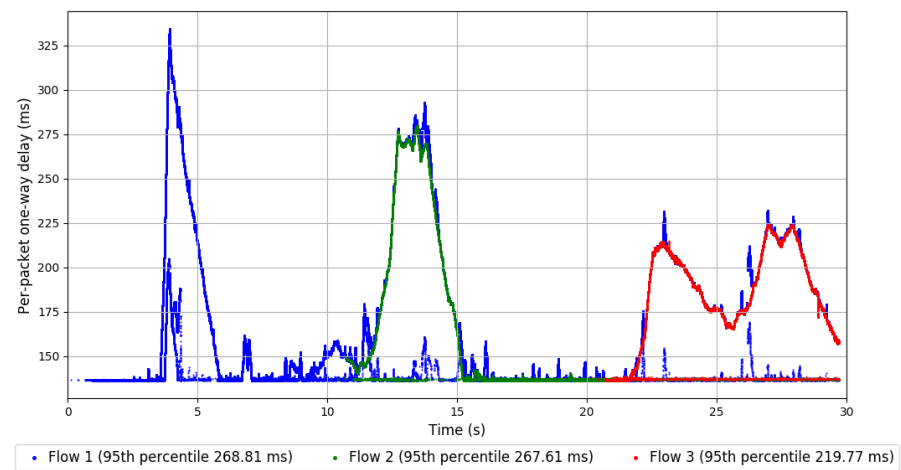
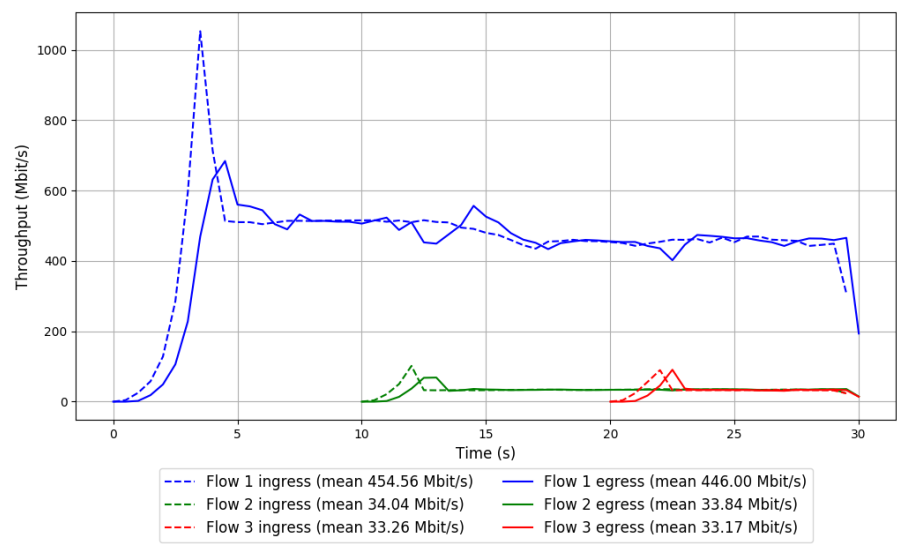


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-05 05:44:10
End at: 2018-07-05 05:44:40
Local clock offset: -0.077 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.11 Mbit/s
95th percentile per-packet one-way delay: 268.490 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 446.00 Mbit/s
95th percentile per-packet one-way delay: 268.806 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 267.612 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 219.772 ms
Loss rate: 3.05%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-05 06:11:27

End at: 2018-07-05 06:11:57

Local clock offset: -0.155 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-05 11:24:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 494.36 Mbit/s

95th percentile per-packet one-way delay: 270.100 ms

Loss rate: 5.11%

-- Flow 1:

Average throughput: 451.81 Mbit/s

95th percentile per-packet one-way delay: 270.159 ms

Loss rate: 5.08%

-- Flow 2:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 269.659 ms

Loss rate: 5.39%

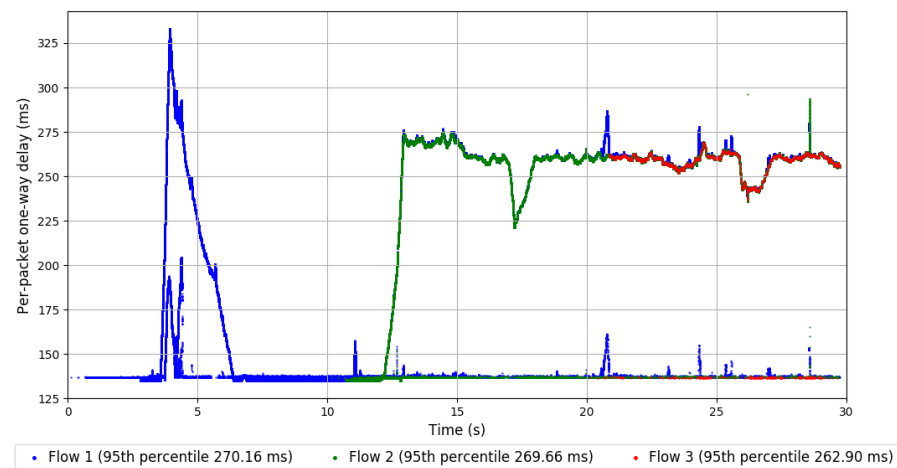
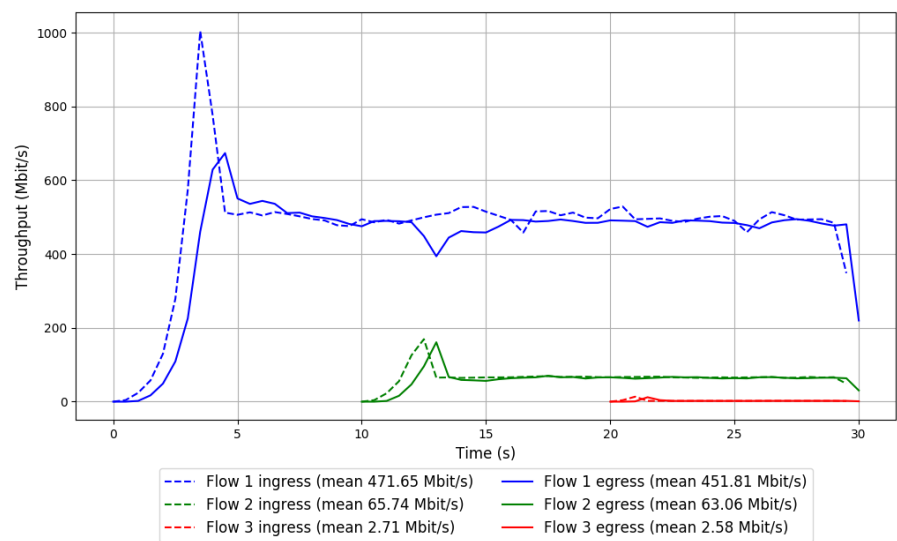
-- Flow 3:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 262.905 ms

Loss rate: 7.54%

Run 3: Report of PCC-Allegro — Data Link

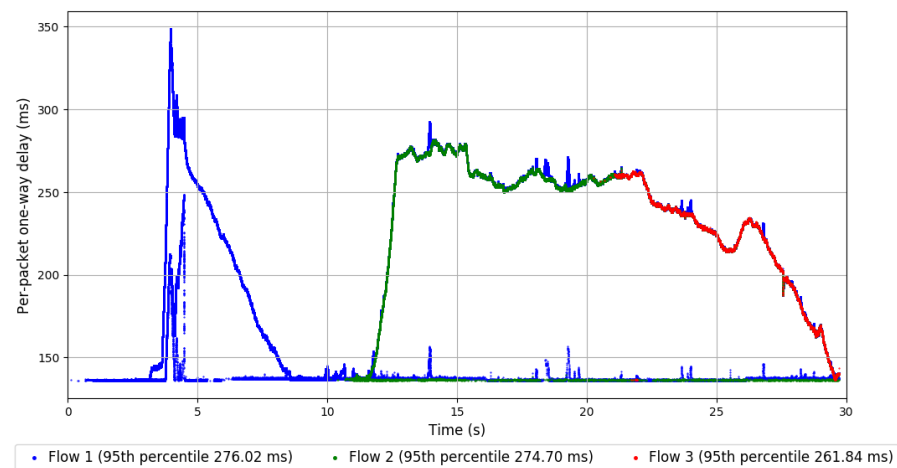
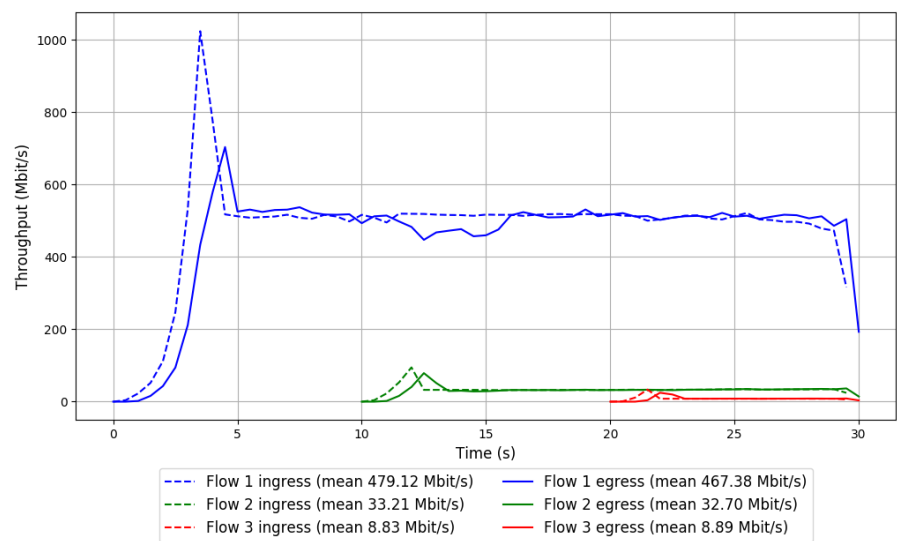


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-05 06:38:34
End at: 2018-07-05 06:39:04
Local clock offset: -0.103 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-07-05 11:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 491.78 Mbit/s
95th percentile per-packet one-way delay: 275.945 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 467.38 Mbit/s
95th percentile per-packet one-way delay: 276.023 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 274.705 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 261.839 ms
Loss rate: 3.35%

Run 4: Report of PCC-Allegro — Data Link

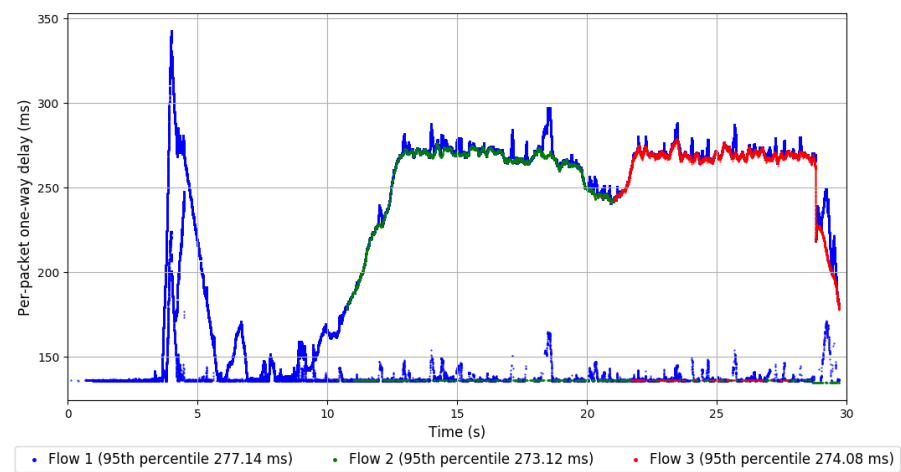
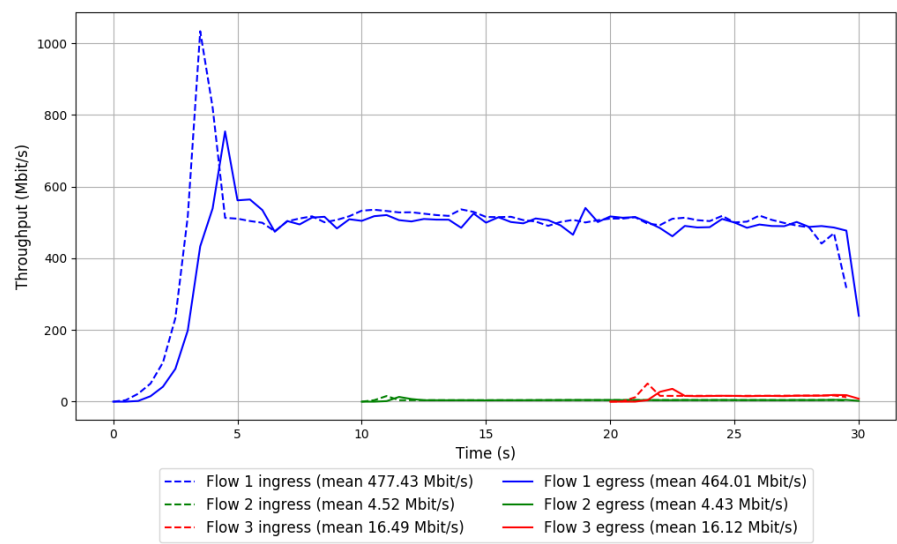


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-05 07:05:41
End at: 2018-07-05 07:06:11
Local clock offset: -0.093 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-05 11:28:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.09 Mbit/s
95th percentile per-packet one-way delay: 277.069 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 464.01 Mbit/s
95th percentile per-packet one-way delay: 277.145 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 273.115 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 274.085 ms
Loss rate: 6.02%

Run 5: Report of PCC-Allegro — Data Link

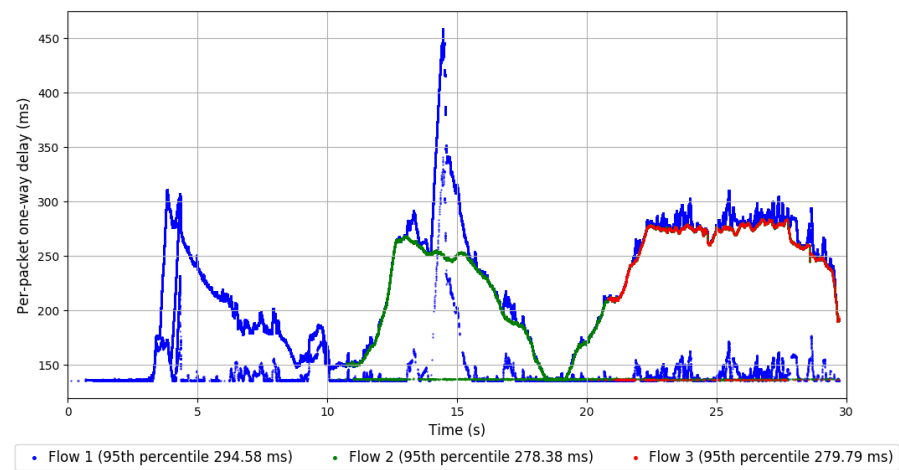
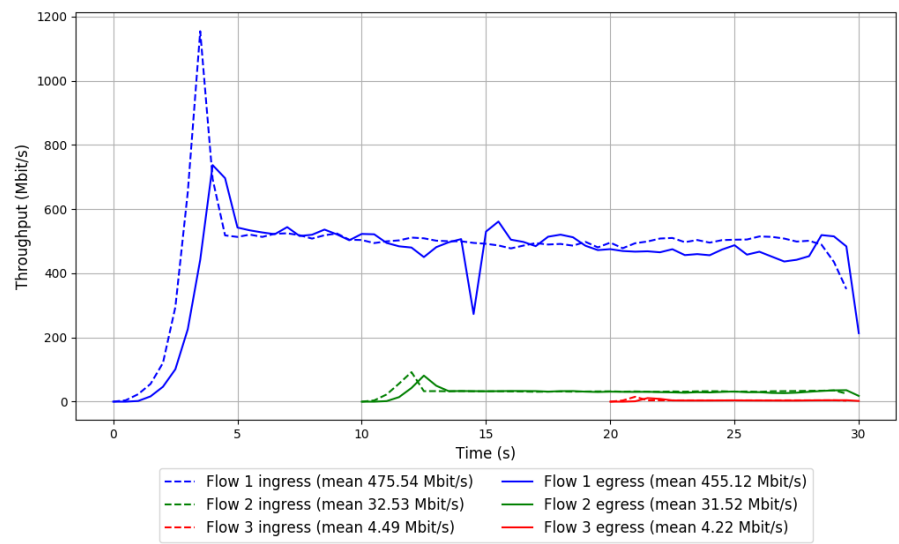


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-05 07:32:38
End at: 2018-07-05 07:33:08
Local clock offset: -0.03 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-07-05 11:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.29 Mbit/s
95th percentile per-packet one-way delay: 293.580 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 455.12 Mbit/s
95th percentile per-packet one-way delay: 294.576 ms
Loss rate: 5.17%
-- Flow 2:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 278.384 ms
Loss rate: 4.45%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 279.788 ms
Loss rate: 8.60%

Run 6: Report of PCC-Allegro — Data Link

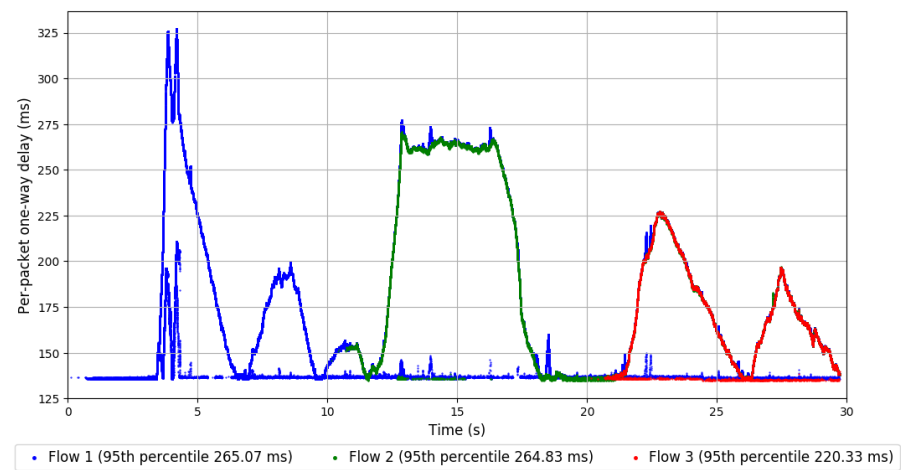
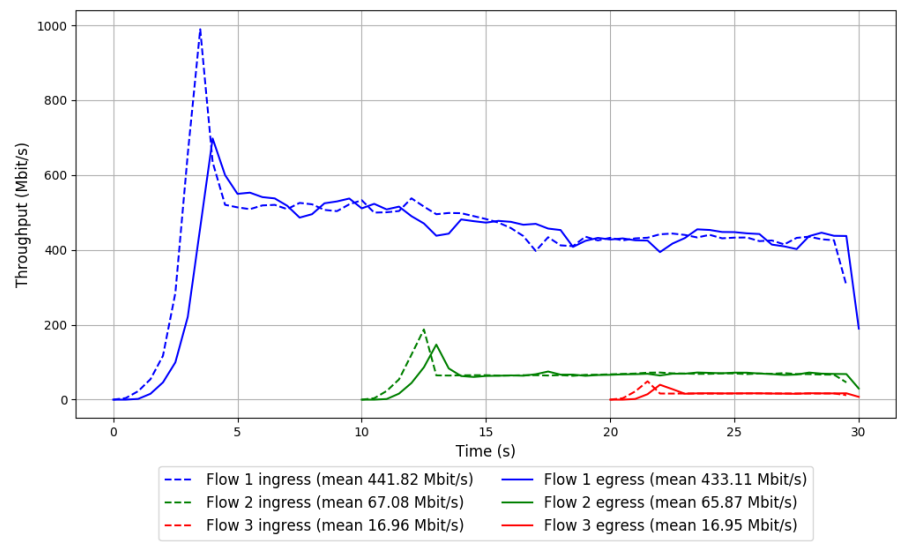


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-05 07:59:36
End at: 2018-07-05 08:00:06
Local clock offset: -0.256 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-05 11:29:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 482.15 Mbit/s
95th percentile per-packet one-way delay: 265.023 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 433.11 Mbit/s
95th percentile per-packet one-way delay: 265.070 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 264.827 ms
Loss rate: 3.21%
-- Flow 3:
Average throughput: 16.95 Mbit/s
95th percentile per-packet one-way delay: 220.334 ms
Loss rate: 2.79%

Run 7: Report of PCC-Allegro — Data Link

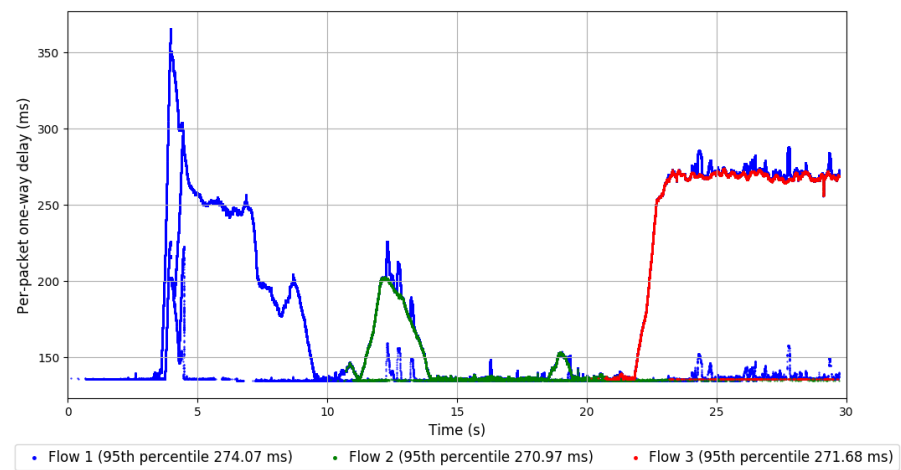
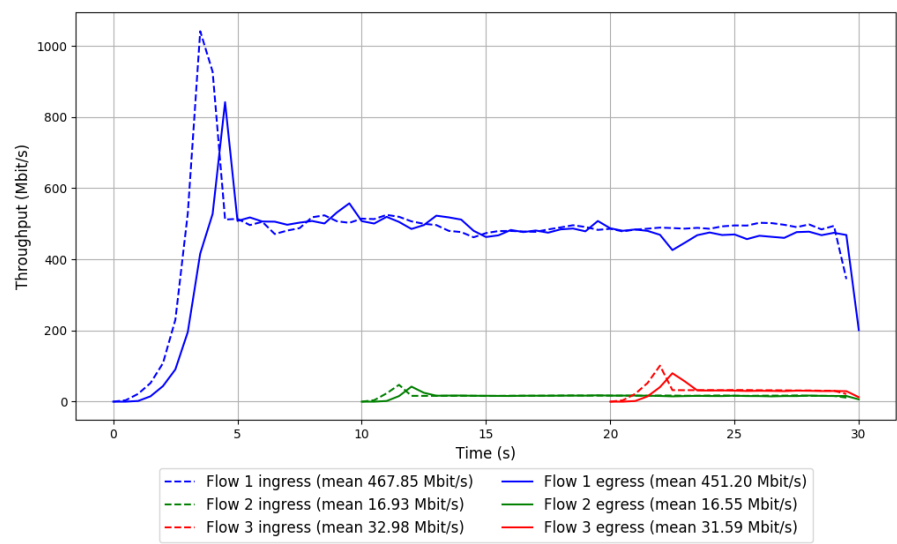


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-05 08:26:34
End at: 2018-07-05 08:27:04
Local clock offset: -0.299 ms
Remote clock offset: -0.055 ms

```
# Below is generated by plot.py at 2018-07-05 11:30:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 472.36 Mbit/s
95th percentile per-packet one-way delay: 273.643 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 451.20 Mbit/s
95th percentile per-packet one-way delay: 274.074 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 16.55 Mbit/s
95th percentile per-packet one-way delay: 270.969 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 271.676 ms
Loss rate: 6.89%
```

Run 8: Report of PCC-Allegro — Data Link

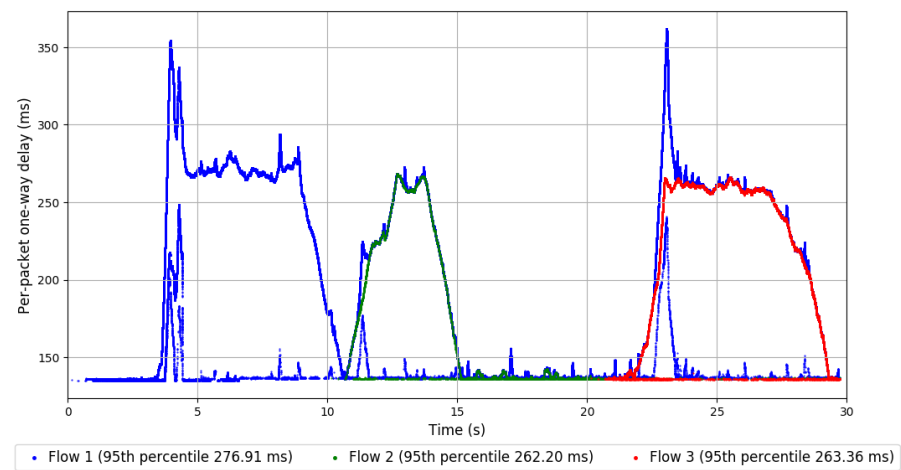
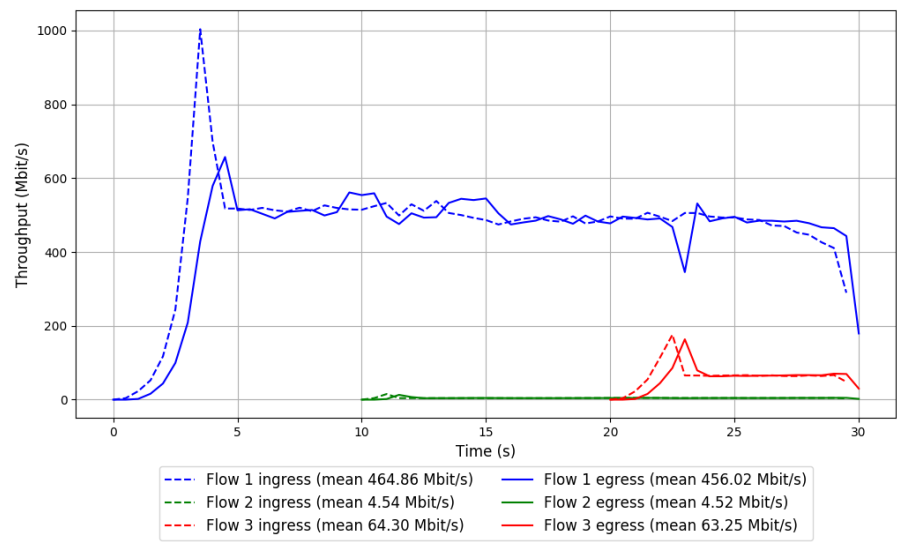


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-05 08:53:24
End at: 2018-07-05 08:53:54
Local clock offset: 0.026 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-05 11:31:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.45 Mbit/s
95th percentile per-packet one-way delay: 276.585 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 456.02 Mbit/s
95th percentile per-packet one-way delay: 276.912 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 262.205 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 63.25 Mbit/s
95th percentile per-packet one-way delay: 263.356 ms
Loss rate: 4.37%

Run 9: Report of PCC-Allegro — Data Link

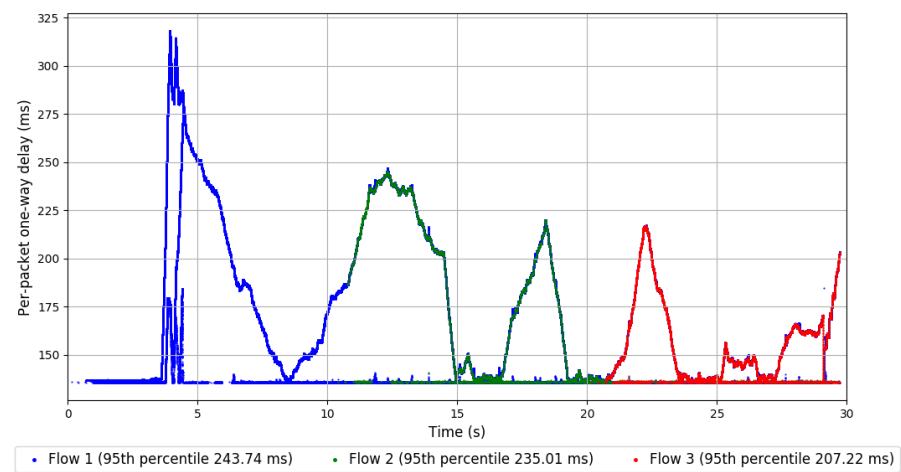
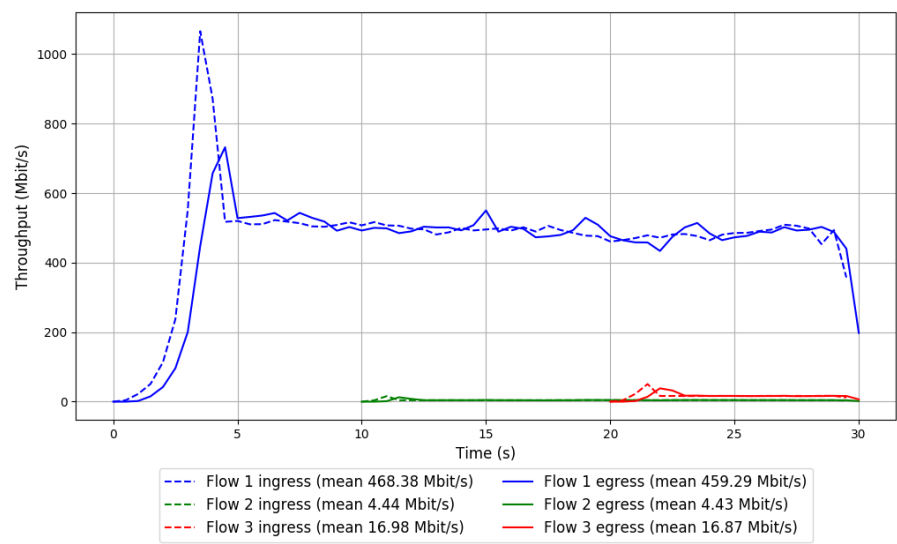


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-05 09:20:34
End at: 2018-07-05 09:21:04
Local clock offset: 0.262 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-05 11:31:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.67 Mbit/s
95th percentile per-packet one-way delay: 243.321 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 459.29 Mbit/s
95th percentile per-packet one-way delay: 243.740 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 235.015 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 207.219 ms
Loss rate: 3.39%

Run 10: Report of PCC-Allegro — Data Link

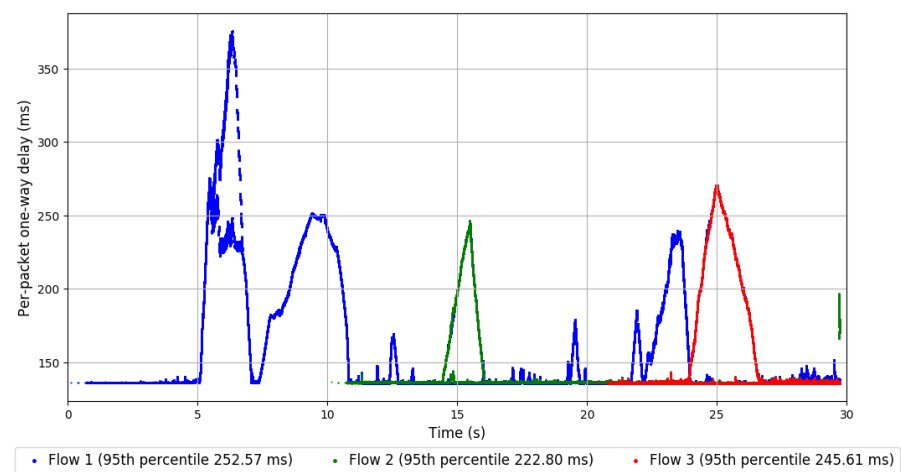
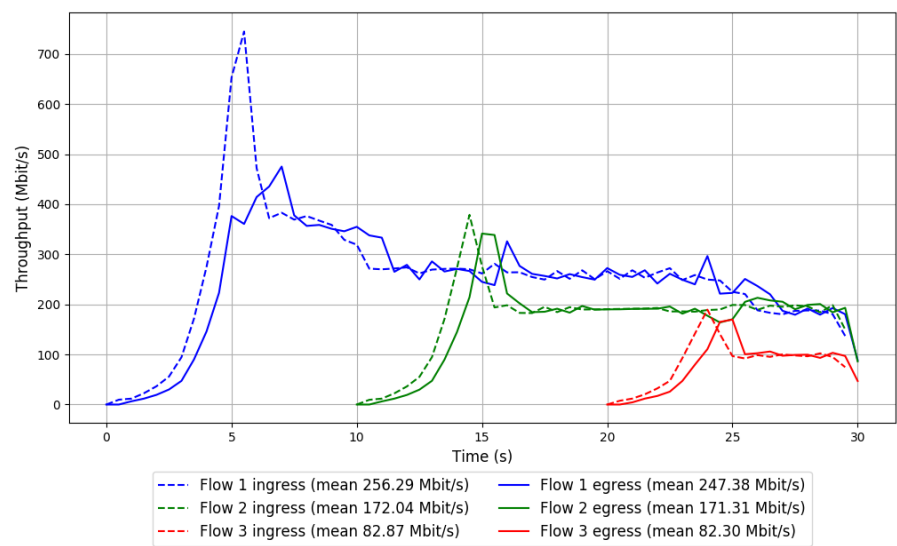


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-05 05:13:49
End at: 2018-07-05 05:14:19
Local clock offset: -0.088 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-07-05 11:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 387.41 Mbit/s
95th percentile per-packet one-way delay: 249.533 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 247.38 Mbit/s
95th percentile per-packet one-way delay: 252.575 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 171.31 Mbit/s
95th percentile per-packet one-way delay: 222.804 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 82.30 Mbit/s
95th percentile per-packet one-way delay: 245.614 ms
Loss rate: 3.45%
```


Run 1: Report of PCC-Expr — Data Link

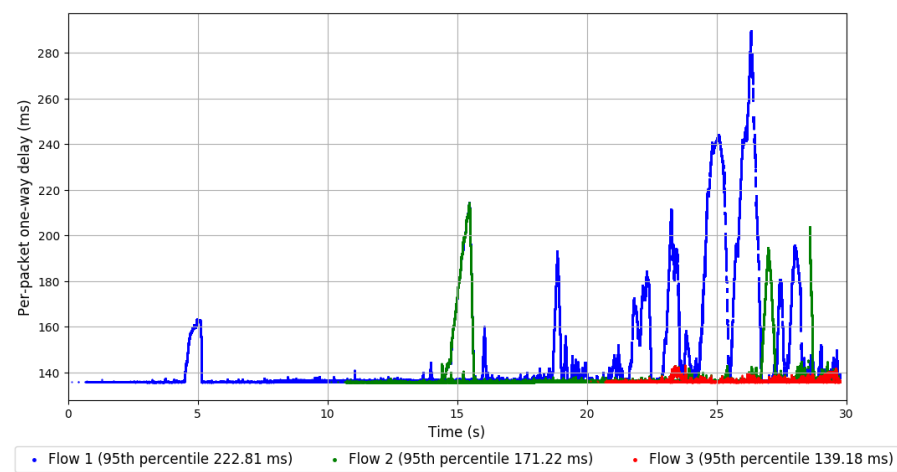
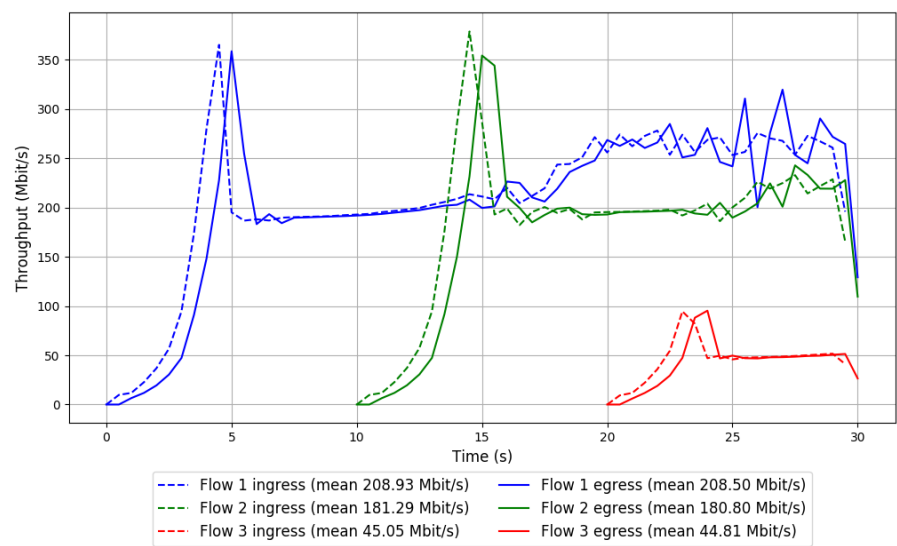


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-05 05:40:52
End at: 2018-07-05 05:41:22
Local clock offset: -0.072 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-07-05 11:36:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 342.70 Mbit/s
95th percentile per-packet one-way delay: 197.617 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 208.50 Mbit/s
95th percentile per-packet one-way delay: 222.810 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 180.80 Mbit/s
95th percentile per-packet one-way delay: 171.221 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 44.81 Mbit/s
95th percentile per-packet one-way delay: 139.179 ms
Loss rate: 3.27%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-05 06:08:13

End at: 2018-07-05 06:08:43

Local clock offset: 0.04 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-07-05 11:39:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.58 Mbit/s

95th percentile per-packet one-way delay: 144.037 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 185.90 Mbit/s

95th percentile per-packet one-way delay: 156.376 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 169.86 Mbit/s

95th percentile per-packet one-way delay: 141.518 ms

Loss rate: 1.54%

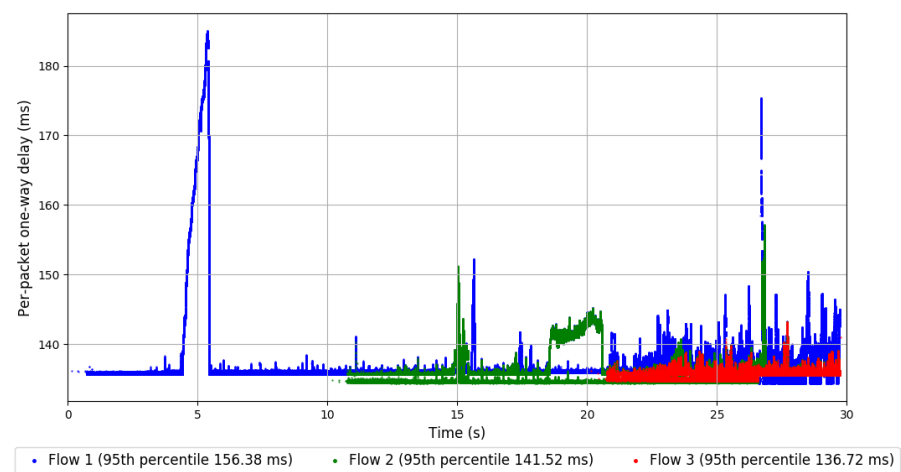
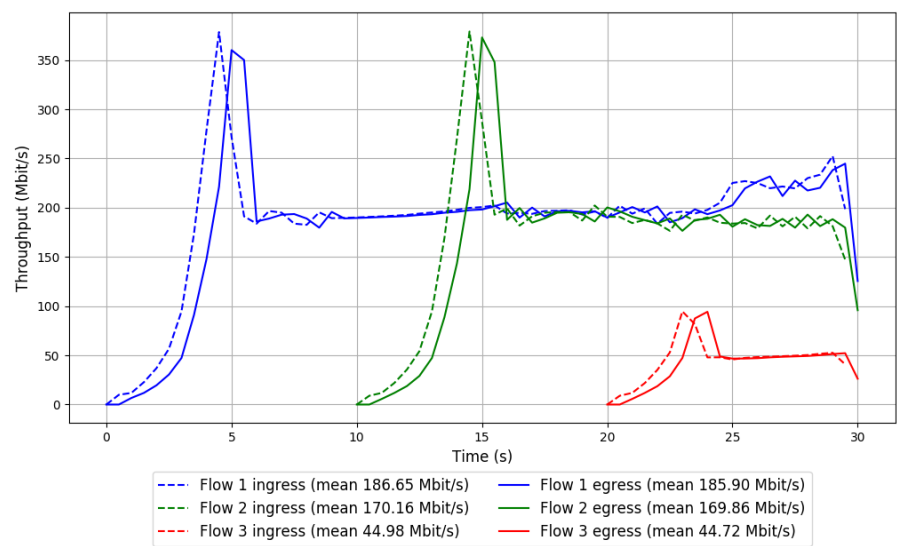
-- Flow 3:

Average throughput: 44.72 Mbit/s

95th percentile per-packet one-way delay: 136.721 ms

Loss rate: 3.27%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-05 06:35:21

End at: 2018-07-05 06:35:51

Local clock offset: -0.044 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2018-07-05 11:39:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.37 Mbit/s

95th percentile per-packet one-way delay: 238.853 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 183.06 Mbit/s

95th percentile per-packet one-way delay: 240.252 ms

Loss rate: 1.80%

-- Flow 2:

Average throughput: 169.45 Mbit/s

95th percentile per-packet one-way delay: 237.269 ms

Loss rate: 3.04%

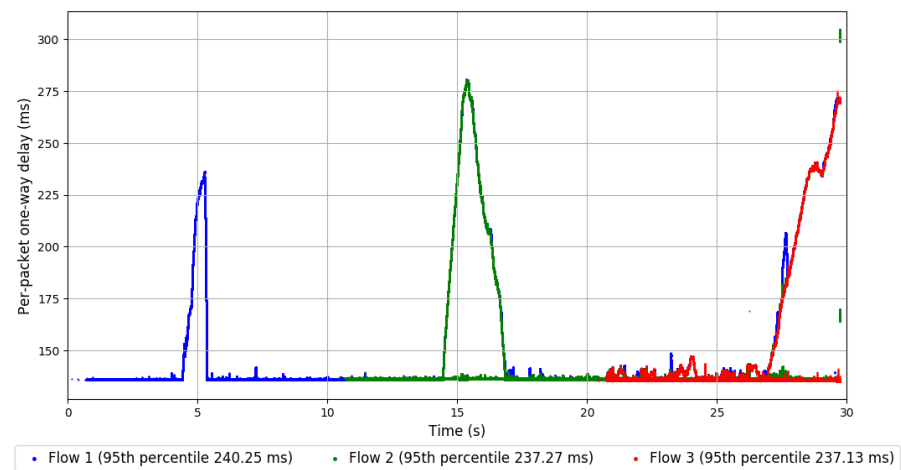
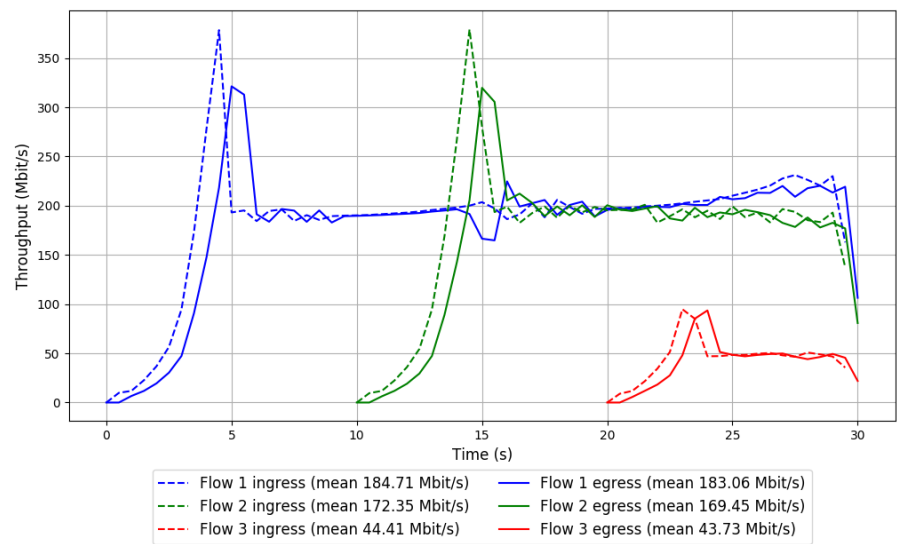
-- Flow 3:

Average throughput: 43.73 Mbit/s

95th percentile per-packet one-way delay: 237.130 ms

Loss rate: 4.26%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-05 07:02:21

End at: 2018-07-05 07:02:51

Local clock offset: -0.121 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-05 11:42:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.74 Mbit/s

95th percentile per-packet one-way delay: 324.378 ms

Loss rate: 7.61%

-- Flow 1:

Average throughput: 277.42 Mbit/s

95th percentile per-packet one-way delay: 328.849 ms

Loss rate: 9.04%

-- Flow 2:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 137.479 ms

Loss rate: 1.47%

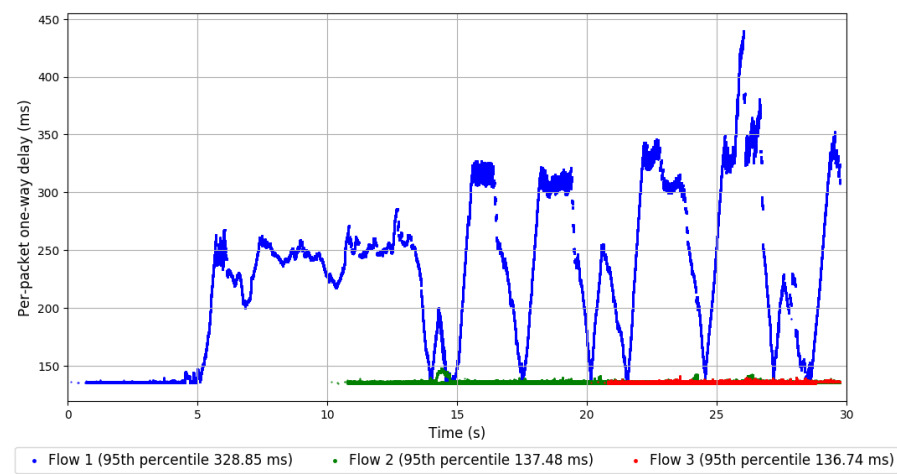
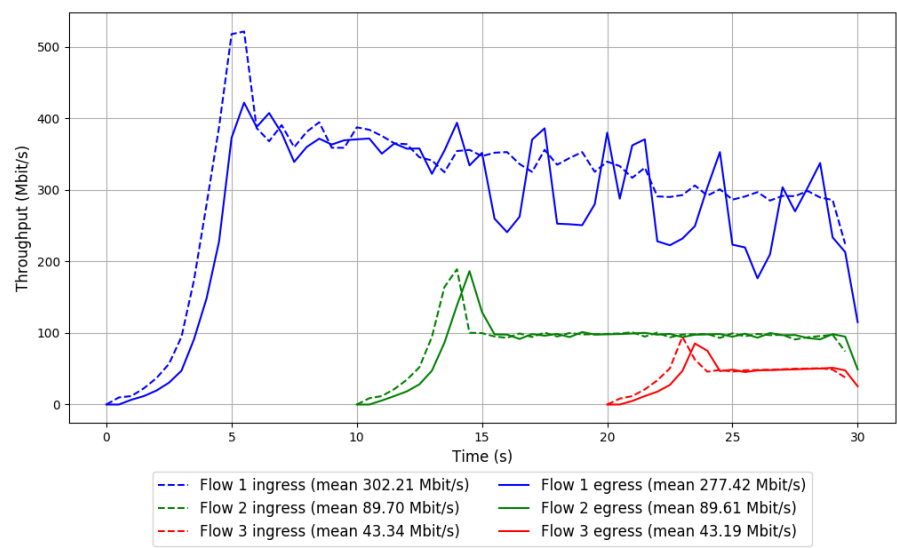
-- Flow 3:

Average throughput: 43.19 Mbit/s

95th percentile per-packet one-way delay: 136.742 ms

Loss rate: 3.10%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-05 07:29:22

End at: 2018-07-05 07:29:52

Local clock offset: -0.17 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-05 11:42:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.30 Mbit/s

95th percentile per-packet one-way delay: 174.831 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 179.30 Mbit/s

95th percentile per-packet one-way delay: 180.102 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 170.85 Mbit/s

95th percentile per-packet one-way delay: 165.184 ms

Loss rate: 1.40%

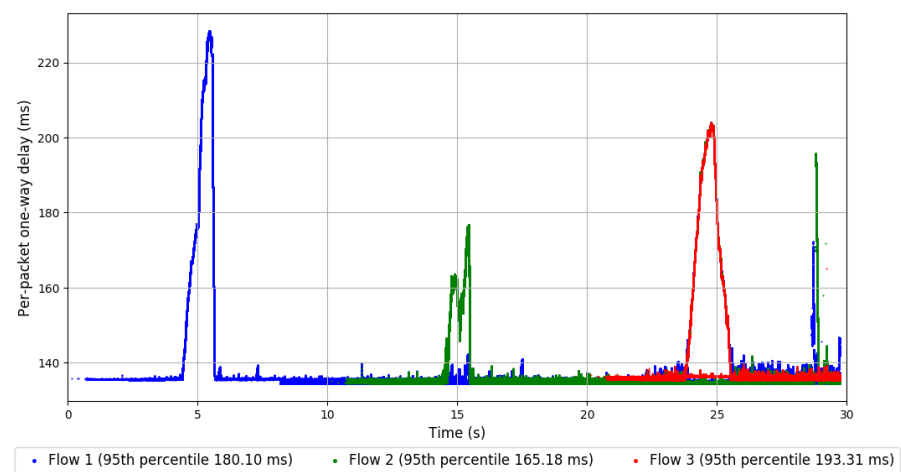
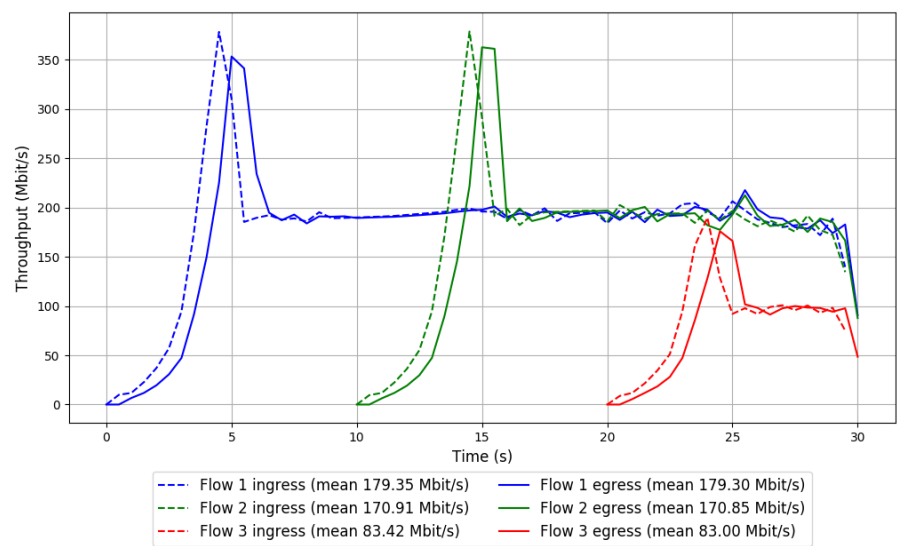
-- Flow 3:

Average throughput: 83.00 Mbit/s

95th percentile per-packet one-way delay: 193.308 ms

Loss rate: 3.26%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-05 07:56:20

End at: 2018-07-05 07:56:50

Local clock offset: 0.027 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-05 11:42:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.68 Mbit/s

95th percentile per-packet one-way delay: 149.370 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 183.45 Mbit/s

95th percentile per-packet one-way delay: 157.972 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 177.81 Mbit/s

95th percentile per-packet one-way delay: 151.619 ms

Loss rate: 1.65%

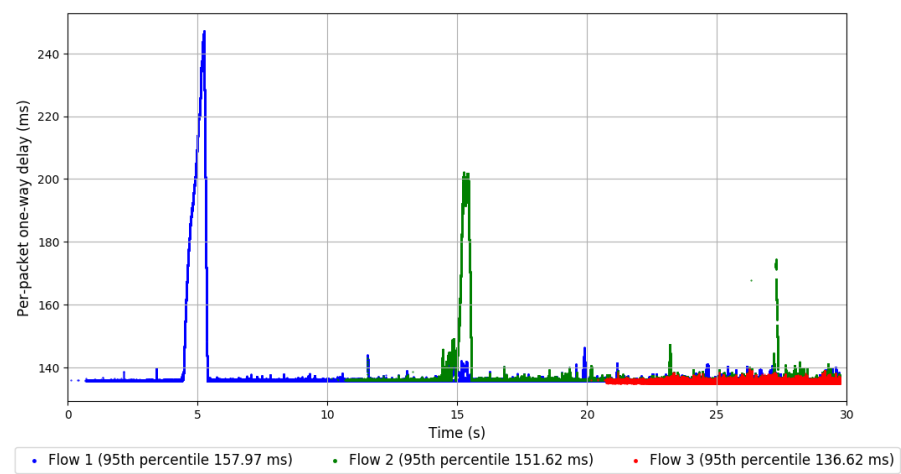
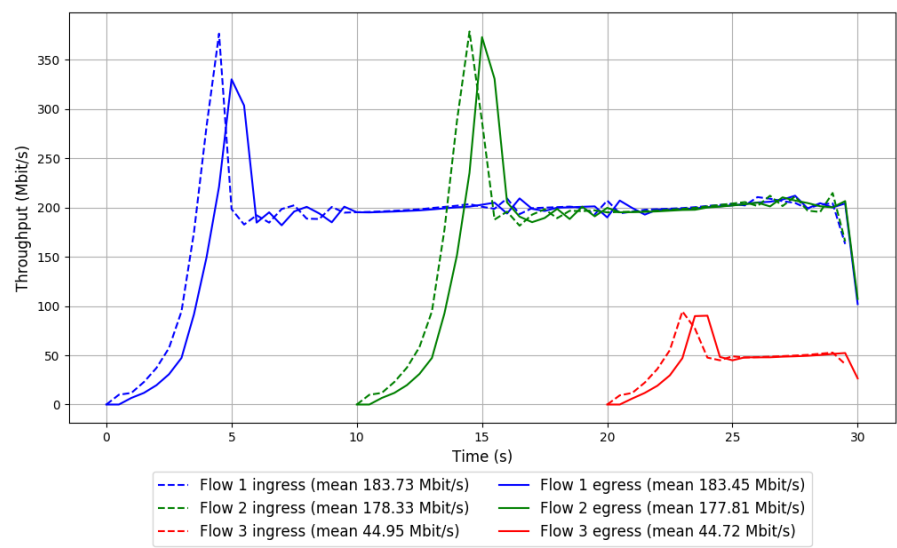
-- Flow 3:

Average throughput: 44.72 Mbit/s

95th percentile per-packet one-way delay: 136.618 ms

Loss rate: 3.27%

Run 7: Report of PCC-Expr — Data Link

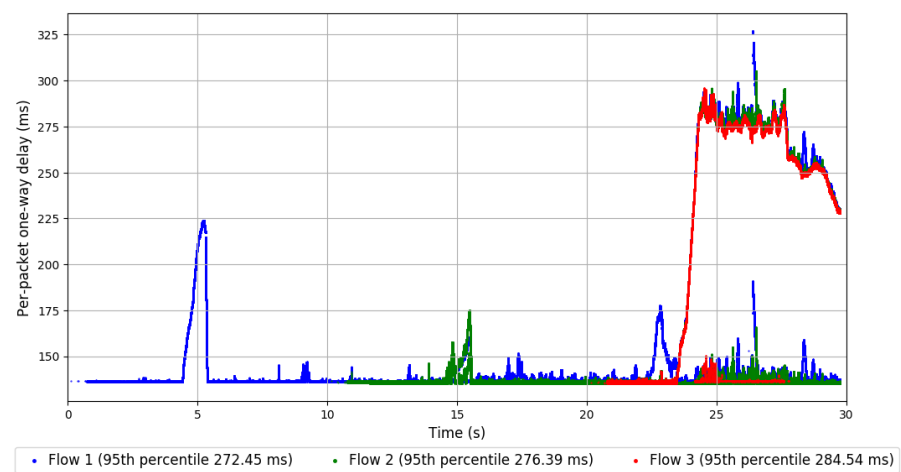
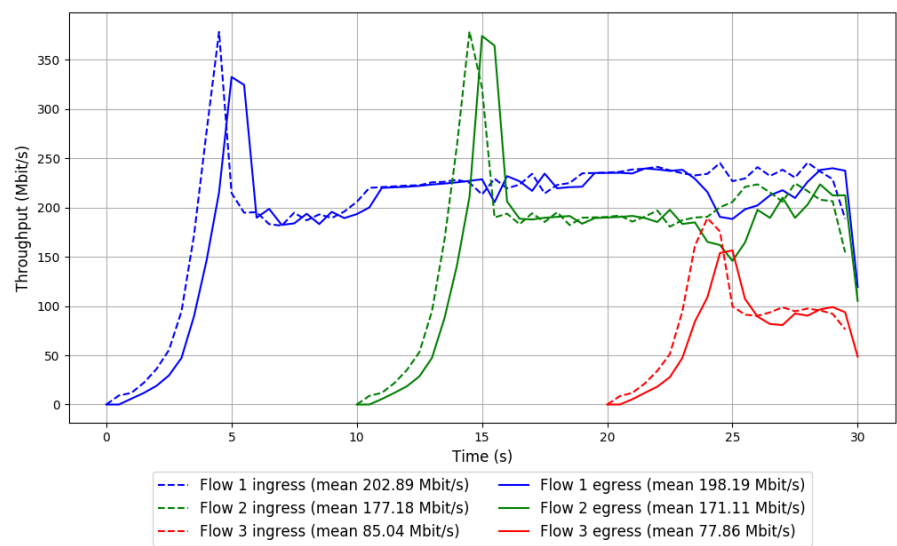


Run 8: Statistics of PCC-Expr

Start at: 2018-07-05 08:23:18
End at: 2018-07-05 08:23:48
Local clock offset: -0.052 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-07-05 11:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.68 Mbit/s
95th percentile per-packet one-way delay: 277.308 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 198.19 Mbit/s
95th percentile per-packet one-way delay: 272.453 ms
Loss rate: 3.21%
-- Flow 2:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 276.389 ms
Loss rate: 4.75%
-- Flow 3:
Average throughput: 77.86 Mbit/s
95th percentile per-packet one-way delay: 284.538 ms
Loss rate: 10.97%

Run 8: Report of PCC-Expr — Data Link

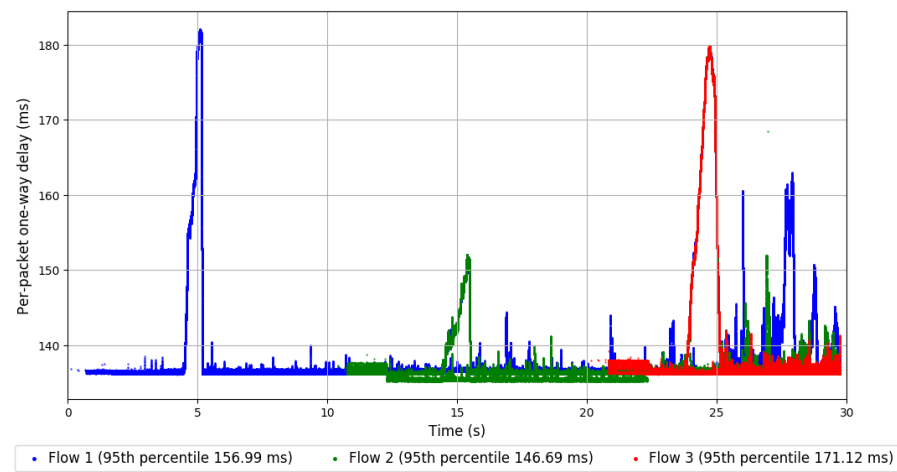
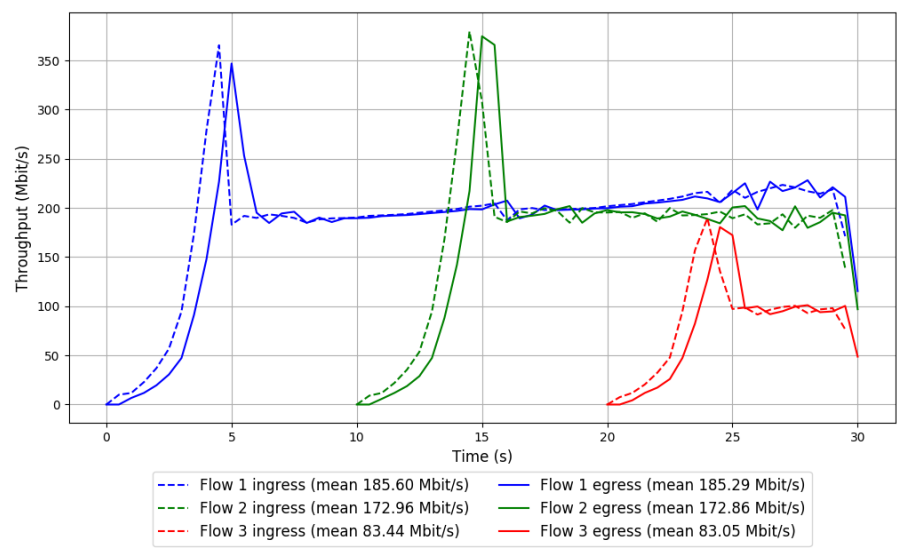


Run 9: Statistics of PCC-Expr

Start at: 2018-07-05 08:50:08
End at: 2018-07-05 08:50:38
Local clock offset: -0.025 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.59 Mbit/s
95th percentile per-packet one-way delay: 154.798 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 185.29 Mbit/s
95th percentile per-packet one-way delay: 156.991 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 172.86 Mbit/s
95th percentile per-packet one-way delay: 146.692 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 83.05 Mbit/s
95th percentile per-packet one-way delay: 171.119 ms
Loss rate: 3.23%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-05 09:17:20

End at: 2018-07-05 09:17:50

Local clock offset: 0.091 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-05 11:48:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.30 Mbit/s

95th percentile per-packet one-way delay: 182.921 ms

Loss rate: 1.85%

-- Flow 1:

Average throughput: 177.87 Mbit/s

95th percentile per-packet one-way delay: 162.558 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 166.41 Mbit/s

95th percentile per-packet one-way delay: 242.505 ms

Loss rate: 2.53%

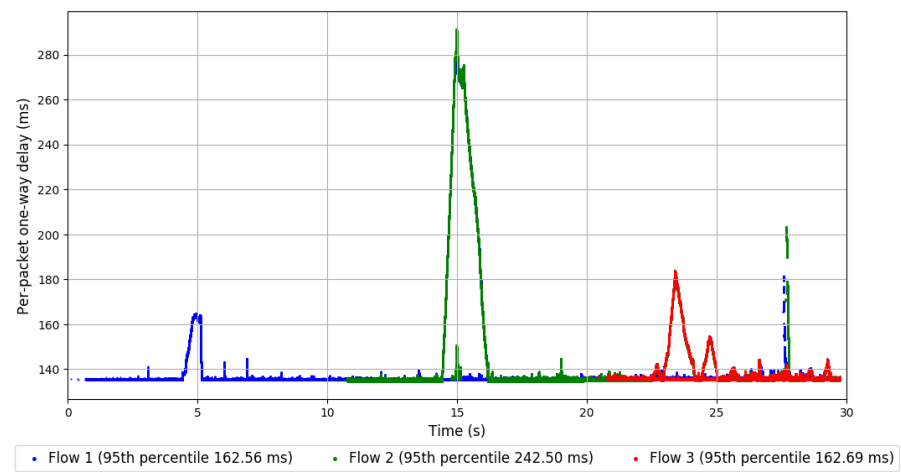
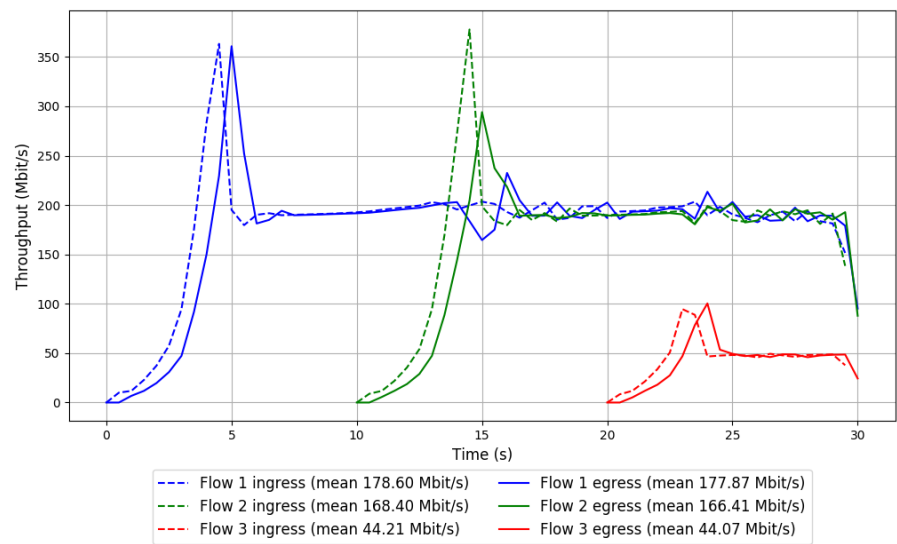
-- Flow 3:

Average throughput: 44.07 Mbit/s

95th percentile per-packet one-way delay: 162.687 ms

Loss rate: 3.08%

Run 10: Report of PCC-Expr — Data Link

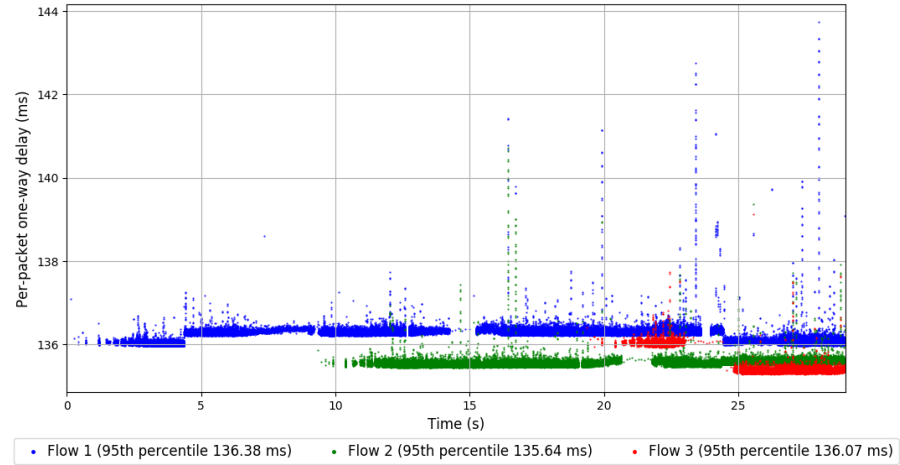
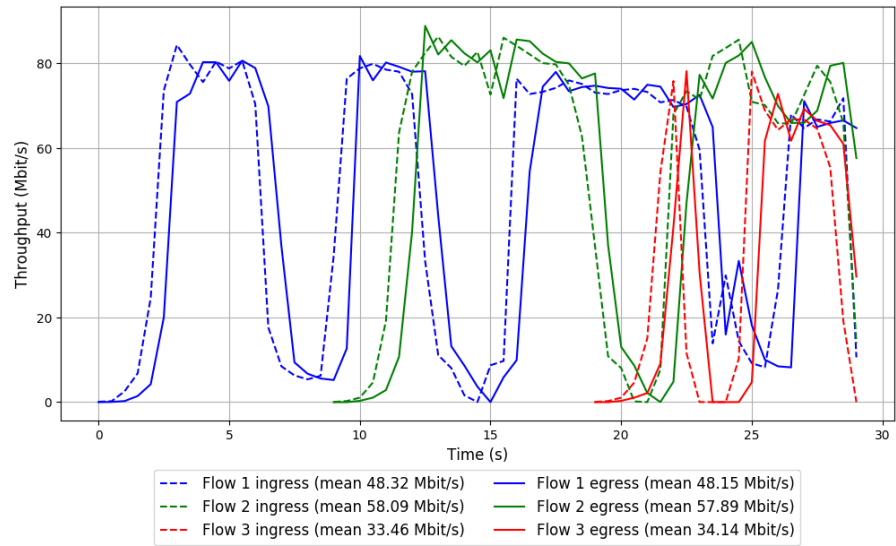


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-05 05:26:15
End at: 2018-07-05 05:26:45
Local clock offset: -0.227 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.93 Mbit/s
95th percentile per-packet one-way delay: 136.346 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 136.377 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 135.642 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 34.14 Mbit/s
95th percentile per-packet one-way delay: 136.067 ms
Loss rate: 0.21%

Run 1: Report of QUIC Cubic — Data Link

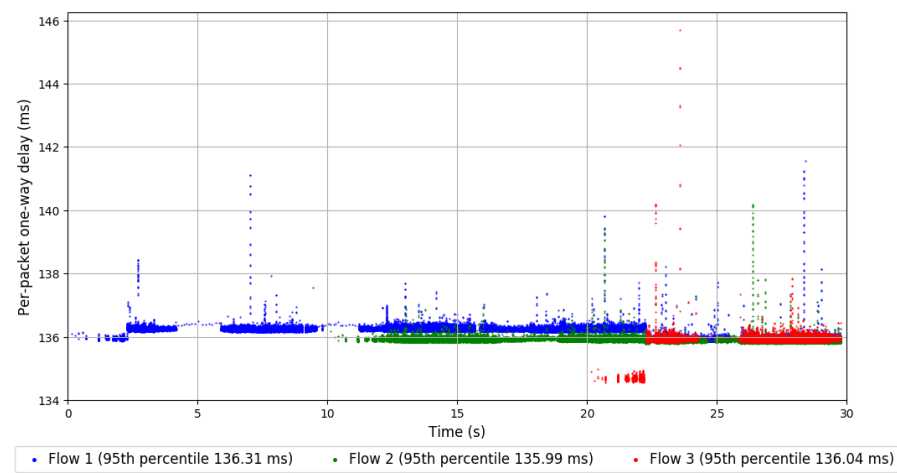
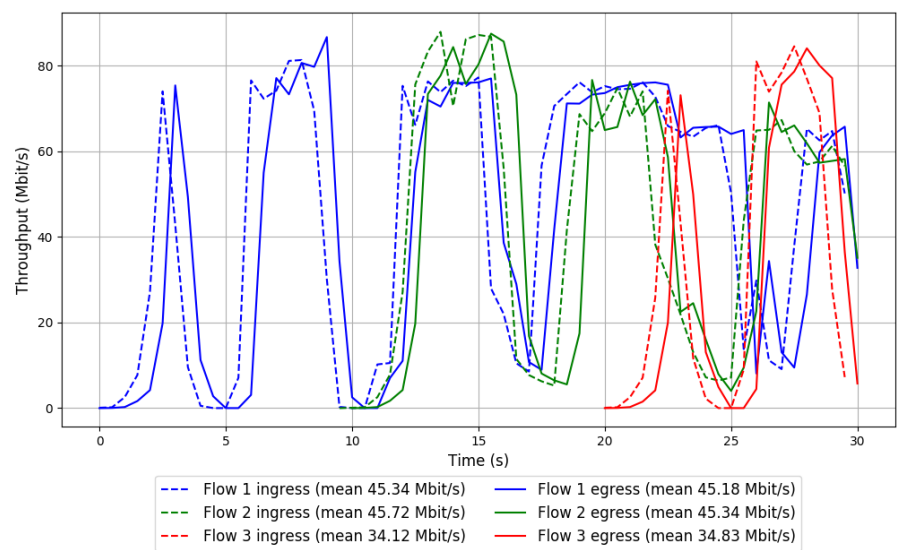


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-05 05:53:18
End at: 2018-07-05 05:53:48
Local clock offset: -0.08 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 136.289 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 45.18 Mbit/s
95th percentile per-packet one-way delay: 136.313 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 135.985 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 136.036 ms
Loss rate: 0.71%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-05 06:20:29

End at: 2018-07-05 06:20:59

Local clock offset: -0.203 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-05 11:48:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.12 Mbit/s

95th percentile per-packet one-way delay: 135.890 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 135.894 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 45.73 Mbit/s

95th percentile per-packet one-way delay: 135.867 ms

Loss rate: 1.88%

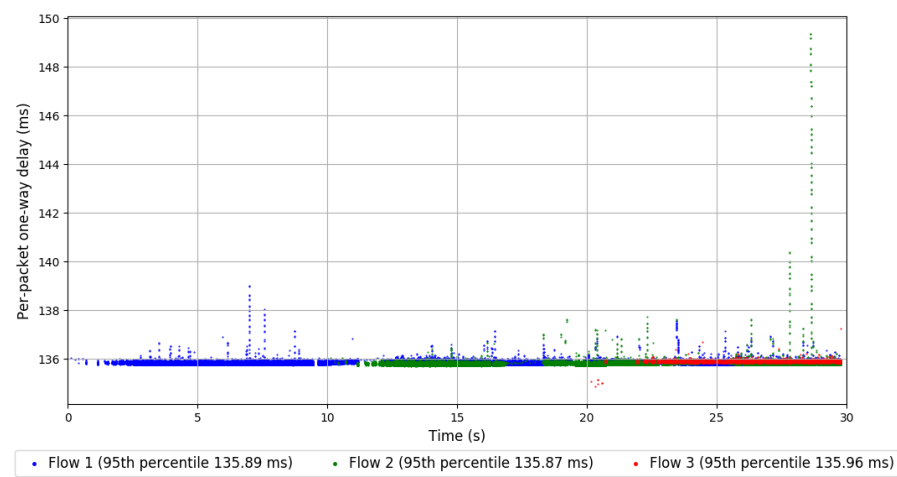
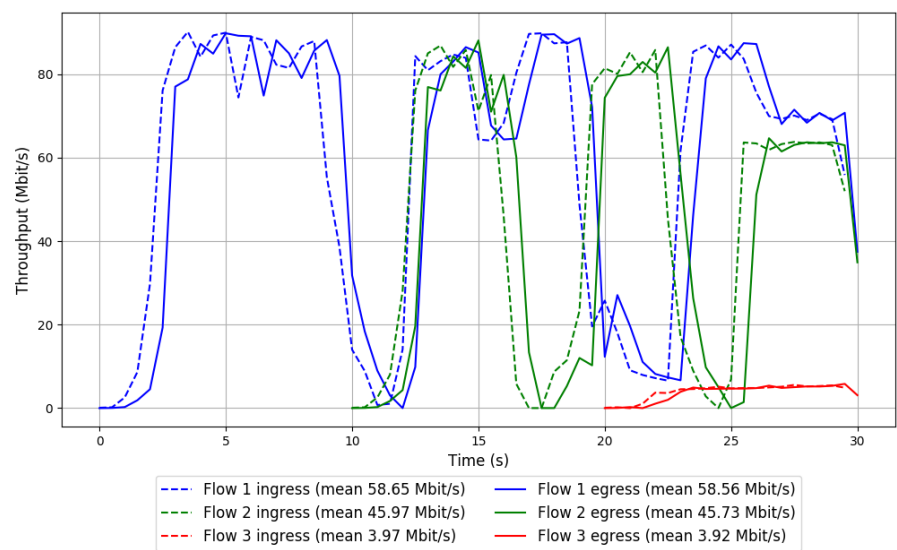
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 135.962 ms

Loss rate: 3.92%

Run 3: Report of QUIC Cubic — Data Link

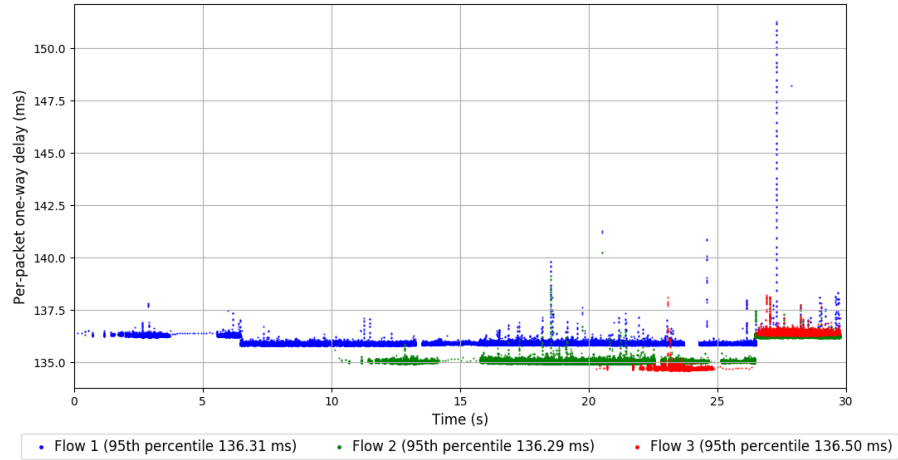
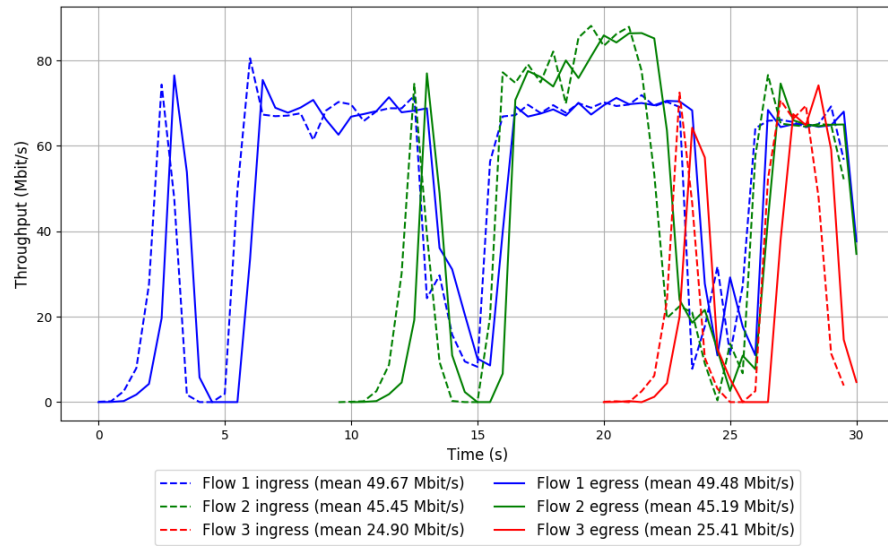


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-05 06:47:44
End at: 2018-07-05 06:48:14
Local clock offset: -0.061 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 136.365 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 136.312 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 45.19 Mbit/s
95th percentile per-packet one-way delay: 136.290 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 136.500 ms
Loss rate: 0.35%

Run 4: Report of QUIC Cubic — Data Link

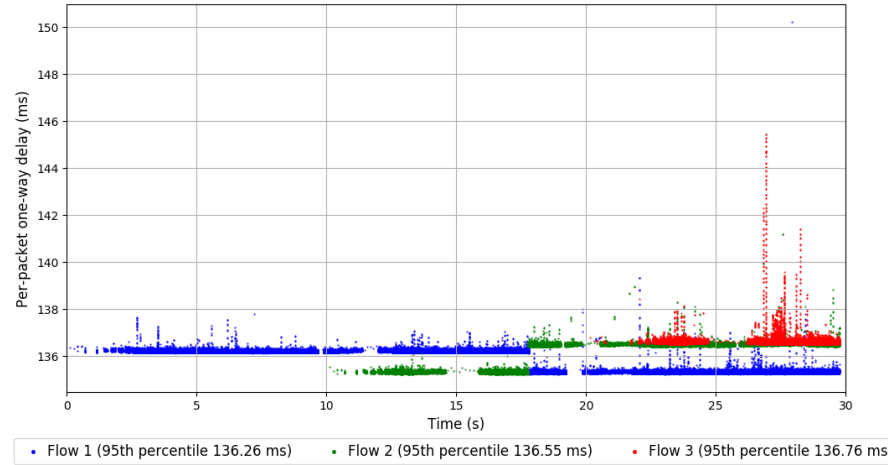
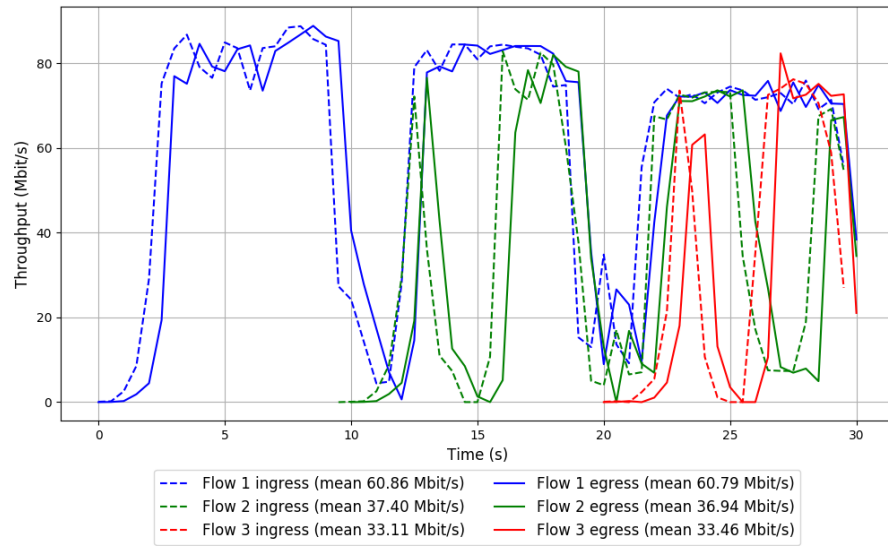


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-05 07:14:32
End at: 2018-07-05 07:15:02
Local clock offset: -0.086 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 136.258 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 136.760 ms
Loss rate: 1.72%

Run 5: Report of QUIC Cubic — Data Link

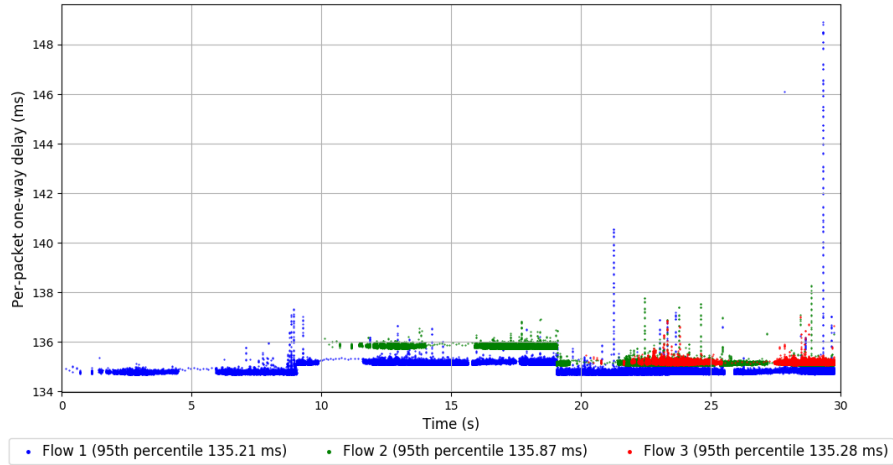
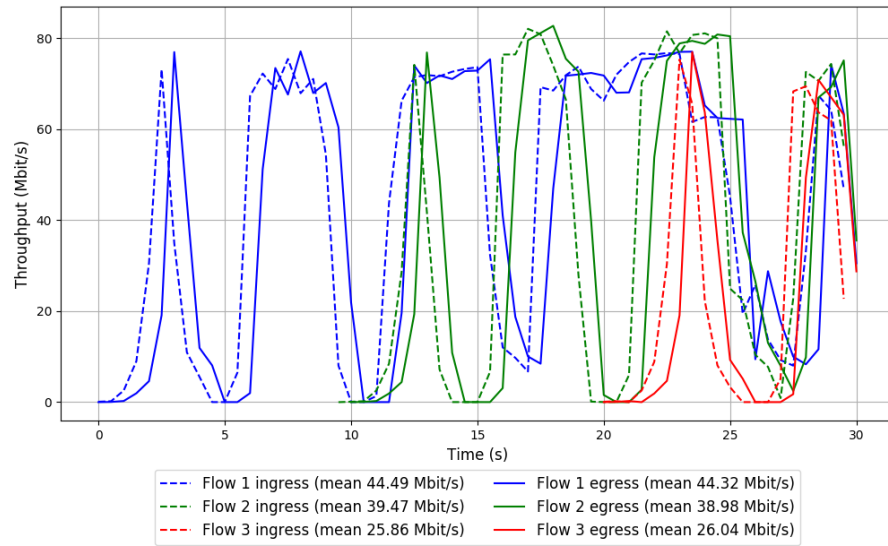


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-05 07:41:41
End at: 2018-07-05 07:42:11
Local clock offset: 0.038 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 135.827 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 135.214 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 135.869 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 135.283 ms
Loss rate: 2.05%

Run 6: Report of QUIC Cubic — Data Link

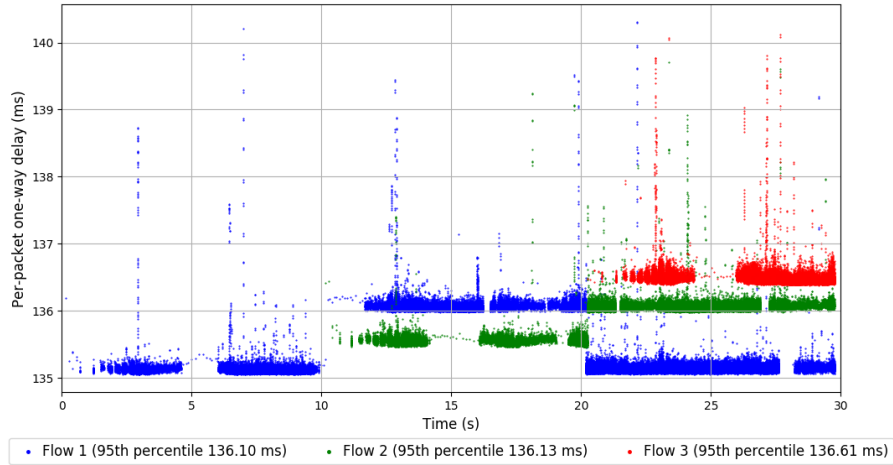
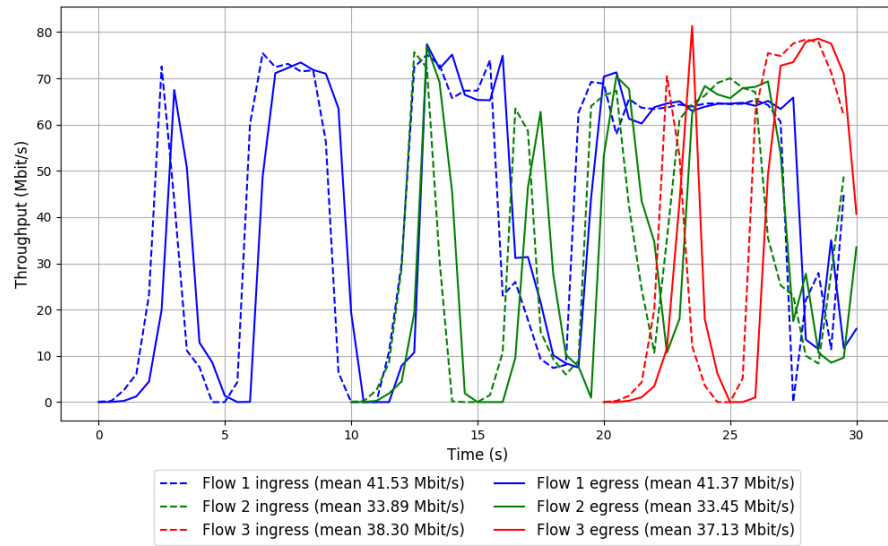


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-05 08:08:40
End at: 2018-07-05 08:09:10
Local clock offset: 0.054 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.46 Mbit/s
95th percentile per-packet one-way delay: 136.500 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 136.101 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 136.130 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 136.613 ms
Loss rate: 5.73%

Run 7: Report of QUIC Cubic — Data Link

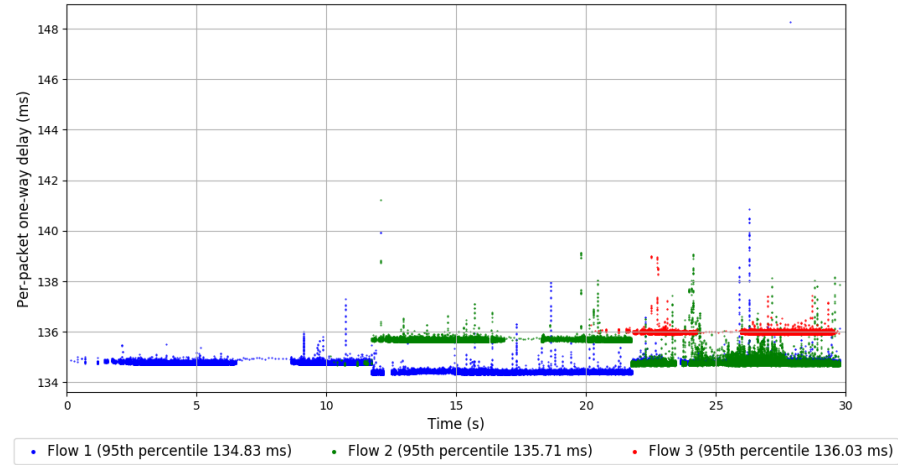
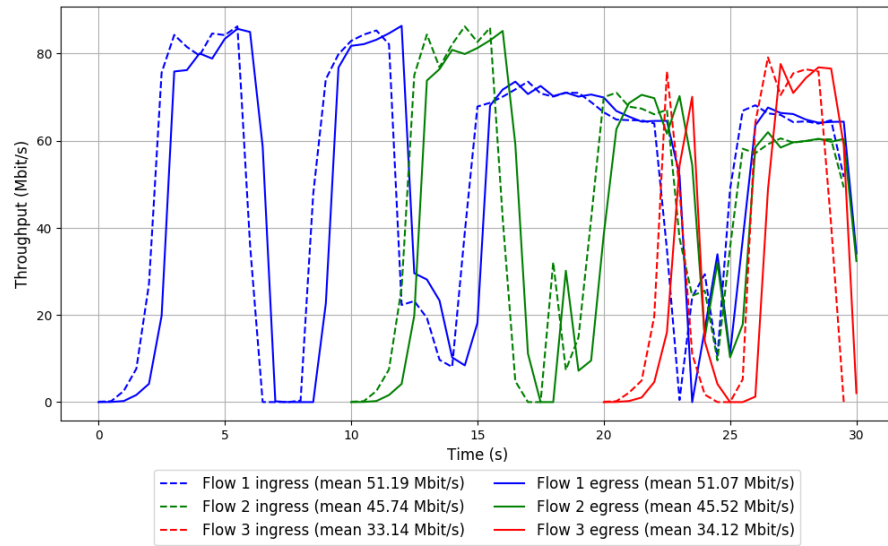


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-05 08:35:38
End at: 2018-07-05 08:36:08
Local clock offset: -0.342 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 135.961 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 51.07 Mbit/s
95th percentile per-packet one-way delay: 134.827 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 135.712 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 136.030 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

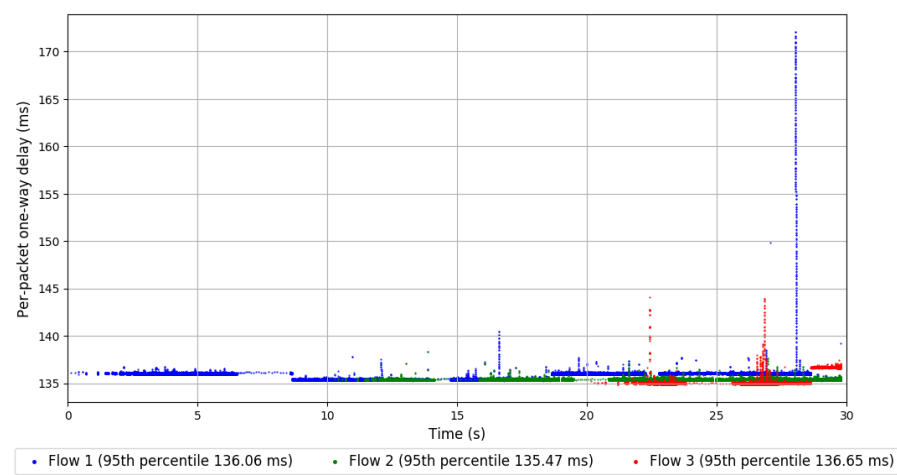
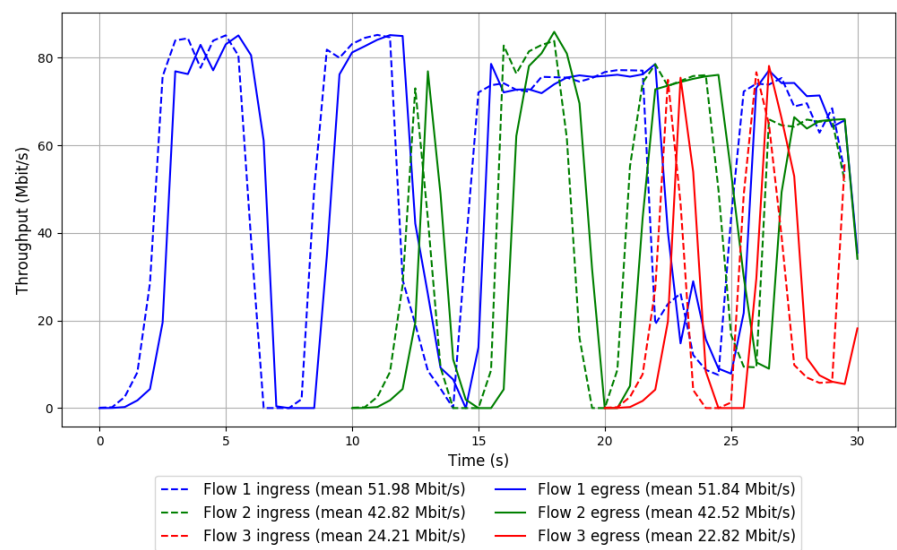


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-05 09:02:31
End at: 2018-07-05 09:03:02
Local clock offset: 0.053 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.42 Mbit/s
95th percentile per-packet one-way delay: 136.051 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 136.064 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 42.52 Mbit/s
95th percentile per-packet one-way delay: 135.474 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 136.648 ms
Loss rate: 8.32%

Run 9: Report of QUIC Cubic — Data Link

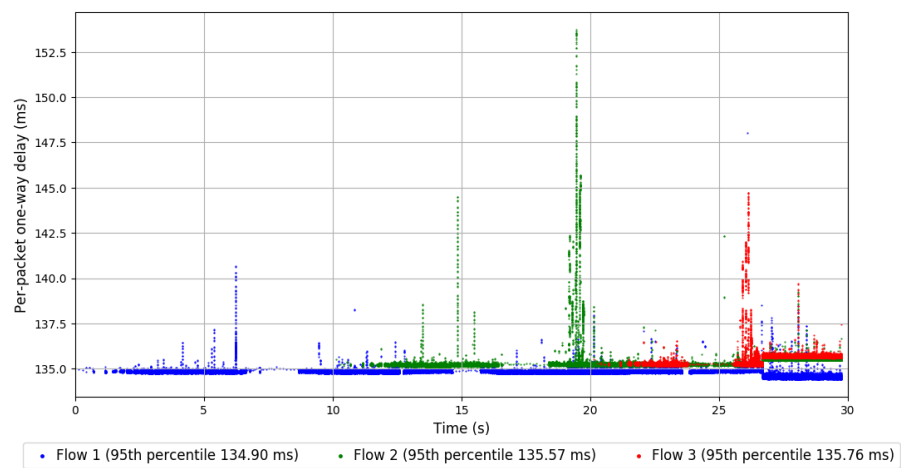
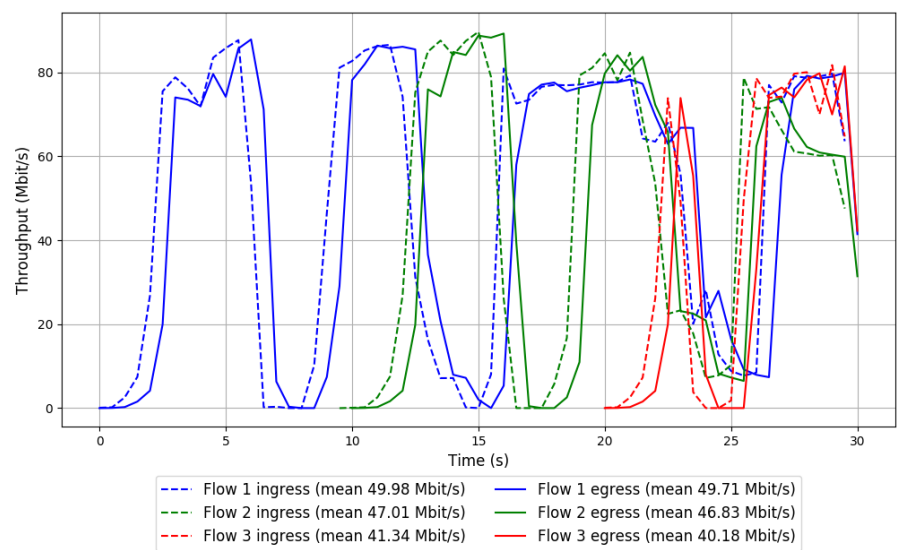


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-05 09:29:33
End at: 2018-07-05 09:30:03
Local clock offset: -0.147 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 135.670 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 134.898 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 135.574 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 135.765 ms
Loss rate: 5.44%

Run 10: Report of QUIC Cubic — Data Link

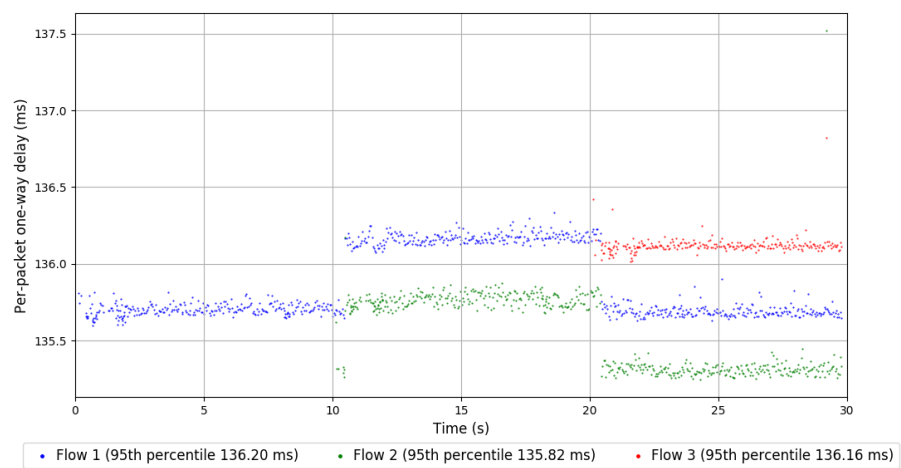
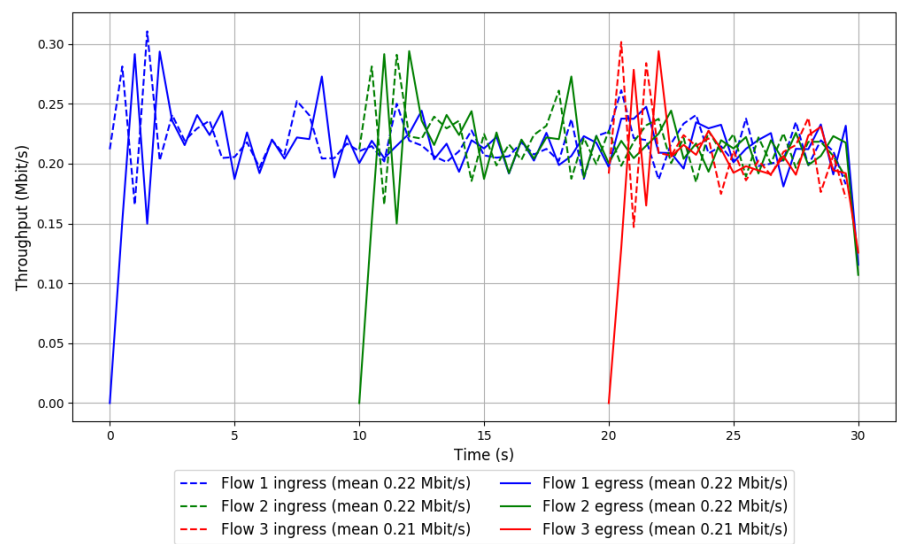


Run 1: Statistics of SReAM

Start at: 2018-07-05 05:25:00
End at: 2018-07-05 05:25:30
Local clock offset: -0.316 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.188 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.203 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.823 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.164 ms
Loss rate: 2.57%

Run 1: Report of SReAM — Data Link

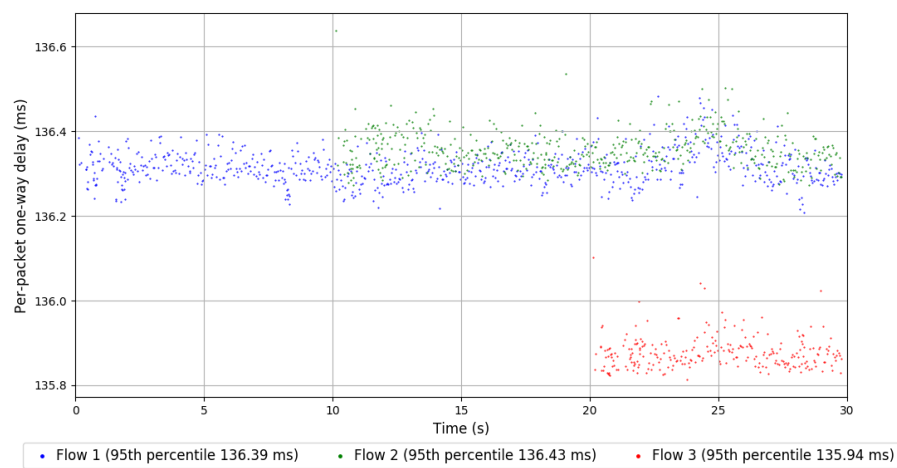
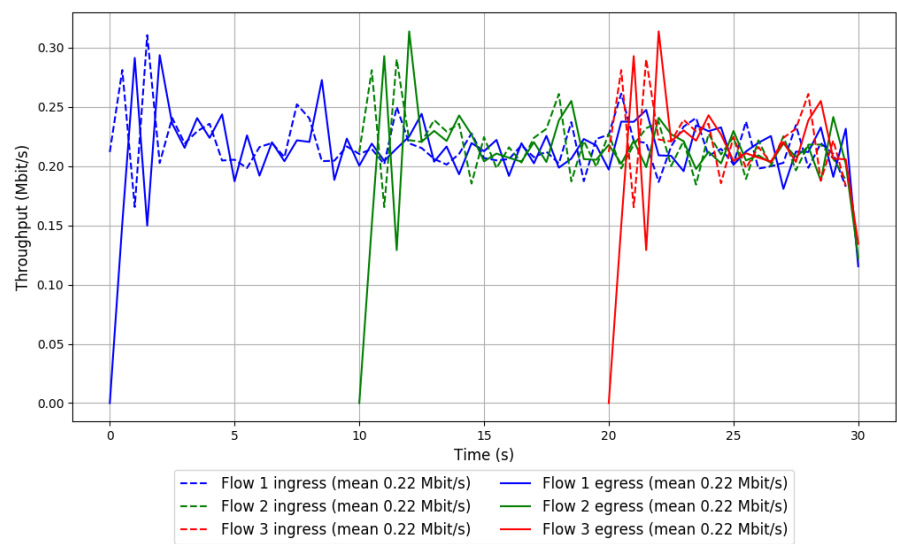


Run 2: Statistics of SReAM

Start at: 2018-07-05 05:52:03
End at: 2018-07-05 05:52:33
Local clock offset: -0.074 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.407 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.386 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.428 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.943 ms
Loss rate: 2.59%

Run 2: Report of SReAM — Data Link

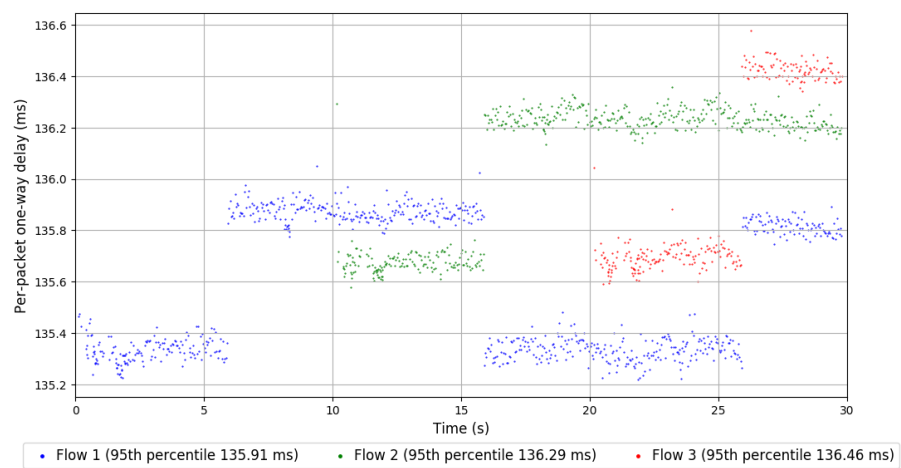
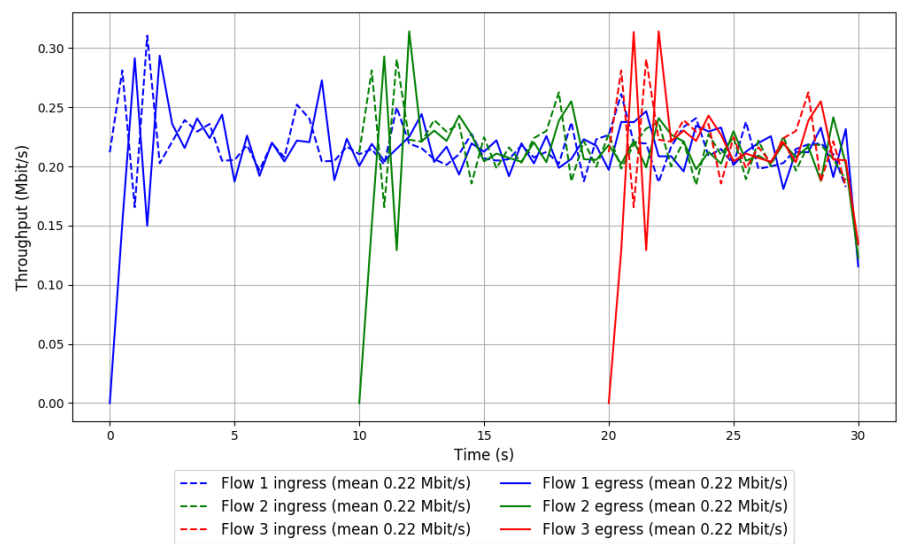


Run 3: Statistics of SReAM

Start at: 2018-07-05 06:19:14
End at: 2018-07-05 06:19:44
Local clock offset: -0.256 ms
Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.398 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.906 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.289 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.461 ms
Loss rate: 2.59%

Run 3: Report of SReAM — Data Link

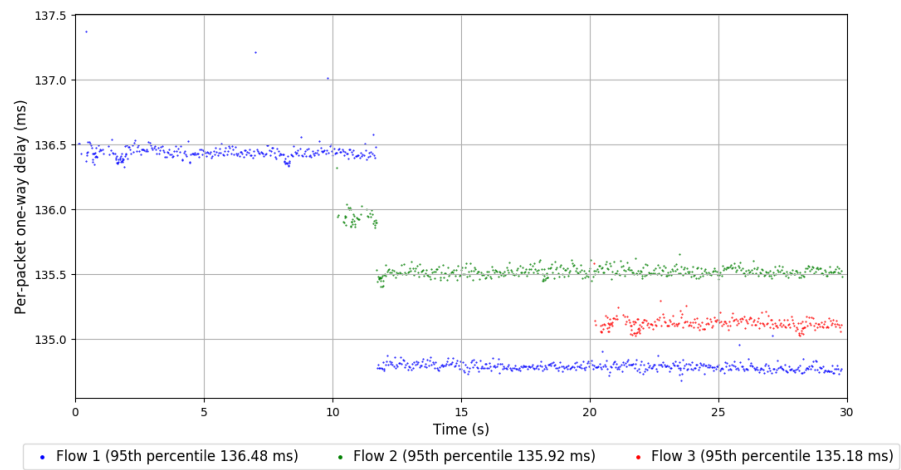
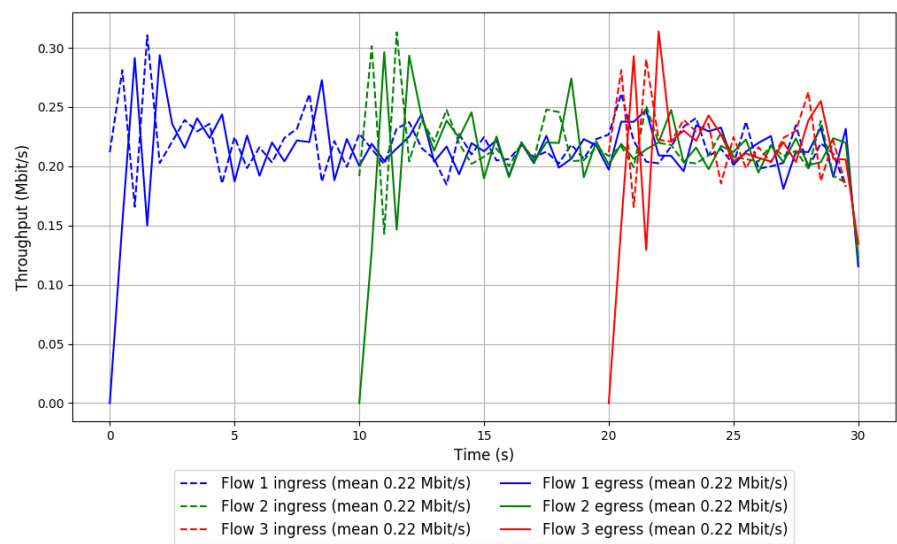


Run 4: Statistics of SReAM

Start at: 2018-07-05 06:46:28
End at: 2018-07-05 06:46:58
Local clock offset: -0.109 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.458 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.480 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.921 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.180 ms
Loss rate: 2.59%

Run 4: Report of SCReAM — Data Link

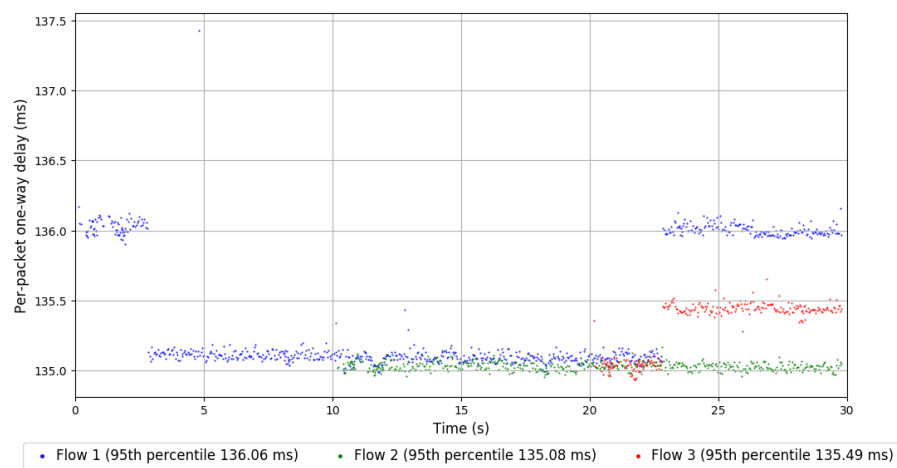
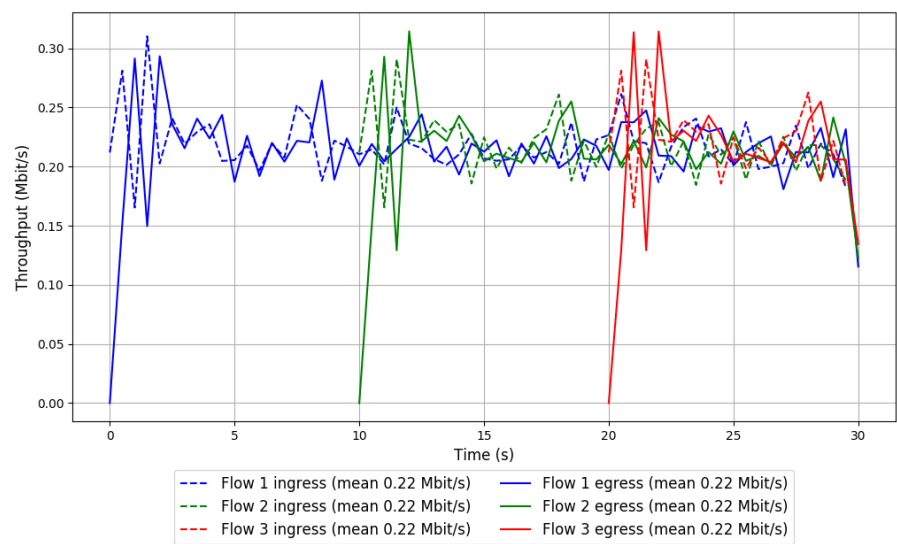


Run 5: Statistics of SReAM

Start at: 2018-07-05 07:13:17
End at: 2018-07-05 07:13:47
Local clock offset: -0.077 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.034 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.063 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.083 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.490 ms
Loss rate: 2.59%

Run 5: Report of SReAM — Data Link

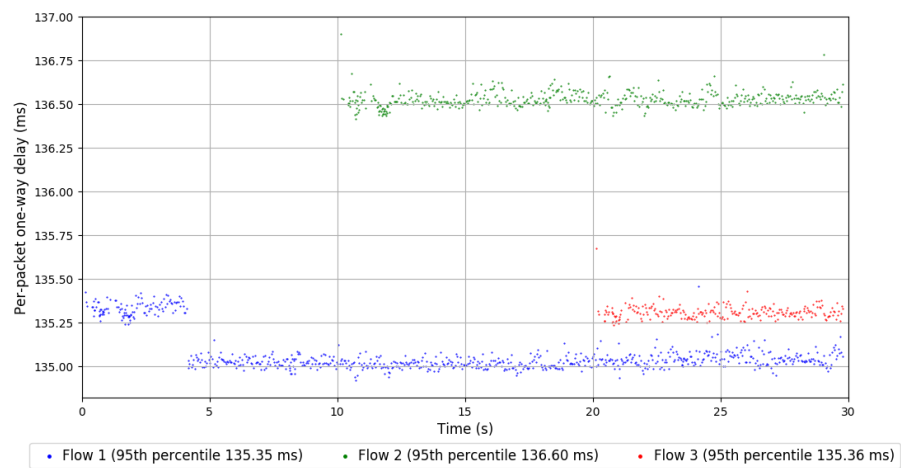
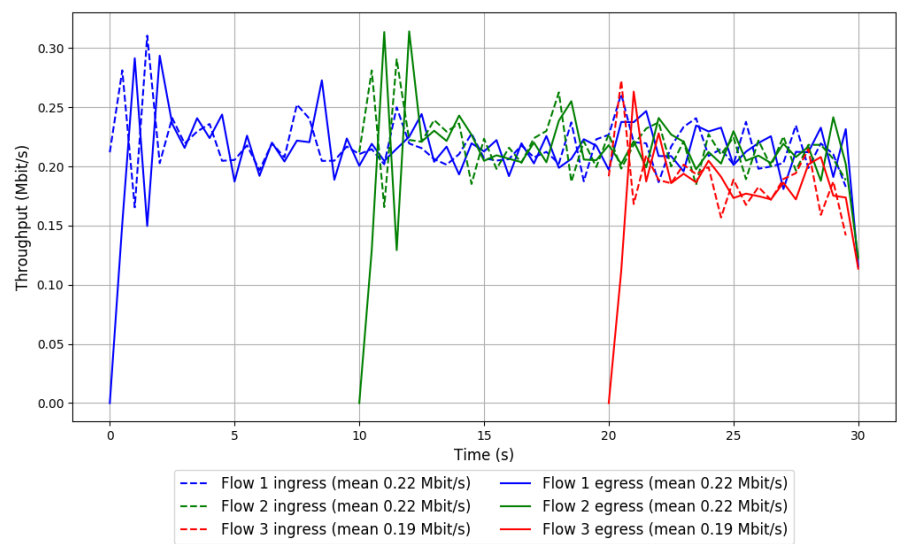


Run 6: Statistics of SReAM

Start at: 2018-07-05 07:40:26
End at: 2018-07-05 07:40:56
Local clock offset: -0.232 ms
Remote clock offset: -0.483 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.352 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.598 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 135.361 ms
Loss rate: 2.23%

Run 6: Report of SReAM — Data Link

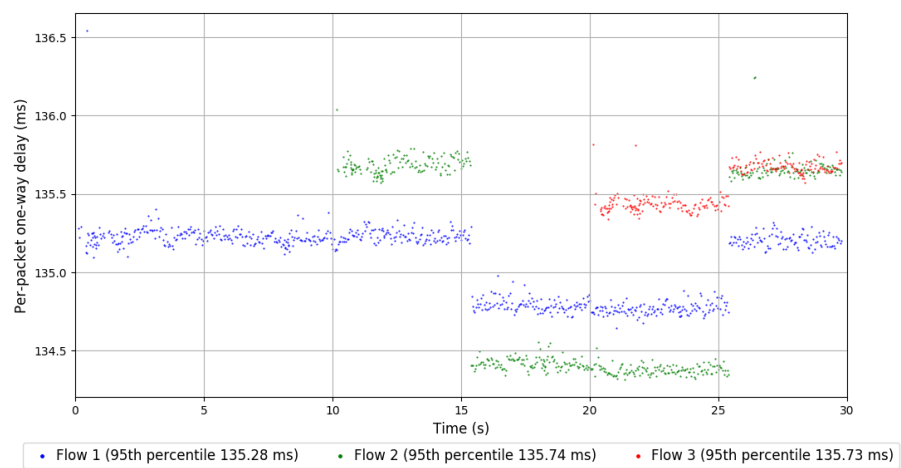
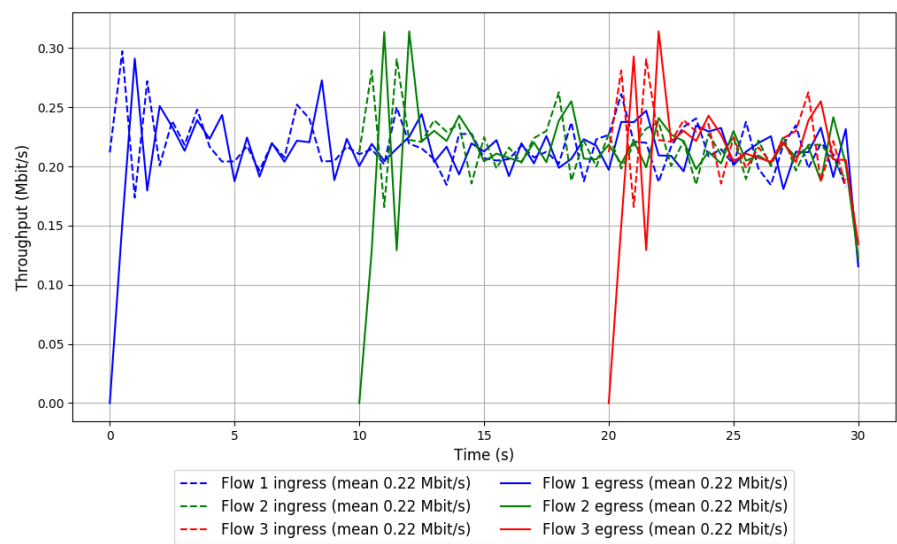


Run 7: Statistics of SReAM

Start at: 2018-07-05 08:07:25
End at: 2018-07-05 08:07:55
Local clock offset: -0.116 ms
Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 135.707 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.283 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.738 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.727 ms
Loss rate: 2.59%

Run 7: Report of SReAM — Data Link

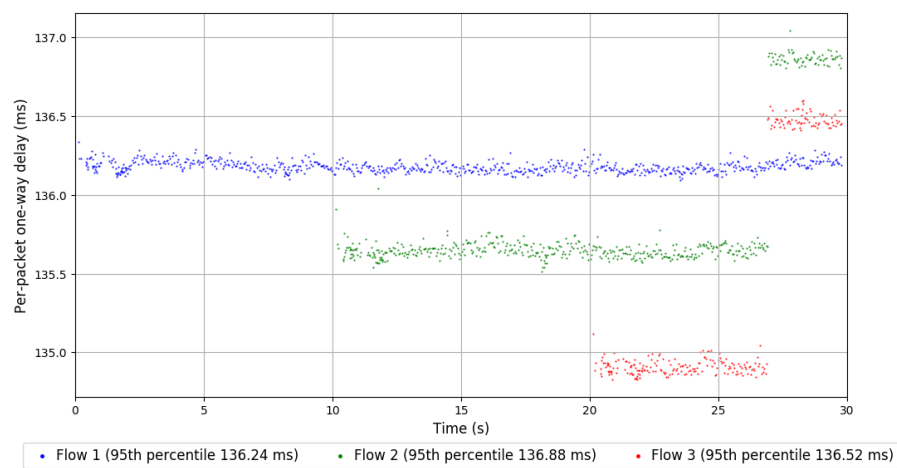
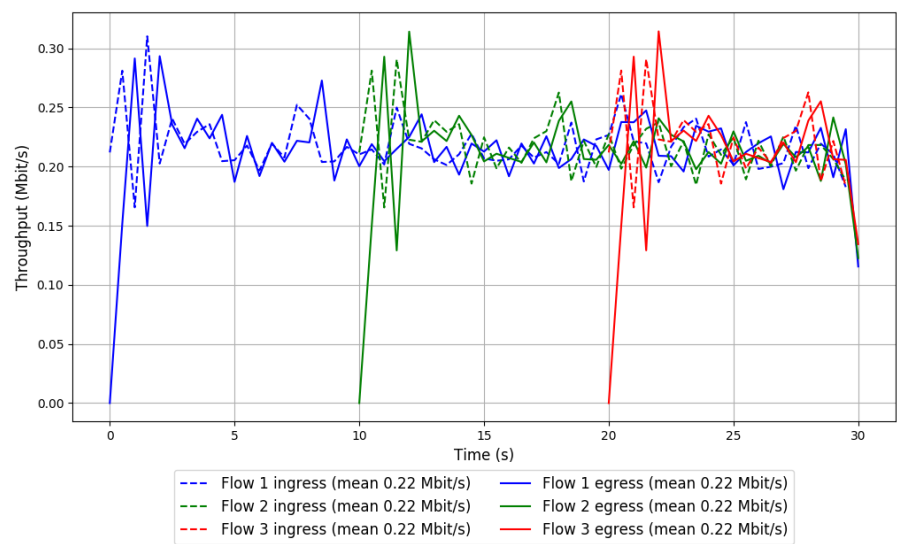


Run 8: Statistics of SReAM

Start at: 2018-07-05 08:34:23
End at: 2018-07-05 08:34:53
Local clock offset: 0.026 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.549 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.876 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.522 ms
Loss rate: 2.59%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-05 09:01:16

End at: 2018-07-05 09:01:46

Local clock offset: 0.188 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2018-07-05 11:48:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.450 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.466 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.238 ms

Loss rate: 1.43%

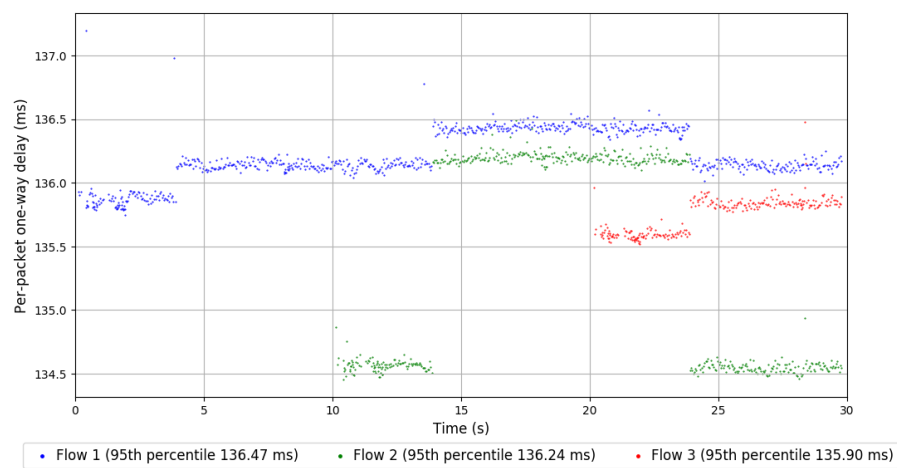
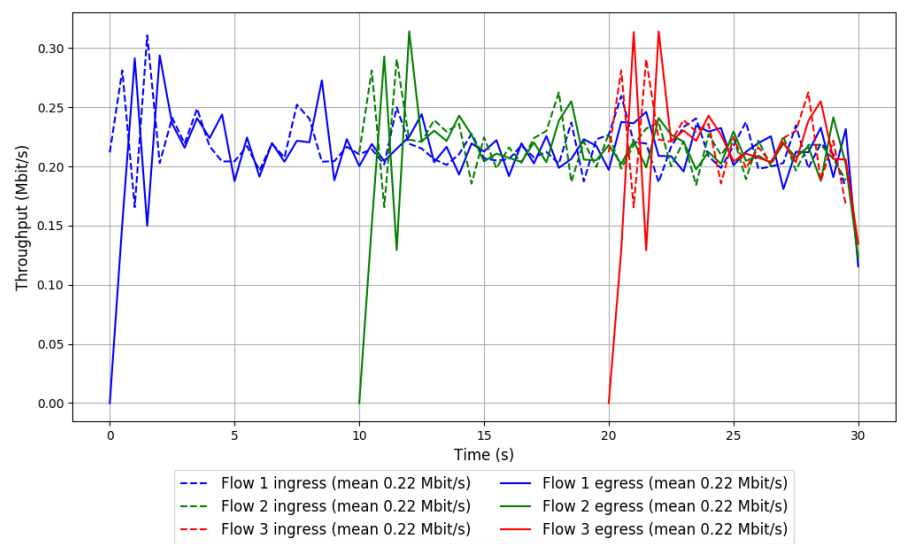
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.903 ms

Loss rate: 2.25%

Run 9: Report of SReAM — Data Link

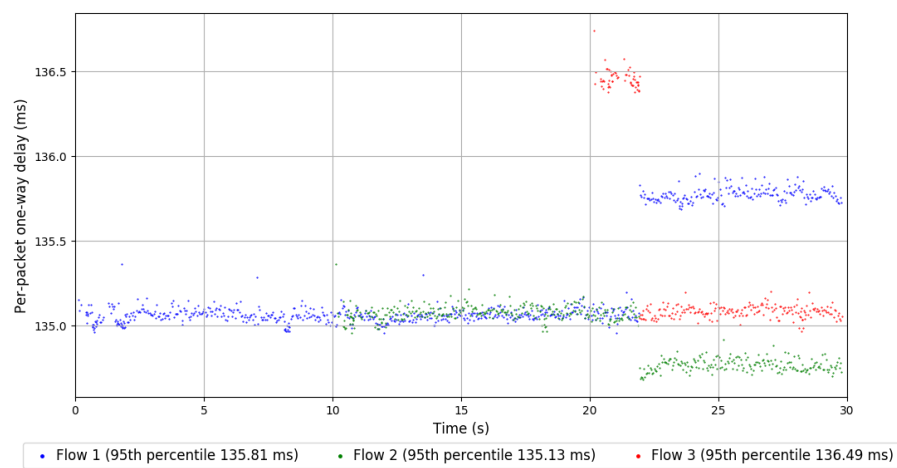
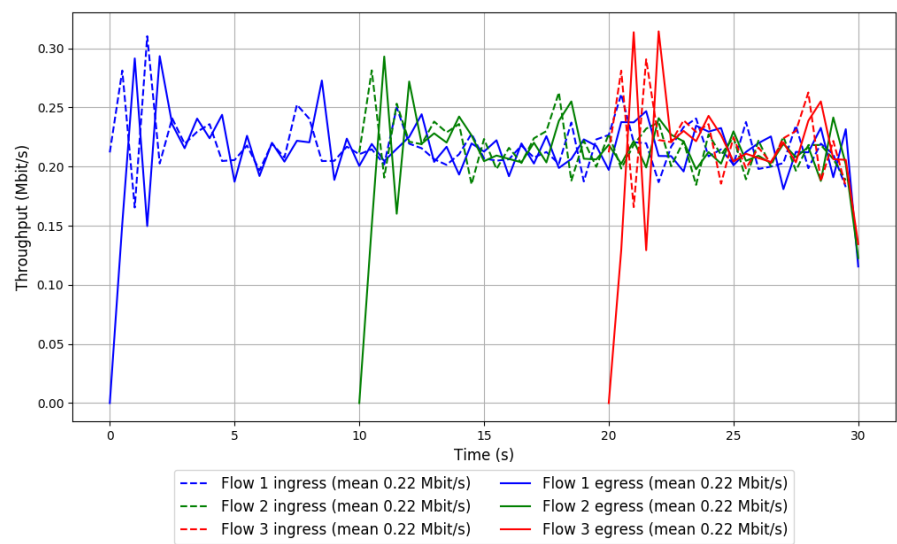


Run 10: Statistics of SReAM

Start at: 2018-07-05 09:28:18
End at: 2018-07-05 09:28:48
Local clock offset: 0.021 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 135.823 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.805 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.131 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.487 ms
Loss rate: 2.59%

Run 10: Report of SReAM — Data Link

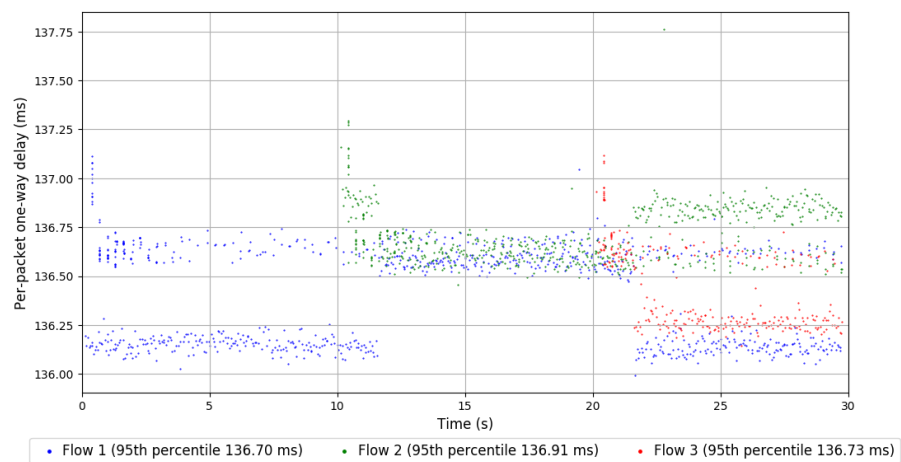
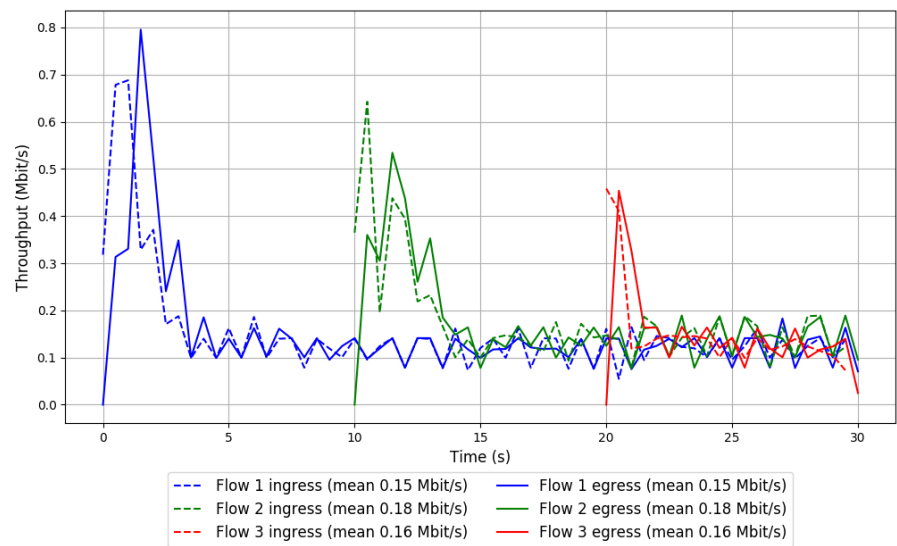


Run 1: Statistics of Sprout

Start at: 2018-07-05 05:30:38
End at: 2018-07-05 05:31:08
Local clock offset: -0.1 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 136.880 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.697 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.915 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 1.74%

Run 1: Report of Sprout — Data Link

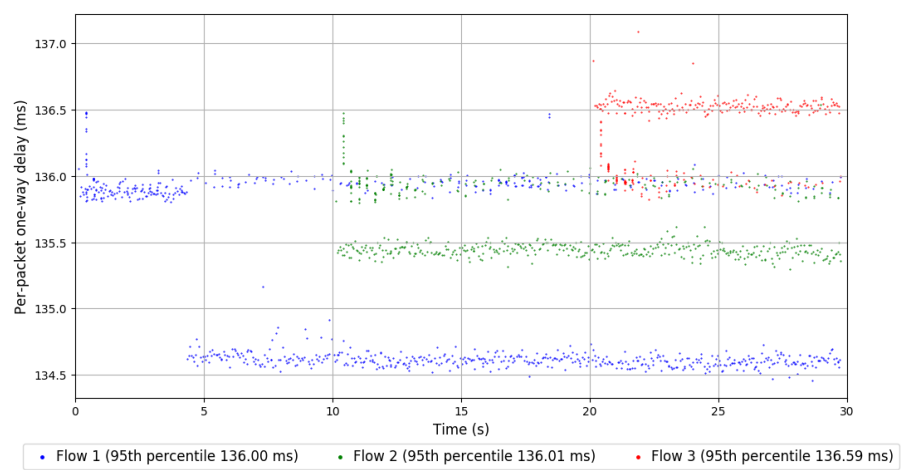
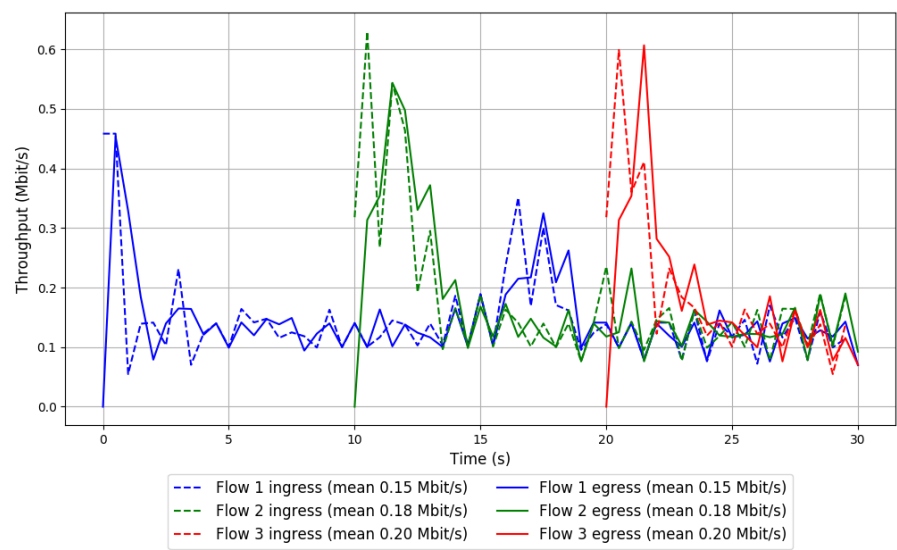


Run 2: Statistics of Sprout

Start at: 2018-07-05 05:57:56
End at: 2018-07-05 05:58:26
Local clock offset: -0.244 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.534 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.997 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.011 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.589 ms
Loss rate: 1.86%

Run 2: Report of Sprout — Data Link

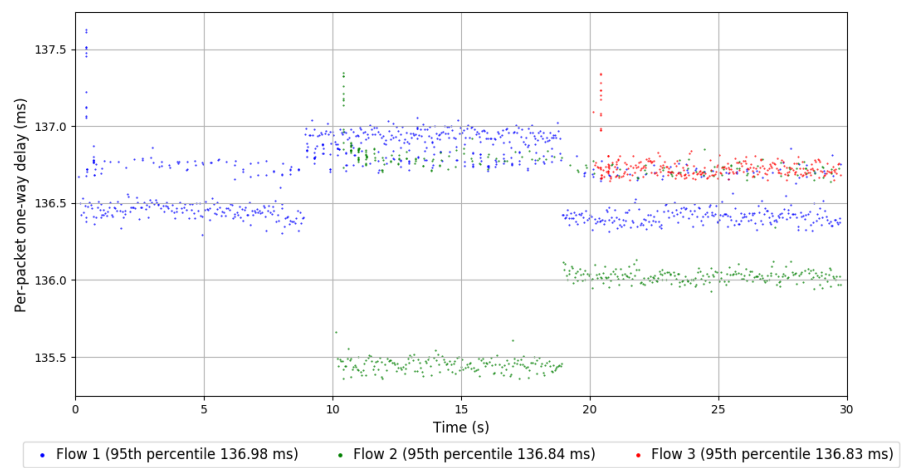
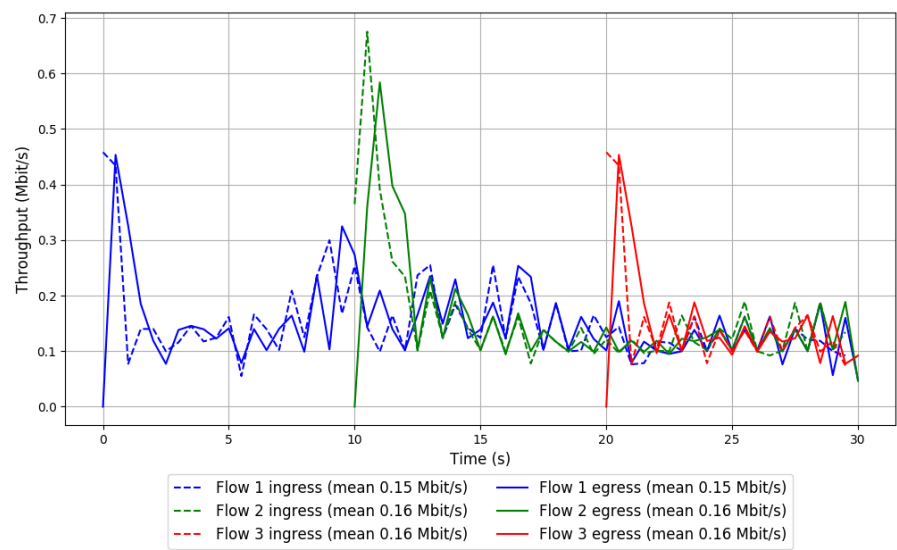


Run 3: Statistics of Sprout

Start at: 2018-07-05 06:25:01
End at: 2018-07-05 06:25:31
Local clock offset: -0.096 ms
Remote clock offset: -0.439 ms

```
# Below is generated by plot.py at 2018-07-05 11:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.967 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.984 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.828 ms
Loss rate: 1.55%
```


Run 3: Report of Sprout — Data Link

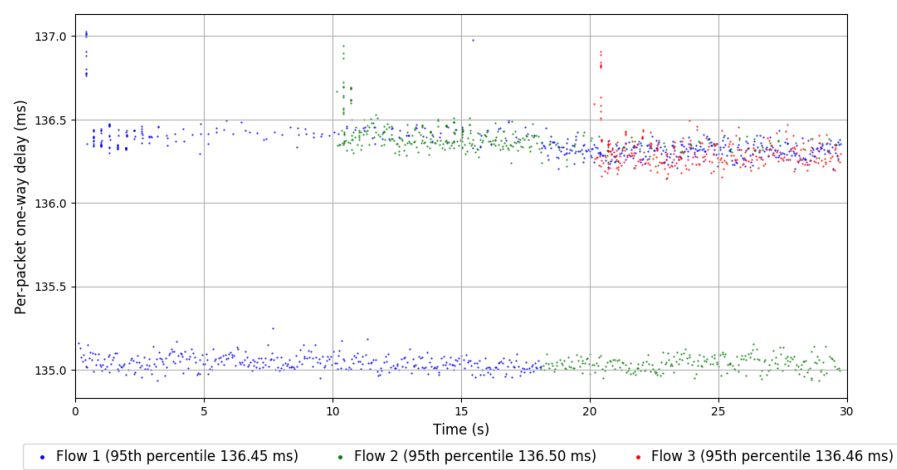
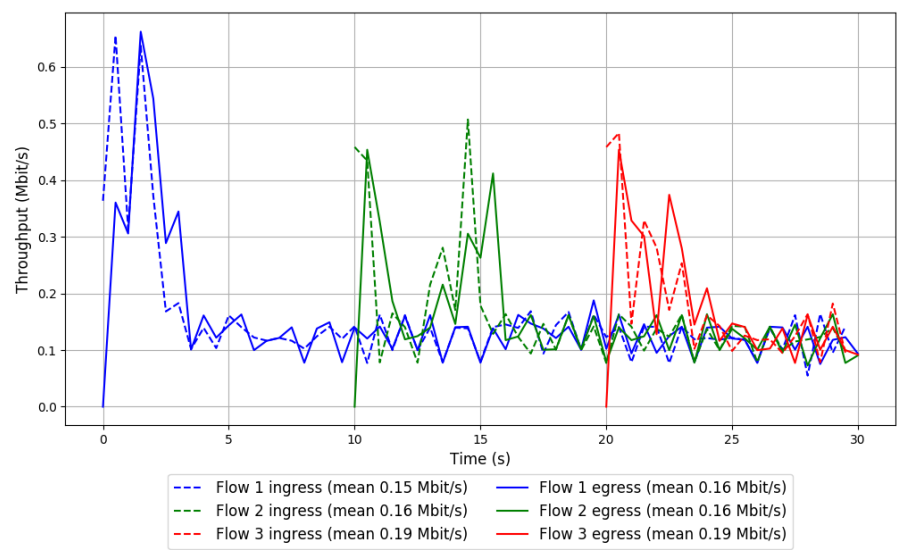


Run 4: Statistics of Sprout

Start at: 2018-07-05 06:52:12
End at: 2018-07-05 06:52:42
Local clock offset: -0.159 ms
Remote clock offset: -0.129 ms

```
# Below is generated by plot.py at 2018-07-05 11:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 136.463 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.447 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.498 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.459 ms
Loss rate: 2.43%
```

Run 4: Report of Sprout — Data Link

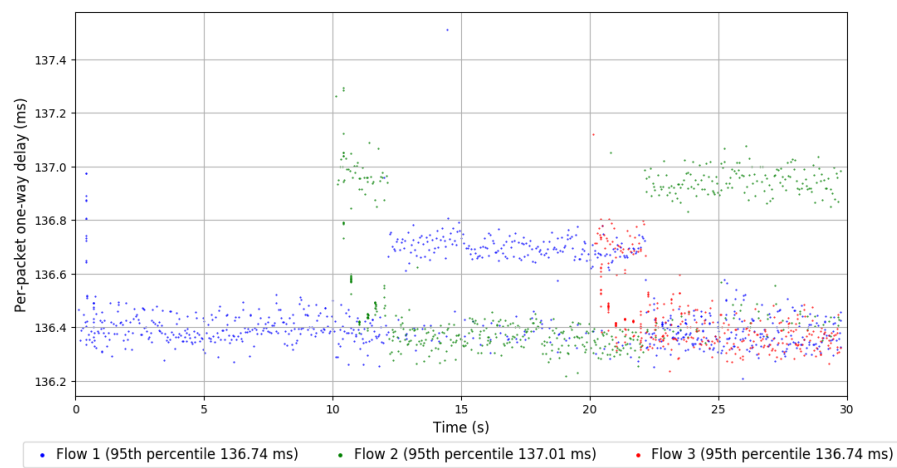
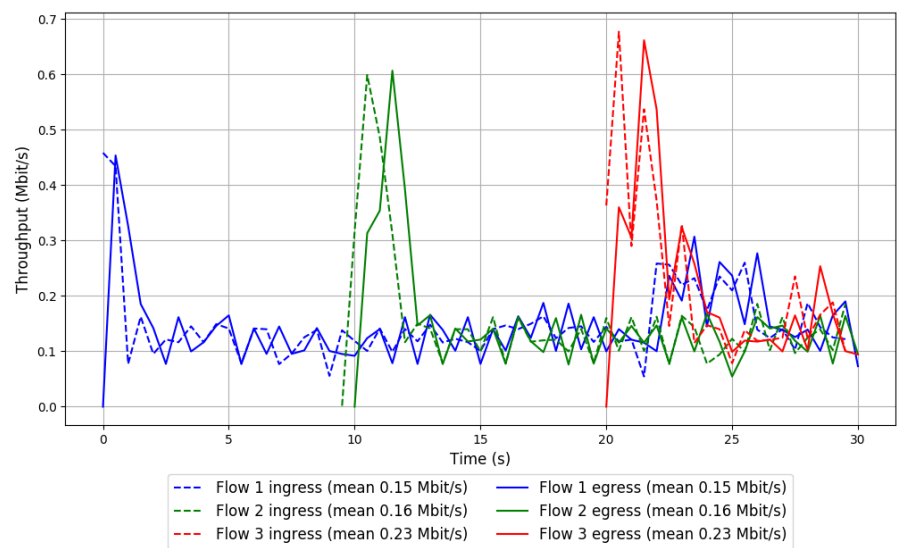


Run 5: Statistics of Sprout

Start at: 2018-07-05 07:19:08
End at: 2018-07-05 07:19:38
Local clock offset: -0.036 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.961 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 137.014 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 2.15%

Run 5: Report of Sprout — Data Link

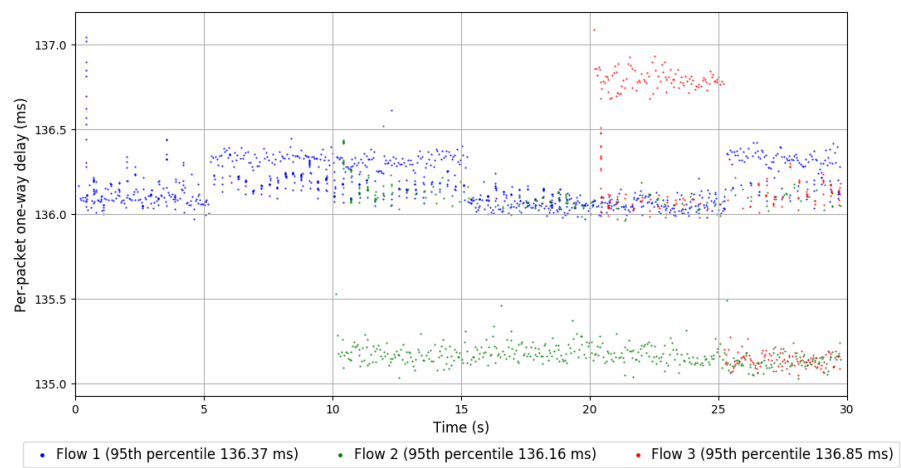
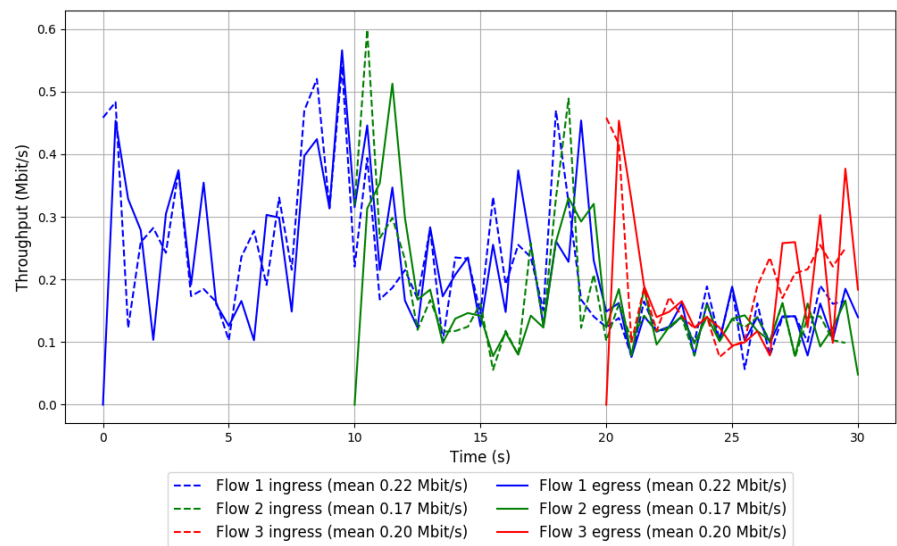


Run 6: Statistics of Sprout

Start at: 2018-07-05 07:46:05
End at: 2018-07-05 07:46:35
Local clock offset: -0.054 ms
Remote clock offset: -0.116 ms

```
# Below is generated by plot.py at 2018-07-05 11:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.716 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.366 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.162 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.851 ms
Loss rate: 1.78%
```

Run 6: Report of Sprout — Data Link

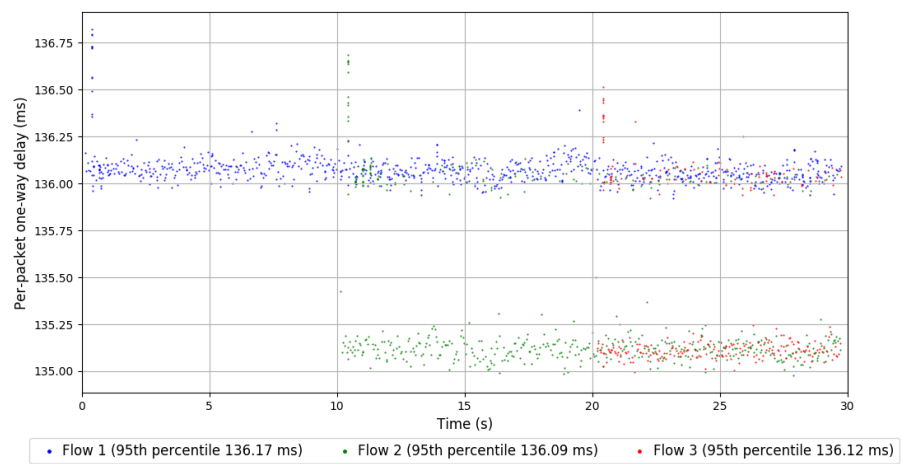
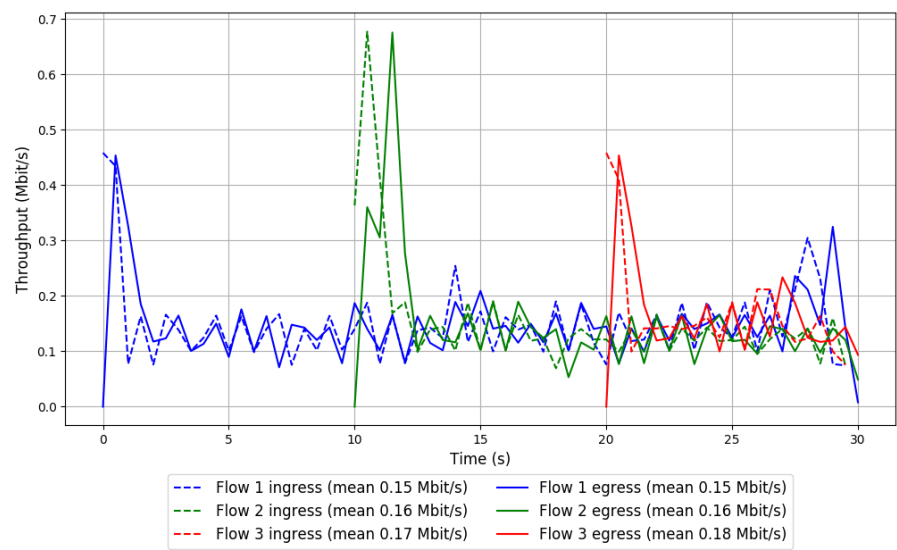


Run 7: Statistics of Sprout

Start at: 2018-07-05 08:13:09
End at: 2018-07-05 08:13:39
Local clock offset: -0.07 ms
Remote clock offset: -0.062 ms

```
# Below is generated by plot.py at 2018-07-05 11:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.151 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.166 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.094 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.116 ms
Loss rate: 0.23%
```


Run 7: Report of Sprout — Data Link

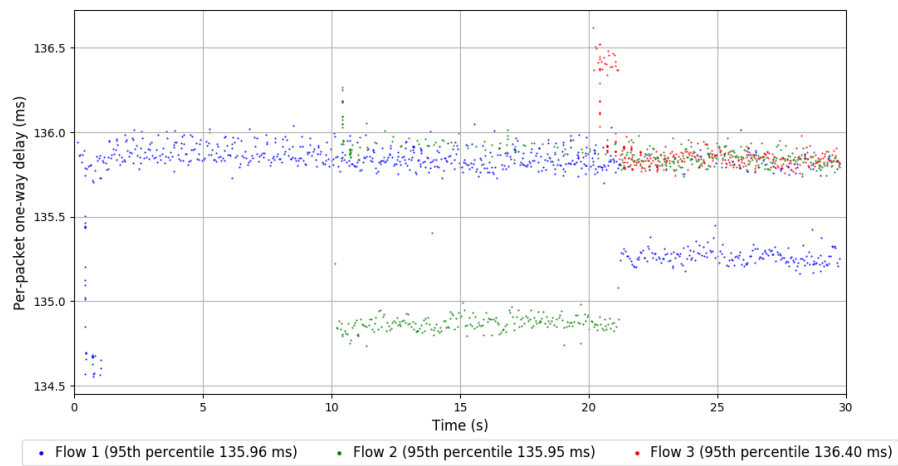
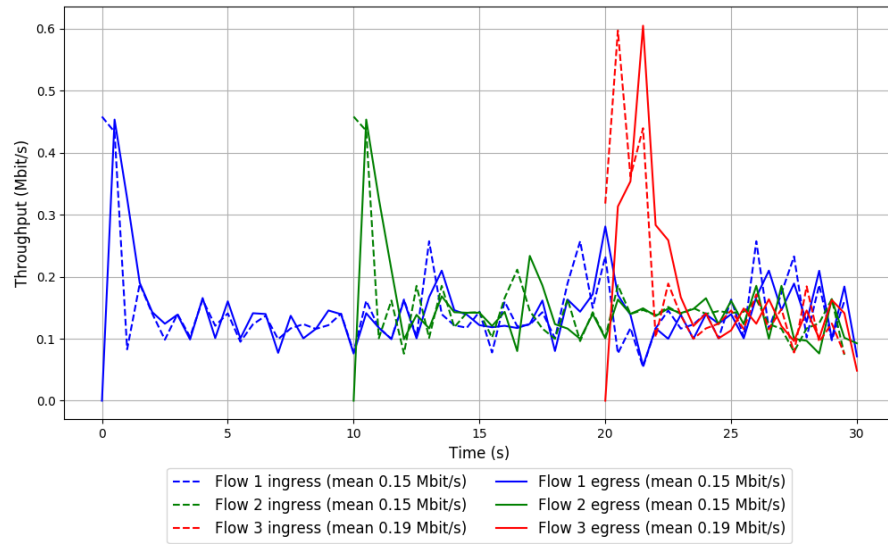


Run 8: Statistics of Sprout

Start at: 2018-07-05 08:40:09
End at: 2018-07-05 08:40:39
Local clock offset: -0.208 ms
Remote clock offset: -0.068 ms

```
# Below is generated by plot.py at 2018-07-05 11:48:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 135.973 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.960 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.953 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.404 ms
Loss rate: 0.85%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-05 09:07:07

End at: 2018-07-05 09:07:37

Local clock offset: -0.002 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-05 11:48:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.371 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 136.061 ms

Loss rate: 1.24%

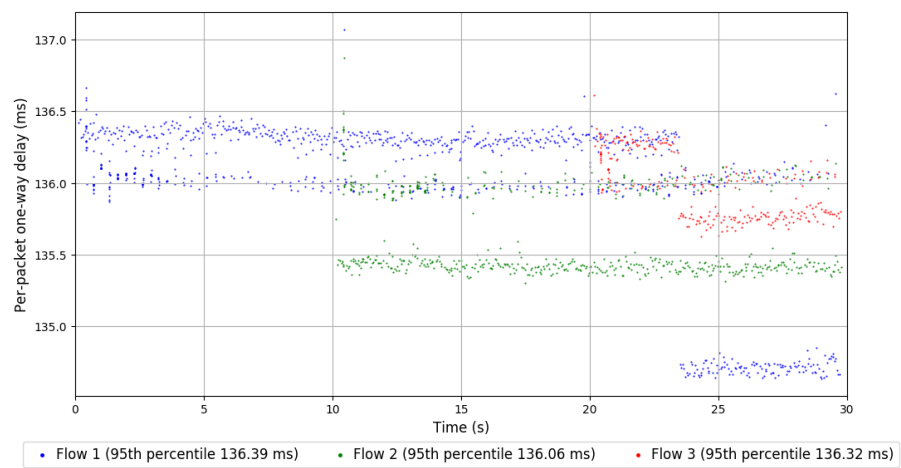
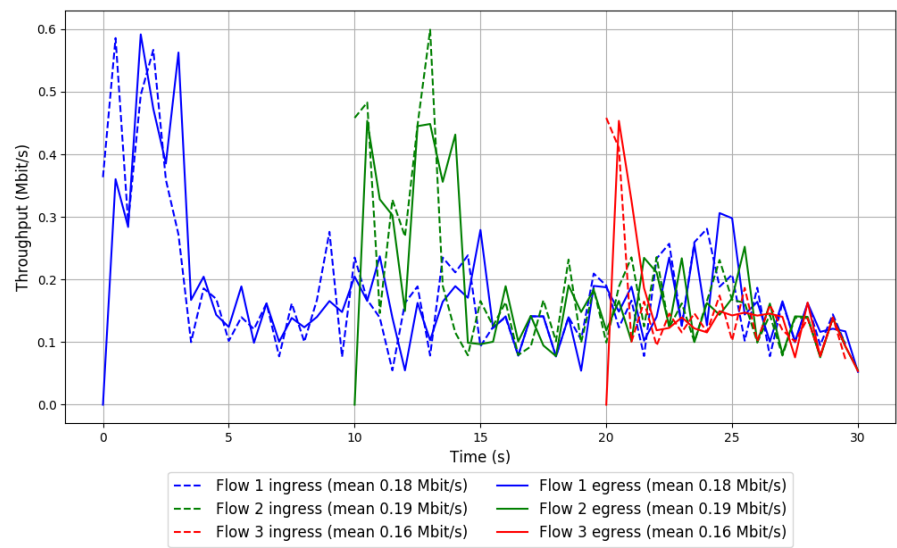
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.319 ms

Loss rate: 2.23%

Run 9: Report of Sprout — Data Link

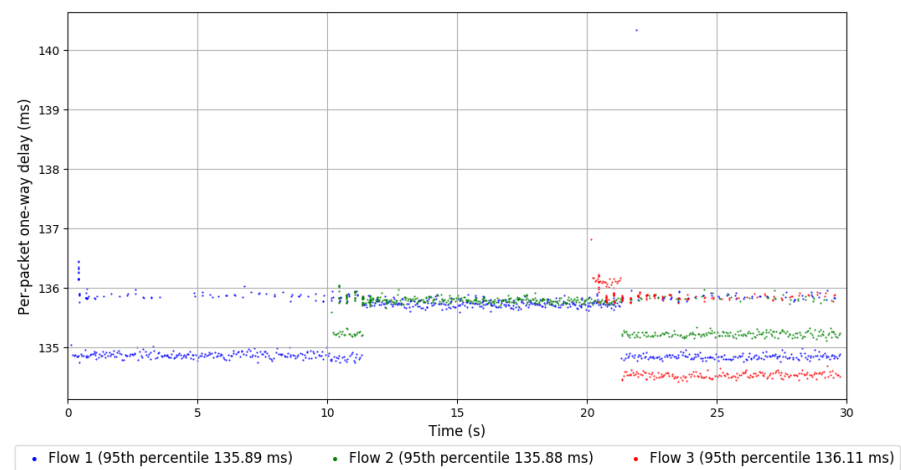
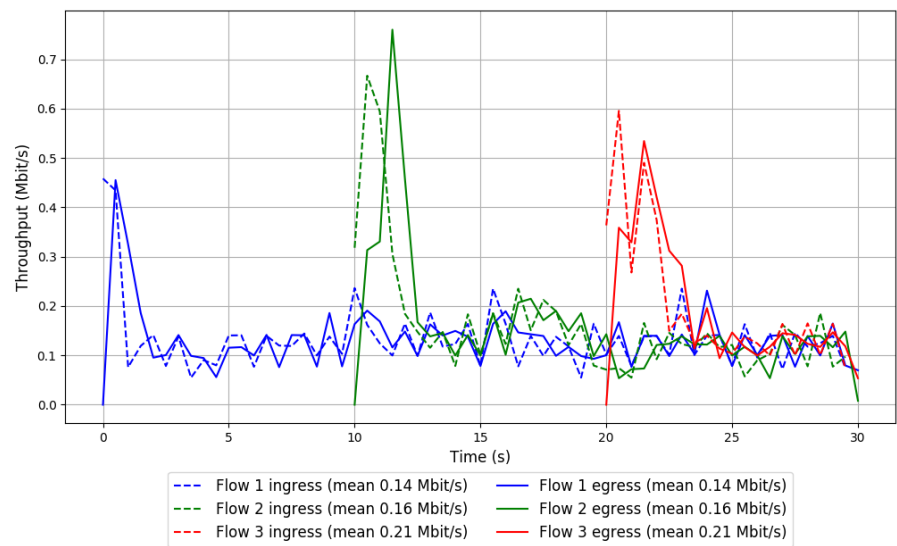


Run 10: Statistics of Sprout

Start at: 2018-07-05 09:33:39
End at: 2018-07-05 09:34:09
Local clock offset: 0.146 ms
Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-05 11:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 135.918 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 135.894 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 135.878 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.112 ms
Loss rate: 1.75%

Run 10: Report of Sprout — Data Link

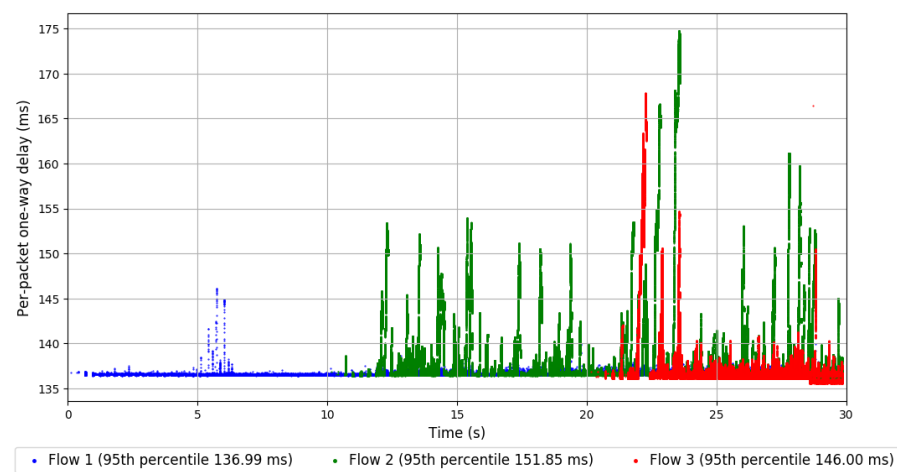
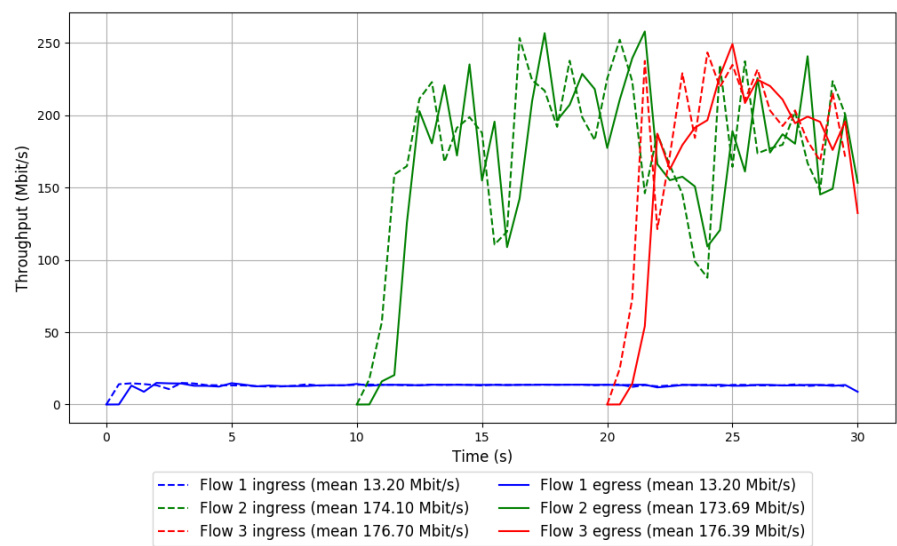


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-05 05:29:02
End at: 2018-07-05 05:29:32
Local clock offset: -0.182 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-07-05 11:50:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.95 Mbit/s
95th percentile per-packet one-way delay: 150.165 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 136.992 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 173.69 Mbit/s
95th percentile per-packet one-way delay: 151.847 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 176.39 Mbit/s
95th percentile per-packet one-way delay: 146.003 ms
Loss rate: 2.82%

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

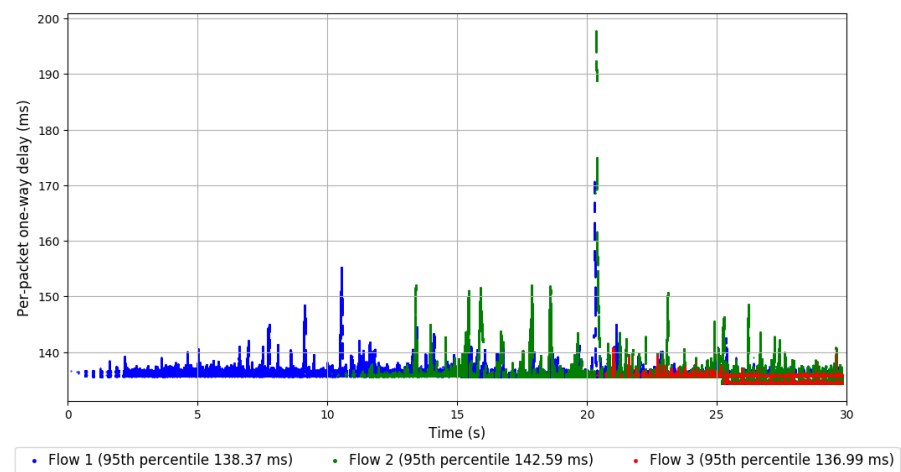
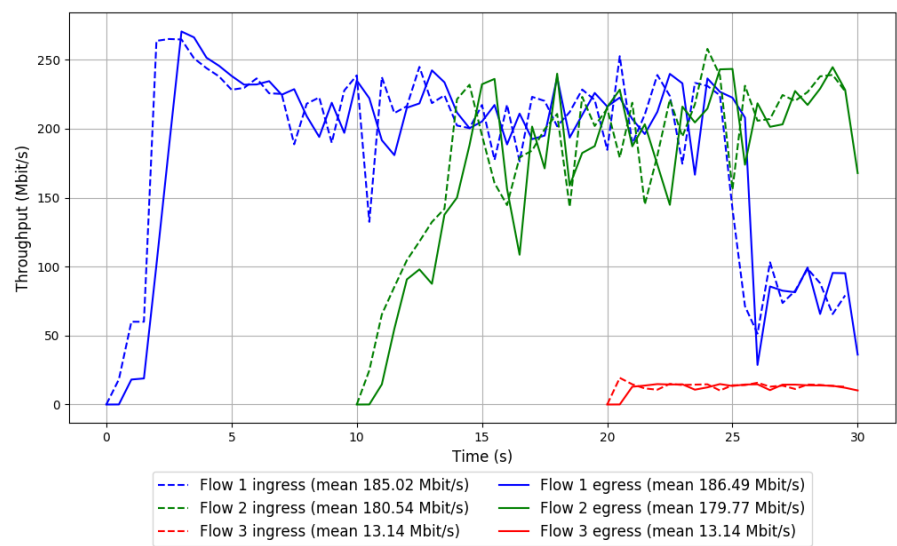


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-05 05:56:05
End at: 2018-07-05 05:56:35
Local clock offset: -0.266 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-05 11:55:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.45 Mbit/s
95th percentile per-packet one-way delay: 139.828 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 186.49 Mbit/s
95th percentile per-packet one-way delay: 138.368 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 179.77 Mbit/s
95th percentile per-packet one-way delay: 142.592 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 136.993 ms
Loss rate: 2.79%

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

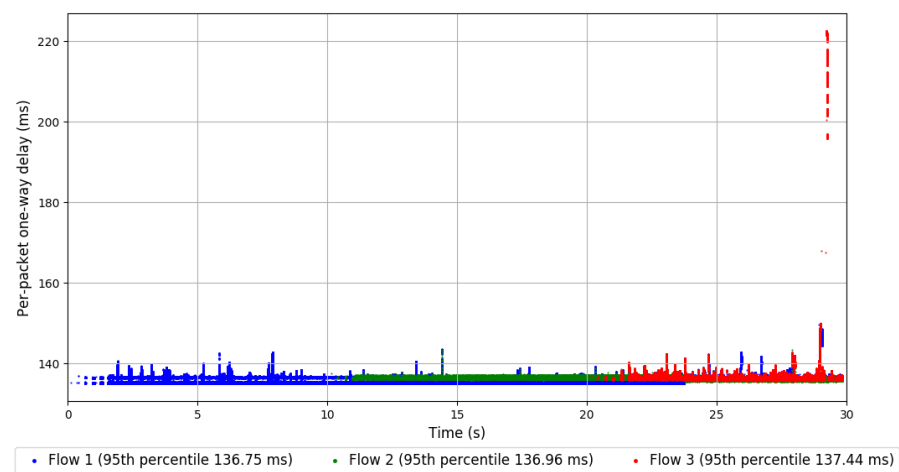
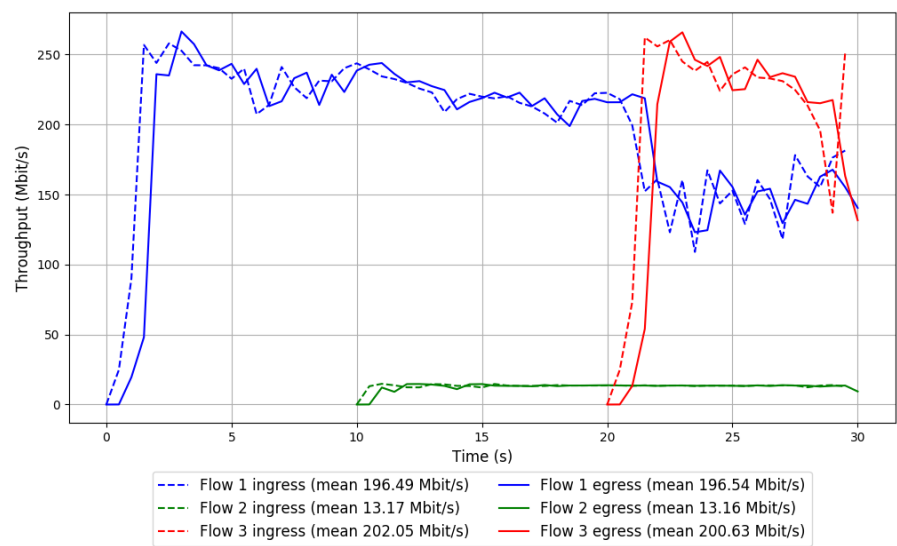


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-05 06:23:16
End at: 2018-07-05 06:23:46
Local clock offset: -0.048 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-05 11:55:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.71 Mbit/s
95th percentile per-packet one-way delay: 136.904 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 196.54 Mbit/s
95th percentile per-packet one-way delay: 136.755 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 200.63 Mbit/s
95th percentile per-packet one-way delay: 137.441 ms
Loss rate: 3.42%

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

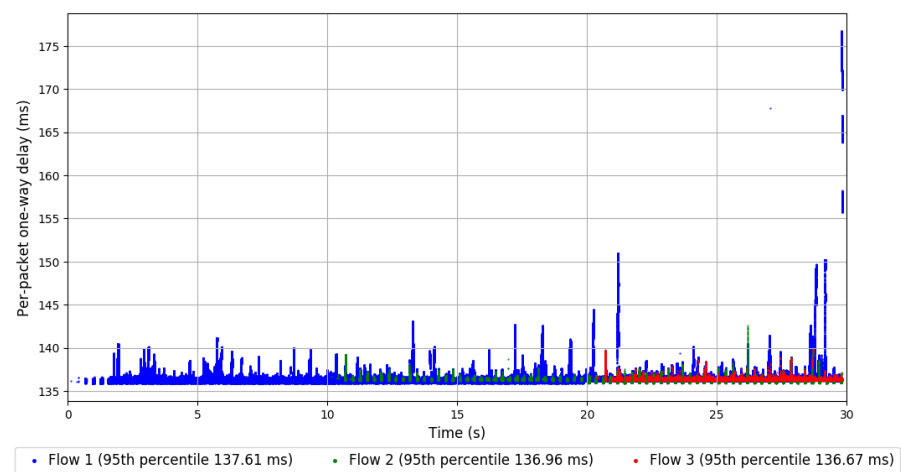
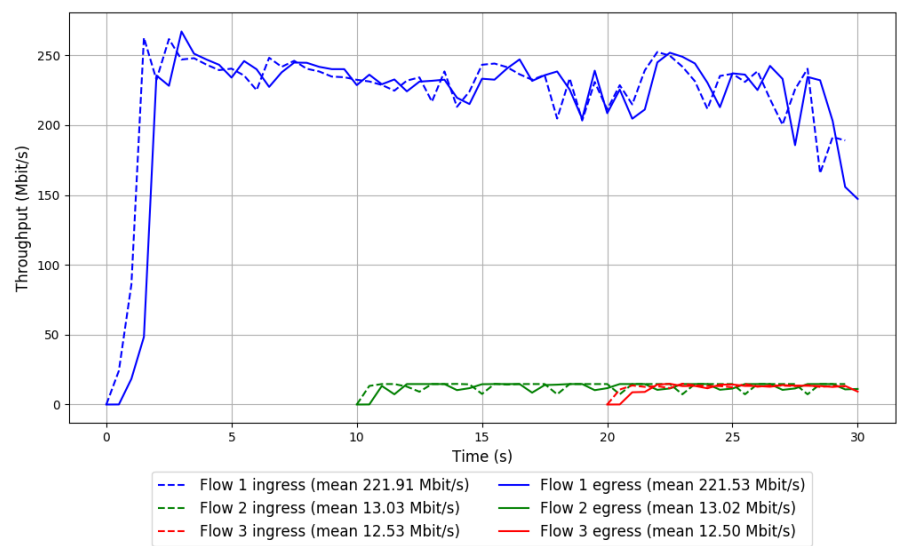


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-05 06:50:30
End at: 2018-07-05 06:51:00
Local clock offset: -0.07 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-05 11:55:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.22 Mbit/s
95th percentile per-packet one-way delay: 137.551 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 221.53 Mbit/s
95th percentile per-packet one-way delay: 137.610 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 136.960 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 136.673 ms
Loss rate: 3.00%

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

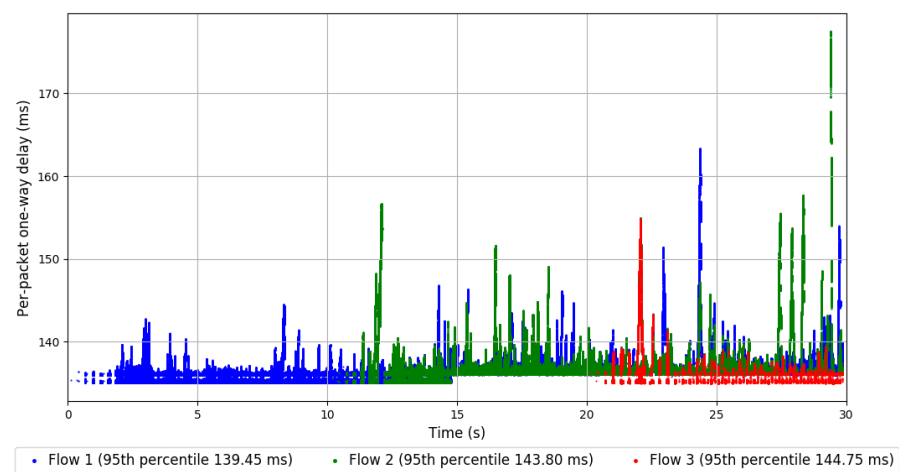
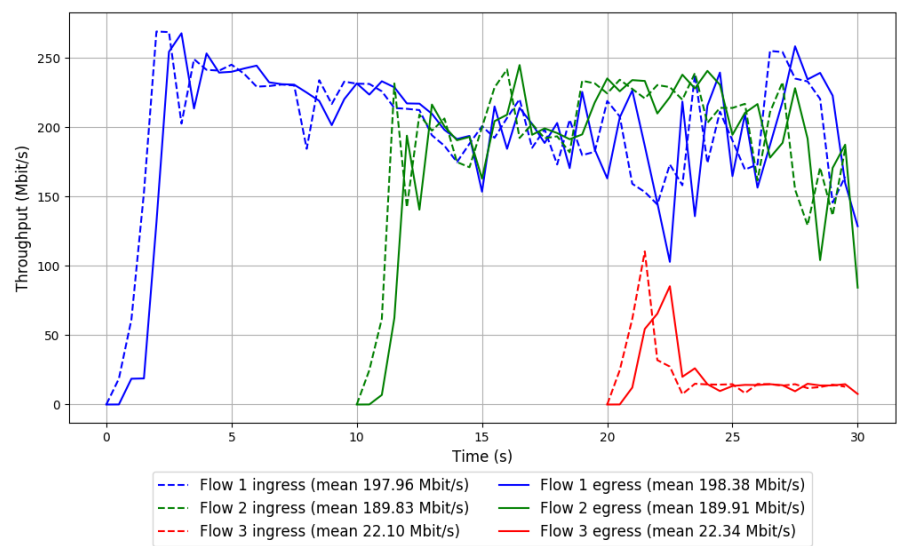


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-05 07:17:15
End at: 2018-07-05 07:17:45
Local clock offset: 0.094 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-05 11:57:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.36 Mbit/s
95th percentile per-packet one-way delay: 140.909 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 198.38 Mbit/s
95th percentile per-packet one-way delay: 139.450 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 189.91 Mbit/s
95th percentile per-packet one-way delay: 143.798 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 144.747 ms
Loss rate: 1.67%

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

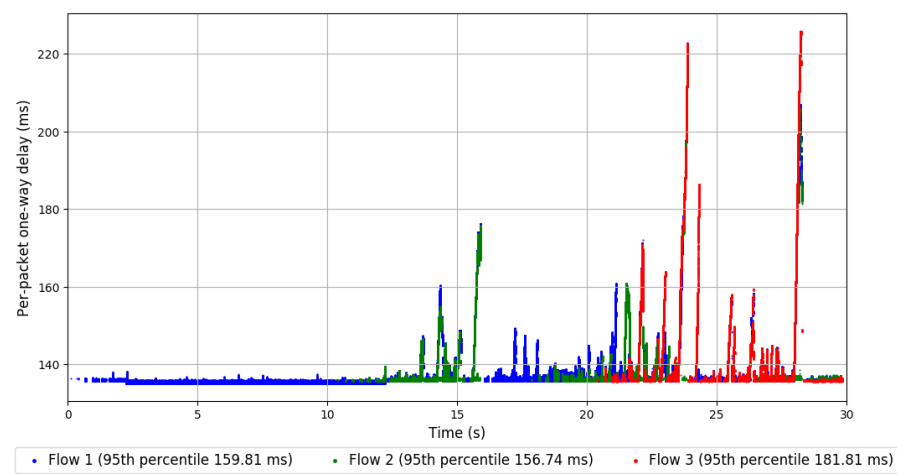
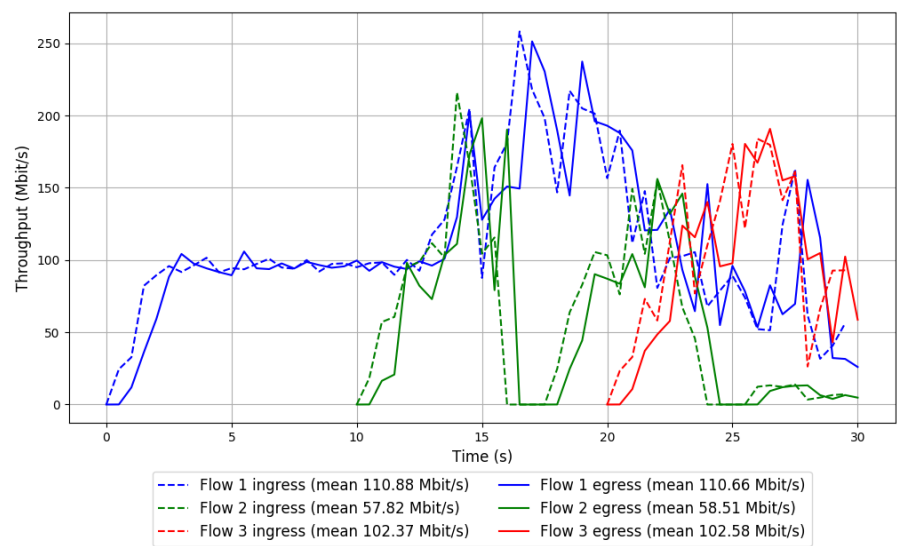


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-05 07:44:28
End at: 2018-07-05 07:44:58
Local clock offset: -0.246 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-05 11:57:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.89 Mbit/s
95th percentile per-packet one-way delay: 163.981 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 110.66 Mbit/s
95th percentile per-packet one-way delay: 159.805 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 156.743 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 102.58 Mbit/s
95th percentile per-packet one-way delay: 181.815 ms
Loss rate: 2.53%

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

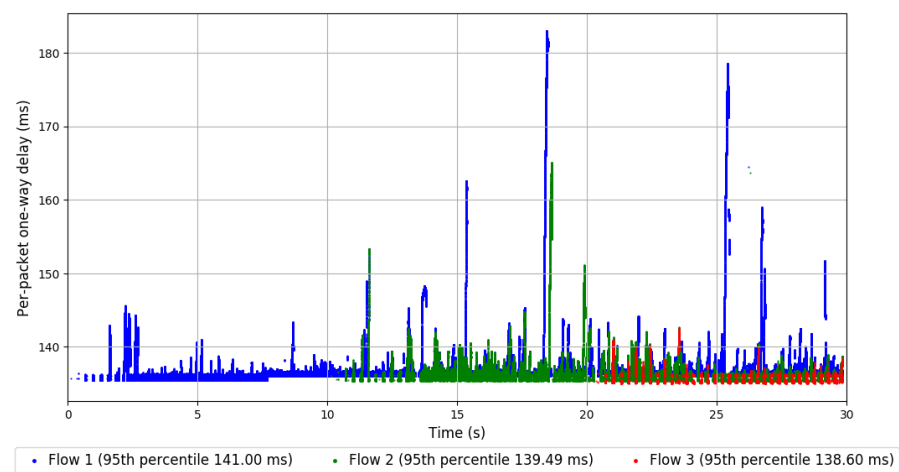
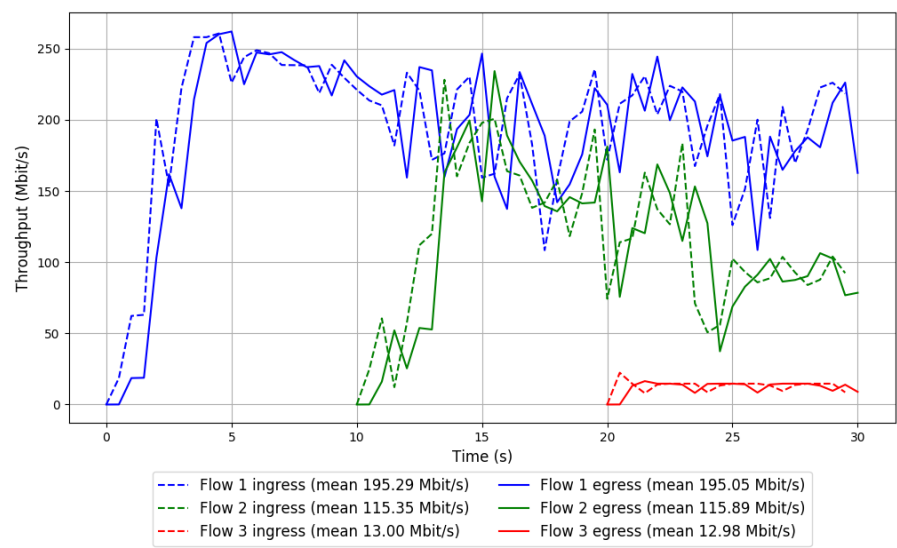


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-05 08:11:23
End at: 2018-07-05 08:11:53
Local clock offset: 0.028 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-05 11:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.12 Mbit/s
95th percentile per-packet one-way delay: 140.367 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 195.05 Mbit/s
95th percentile per-packet one-way delay: 141.005 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 115.89 Mbit/s
95th percentile per-packet one-way delay: 139.488 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 138.603 ms
Loss rate: 2.66%

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

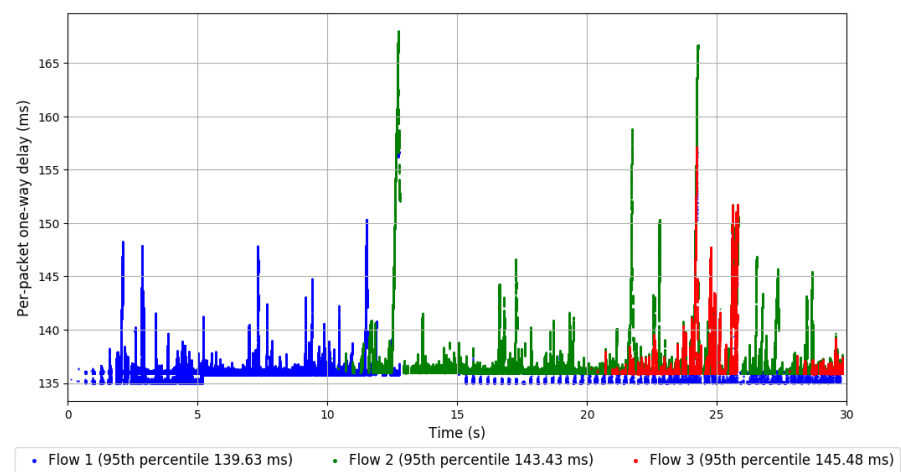
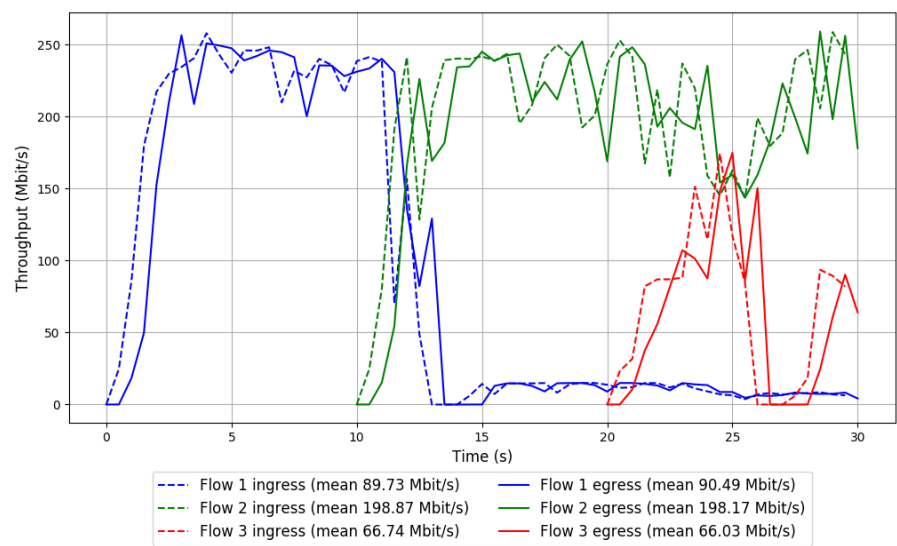


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-05 08:38:25
End at: 2018-07-05 08:38:55
Local clock offset: -0.014 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-05 11:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.17 Mbit/s
95th percentile per-packet one-way delay: 142.725 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 139.626 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 198.17 Mbit/s
95th percentile per-packet one-way delay: 143.429 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 145.477 ms
Loss rate: 3.77%

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

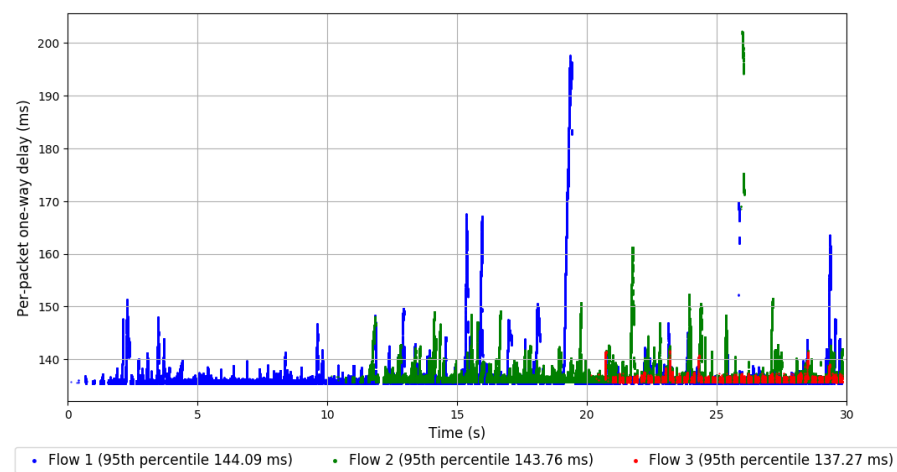
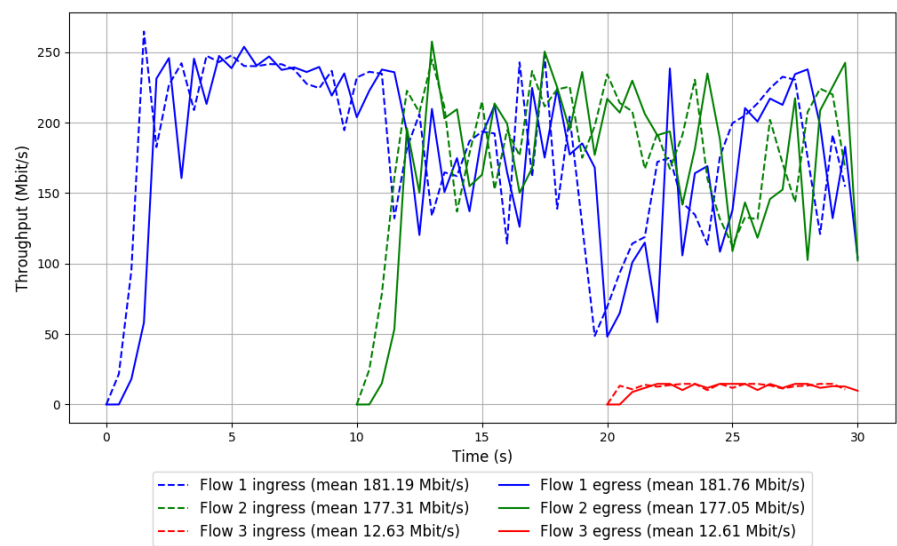


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-05 09:05:18
End at: 2018-07-05 09:05:48
Local clock offset: -0.119 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.96 Mbit/s
95th percentile per-packet one-way delay: 143.879 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 181.76 Mbit/s
95th percentile per-packet one-way delay: 144.086 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 177.05 Mbit/s
95th percentile per-packet one-way delay: 143.759 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 137.271 ms
Loss rate: 2.91%

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

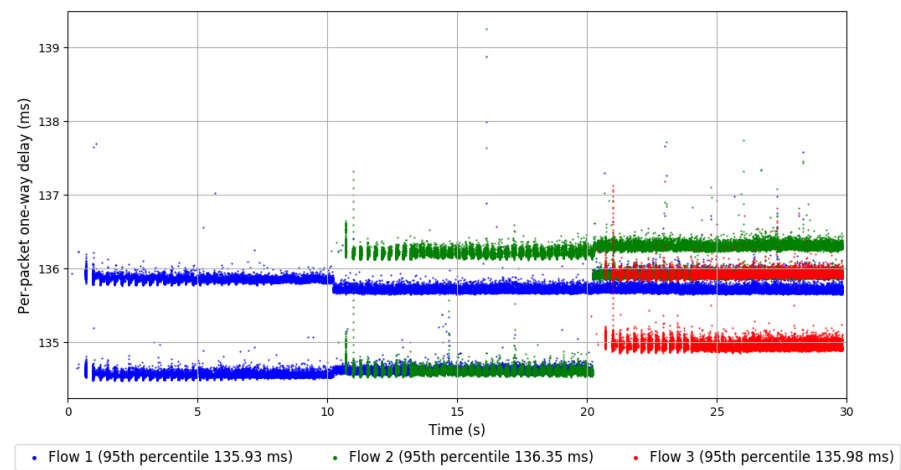
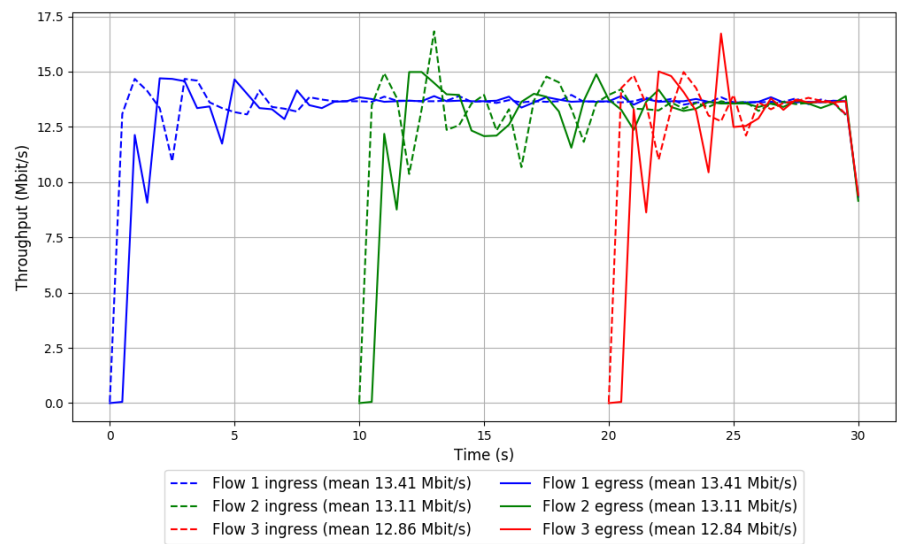


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-05 09:32:20
End at: 2018-07-05 09:32:50
Local clock offset: -0.007 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 136.298 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 135.933 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 136.347 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 135.983 ms
Loss rate: 2.92%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-05 05:27:37

End at: 2018-07-05 05:28:07

Local clock offset: -0.074 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-07-05 12:02:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.34 Mbit/s

95th percentile per-packet one-way delay: 148.672 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 81.69 Mbit/s

95th percentile per-packet one-way delay: 149.056 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 80.12 Mbit/s

95th percentile per-packet one-way delay: 148.732 ms

Loss rate: 1.52%

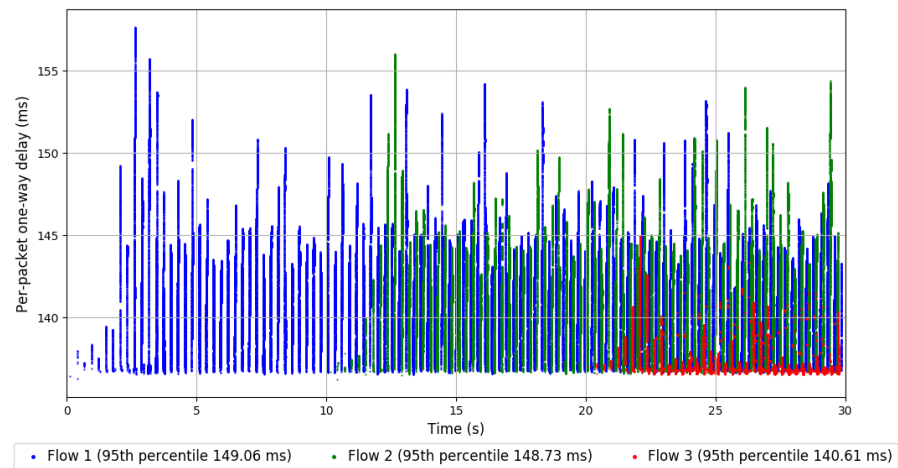
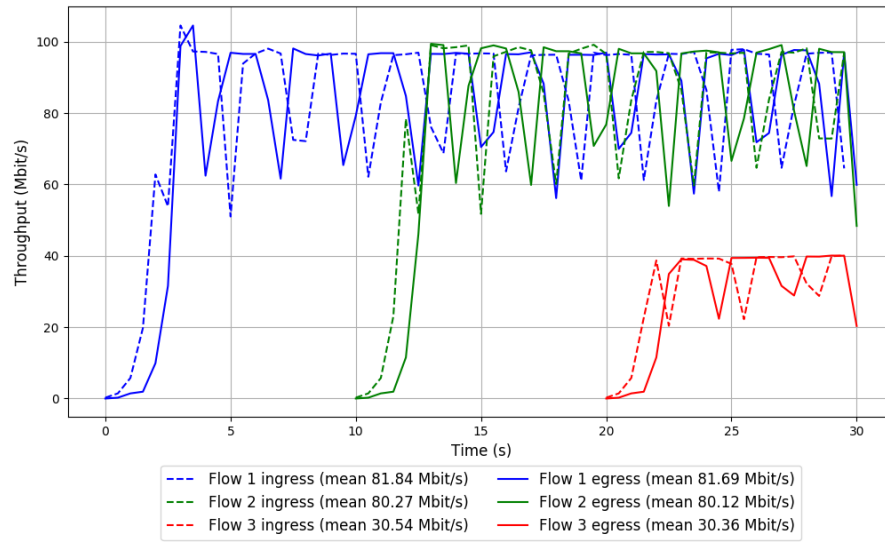
-- Flow 3:

Average throughput: 30.36 Mbit/s

95th percentile per-packet one-way delay: 140.614 ms

Loss rate: 3.34%

Run 1: Report of TCP Vegas — Data Link

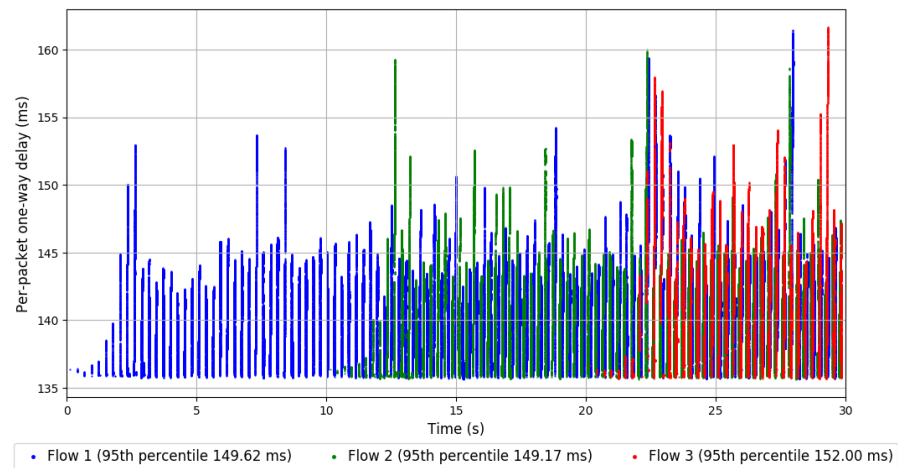
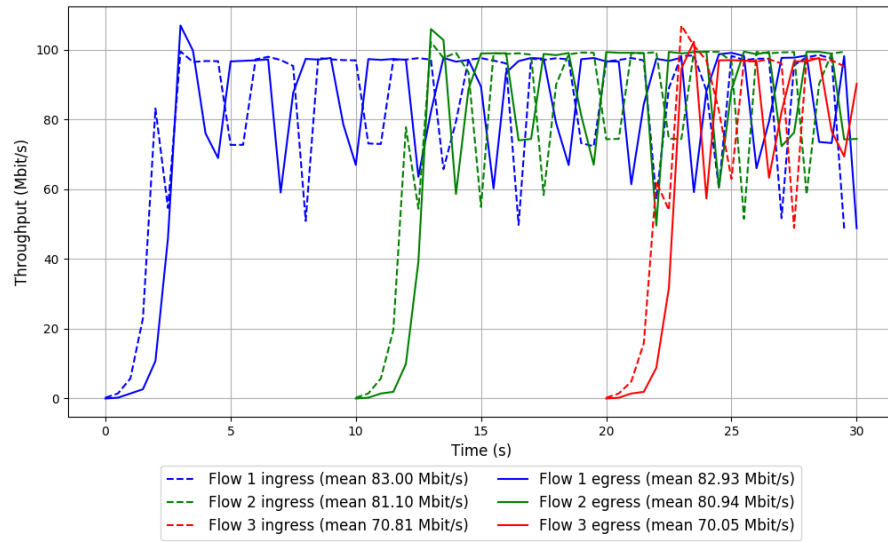


Run 2: Statistics of TCP Vegas

Start at: 2018-07-05 05:54:39
End at: 2018-07-05 05:55:09
Local clock offset: -0.308 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.75 Mbit/s
95th percentile per-packet one-way delay: 149.807 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 149.619 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 149.169 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 70.05 Mbit/s
95th percentile per-packet one-way delay: 152.005 ms
Loss rate: 3.77%

Run 2: Report of TCP Vegas — Data Link

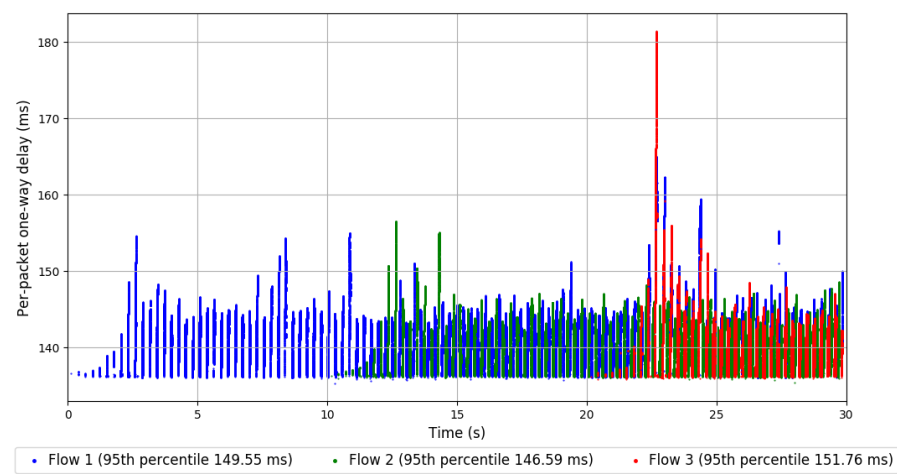
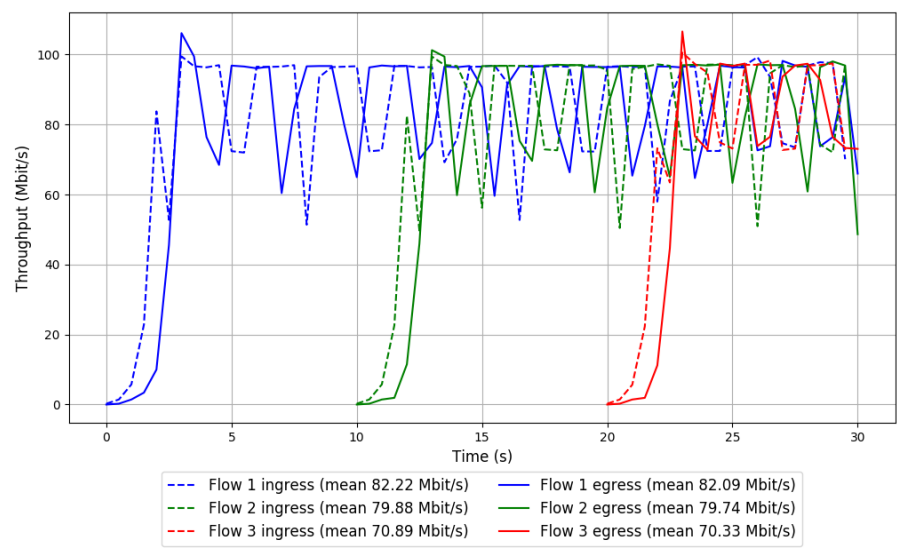


Run 3: Statistics of TCP Vegas

Start at: 2018-07-05 06:21:51
End at: 2018-07-05 06:22:21
Local clock offset: -0.235 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.54 Mbit/s
95th percentile per-packet one-way delay: 148.768 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 149.548 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 79.74 Mbit/s
95th percentile per-packet one-way delay: 146.589 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 70.33 Mbit/s
95th percentile per-packet one-way delay: 151.756 ms
Loss rate: 3.44%

Run 3: Report of TCP Vegas — Data Link

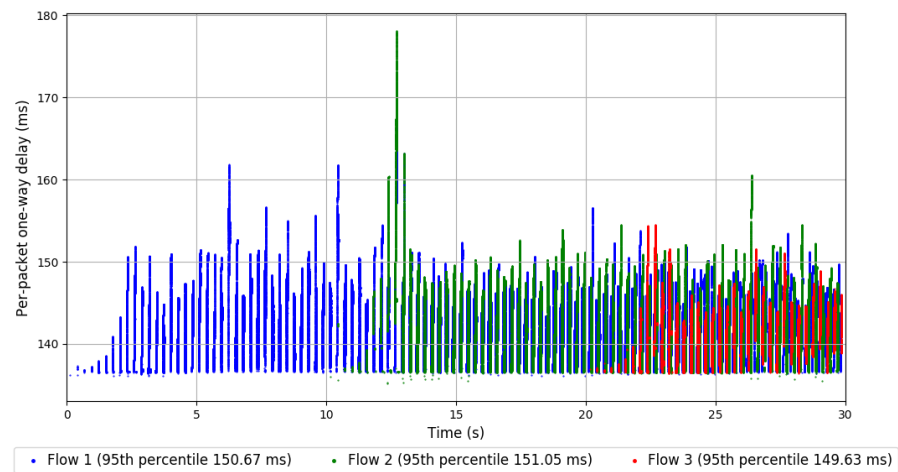
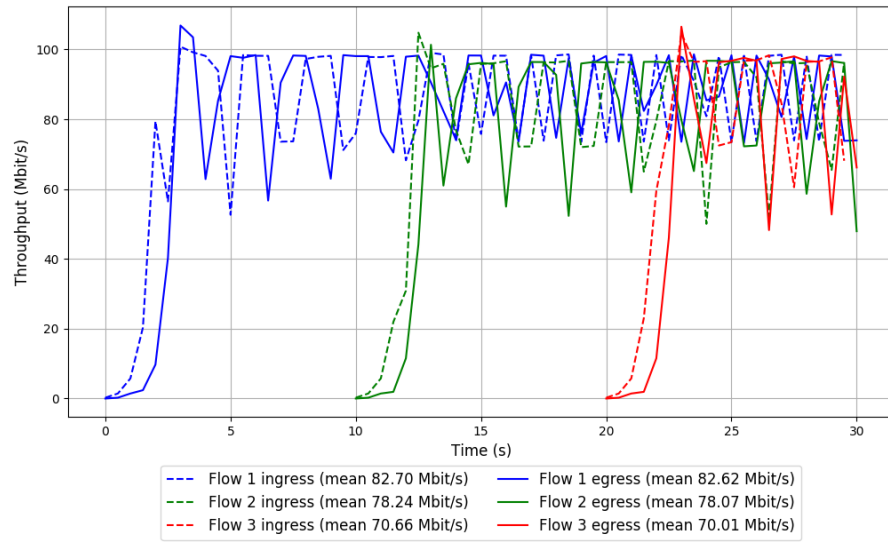


Run 4: Statistics of TCP Vegas

Start at: 2018-07-05 06:49:05
End at: 2018-07-05 06:49:35
Local clock offset: -0.01 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.79 Mbit/s
95th percentile per-packet one-way delay: 150.668 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 150.673 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 78.07 Mbit/s
95th percentile per-packet one-way delay: 151.049 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 149.634 ms
Loss rate: 3.64%

Run 4: Report of TCP Vegas — Data Link

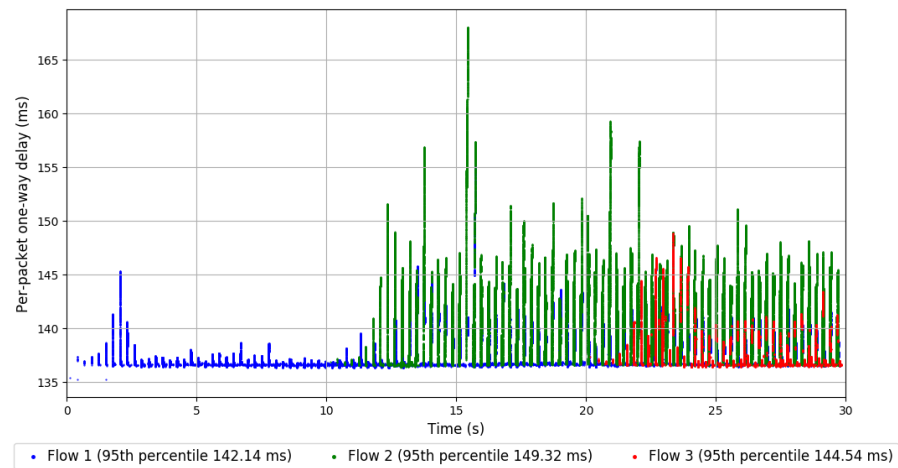
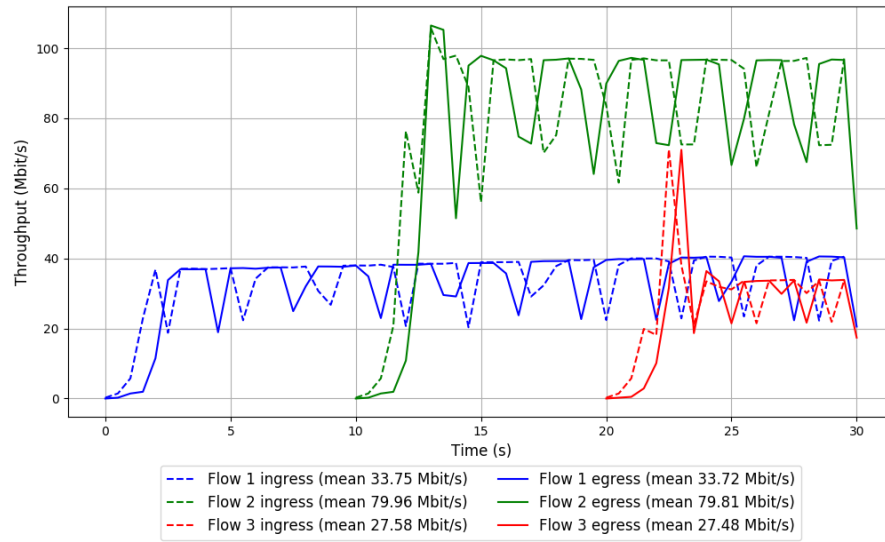


Run 5: Statistics of TCP Vegas

Start at: 2018-07-05 07:15:54
End at: 2018-07-05 07:16:24
Local clock offset: 0.135 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 147.091 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 142.142 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 149.321 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 144.543 ms
Loss rate: 3.10%

Run 5: Report of TCP Vegas — Data Link

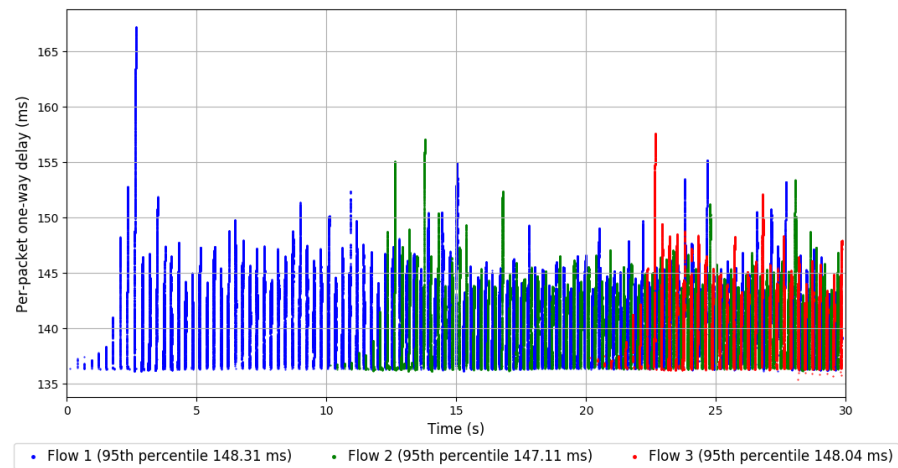
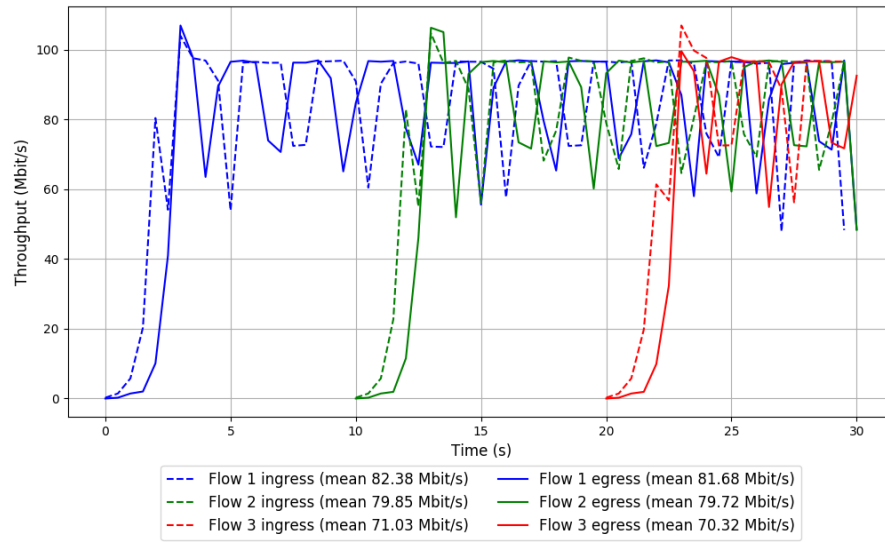


Run 6: Statistics of TCP Vegas

Start at: 2018-07-05 07:43:02
End at: 2018-07-05 07:43:32
Local clock offset: -0.172 ms
Remote clock offset: -0.469 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.20 Mbit/s
95th percentile per-packet one-way delay: 147.978 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 81.68 Mbit/s
95th percentile per-packet one-way delay: 148.312 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 147.110 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 148.043 ms
Loss rate: 3.70%

Run 6: Report of TCP Vegas — Data Link

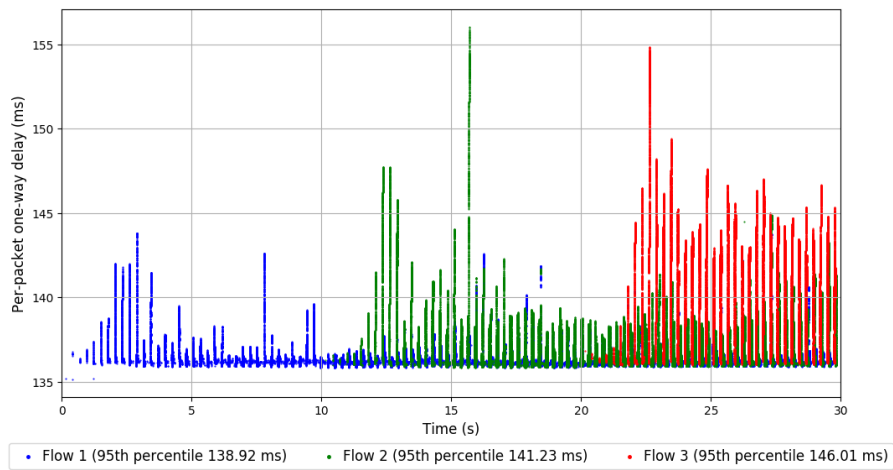
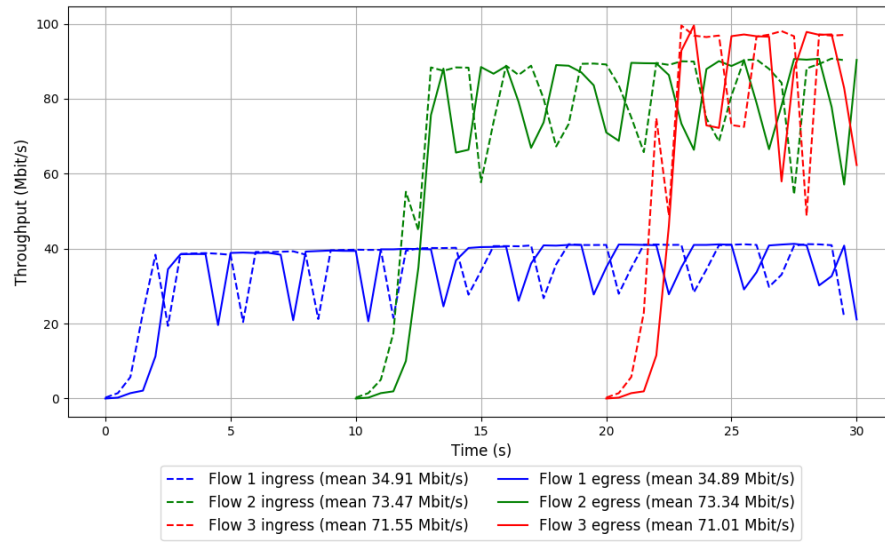


Run 7: Statistics of TCP Vegas

Start at: 2018-07-05 08:10:00
End at: 2018-07-05 08:10:30
Local clock offset: -0.041 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-05 12:02:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.50 Mbit/s
95th percentile per-packet one-way delay: 143.773 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 138.916 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 73.34 Mbit/s
95th percentile per-packet one-way delay: 141.228 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 146.015 ms
Loss rate: 3.44%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-05 08:37:00

End at: 2018-07-05 08:37:30

Local clock offset: 0.059 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-05 12:02:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.16 Mbit/s

95th percentile per-packet one-way delay: 148.782 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 82.55 Mbit/s

95th percentile per-packet one-way delay: 149.166 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 79.76 Mbit/s

95th percentile per-packet one-way delay: 147.940 ms

Loss rate: 1.53%

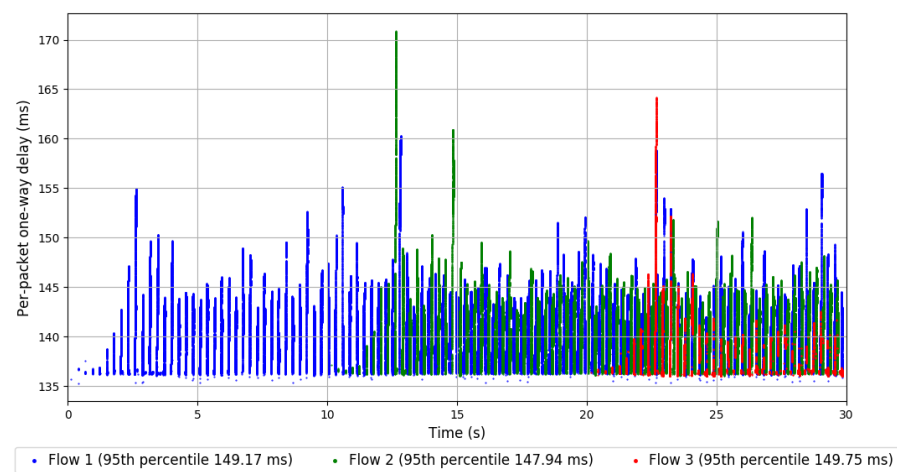
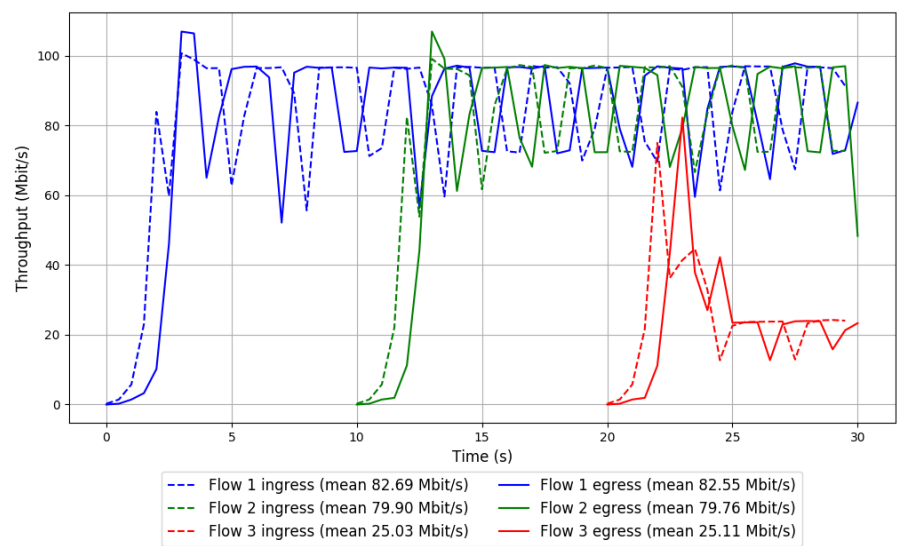
-- Flow 3:

Average throughput: 25.11 Mbit/s

95th percentile per-packet one-way delay: 149.748 ms

Loss rate: 2.45%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-05 09:03:53

End at: 2018-07-05 09:04:23

Local clock offset: 0.084 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-05 12:02:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.73 Mbit/s

95th percentile per-packet one-way delay: 146.326 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 82.48 Mbit/s

95th percentile per-packet one-way delay: 146.288 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 79.07 Mbit/s

95th percentile per-packet one-way delay: 146.361 ms

Loss rate: 1.54%

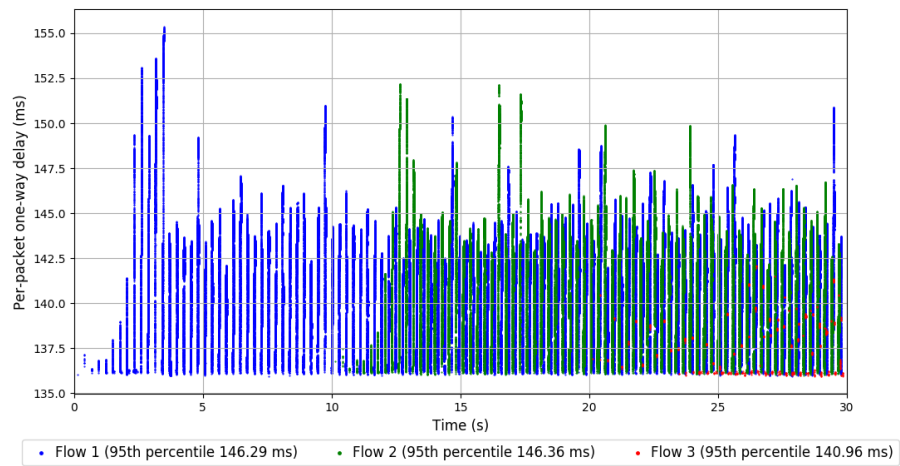
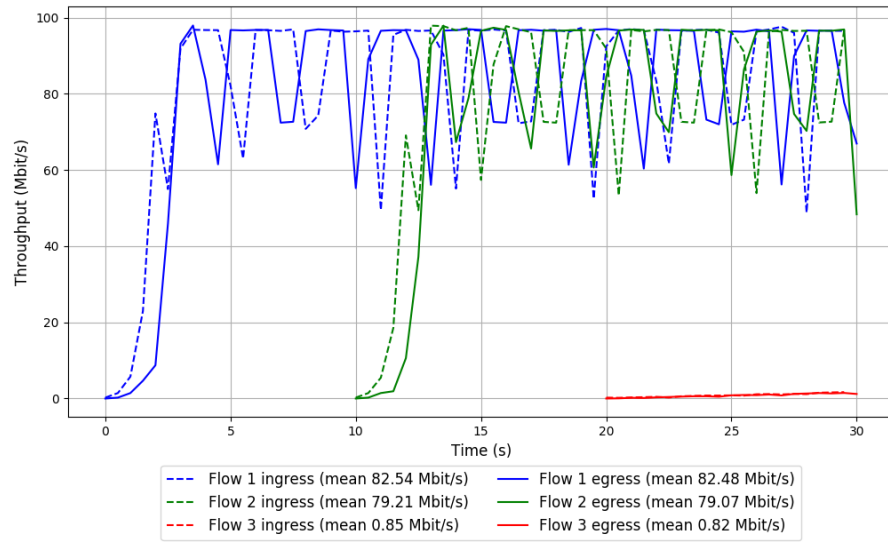
-- Flow 3:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 140.959 ms

Loss rate: 6.26%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-05 09:30:55

End at: 2018-07-05 09:31:25

Local clock offset: 0.014 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-07-05 12:02:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.11 Mbit/s

95th percentile per-packet one-way delay: 146.576 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 76.76 Mbit/s

95th percentile per-packet one-way delay: 146.662 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 79.60 Mbit/s

95th percentile per-packet one-way delay: 147.584 ms

Loss rate: 1.52%

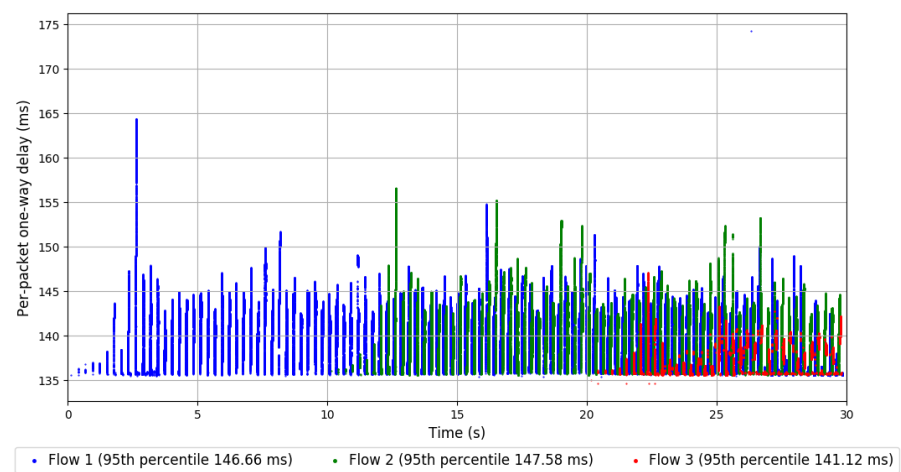
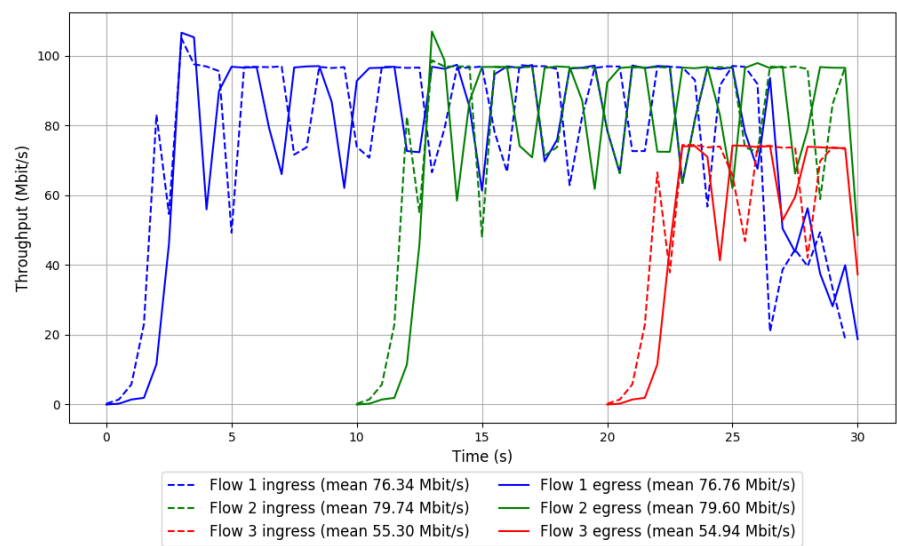
-- Flow 3:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 141.123 ms

Loss rate: 3.35%

Run 10: Report of TCP Vegas — Data Link

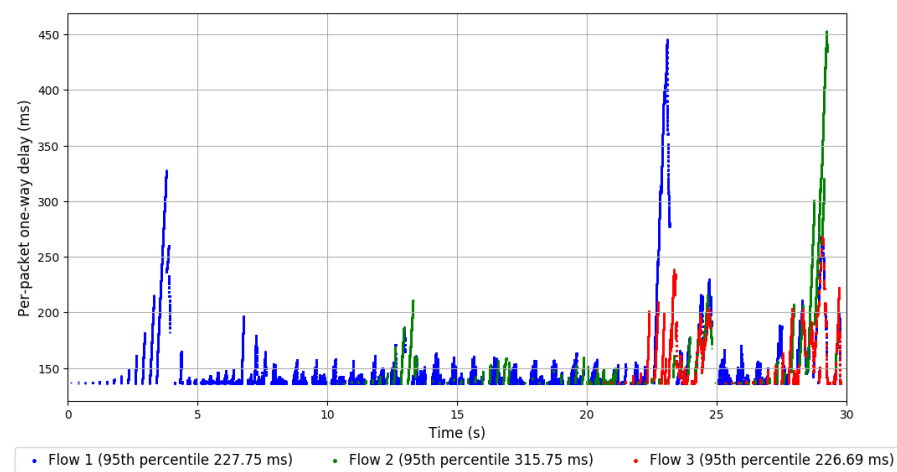
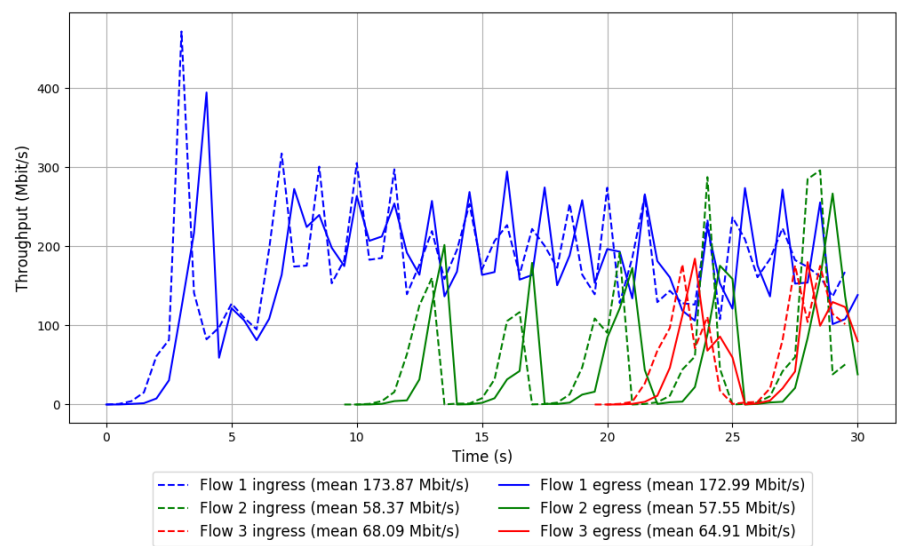


Run 1: Statistics of Verus

Start at: 2018-07-05 05:12:14
End at: 2018-07-05 05:12:44
Local clock offset: 0.041 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-05 12:02:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.20 Mbit/s
95th percentile per-packet one-way delay: 240.867 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 172.99 Mbit/s
95th percentile per-packet one-way delay: 227.749 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 315.749 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 226.695 ms
Loss rate: 7.30%

Run 1: Report of Verus — Data Link

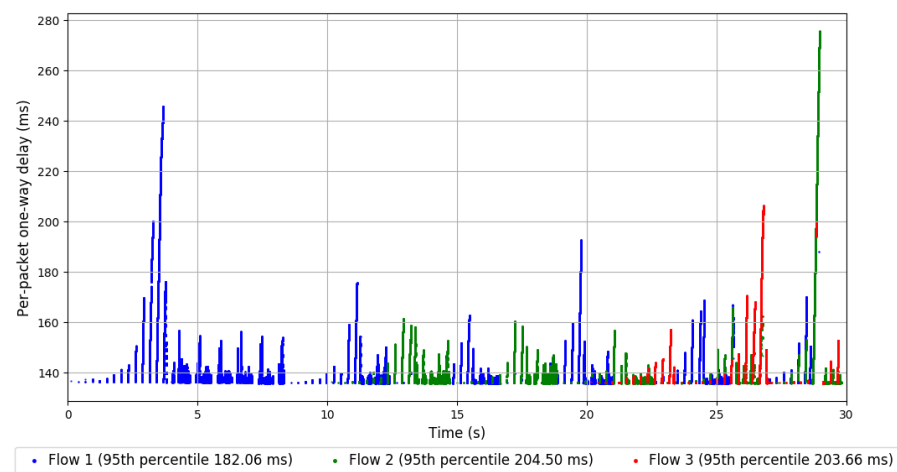
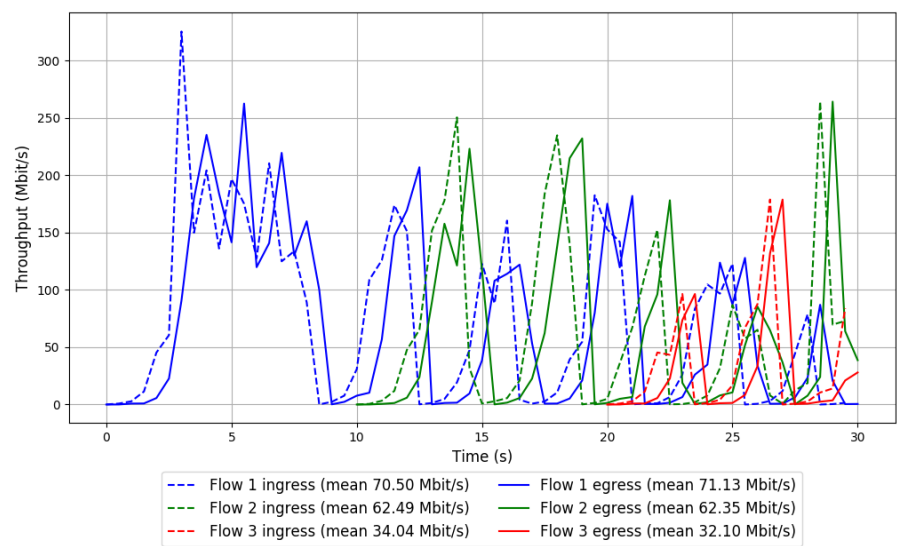


Run 2: Statistics of Verus

Start at: 2018-07-05 05:39:26
End at: 2018-07-05 05:39:56
Local clock offset: -0.025 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-05 12:02:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.64 Mbit/s
95th percentile per-packet one-way delay: 191.156 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 182.058 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 204.499 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 203.655 ms
Loss rate: 8.38%

Run 2: Report of Verus — Data Link

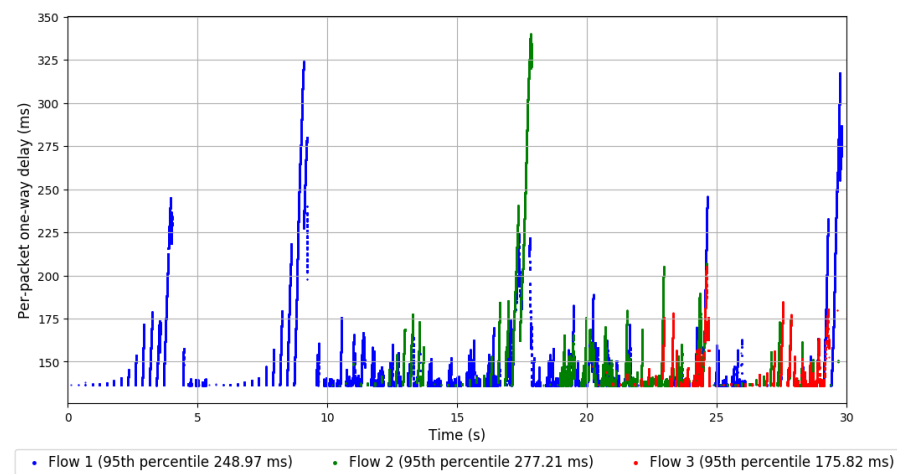
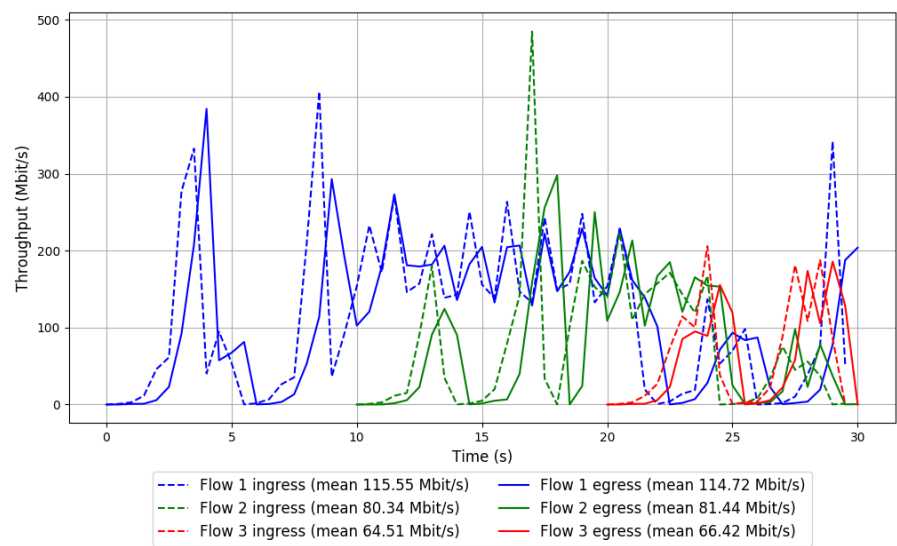


Run 3: Statistics of Verus

Start at: 2018-07-05 06:06:42
End at: 2018-07-05 06:07:12
Local clock offset: -0.085 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-07-05 12:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 189.40 Mbit/s
95th percentile per-packet one-way delay: 245.847 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 114.72 Mbit/s
95th percentile per-packet one-way delay: 248.967 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 277.206 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 66.42 Mbit/s
95th percentile per-packet one-way delay: 175.817 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link

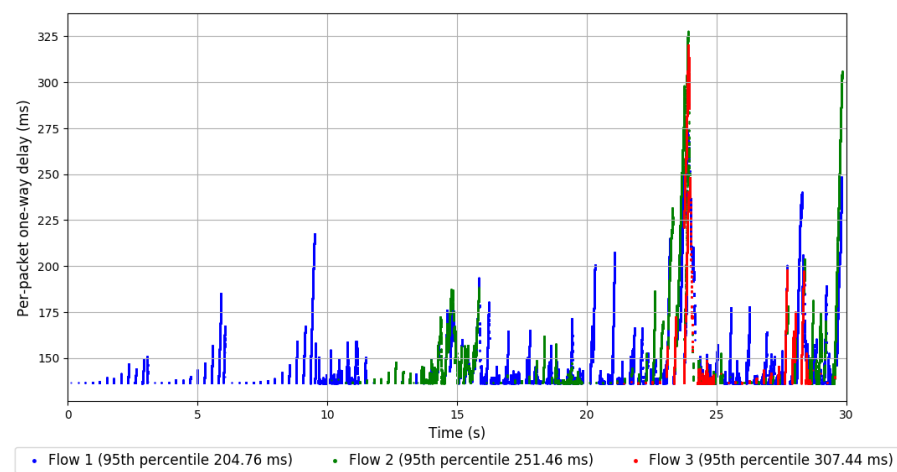
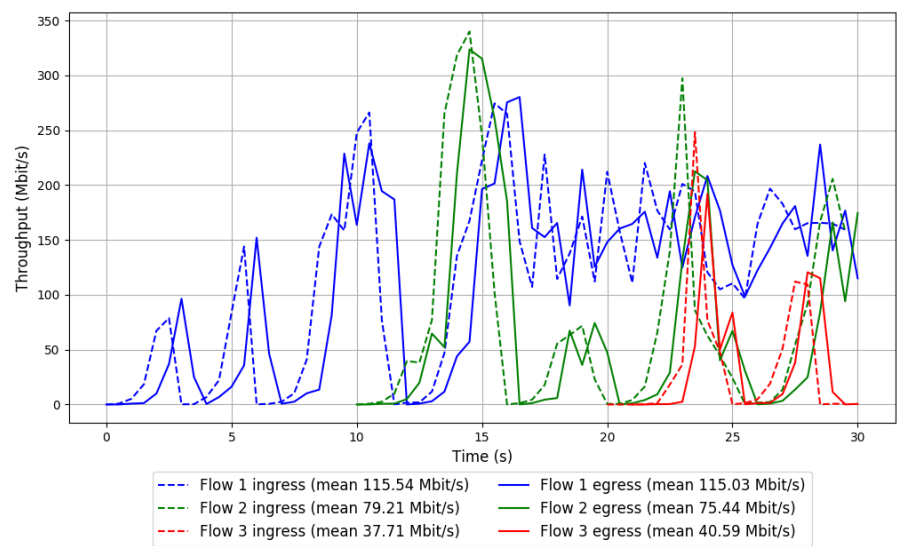


Run 4: Statistics of Verus

Start at: 2018-07-05 06:33:50
End at: 2018-07-05 06:34:20
Local clock offset: -0.069 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-05 12:03:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.47 Mbit/s
95th percentile per-packet one-way delay: 226.214 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 115.03 Mbit/s
95th percentile per-packet one-way delay: 204.759 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 251.457 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 307.438 ms
Loss rate: 6.52%

Run 4: Report of Verus — Data Link

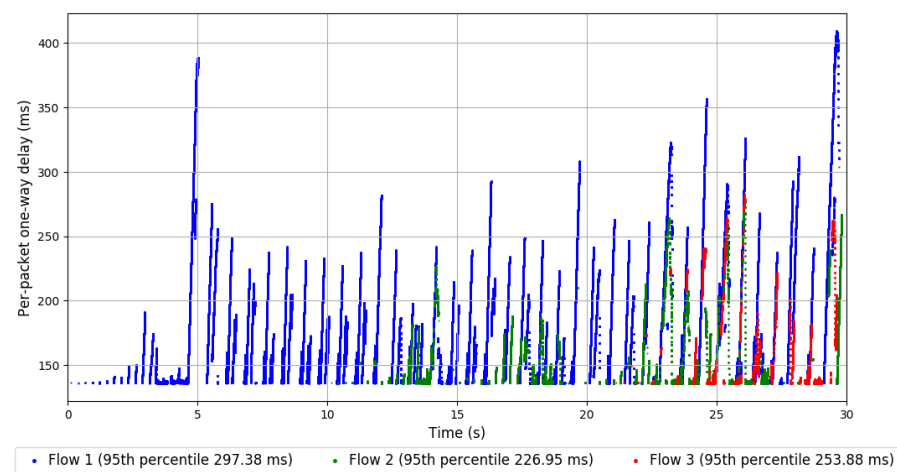
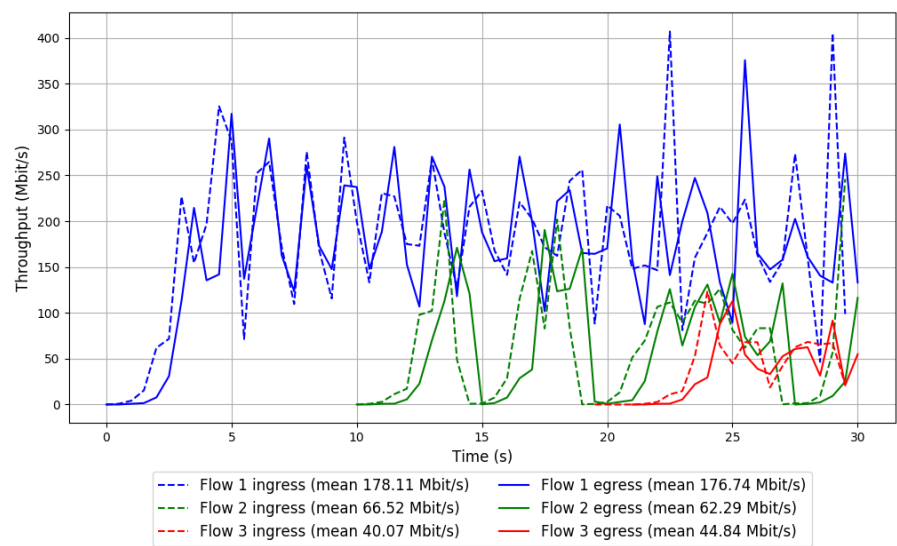


Run 5: Statistics of Verus

Start at: 2018-07-05 07:00:46
End at: 2018-07-05 07:01:16
Local clock offset: -0.309 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-05 12:05:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 284.071 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 176.74 Mbit/s
95th percentile per-packet one-way delay: 297.382 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 62.29 Mbit/s
95th percentile per-packet one-way delay: 226.952 ms
Loss rate: 6.29%
-- Flow 3:
Average throughput: 44.84 Mbit/s
95th percentile per-packet one-way delay: 253.882 ms
Loss rate: 4.50%

Run 5: Report of Verus — Data Link

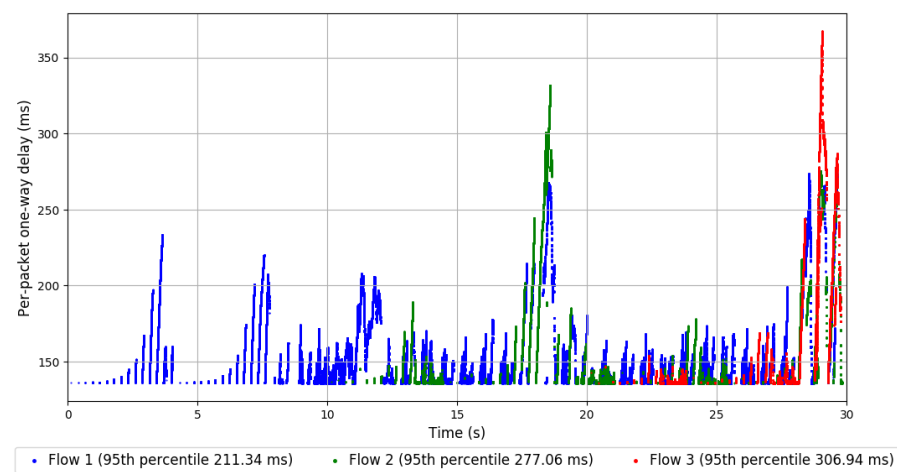
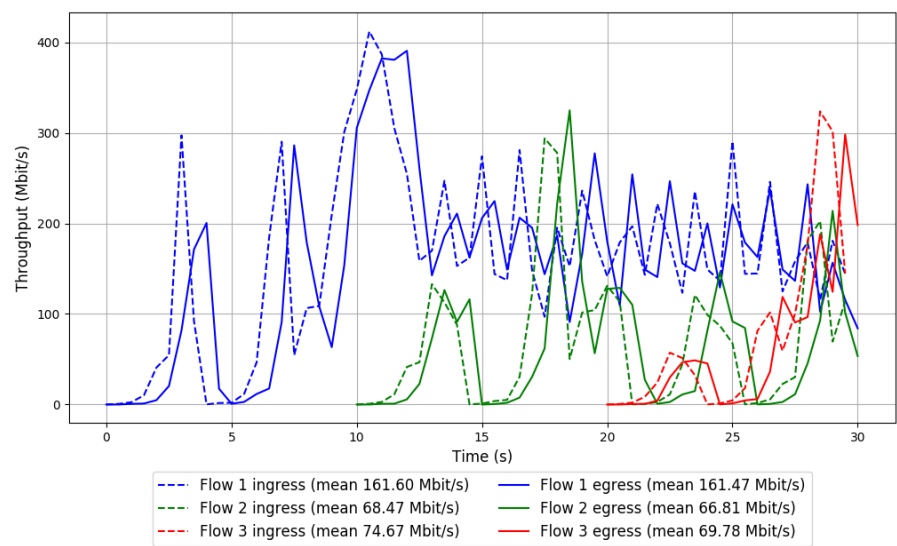


Run 6: Statistics of Verus

Start at: 2018-07-05 07:27:47
End at: 2018-07-05 07:28:17
Local clock offset: -0.235 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-05 12:05:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.34 Mbit/s
95th percentile per-packet one-way delay: 254.293 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 161.47 Mbit/s
95th percentile per-packet one-way delay: 211.345 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 277.064 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 306.943 ms
Loss rate: 10.00%

Run 6: Report of Verus — Data Link

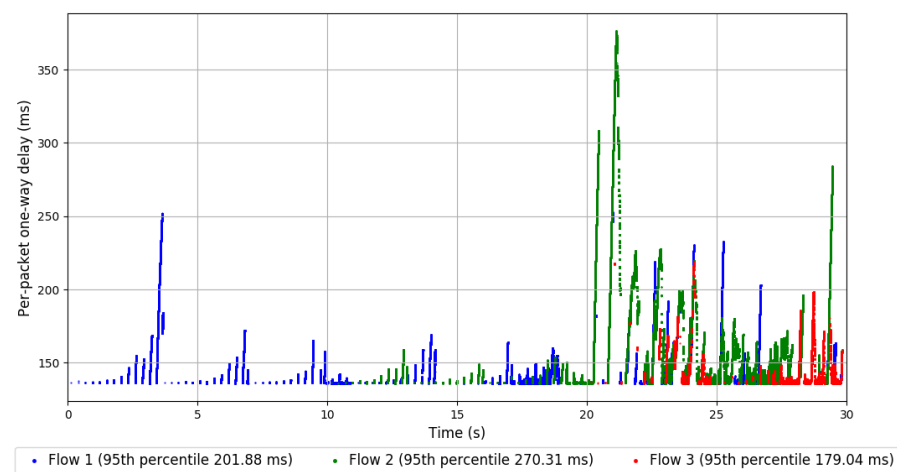
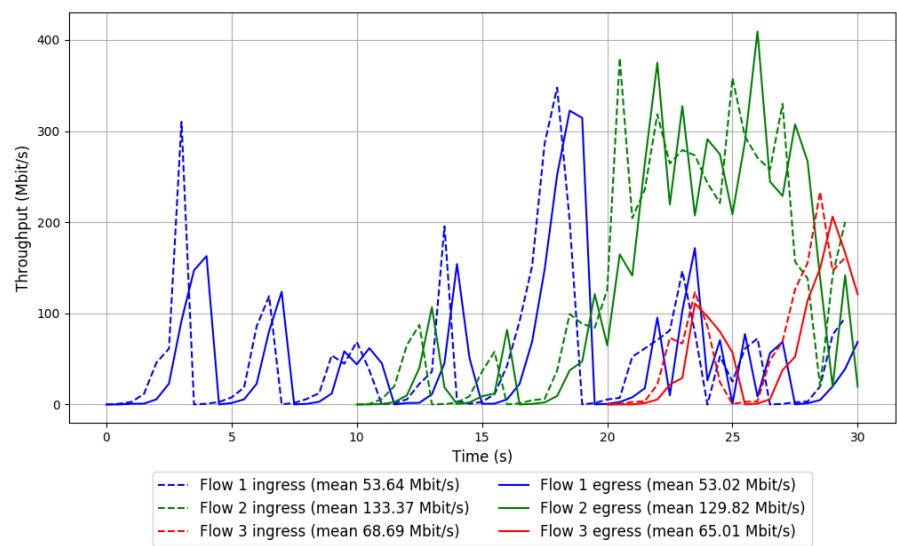


Run 7: Statistics of Verus

Start at: 2018-07-05 07:54:51
End at: 2018-07-05 07:55:21
Local clock offset: -0.224 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-05 12:05:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.24 Mbit/s
95th percentile per-packet one-way delay: 225.143 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 53.02 Mbit/s
95th percentile per-packet one-way delay: 201.885 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 129.82 Mbit/s
95th percentile per-packet one-way delay: 270.311 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 179.041 ms
Loss rate: 6.93%

Run 7: Report of Verus — Data Link

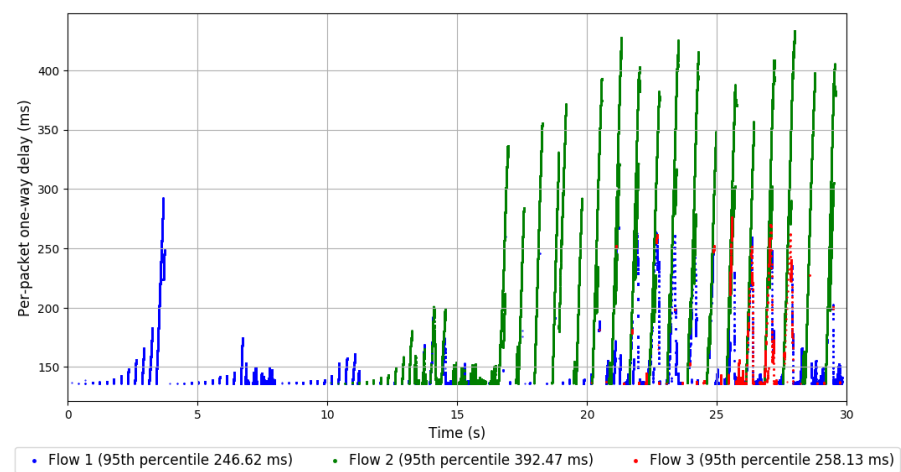
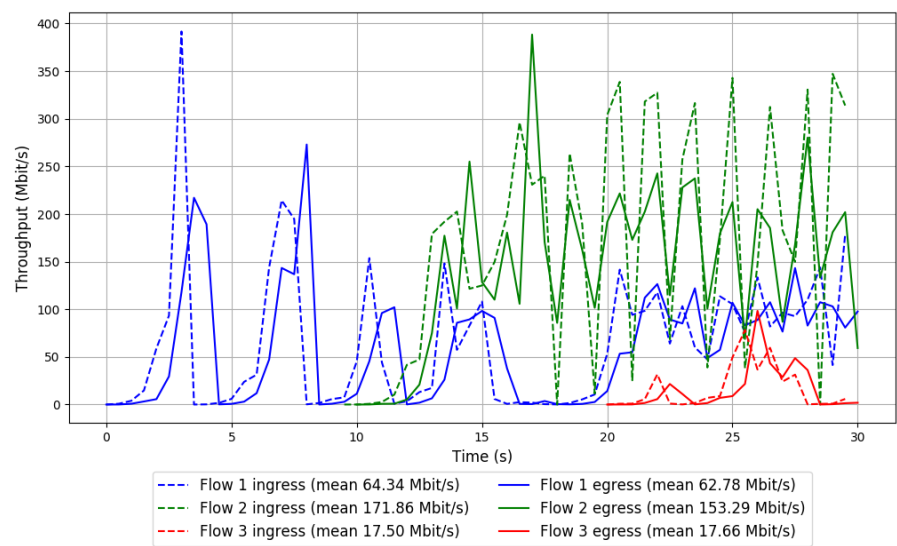


Run 8: Statistics of Verus

Start at: 2018-07-05 08:21:48
End at: 2018-07-05 08:22:18
Local clock offset: -0.054 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-07-05 12:05:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.86 Mbit/s
95th percentile per-packet one-way delay: 379.203 ms
Loss rate: 9.17%
-- Flow 1:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 246.620 ms
Loss rate: 3.29%
-- Flow 2:
Average throughput: 153.29 Mbit/s
95th percentile per-packet one-way delay: 392.473 ms
Loss rate: 12.85%
-- Flow 3:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 258.133 ms
Loss rate: 1.88%

Run 8: Report of Verus — Data Link

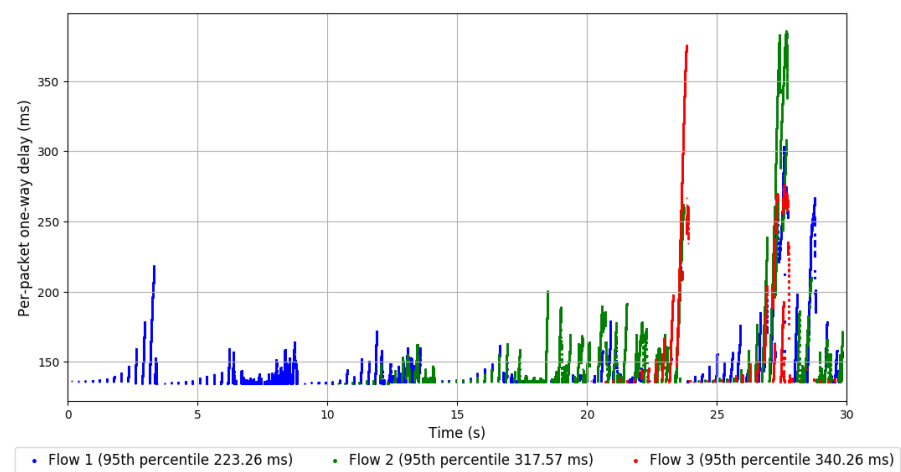
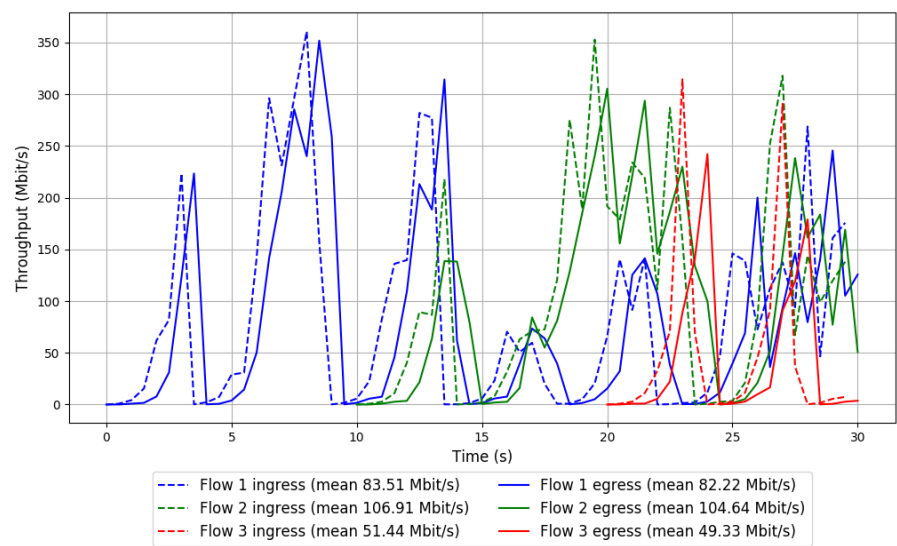


Run 9: Statistics of Verus

Start at: 2018-07-05 08:48:38
End at: 2018-07-05 08:49:08
Local clock offset: 0.022 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-05 12:05:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.22 Mbit/s
95th percentile per-packet one-way delay: 264.727 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 223.259 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 104.64 Mbit/s
95th percentile per-packet one-way delay: 317.575 ms
Loss rate: 3.44%
-- Flow 3:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 340.260 ms
Loss rate: 6.83%

Run 9: Report of Verus — Data Link

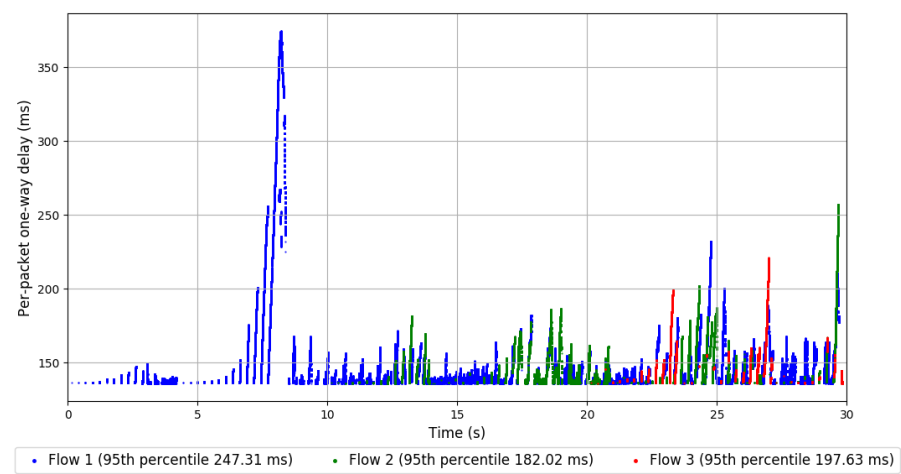
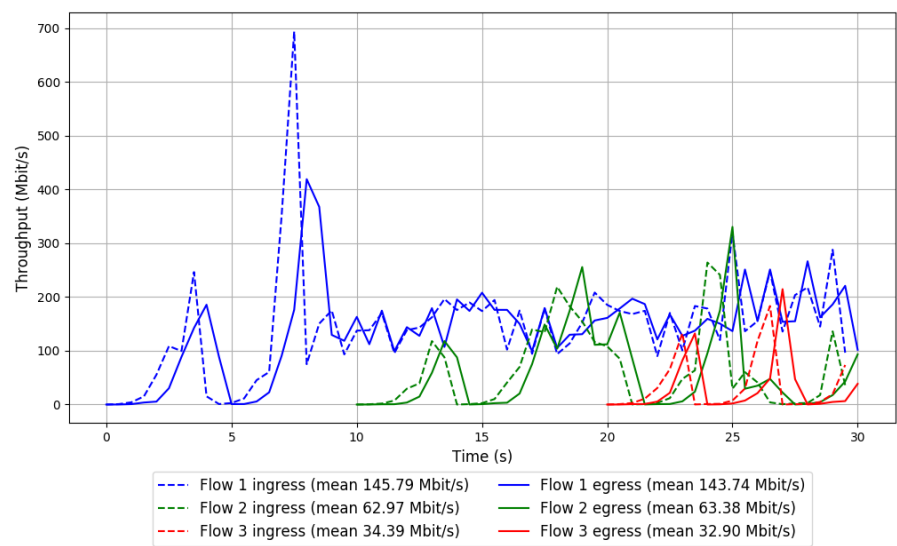


Run 10: Statistics of Verus

Start at: 2018-07-05 09:15:48
End at: 2018-07-05 09:16:18
Local clock offset: 0.281 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-05 12:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.57 Mbit/s
95th percentile per-packet one-way delay: 225.426 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 143.74 Mbit/s
95th percentile per-packet one-way delay: 247.310 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 182.017 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 32.90 Mbit/s
95th percentile per-packet one-way delay: 197.629 ms
Loss rate: 6.99%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-05 05:10:17

End at: 2018-07-05 05:10:47

Local clock offset: -0.018 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-05 12:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.99 Mbit/s

95th percentile per-packet one-way delay: 245.123 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 337.39 Mbit/s

95th percentile per-packet one-way delay: 246.957 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 176.31 Mbit/s

95th percentile per-packet one-way delay: 257.361 ms

Loss rate: 2.48%

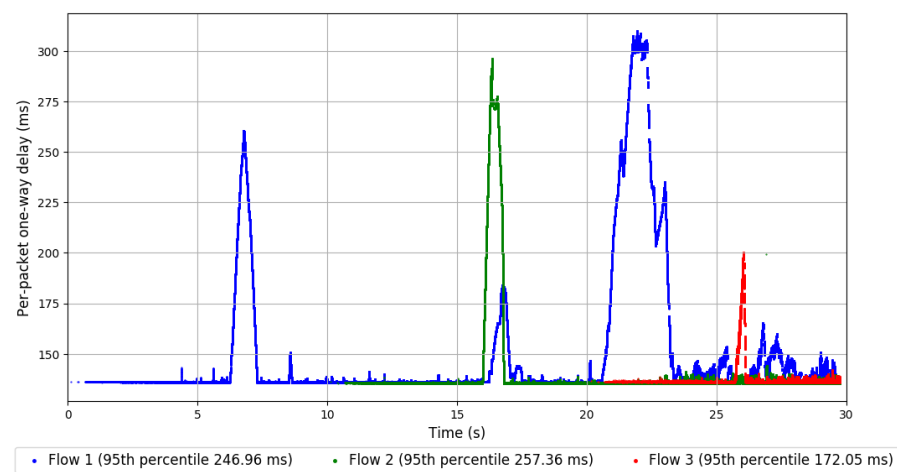
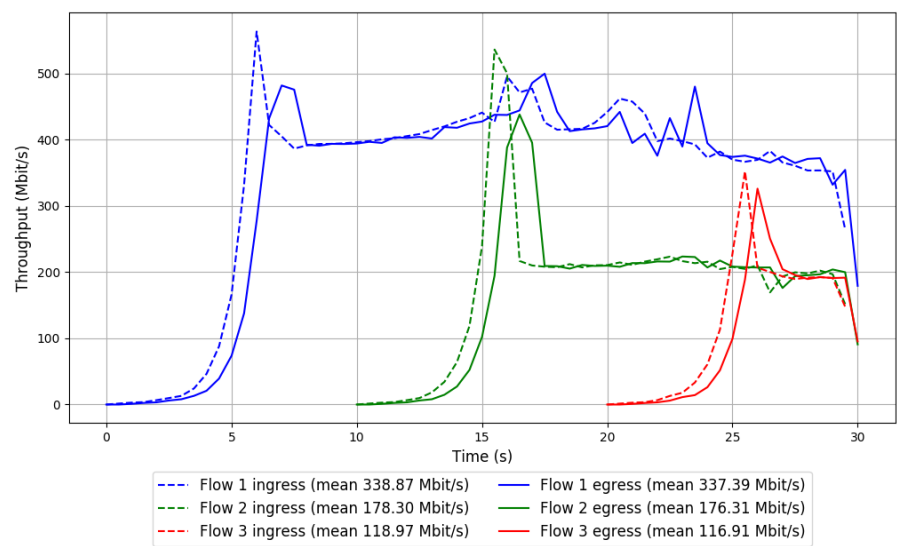
-- Flow 3:

Average throughput: 116.91 Mbit/s

95th percentile per-packet one-way delay: 172.048 ms

Loss rate: 4.46%

Run 1: Report of PCC-Vivace — Data Link

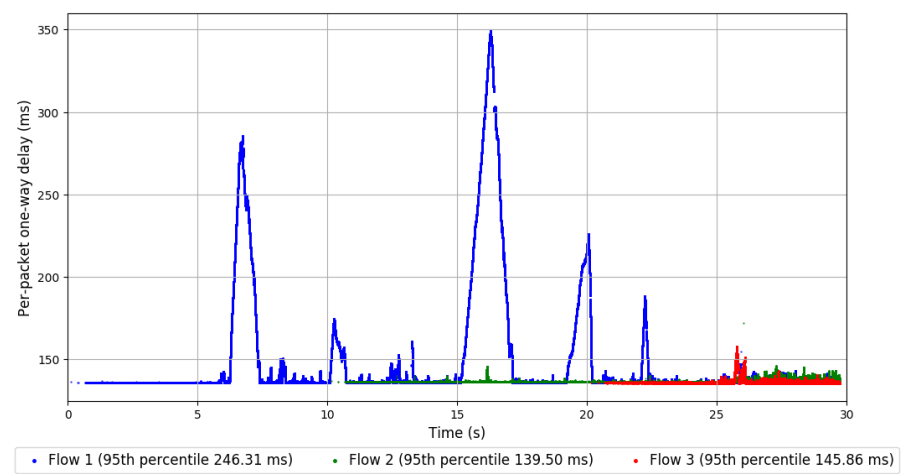
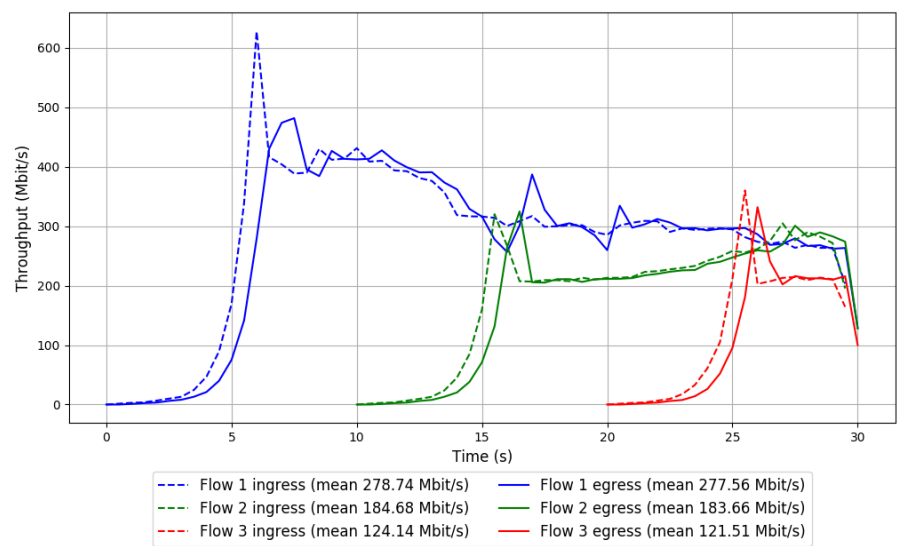


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-05 05:37:31
End at: 2018-07-05 05:38:01
Local clock offset: 0.161 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-05 12:12:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.43 Mbit/s
95th percentile per-packet one-way delay: 217.511 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 277.56 Mbit/s
95th percentile per-packet one-way delay: 246.312 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 183.66 Mbit/s
95th percentile per-packet one-way delay: 139.501 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 121.51 Mbit/s
95th percentile per-packet one-way delay: 145.860 ms
Loss rate: 4.82%

Run 2: Report of PCC-Vivace — Data Link

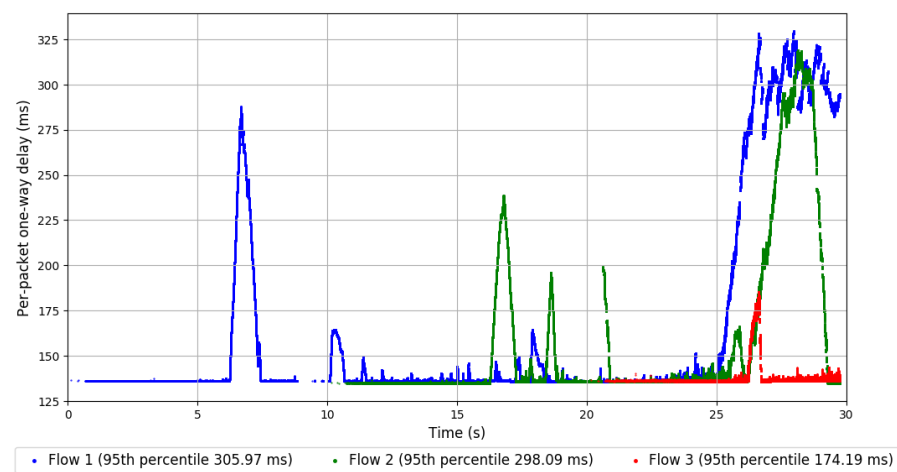
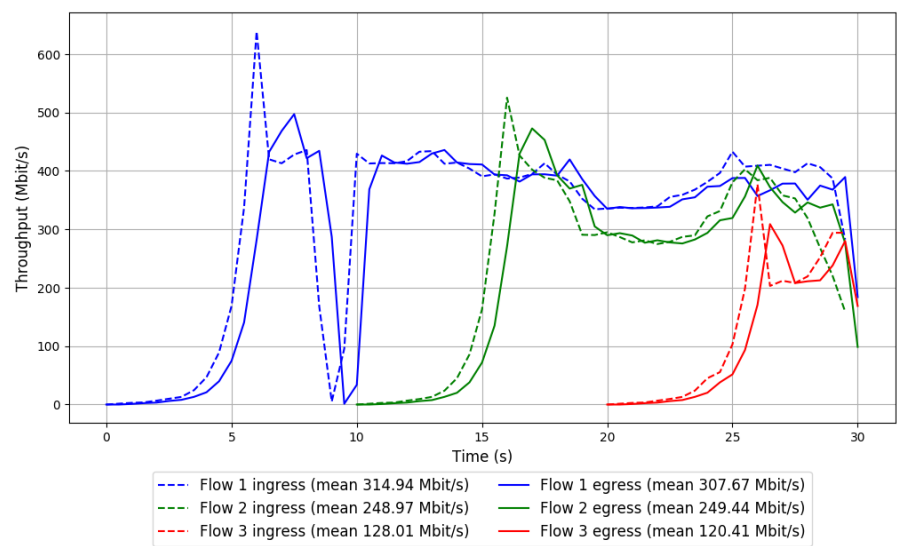


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-05 06:04:43
End at: 2018-07-05 06:05:13
Local clock offset: -0.088 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-05 12:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.75 Mbit/s
95th percentile per-packet one-way delay: 302.614 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 307.67 Mbit/s
95th percentile per-packet one-way delay: 305.970 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 249.44 Mbit/s
95th percentile per-packet one-way delay: 298.088 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 120.41 Mbit/s
95th percentile per-packet one-way delay: 174.190 ms
Loss rate: 8.55%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-05 06:31:52

End at: 2018-07-05 06:32:22

Local clock offset: -0.005 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-07-05 12:14:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 489.25 Mbit/s

95th percentile per-packet one-way delay: 238.264 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 307.19 Mbit/s

95th percentile per-packet one-way delay: 195.325 ms

Loss rate: 1.68%

-- Flow 2:

Average throughput: 217.53 Mbit/s

95th percentile per-packet one-way delay: 258.502 ms

Loss rate: 1.54%

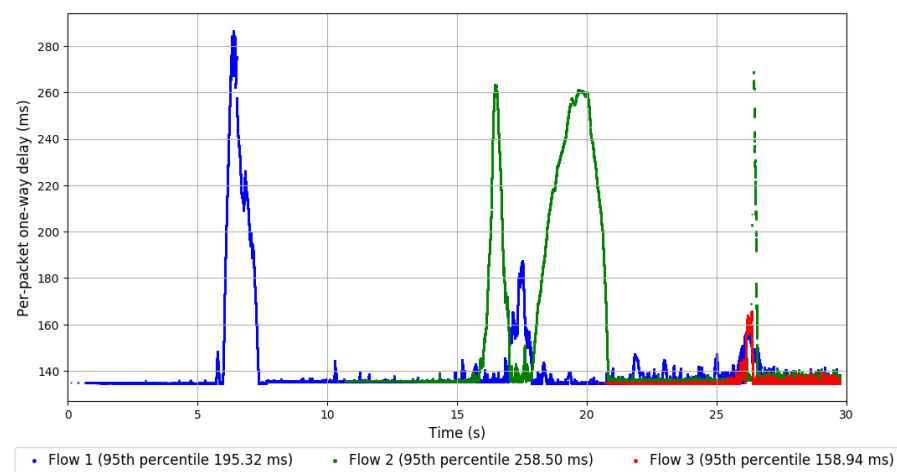
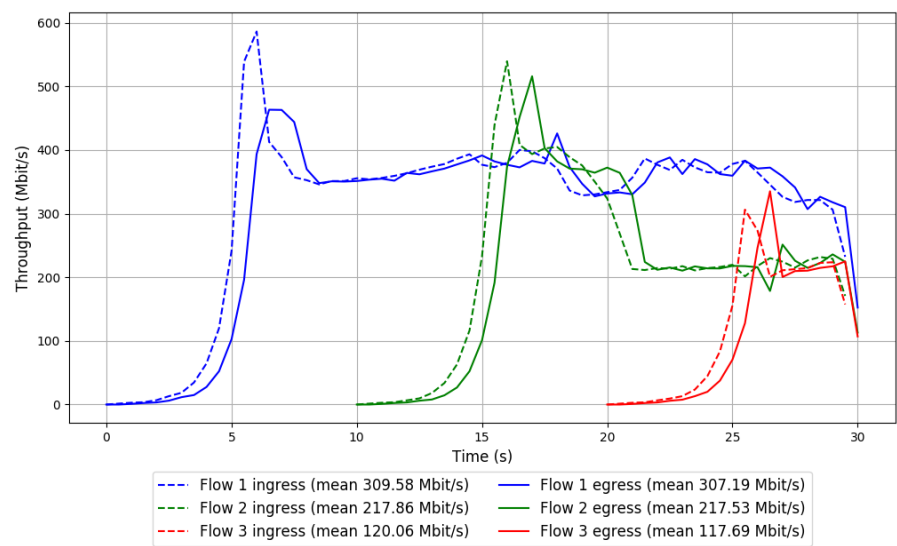
-- Flow 3:

Average throughput: 117.69 Mbit/s

95th percentile per-packet one-way delay: 158.944 ms

Loss rate: 4.69%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-05 06:58:58

End at: 2018-07-05 06:59:28

Local clock offset: -0.106 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-05 12:14:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.43 Mbit/s

95th percentile per-packet one-way delay: 224.407 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 271.48 Mbit/s

95th percentile per-packet one-way delay: 189.995 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 109.83 Mbit/s

95th percentile per-packet one-way delay: 307.358 ms

Loss rate: 5.24%

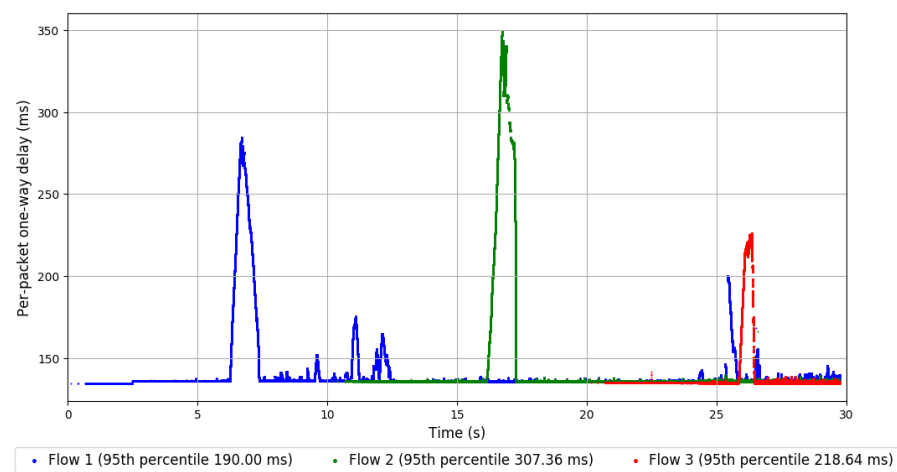
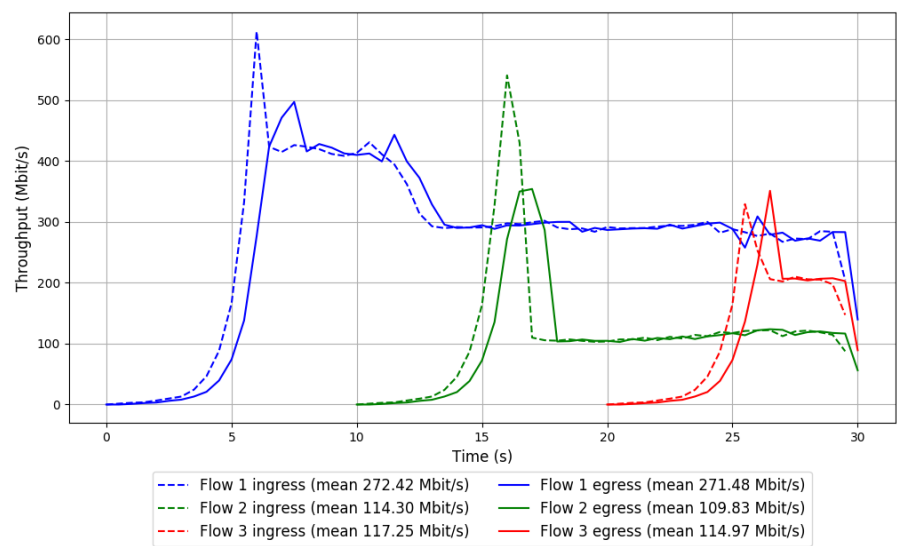
-- Flow 3:

Average throughput: 114.97 Mbit/s

95th percentile per-packet one-way delay: 218.640 ms

Loss rate: 4.65%

Run 5: Report of PCC-Vivace — Data Link

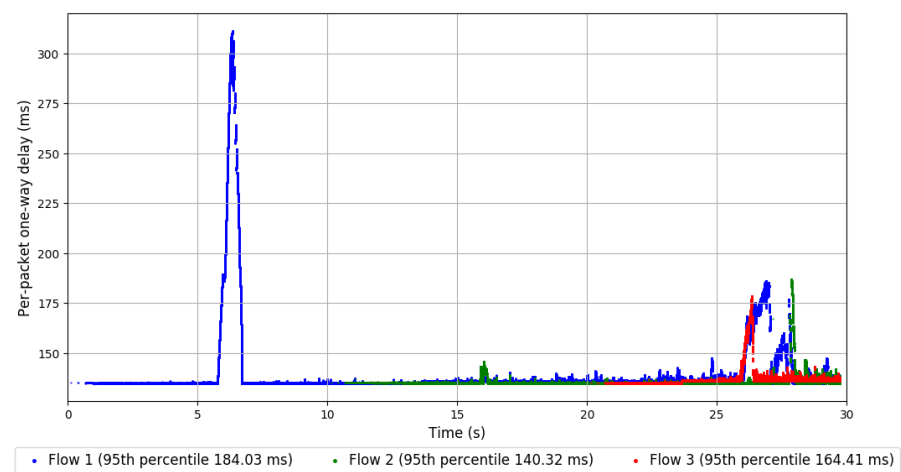
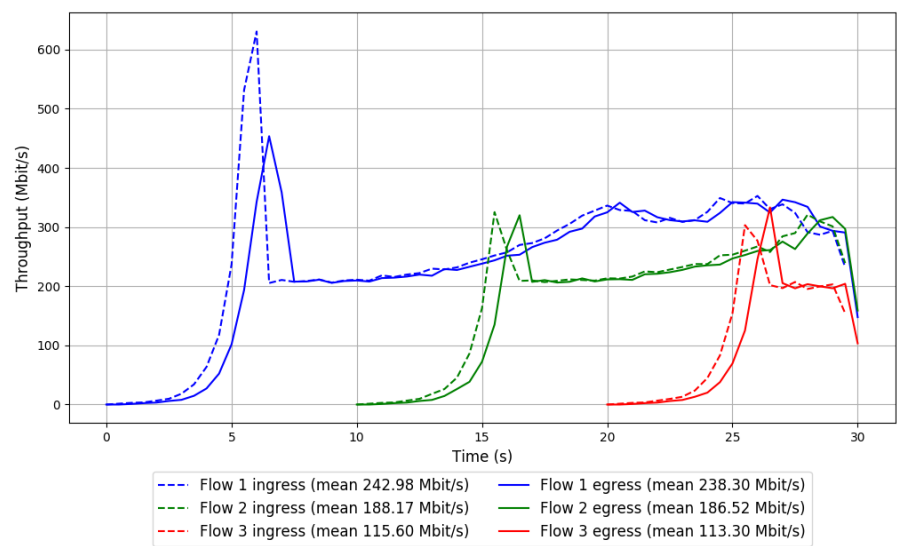


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-05 07:25:56
End at: 2018-07-05 07:26:27
Local clock offset: -0.073 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-05 12:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.47 Mbit/s
95th percentile per-packet one-way delay: 171.451 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 238.30 Mbit/s
95th percentile per-packet one-way delay: 184.027 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 186.52 Mbit/s
95th percentile per-packet one-way delay: 140.325 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 113.30 Mbit/s
95th percentile per-packet one-way delay: 164.407 ms
Loss rate: 4.69%

Run 6: Report of PCC-Vivace — Data Link

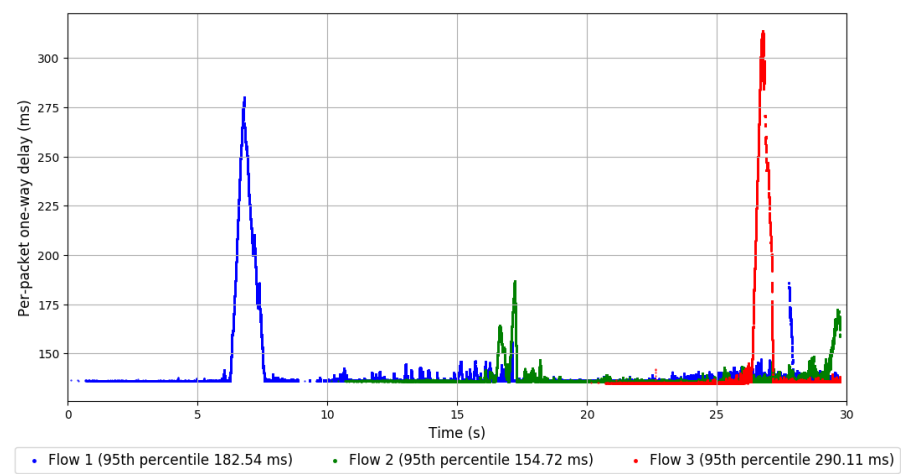
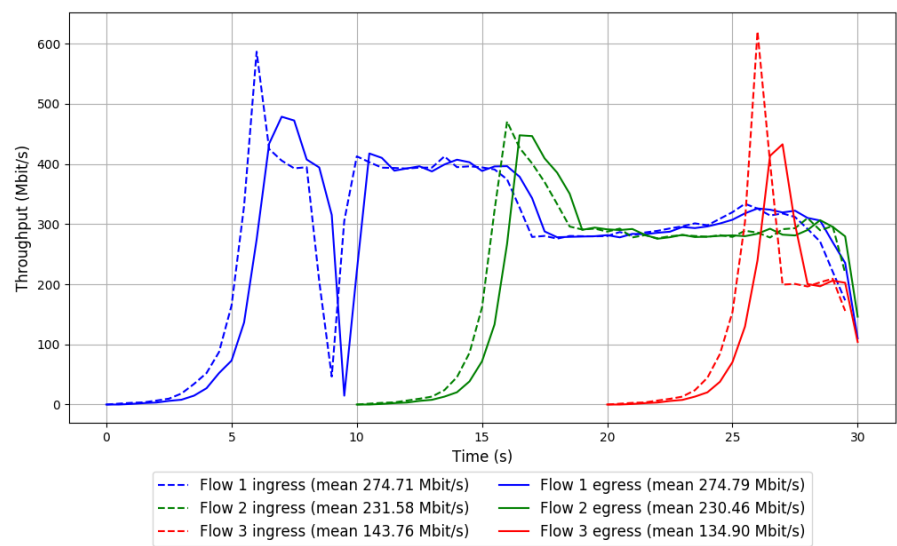


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-05 07:52:54
End at: 2018-07-05 07:53:24
Local clock offset: -0.217 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-05 12:14:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.02 Mbit/s
95th percentile per-packet one-way delay: 185.014 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 274.79 Mbit/s
95th percentile per-packet one-way delay: 182.543 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 230.46 Mbit/s
95th percentile per-packet one-way delay: 154.719 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 134.90 Mbit/s
95th percentile per-packet one-way delay: 290.110 ms
Loss rate: 8.75%

Run 7: Report of PCC-Vivace — Data Link

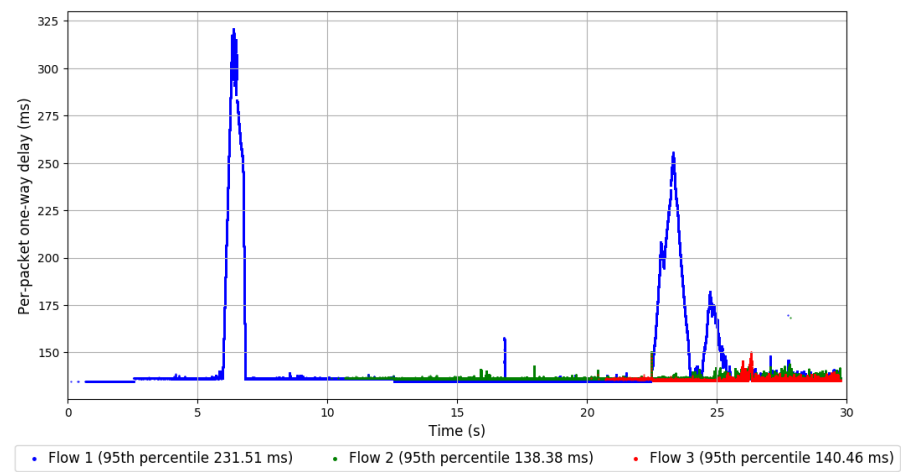
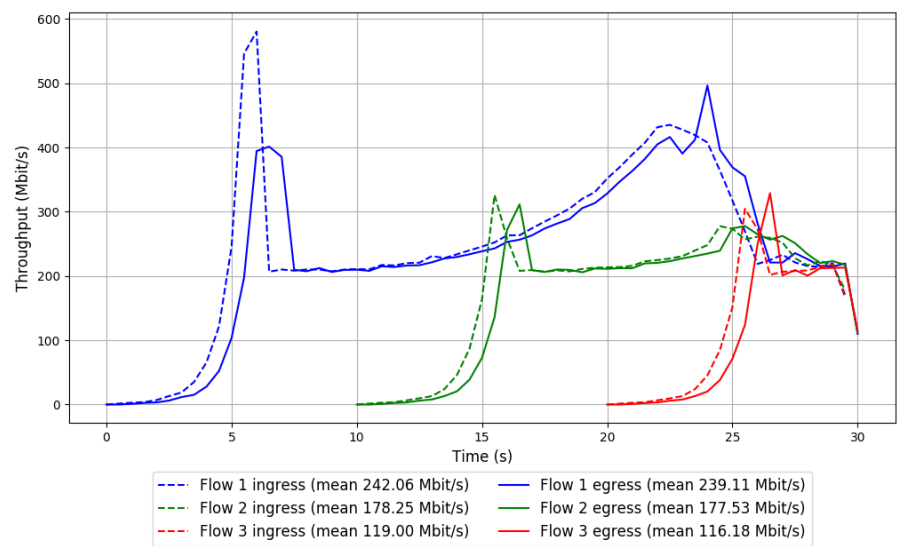


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-05 08:19:58
End at: 2018-07-05 08:20:28
Local clock offset: -0.013 ms
Remote clock offset: -0.093 ms

```
# Below is generated by plot.py at 2018-07-05 12:14:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 394.24 Mbit/s
95th percentile per-packet one-way delay: 201.982 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 239.11 Mbit/s
95th percentile per-packet one-way delay: 231.507 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 177.53 Mbit/s
95th percentile per-packet one-way delay: 138.385 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 116.18 Mbit/s
95th percentile per-packet one-way delay: 140.463 ms
Loss rate: 5.08%
```

Run 8: Report of PCC-Vivace — Data Link

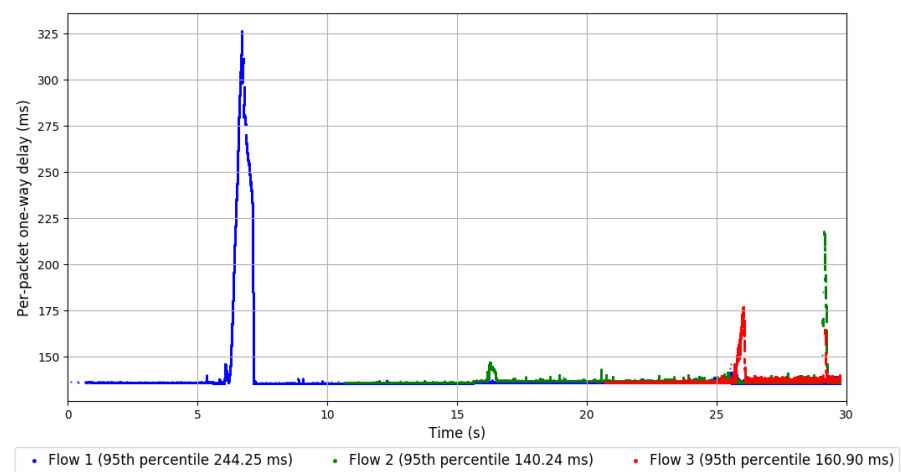
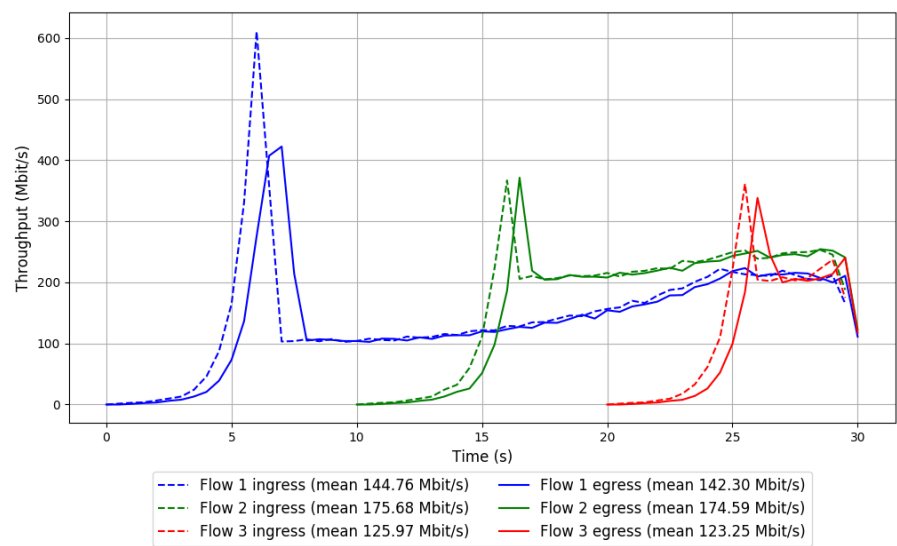


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-05 08:46:55
End at: 2018-07-05 08:47:25
Local clock offset: -0.026 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-05 12:15:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.81 Mbit/s
95th percentile per-packet one-way delay: 162.922 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 142.30 Mbit/s
95th percentile per-packet one-way delay: 244.250 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 174.59 Mbit/s
95th percentile per-packet one-way delay: 140.239 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 123.25 Mbit/s
95th percentile per-packet one-way delay: 160.898 ms
Loss rate: 4.85%

Run 9: Report of PCC-Vivace — Data Link

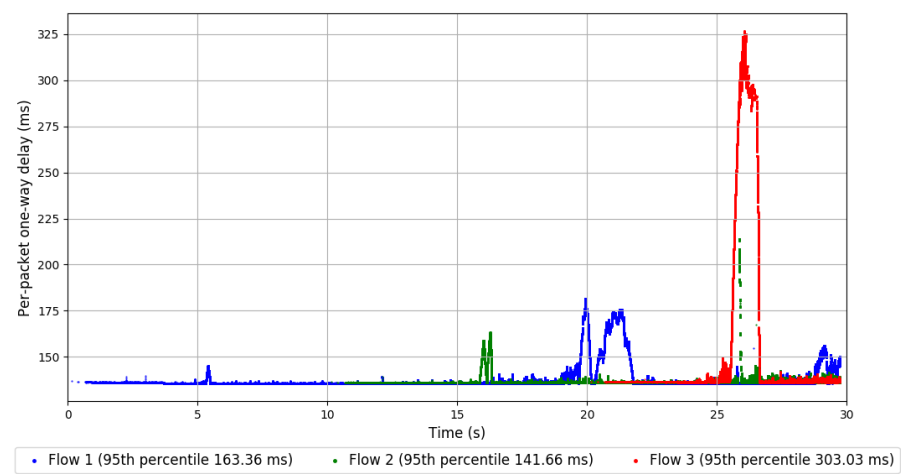
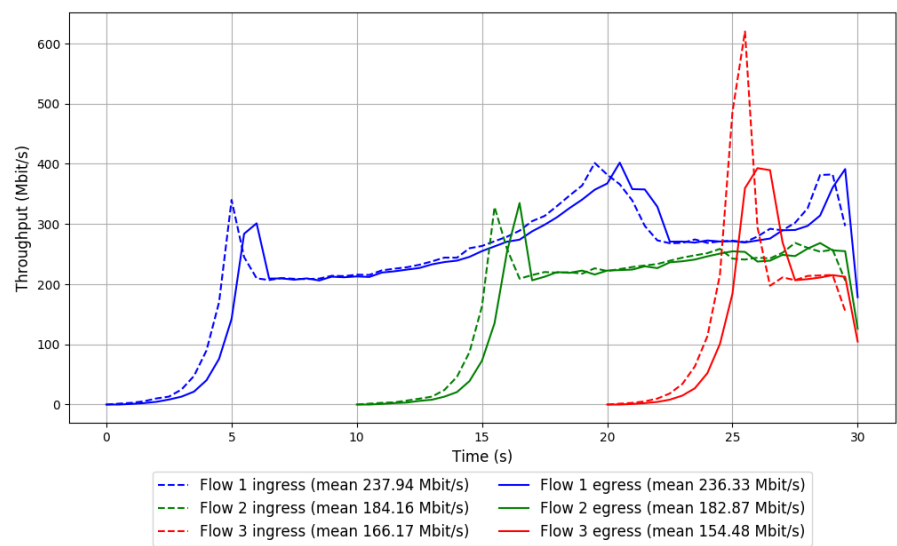


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-05 09:13:56
End at: 2018-07-05 09:14:26
Local clock offset: -0.073 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.50 Mbit/s
95th percentile per-packet one-way delay: 171.109 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 236.33 Mbit/s
95th percentile per-packet one-way delay: 163.357 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 182.87 Mbit/s
95th percentile per-packet one-way delay: 141.657 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 154.48 Mbit/s
95th percentile per-packet one-way delay: 303.031 ms
Loss rate: 9.61%

Run 10: Report of PCC-Vivace — Data Link

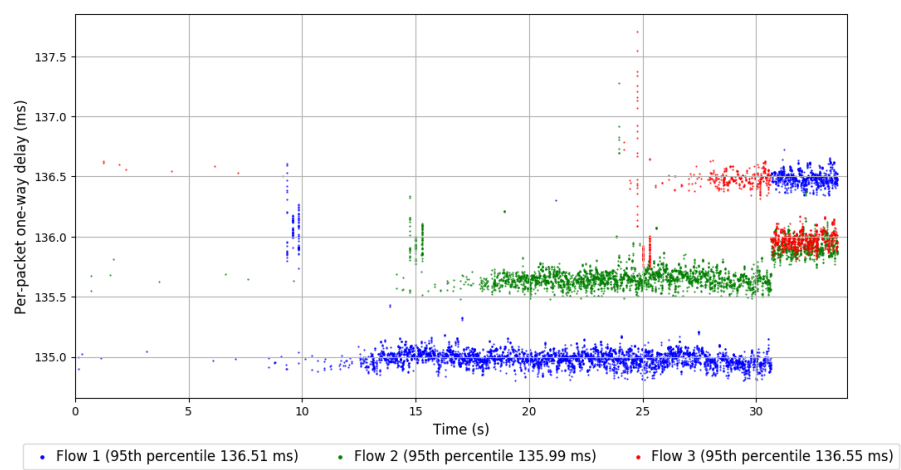
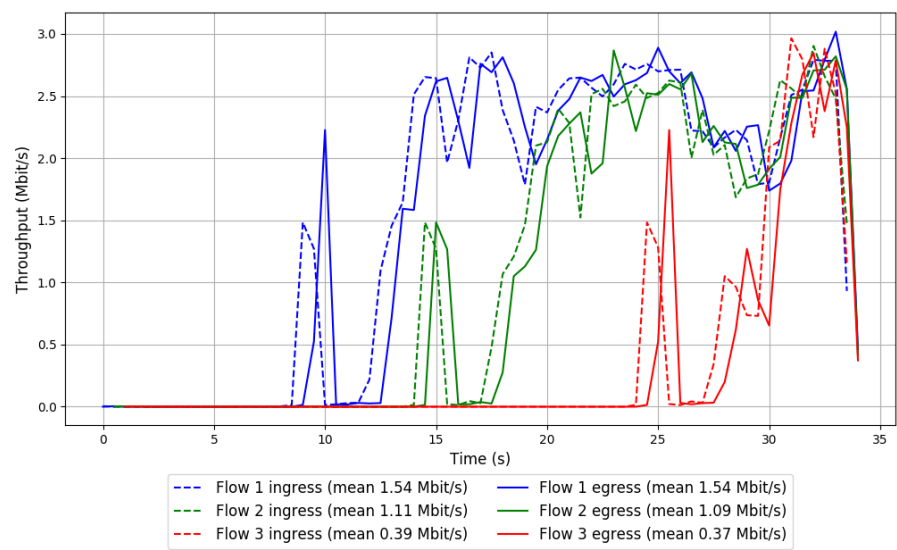


Run 1: Statistics of WebRTC media

Start at: 2018-07-05 05:06:03
End at: 2018-07-05 05:06:33
Local clock offset: -0.187 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 136.489 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 136.506 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 135.993 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.552 ms
Loss rate: 6.38%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-05 05:33:20

End at: 2018-07-05 05:33:50

Local clock offset: 0.116 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-05 12:15:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 136.042 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 135.997 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 136.085 ms

Loss rate: 2.15%

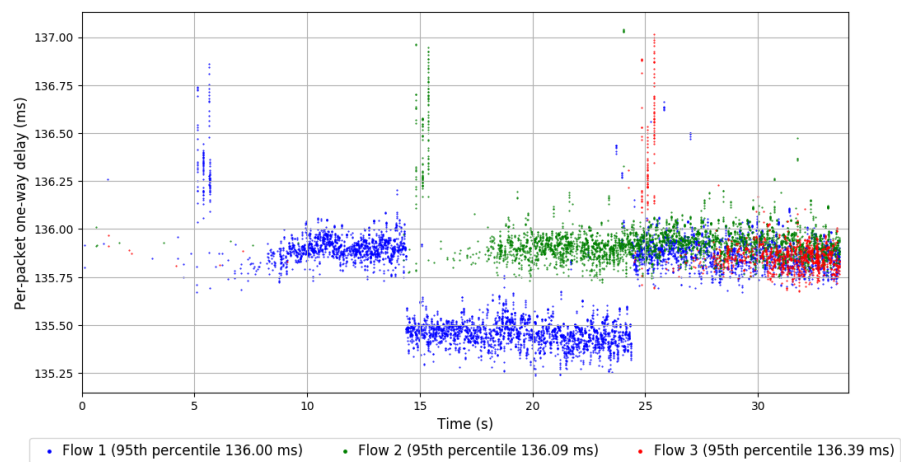
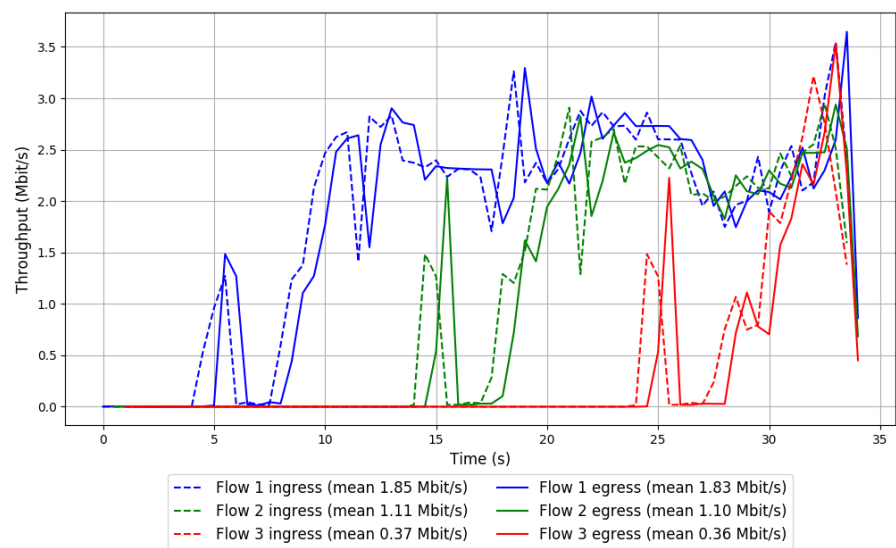
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.391 ms

Loss rate: 5.65%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-05 06:00:35

End at: 2018-07-05 06:01:05

Local clock offset: 0.088 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-07-05 12:15:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 136.308 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 135.998 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 136.346 ms

Loss rate: 2.21%

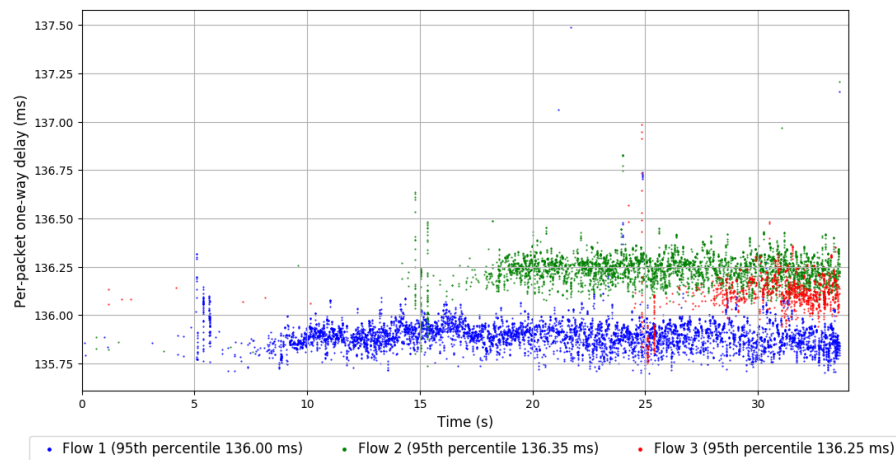
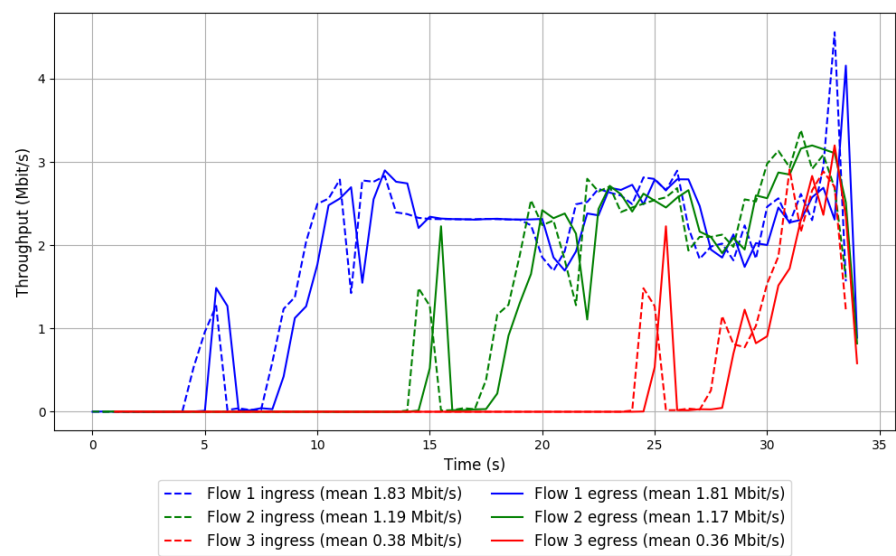
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 136.254 ms

Loss rate: 5.69%

Run 3: Report of WebRTC media — Data Link

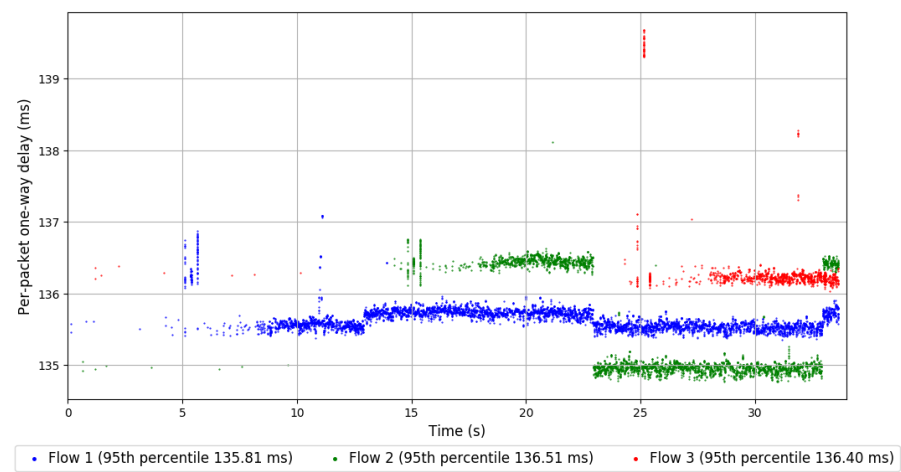
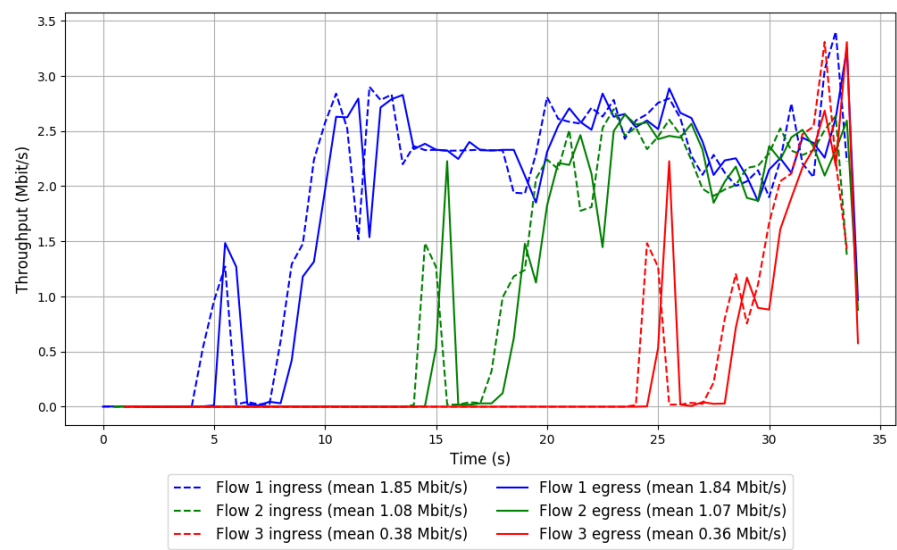


Run 4: Statistics of WebRTC media

Start at: 2018-07-05 06:27:41
End at: 2018-07-05 06:28:11
Local clock offset: -0.272 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 135.814 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 136.513 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.395 ms
Loss rate: 5.78%

Run 4: Report of WebRTC media — Data Link

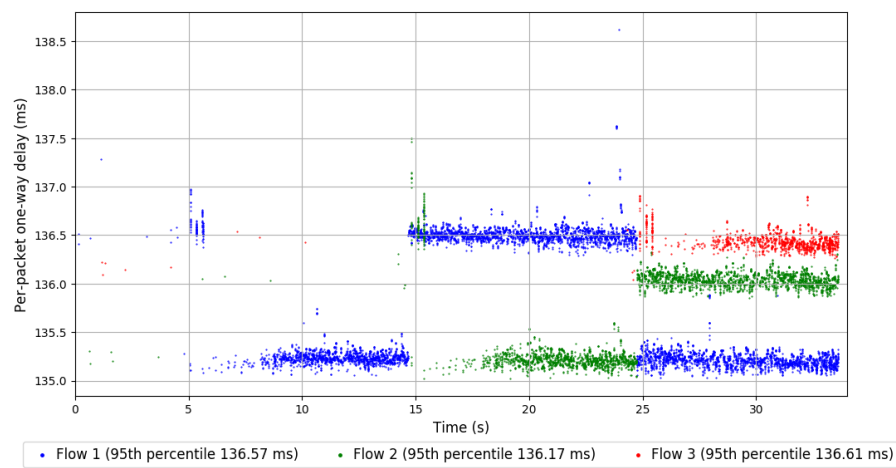
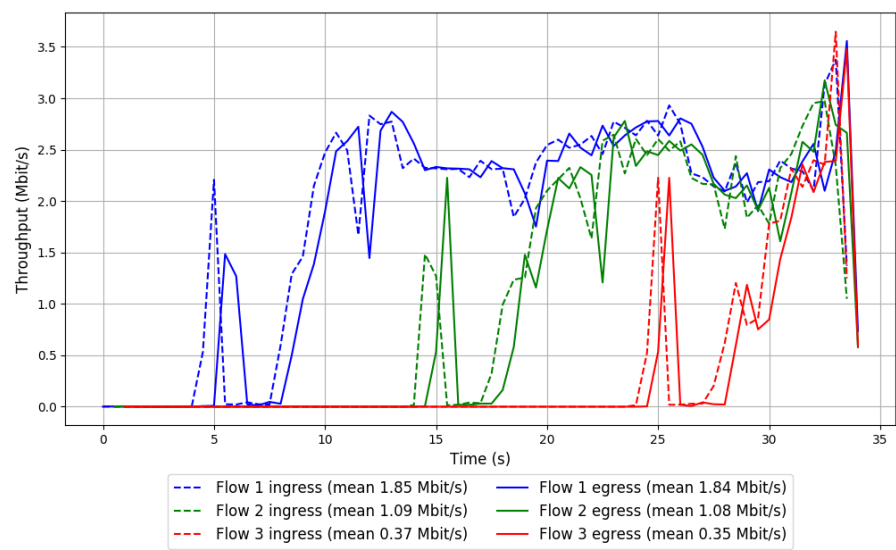


Run 5: Statistics of WebRTC media

Start at: 2018-07-05 06:54:49
End at: 2018-07-05 06:55:19
Local clock offset: -0.024 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 136.561 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 136.169 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.612 ms
Loss rate: 5.82%

Run 5: Report of WebRTC media — Data Link

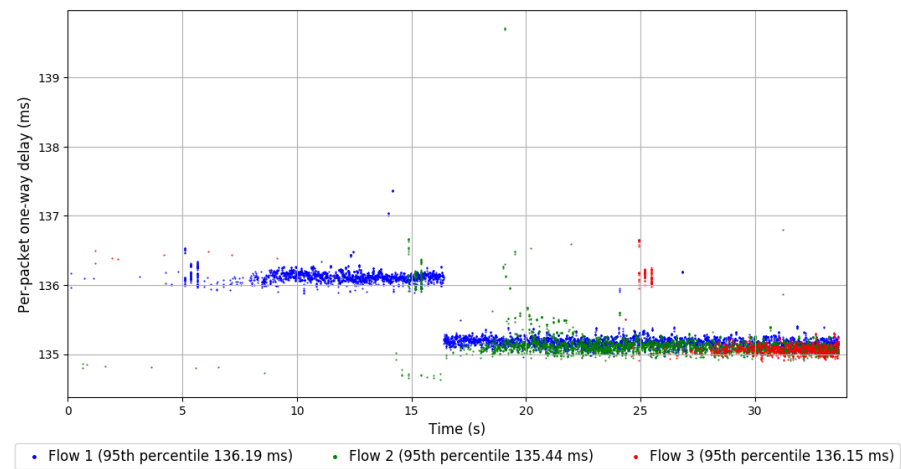
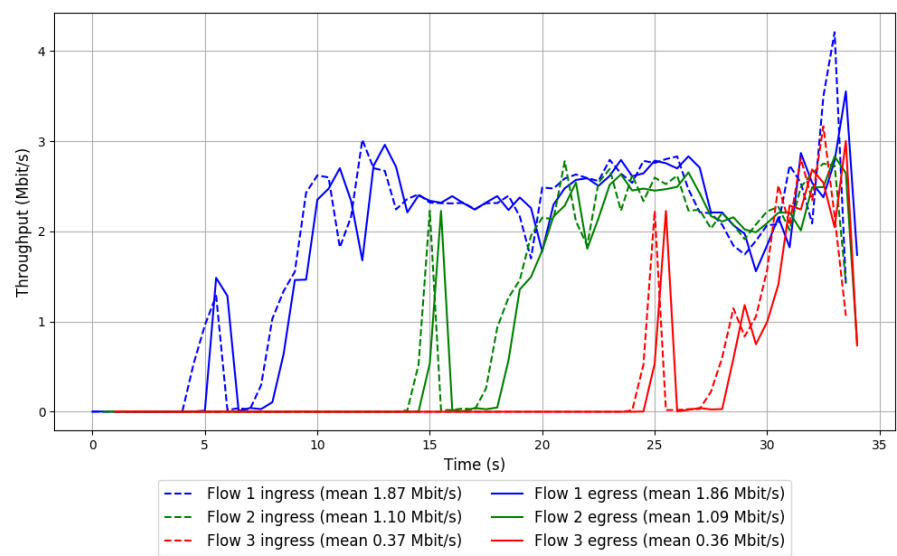


Run 6: Statistics of WebRTC media

Start at: 2018-07-05 07:21:48
End at: 2018-07-05 07:22:18
Local clock offset: -0.04 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 136.168 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 136.185 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 135.441 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.148 ms
Loss rate: 4.35%

Run 6: Report of WebRTC media — Data Link

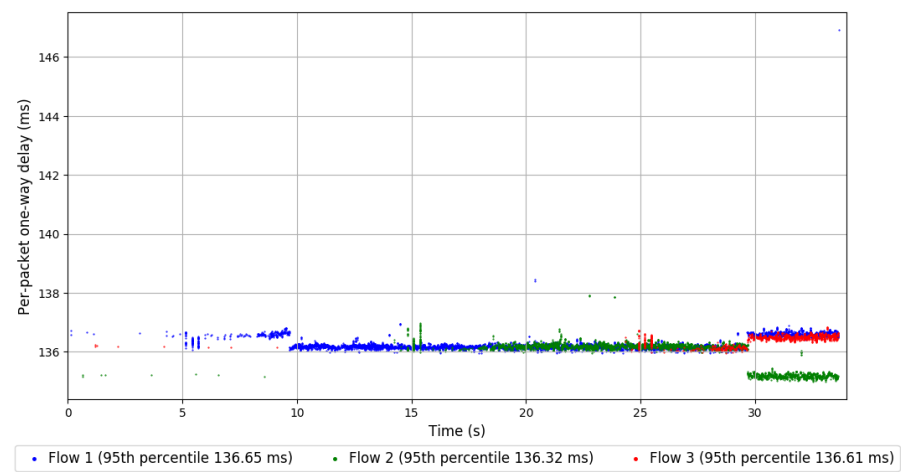
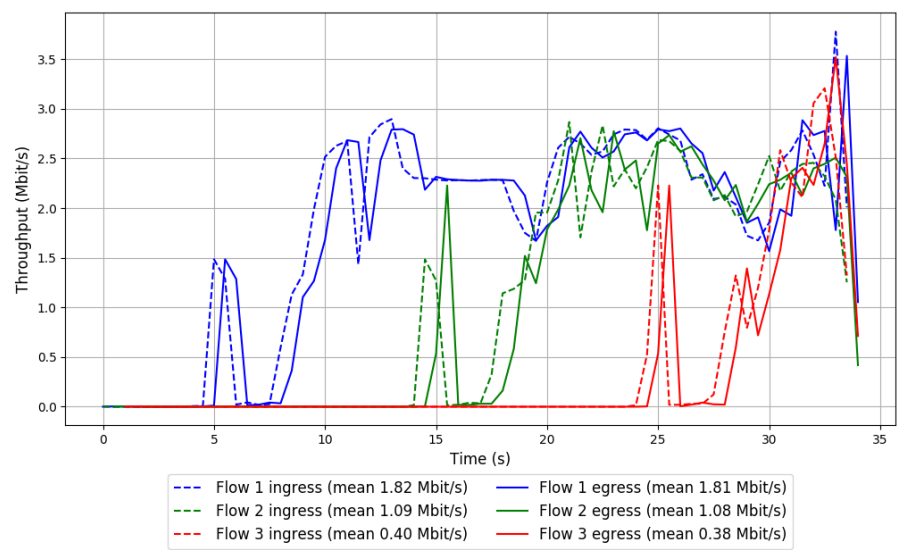


Run 7: Statistics of WebRTC media

Start at: 2018-07-05 07:48:44
End at: 2018-07-05 07:49:14
Local clock offset: 0.008 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 136.625 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.653 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 136.325 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 136.606 ms
Loss rate: 5.11%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-05 08:15:48

End at: 2018-07-05 08:16:18

Local clock offset: -0.237 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-07-05 12:15:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 135.598 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 134.837 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 134.805 ms

Loss rate: 1.51%

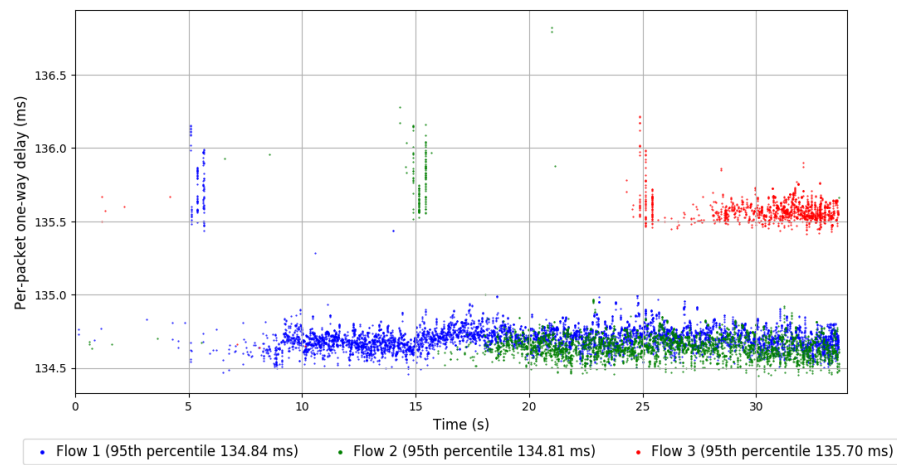
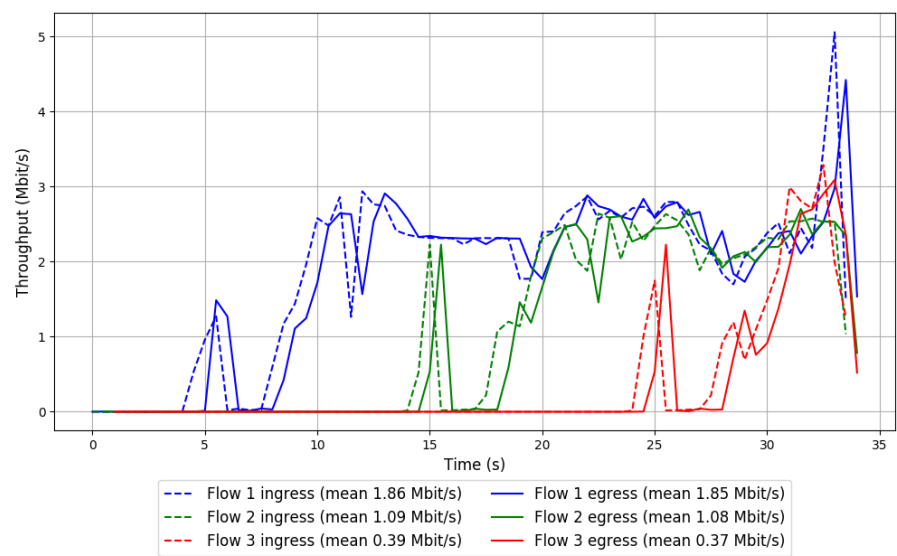
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 135.699 ms

Loss rate: 4.96%

Run 8: Report of WebRTC media — Data Link

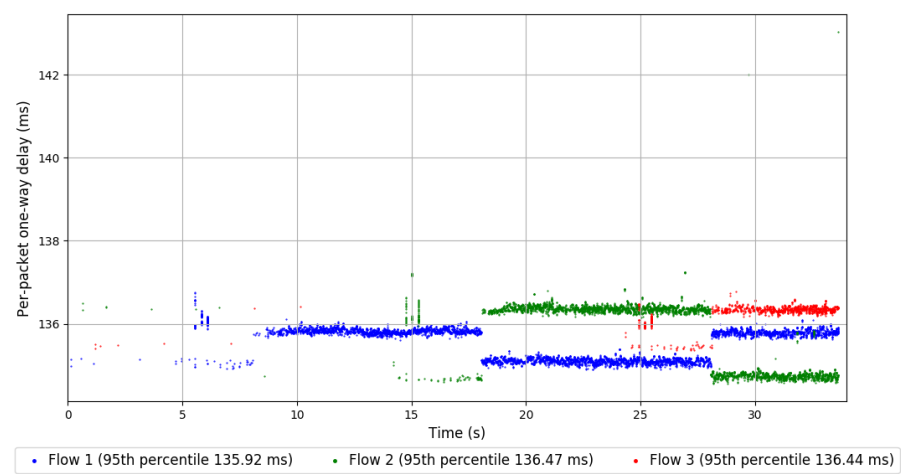
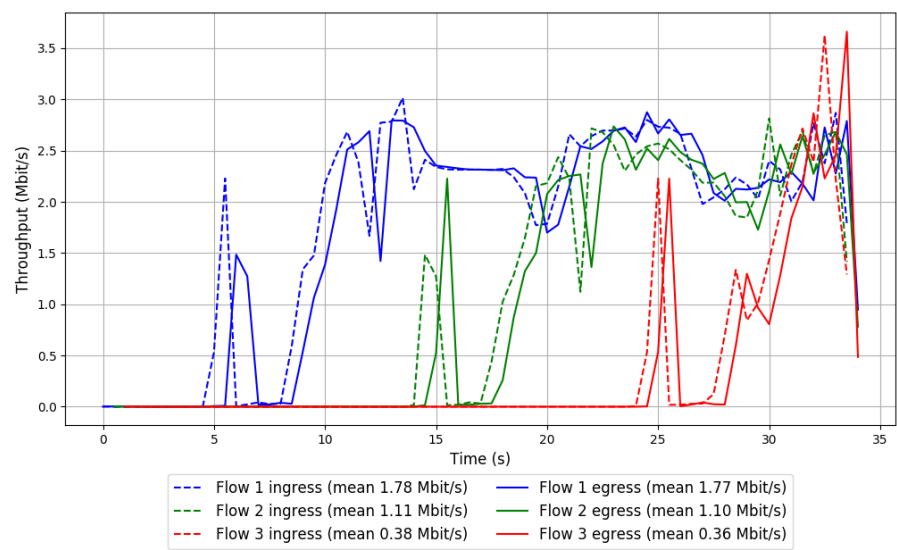


Run 9: Statistics of WebRTC media

Start at: 2018-07-05 08:42:46
End at: 2018-07-05 08:43:16
Local clock offset: -0.059 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 136.422 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 135.919 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 136.466 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.443 ms
Loss rate: 5.20%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-05 09:09:47
End at: 2018-07-05 09:10:17
Local clock offset: 0.09 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-05 12:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 136.584 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.478 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 136.617 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.178 ms
Loss rate: 4.69%

Run 10: Report of WebRTC media — Data Link

