

Pantheon Report

Generated at 2018-05-22 08:35:45 (UTC).

Data path: AWS India 2 Ethernet (*local*) → Saudi Arabia Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

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

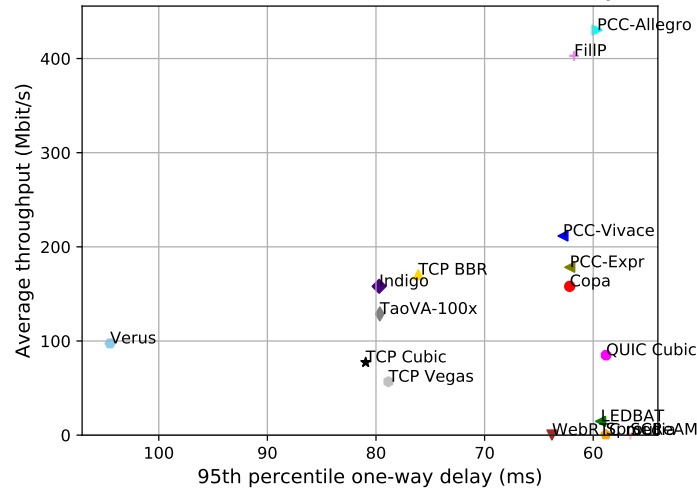
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

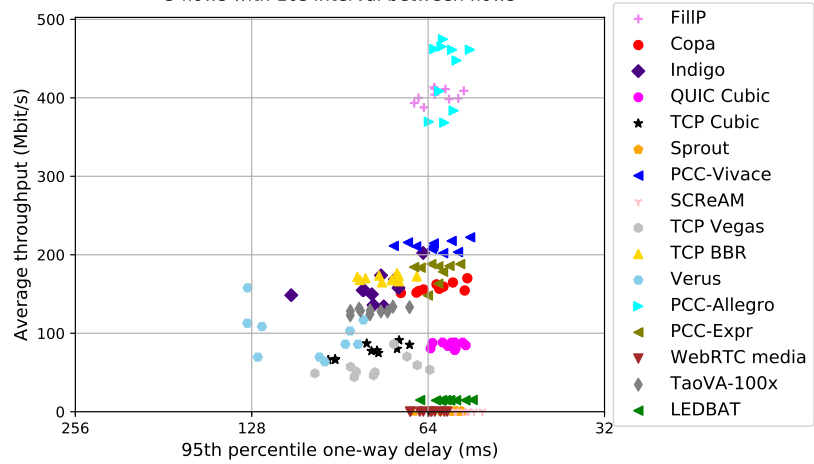
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/illp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 2 Ethernet to Saudi Arabia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS India 2 Ethernet to Saudi Arabia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



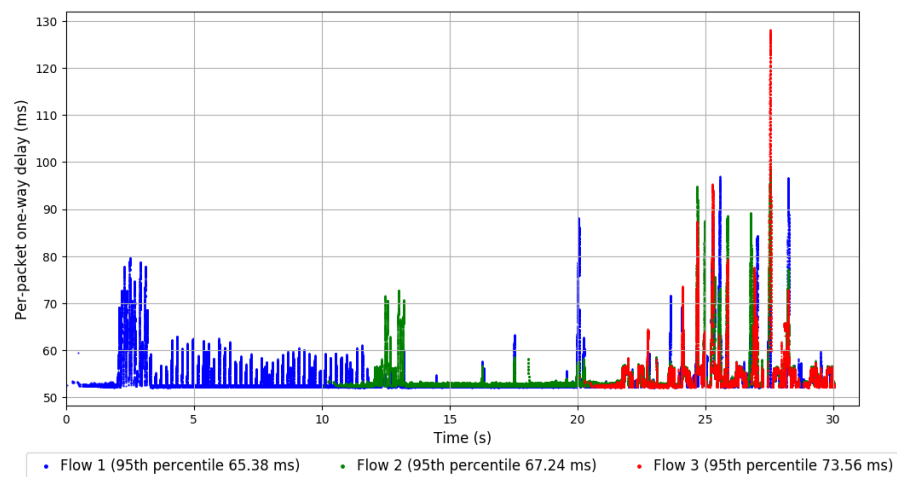
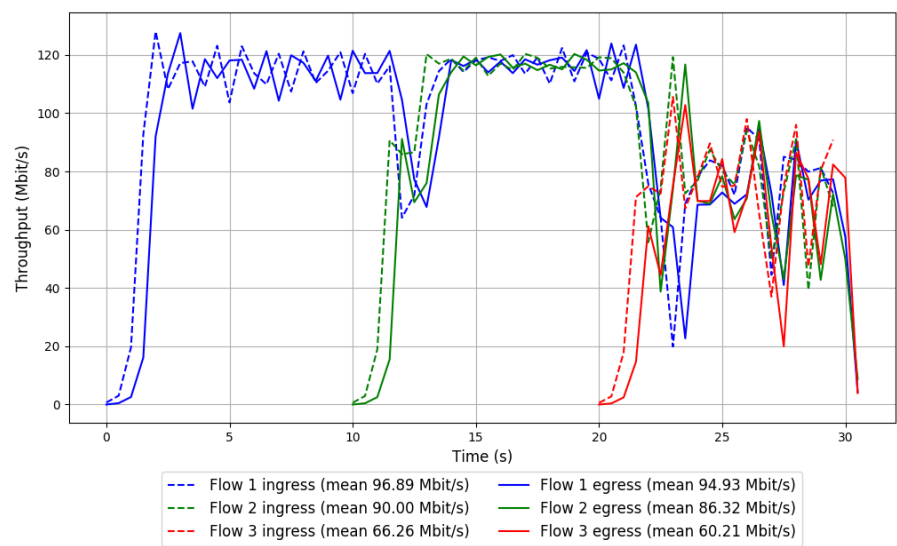
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	93.04	84.83	62.86	72.71	78.70	82.11	1.70	3.05	7.82
Copa	10	104.98	64.86	29.69	62.07	62.78	59.96	10.60	10.25	8.27
TCP Cubic	10	33.77	43.18	44.58	79.53	79.97	80.75	1.96	2.50	2.39
FillP	10	325.75	96.11	40.12	61.76	60.04	59.13	16.31	17.34	16.74
Indigo	10	76.72	89.16	69.24	75.52	82.58	86.26	13.03	22.77	36.48
LEDBAT	10	9.43	6.35	3.05	59.46	58.39	59.06	0.02	0.01	0.00
PCC-Allegro	10	393.43	34.89	41.36	59.28	58.84	58.47	5.37	2.04	2.51
PCC-Expr	9	158.65	21.04	17.18	61.96	61.97	61.18	3.22	1.65	1.74
QUIC Cubic	10	50.68	39.17	25.18	57.86	58.77	60.77	0.01	0.02	0.03
SCReAM	10	0.22	0.22	0.22	56.06	56.15	56.16	0.00	0.00	0.00
Sprout	10	0.28	0.32	0.33	57.87	58.36	58.72	0.00	0.00	0.00
TaoVA-100x	10	76.75	53.64	48.89	76.66	83.00	81.46	4.36	6.75	8.69
TCP Vegas	10	26.55	27.86	35.01	77.67	76.92	83.52	1.48	1.85	3.09
Verus	10	60.19	41.19	32.97	104.27	93.52	89.61	56.46	40.13	34.59
PCC-Vivace	10	183.90	33.39	16.56	62.72	63.07	62.29	1.50	0.99	1.36
WebRTC media	10	0.05	0.05	0.05	62.07	64.08	63.70	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 03:22:00
End at: 2018-05-22 03:22:30
Local clock offset: -0.112 ms
Remote clock offset: -43.672 ms

Below is generated by plot.py at 2018-05-22 07:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.43 Mbit/s
95th percentile per-packet one-way delay: 66.923 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 65.383 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 67.238 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 60.21 Mbit/s
95th percentile per-packet one-way delay: 73.558 ms
Loss rate: 9.15%

Run 1: Report of TCP BBR — Data Link

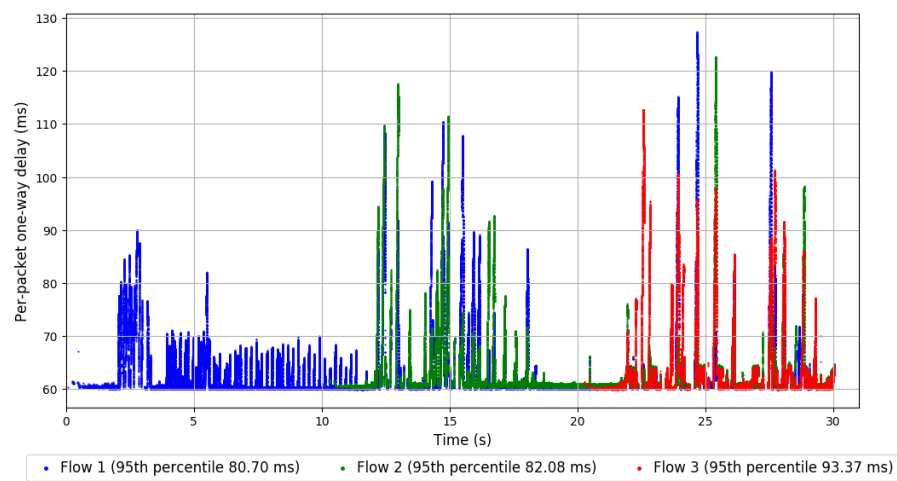
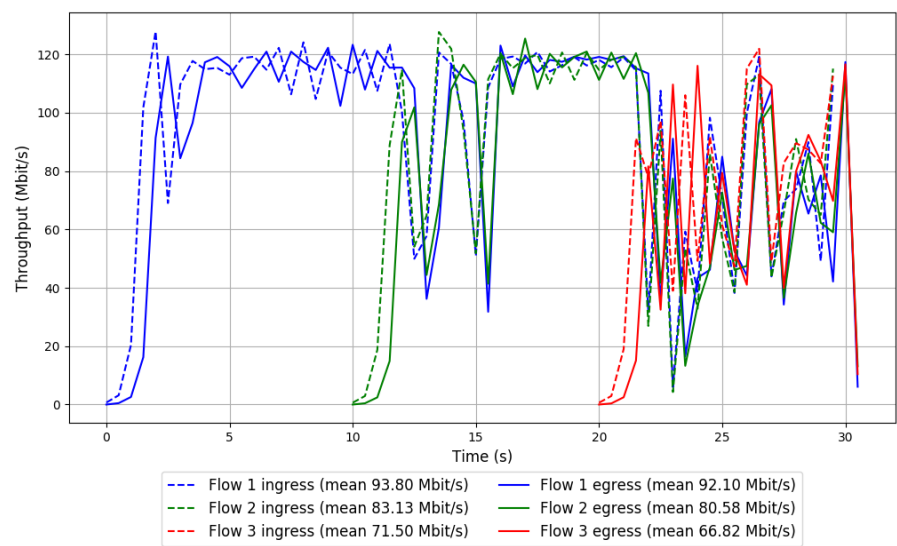


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 03:45:11
End at: 2018-05-22 03:45:41
Local clock offset: 2.148 ms
Remote clock offset: -33.909 ms

Below is generated by plot.py at 2018-05-22 07:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.92 Mbit/s
95th percentile per-packet one-way delay: 83.694 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 80.701 ms
Loss rate: 1.80%
-- Flow 2:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 82.084 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 93.369 ms
Loss rate: 6.50%

Run 2: Report of TCP BBR — Data Link

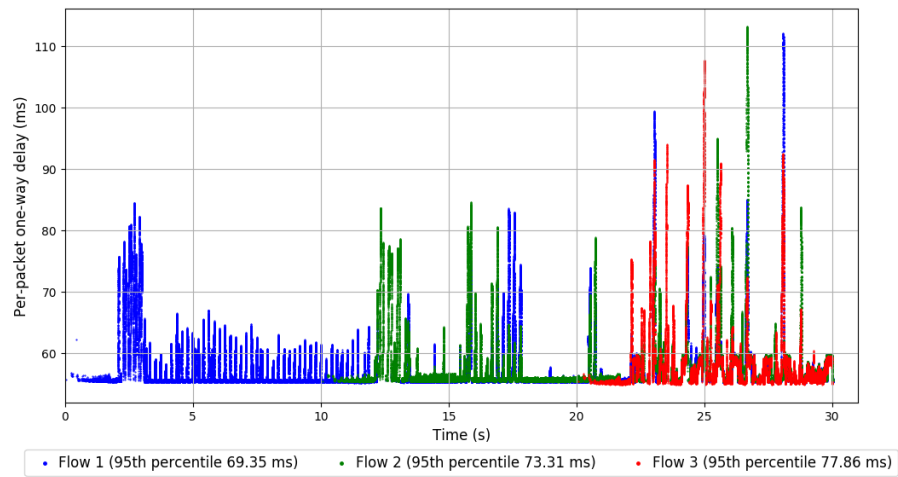
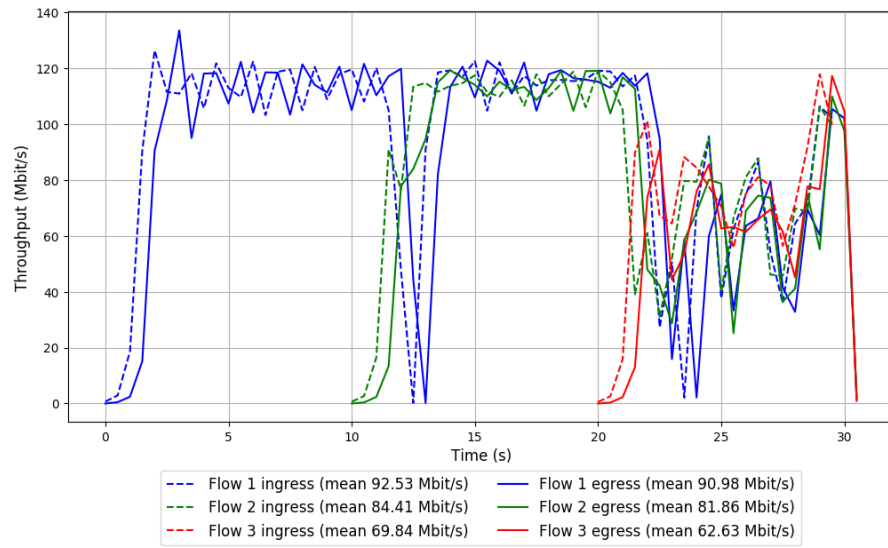


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 04:13:29
End at: 2018-05-22 04:13:59
Local clock offset: 1.339 ms
Remote clock offset: -36.74 ms

Below is generated by plot.py at 2018-05-22 07:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.25 Mbit/s
95th percentile per-packet one-way delay: 71.773 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 69.347 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 81.86 Mbit/s
95th percentile per-packet one-way delay: 73.308 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 77.861 ms
Loss rate: 10.33%

Run 3: Report of TCP BBR — Data Link

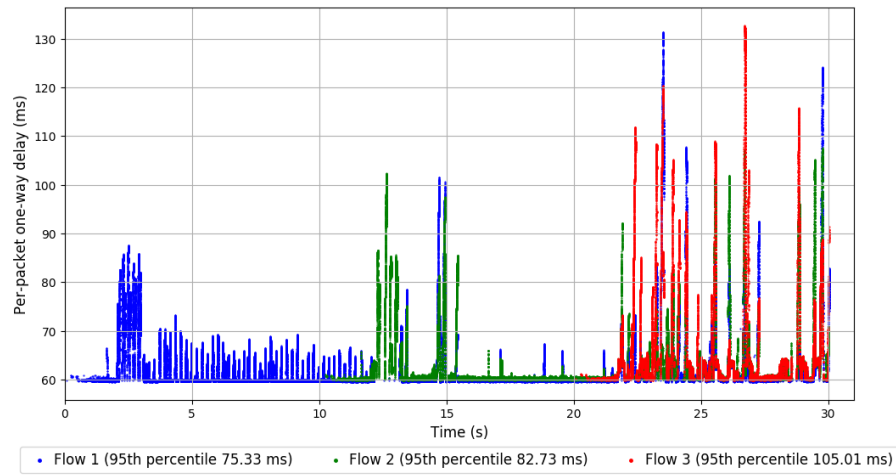
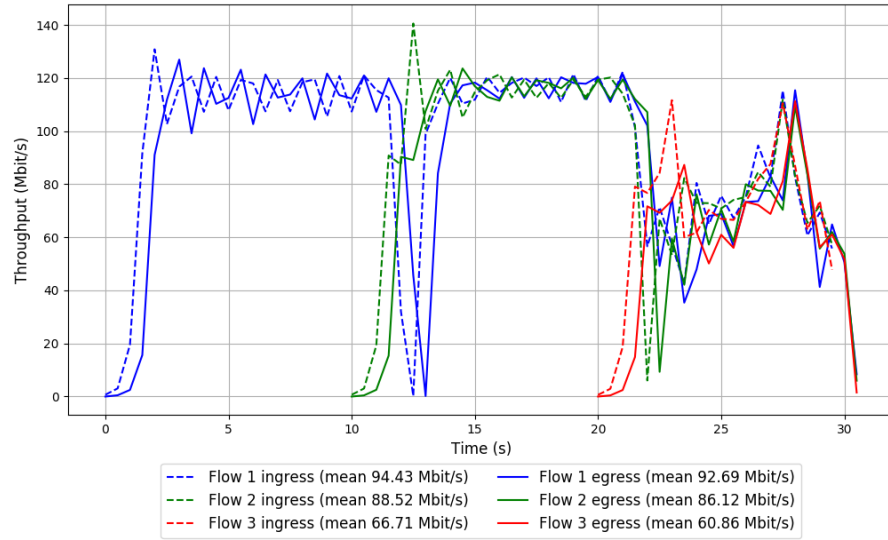


Run 4: Statistics of TCP BBR

Start at: 2018-05-22 04:47:31
End at: 2018-05-22 04:48:01
Local clock offset: 0.918 ms
Remote clock offset: -33.557 ms

Below is generated by plot.py at 2018-05-22 07:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.24 Mbit/s
95th percentile per-packet one-way delay: 81.883 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 75.330 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 82.726 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 105.011 ms
Loss rate: 8.48%

Run 4: Report of TCP BBR — Data Link

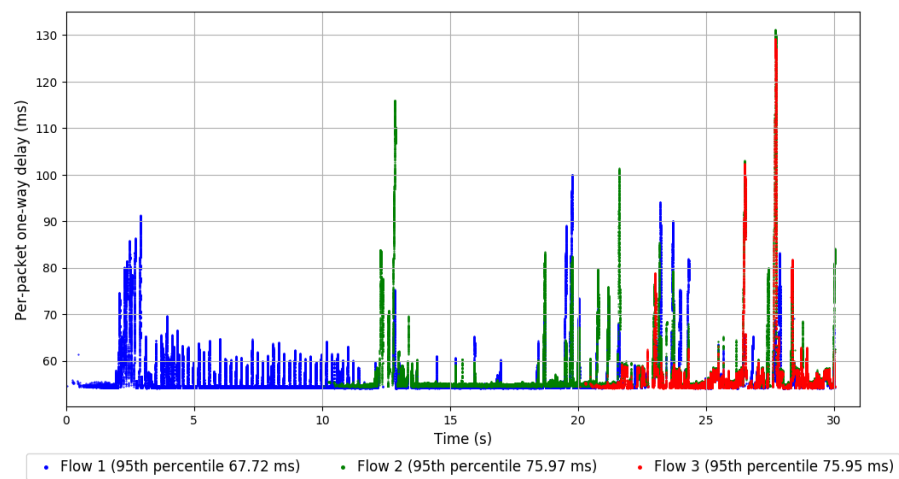
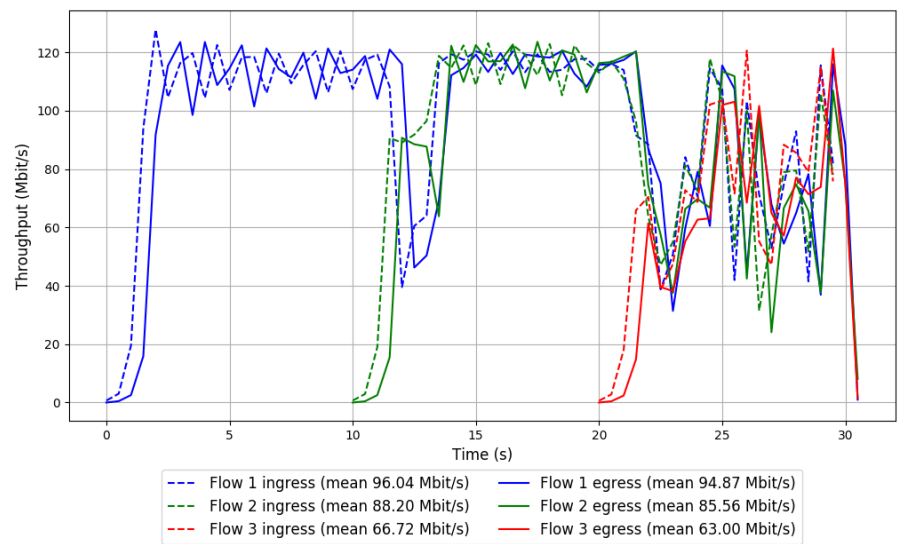


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 05:10:18
End at: 2018-05-22 05:10:48
Local clock offset: -1.879 ms
Remote clock offset: -40.372 ms

Below is generated by plot.py at 2018-05-22 07:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.77 Mbit/s
95th percentile per-packet one-way delay: 71.817 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 67.722 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 75.968 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 63.00 Mbit/s
95th percentile per-packet one-way delay: 75.952 ms
Loss rate: 5.57%

Run 5: Report of TCP BBR — Data Link

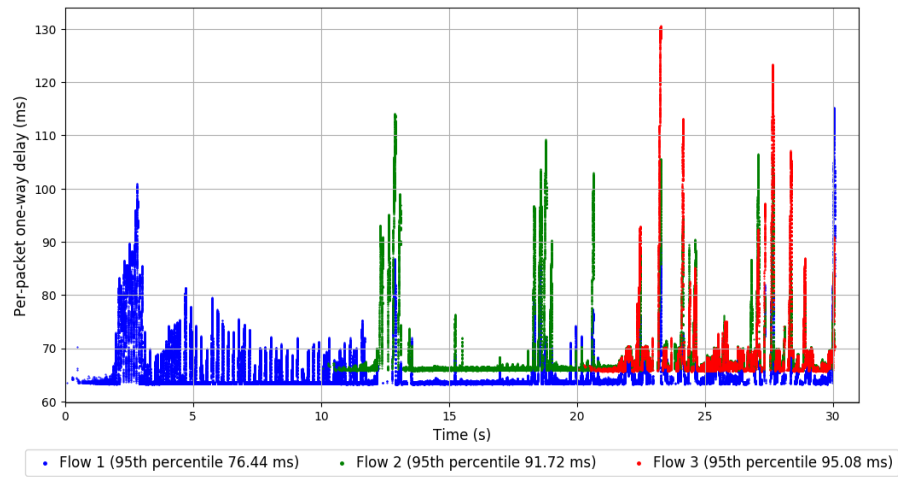
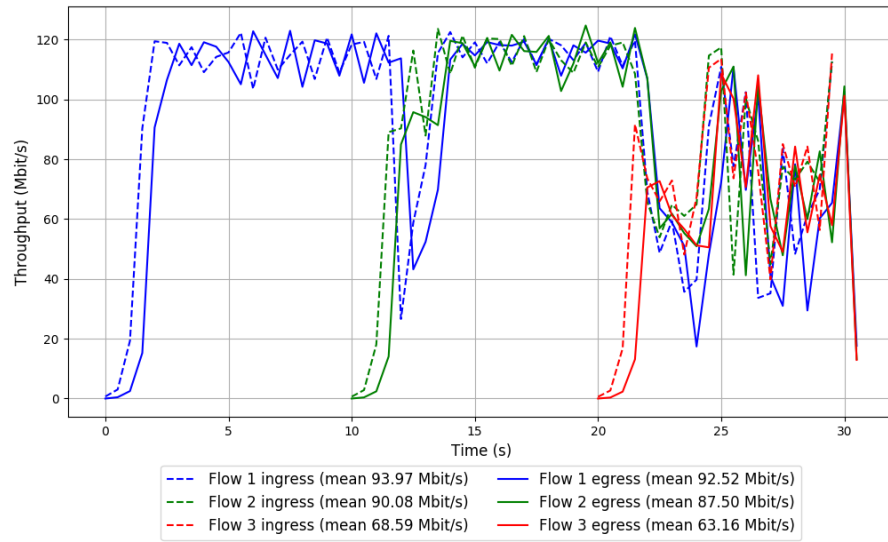


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 05:42:34
End at: 2018-05-22 05:43:04
Local clock offset: 0.293 ms
Remote clock offset: -30.571 ms

Below is generated by plot.py at 2018-05-22 07:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.79 Mbit/s
95th percentile per-packet one-way delay: 84.536 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 76.443 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 91.720 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 95.085 ms
Loss rate: 7.88%

Run 6: Report of TCP BBR — Data Link

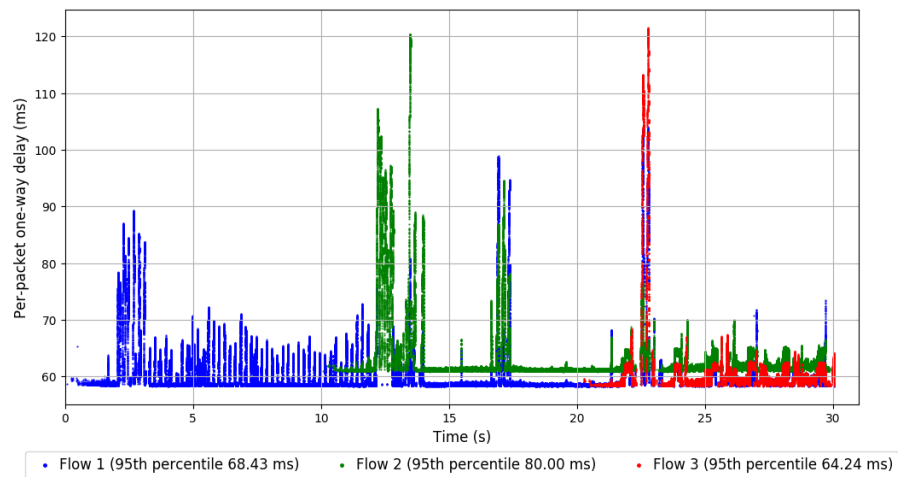
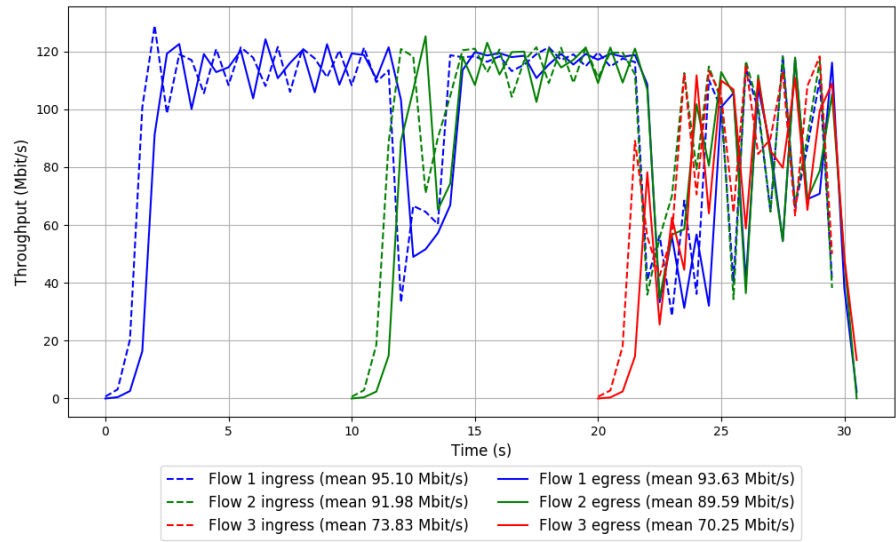


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 06:05:16
End at: 2018-05-22 06:05:46
Local clock offset: -0.879 ms
Remote clock offset: -34.474 ms

Below is generated by plot.py at 2018-05-22 07:55:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.65 Mbit/s
95th percentile per-packet one-way delay: 72.318 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 68.430 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 79.997 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 64.236 ms
Loss rate: 4.84%

Run 7: Report of TCP BBR — Data Link

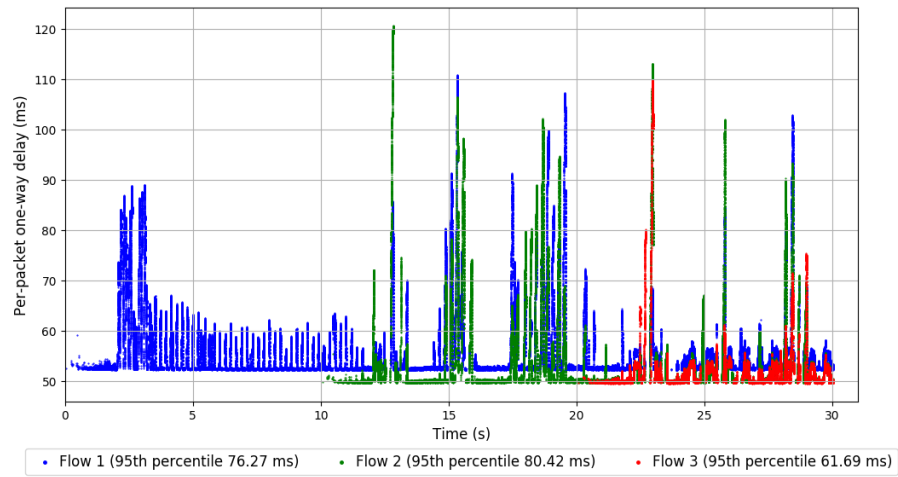
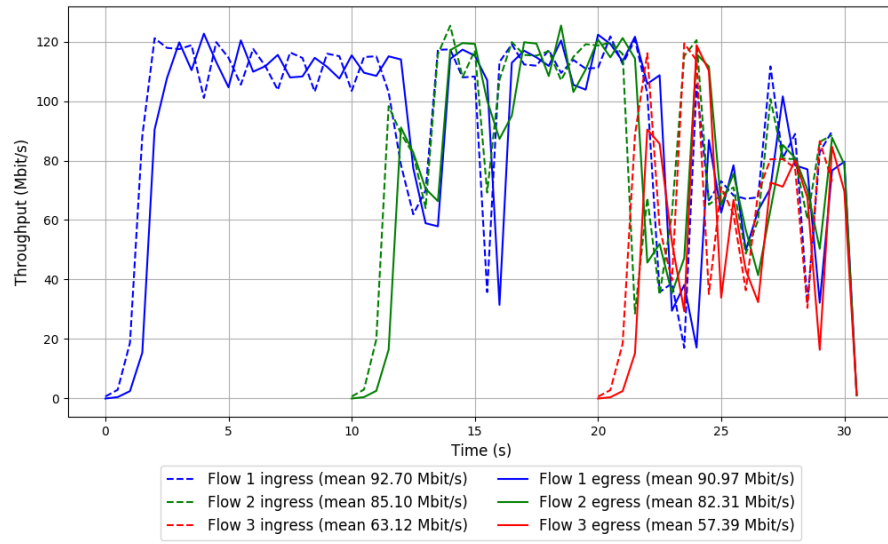


Run 8: Statistics of TCP BBR

Start at: 2018-05-22 06:39:05
End at: 2018-05-22 06:39:35
Local clock offset: -0.213 ms
Remote clock offset: -41.576 ms

Below is generated by plot.py at 2018-05-22 07:55:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.89 Mbit/s
95th percentile per-packet one-way delay: 76.739 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 76.274 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 80.417 ms
Loss rate: 3.27%
-- Flow 3:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 61.687 ms
Loss rate: 9.09%

Run 8: Report of TCP BBR — Data Link

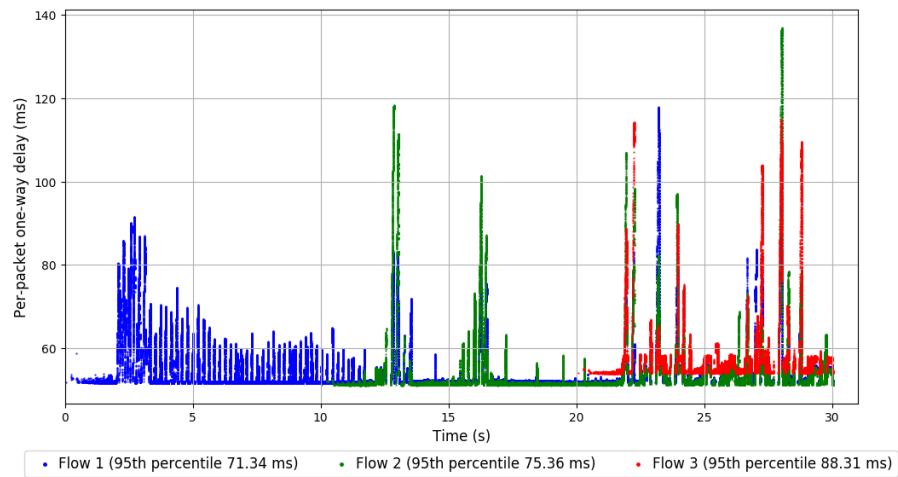
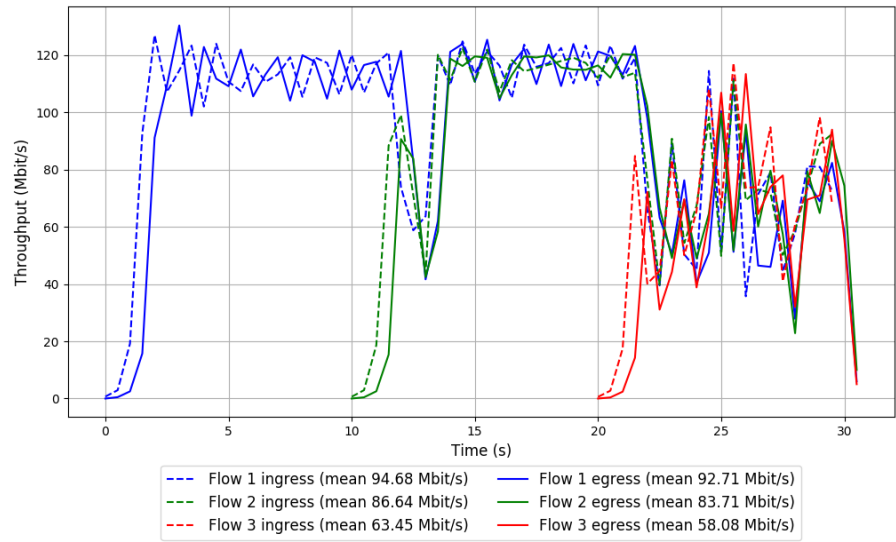


Run 9: Statistics of TCP BBR

Start at: 2018-05-22 07:07:24
End at: 2018-05-22 07:07:54
Local clock offset: 2.815 ms
Remote clock offset: -39.356 ms

Below is generated by plot.py at 2018-05-22 07:57:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.79 Mbit/s
95th percentile per-packet one-way delay: 73.824 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 71.341 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 75.365 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 88.314 ms
Loss rate: 8.47%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 07:30:15

End at: 2018-05-22 07:30:45

Local clock offset: 0.92 ms

Remote clock offset: -36.2 ms

Below is generated by plot.py at 2018-05-22 07:57:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 173.43 Mbit/s

95th percentile per-packet one-way delay: 77.579 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 76.135 ms

Loss rate: 1.56%

-- Flow 2:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 78.211 ms

Loss rate: 2.56%

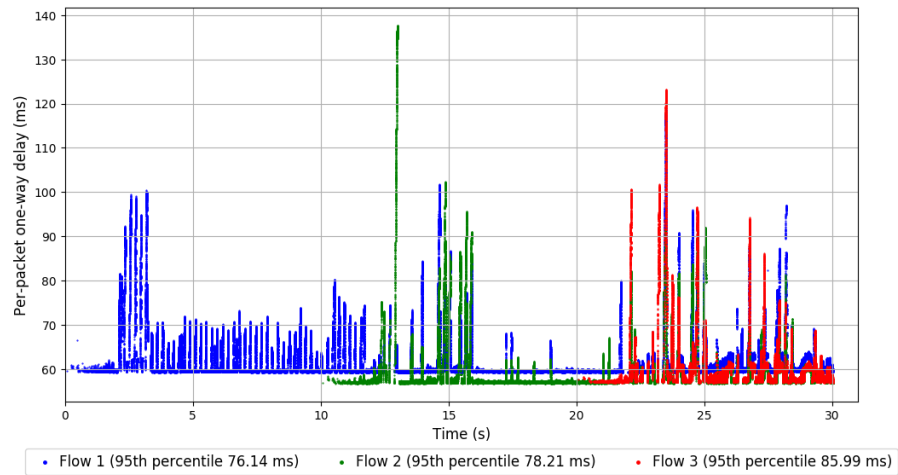
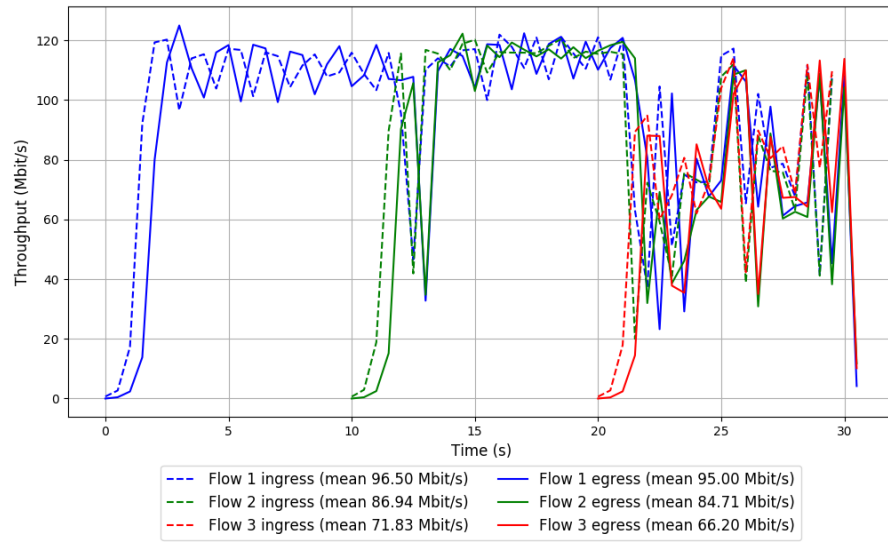
-- Flow 3:

Average throughput: 66.20 Mbit/s

95th percentile per-packet one-way delay: 85.990 ms

Loss rate: 7.84%

Run 10: Report of TCP BBR — Data Link

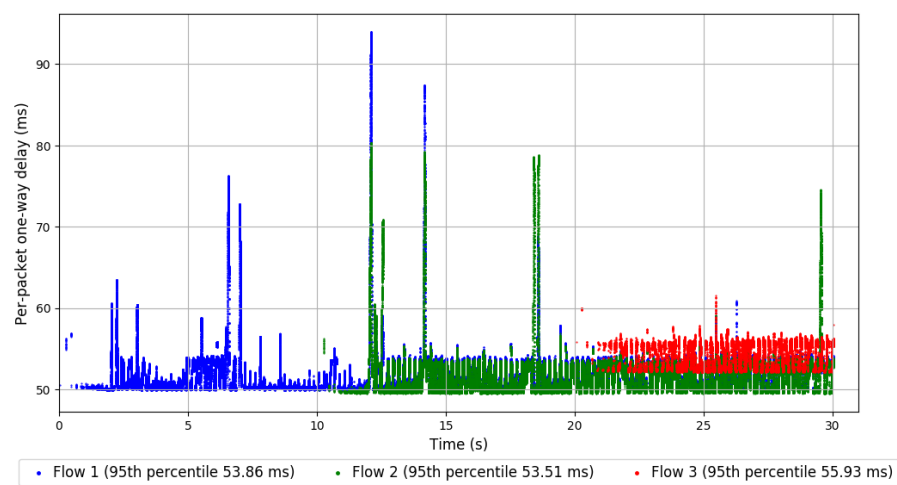
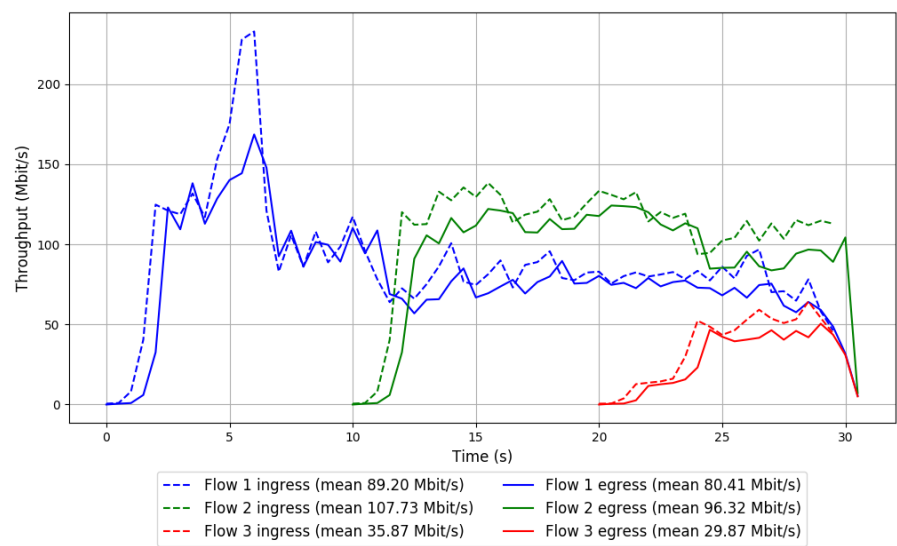


Run 1: Statistics of Copa

Start at: 2018-05-22 03:36:12
End at: 2018-05-22 03:36:42
Local clock offset: 3.26 ms
Remote clock offset: -43.268 ms

Below is generated by plot.py at 2018-05-22 07:58:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.49 Mbit/s
95th percentile per-packet one-way delay: 55.436 ms
Loss rate: 10.63%
-- Flow 1:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 53.857 ms
Loss rate: 9.85%
-- Flow 2:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 53.506 ms
Loss rate: 10.58%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 55.933 ms
Loss rate: 16.71%

Run 1: Report of Copa — Data Link

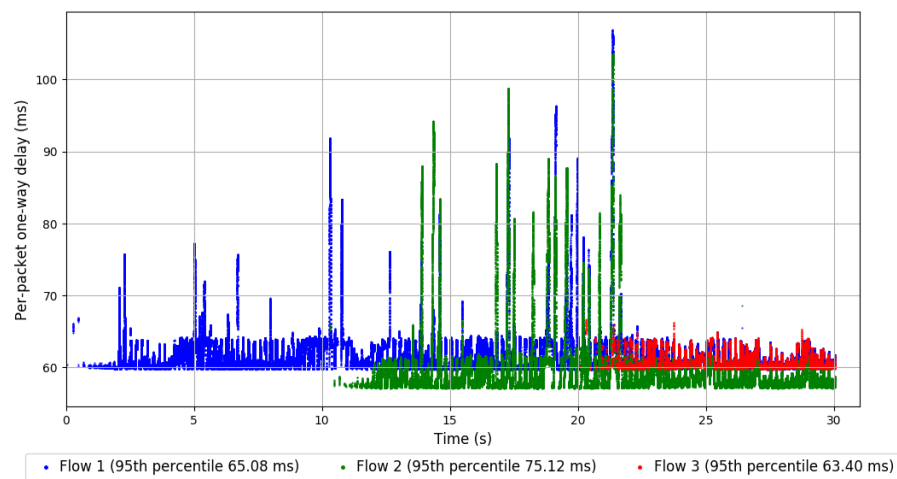
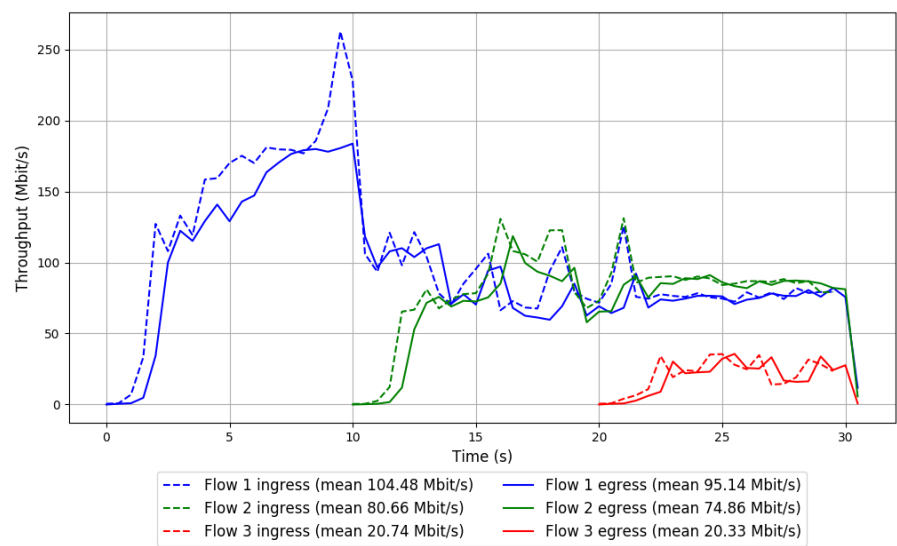


Run 2: Statistics of Copa

Start at: 2018-05-22 04:04:25
End at: 2018-05-22 04:04:55
Local clock offset: -0.562 ms
Remote clock offset: -37.445 ms

Below is generated by plot.py at 2018-05-22 07:58:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.76 Mbit/s
95th percentile per-packet one-way delay: 66.997 ms
Loss rate: 8.09%
-- Flow 1:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 65.082 ms
Loss rate: 8.94%
-- Flow 2:
Average throughput: 74.86 Mbit/s
95th percentile per-packet one-way delay: 75.116 ms
Loss rate: 7.21%
-- Flow 3:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 63.398 ms
Loss rate: 2.02%

Run 2: Report of Copa — Data Link

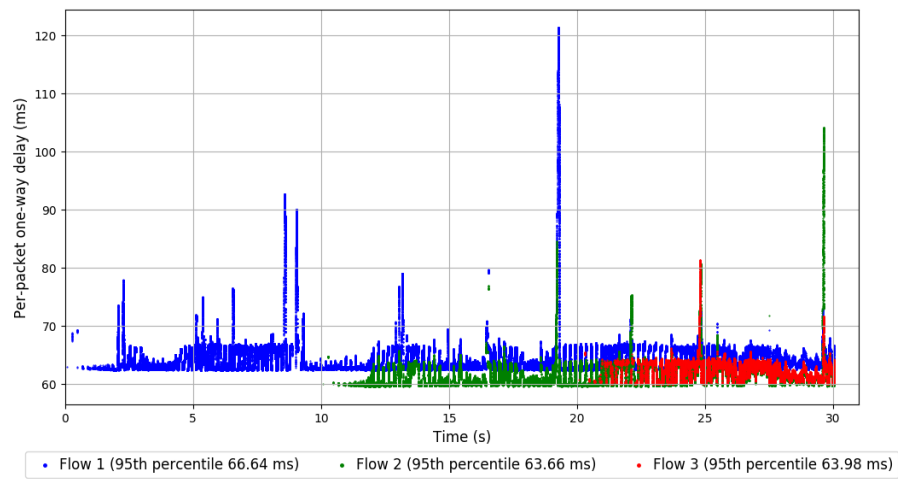
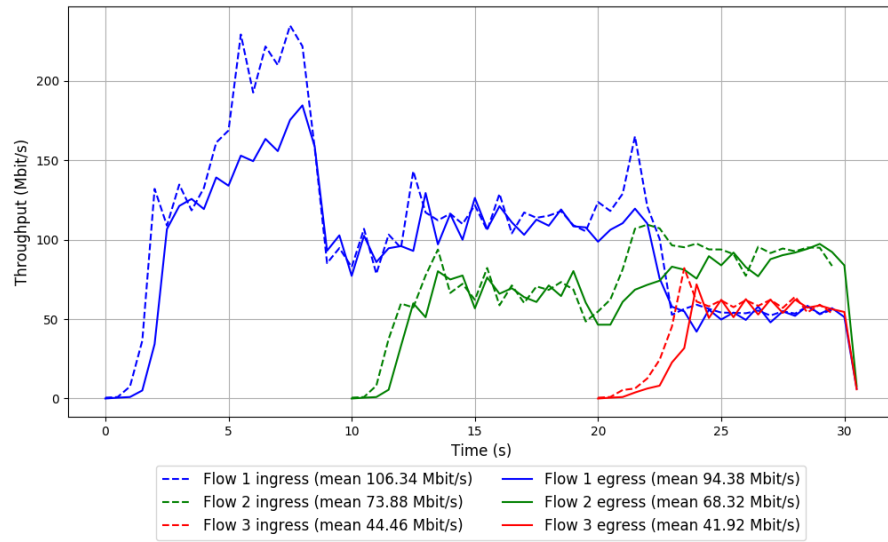


Run 3: Statistics of Copa

Start at: 2018-05-22 04:32:55
End at: 2018-05-22 04:33:25
Local clock offset: -1.388 ms
Remote clock offset: -35.162 ms

Below is generated by plot.py at 2018-05-22 07:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 153.84 Mbit/s
95th percentile per-packet one-way delay: 66.432 ms
Loss rate: 9.68%
-- Flow 1:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 66.635 ms
Loss rate: 11.24%
-- Flow 2:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 63.655 ms
Loss rate: 7.51%
-- Flow 3:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 63.982 ms
Loss rate: 5.68%

Run 3: Report of Copa — Data Link

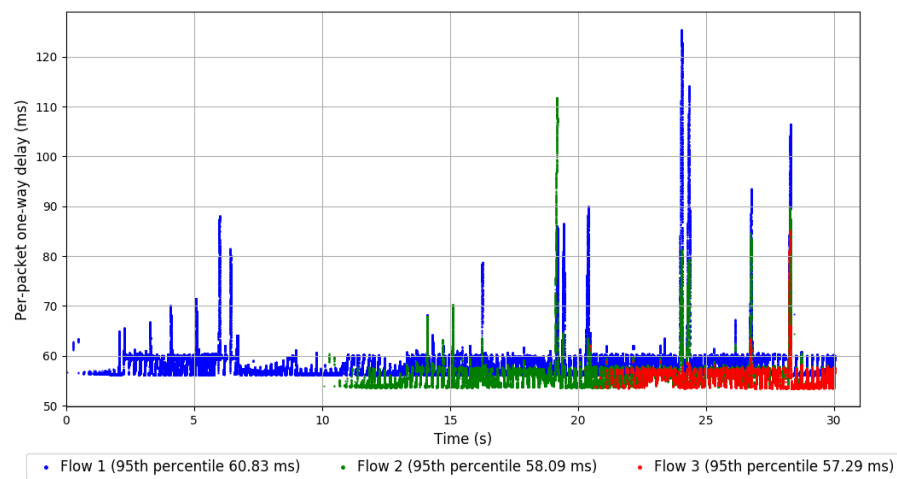
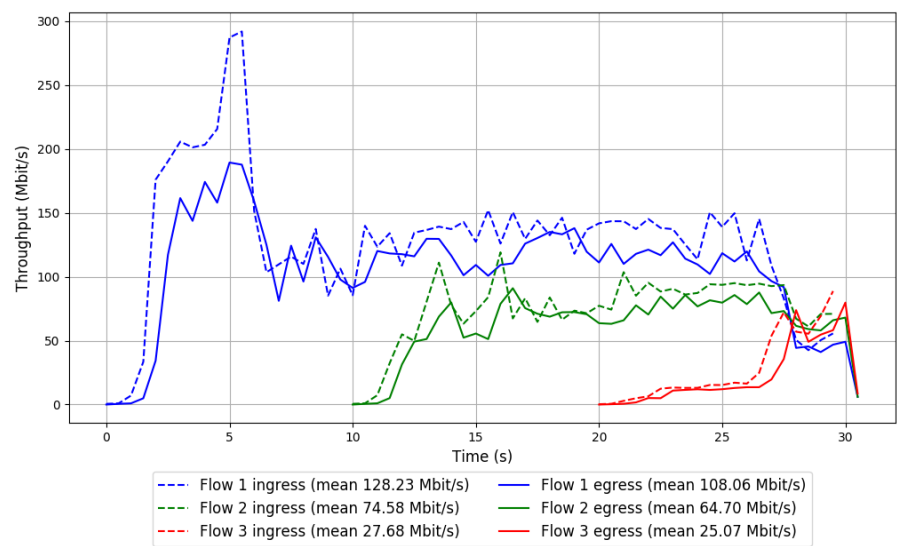


Run 4: Statistics of Copa

Start at: 2018-05-22 05:01:19
End at: 2018-05-22 05:01:49
Local clock offset: 2.043 ms
Remote clock offset: -38.009 ms

Below is generated by plot.py at 2018-05-22 07:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.34 Mbit/s
95th percentile per-packet one-way delay: 60.258 ms
Loss rate: 14.85%
-- Flow 1:
Average throughput: 108.06 Mbit/s
95th percentile per-packet one-way delay: 60.828 ms
Loss rate: 15.73%
-- Flow 2:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 58.092 ms
Loss rate: 13.23%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 57.293 ms
Loss rate: 11.26%

Run 4: Report of Copa — Data Link

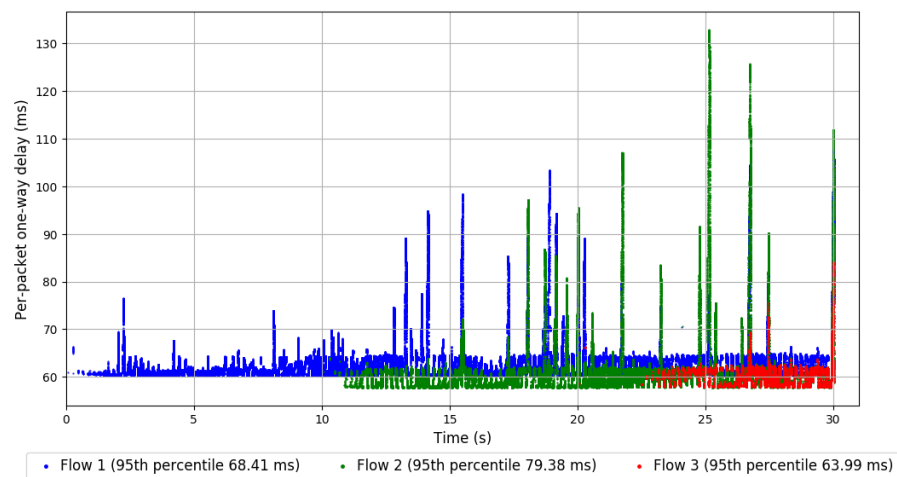
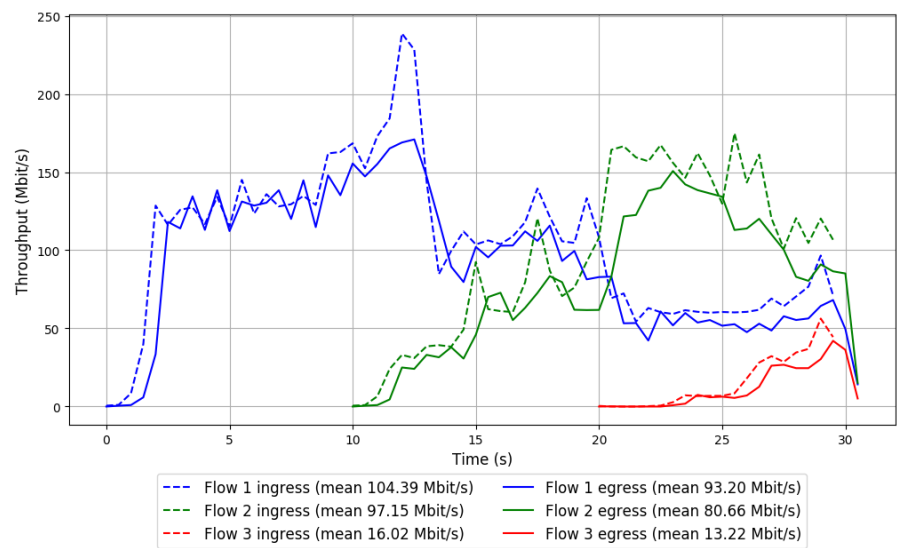


Run 5: Statistics of Copa

Start at: 2018-05-22 05:33:41
End at: 2018-05-22 05:34:11
Local clock offset: 2.377 ms
Remote clock offset: -33.14 ms

Below is generated by plot.py at 2018-05-22 07:59:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.30 Mbit/s
95th percentile per-packet one-way delay: 71.241 ms
Loss rate: 13.23%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 68.412 ms
Loss rate: 10.68%
-- Flow 2:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 79.381 ms
Loss rate: 16.98%
-- Flow 3:
Average throughput: 13.22 Mbit/s
95th percentile per-packet one-way delay: 63.992 ms
Loss rate: 17.45%

Run 5: Report of Copa — Data Link

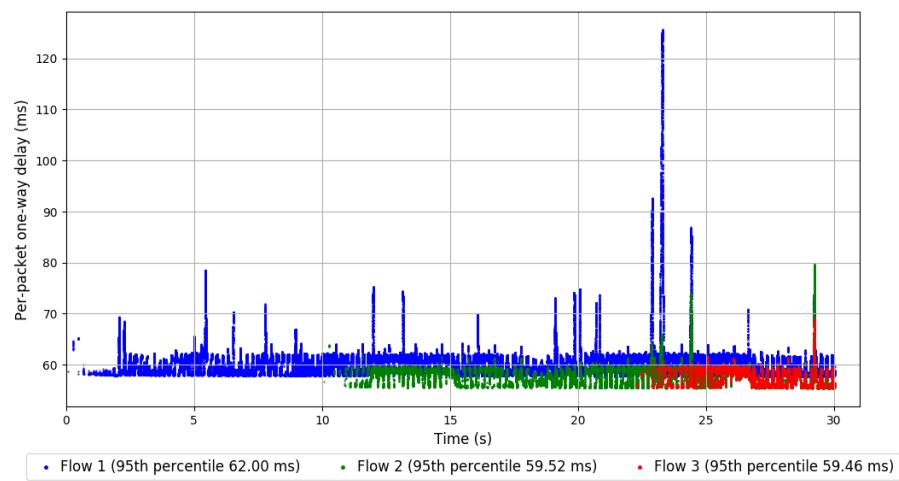
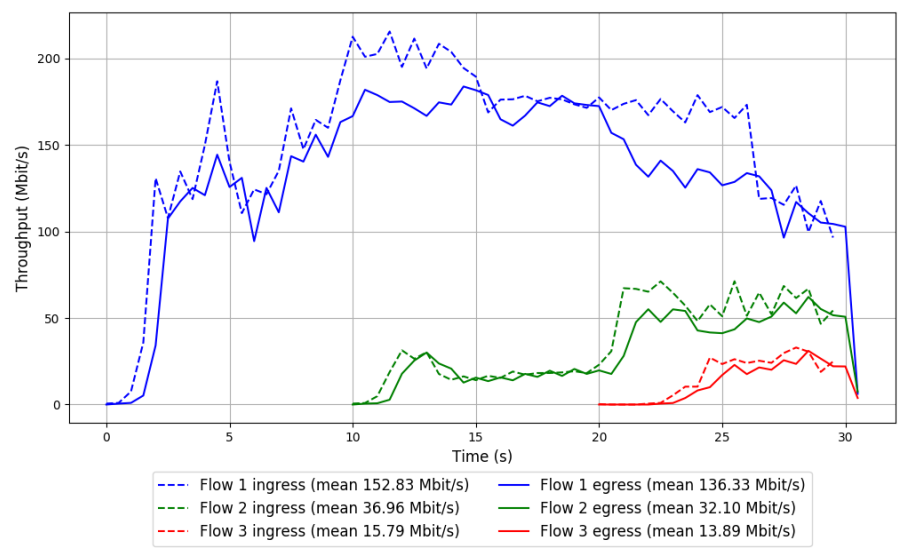


Run 6: Statistics of Copa

Start at: 2018-05-22 05:56:21
End at: 2018-05-22 05:56:51
Local clock offset: 0.772 ms
Remote clock offset: -38.136 ms

Below is generated by plot.py at 2018-05-22 07:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.33 Mbit/s
95th percentile per-packet one-way delay: 61.930 ms
Loss rate: 11.15%
-- Flow 1:
Average throughput: 136.33 Mbit/s
95th percentile per-packet one-way delay: 62.002 ms
Loss rate: 10.80%
-- Flow 2:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 59.523 ms
Loss rate: 13.15%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 59.460 ms
Loss rate: 12.04%

Run 6: Report of Copa — Data Link

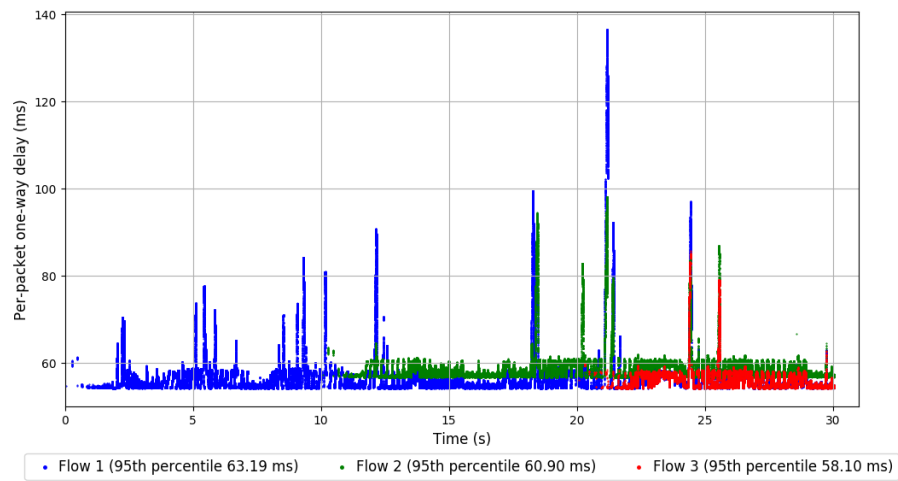
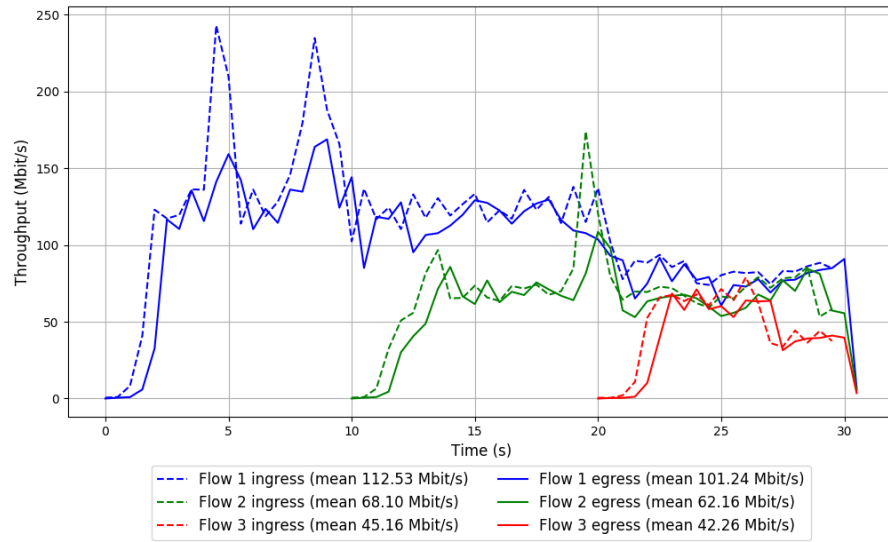


Run 7: Statistics of Copa

Start at: 2018-05-22 06:30:10
End at: 2018-05-22 06:30:40
Local clock offset: -0.579 ms
Remote clock offset: -37.309 ms

Below is generated by plot.py at 2018-05-22 08:01:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.69 Mbit/s
95th percentile per-packet one-way delay: 61.255 ms
Loss rate: 9.38%
-- Flow 1:
Average throughput: 101.24 Mbit/s
95th percentile per-packet one-way delay: 63.192 ms
Loss rate: 10.03%
-- Flow 2:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 60.899 ms
Loss rate: 8.74%
-- Flow 3:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 58.101 ms
Loss rate: 6.44%

Run 7: Report of Copa — Data Link

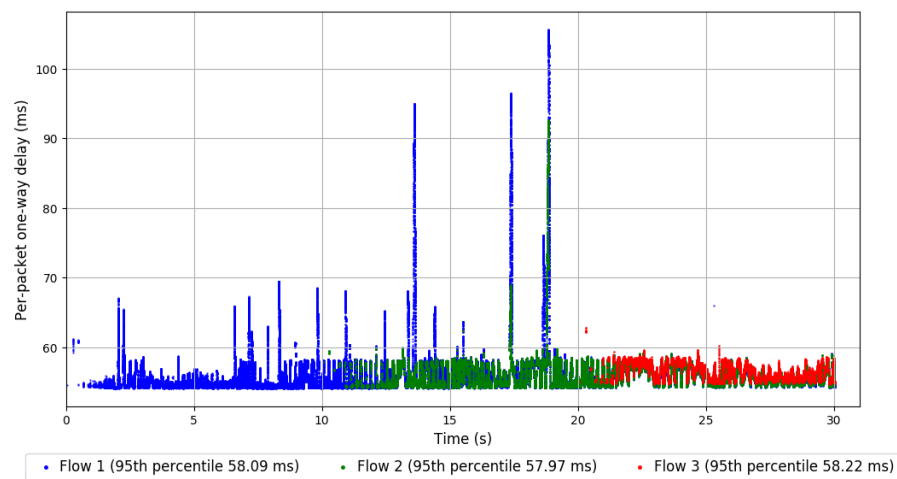
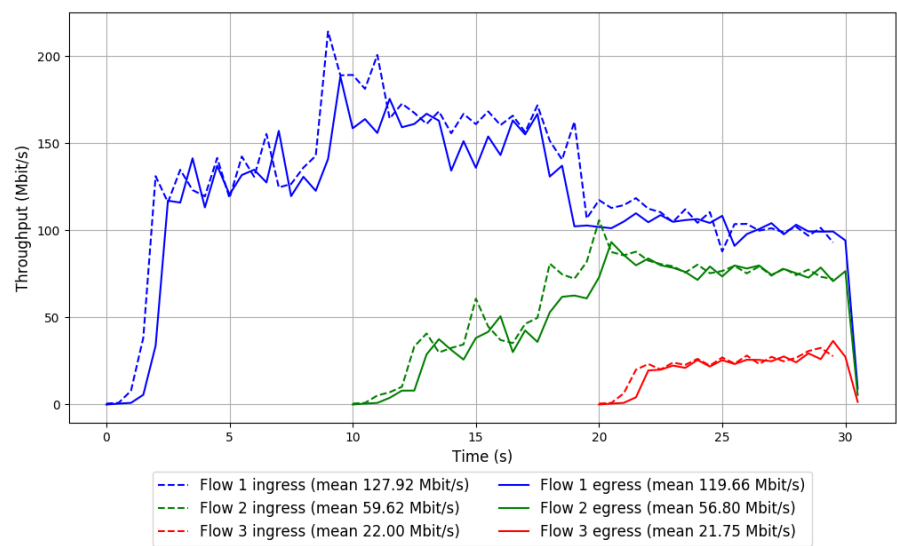


Run 8: Statistics of Copa

Start at: 2018-05-22 06:58:28
End at: 2018-05-22 06:58:58
Local clock offset: 0.984 ms
Remote clock offset: -36.442 ms

Below is generated by plot.py at 2018-05-22 08:01:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.68 Mbit/s
95th percentile per-packet one-way delay: 58.069 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 119.66 Mbit/s
95th percentile per-packet one-way delay: 58.092 ms
Loss rate: 6.45%
-- Flow 2:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 57.969 ms
Loss rate: 4.75%
-- Flow 3:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 58.216 ms
Loss rate: 1.12%

Run 8: Report of Copa — Data Link

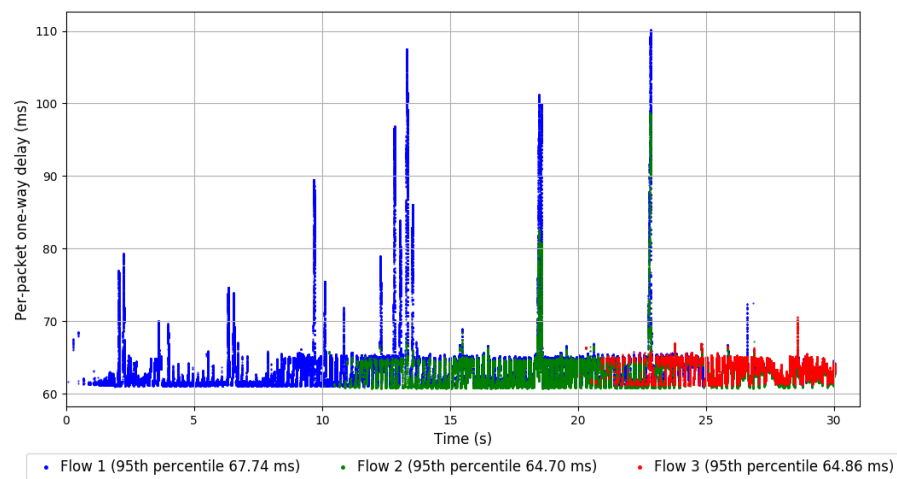
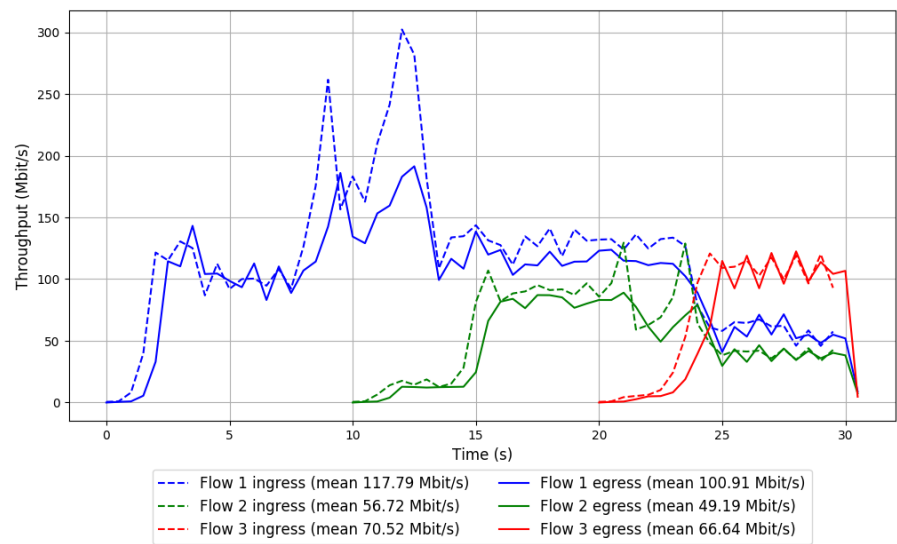


Run 9: Statistics of Copa

Start at: 2018-05-22 07:21:12
End at: 2018-05-22 07:21:42
Local clock offset: 1.315 ms
Remote clock offset: -32.179 ms

Below is generated by plot.py at 2018-05-22 08:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.80 Mbit/s
95th percentile per-packet one-way delay: 65.169 ms
Loss rate: 12.95%
-- Flow 1:
Average throughput: 100.91 Mbit/s
95th percentile per-packet one-way delay: 67.742 ms
Loss rate: 14.33%
-- Flow 2:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 64.698 ms
Loss rate: 13.28%
-- Flow 3:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 64.861 ms
Loss rate: 5.49%

Run 9: Report of Copa — Data Link

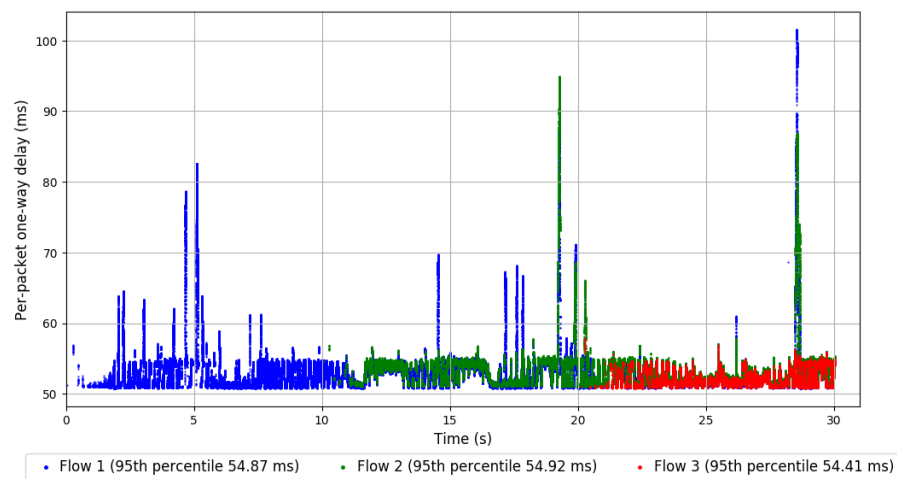
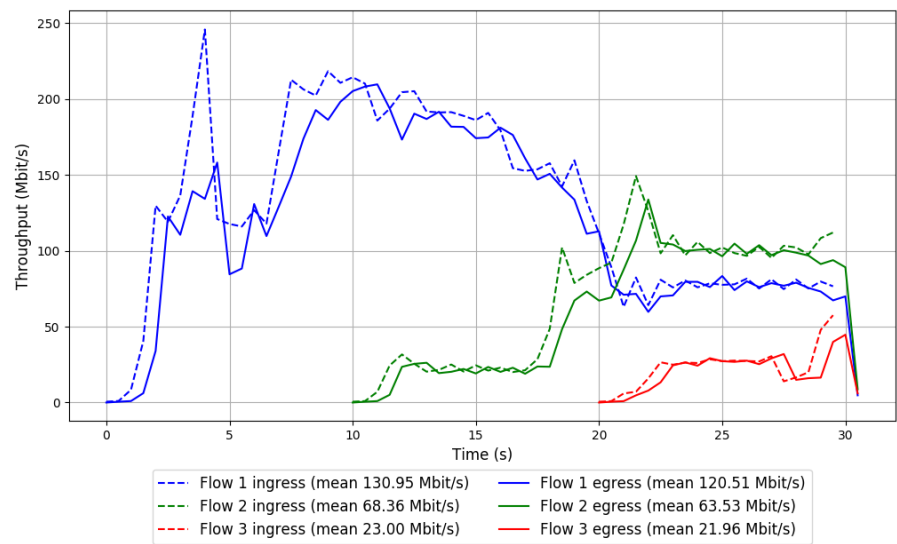


Run 10: Statistics of Copa

Start at: 2018-05-22 07:44:04
End at: 2018-05-22 07:44:34
Local clock offset: 1.021 ms
Remote clock offset: -41.224 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.13 Mbit/s
95th percentile per-packet one-way delay: 54.867 ms
Loss rate: 7.60%
-- Flow 1:
Average throughput: 120.51 Mbit/s
95th percentile per-packet one-way delay: 54.866 ms
Loss rate: 7.96%
-- Flow 2:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 54.918 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 54.409 ms
Loss rate: 4.49%

Run 10: Report of Copa — Data Link

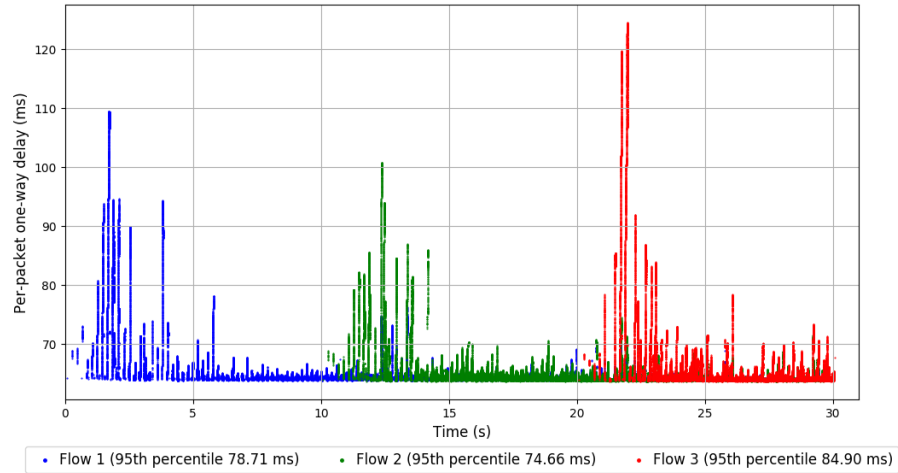
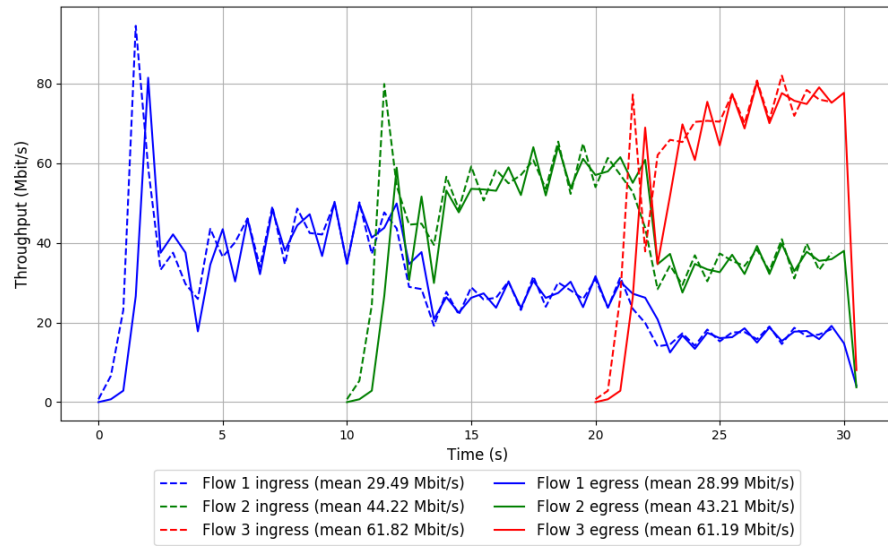


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 03:33:15
End at: 2018-05-22 03:33:45
Local clock offset: 0.252 ms
Remote clock offset: -34.729 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.08 Mbit/s
95th percentile per-packet one-way delay: 78.246 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 78.709 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 74.659 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 84.899 ms
Loss rate: 1.00%

Run 1: Report of TCP Cubic — Data Link

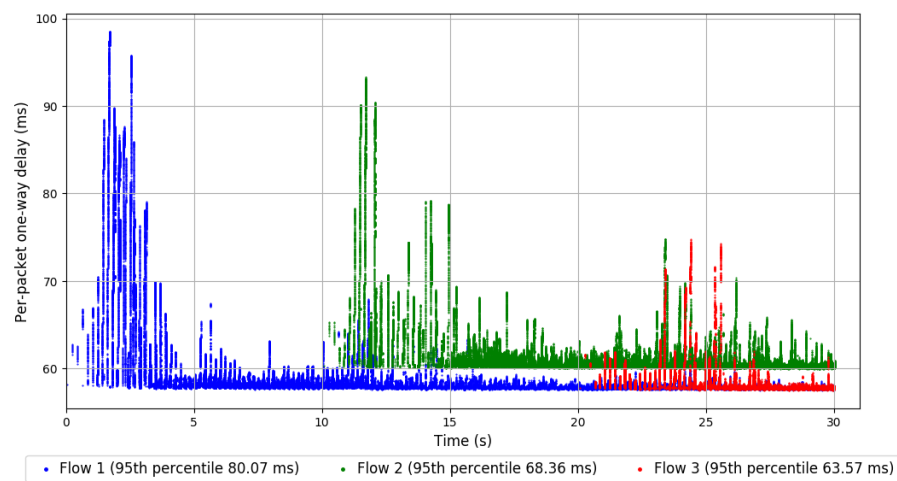
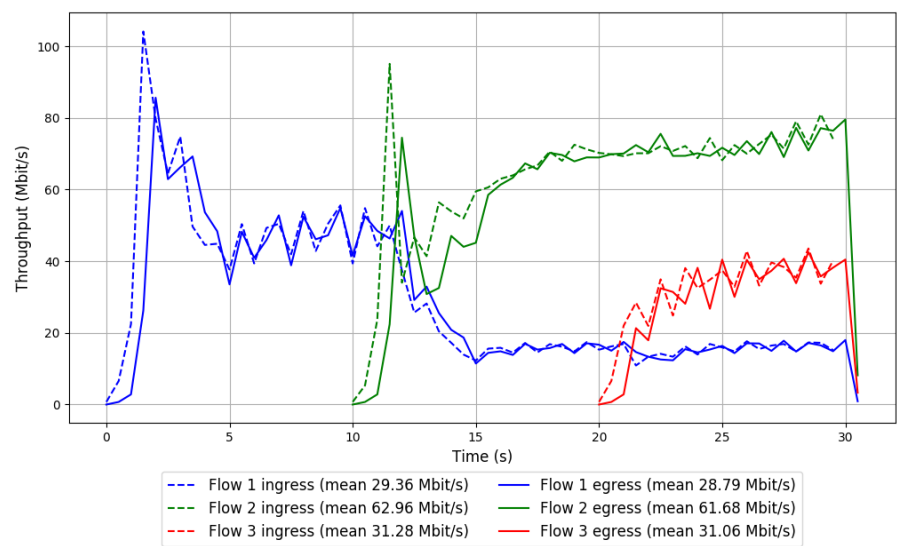


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 03:56:22
End at: 2018-05-22 03:56:52
Local clock offset: 2.921 ms
Remote clock offset: -35.312 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 72.307 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 80.070 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 68.364 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 63.573 ms
Loss rate: 0.71%

Run 2: Report of TCP Cubic — Data Link

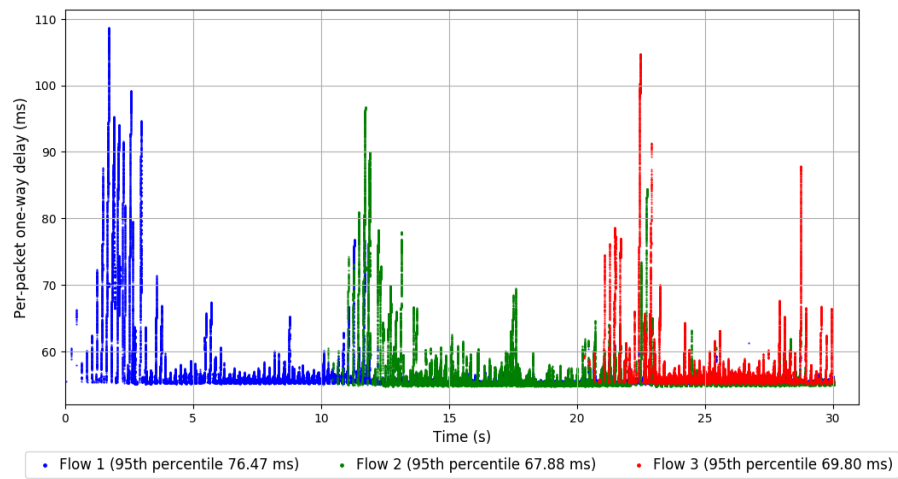
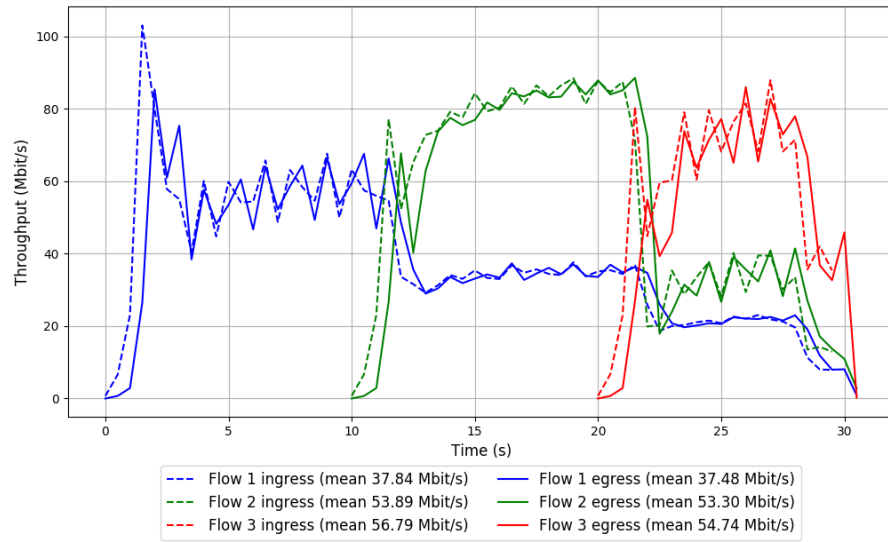


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 04:30:17
End at: 2018-05-22 04:30:47
Local clock offset: -0.331 ms
Remote clock offset: -38.728 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 71.726 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 76.470 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 53.30 Mbit/s
95th percentile per-packet one-way delay: 67.876 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 69.801 ms
Loss rate: 3.60%

Run 3: Report of TCP Cubic — Data Link

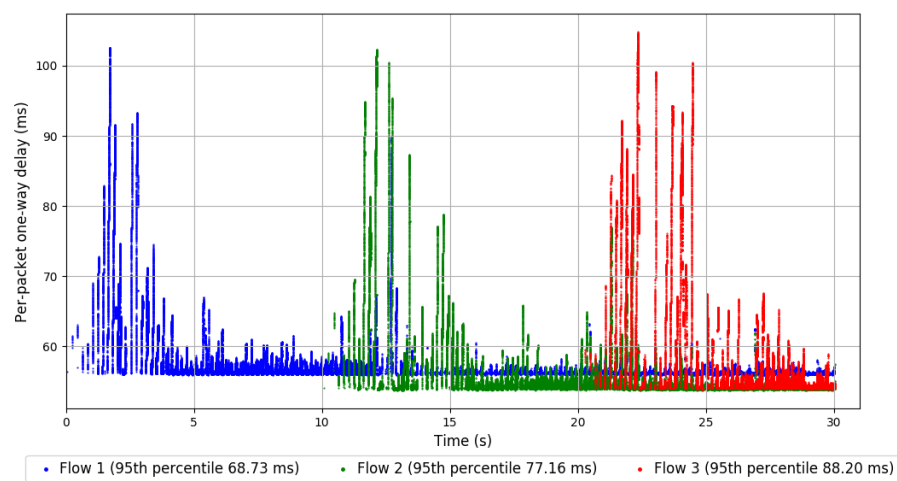
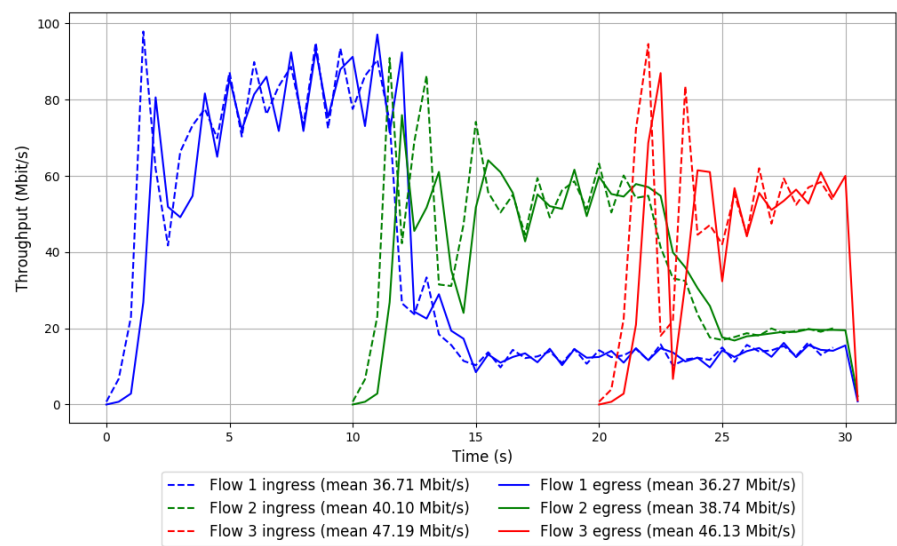


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 04:58:43
End at: 2018-05-22 04:59:13
Local clock offset: 1.857 ms
Remote clock offset: -38.497 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.37 Mbit/s
95th percentile per-packet one-way delay: 79.958 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 68.734 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 77.161 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 88.202 ms
Loss rate: 2.23%

Run 4: Report of TCP Cubic — Data Link

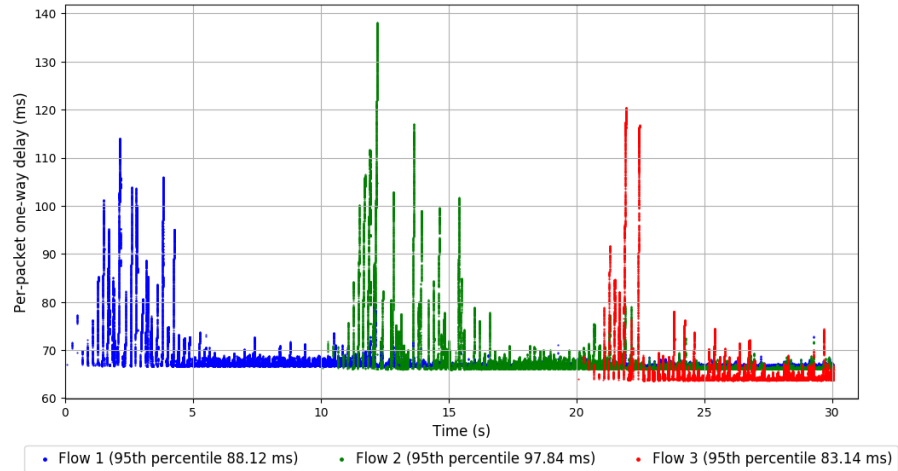
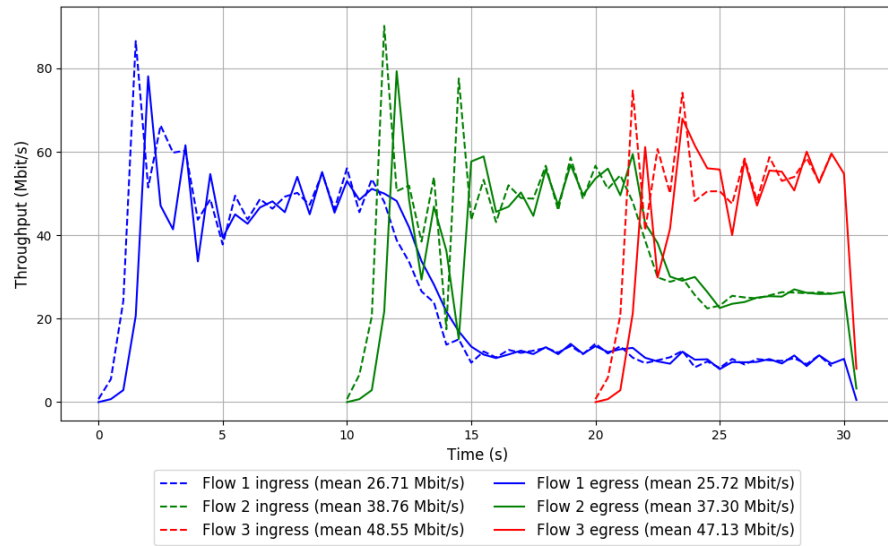


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 05:31:05
End at: 2018-05-22 05:31:35
Local clock offset: -1.653 ms
Remote clock offset: -31.109 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.23 Mbit/s
95th percentile per-packet one-way delay: 92.188 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 88.120 ms
Loss rate: 3.70%
-- Flow 2:
Average throughput: 37.30 Mbit/s
95th percentile per-packet one-way delay: 97.845 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 47.13 Mbit/s
95th percentile per-packet one-way delay: 83.138 ms
Loss rate: 2.91%

Run 5: Report of TCP Cubic — Data Link

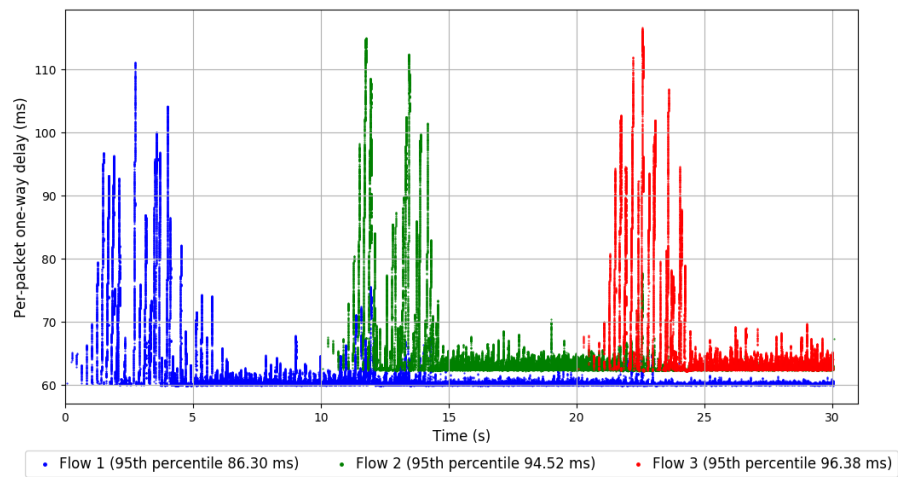
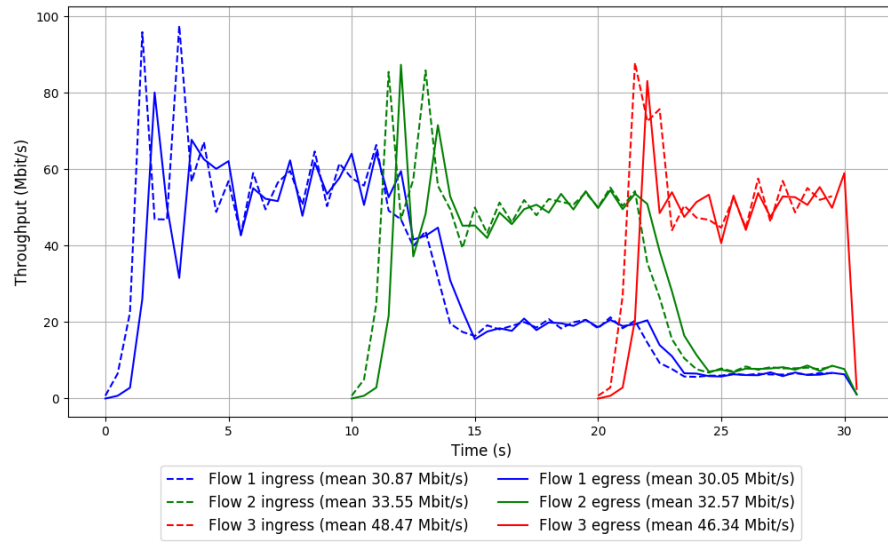


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 05:53:44
End at: 2018-05-22 05:54:14
Local clock offset: 2.164 ms
Remote clock offset: -32.323 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 92.241 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 86.304 ms
Loss rate: 2.64%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 94.517 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 46.34 Mbit/s
95th percentile per-packet one-way delay: 96.376 ms
Loss rate: 4.39%

Run 6: Report of TCP Cubic — Data Link

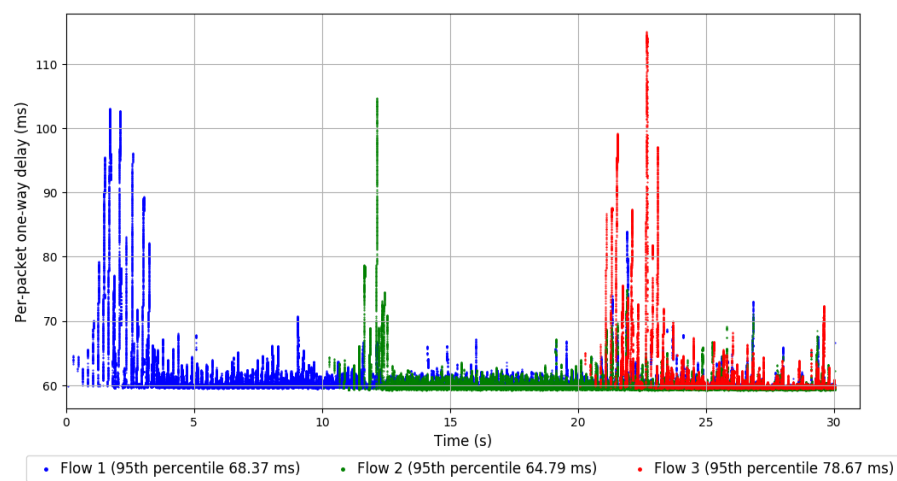
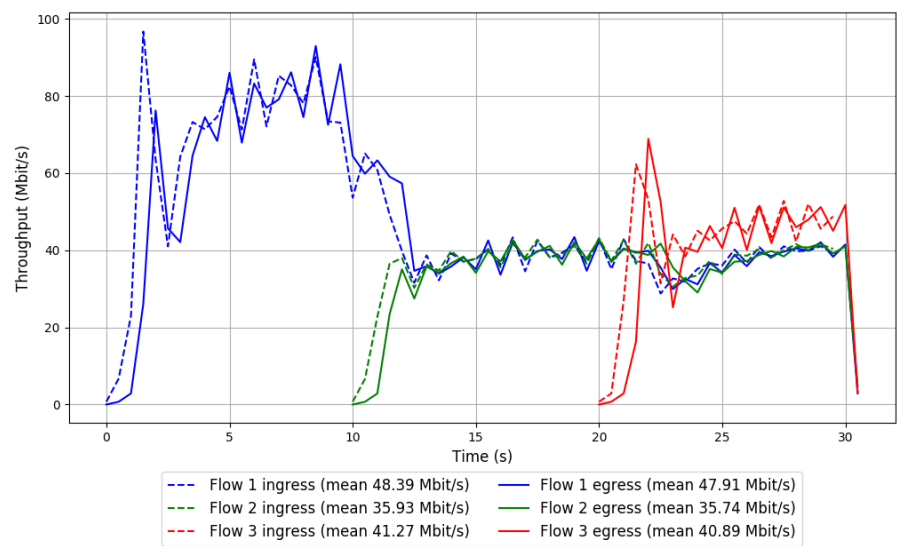


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 06:22:00
End at: 2018-05-22 06:22:30
Local clock offset: 0.266 ms
Remote clock offset: -33.938 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 68.834 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 68.372 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 64.792 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 78.672 ms
Loss rate: 0.92%

Run 7: Report of TCP Cubic — Data Link

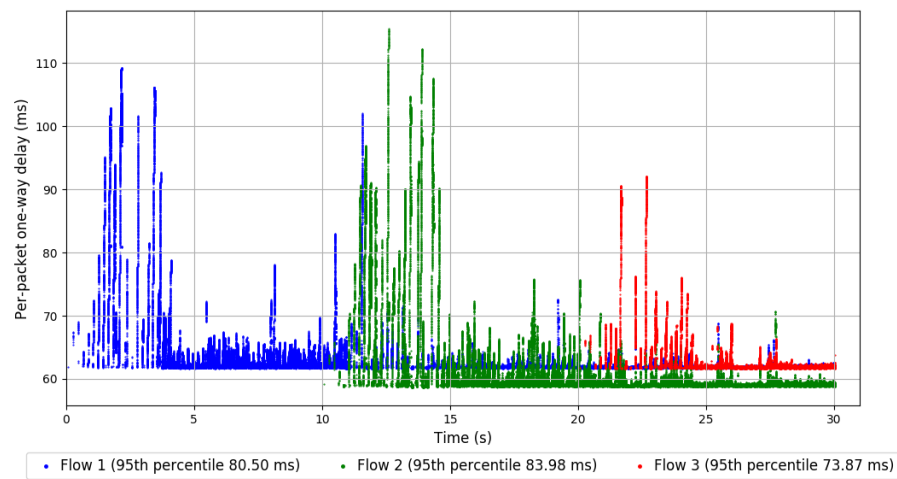
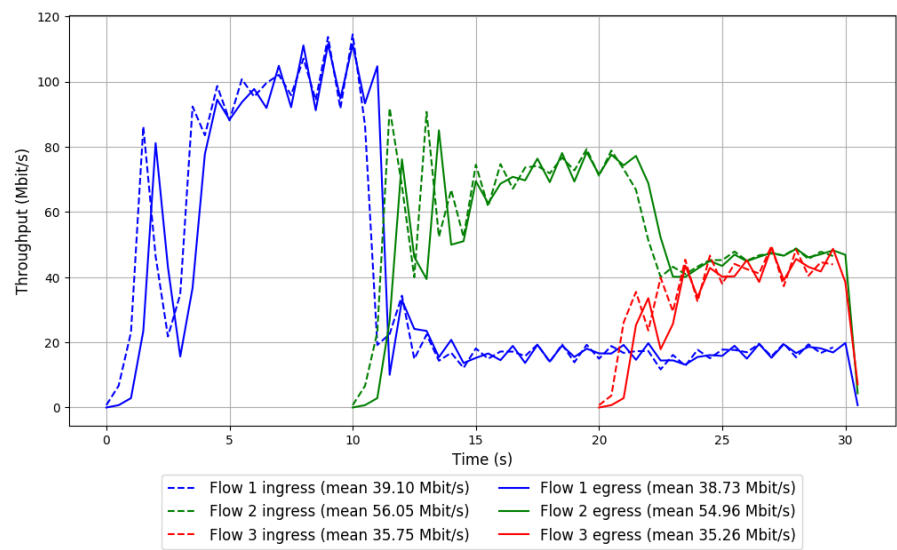


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 06:55:50
End at: 2018-05-22 06:56:20
Local clock offset: -2.725 ms
Remote clock offset: -34.901 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 81.480 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 80.497 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 83.976 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 73.872 ms
Loss rate: 1.37%

Run 8: Report of TCP Cubic — Data Link

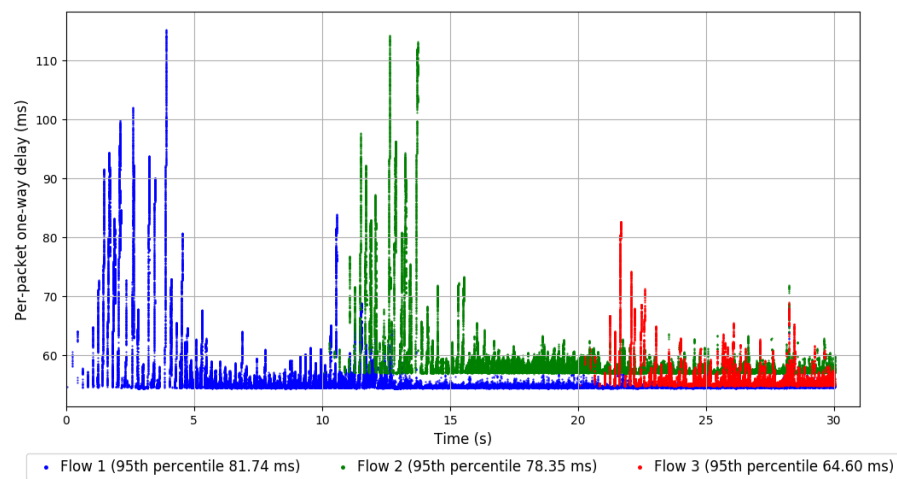
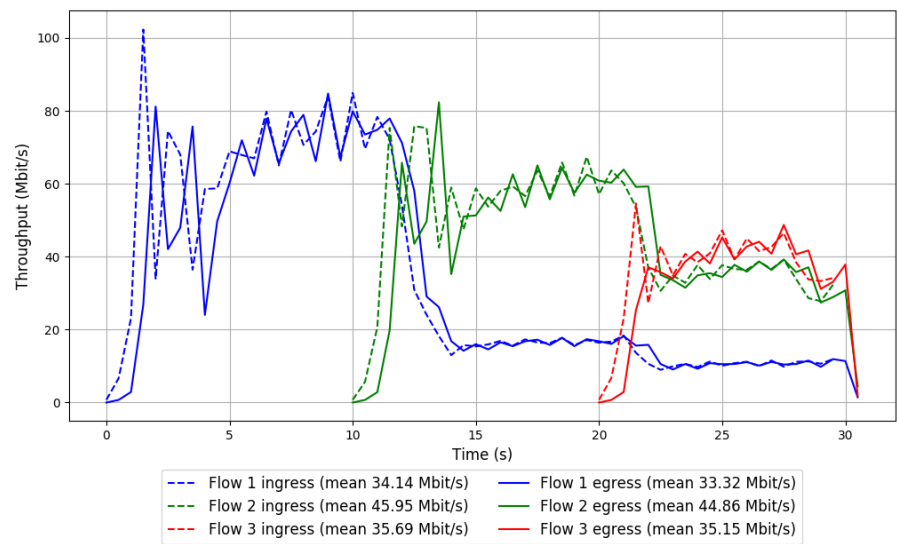


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 07:18:36
End at: 2018-05-22 07:19:06
Local clock offset: -0.032 ms
Remote clock offset: -39.729 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 77.790 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 81.736 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 78.346 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 64.597 ms
Loss rate: 1.52%

Run 9: Report of TCP Cubic — Data Link

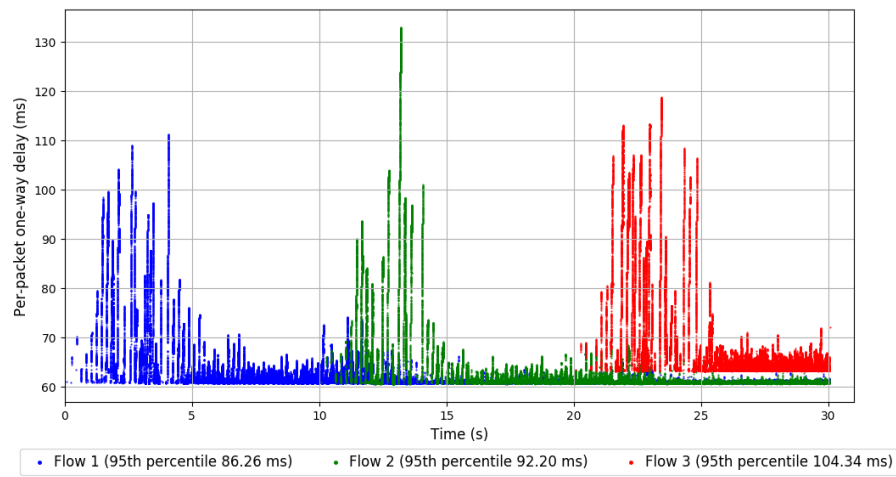
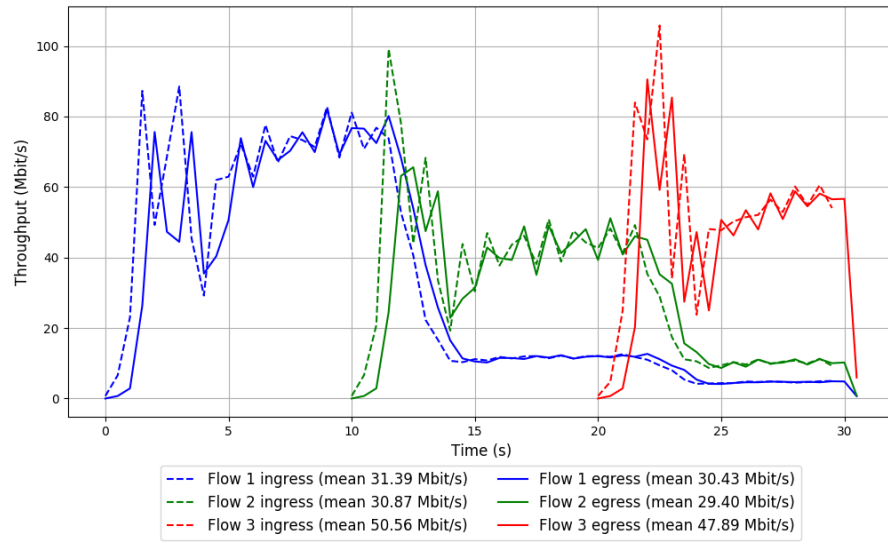


Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 07:41:28
End at: 2018-05-22 07:41:58
Local clock offset: -0.344 ms
Remote clock offset: -32.896 ms

Below is generated by plot.py at 2018-05-22 08:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 94.750 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 92.204 ms
Loss rate: 4.75%
-- Flow 3:
Average throughput: 47.89 Mbit/s
95th percentile per-packet one-way delay: 104.341 ms
Loss rate: 5.23%

Run 10: Report of TCP Cubic — Data Link

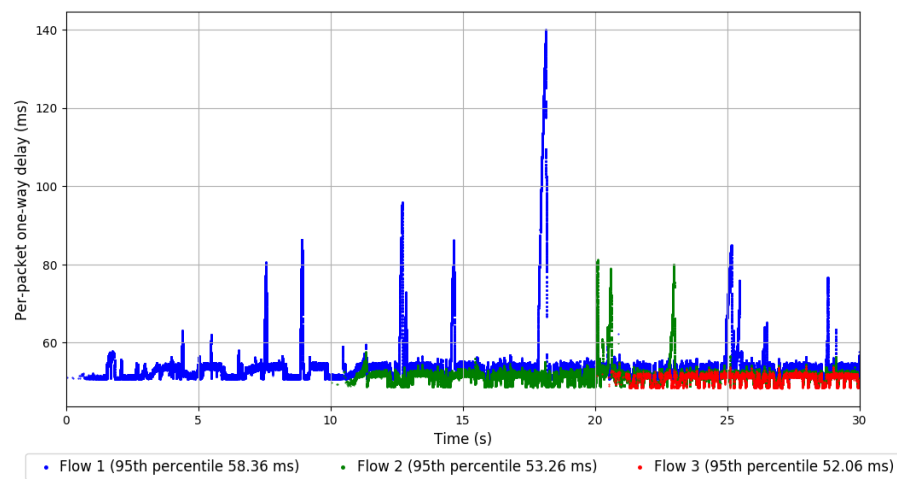
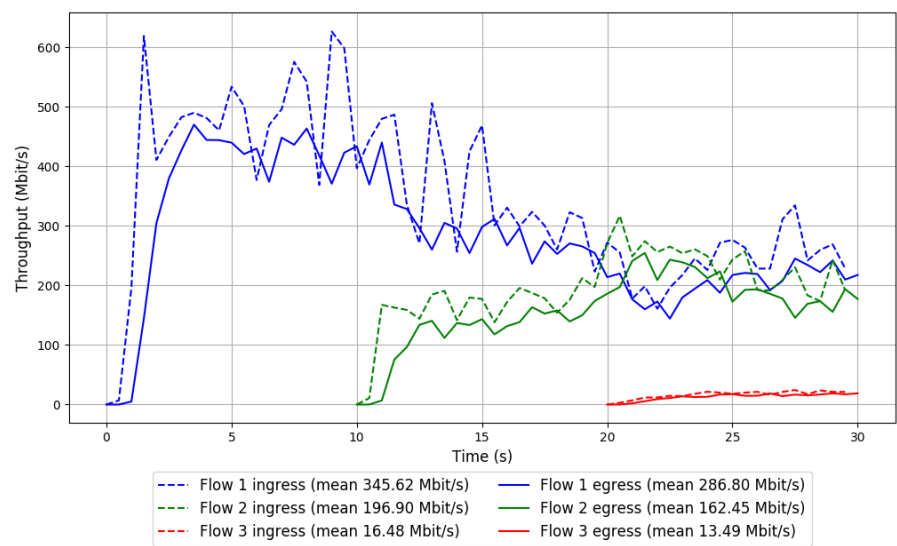


Run 1: Statistics of FillP

Start at: 2018-05-22 03:20:17
End at: 2018-05-22 03:20:47
Local clock offset: 3.18 ms
Remote clock offset: -44.488 ms

Below is generated by plot.py at 2018-05-22 08:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.45 Mbit/s
95th percentile per-packet one-way delay: 56.857 ms
Loss rate: 17.16%
-- Flow 1:
Average throughput: 286.80 Mbit/s
95th percentile per-packet one-way delay: 58.358 ms
Loss rate: 17.02%
-- Flow 2:
Average throughput: 162.45 Mbit/s
95th percentile per-packet one-way delay: 53.257 ms
Loss rate: 17.49%
-- Flow 3:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 52.063 ms
Loss rate: 18.14%

Run 1: Report of FillP — Data Link

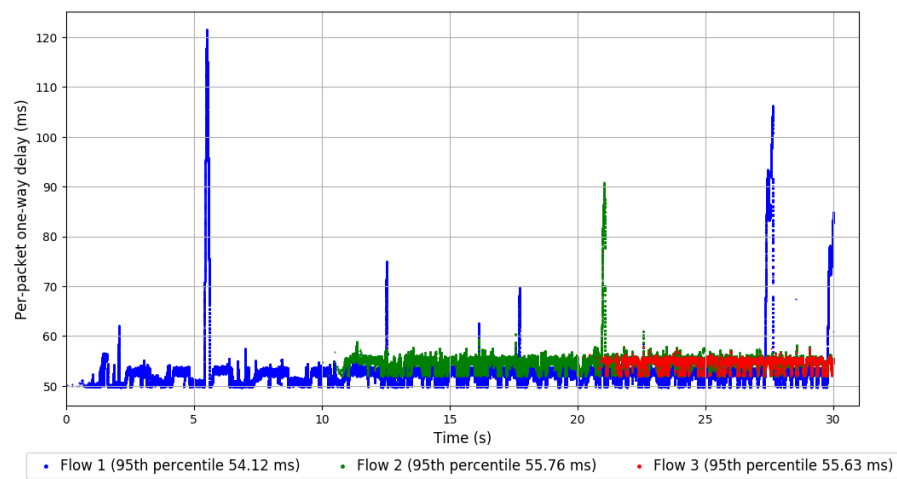
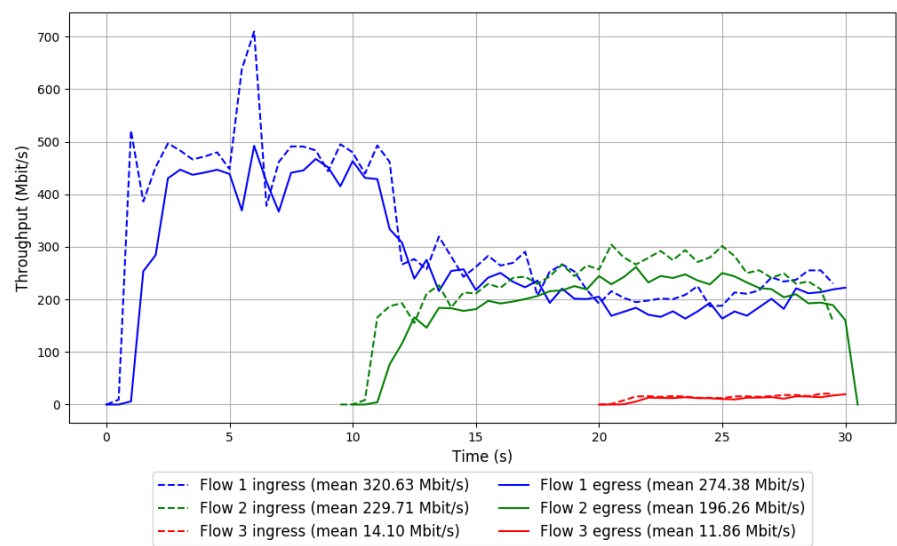


Run 2: Statistics of FillP

Start at: 2018-05-22 03:43:34
End at: 2018-05-22 03:44:04
Local clock offset: 1.337 ms
Remote clock offset: -45.157 ms

Below is generated by plot.py at 2018-05-22 08:07:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.96 Mbit/s
95th percentile per-packet one-way delay: 55.632 ms
Loss rate: 14.47%
-- Flow 1:
Average throughput: 274.38 Mbit/s
95th percentile per-packet one-way delay: 54.115 ms
Loss rate: 14.42%
-- Flow 2:
Average throughput: 196.26 Mbit/s
95th percentile per-packet one-way delay: 55.759 ms
Loss rate: 14.54%
-- Flow 3:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 55.626 ms
Loss rate: 15.88%

Run 2: Report of FillP — Data Link

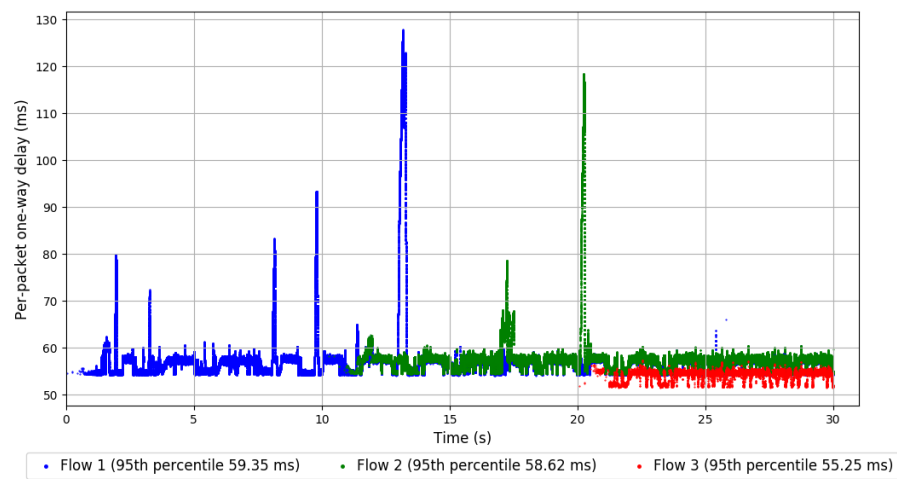
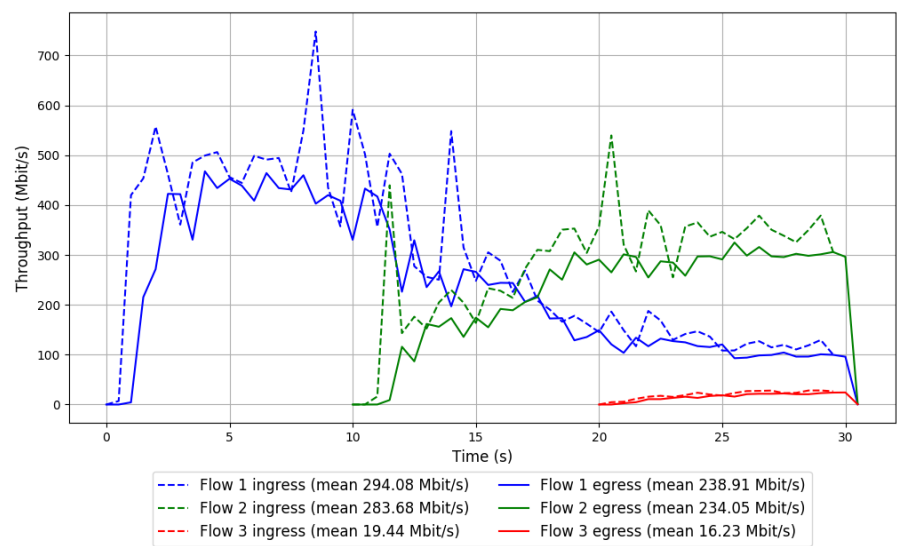


Run 3: Statistics of FillP

Start at: 2018-05-22 04:11:52
End at: 2018-05-22 04:12:22
Local clock offset: -0.701 ms
Remote clock offset: -42.26 ms

Below is generated by plot.py at 2018-05-22 08:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.39 Mbit/s
95th percentile per-packet one-way delay: 58.933 ms
Loss rate: 18.57%
-- Flow 1:
Average throughput: 238.91 Mbit/s
95th percentile per-packet one-way delay: 59.355 ms
Loss rate: 18.77%
-- Flow 2:
Average throughput: 234.05 Mbit/s
95th percentile per-packet one-way delay: 58.619 ms
Loss rate: 18.33%
-- Flow 3:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 55.247 ms
Loss rate: 16.53%

Run 3: Report of FillP — Data Link

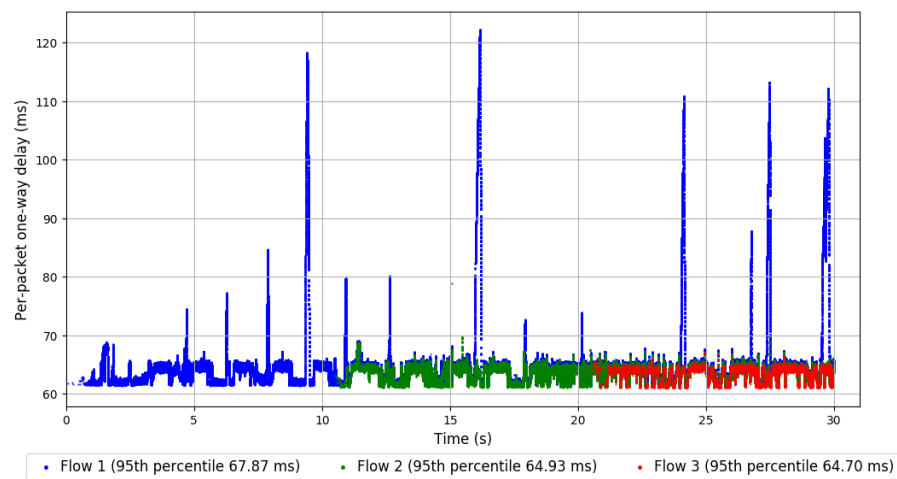
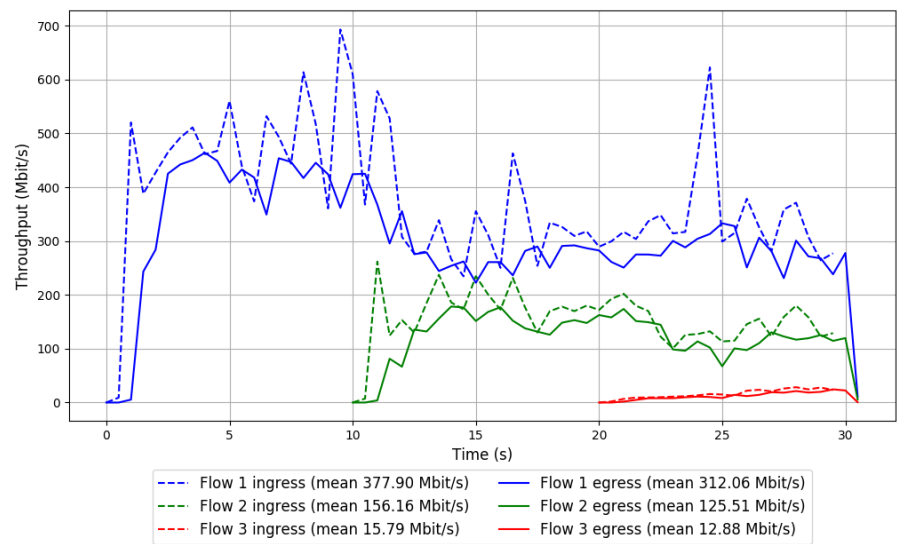


Run 4: Statistics of FillP

Start at: 2018-05-22 04:45:55
End at: 2018-05-22 04:46:25
Local clock offset: -1.035 ms
Remote clock offset: -33.825 ms

Below is generated by plot.py at 2018-05-22 08:07:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.86 Mbit/s
95th percentile per-packet one-way delay: 66.478 ms
Loss rate: 17.90%
-- Flow 1:
Average throughput: 312.06 Mbit/s
95th percentile per-packet one-way delay: 67.874 ms
Loss rate: 17.41%
-- Flow 2:
Average throughput: 125.51 Mbit/s
95th percentile per-packet one-way delay: 64.928 ms
Loss rate: 19.63%
-- Flow 3:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 64.704 ms
Loss rate: 18.42%

Run 4: Report of FillP — Data Link

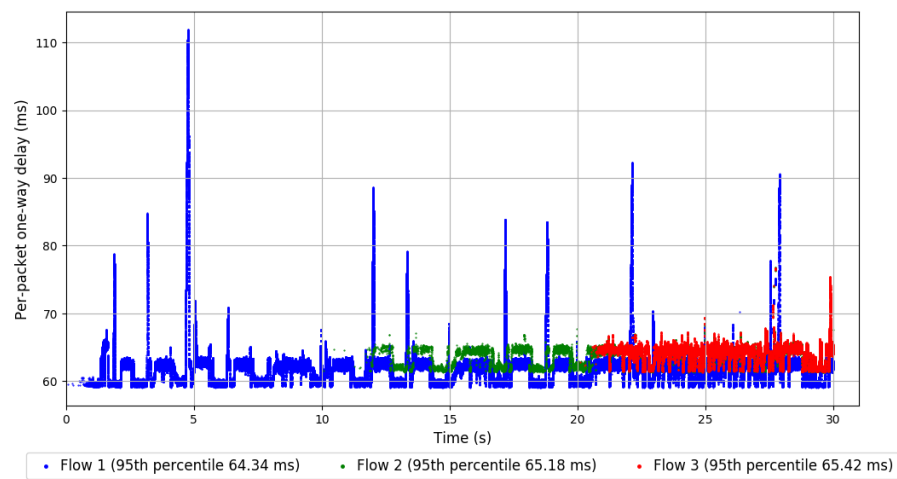
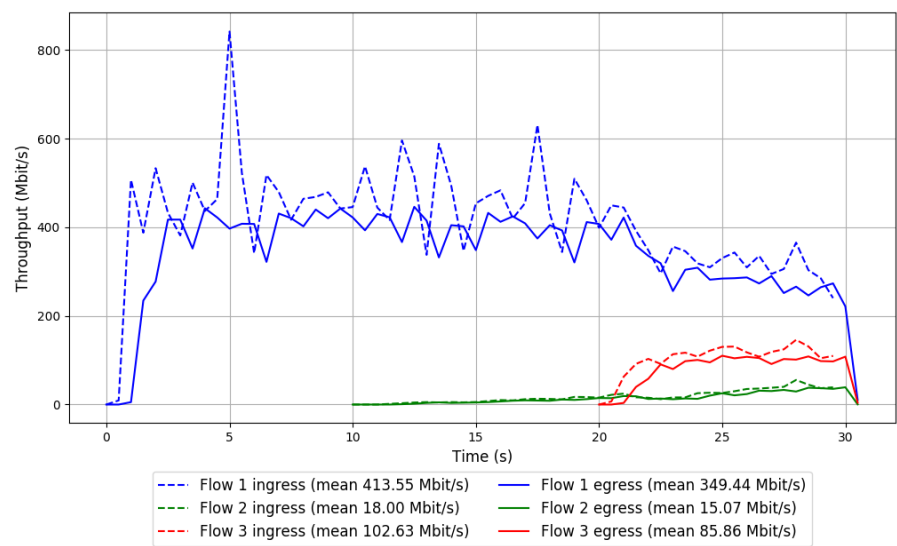


Run 5: Statistics of FillP

Start at: 2018-05-22 05:08:42
End at: 2018-05-22 05:09:12
Local clock offset: -0.406 ms
Remote clock offset: -34.254 ms

Below is generated by plot.py at 2018-05-22 08:07:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.86 Mbit/s
95th percentile per-packet one-way delay: 65.074 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 349.44 Mbit/s
95th percentile per-packet one-way delay: 64.342 ms
Loss rate: 15.49%
-- Flow 2:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 65.184 ms
Loss rate: 16.29%
-- Flow 3:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 65.418 ms
Loss rate: 16.34%

Run 5: Report of FillP — Data Link

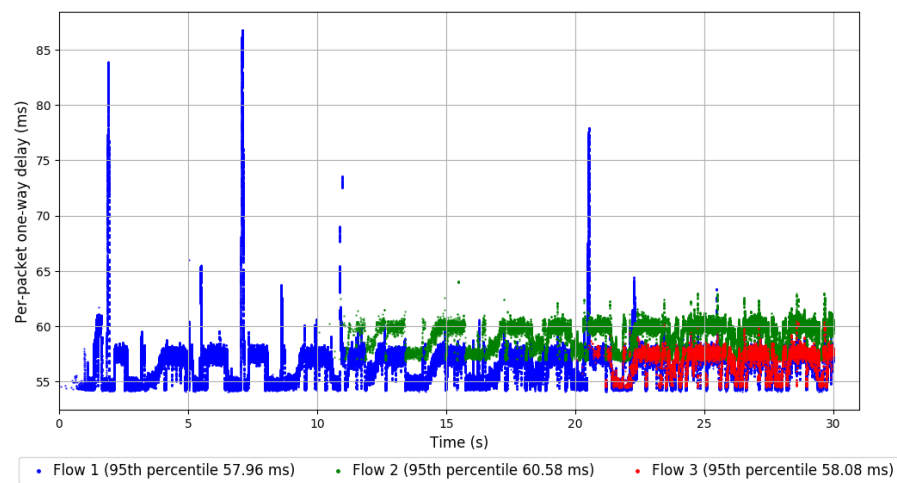
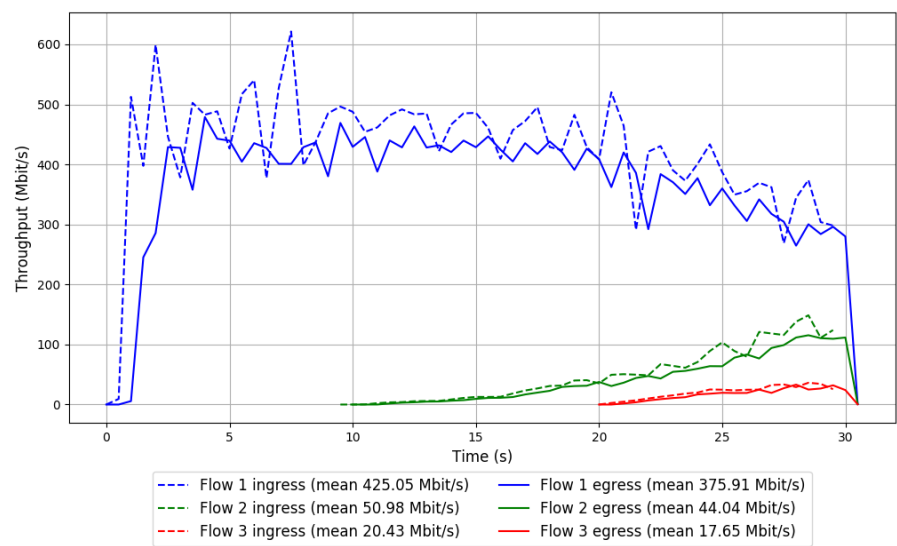


Run 6: Statistics of FillP

Start at: 2018-05-22 05:40:57
End at: 2018-05-22 05:41:27
Local clock offset: 3.416 ms
Remote clock offset: -36.214 ms

Below is generated by plot.py at 2018-05-22 08:07:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.08 Mbit/s
95th percentile per-packet one-way delay: 59.800 ms
Loss rate: 11.73%
-- Flow 1:
Average throughput: 375.91 Mbit/s
95th percentile per-packet one-way delay: 57.958 ms
Loss rate: 11.55%
-- Flow 2:
Average throughput: 44.04 Mbit/s
95th percentile per-packet one-way delay: 60.584 ms
Loss rate: 13.62%
-- Flow 3:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 58.083 ms
Loss rate: 13.60%

Run 6: Report of FillP — Data Link

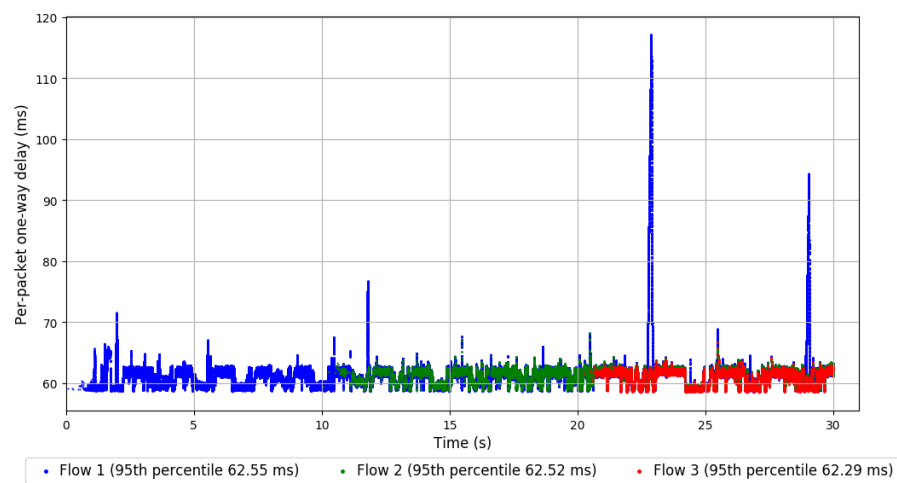
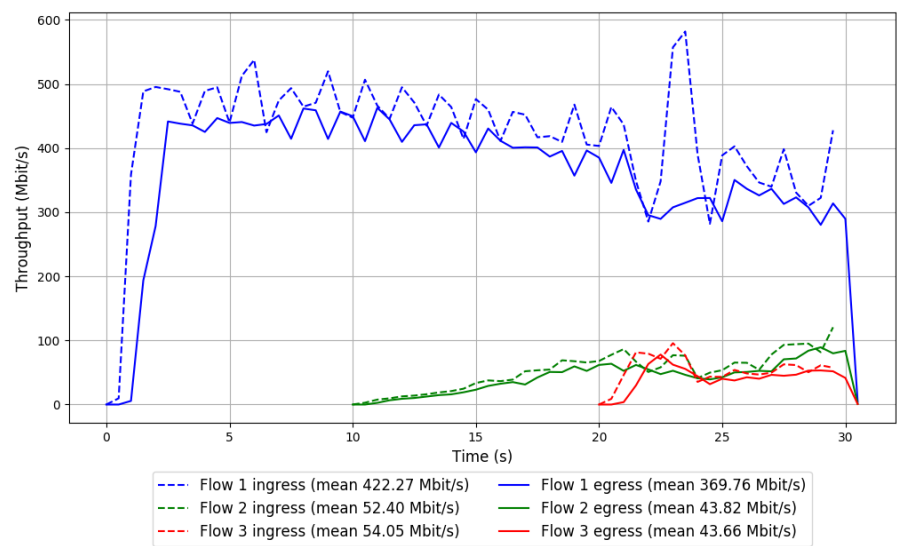


Run 7: Statistics of FillP

Start at: 2018-05-22 06:03:39
End at: 2018-05-22 06:04:09
Local clock offset: -1.045 ms
Remote clock offset: -34.61 ms

Below is generated by plot.py at 2018-05-22 08:08:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.40 Mbit/s
95th percentile per-packet one-way delay: 62.533 ms
Loss rate: 12.97%
-- Flow 1:
Average throughput: 369.76 Mbit/s
95th percentile per-packet one-way delay: 62.548 ms
Loss rate: 12.42%
-- Flow 2:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 62.524 ms
Loss rate: 16.37%
-- Flow 3:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 62.290 ms
Loss rate: 19.23%

Run 7: Report of FillP — Data Link

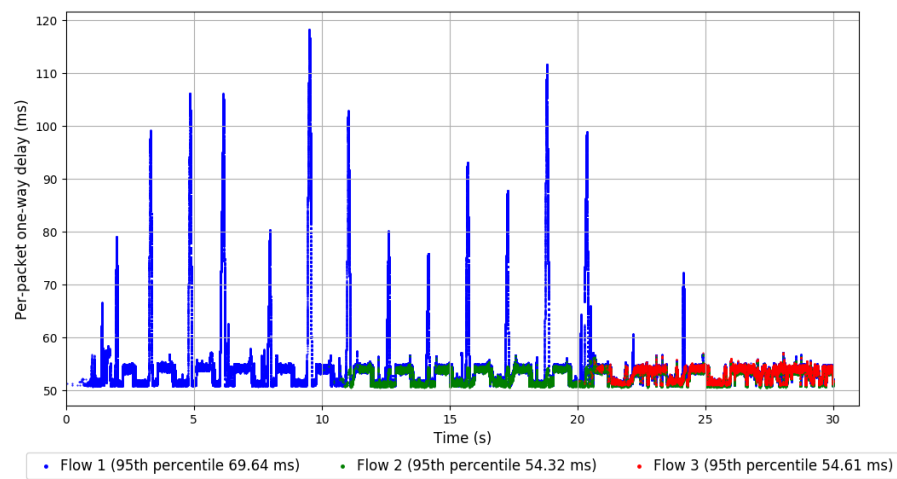
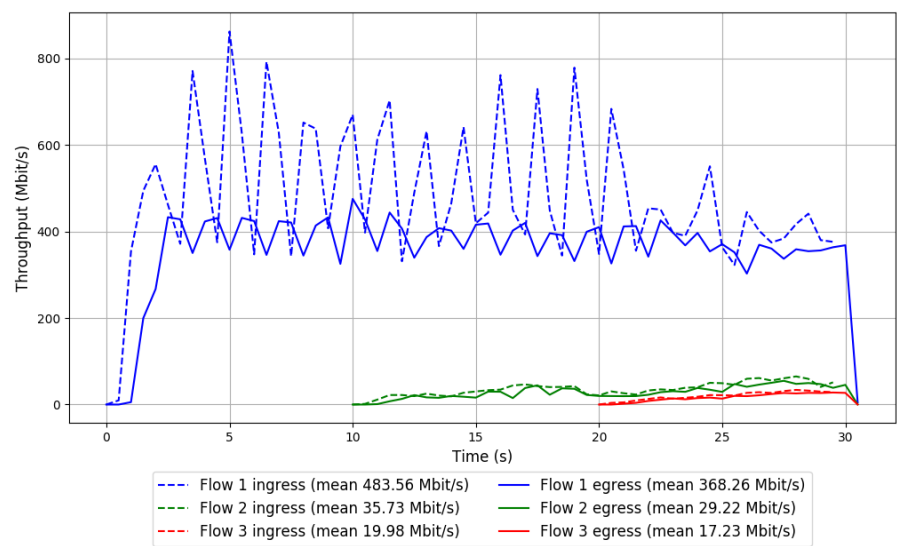


Run 8: Statistics of FillP

Start at: 2018-05-22 06:37:29
End at: 2018-05-22 06:37:59
Local clock offset: 0.594 ms
Remote clock offset: -39.75 ms

Below is generated by plot.py at 2018-05-22 08:09:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.42 Mbit/s
95th percentile per-packet one-way delay: 67.589 ms
Loss rate: 23.45%
-- Flow 1:
Average throughput: 368.26 Mbit/s
95th percentile per-packet one-way delay: 69.644 ms
Loss rate: 23.84%
-- Flow 2:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 54.321 ms
Loss rate: 18.24%
-- Flow 3:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 54.612 ms
Loss rate: 13.79%

Run 8: Report of FillP — Data Link

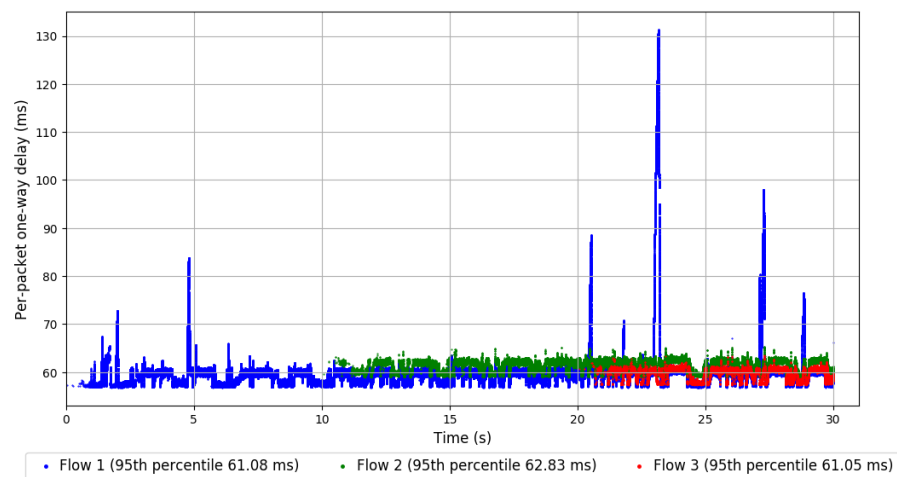
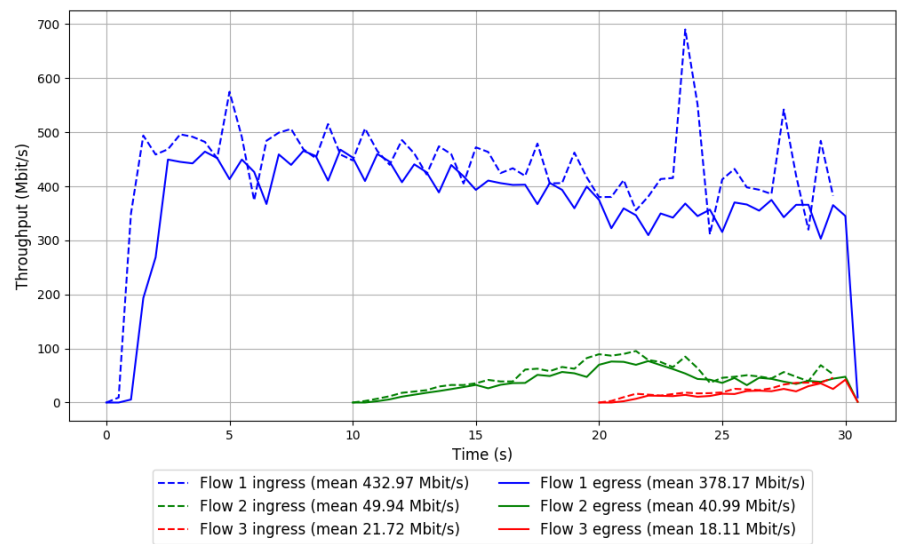


Run 9: Statistics of FillP

Start at: 2018-05-22 07:05:48
End at: 2018-05-22 07:06:18
Local clock offset: 1.463 ms
Remote clock offset: -35.075 ms

Below is generated by plot.py at 2018-05-22 08:13:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.47 Mbit/s
95th percentile per-packet one-way delay: 62.346 ms
Loss rate: 13.07%
-- Flow 1:
Average throughput: 378.17 Mbit/s
95th percentile per-packet one-way delay: 61.077 ms
Loss rate: 12.63%
-- Flow 2:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 62.827 ms
Loss rate: 17.94%
-- Flow 3:
Average throughput: 18.11 Mbit/s
95th percentile per-packet one-way delay: 61.046 ms
Loss rate: 16.61%

Run 9: Report of FillP — Data Link

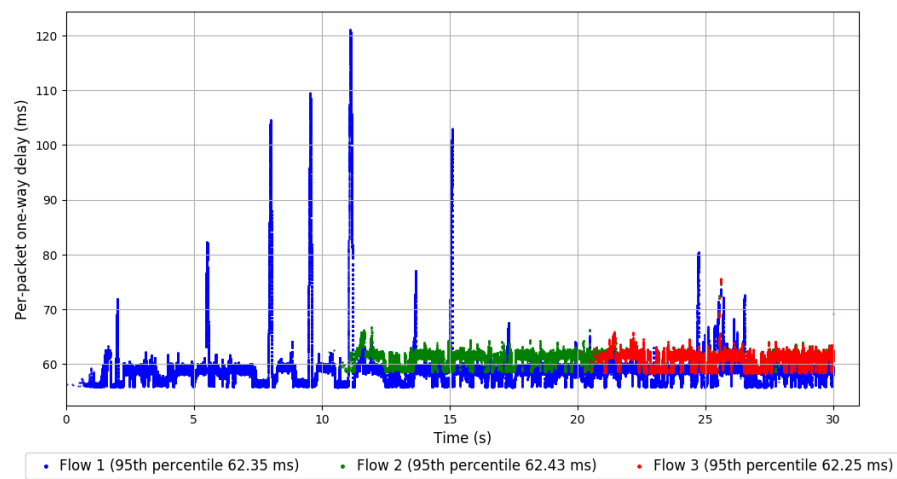
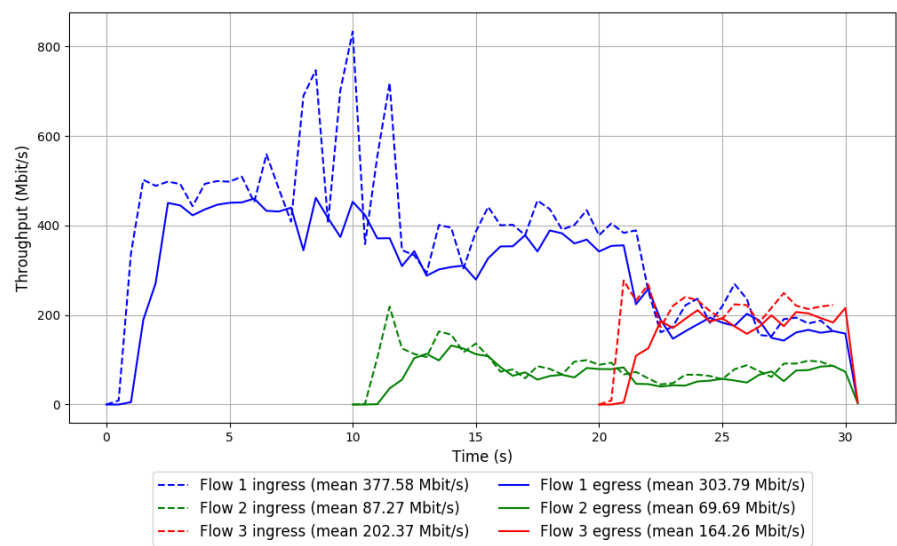


Run 10: Statistics of FillP

Start at: 2018-05-22 07:28:38
End at: 2018-05-22 07:29:08
Local clock offset: 1.015 ms
Remote clock offset: -37.058 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.17 Mbit/s
95th percentile per-packet one-way delay: 62.342 ms
Loss rate: 19.59%
-- Flow 1:
Average throughput: 303.79 Mbit/s
95th percentile per-packet one-way delay: 62.354 ms
Loss rate: 19.51%
-- Flow 2:
Average throughput: 69.69 Mbit/s
95th percentile per-packet one-way delay: 62.428 ms
Loss rate: 20.97%
-- Flow 3:
Average throughput: 164.26 Mbit/s
95th percentile per-packet one-way delay: 62.250 ms
Loss rate: 18.84%

Run 10: Report of FillP — Data Link

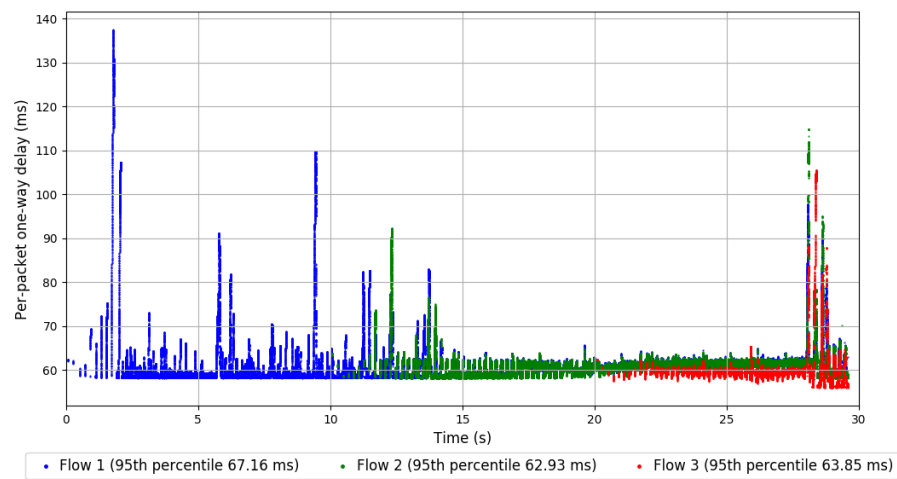
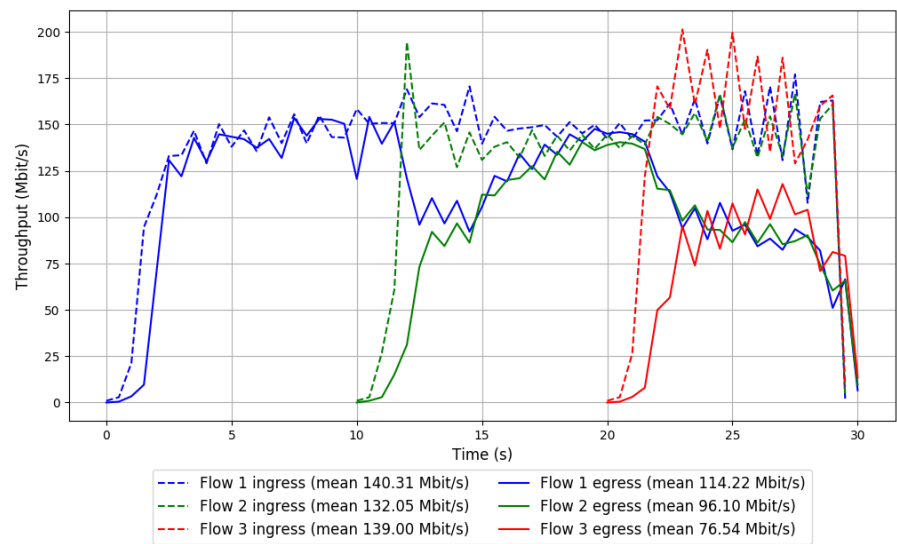


```
Run 1: Statistics of Indigo

Start at: 2018-05-22 03:30:29
End at: 2018-05-22 03:30:59
Local clock offset: 2.221 ms
Remote clock offset: -38.126 ms

# Below is generated by plot.py at 2018-05-22 08:13:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 202.35 Mbit/s
95th percentile per-packet one-way delay: 65.259 ms
Loss rate: 25.70%
-- Flow 1:
Average throughput: 114.22 Mbit/s
95th percentile per-packet one-way delay: 67.162 ms
Loss rate: 18.60%
-- Flow 2:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 27.24%
-- Flow 3:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 63.850 ms
Loss rate: 44.97%
```


Run 1: Report of Indigo — Data Link

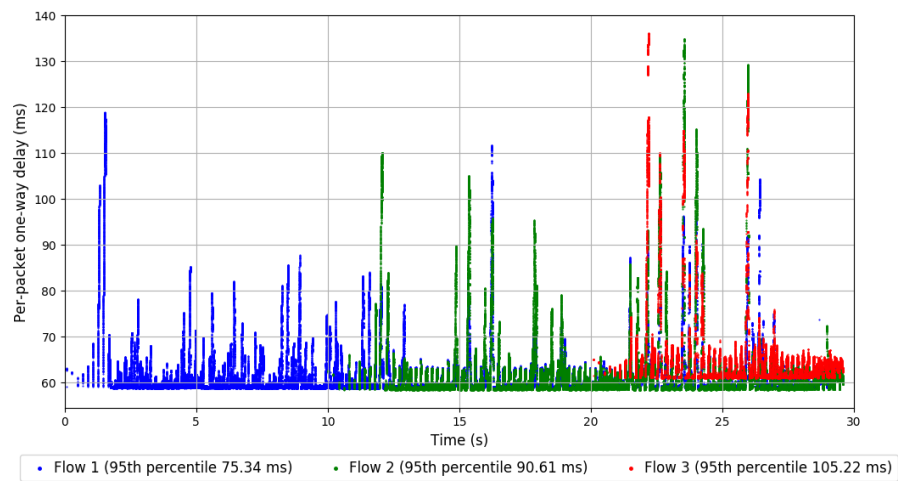
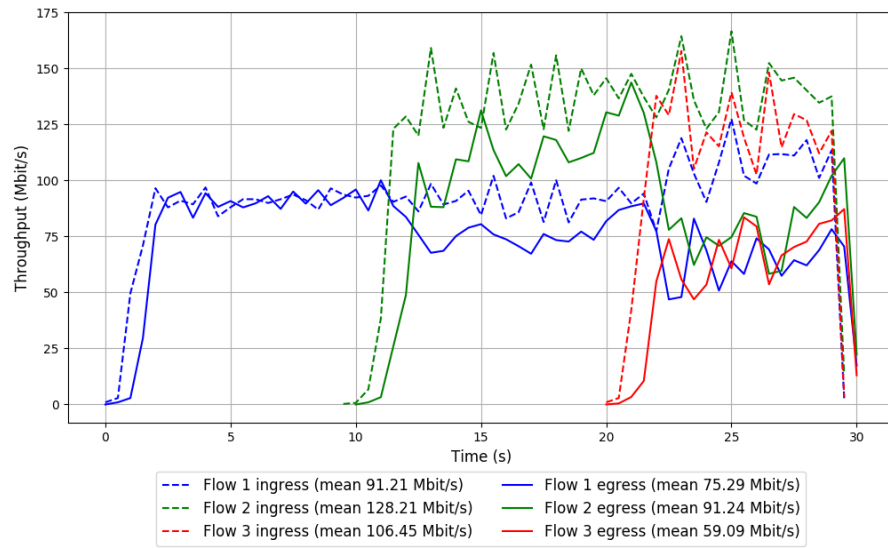


Run 2: Statistics of Indigo

Start at: 2018-05-22 03:53:38
End at: 2018-05-22 03:54:08
Local clock offset: 0.012 ms
Remote clock offset: -37.441 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.80 Mbit/s
95th percentile per-packet one-way delay: 82.765 ms
Loss rate: 26.45%
-- Flow 1:
Average throughput: 75.29 Mbit/s
95th percentile per-packet one-way delay: 75.340 ms
Loss rate: 17.45%
-- Flow 2:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 90.606 ms
Loss rate: 28.84%
-- Flow 3:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 105.225 ms
Loss rate: 44.49%

Run 2: Report of Indigo — Data Link

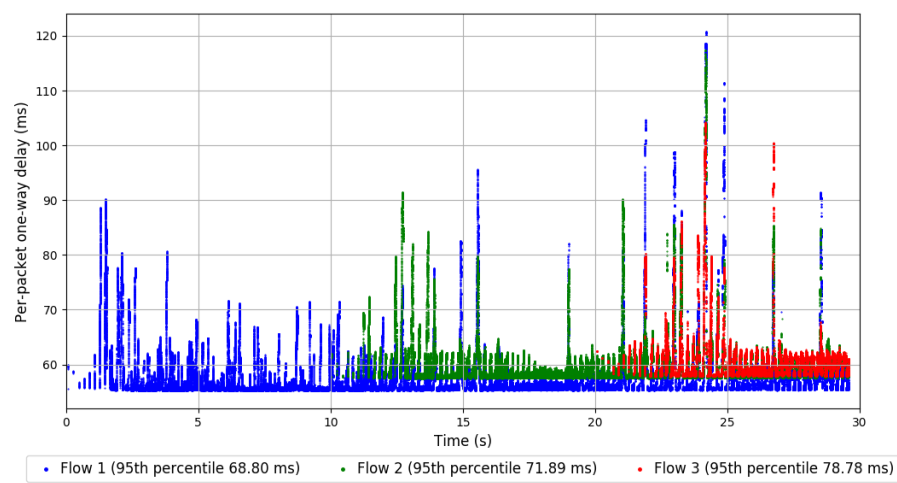
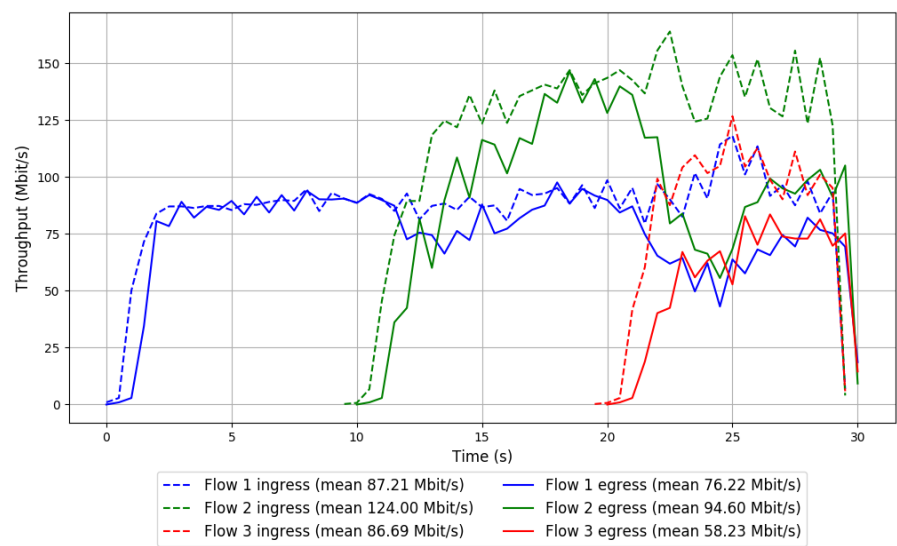


Run 3: Statistics of Indigo

Start at: 2018-05-22 04:27:32
End at: 2018-05-22 04:28:02
Local clock offset: -1.267 ms
Remote clock offset: -38.963 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.67 Mbit/s
95th percentile per-packet one-way delay: 71.899 ms
Loss rate: 20.09%
-- Flow 1:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 68.803 ms
Loss rate: 12.59%
-- Flow 2:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 71.888 ms
Loss rate: 23.71%
-- Flow 3:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 78.785 ms
Loss rate: 32.85%

Run 3: Report of Indigo — Data Link

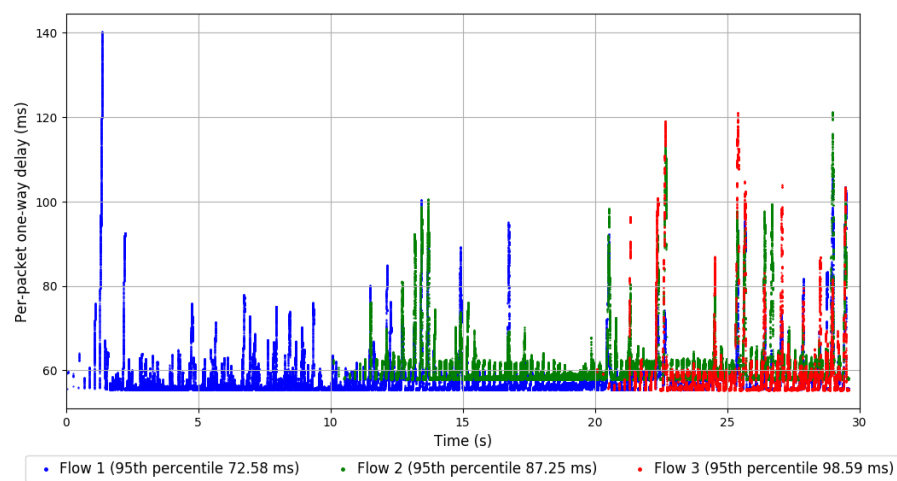
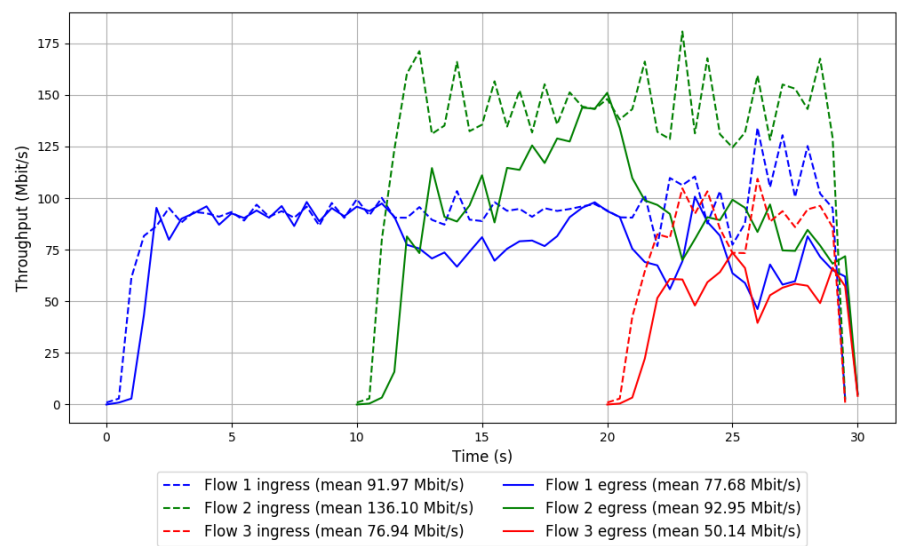


Run 4: Statistics of Indigo

Start at: 2018-05-22 04:55:59
End at: 2018-05-22 04:56:29
Local clock offset: 1.866 ms
Remote clock offset: -36.92 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.13 Mbit/s
95th percentile per-packet one-way delay: 82.360 ms
Loss rate: 24.89%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 72.584 ms
Loss rate: 15.54%
-- Flow 2:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 87.250 ms
Loss rate: 31.72%
-- Flow 3:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 98.592 ms
Loss rate: 34.87%

Run 4: Report of Indigo — Data Link

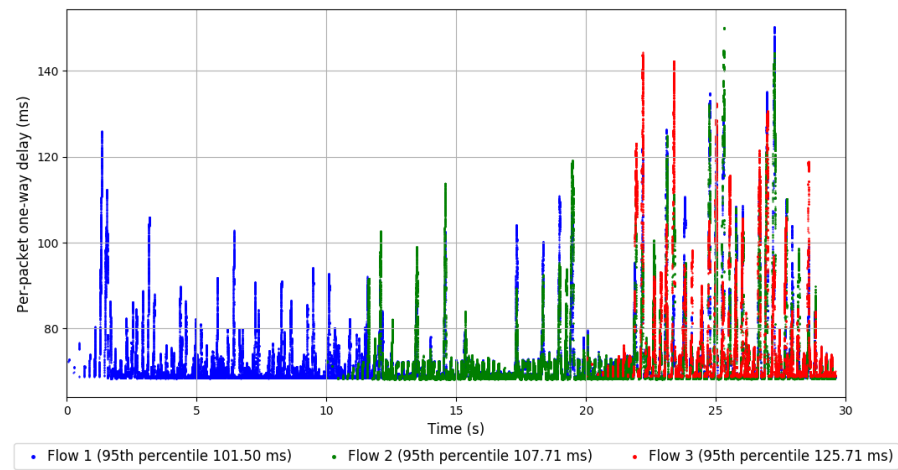
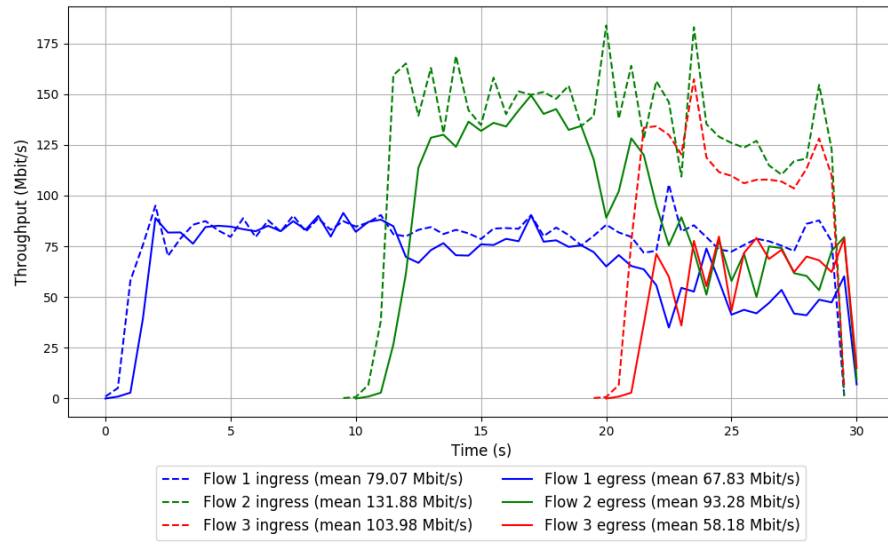


Run 5: Statistics of Indigo

Start at: 2018-05-22 05:28:21
End at: 2018-05-22 05:28:51
Local clock offset: -0.803 ms
Remote clock offset: -24.95 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.52 Mbit/s
95th percentile per-packet one-way delay: 109.585 ms
Loss rate: 25.81%
-- Flow 1:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 101.498 ms
Loss rate: 14.22%
-- Flow 2:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 107.714 ms
Loss rate: 29.27%
-- Flow 3:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 125.713 ms
Loss rate: 44.04%

Run 5: Report of Indigo — Data Link

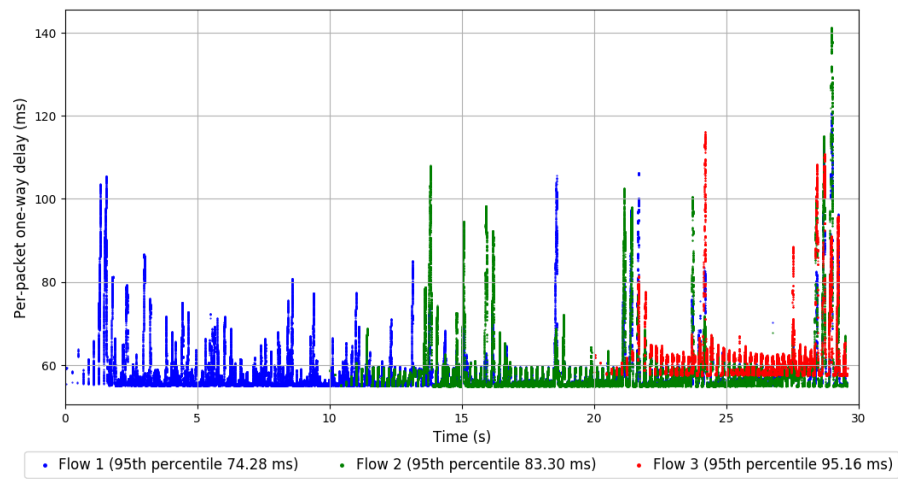
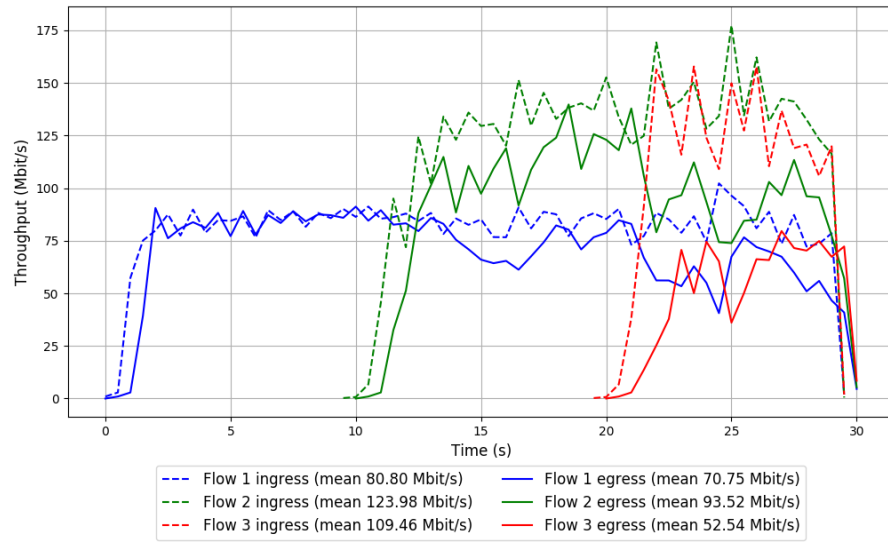


Run 6: Statistics of Indigo

Start at: 2018-05-22 05:51:02
End at: 2018-05-22 05:51:32
Local clock offset: 0.371 ms
Remote clock offset: -38.969 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.69 Mbit/s
95th percentile per-packet one-way delay: 79.823 ms
Loss rate: 24.54%
-- Flow 1:
Average throughput: 70.75 Mbit/s
95th percentile per-packet one-way delay: 74.284 ms
Loss rate: 12.45%
-- Flow 2:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 83.304 ms
Loss rate: 24.58%
-- Flow 3:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 95.157 ms
Loss rate: 52.00%

Run 6: Report of Indigo — Data Link

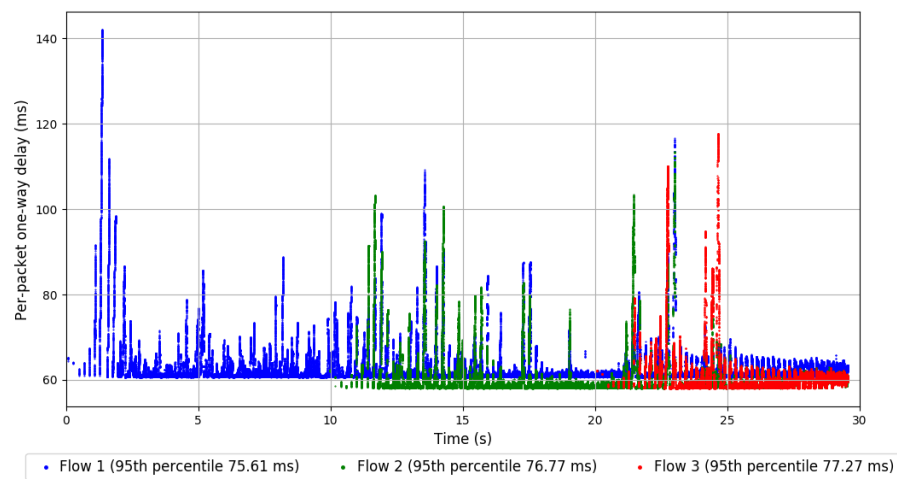
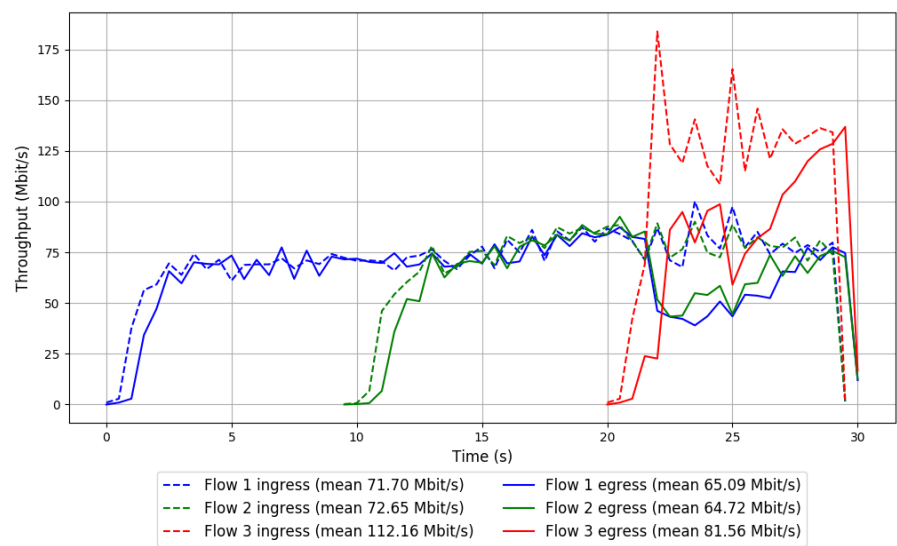


Run 7: Statistics of Indigo

Start at: 2018-05-22 06:19:18
End at: 2018-05-22 06:19:48
Local clock offset: -2.853 ms
Remote clock offset: -36.098 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.29 Mbit/s
95th percentile per-packet one-way delay: 76.187 ms
Loss rate: 13.93%
-- Flow 1:
Average throughput: 65.09 Mbit/s
95th percentile per-packet one-way delay: 75.613 ms
Loss rate: 9.22%
-- Flow 2:
Average throughput: 64.72 Mbit/s
95th percentile per-packet one-way delay: 76.773 ms
Loss rate: 10.92%
-- Flow 3:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: 77.268 ms
Loss rate: 27.30%

Run 7: Report of Indigo — Data Link

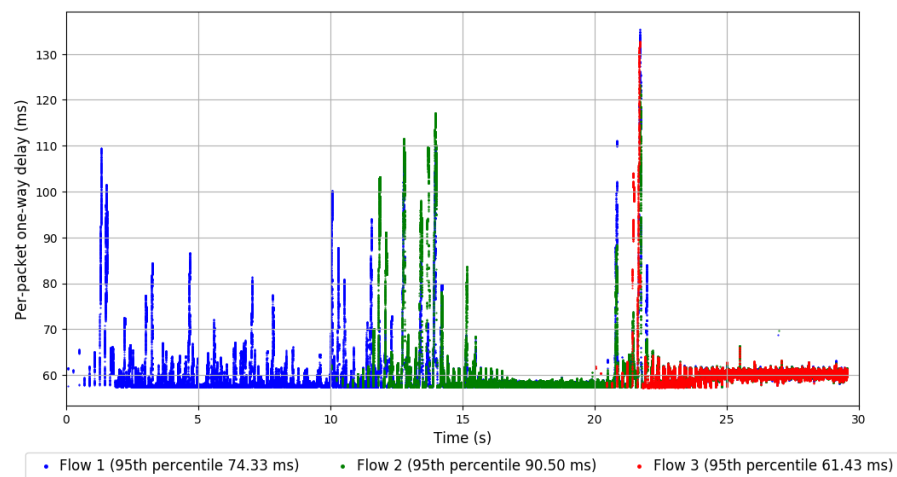
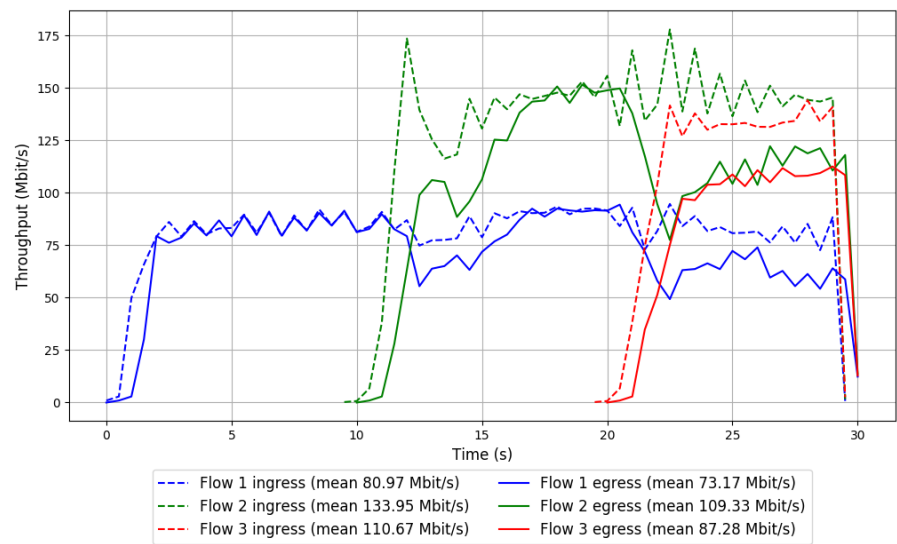


Run 8: Statistics of Indigo

Start at: 2018-05-22 06:53:04
End at: 2018-05-22 06:53:34
Local clock offset: -0.393 ms
Remote clock offset: -33.92 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.78 Mbit/s
95th percentile per-packet one-way delay: 77.016 ms
Loss rate: 15.41%
-- Flow 1:
Average throughput: 73.17 Mbit/s
95th percentile per-packet one-way delay: 74.334 ms
Loss rate: 9.62%
-- Flow 2:
Average throughput: 109.33 Mbit/s
95th percentile per-packet one-way delay: 90.505 ms
Loss rate: 18.38%
-- Flow 3:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 61.428 ms
Loss rate: 21.14%

Run 8: Report of Indigo — Data Link

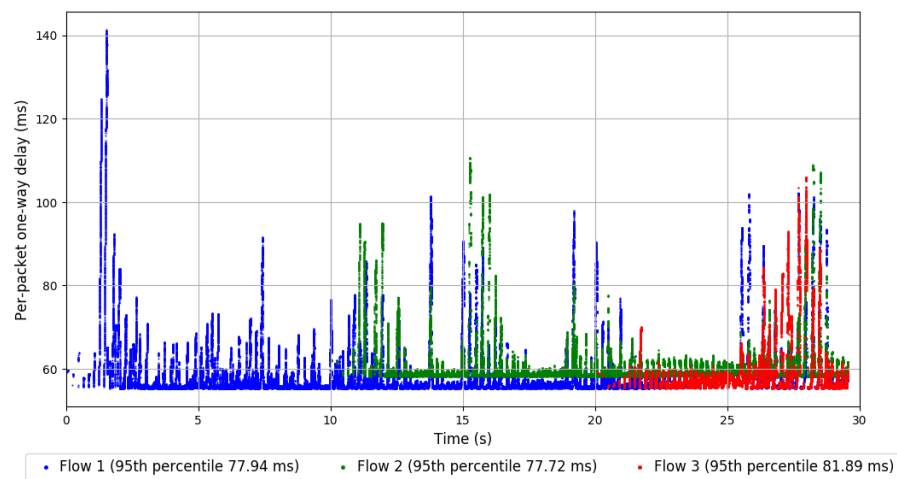
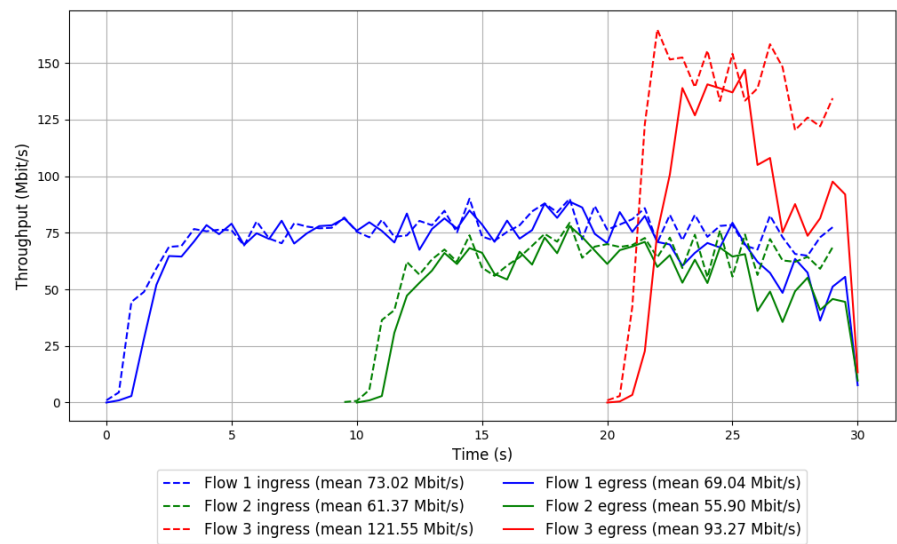


Run 9: Statistics of Indigo

Start at: 2018-05-22 07:15:54
End at: 2018-05-22 07:16:24
Local clock offset: 2.407 ms
Remote clock offset: -36.266 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.95 Mbit/s
95th percentile per-packet one-way delay: 79.321 ms
Loss rate: 10.92%
-- Flow 1:
Average throughput: 69.04 Mbit/s
95th percentile per-packet one-way delay: 77.944 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 77.725 ms
Loss rate: 8.92%
-- Flow 3:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 81.885 ms
Loss rate: 23.27%

Run 9: Report of Indigo — Data Link

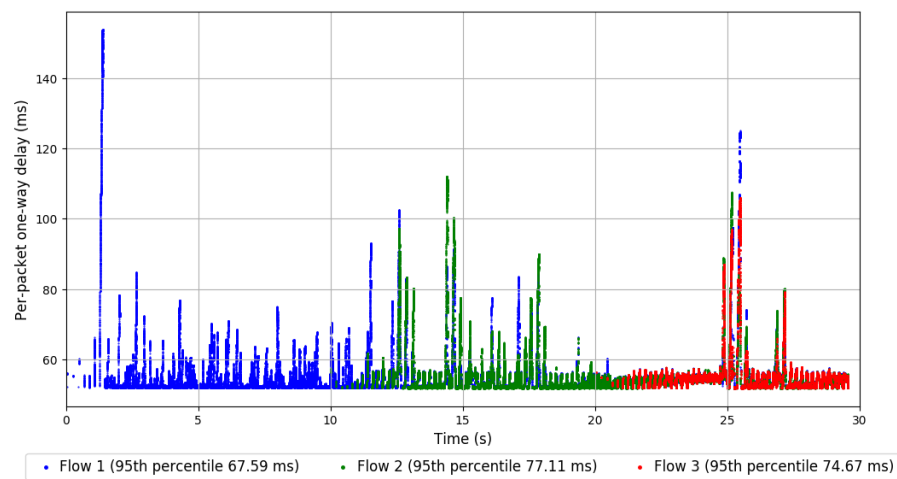
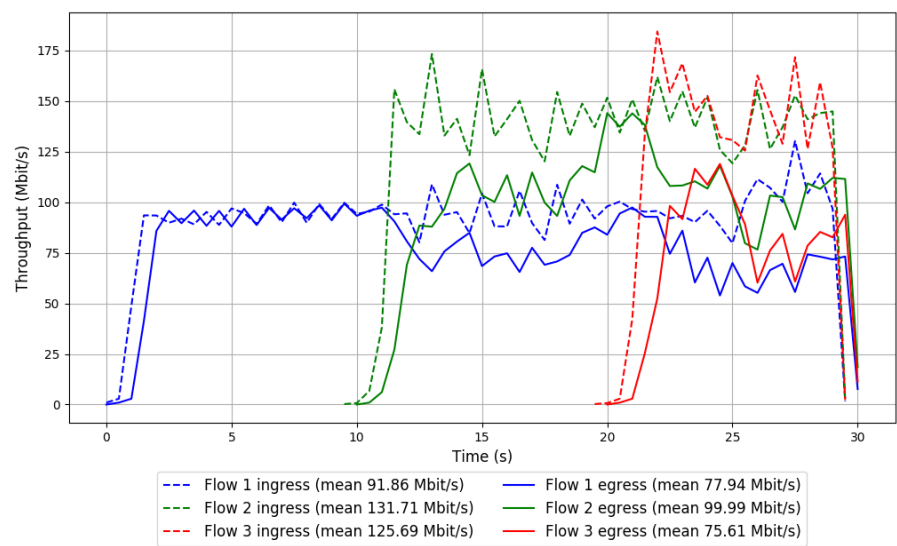


Run 10: Statistics of Indigo

Start at: 2018-05-22 07:38:43
End at: 2018-05-22 07:39:13
Local clock offset: 1.643 ms
Remote clock offset: -39.635 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.60 Mbit/s
95th percentile per-packet one-way delay: 72.913 ms
Loss rate: 23.26%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 67.590 ms
Loss rate: 15.15%
-- Flow 2:
Average throughput: 99.99 Mbit/s
95th percentile per-packet one-way delay: 77.106 ms
Loss rate: 24.09%
-- Flow 3:
Average throughput: 75.61 Mbit/s
95th percentile per-packet one-way delay: 74.668 ms
Loss rate: 39.85%

Run 10: Report of Indigo — Data Link

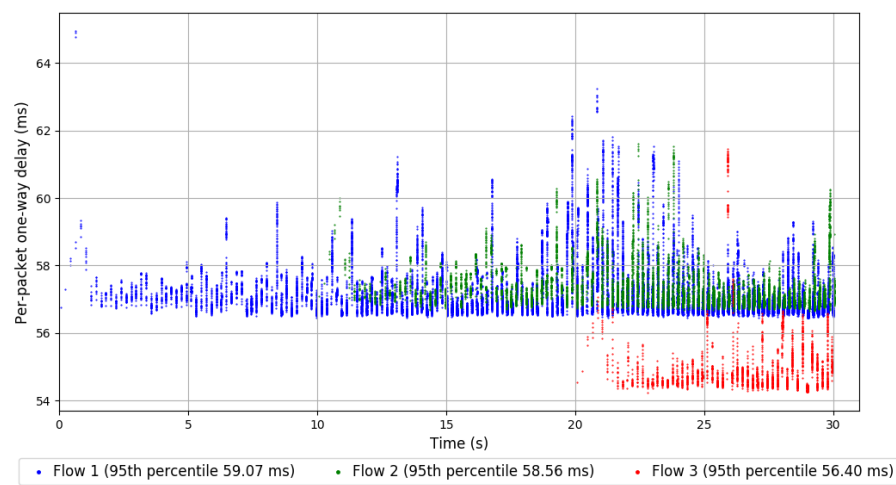
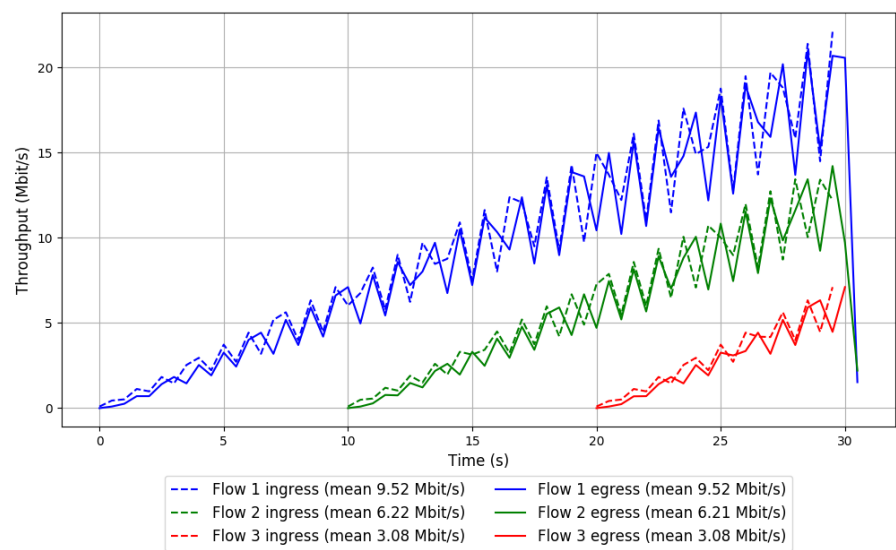


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 03:26:31
End at: 2018-05-22 03:27:01
Local clock offset: 2.678 ms
Remote clock offset: -39.324 ms

# Below is generated by plot.py at 2018-05-22 08:13:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 58.866 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 59.072 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.21 Mbit/s
95th percentile per-packet one-way delay: 58.561 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 56.404 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

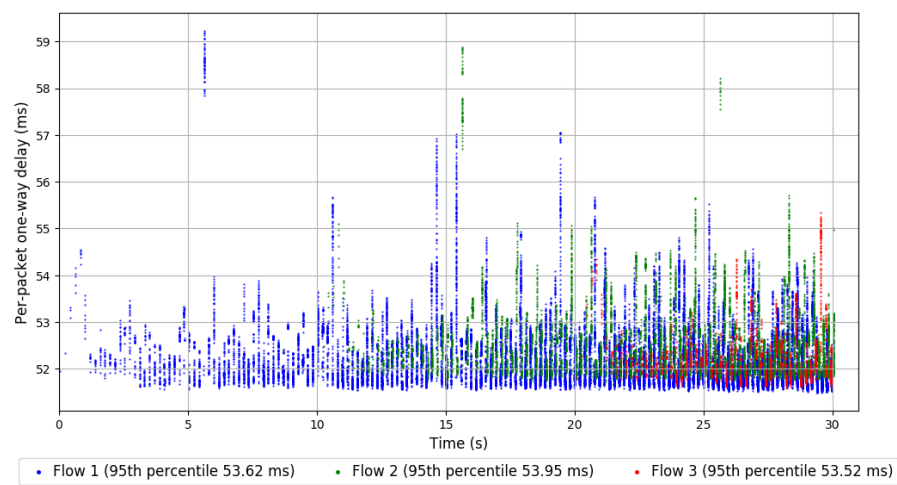
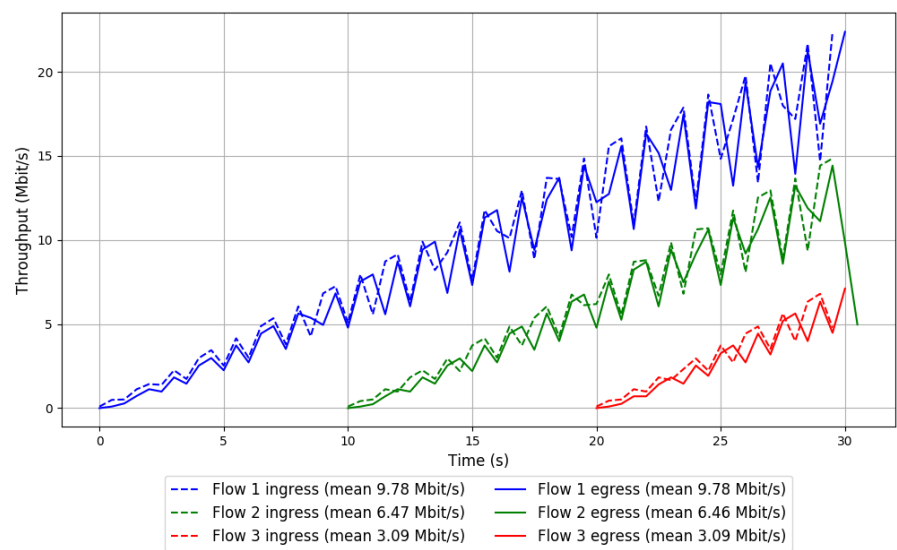


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 03:49:40
End at: 2018-05-22 03:50:10
Local clock offset: -0.092 ms
Remote clock offset: -44.469 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 53.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 53.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 53.947 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 53.524 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

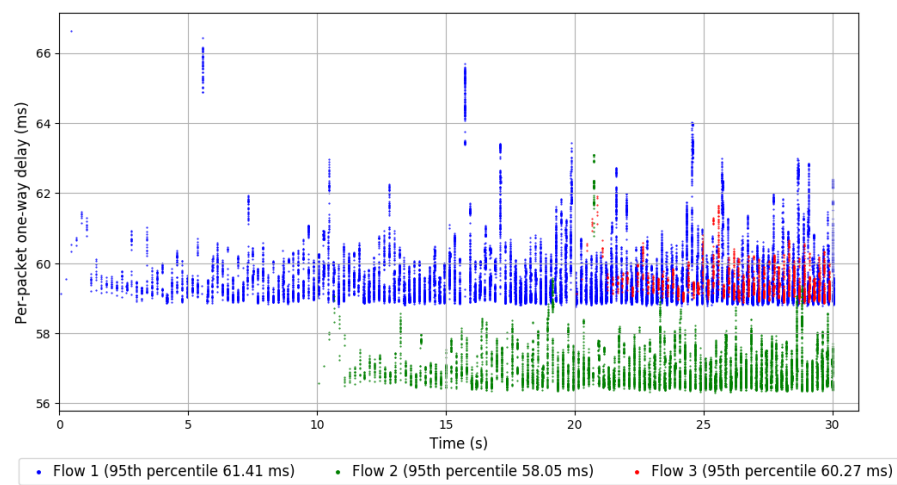
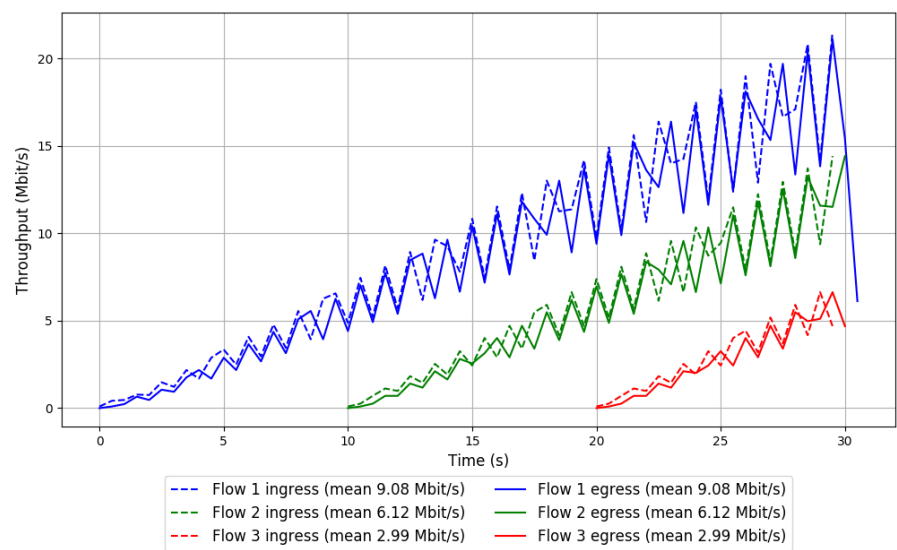


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 04:23:28
End at: 2018-05-22 04:23:58
Local clock offset: -2.123 ms
Remote clock offset: -38.28 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 60.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 61.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 58.046 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 60.271 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

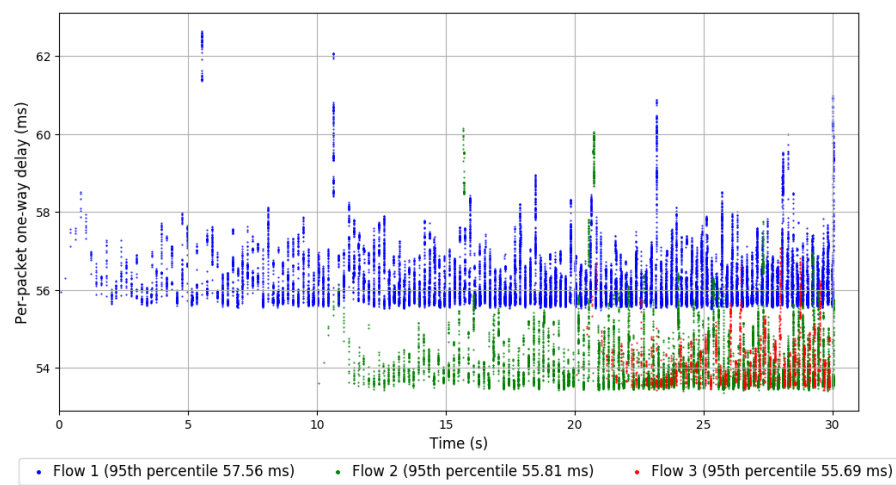
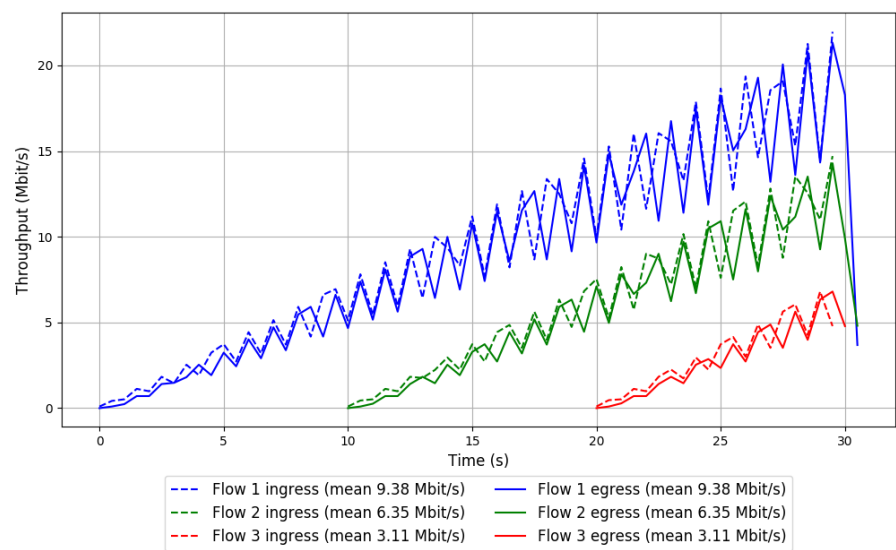


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 04:52:01
End at: 2018-05-22 04:52:31
Local clock offset: 1.743 ms
Remote clock offset: -39.264 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 57.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 57.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 55.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 55.687 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

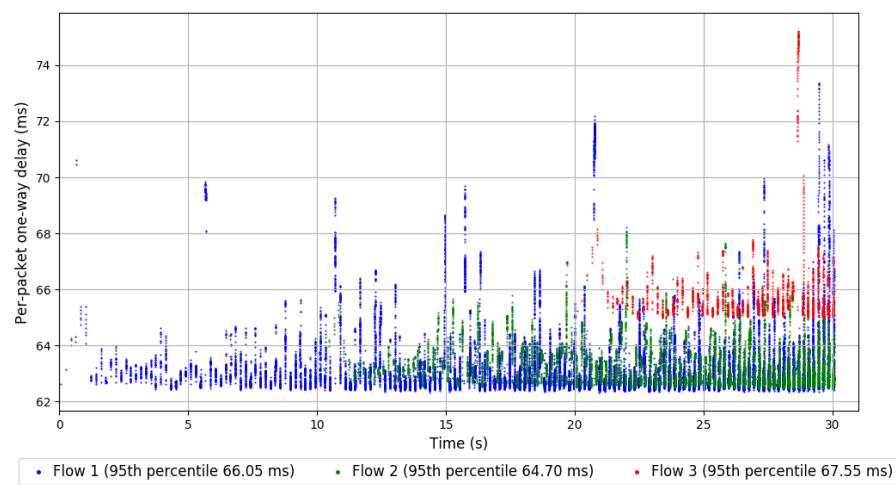
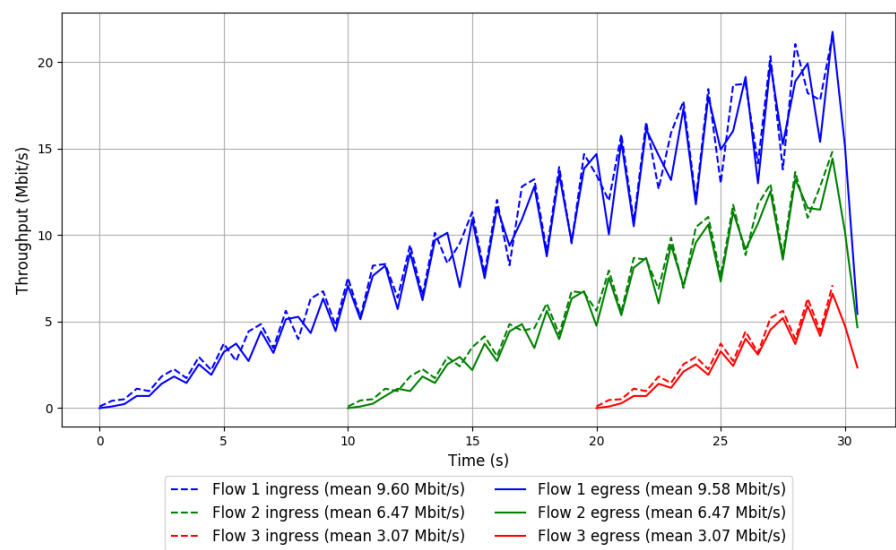


Run 5: Statistics of LEDBAT

Start at: 2018-05-22 05:24:23
End at: 2018-05-22 05:24:53
Local clock offset: -0.069 ms
Remote clock offset: -29.664 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 66.048 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 66.045 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 64.701 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 67.545 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

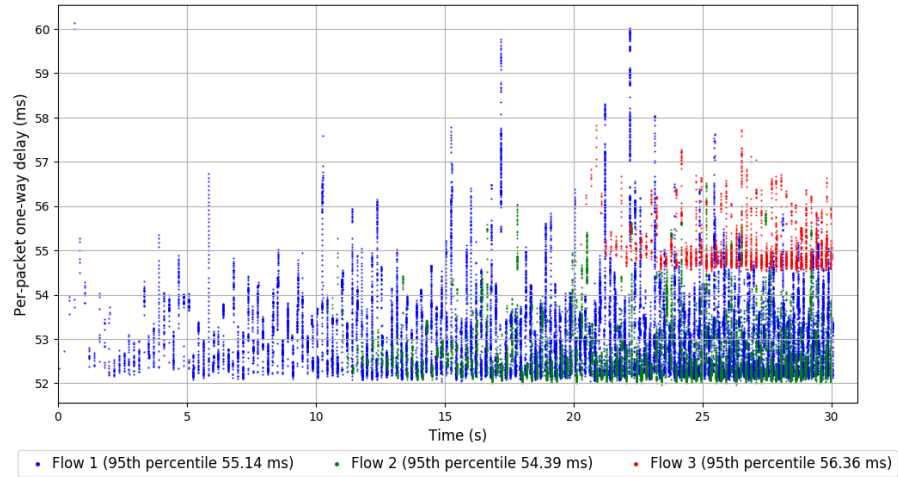
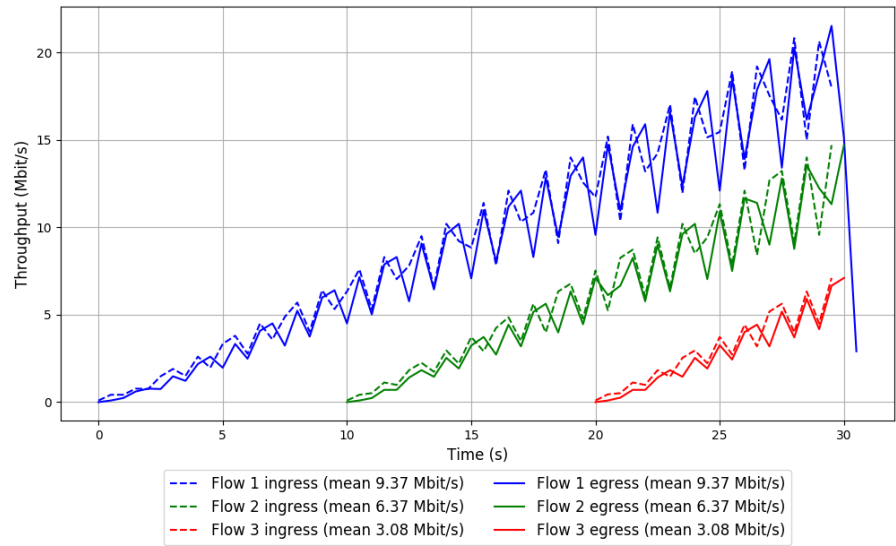


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 05:47:03
End at: 2018-05-22 05:47:33
Local clock offset: 2.539 ms
Remote clock offset: -39.544 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 55.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 55.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 54.387 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 56.360 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

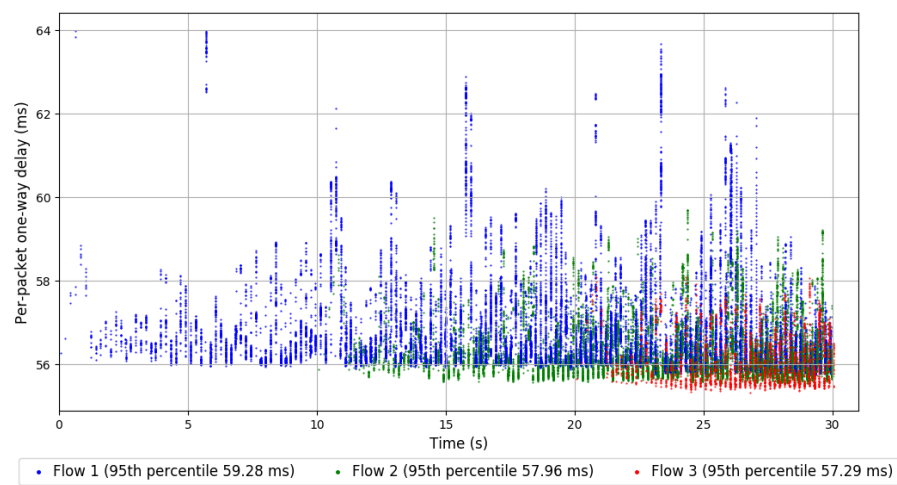
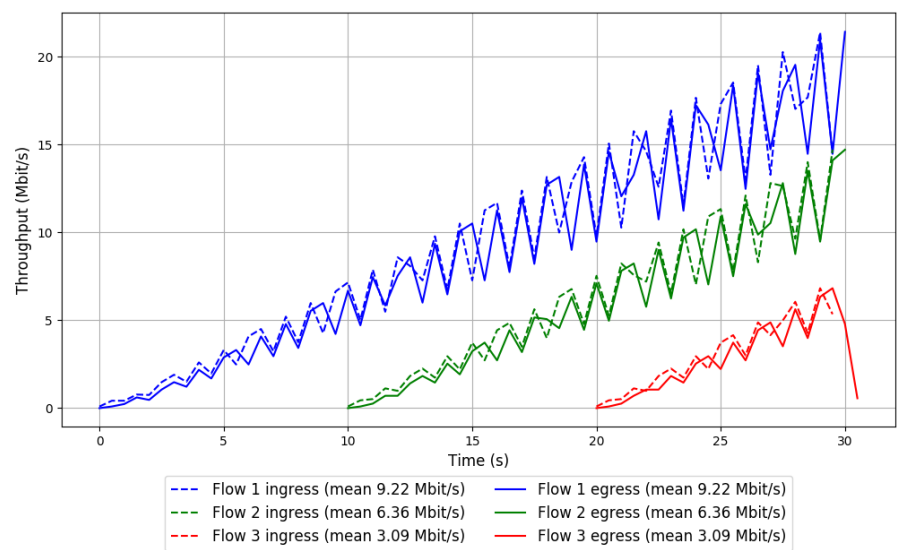


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 06:15:19
End at: 2018-05-22 06:15:49
Local clock offset: -1.551 ms
Remote clock offset: -37.323 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 58.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 59.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.36 Mbit/s
95th percentile per-packet one-way delay: 57.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 57.290 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

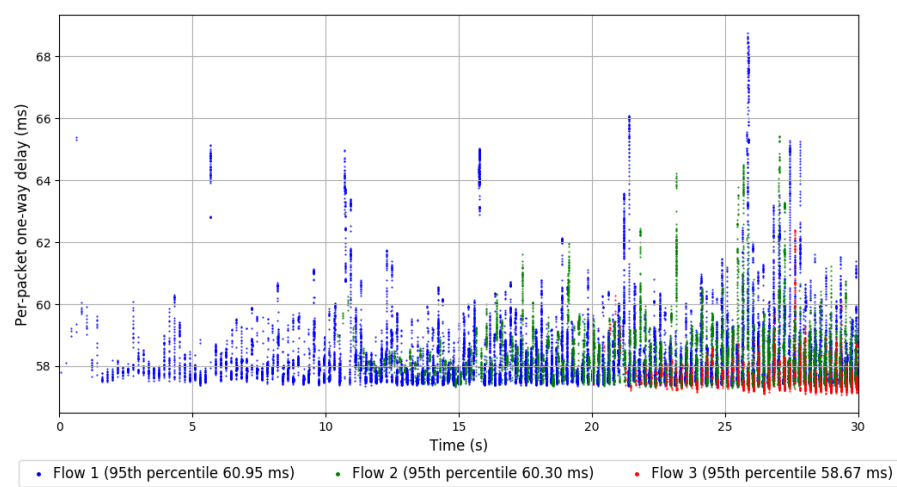
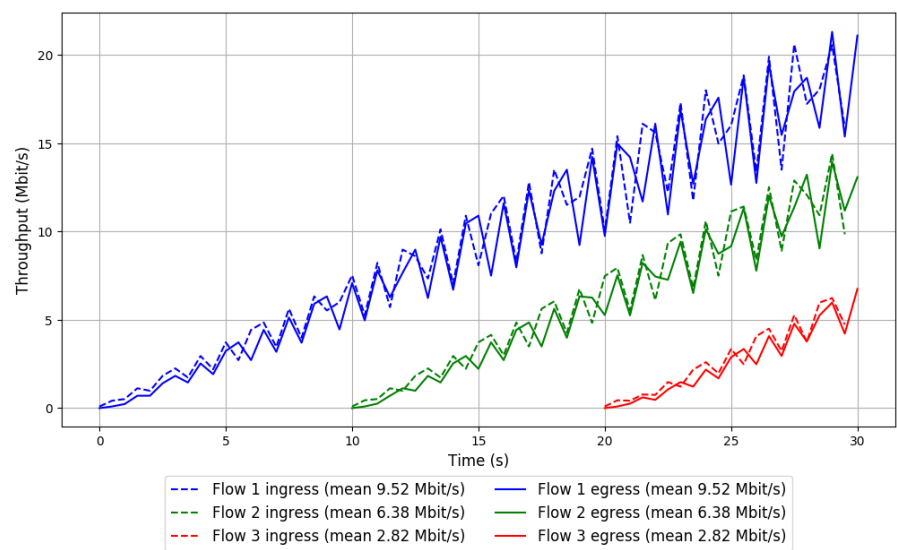


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 06:49:02
End at: 2018-05-22 06:49:32
Local clock offset: -2.084 ms
Remote clock offset: -36.061 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 60.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 60.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 60.303 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 58.668 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

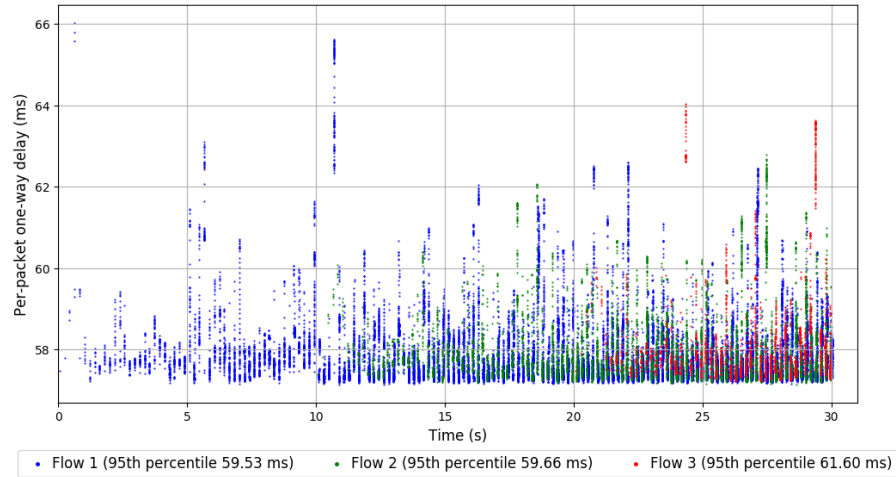
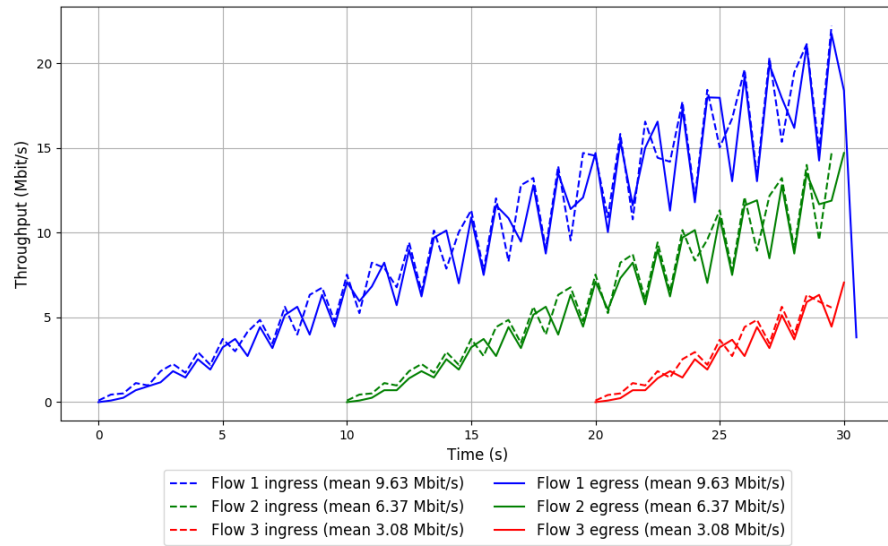


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 07:11:54
End at: 2018-05-22 07:12:24
Local clock offset: 1.322 ms
Remote clock offset: -35.185 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 59.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 59.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 59.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 61.599 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

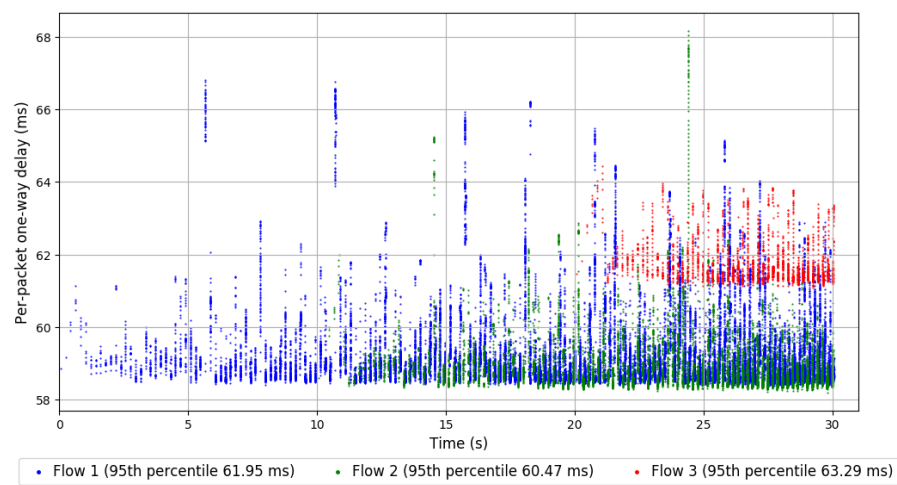
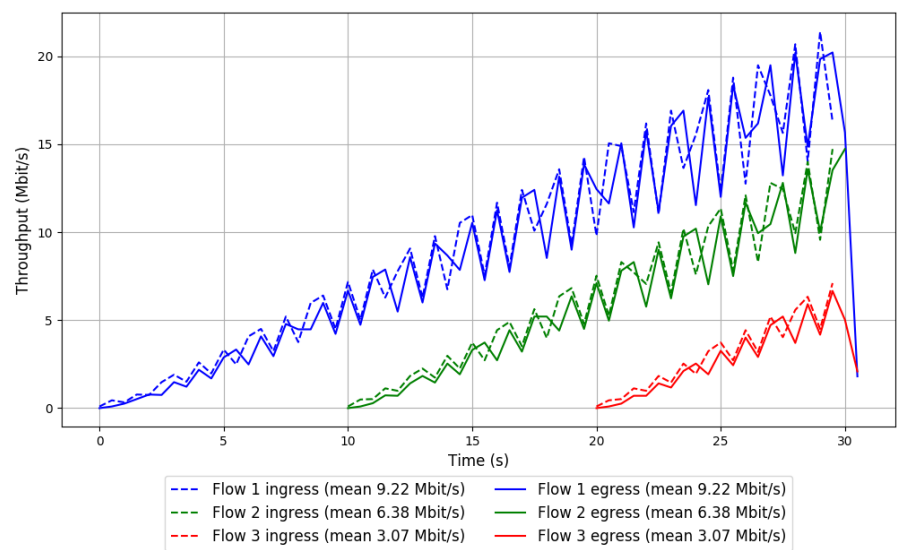


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 07:34:45
End at: 2018-05-22 07:35:15
Local clock offset: -1.088 ms
Remote clock offset: -36.171 ms

Below is generated by plot.py at 2018-05-22 08:13:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 62.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 61.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 60.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 63.289 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

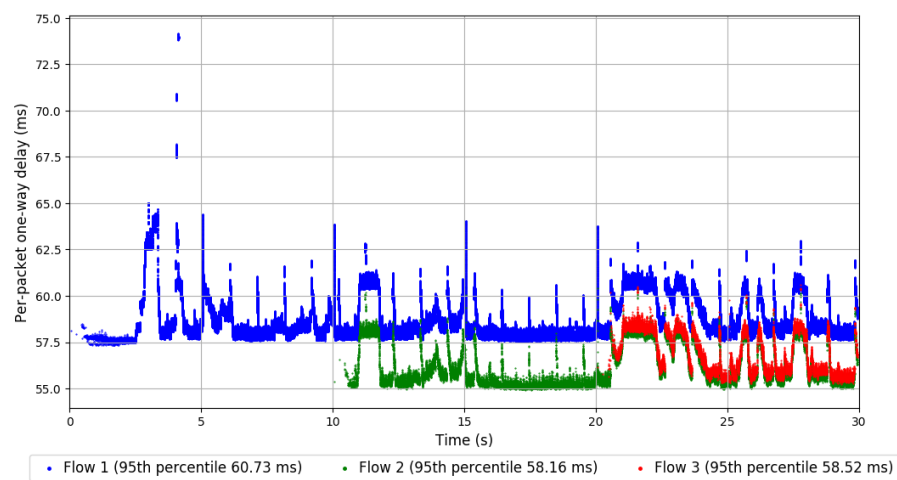
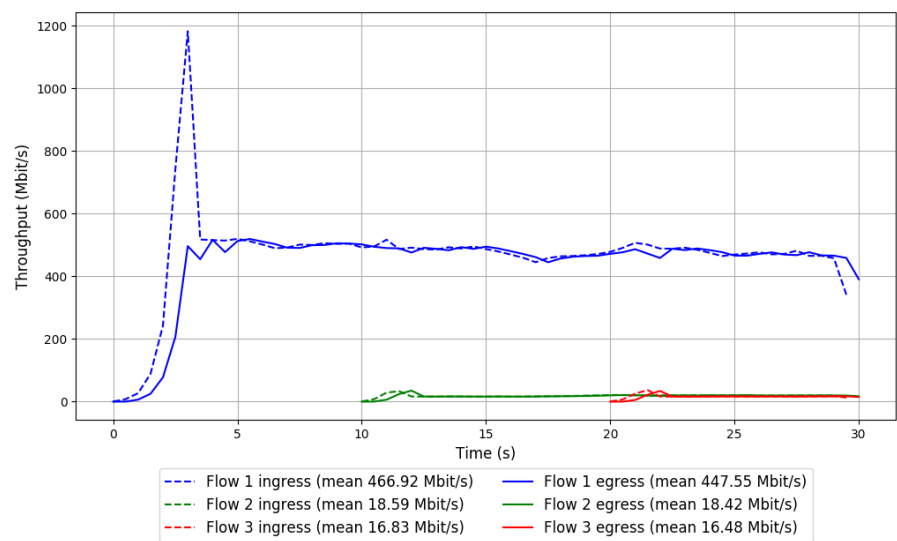


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 03:39:09
End at: 2018-05-22 03:39:39
Local clock offset: 1.78 ms
Remote clock offset: -39.359 ms

# Below is generated by plot.py at 2018-05-22 08:17:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 465.24 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 4.05%
-- Flow 1:
Average throughput: 447.55 Mbit/s
95th percentile per-packet one-way delay: 60.734 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 58.155 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 58.515 ms
Loss rate: 2.09%
```


Run 1: Report of PCC-Allegro — Data Link

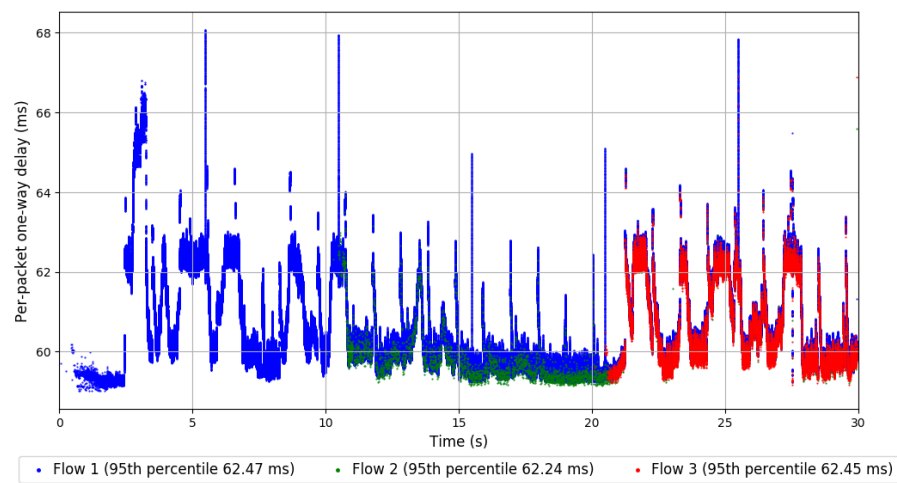
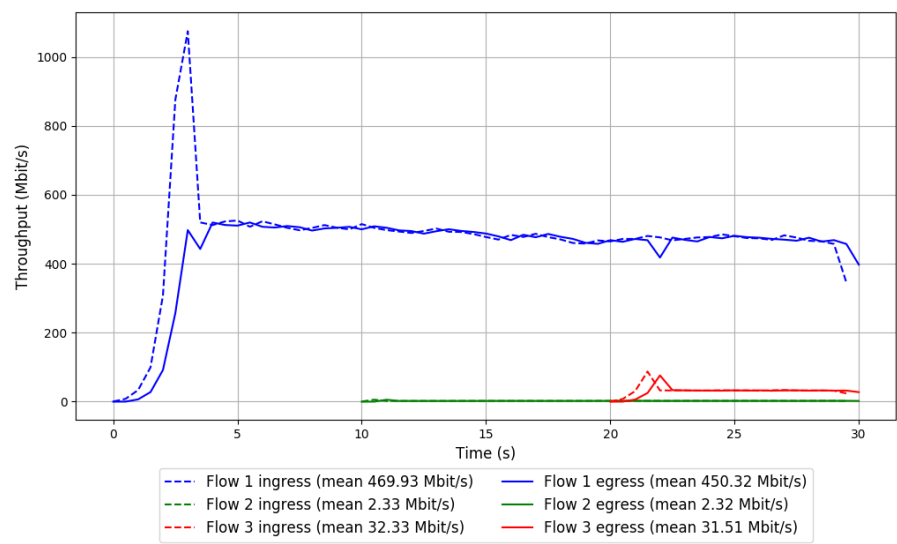


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 04:07:28
End at: 2018-05-22 04:07:58
Local clock offset: 0.372 ms
Remote clock offset: -36.68 ms

Below is generated by plot.py at 2018-05-22 08:17:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.17 Mbit/s
95th percentile per-packet one-way delay: 62.469 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 450.32 Mbit/s
95th percentile per-packet one-way delay: 62.471 ms
Loss rate: 4.18%
-- Flow 2:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 62.242 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 62.454 ms
Loss rate: 2.48%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 04:35:51

End at: 2018-05-22 04:36:21

Local clock offset: 1.104 ms

Remote clock offset: -41.947 ms

Below is generated by plot.py at 2018-05-22 08:17:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.31 Mbit/s

95th percentile per-packet one-way delay: 54.313 ms

Loss rate: 5.28%

-- Flow 1:

Average throughput: 417.76 Mbit/s

95th percentile per-packet one-way delay: 54.330 ms

Loss rate: 5.48%

-- Flow 2:

Average throughput: 61.32 Mbit/s

95th percentile per-packet one-way delay: 53.969 ms

Loss rate: 3.49%

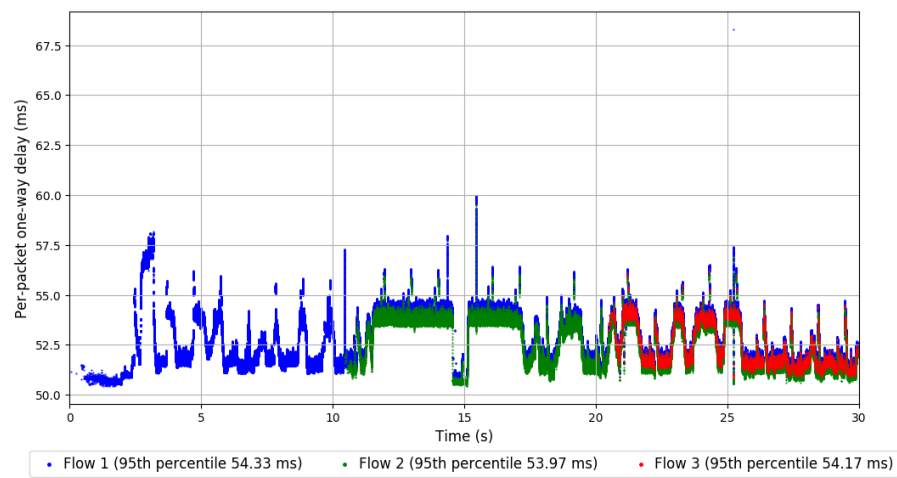
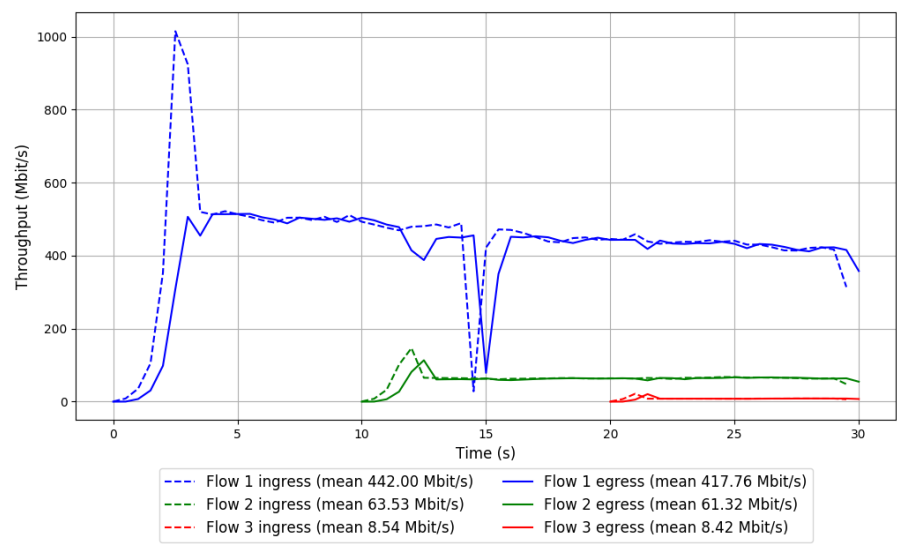
-- Flow 3:

Average throughput: 8.42 Mbit/s

95th percentile per-packet one-way delay: 54.175 ms

Loss rate: 1.33%

Run 3: Report of PCC-Allegro — Data Link

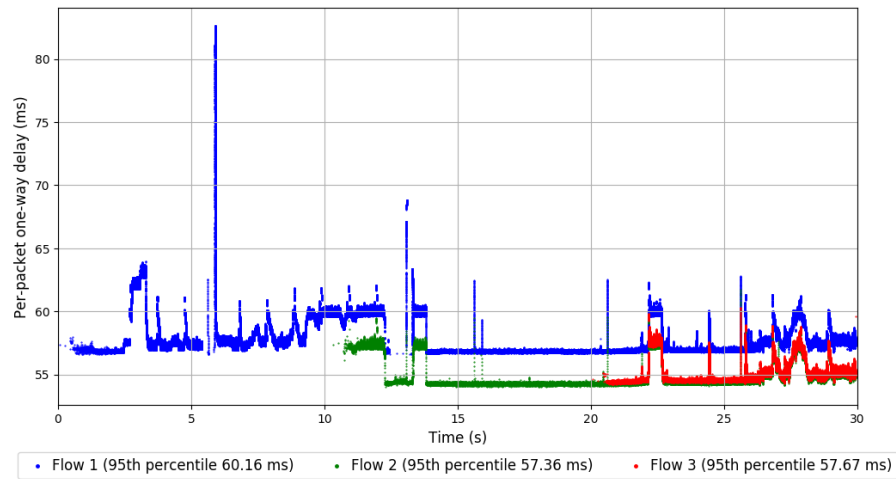
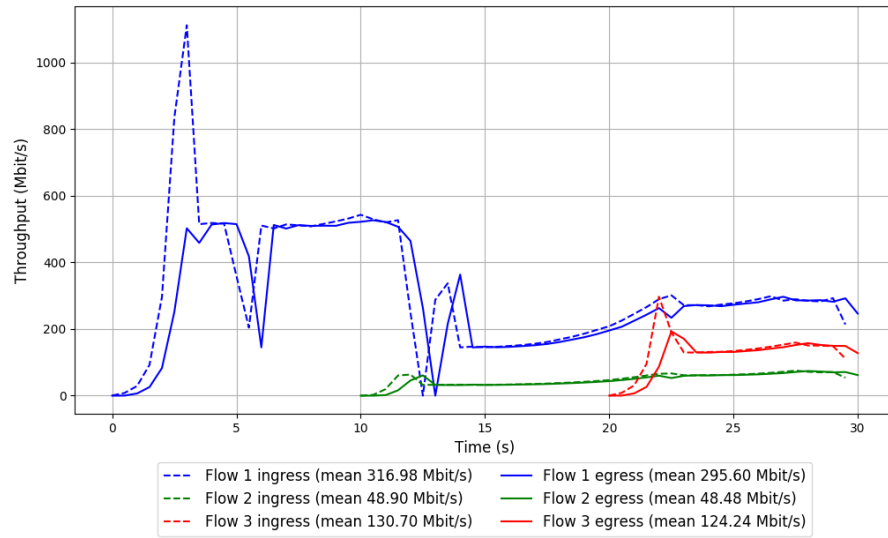


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 05:04:20
End at: 2018-05-22 05:04:50
Local clock offset: -1.367 ms
Remote clock offset: -40.294 ms

Below is generated by plot.py at 2018-05-22 08:17:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.38 Mbit/s
95th percentile per-packet one-way delay: 60.061 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 295.60 Mbit/s
95th percentile per-packet one-way delay: 60.156 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 57.356 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 124.24 Mbit/s
95th percentile per-packet one-way delay: 57.666 ms
Loss rate: 4.89%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 05:36:36

End at: 2018-05-22 05:37:06

Local clock offset: 0.072 ms

Remote clock offset: -33.195 ms

Below is generated by plot.py at 2018-05-22 08:17:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.47 Mbit/s

95th percentile per-packet one-way delay: 63.819 ms

Loss rate: 5.53%

-- Flow 1:

Average throughput: 298.29 Mbit/s

95th percentile per-packet one-way delay: 63.826 ms

Loss rate: 6.18%

-- Flow 2:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 63.674 ms

Loss rate: 1.49%

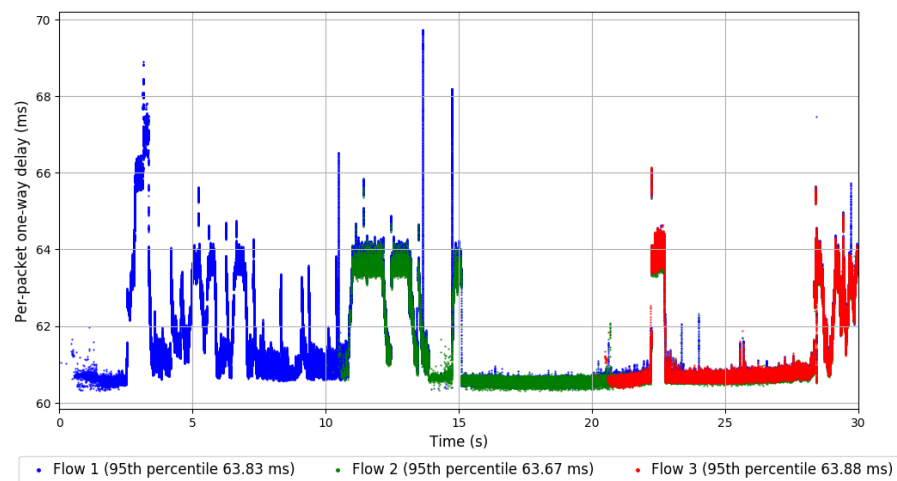
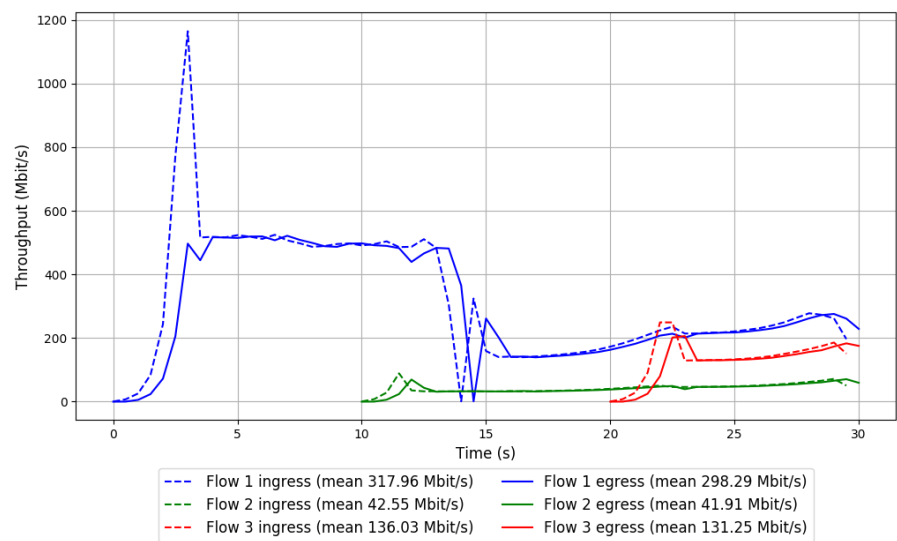
-- Flow 3:

Average throughput: 131.25 Mbit/s

95th percentile per-packet one-way delay: 63.882 ms

Loss rate: 3.48%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 05:59:18

End at: 2018-05-22 05:59:48

Local clock offset: 2.085 ms

Remote clock offset: -37.271 ms

Below is generated by plot.py at 2018-05-22 08:17:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.61 Mbit/s

95th percentile per-packet one-way delay: 57.239 ms

Loss rate: 4.23%

-- Flow 1:

Average throughput: 435.54 Mbit/s

95th percentile per-packet one-way delay: 57.227 ms

Loss rate: 4.31%

-- Flow 2:

Average throughput: 16.01 Mbit/s

95th percentile per-packet one-way delay: 57.425 ms

Loss rate: 1.27%

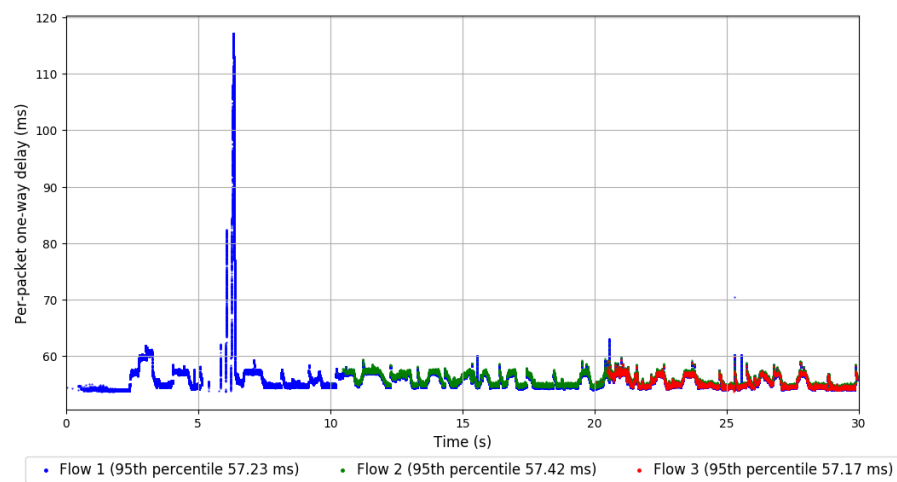
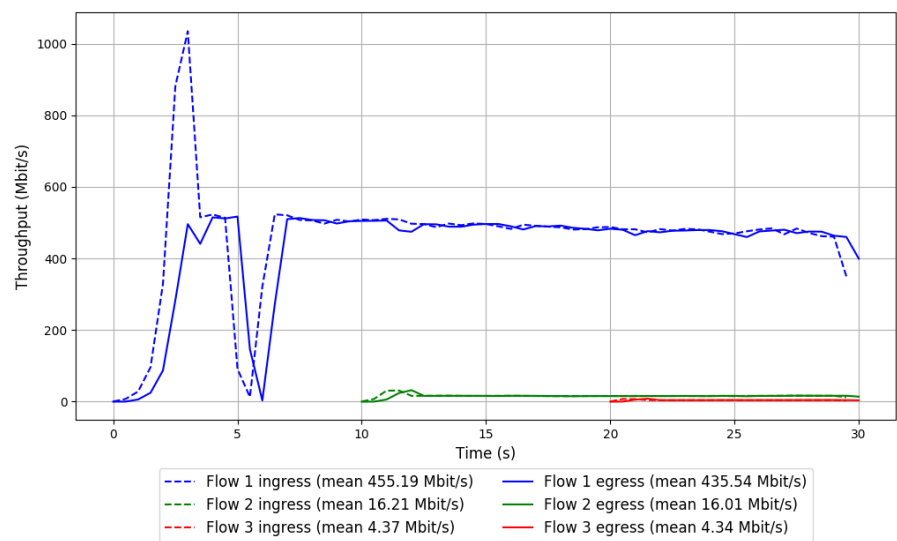
-- Flow 3:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 57.168 ms

Loss rate: 0.80%

Run 6: Report of PCC-Allegro — Data Link

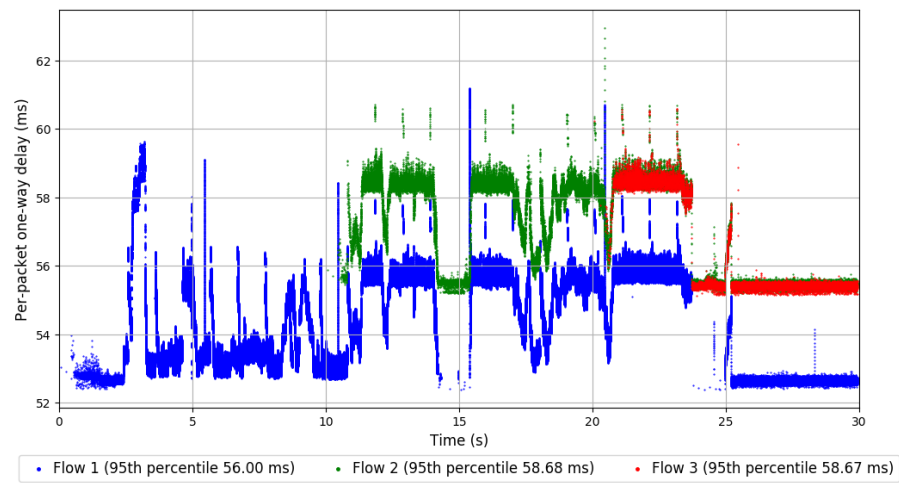
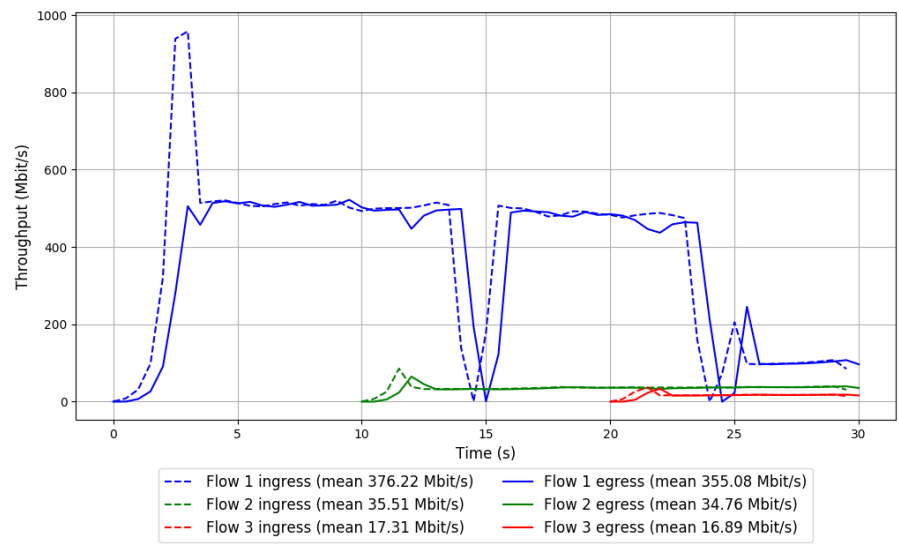


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 06:33:07
End at: 2018-05-22 06:33:37
Local clock offset: -0.312 ms
Remote clock offset: -38.566 ms

Below is generated by plot.py at 2018-05-22 08:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.76 Mbit/s
95th percentile per-packet one-way delay: 57.895 ms
Loss rate: 5.37%
-- Flow 1:
Average throughput: 355.08 Mbit/s
95th percentile per-packet one-way delay: 56.001 ms
Loss rate: 5.62%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 58.681 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 58.672 ms
Loss rate: 2.46%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 07:01:27

End at: 2018-05-22 07:01:57

Local clock offset: -0.299 ms

Remote clock offset: -40.557 ms

Below is generated by plot.py at 2018-05-22 08:19:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.14 Mbit/s

95th percentile per-packet one-way delay: 58.252 ms

Loss rate: 5.66%

-- Flow 1:

Average throughput: 430.08 Mbit/s

95th percentile per-packet one-way delay: 58.295 ms

Loss rate: 5.83%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 55.495 ms

Loss rate: 3.11%

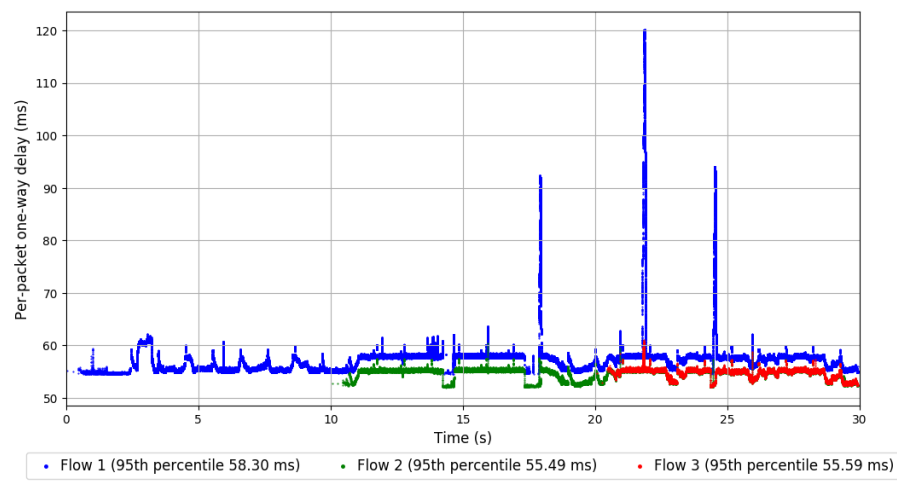
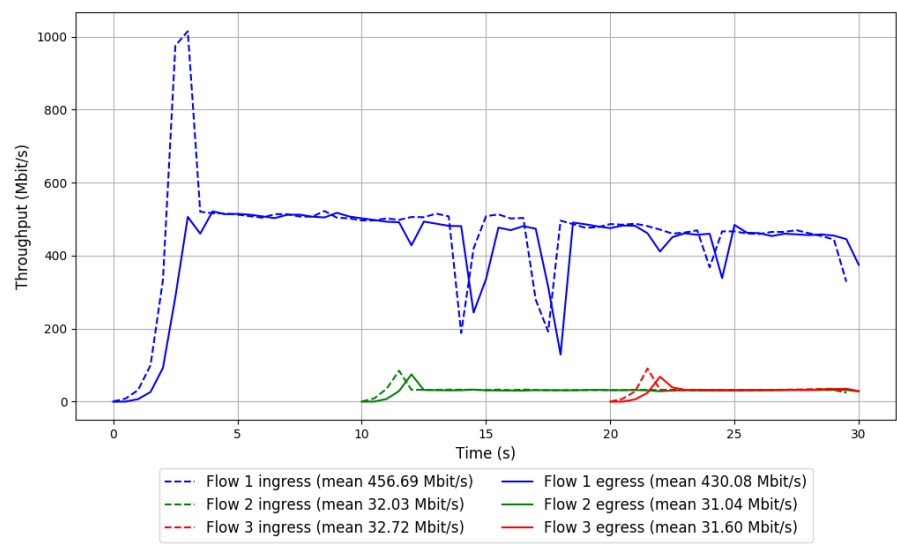
-- Flow 3:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 55.588 ms

Loss rate: 3.44%

Run 8: Report of PCC-Allegro — Data Link

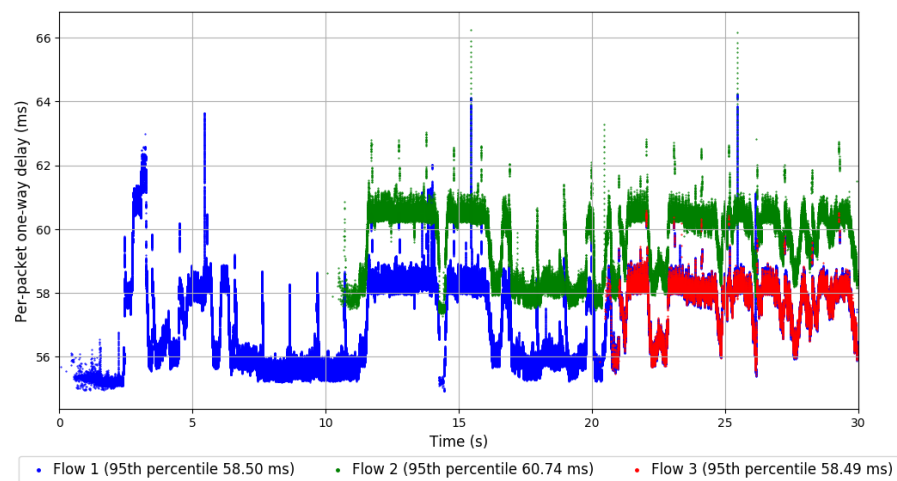
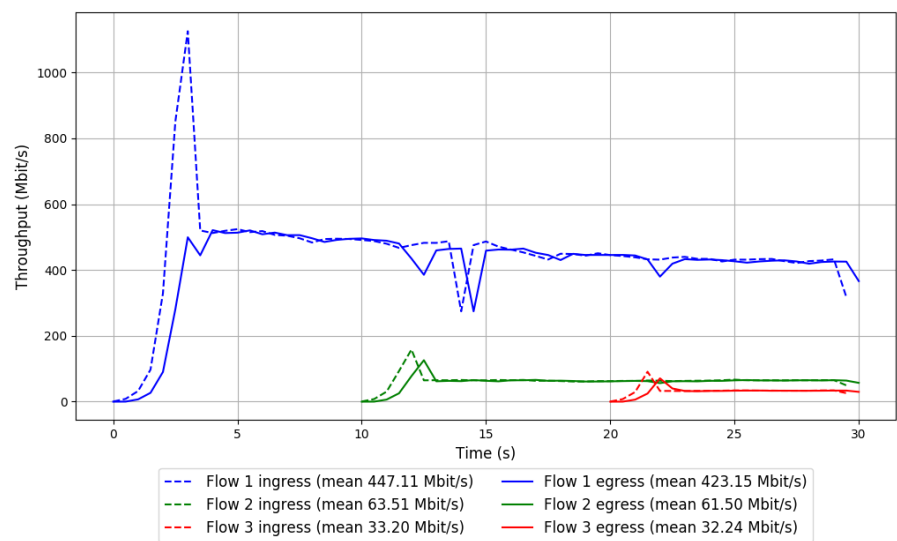


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 07:24:12
End at: 2018-05-22 07:24:42
Local clock offset: 1.668 ms
Remote clock offset: -37.921 ms

Below is generated by plot.py at 2018-05-22 08:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.63 Mbit/s
95th percentile per-packet one-way delay: 60.367 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 423.15 Mbit/s
95th percentile per-packet one-way delay: 58.499 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 61.50 Mbit/s
95th percentile per-packet one-way delay: 60.742 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 58.494 ms
Loss rate: 2.92%

Run 9: Report of PCC-Allegro — Data Link

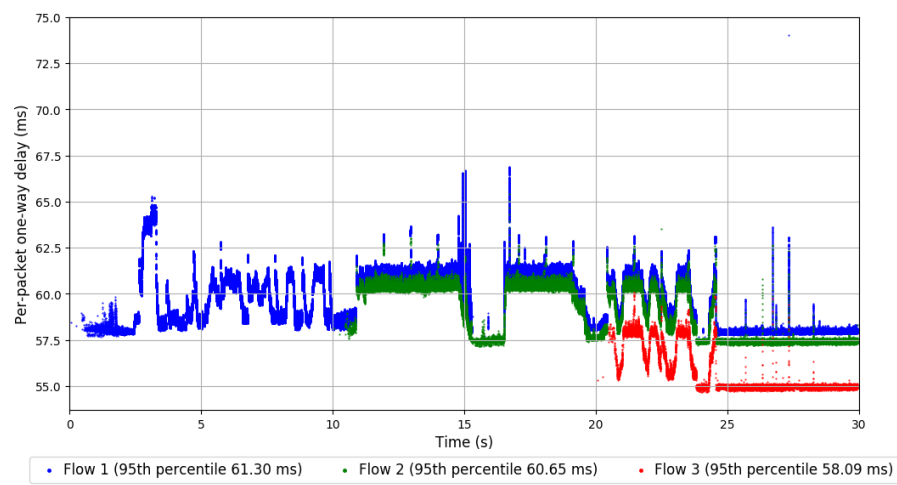
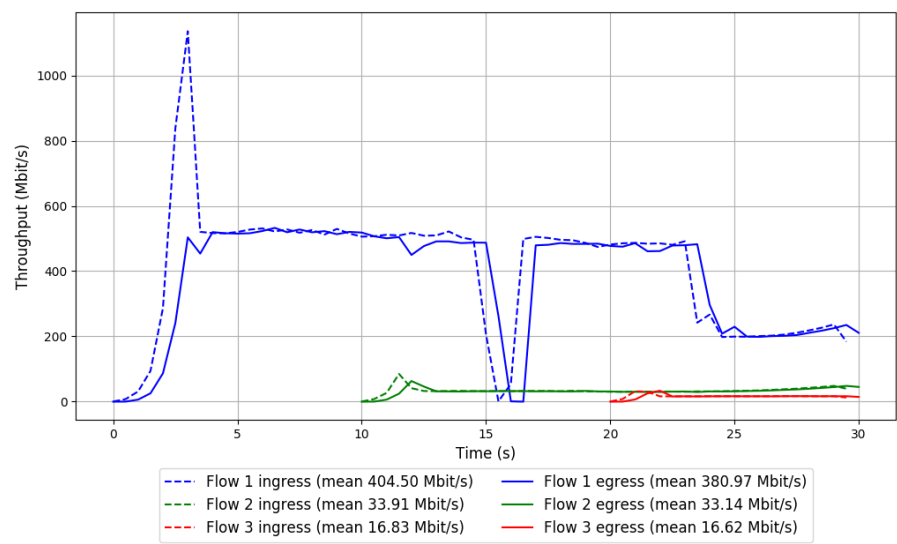


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 07:47:09
End at: 2018-05-22 07:47:39
Local clock offset: -1.8 ms
Remote clock offset: -39.996 ms

Below is generated by plot.py at 2018-05-22 08:21:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.48 Mbit/s
95th percentile per-packet one-way delay: 61.277 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 380.97 Mbit/s
95th percentile per-packet one-way delay: 61.305 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 60.646 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 58.088 ms
Loss rate: 1.25%

Run 10: Report of PCC-Allegro — Data Link

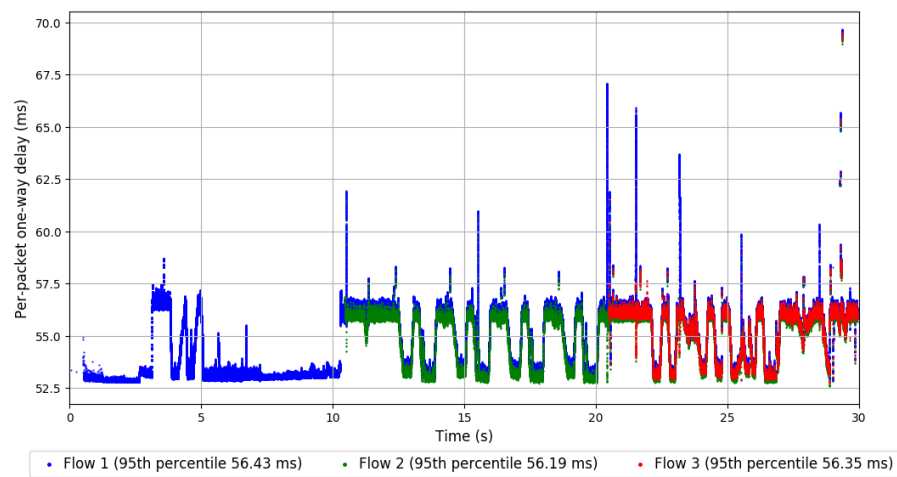
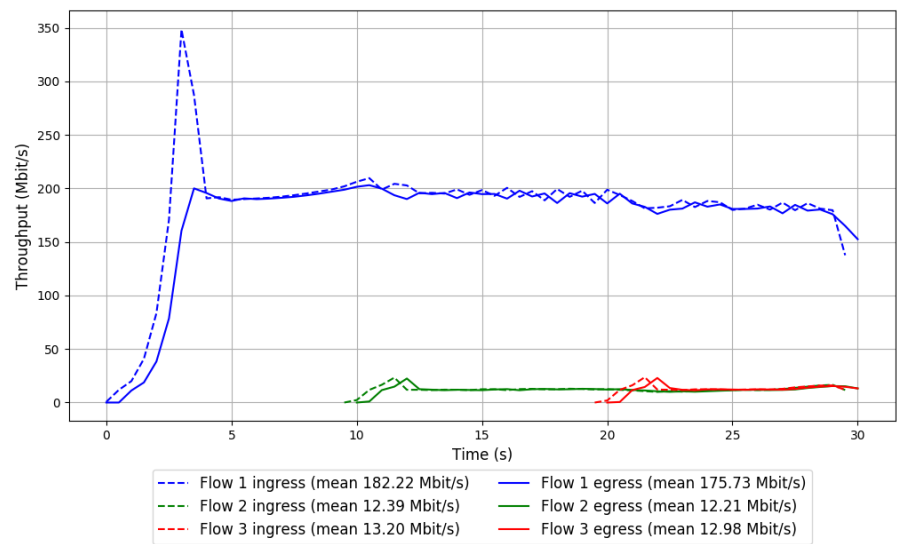


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 03:40:44
End at: 2018-05-22 03:41:14
Local clock offset: 0.815 ms
Remote clock offset: -42.566 ms

# Below is generated by plot.py at 2018-05-22 08:21:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 188.15 Mbit/s
95th percentile per-packet one-way delay: 56.424 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 175.73 Mbit/s
95th percentile per-packet one-way delay: 56.432 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 56.185 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 56.355 ms
Loss rate: 1.59%
```

Run 1: Report of PCC-Expr — Data Link

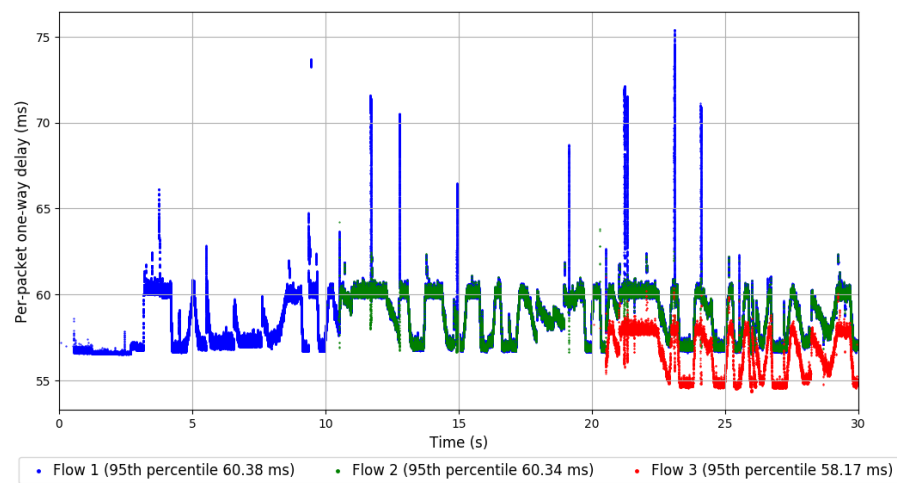
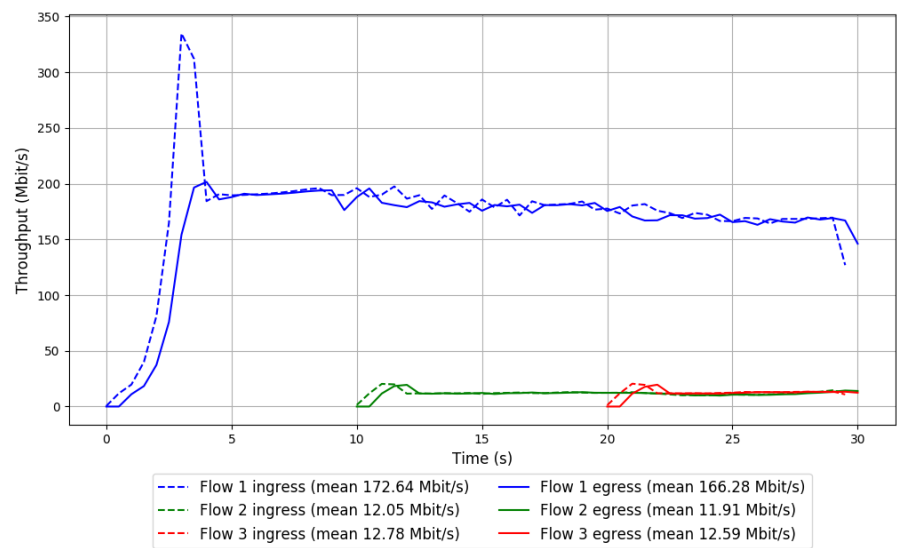


```
Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 04:09:03
End at: 2018-05-22 04:09:33
Local clock offset: -1.276 ms
Remote clock offset: -40.659 ms

# Below is generated by plot.py at 2018-05-22 08:21:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 178.34 Mbit/s
95th percentile per-packet one-way delay: 60.366 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 166.28 Mbit/s
95th percentile per-packet one-way delay: 60.375 ms
Loss rate: 3.69%
-- Flow 2:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 60.345 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 58.171 ms
Loss rate: 1.48%
```

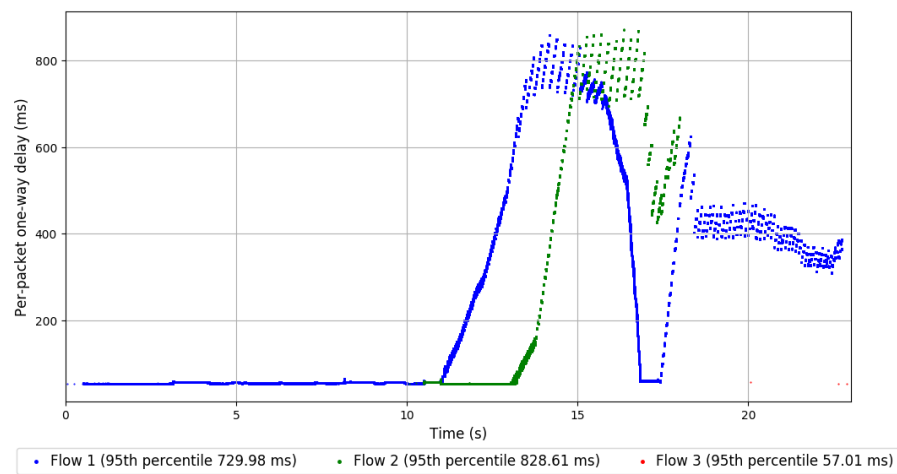
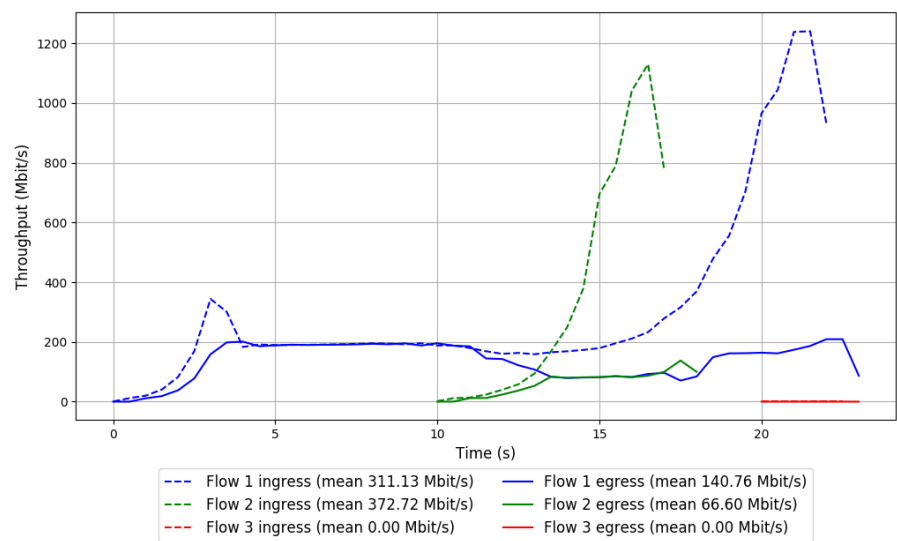
Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 04:37:26
End at: 2018-05-22 04:37:56
Local clock offset: 0.793 ms
Remote clock offset: -41.659 ms

Run 3: Report of PCC-Expr — Data Link

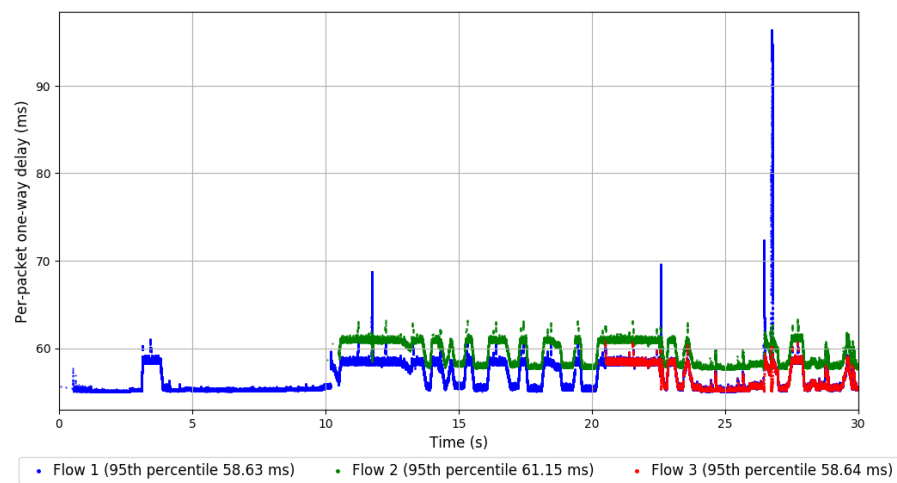
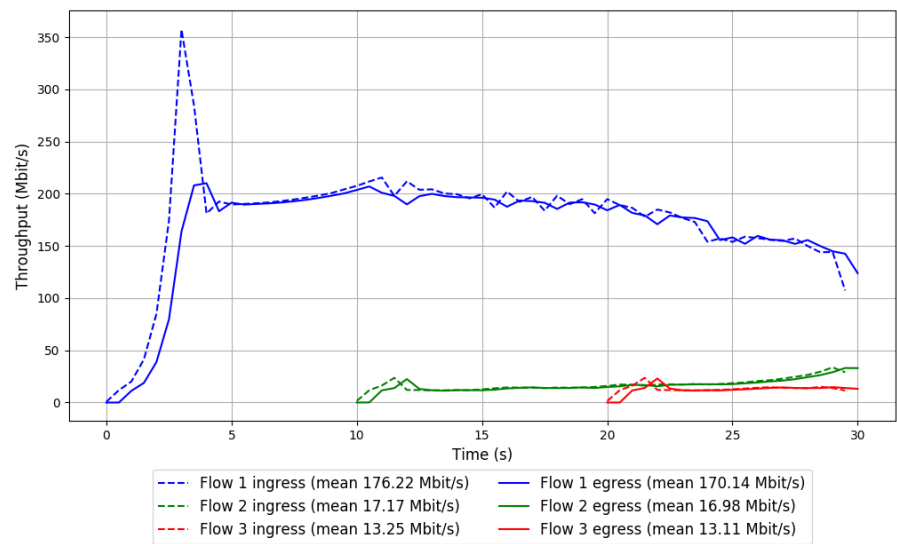


```
Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 05:05:52
End at: 2018-05-22 05:06:22
Local clock offset: 0.521 ms
Remote clock offset: -37.352 ms

# Below is generated by plot.py at 2018-05-22 08:21:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 185.76 Mbit/s
95th percentile per-packet one-way delay: 58.848 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 170.14 Mbit/s
95th percentile per-packet one-way delay: 58.628 ms
Loss rate: 3.45%
-- Flow 2:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 61.147 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 58.639 ms
Loss rate: 1.06%
```

Run 4: Report of PCC-Expr — Data Link

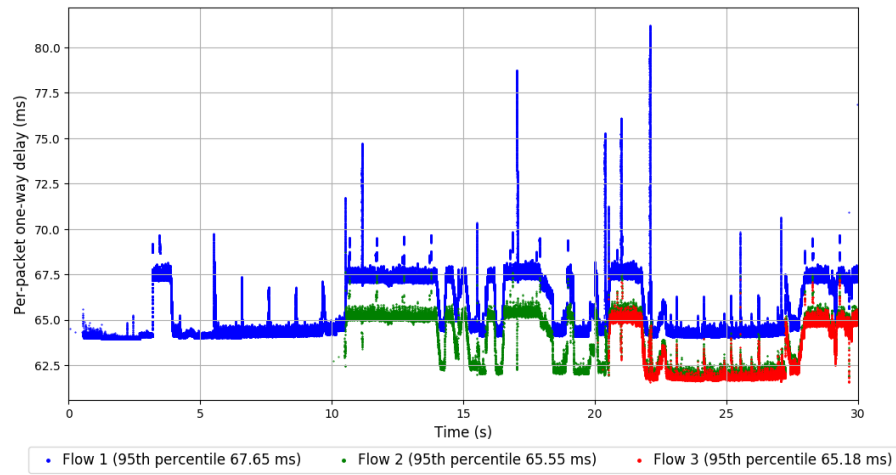
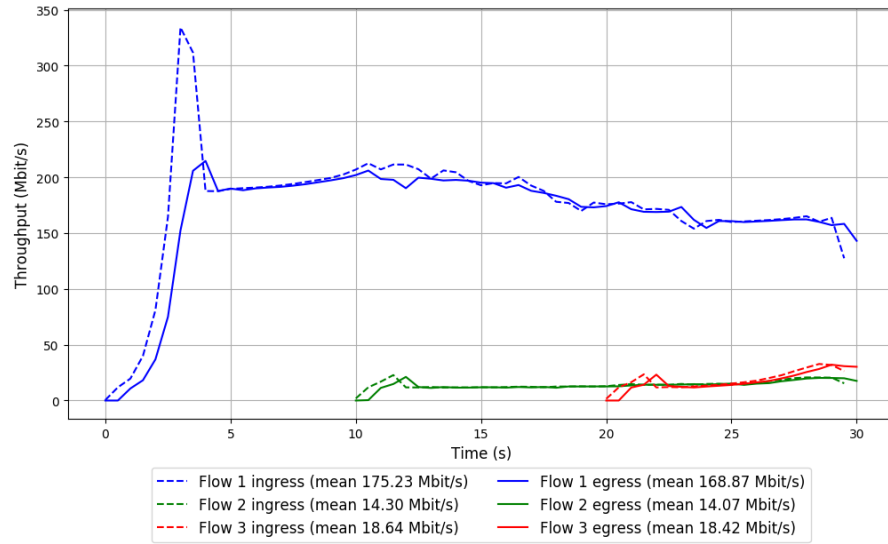


Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 05:38:07
End at: 2018-05-22 05:38:37
Local clock offset: 0.426 ms
Remote clock offset: -31.79 ms

Below is generated by plot.py at 2018-05-22 08:22:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.31 Mbit/s
95th percentile per-packet one-way delay: 67.638 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 168.87 Mbit/s
95th percentile per-packet one-way delay: 67.652 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 65.550 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 65.183 ms
Loss rate: 1.17%

Run 5: Report of PCC-Expr — Data Link

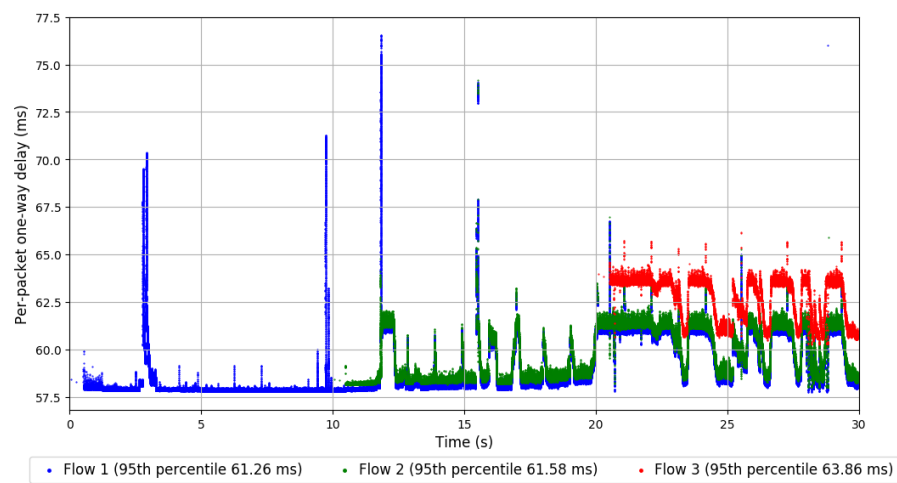
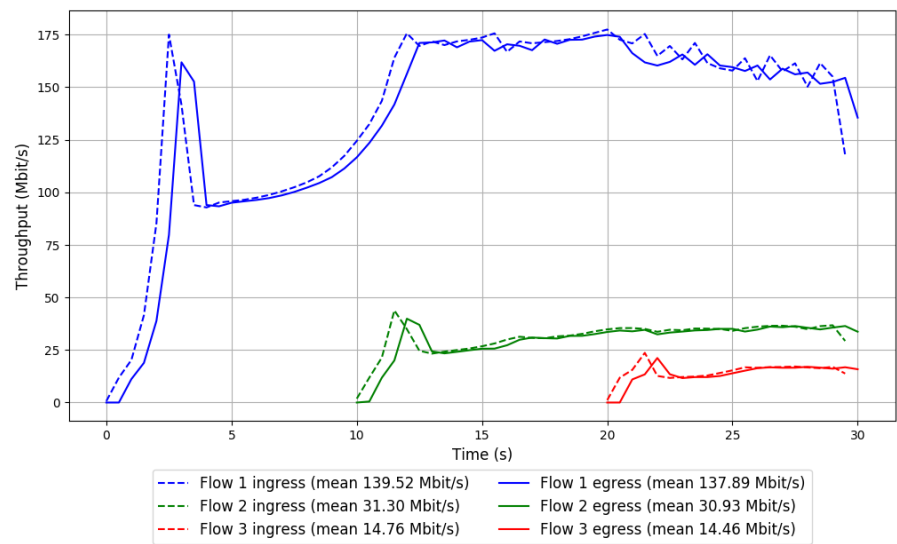


Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 06:00:52
End at: 2018-05-22 06:01:22
Local clock offset: 2.046 ms
Remote clock offset: -32.82 ms

Below is generated by plot.py at 2018-05-22 08:23:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.23 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 137.89 Mbit/s
95th percentile per-packet one-way delay: 61.264 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 61.579 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 63.864 ms
Loss rate: 2.08%

Run 6: Report of PCC-Expr — Data Link

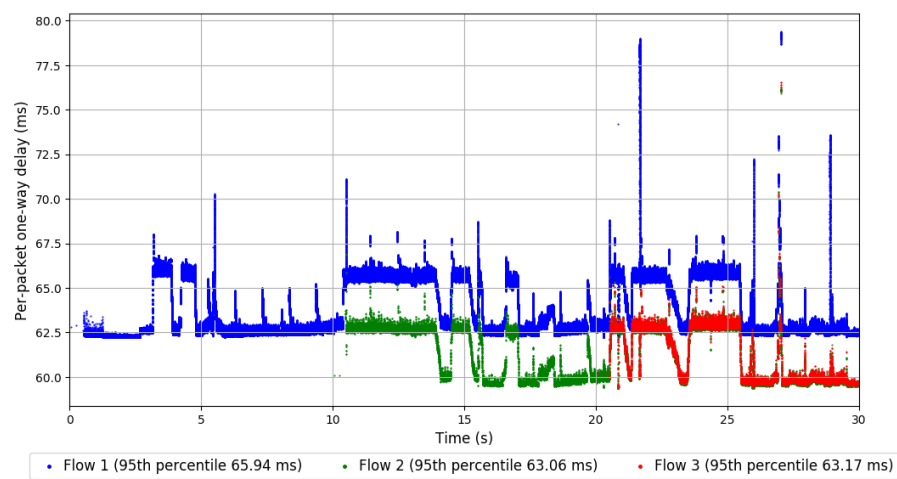
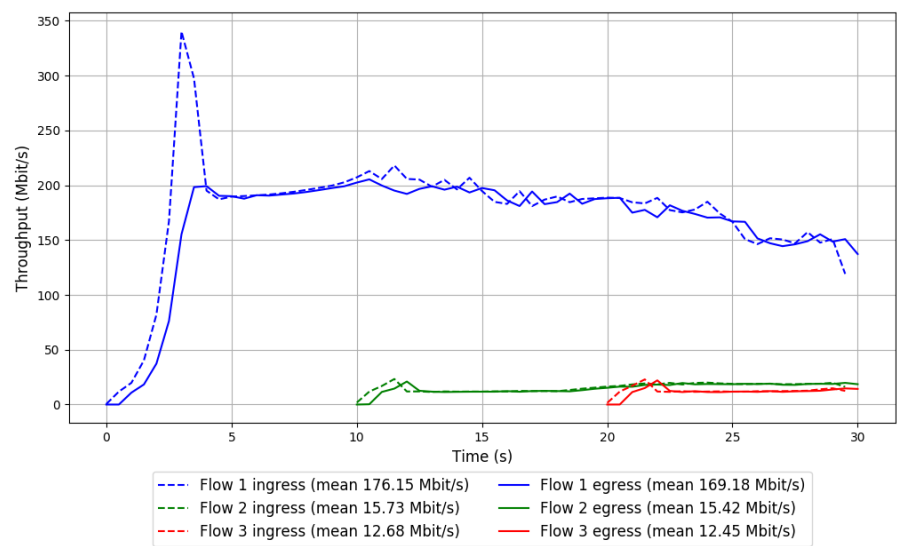


Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 06:34:39
End at: 2018-05-22 06:35:09
Local clock offset: 0.03 ms
Remote clock offset: -31.584 ms

Below is generated by plot.py at 2018-05-22 08:25:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.55 Mbit/s
95th percentile per-packet one-way delay: 65.921 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 169.18 Mbit/s
95th percentile per-packet one-way delay: 65.939 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 63.065 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 12.45 Mbit/s
95th percentile per-packet one-way delay: 63.170 ms
Loss rate: 1.88%

Run 7: Report of PCC-Expr — Data Link

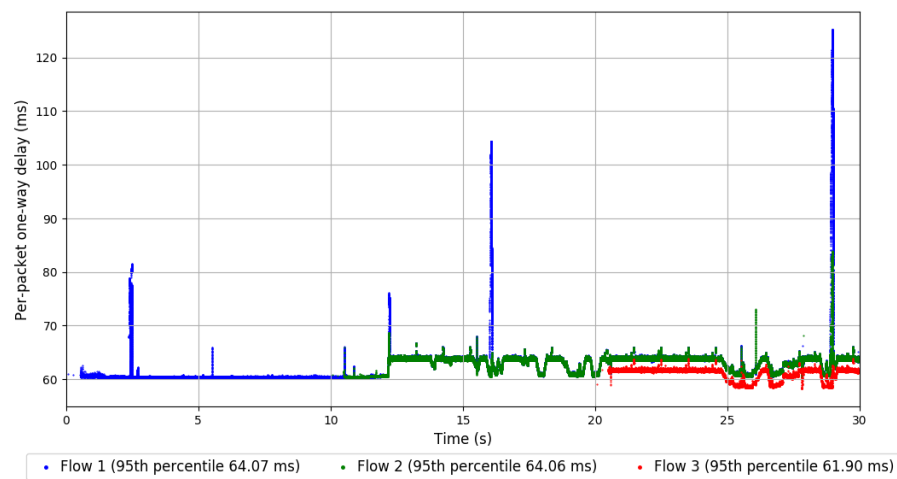
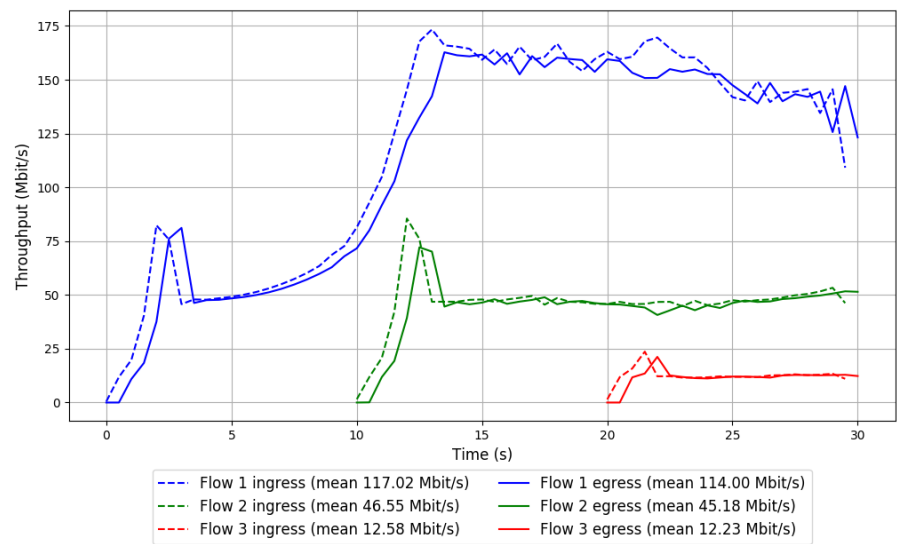


Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 07:03:02
End at: 2018-05-22 07:03:32
Local clock offset: -0.722 ms
Remote clock offset: -35.535 ms

Below is generated by plot.py at 2018-05-22 08:25:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.09 Mbit/s
95th percentile per-packet one-way delay: 64.059 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 114.00 Mbit/s
95th percentile per-packet one-way delay: 64.067 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 45.18 Mbit/s
95th percentile per-packet one-way delay: 64.060 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 61.902 ms
Loss rate: 2.79%

Run 8: Report of PCC-Expr — Data Link

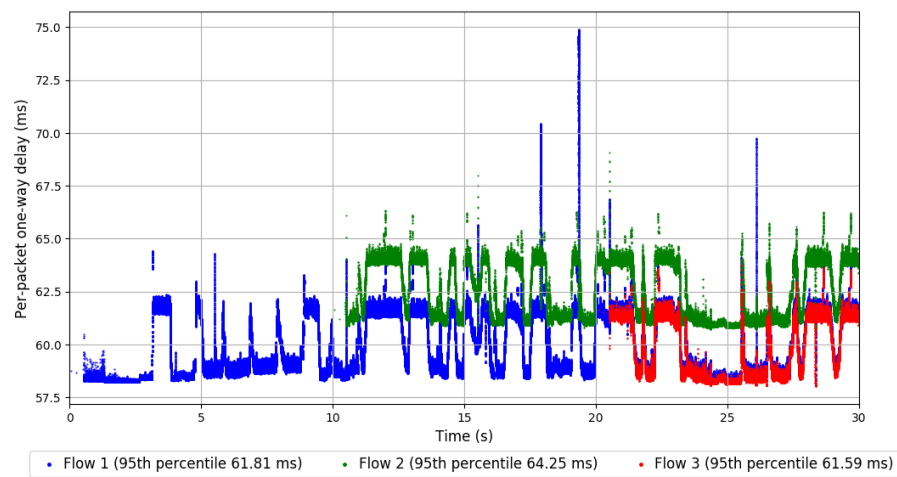
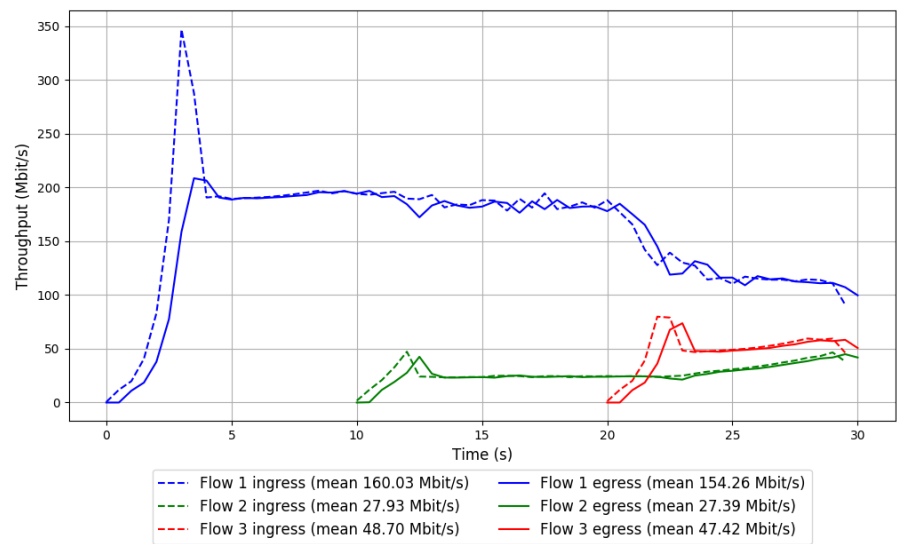


Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 07:25:48
End at: 2018-05-22 07:26:18
Local clock offset: 1.265 ms
Remote clock offset: -35.012 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.13 Mbit/s
95th percentile per-packet one-way delay: 63.197 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 154.26 Mbit/s
95th percentile per-packet one-way delay: 61.812 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 27.39 Mbit/s
95th percentile per-packet one-way delay: 64.250 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 2.63%

Run 9: Report of PCC-Expr — Data Link

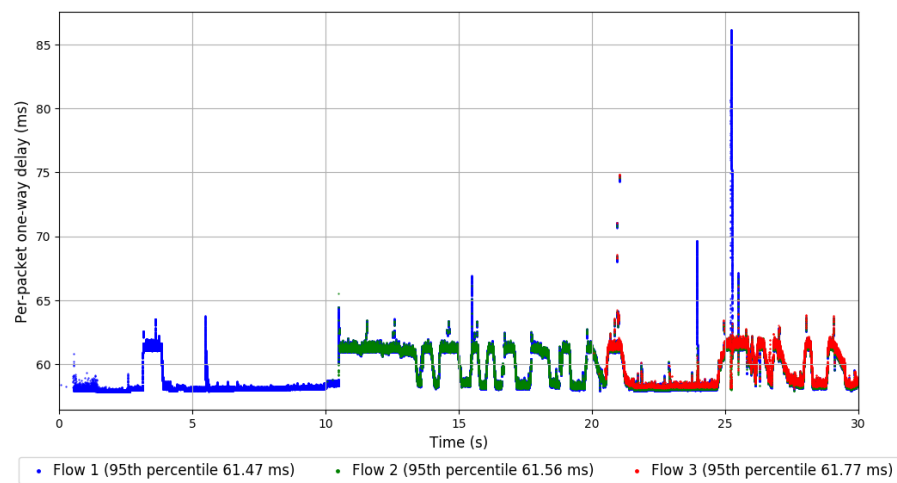
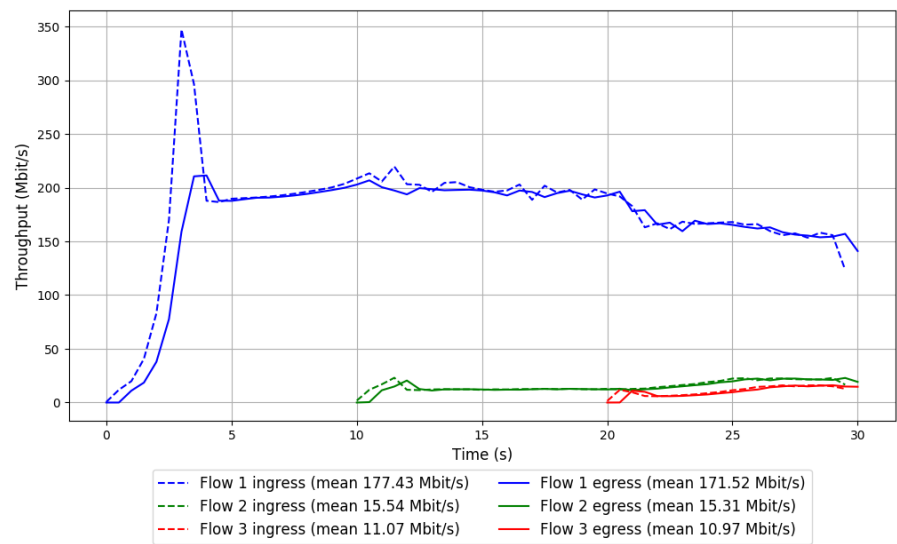


Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 07:48:42
End at: 2018-05-22 07:49:12
Local clock offset: -0.023 ms
Remote clock offset: -35.209 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.32 Mbit/s
95th percentile per-packet one-way delay: 61.488 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 171.52 Mbit/s
95th percentile per-packet one-way delay: 61.473 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 15.31 Mbit/s
95th percentile per-packet one-way delay: 61.558 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 61.765 ms
Loss rate: 1.00%

Run 10: Report of PCC-Expr — Data Link

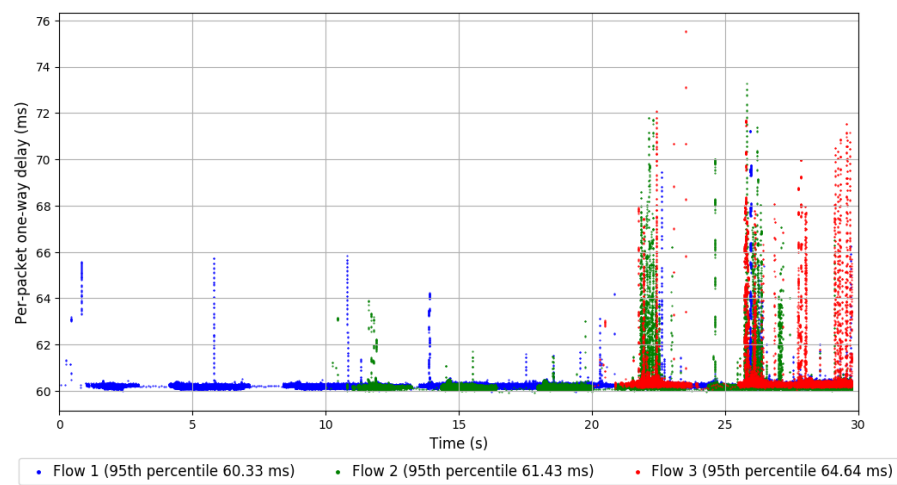
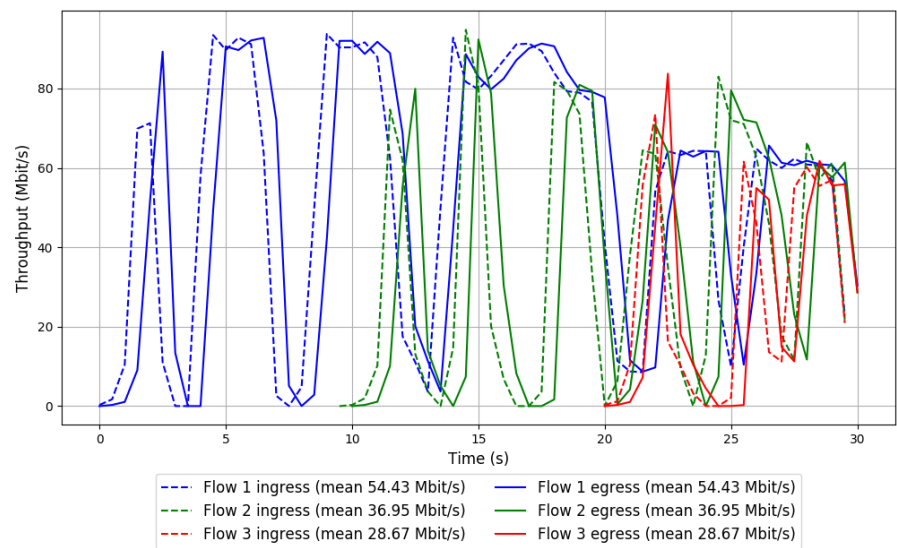


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 03:27:48
End at: 2018-05-22 03:28:18
Local clock offset: -0.645 ms
Remote clock offset: -36.535 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 60.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 60.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.95 Mbit/s
95th percentile per-packet one-way delay: 61.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 64.642 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

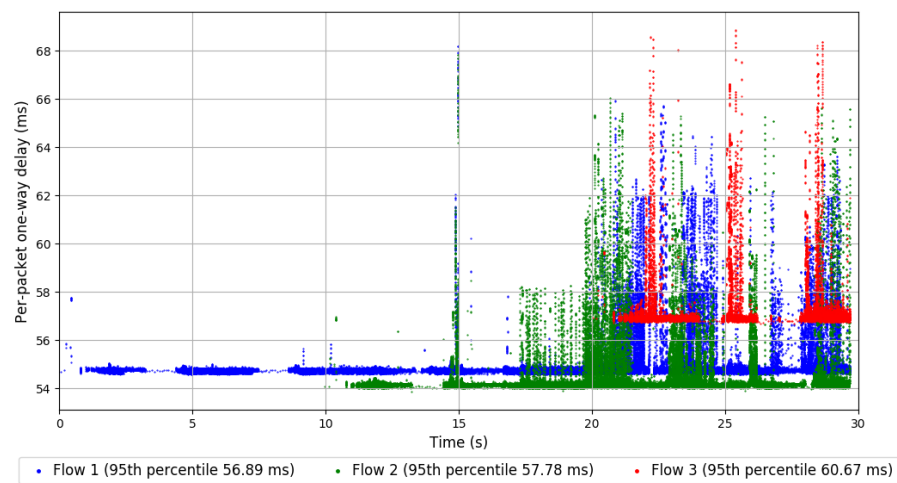
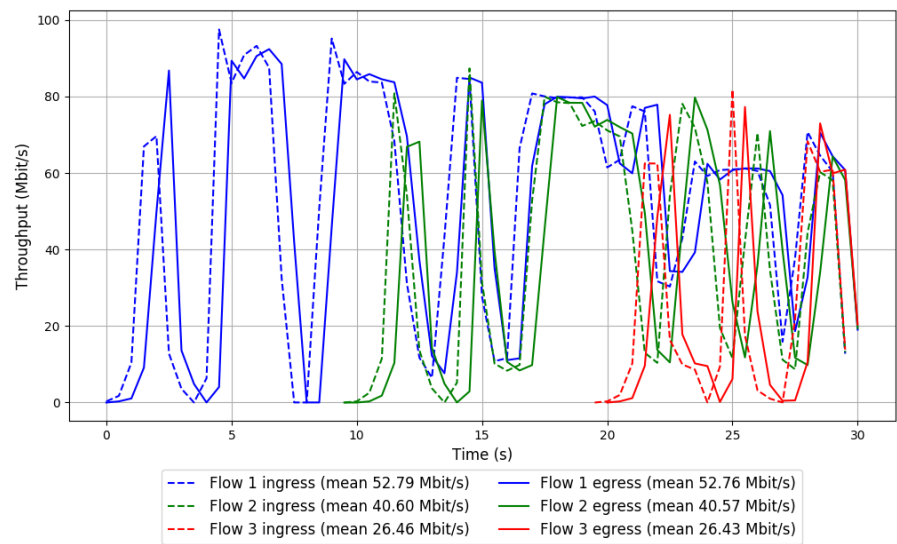


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 03:50:58
End at: 2018-05-22 03:51:28
Local clock offset: 3.73 ms
Remote clock offset: -37.895 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 57.665 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 56.888 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 57.778 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 60.671 ms
Loss rate: 0.06%

Run 2: Report of QUIC Cubic — Data Link

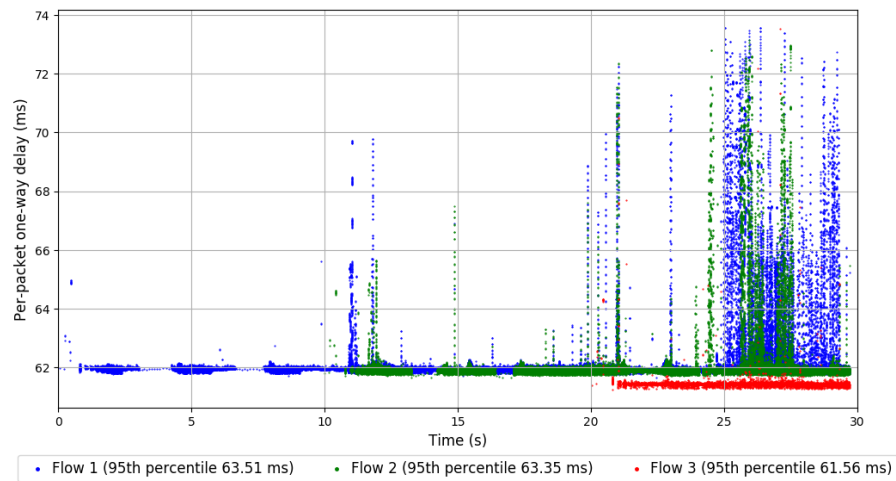
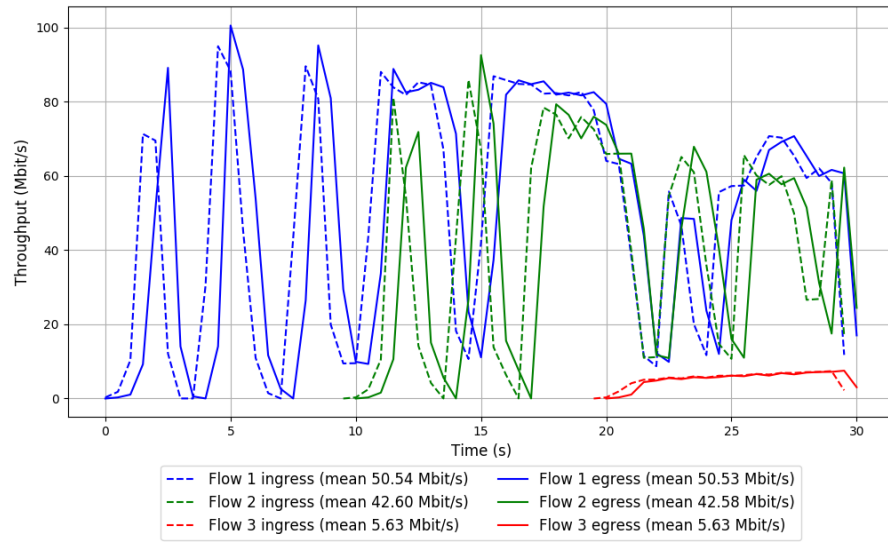


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 04:24:50
End at: 2018-05-22 04:25:20
Local clock offset: -3.74 ms
Remote clock offset: -34.793 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 63.398 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.53 Mbit/s
95th percentile per-packet one-way delay: 63.507 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 63.346 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 61.563 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link

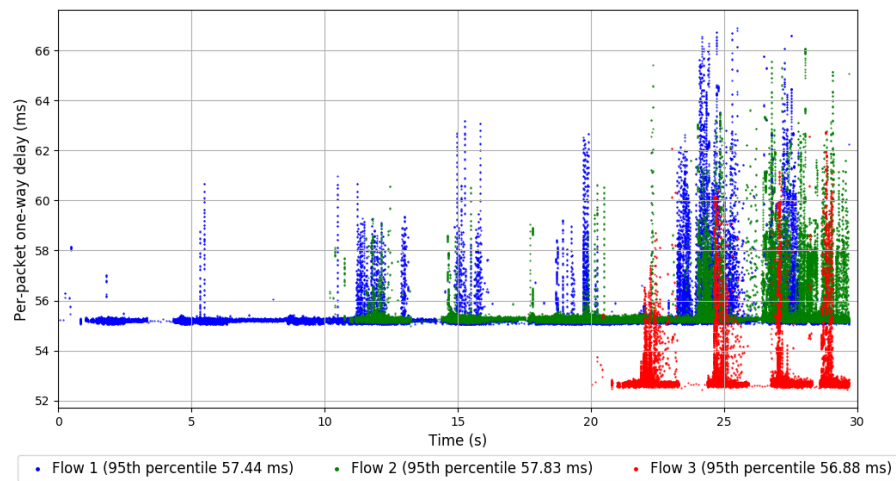
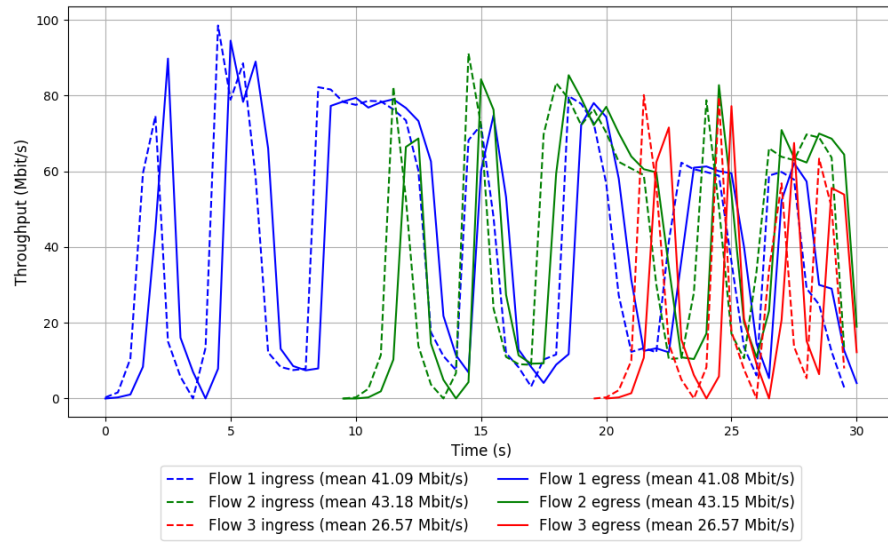


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 04:53:19
End at: 2018-05-22 04:53:49
Local clock offset: -0.003 ms
Remote clock offset: -41.437 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 57.625 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 57.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.15 Mbit/s
95th percentile per-packet one-way delay: 57.834 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 56.885 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

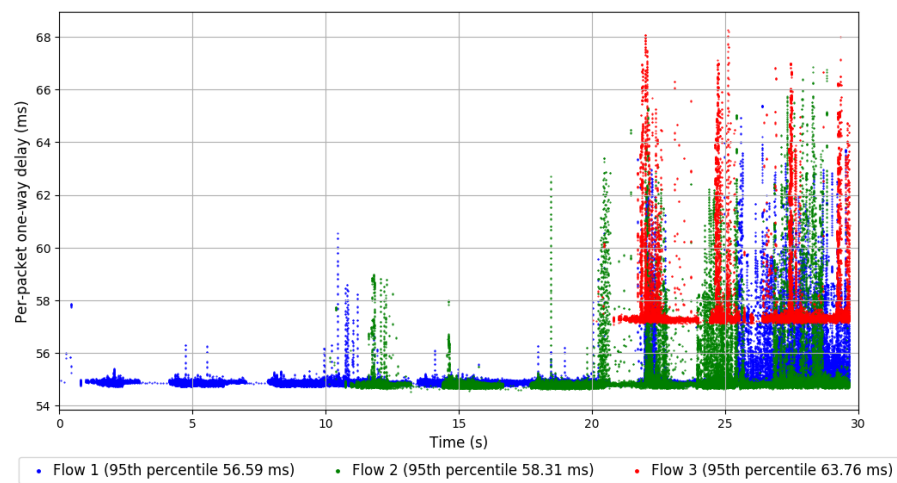
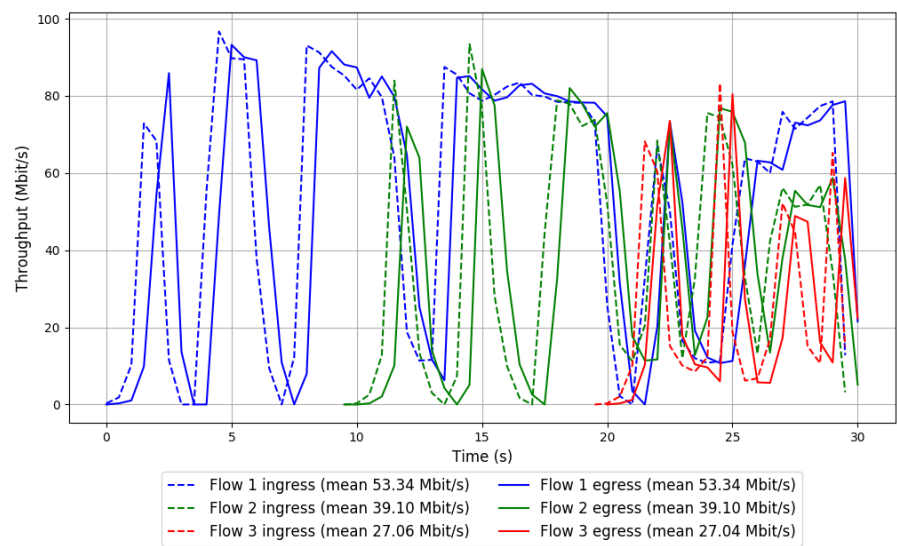


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 05:25:41
End at: 2018-05-22 05:26:11
Local clock offset: -0.251 ms
Remote clock offset: -37.742 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 58.393 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 56.587 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 58.309 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 63.761 ms
Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link

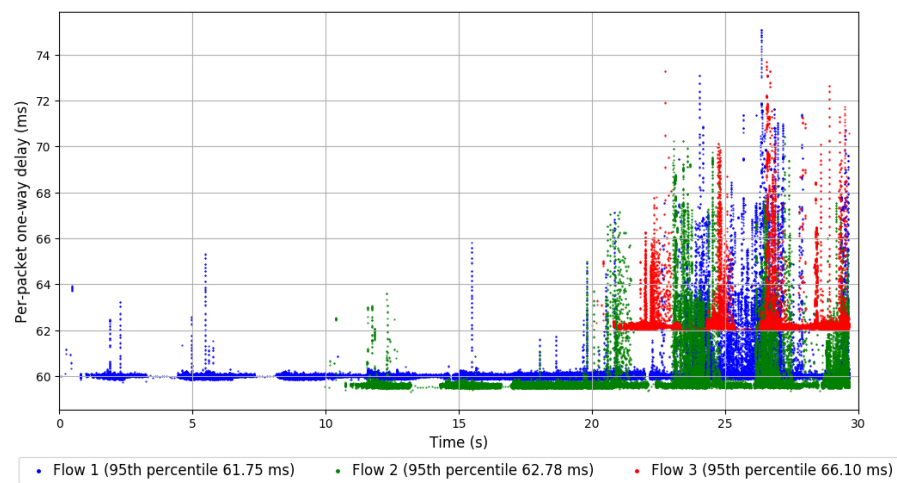
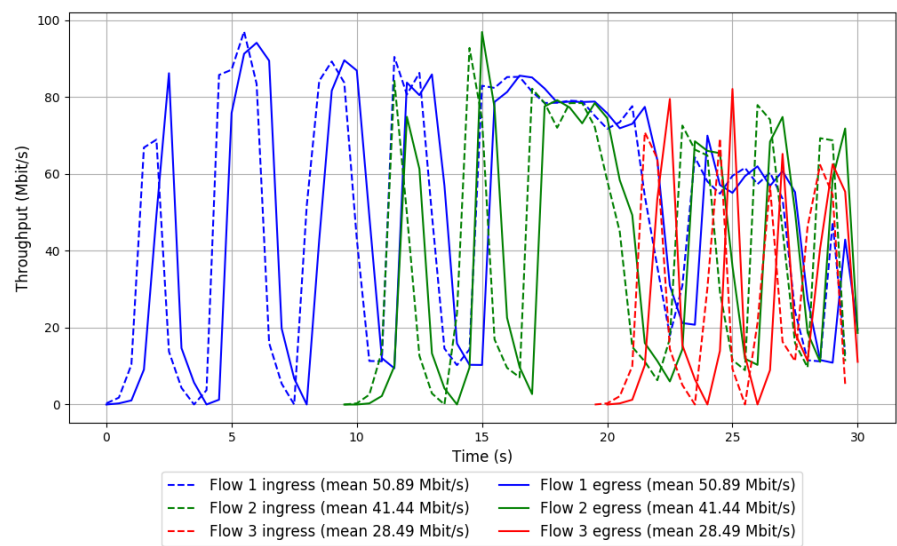


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 05:48:21
End at: 2018-05-22 05:48:51
Local clock offset: 1.511 ms
Remote clock offset: -33.05 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 62.908 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.89 Mbit/s
95th percentile per-packet one-way delay: 61.754 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 62.777 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 66.096 ms
Loss rate: 0.09%

Run 6: Report of QUIC Cubic — Data Link

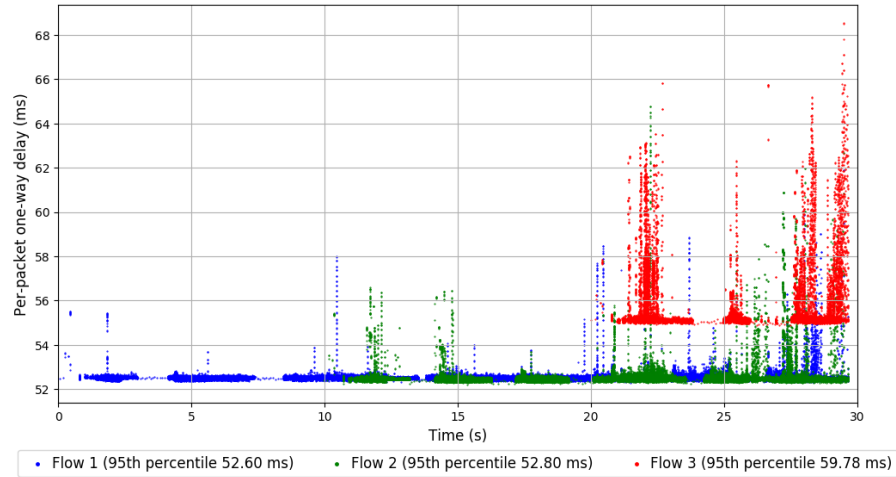
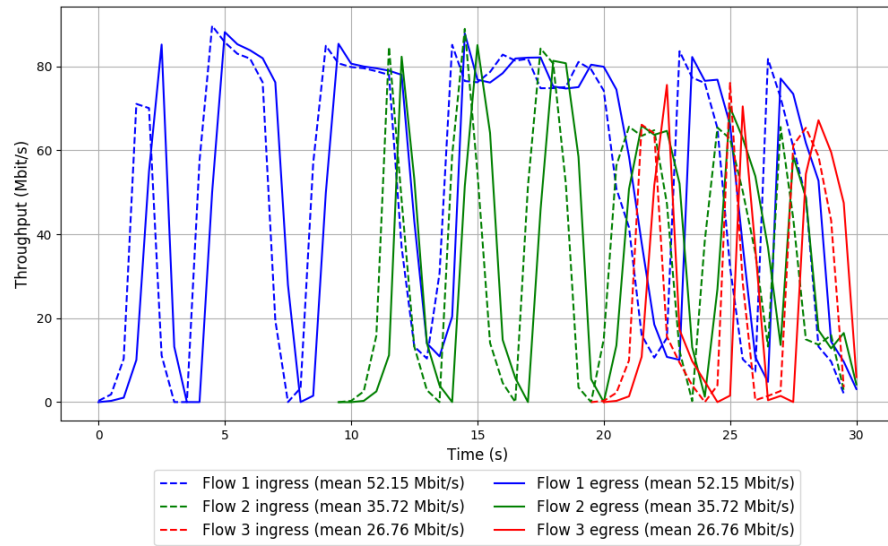


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 06:16:37
End at: 2018-05-22 06:17:07
Local clock offset: 1.037 ms
Remote clock offset: -37.645 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 55.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.15 Mbit/s
95th percentile per-packet one-way delay: 52.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 52.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 59.777 ms
Loss rate: 0.01%

Run 7: Report of QUIC Cubic — Data Link

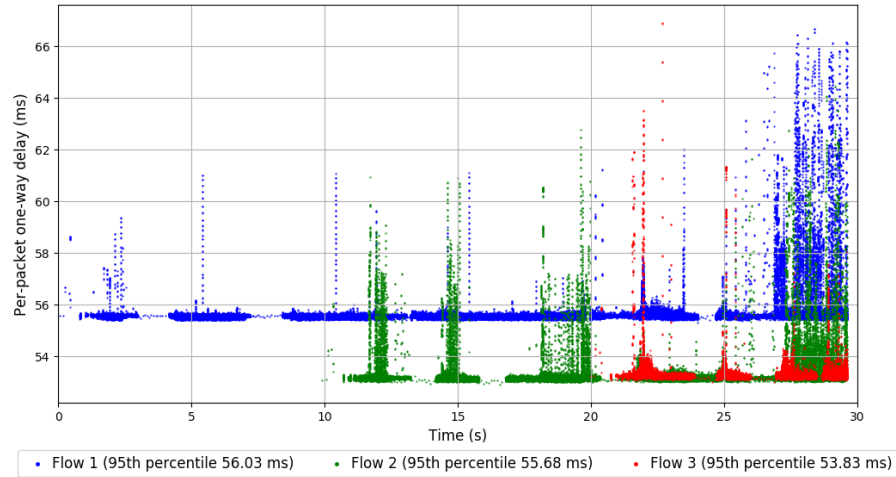
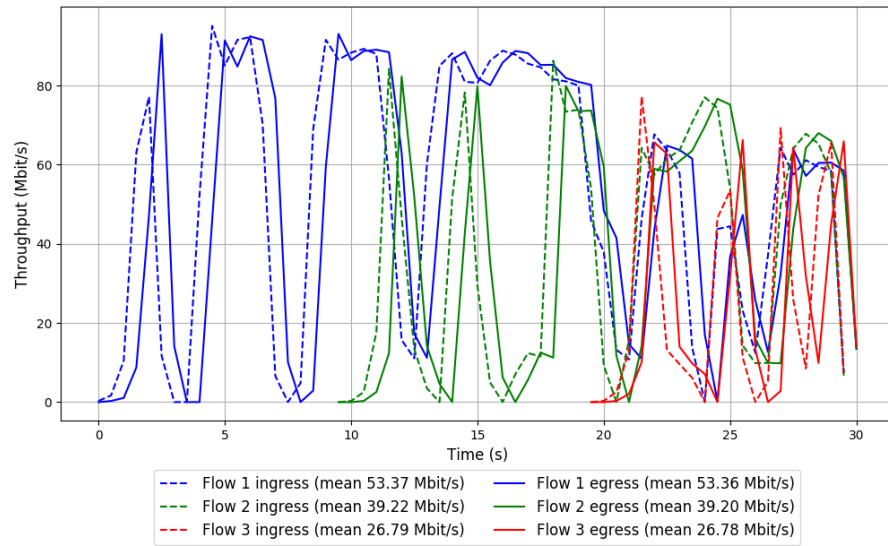


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 06:50:20
End at: 2018-05-22 06:50:50
Local clock offset: -0.857 ms
Remote clock offset: -38.861 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 55.877 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: 56.033 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 55.679 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 53.834 ms
Loss rate: 0.02%

Run 8: Report of QUIC Cubic — Data Link

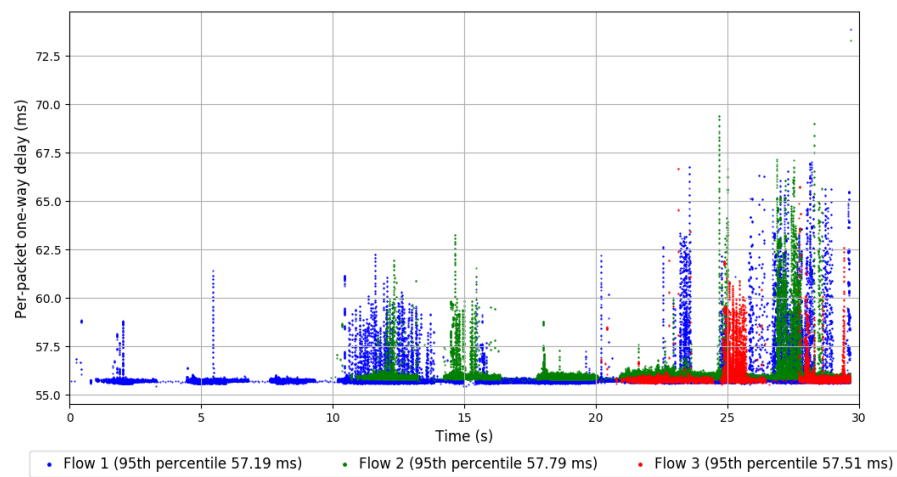
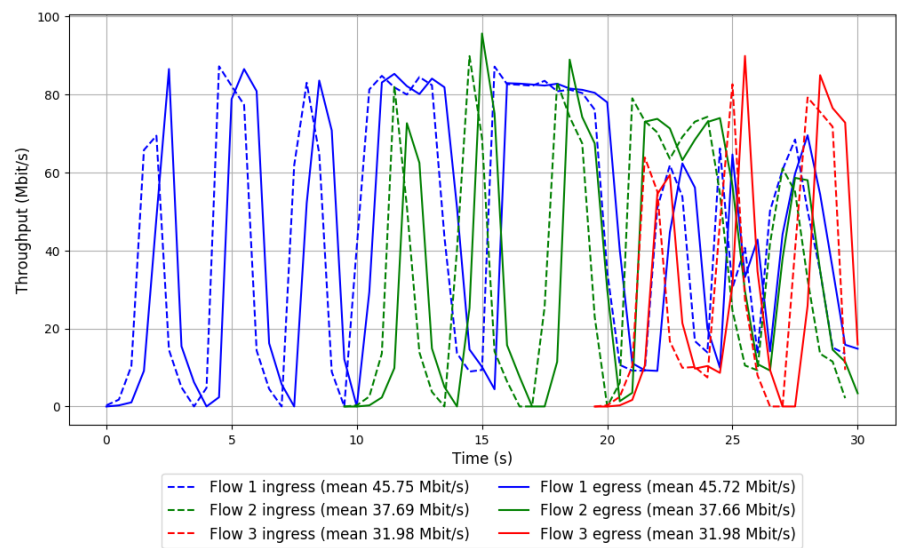


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 07:13:12
End at: 2018-05-22 07:13:42
Local clock offset: 0.173 ms
Remote clock offset: -40.551 ms

Below is generated by plot.py at 2018-05-22 08:25:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.22 Mbit/s
95th percentile per-packet one-way delay: 57.416 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.72 Mbit/s
95th percentile per-packet one-way delay: 57.186 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 57.787 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 57.506 ms
Loss rate: 0.03%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 07:36:03

End at: 2018-05-22 07:36:33

Local clock offset: 0.062 ms

Remote clock offset: -37.534 ms

Below is generated by plot.py at 2018-05-22 08:26:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.68 Mbit/s

95th percentile per-packet one-way delay: 59.207 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 52.50 Mbit/s

95th percentile per-packet one-way delay: 56.290 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 59.971 ms

Loss rate: 0.00%

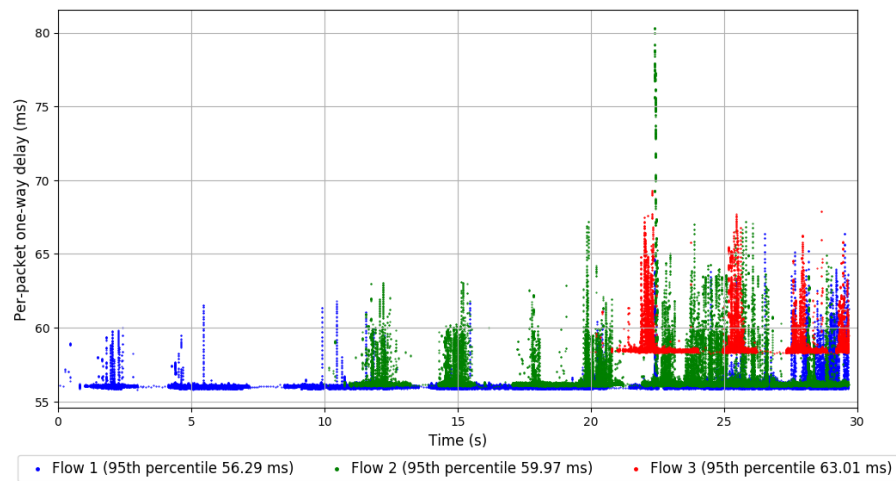
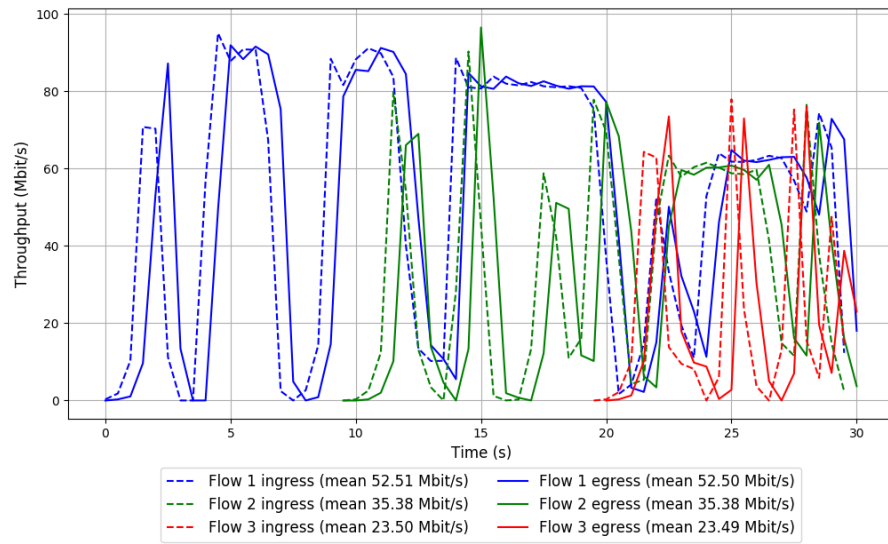
-- Flow 3:

Average throughput: 23.49 Mbit/s

95th percentile per-packet one-way delay: 63.006 ms

Loss rate: 0.03%

Run 10: Report of QUIC Cubic — Data Link

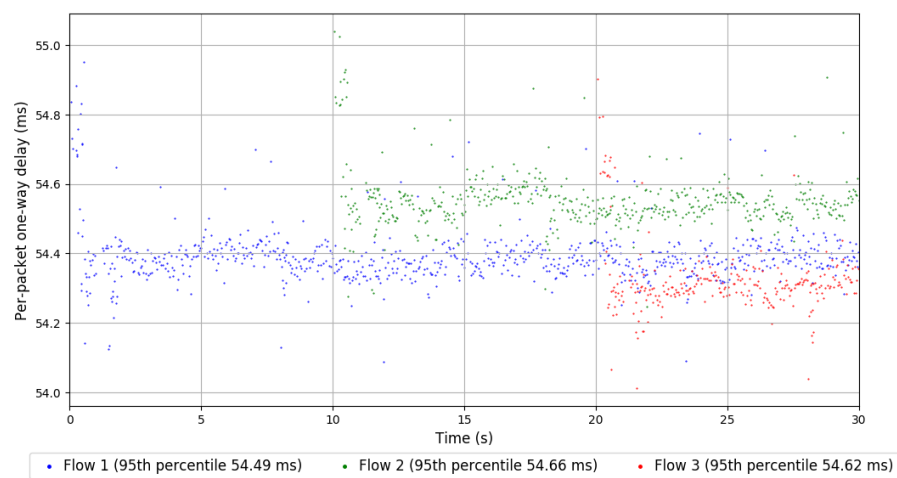
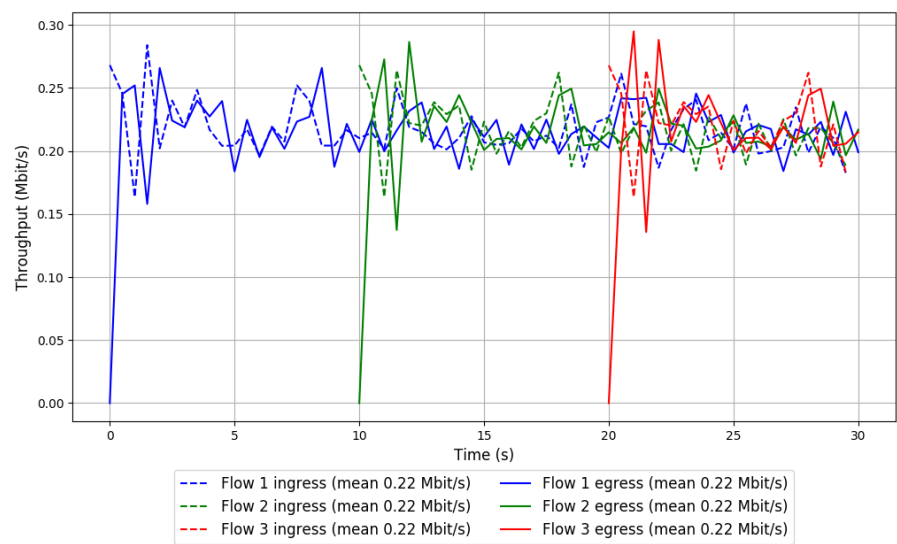


```
Run 1: Statistics of SReAM

Start at: 2018-05-22 03:32:00
End at: 2018-05-22 03:32:30
Local clock offset: 2.877 ms
Remote clock offset: -39.042 ms

# Below is generated by plot.py at 2018-05-22 08:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 54.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.492 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.658 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.620 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

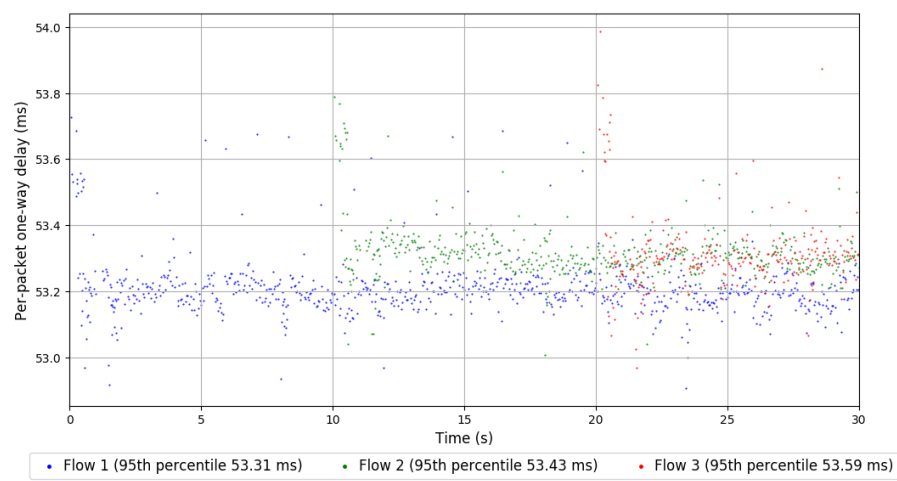
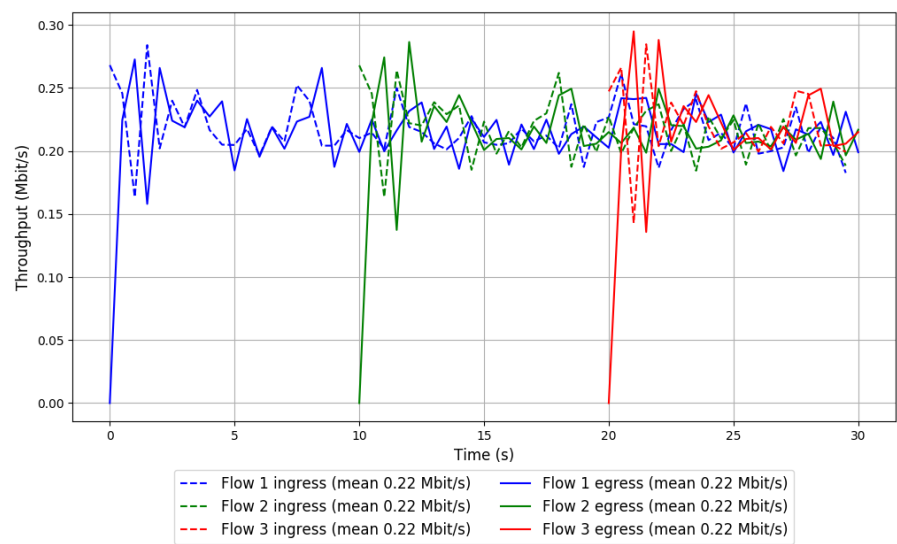


Run 2: Statistics of SReAM

Start at: 2018-05-22 03:55:07
End at: 2018-05-22 03:55:37
Local clock offset: 1.632 ms
Remote clock offset: -41.257 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 53.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.594 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

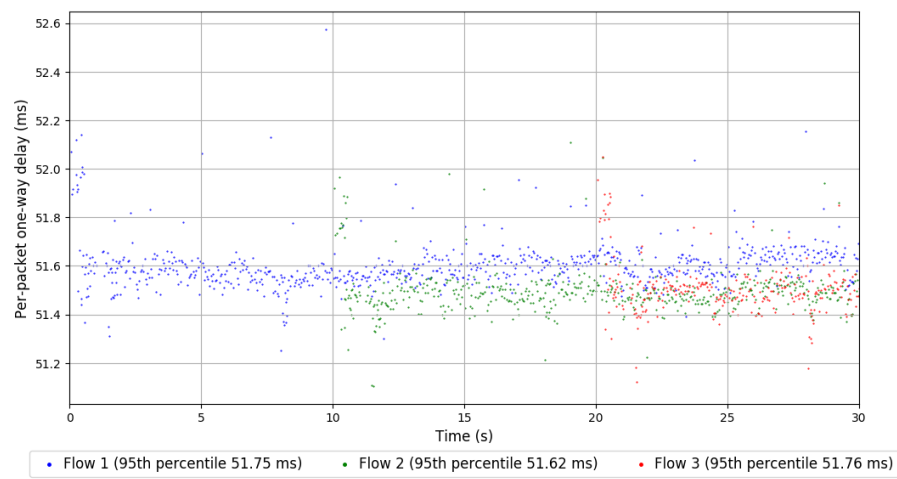
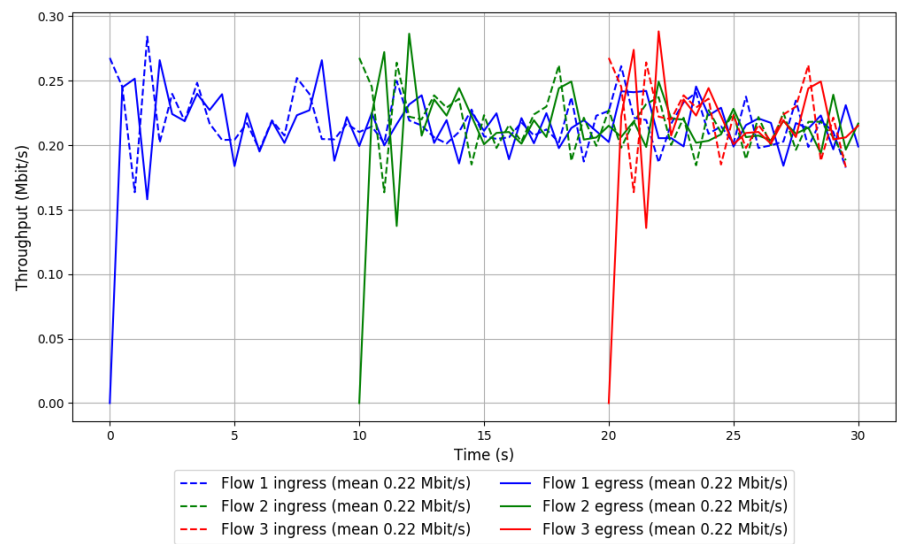


Run 3: Statistics of SReAM

Start at: 2018-05-22 04:29:02
End at: 2018-05-22 04:29:32
Local clock offset: 0.224 ms
Remote clock offset: -41.674 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 51.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.761 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

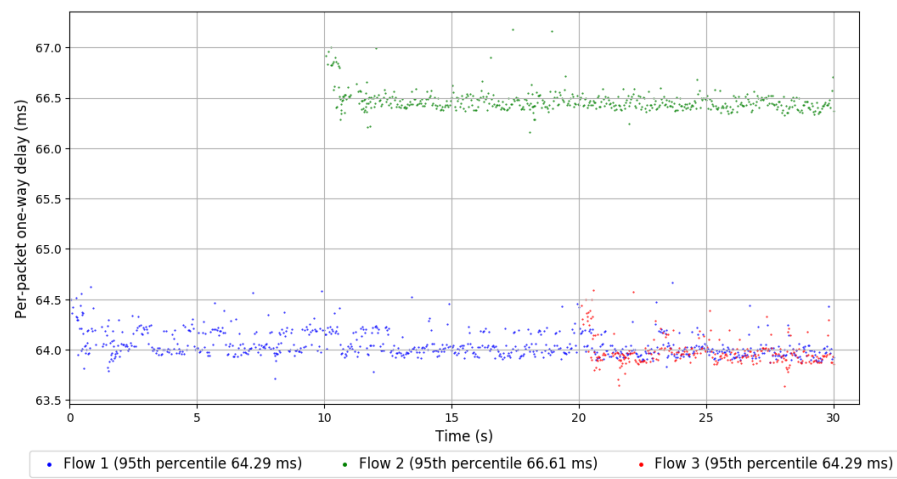
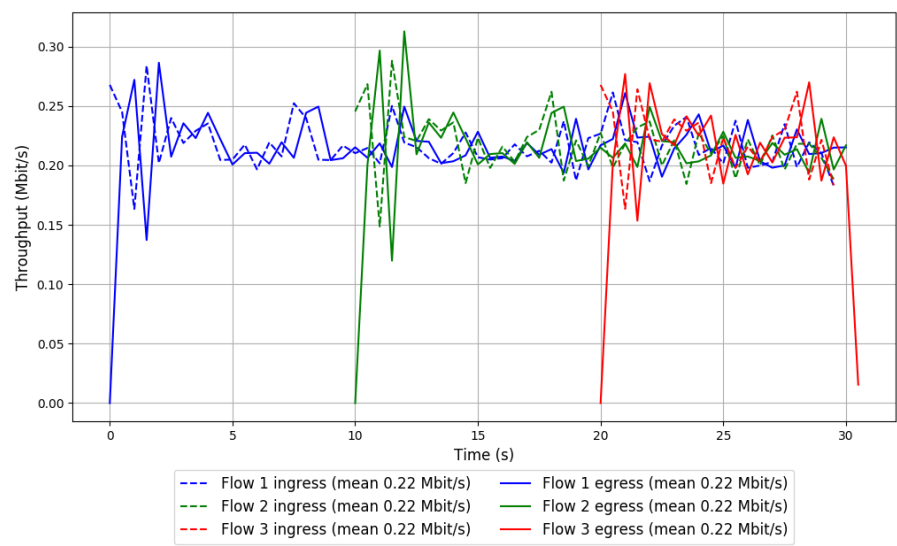


Run 4: Statistics of SReAM

Start at: 2018-05-22 04:57:28
End at: 2018-05-22 04:57:58
Local clock offset: 1.853 ms
Remote clock offset: -28.266 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.607 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.293 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

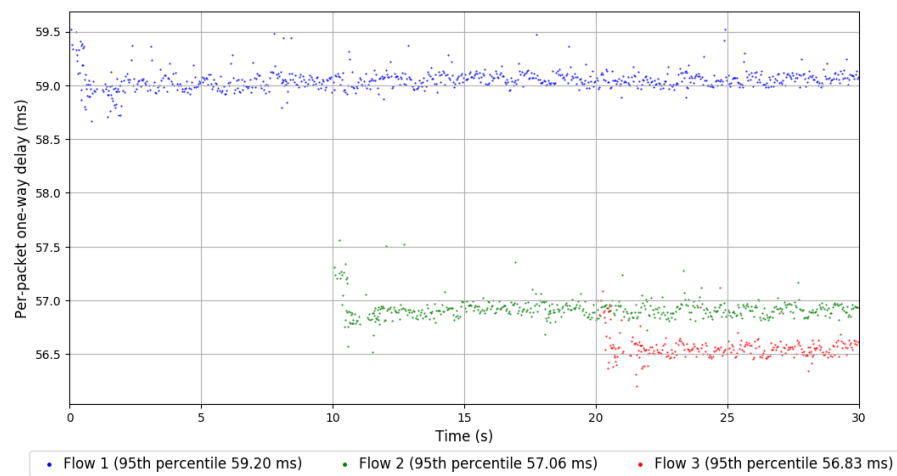
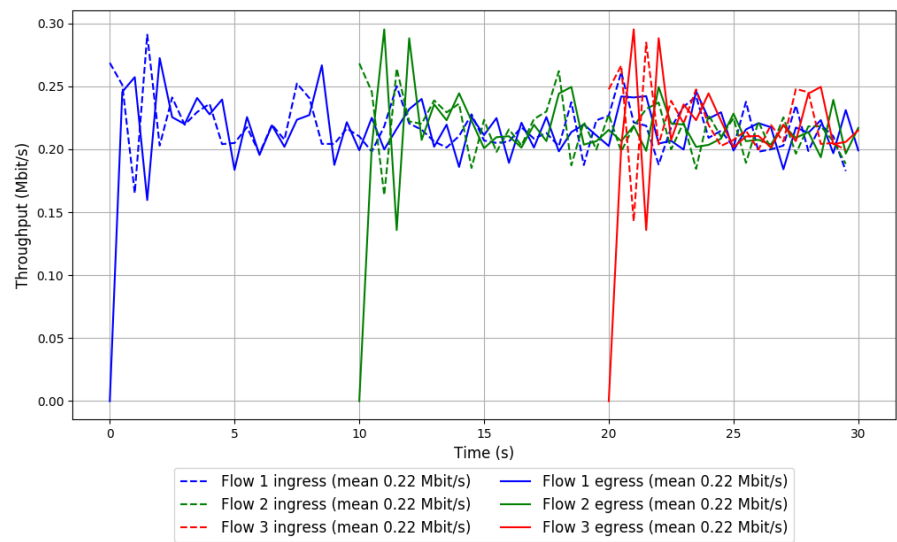


Run 5: Statistics of SReAM

Start at: 2018-05-22 05:29:50
End at: 2018-05-22 05:30:20
Local clock offset: -0.439 ms
Remote clock offset: -36.936 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 59.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.826 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

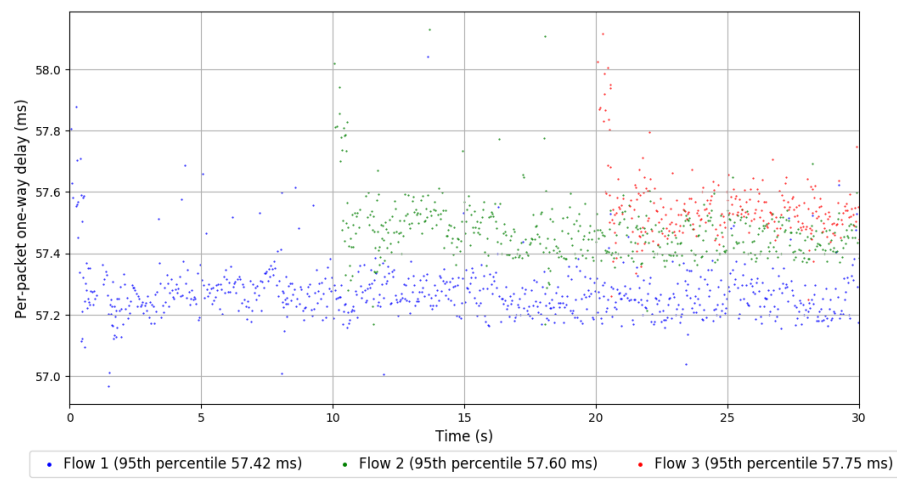
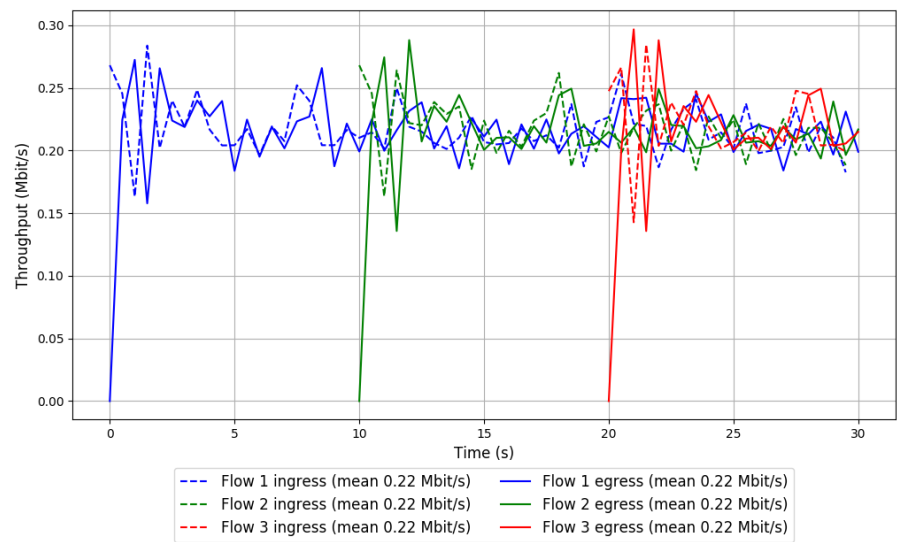


Run 6: Statistics of SReAM

Start at: 2018-05-22 05:52:29
End at: 2018-05-22 05:52:59
Local clock offset: 1.487 ms
Remote clock offset: -35.777 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 57.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.419 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.599 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.747 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

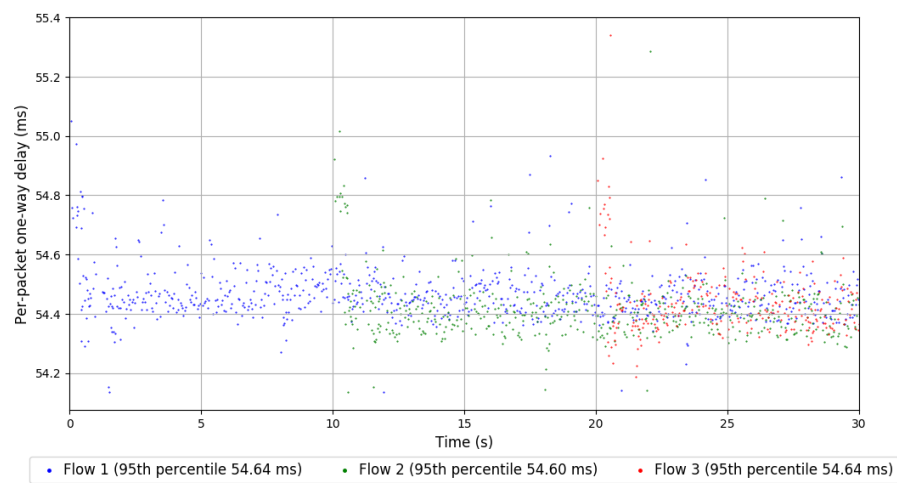
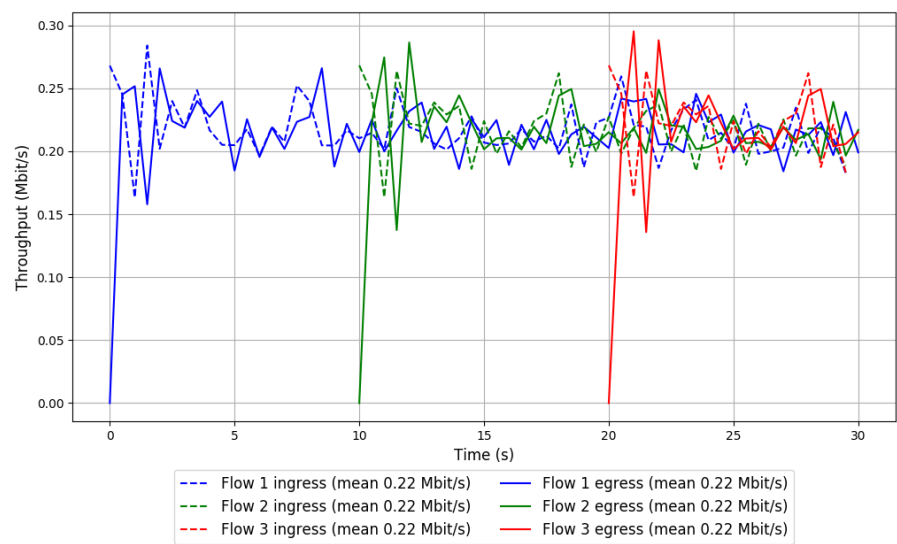


Run 7: Statistics of SReAM

Start at: 2018-05-22 06:20:44
End at: 2018-05-22 06:21:14
Local clock offset: -0.792 ms
Remote clock offset: -37.651 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 54.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.636 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.643 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

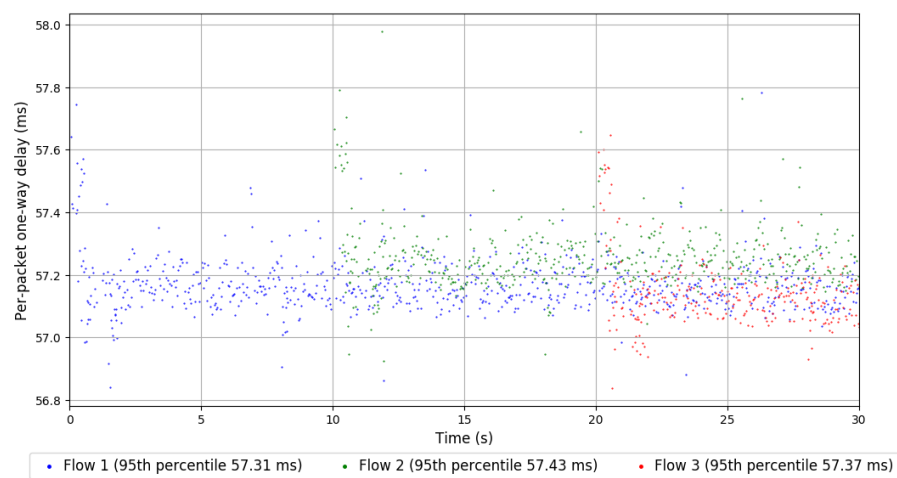
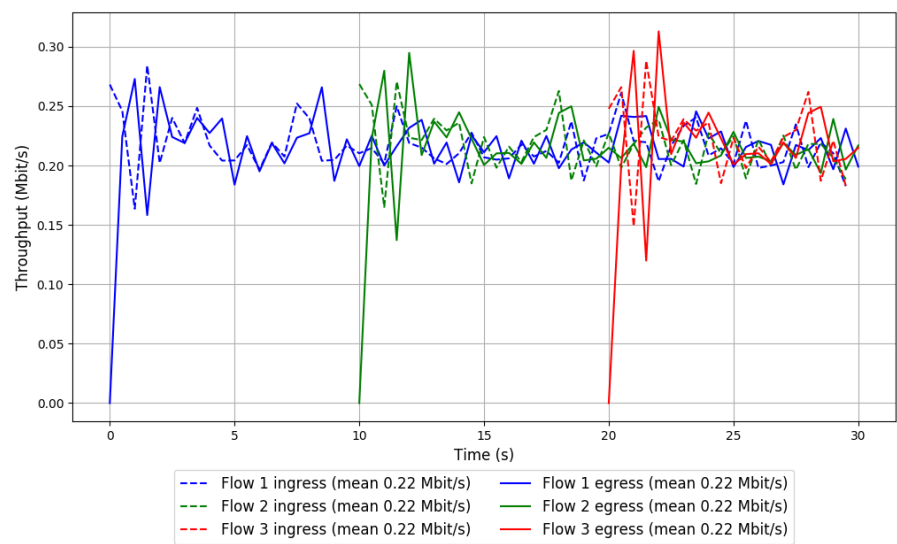


Run 8: Statistics of SReAM

Start at: 2018-05-22 06:54:35
End at: 2018-05-22 06:55:05
Local clock offset: -0.728 ms
Remote clock offset: -37.219 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 57.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.371 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

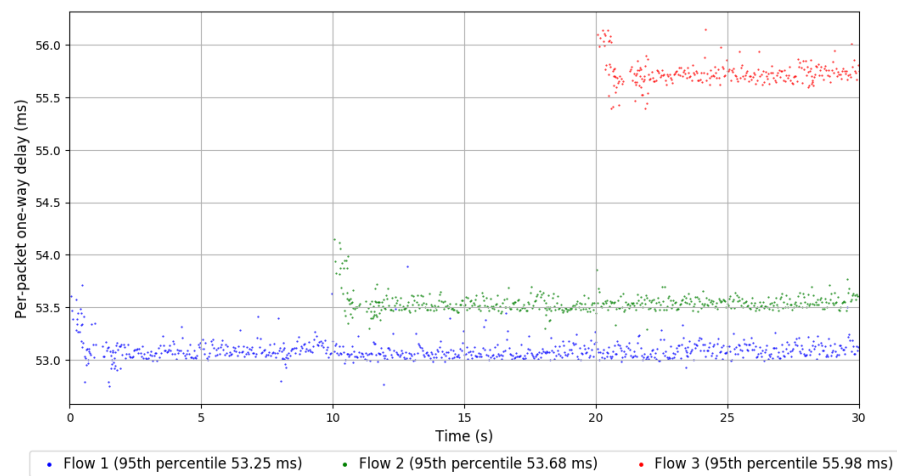
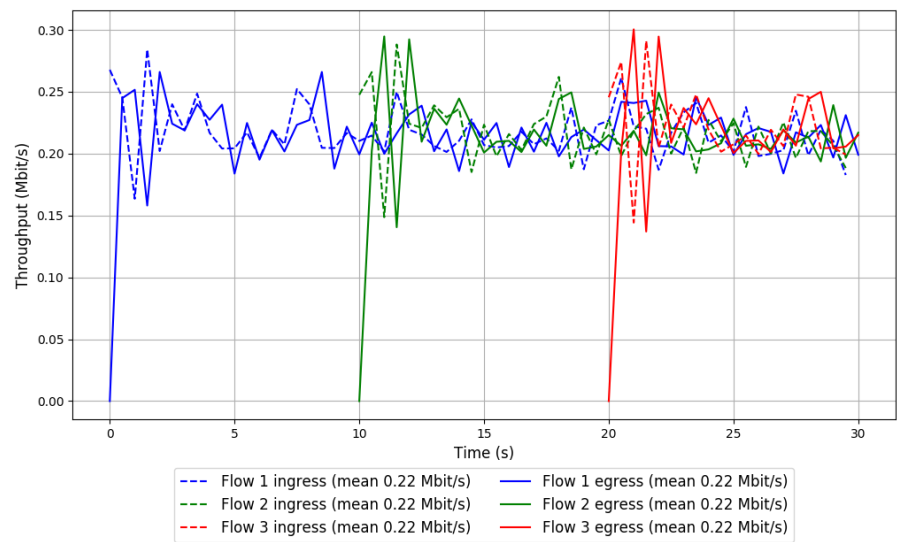


Run 9: Statistics of SReAM

Start at: 2018-05-22 07:17:20
End at: 2018-05-22 07:17:50
Local clock offset: 2.727 ms
Remote clock offset: -38.482 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 55.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 55.983 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

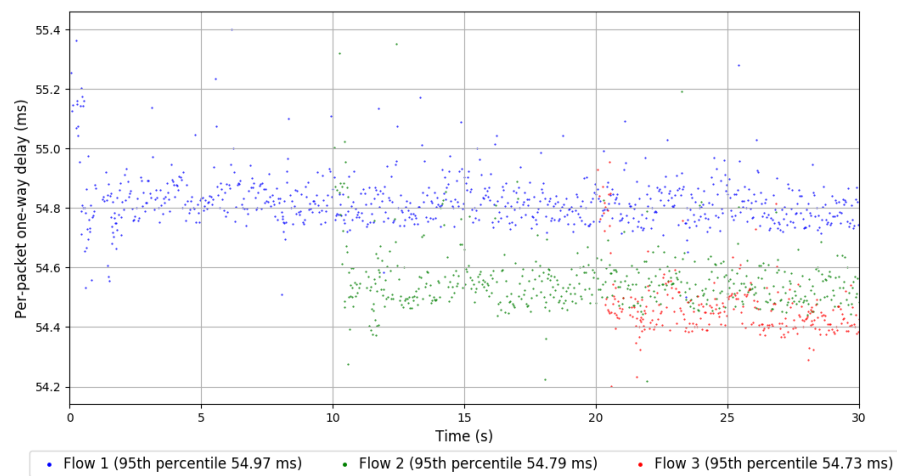
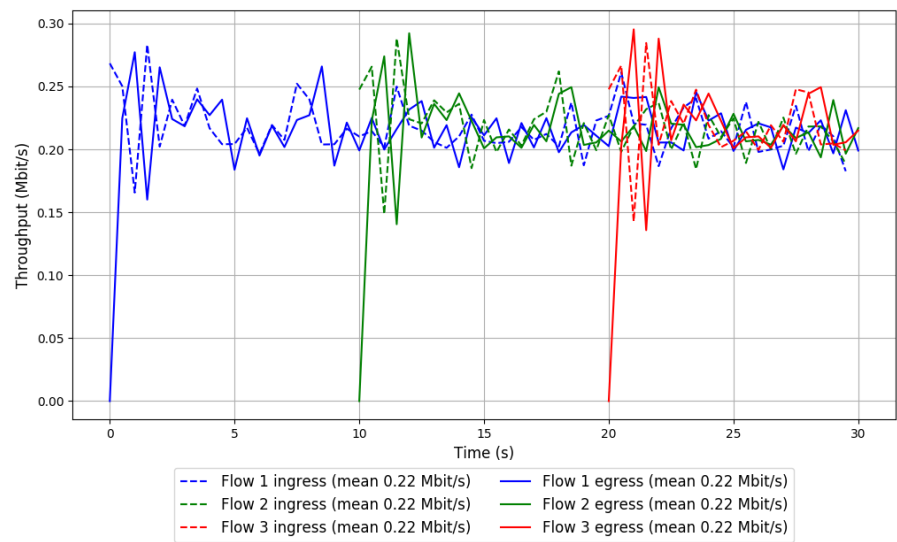


Run 10: Statistics of SReAM

Start at: 2018-05-22 07:40:13
End at: 2018-05-22 07:40:43
Local clock offset: 0.743 ms
Remote clock offset: -40.657 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 54.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.788 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.729 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

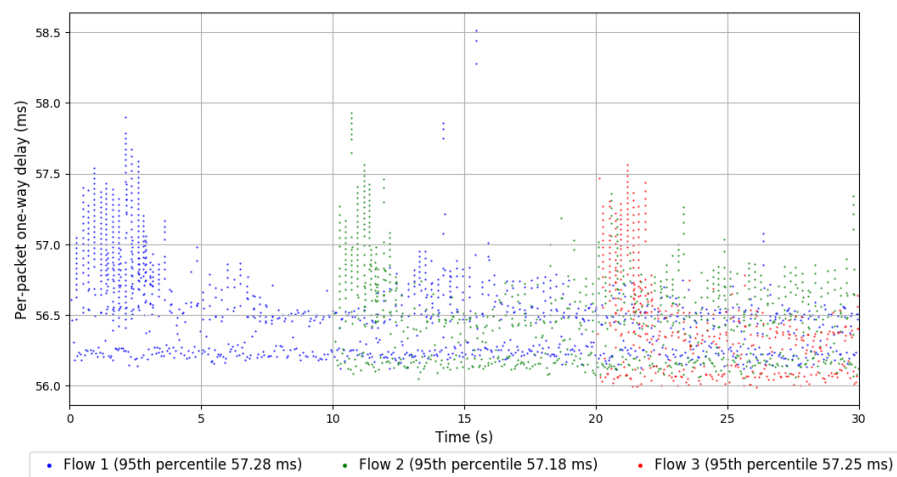
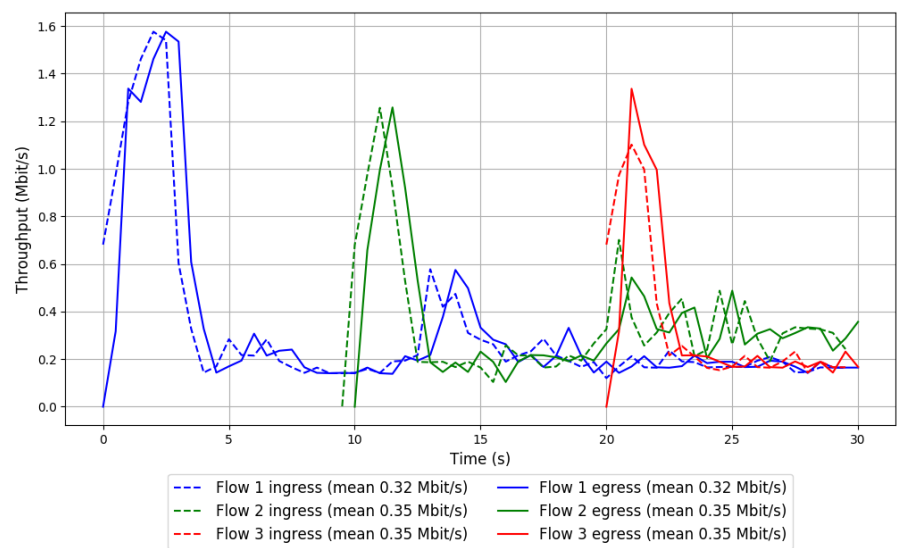


Run 1: Statistics of Sprout

Start at: 2018-05-22 03:34:36
End at: 2018-05-22 03:35:06
Local clock offset: 1.181 ms
Remote clock offset: -38.698 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 57.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 57.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 57.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 57.247 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

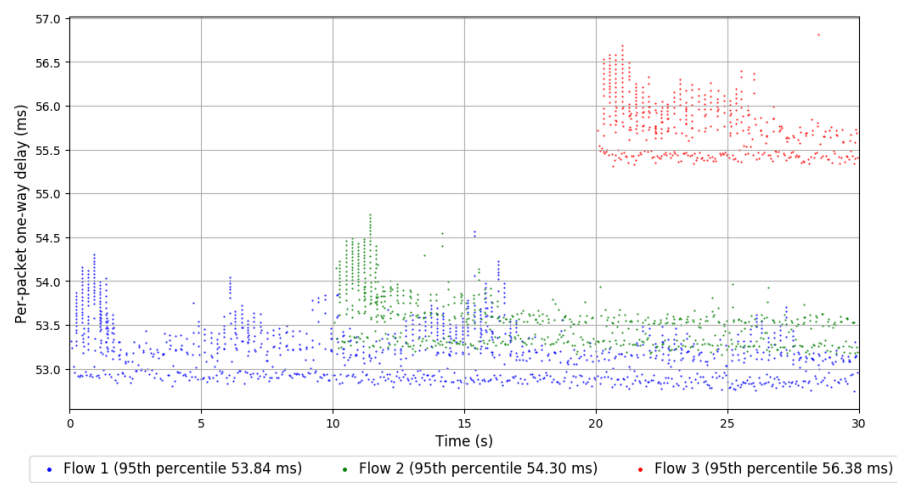
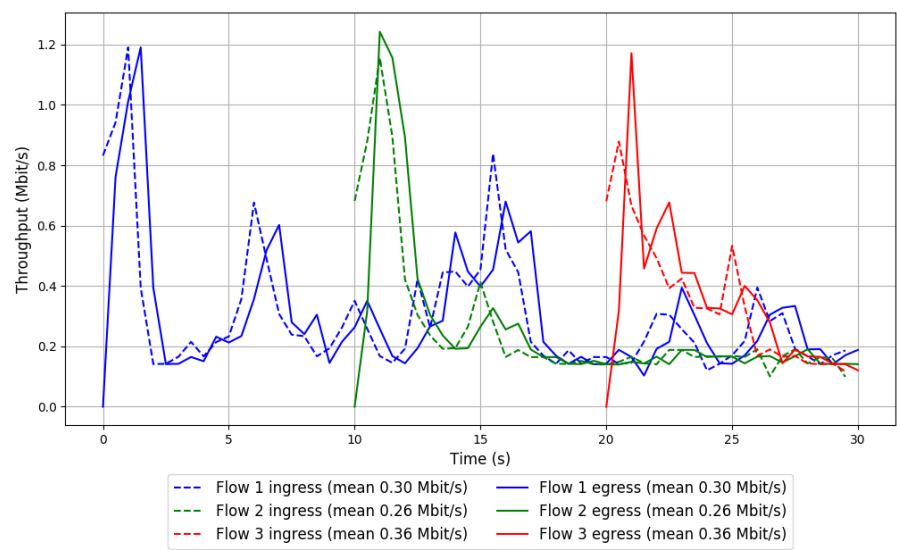


Run 2: Statistics of Sprout

Start at: 2018-05-22 04:03:09
End at: 2018-05-22 04:03:39
Local clock offset: 0.614 ms
Remote clock offset: -40.717 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 55.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 54.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 56.383 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

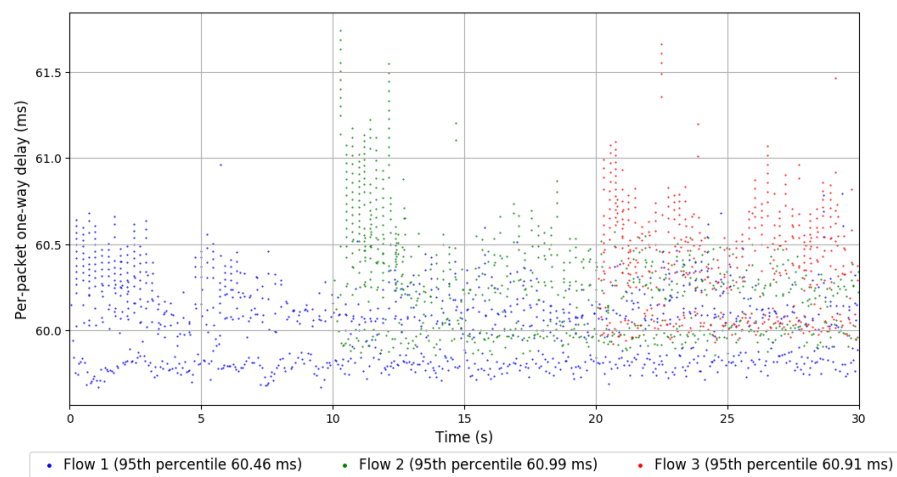
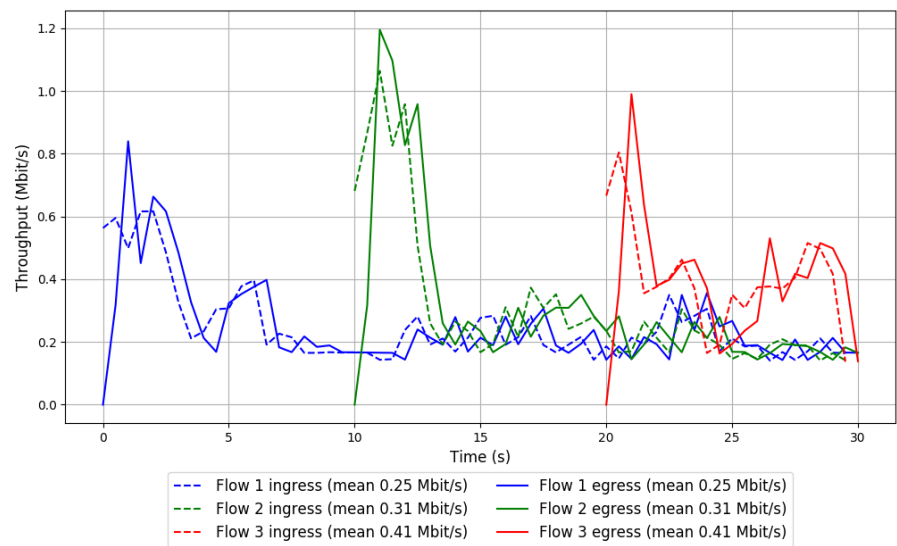


Run 3: Statistics of Sprout

Start at: 2018-05-22 04:31:39
End at: 2018-05-22 04:32:09
Local clock offset: 0.441 ms
Remote clock offset: -32.993 ms

```
# Below is generated by plot.py at 2018-05-22 08:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 60.807 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 60.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 60.992 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 60.911 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

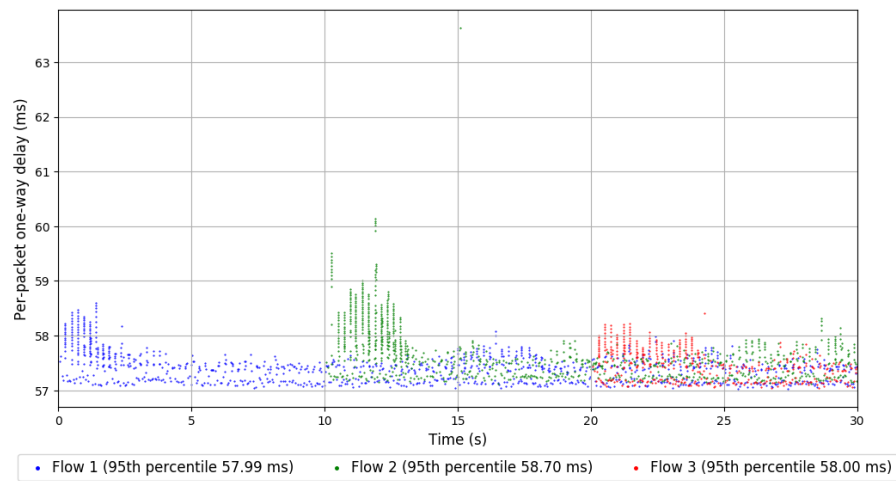
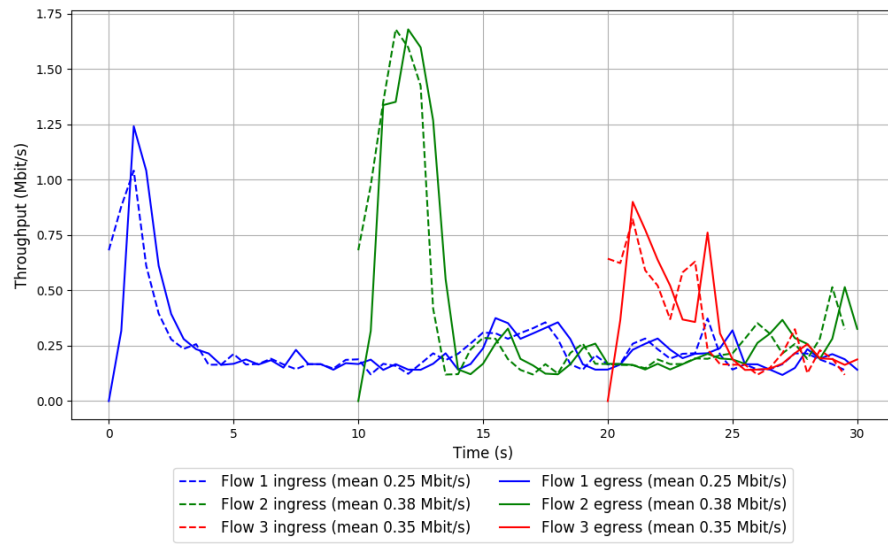


Run 4: Statistics of Sprout

Start at: 2018-05-22 05:00:04
End at: 2018-05-22 05:00:34
Local clock offset: 1.248 ms
Remote clock offset: -35.156 ms

```
# Below is generated by plot.py at 2018-05-22 08:26:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 58.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 57.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 58.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 58.000 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

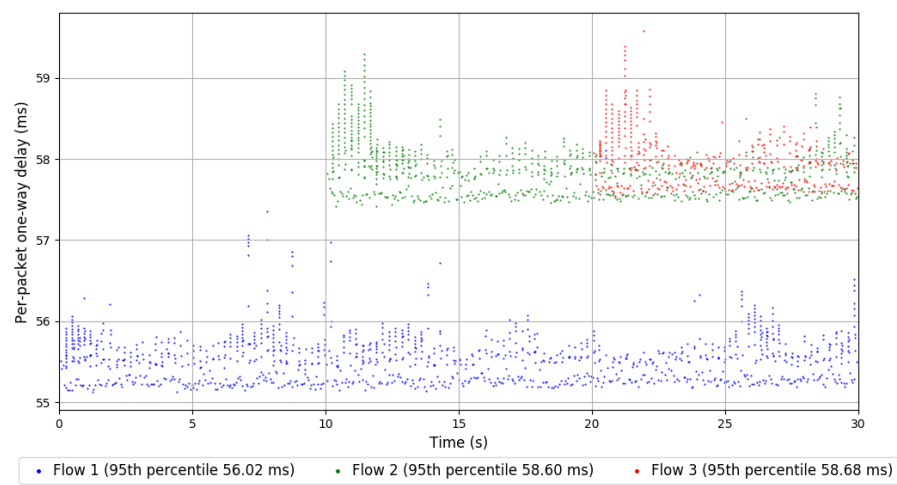
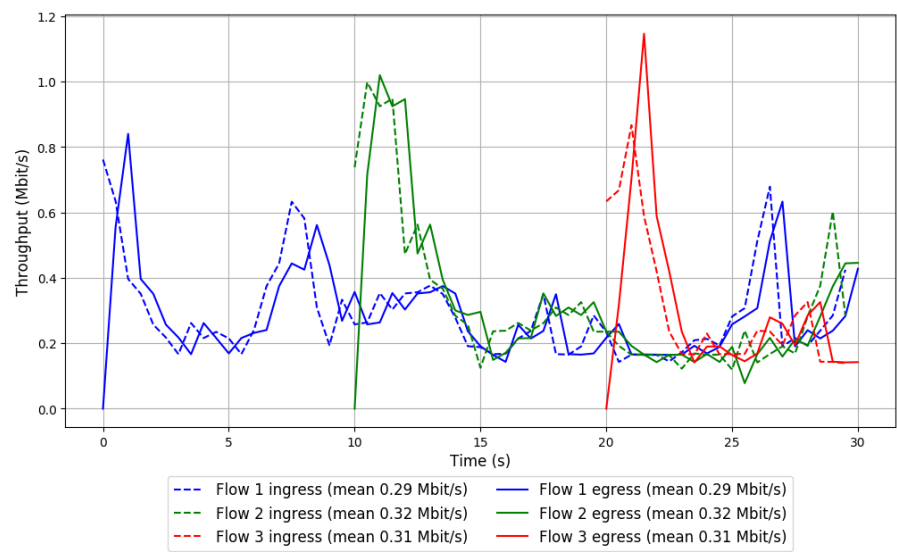


Run 5: Statistics of Sprout

Start at: 2018-05-22 05:32:25
End at: 2018-05-22 05:32:55
Local clock offset: -1.376 ms
Remote clock offset: -39.493 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 58.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 56.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 58.599 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 58.677 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

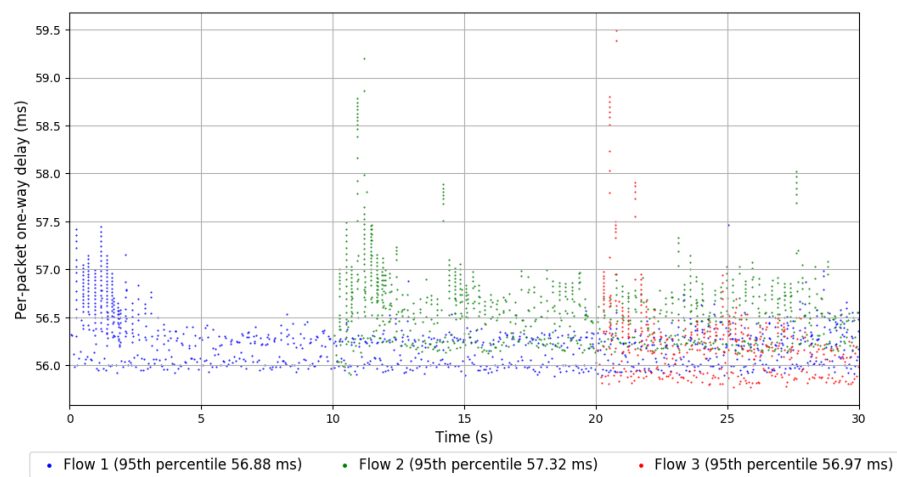
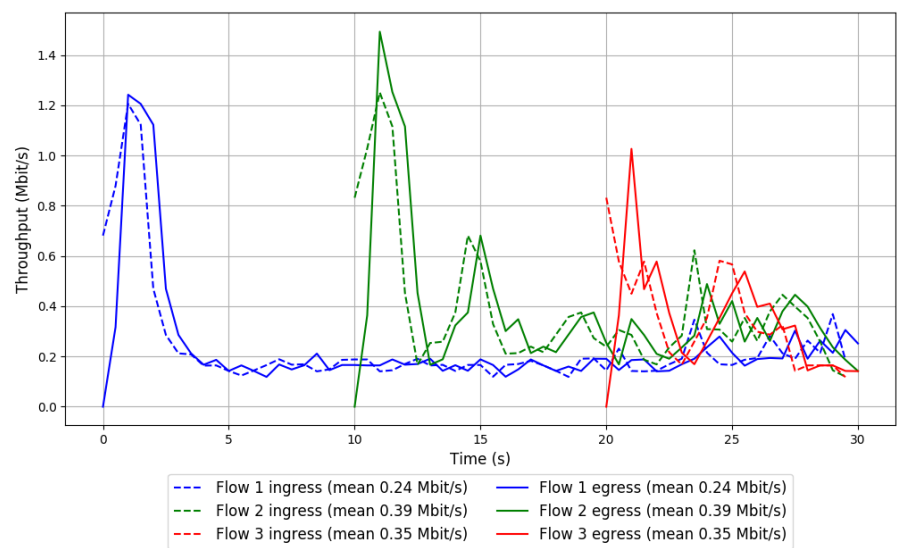


Run 6: Statistics of Sprout

Start at: 2018-05-22 05:55:05
End at: 2018-05-22 05:55:35
Local clock offset: 2.895 ms
Remote clock offset: -35.306 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 57.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 56.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 57.319 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 56.973 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

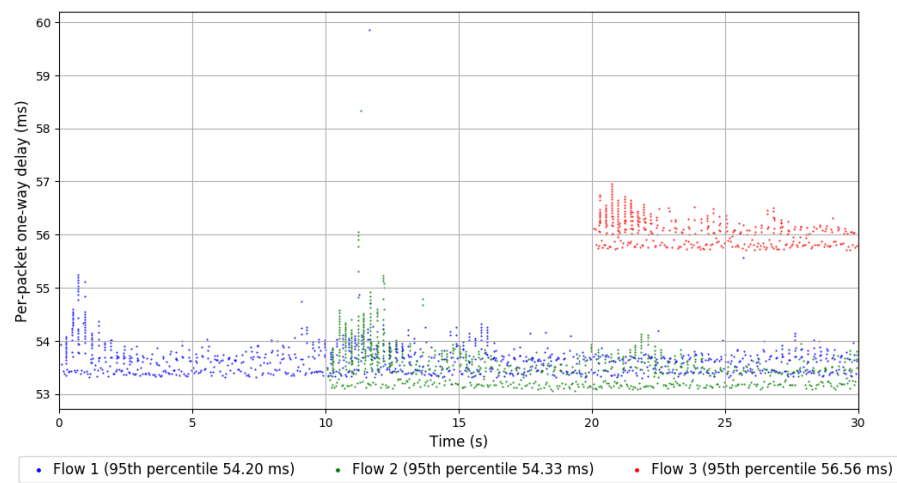
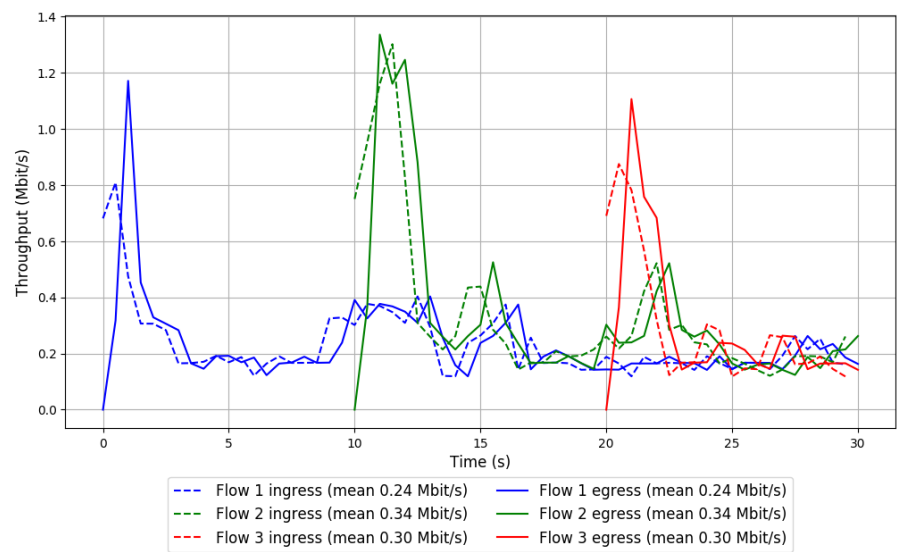


Run 7: Statistics of Sprout

Start at: 2018-05-22 06:28:55
End at: 2018-05-22 06:29:25
Local clock offset: -0.741 ms
Remote clock offset: -38.531 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 56.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 54.202 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 54.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 56.559 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

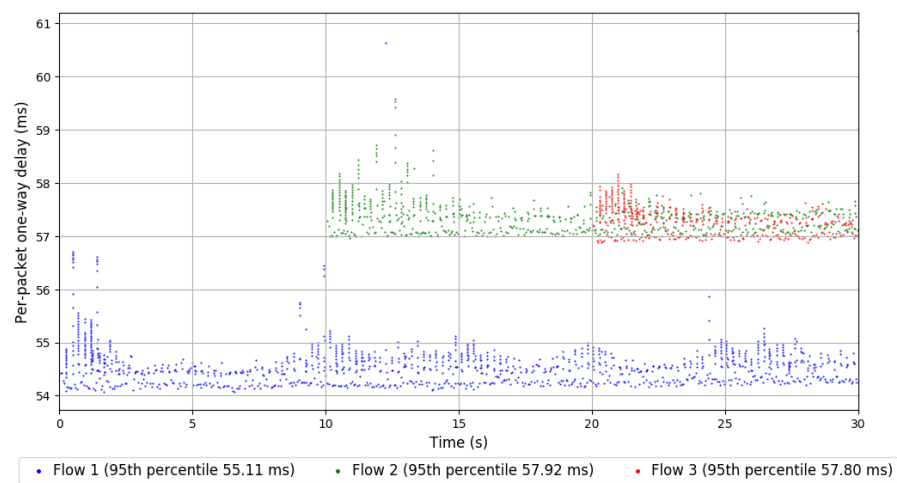
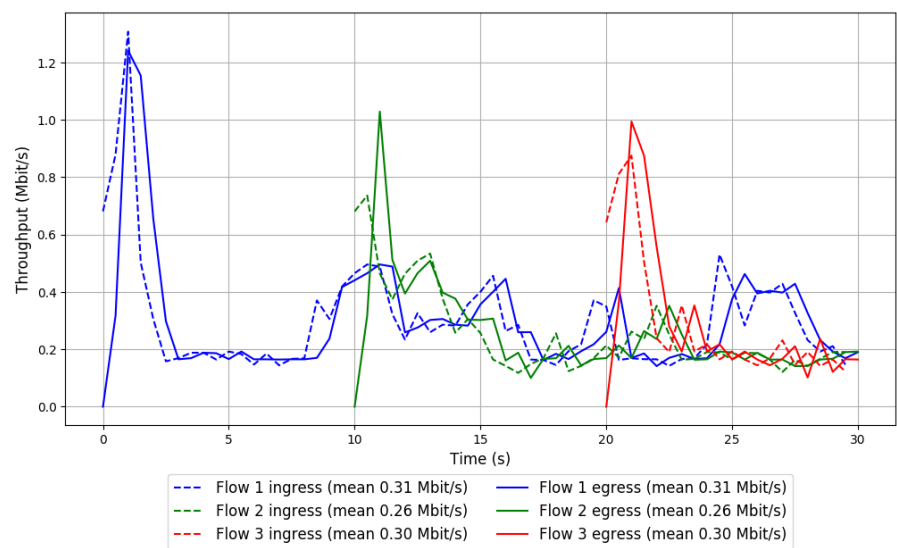


Run 8: Statistics of Sprout

Start at: 2018-05-22 06:57:12
End at: 2018-05-22 06:57:42
Local clock offset: -2.294 ms
Remote clock offset: -39.348 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 57.713 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 55.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 57.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 57.805 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

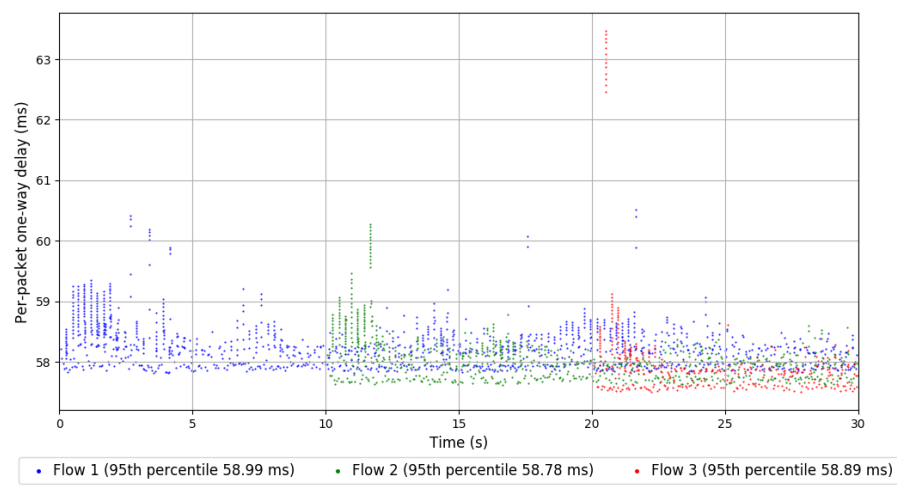
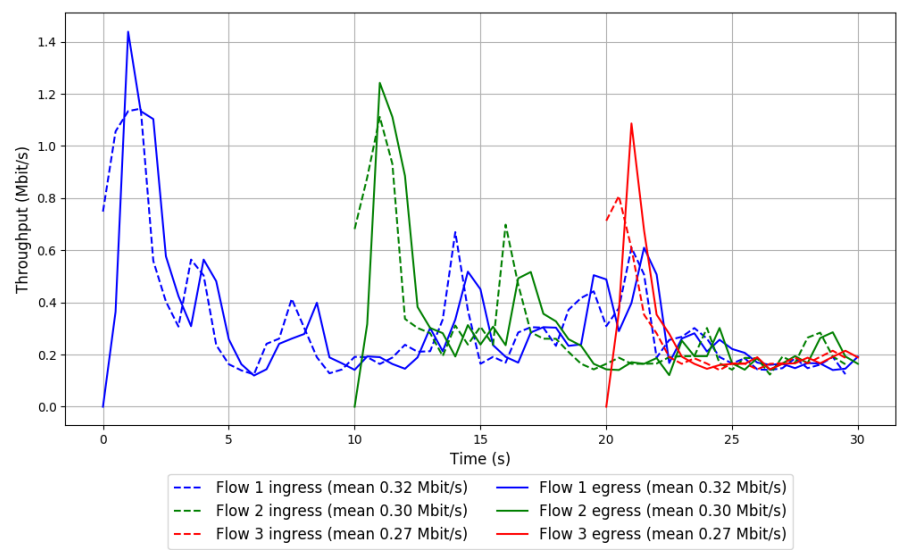


Run 9: Statistics of Sprout

Start at: 2018-05-22 07:19:57
End at: 2018-05-22 07:20:27
Local clock offset: 3.505 ms
Remote clock offset: -33.092 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 58.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 58.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 58.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 58.888 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

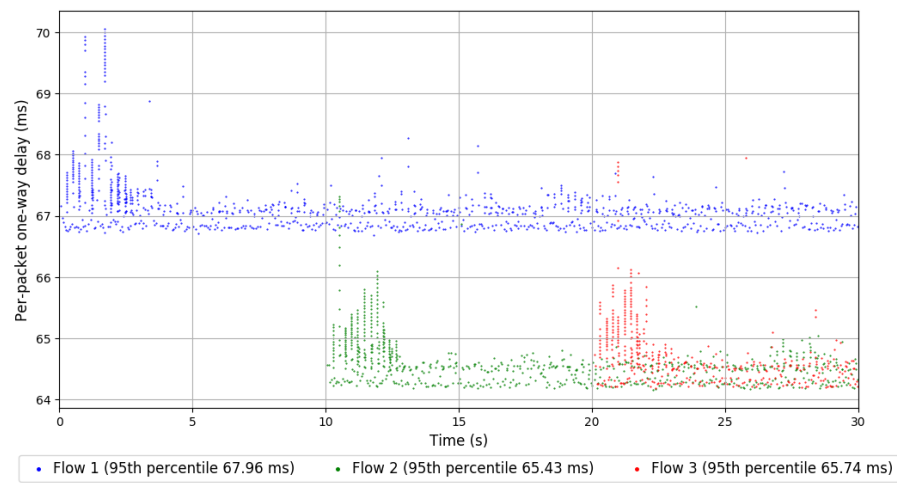
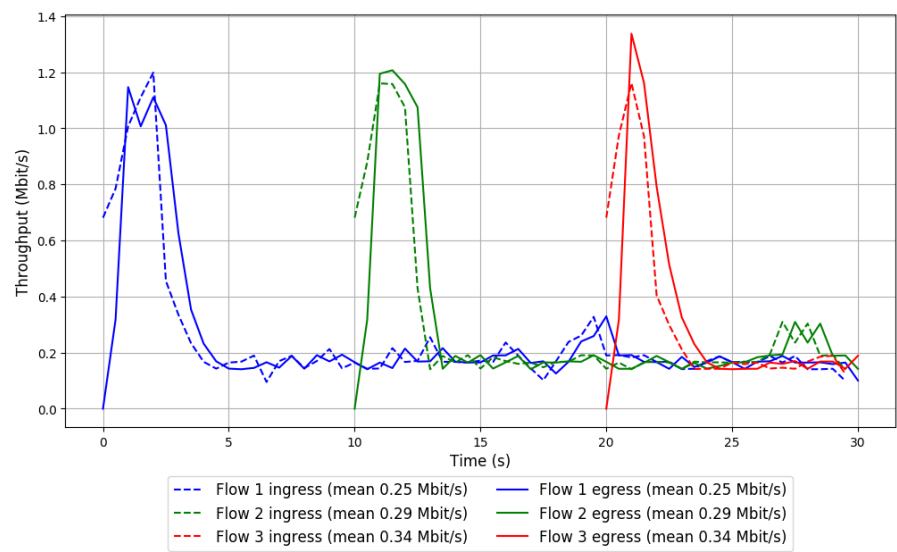


Run 10: Statistics of Sprout

Start at: 2018-05-22 07:42:48
End at: 2018-05-22 07:43:18
Local clock offset: 2.004 ms
Remote clock offset: -26.83 ms

Below is generated by plot.py at 2018-05-22 08:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 67.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 67.958 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 65.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 65.738 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

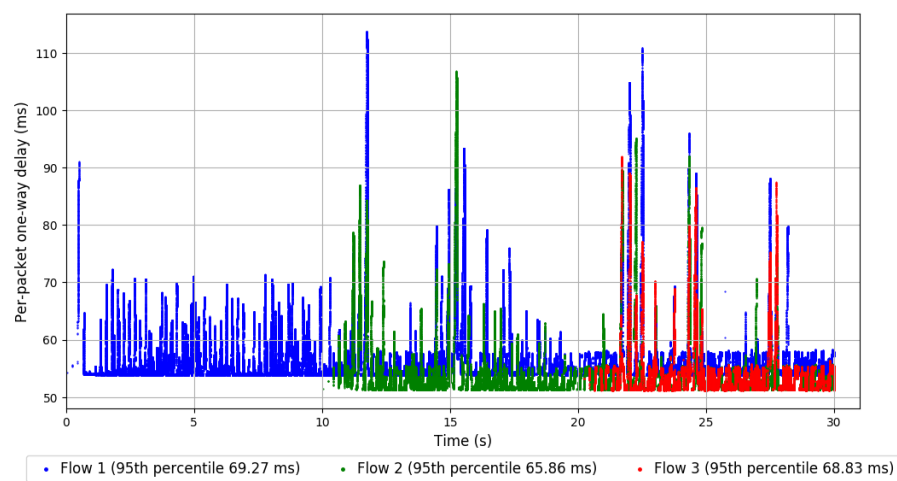
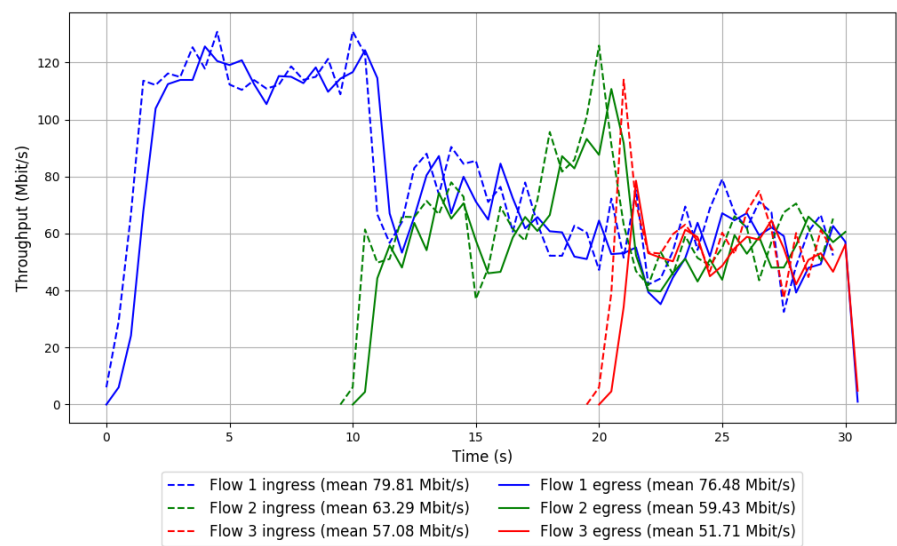


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 03:23:27
End at: 2018-05-22 03:23:57
Local clock offset: 2.994 ms
Remote clock offset: -41.604 ms

# Below is generated by plot.py at 2018-05-22 08:28:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 133.23 Mbit/s
95th percentile per-packet one-way delay: 68.846 ms
Loss rate: 5.44%
-- Flow 1:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 69.269 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 65.864 ms
Loss rate: 6.08%
-- Flow 3:
Average throughput: 51.71 Mbit/s
95th percentile per-packet one-way delay: 68.825 ms
Loss rate: 9.43%
```

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

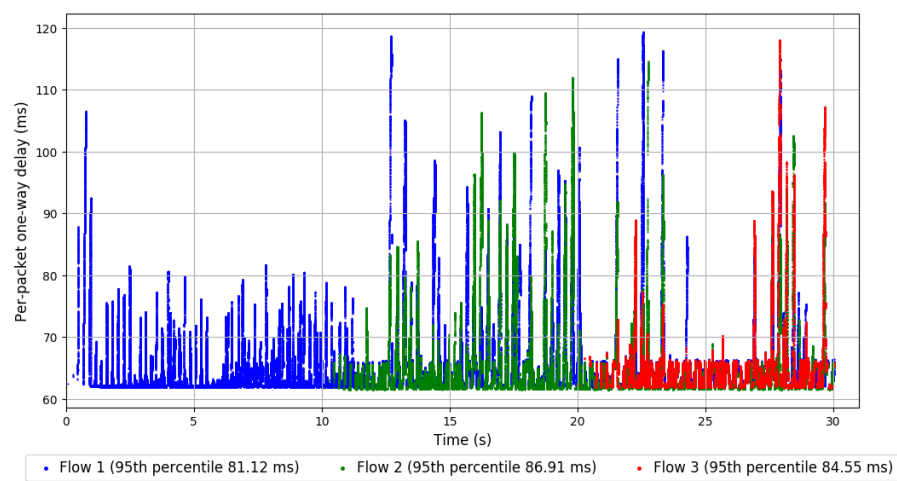
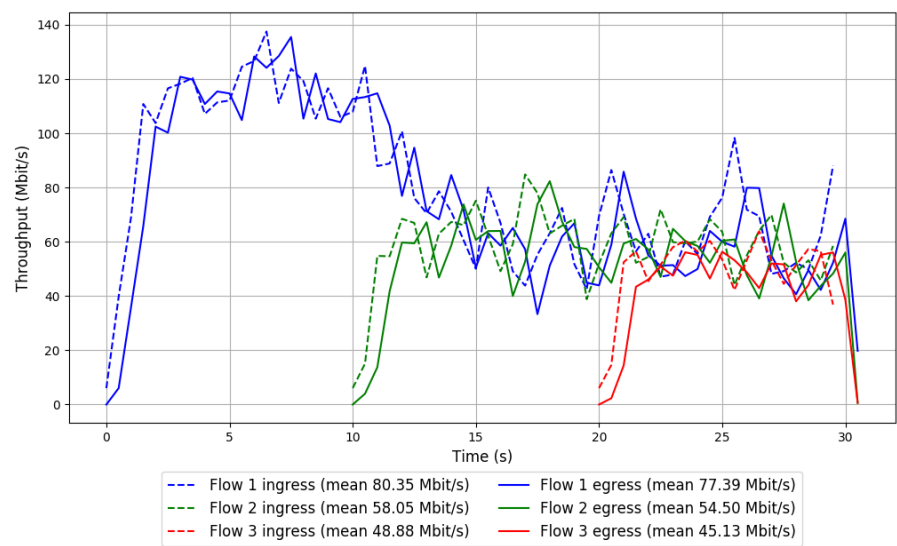


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 03:46:37
End at: 2018-05-22 03:47:07
Local clock offset: -0.186 ms
Remote clock offset: -37.077 ms

Below is generated by plot.py at 2018-05-22 08:28:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.69 Mbit/s
95th percentile per-packet one-way delay: 83.466 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 81.116 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 86.912 ms
Loss rate: 6.11%
-- Flow 3:
Average throughput: 45.13 Mbit/s
95th percentile per-packet one-way delay: 84.546 ms
Loss rate: 7.66%

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

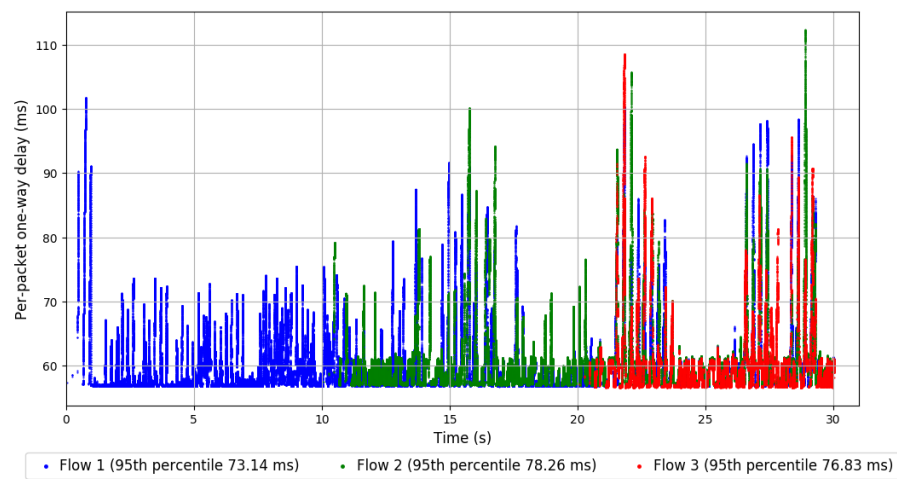
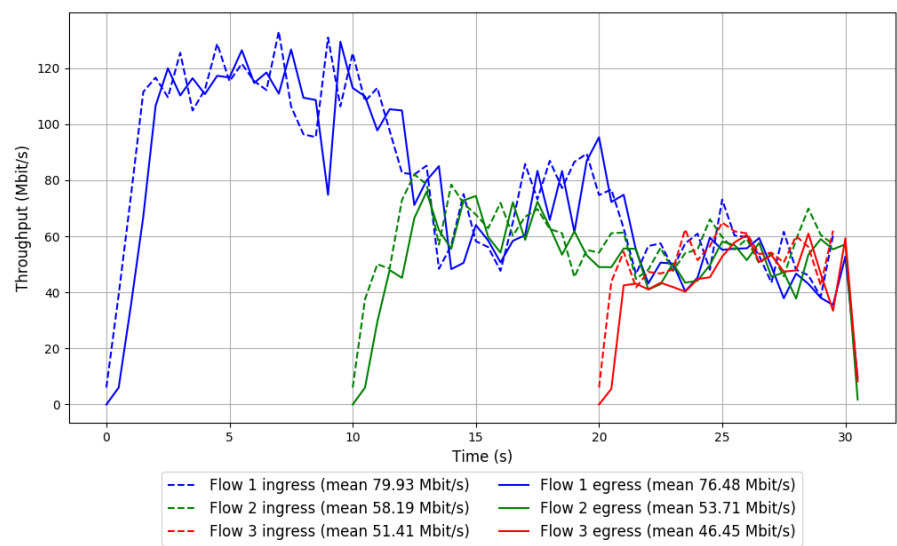


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 04:14:55
End at: 2018-05-22 04:15:26
Local clock offset: 0.18 ms
Remote clock offset: -36.119 ms

Below is generated by plot.py at 2018-05-22 08:28:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.71 Mbit/s
95th percentile per-packet one-way delay: 75.084 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 73.137 ms
Loss rate: 4.30%
-- Flow 2:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 78.262 ms
Loss rate: 7.69%
-- Flow 3:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 76.831 ms
Loss rate: 9.63%

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

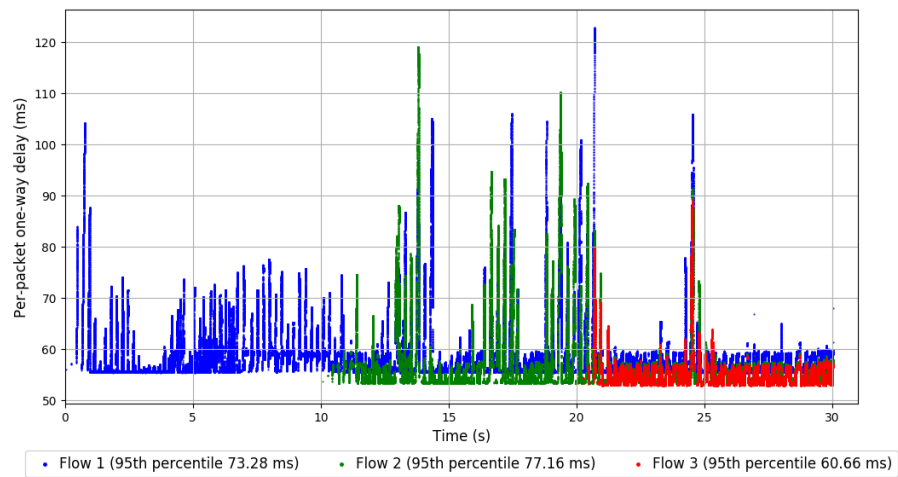
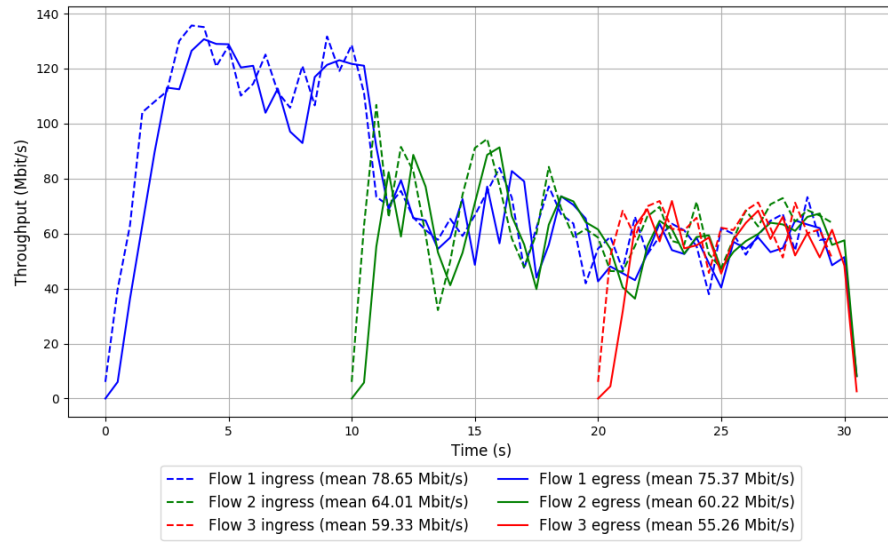


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 04:48:58
End at: 2018-05-22 04:49:28
Local clock offset: -0.856 ms
Remote clock offset: -41.858 ms

Below is generated by plot.py at 2018-05-22 08:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 73.493 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 73.283 ms
Loss rate: 4.14%
-- Flow 2:
Average throughput: 60.22 Mbit/s
95th percentile per-packet one-way delay: 77.161 ms
Loss rate: 5.90%
-- Flow 3:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 60.661 ms
Loss rate: 6.82%

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

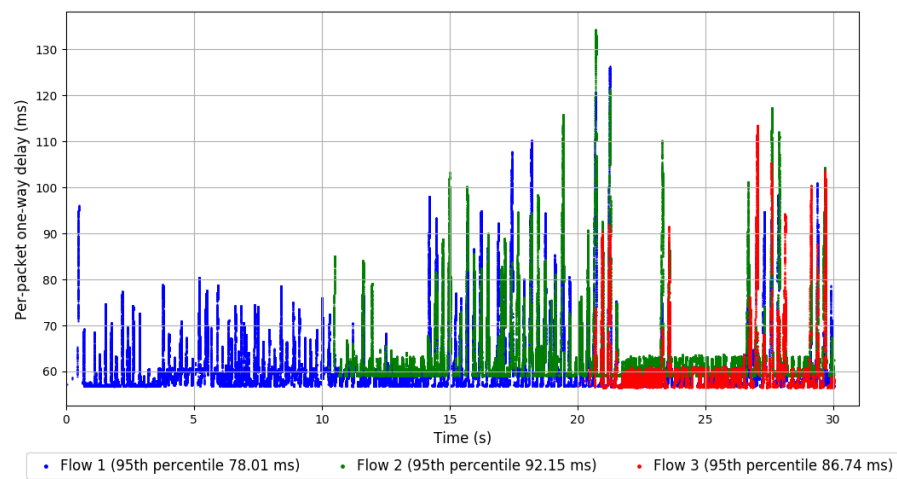
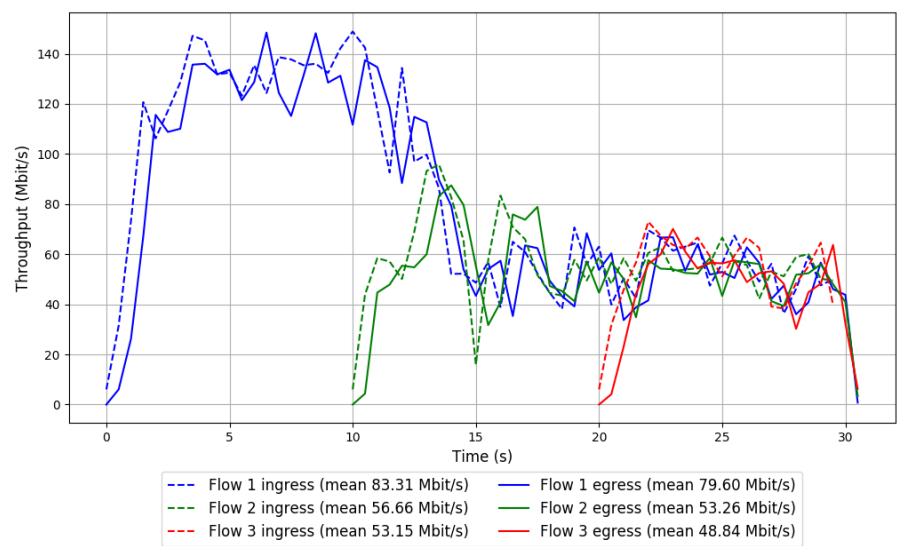


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 05:11:44
End at: 2018-05-22 05:12:14
Local clock offset: -0.039 ms
Remote clock offset: -36.09 ms

Below is generated by plot.py at 2018-05-22 08:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 83.965 ms
Loss rate: 5.35%
-- Flow 1:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 78.007 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 92.147 ms
Loss rate: 6.01%
-- Flow 3:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 86.744 ms
Loss rate: 8.10%

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

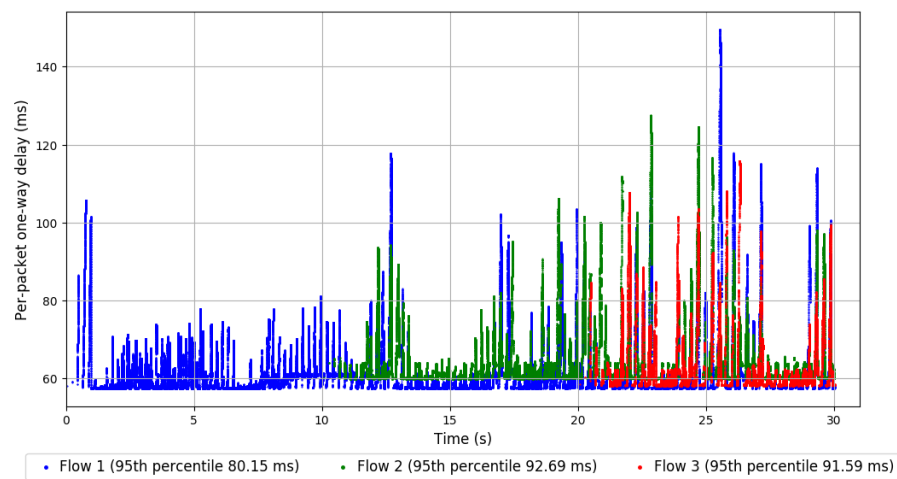
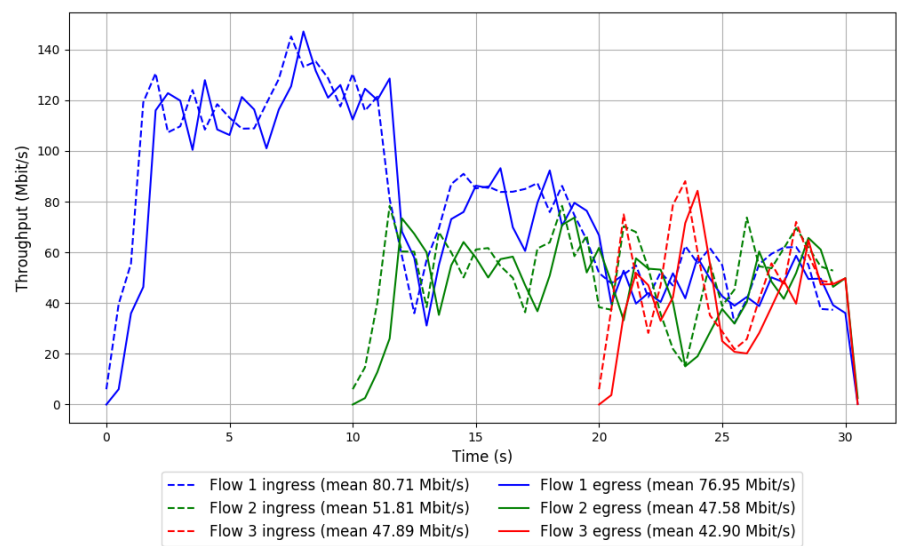


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 05:44:01
End at: 2018-05-22 05:44:31
Local clock offset: 0.654 ms
Remote clock offset: -35.975 ms

Below is generated by plot.py at 2018-05-22 08:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.87 Mbit/s
95th percentile per-packet one-way delay: 86.918 ms
Loss rate: 6.28%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 80.154 ms
Loss rate: 4.66%
-- Flow 2:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 92.694 ms
Loss rate: 8.15%
-- Flow 3:
Average throughput: 42.90 Mbit/s
95th percentile per-packet one-way delay: 91.587 ms
Loss rate: 10.41%

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

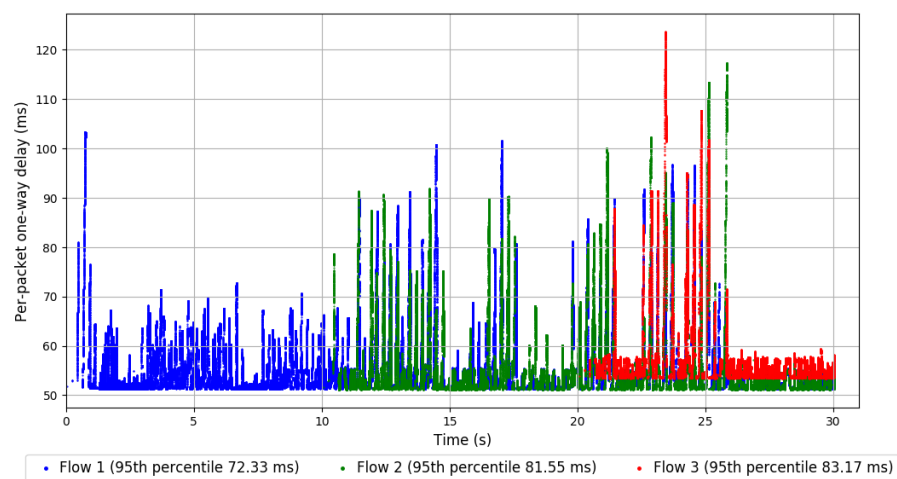
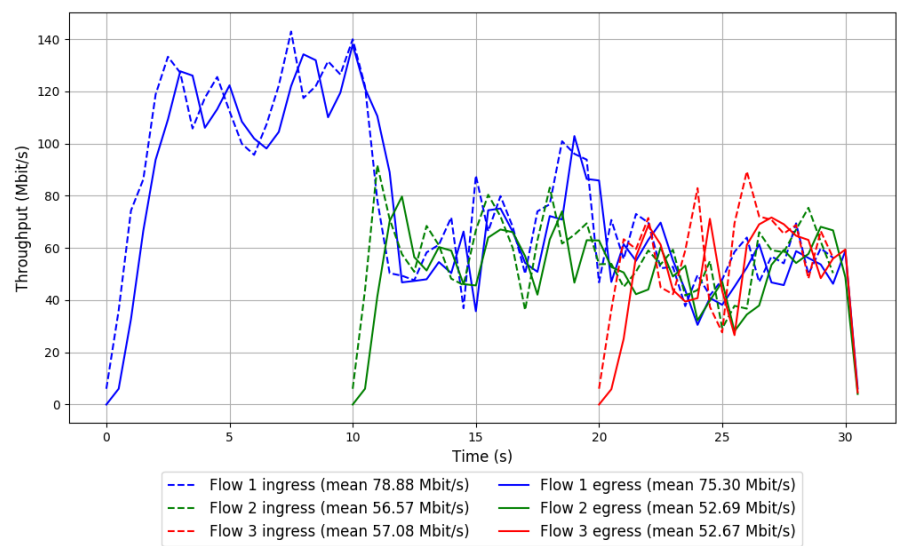


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 06:06:43
End at: 2018-05-22 06:07:13
Local clock offset: -0.074 ms
Remote clock offset: -40.906 ms

Below is generated by plot.py at 2018-05-22 08:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.90 Mbit/s
95th percentile per-packet one-way delay: 77.057 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 72.334 ms
Loss rate: 4.53%
-- Flow 2:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 81.554 ms
Loss rate: 6.84%
-- Flow 3:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 83.167 ms
Loss rate: 7.71%

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

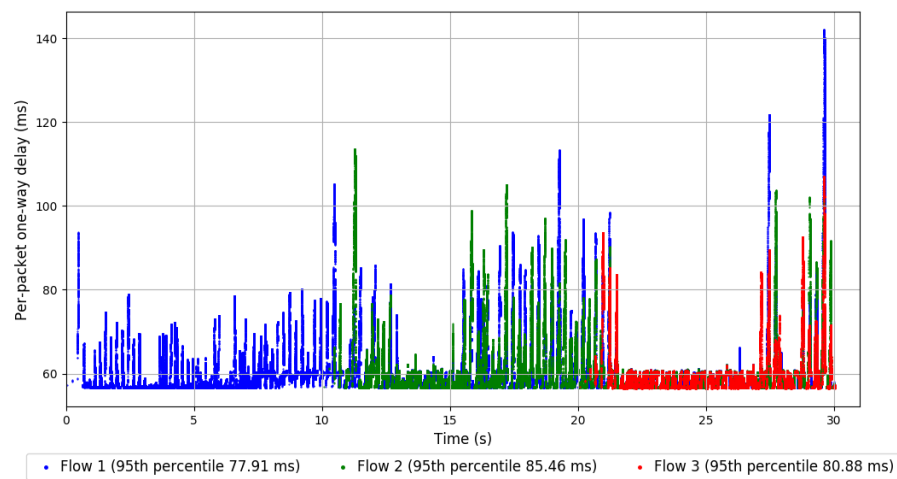
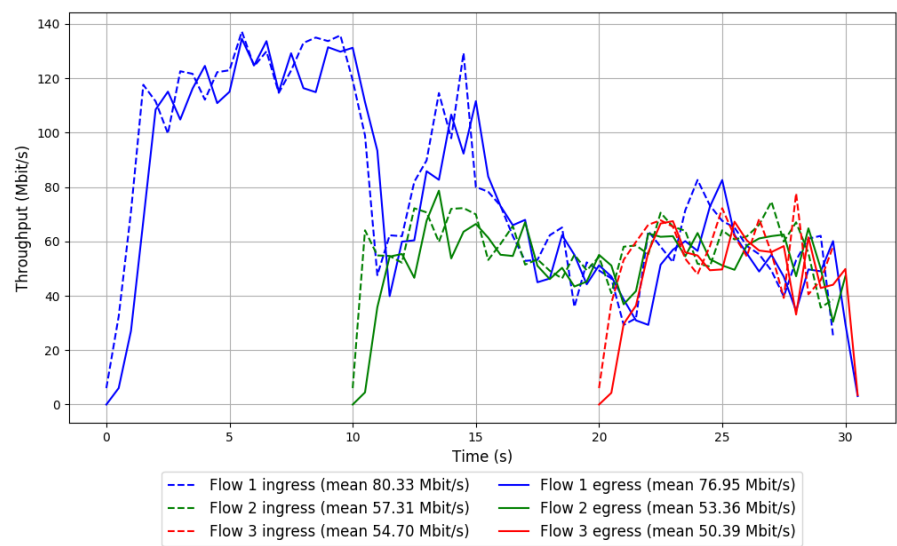


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 06:40:31
End at: 2018-05-22 06:41:01
Local clock offset: -2.456 ms
Remote clock offset: -37.219 ms

Below is generated by plot.py at 2018-05-22 08:29:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.14 Mbit/s
95th percentile per-packet one-way delay: 80.369 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 77.906 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: 85.464 ms
Loss rate: 6.90%
-- Flow 3:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 80.881 ms
Loss rate: 7.87%

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

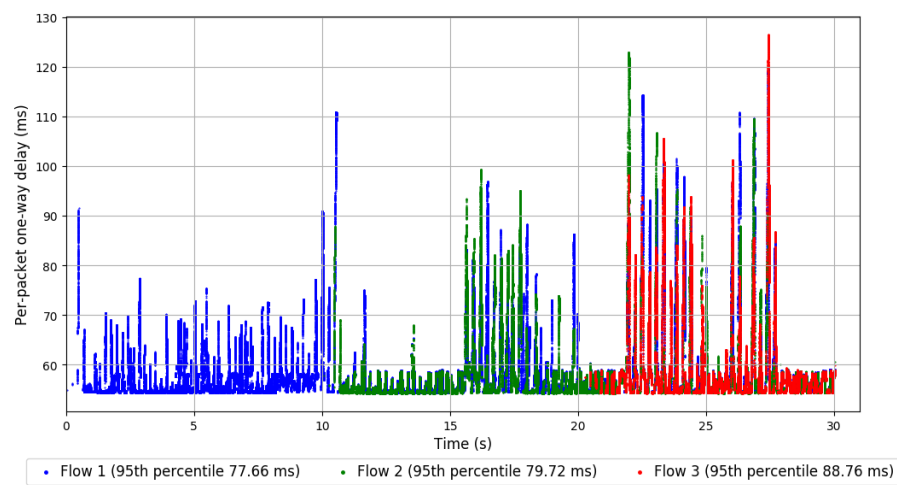
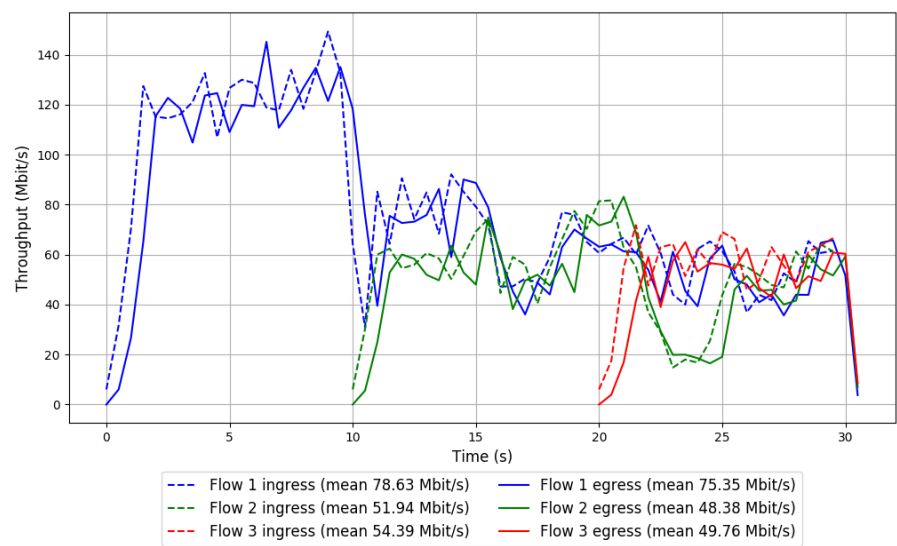


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 07:08:51
End at: 2018-05-22 07:09:21
Local clock offset: -0.156 ms
Remote clock offset: -39.378 ms

Below is generated by plot.py at 2018-05-22 08:31:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.12 Mbit/s
95th percentile per-packet one-way delay: 80.467 ms
Loss rate: 5.46%
-- Flow 1:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 77.664 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 79.722 ms
Loss rate: 6.83%
-- Flow 3:
Average throughput: 49.76 Mbit/s
95th percentile per-packet one-way delay: 88.763 ms
Loss rate: 8.49%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 07:31:43

End at: 2018-05-22 07:32:13

Local clock offset: -0.18 ms

Remote clock offset: -34.602 ms

Below is generated by plot.py at 2018-05-22 08:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.27 Mbit/s

95th percentile per-packet one-way delay: 86.861 ms

Loss rate: 6.46%

-- Flow 1:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 83.768 ms

Loss rate: 5.34%

-- Flow 2:

Average throughput: 53.23 Mbit/s

95th percentile per-packet one-way delay: 90.219 ms

Loss rate: 6.96%

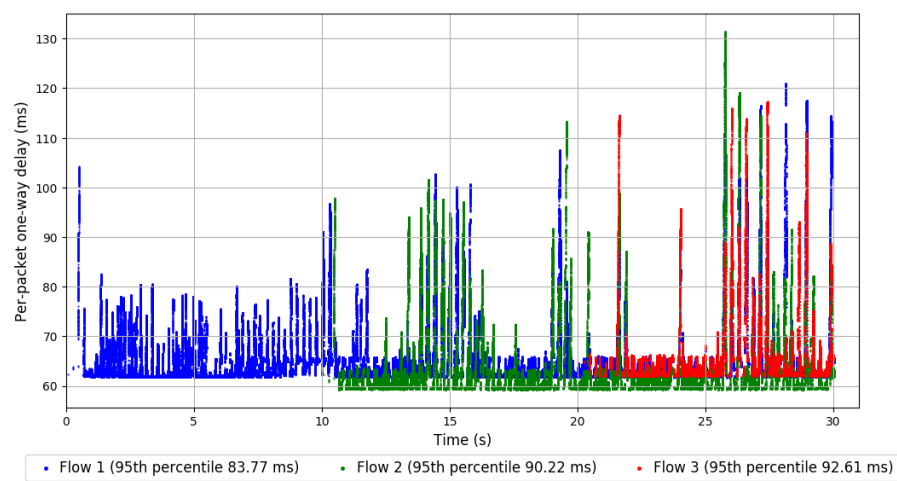
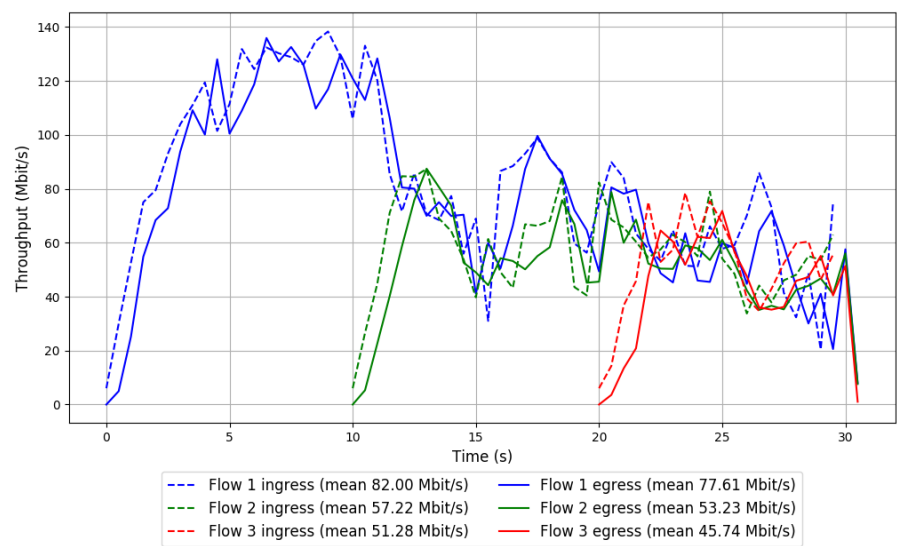
-- Flow 3:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 92.614 ms

Loss rate: 10.76%

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

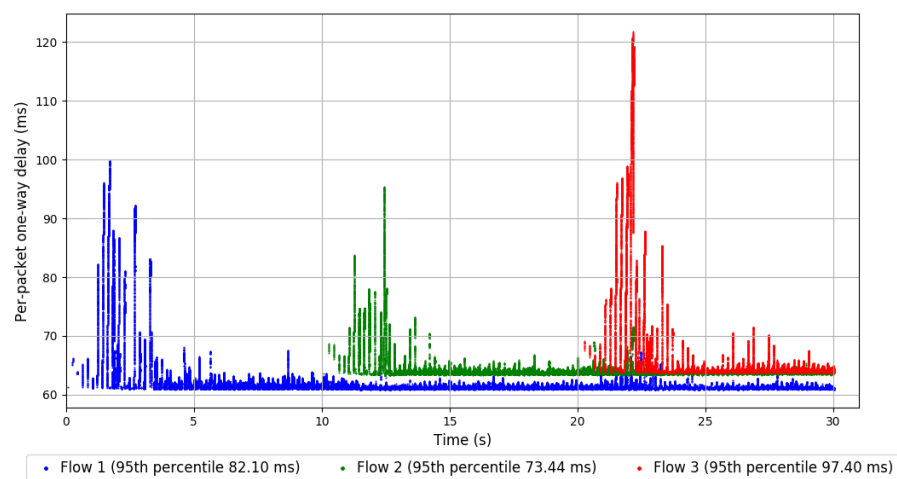
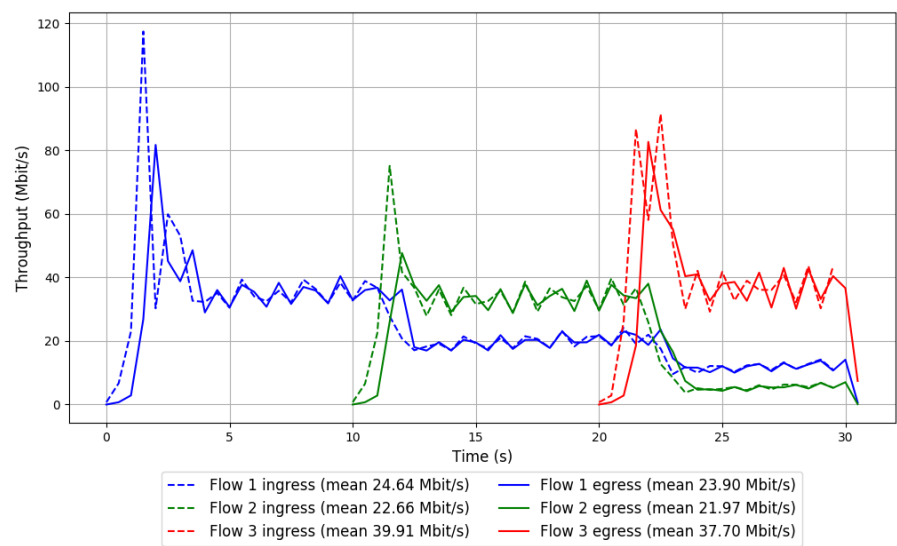


Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 03:29:09
End at: 2018-05-22 03:29:39
Local clock offset: 2.357 ms
Remote clock offset: -32.868 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 84.911 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 82.101 ms
Loss rate: 3.03%
-- Flow 2:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 73.445 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 97.396 ms
Loss rate: 5.54%

Run 1: Report of TCP Vegas — Data Link

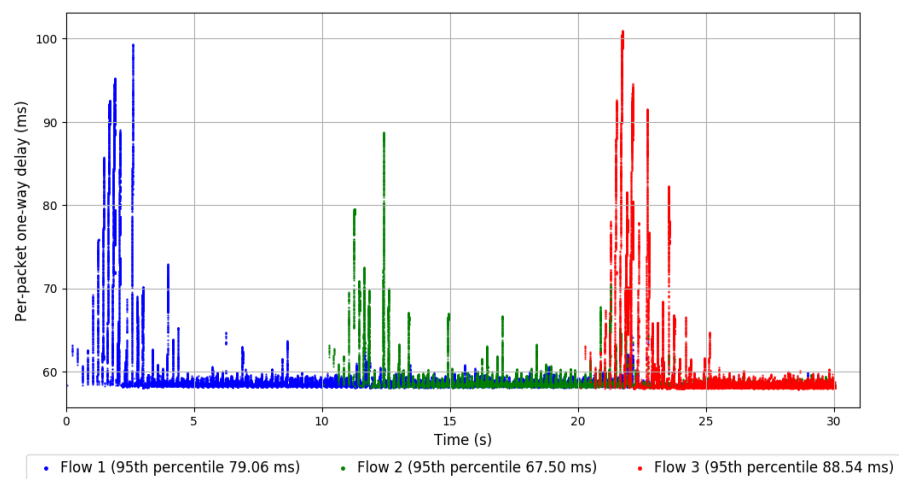
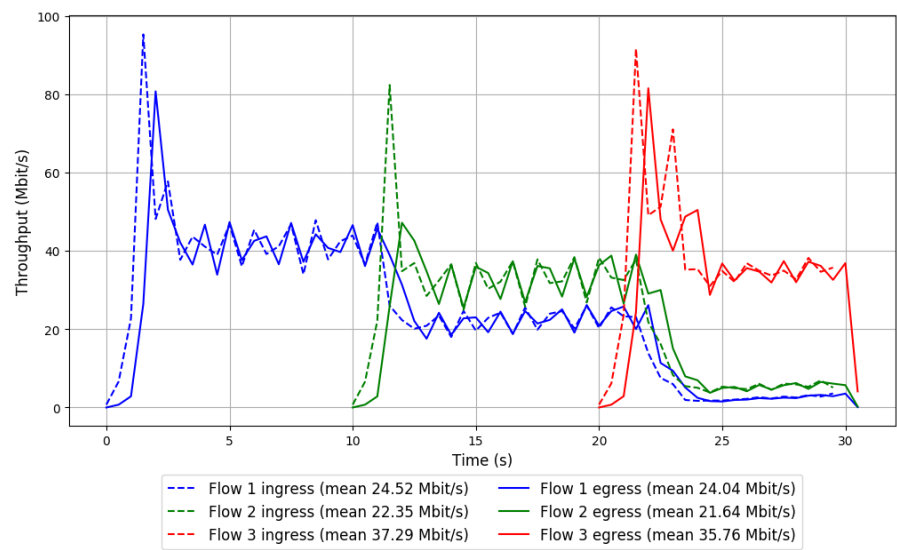


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 03:52:19
End at: 2018-05-22 03:52:49
Local clock offset: -0.152 ms
Remote clock offset: -38.333 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 78.864 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 79.059 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 67.500 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 4.10%

Run 2: Report of TCP Vegas — Data Link

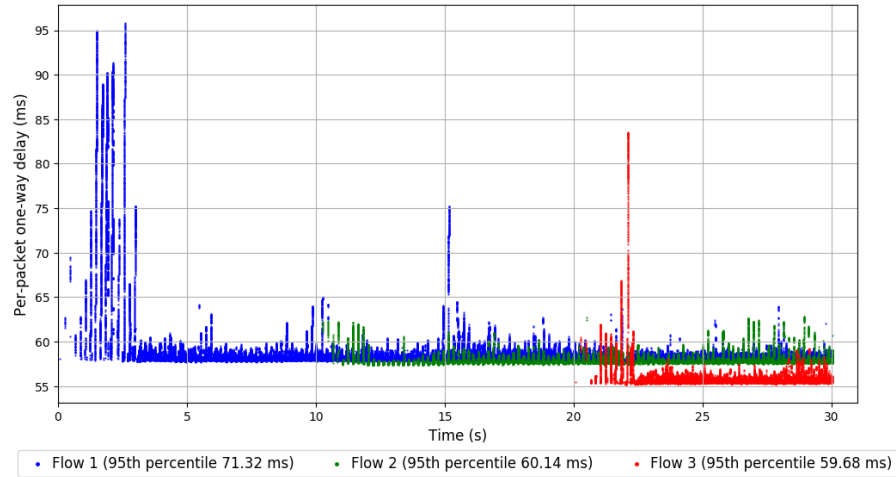
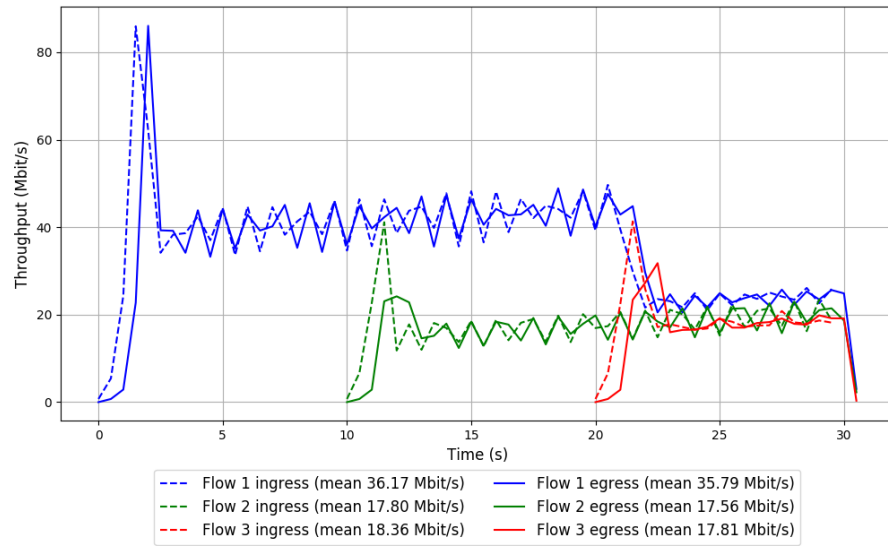


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 04:26:13
End at: 2018-05-22 04:26:43
Local clock offset: -1.71 ms
Remote clock offset: -39.236 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 63.588 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 71.316 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 60.138 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 59.678 ms
Loss rate: 2.98%

Run 3: Report of TCP Vegas — Data Link

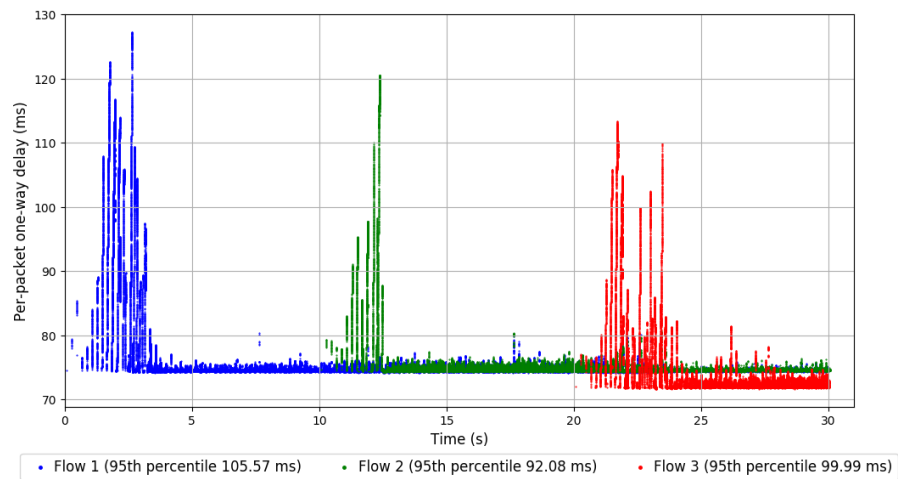
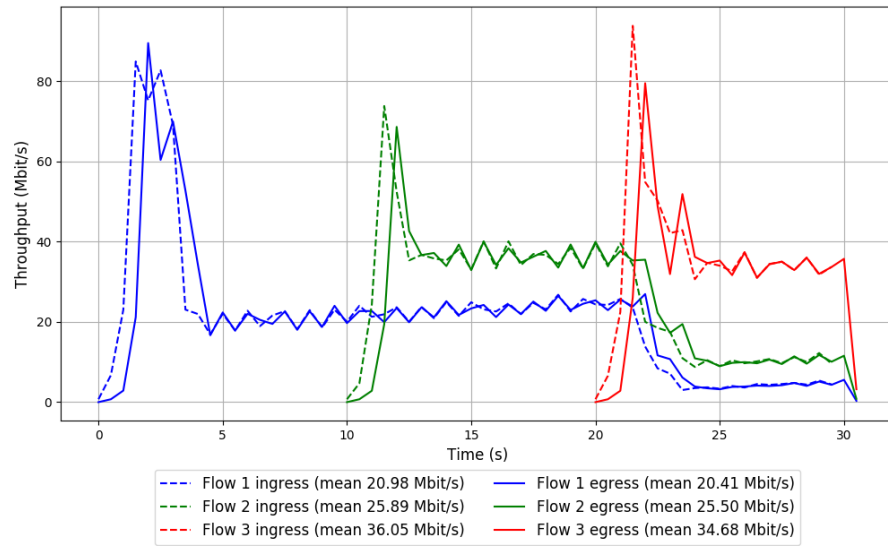


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 04:54:40
End at: 2018-05-22 04:55:10
Local clock offset: -3.218 ms
Remote clock offset: -25.601 ms

```
# Below is generated by plot.py at 2018-05-22 08:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 99.870 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 105.566 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 92.081 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 99.988 ms
Loss rate: 3.78%
```

Run 4: Report of TCP Vegas — Data Link

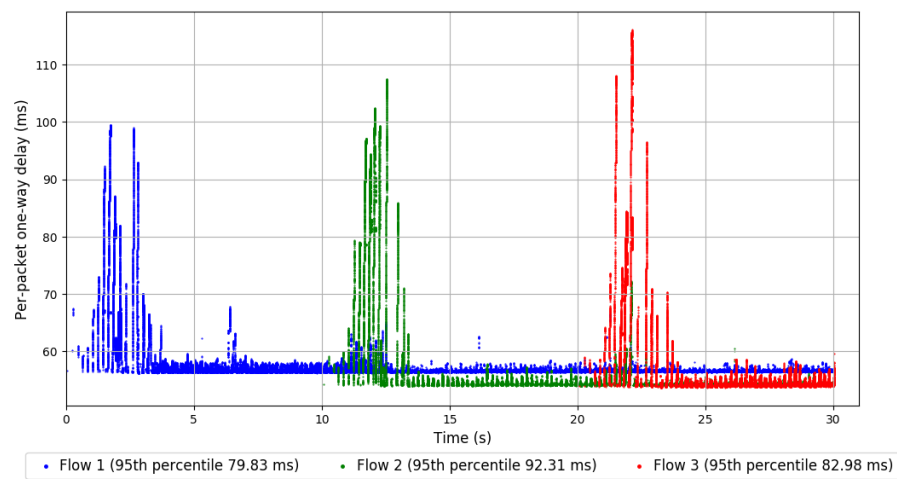
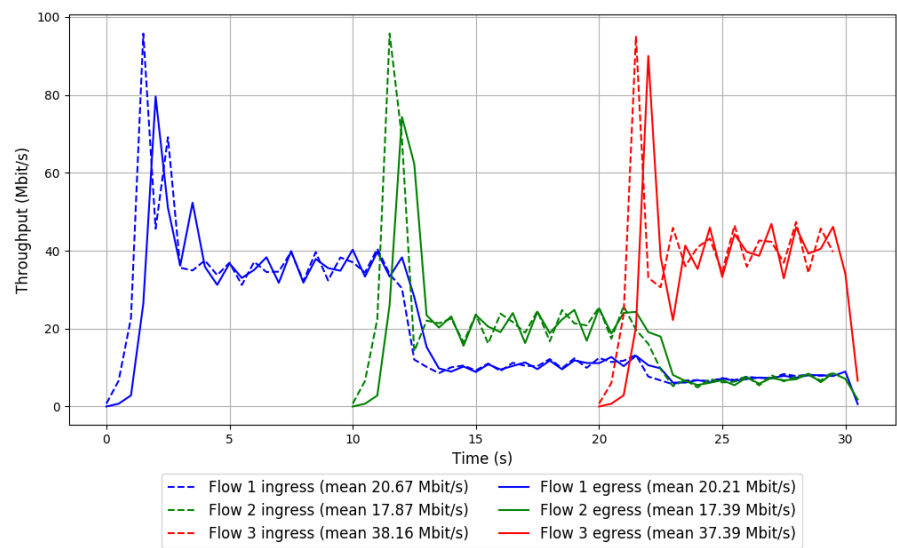


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 05:27:02
End at: 2018-05-22 05:27:32
Local clock offset: 0.236 ms
Remote clock offset: -38.365 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 85.553 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 79.831 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 92.307 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 82.984 ms
Loss rate: 2.01%

Run 5: Report of TCP Vegas — Data Link

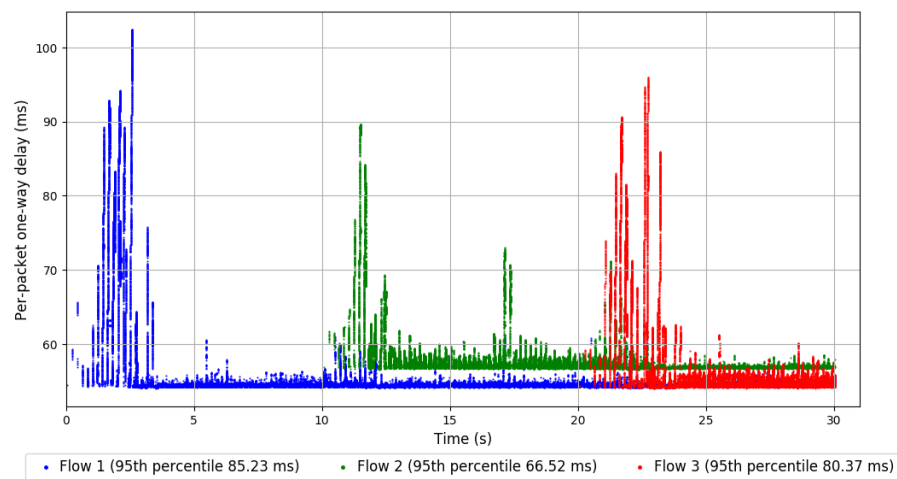
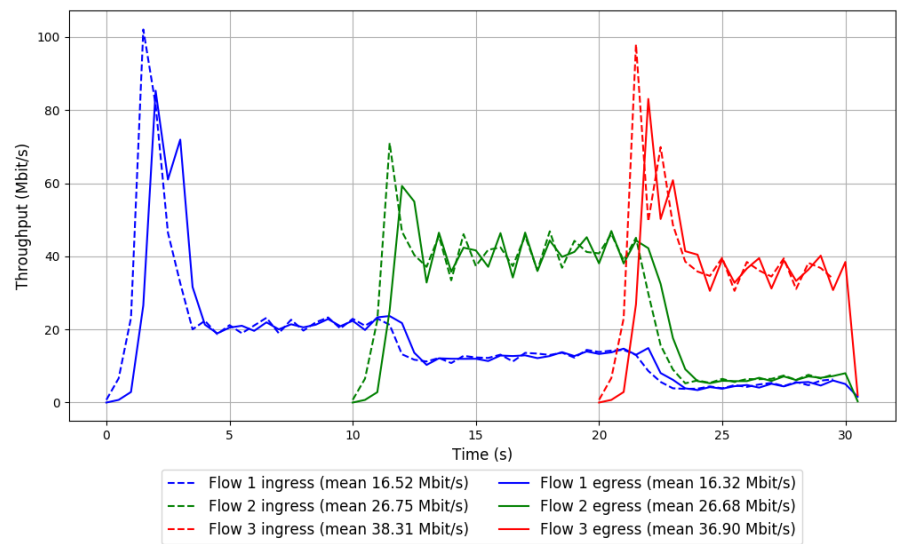


Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 05:49:42
End at: 2018-05-22 05:50:12
Local clock offset: 0.14 ms
Remote clock offset: -39.915 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 79.339 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 85.233 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 66.515 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 80.374 ms
Loss rate: 3.65%

Run 6: Report of TCP Vegas — Data Link

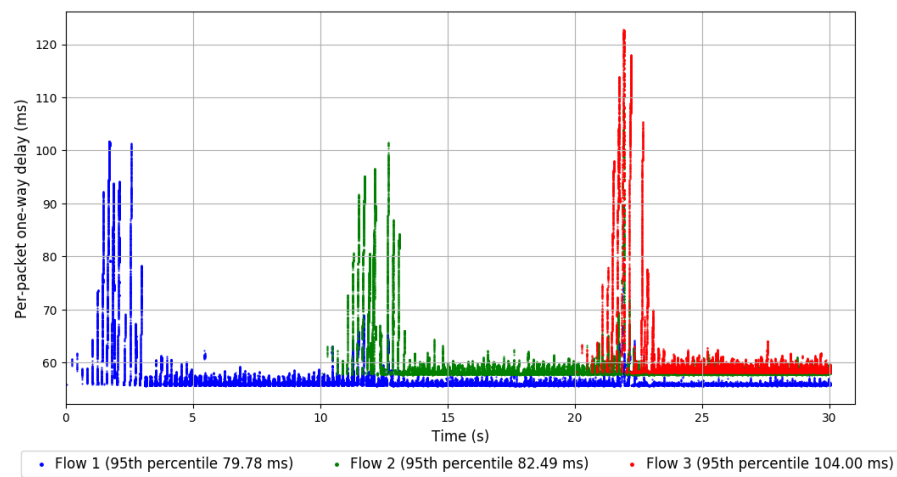
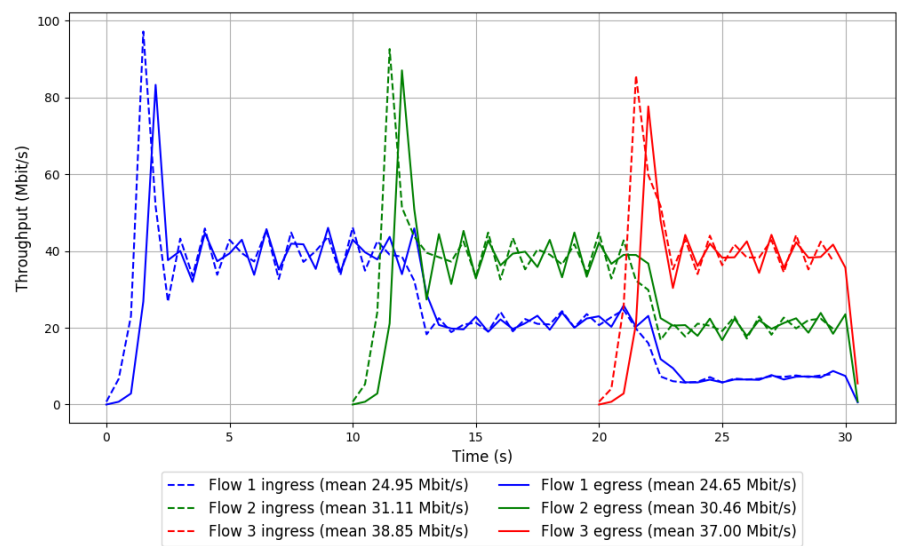


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 06:17:59
End at: 2018-05-22 06:18:29
Local clock offset: 0.561 ms
Remote clock offset: -35.317 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 79.783 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 82.494 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 103.997 ms
Loss rate: 4.79%

Run 7: Report of TCP Vegas — Data Link

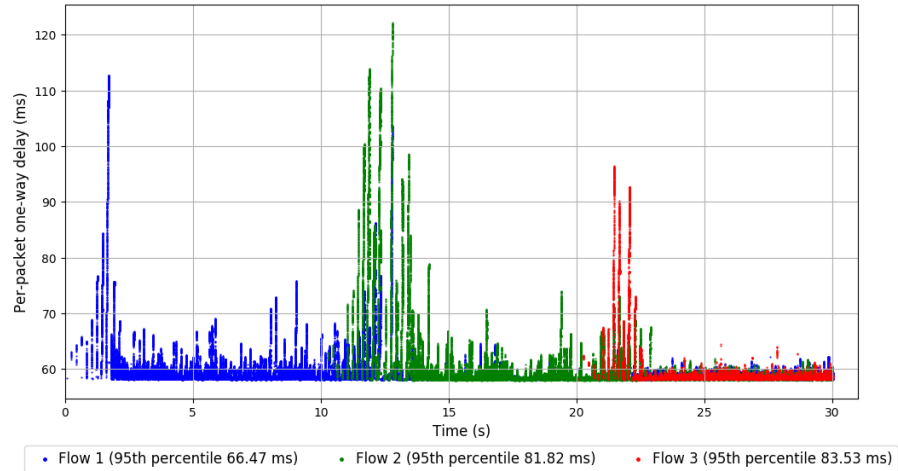
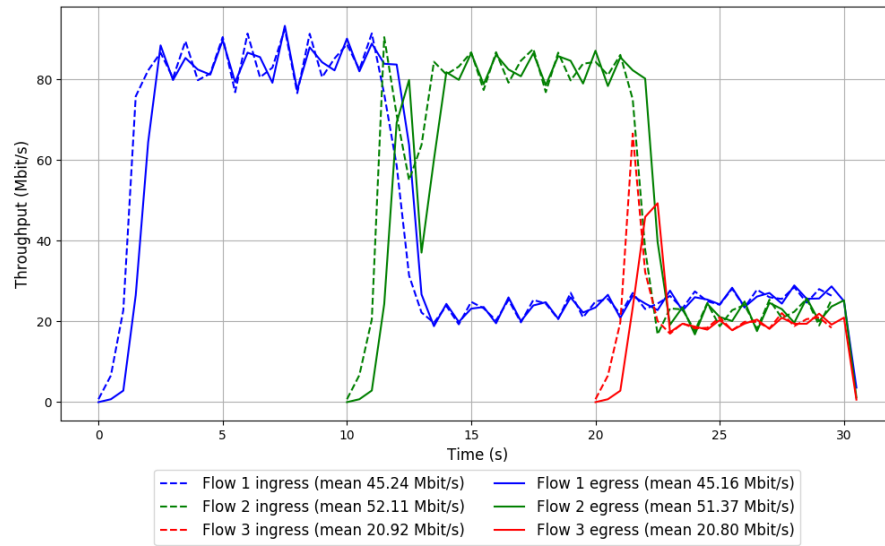


Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 06:51:42
End at: 2018-05-22 06:52:12
Local clock offset: -1.142 ms
Remote clock offset: -34.006 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 73.245 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 45.16 Mbit/s
95th percentile per-packet one-way delay: 66.474 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 81.824 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 83.528 ms
Loss rate: 0.61%

Run 8: Report of TCP Vegas — Data Link

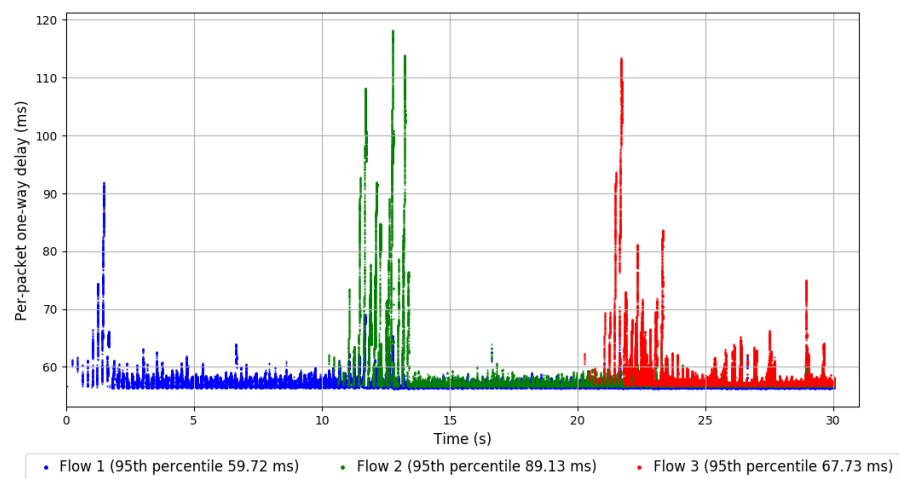
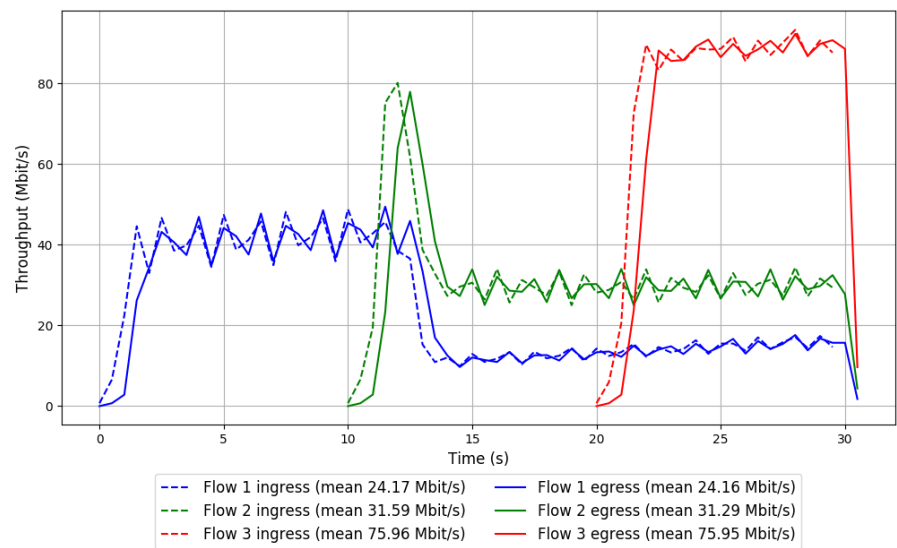


Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 07:14:33
End at: 2018-05-22 07:15:03
Local clock offset: -0.002 ms
Remote clock offset: -37.812 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 69.564 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 59.719 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 89.129 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 67.728 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

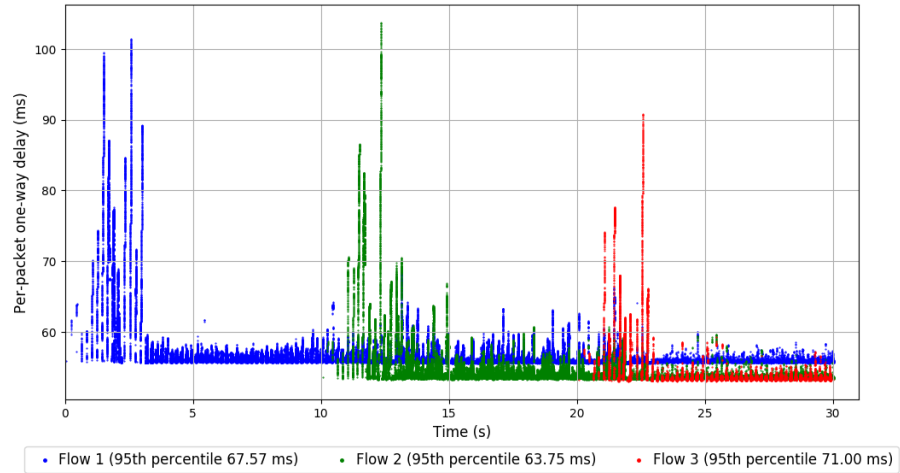
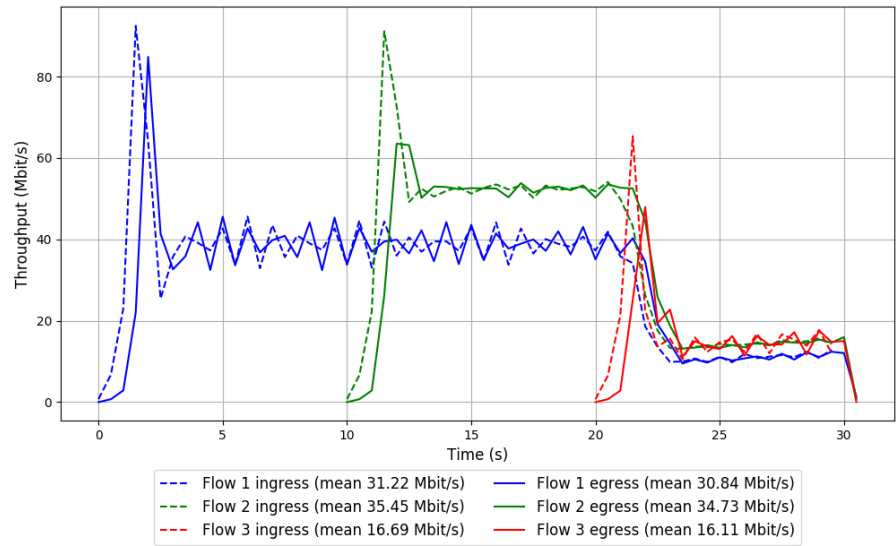


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 07:37:24
End at: 2018-05-22 07:37:54
Local clock offset: 1.834 ms
Remote clock offset: -38.43 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 66.793 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 67.574 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 63.754 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 70.999 ms
Loss rate: 3.45%

Run 10: Report of TCP Vegas — Data Link

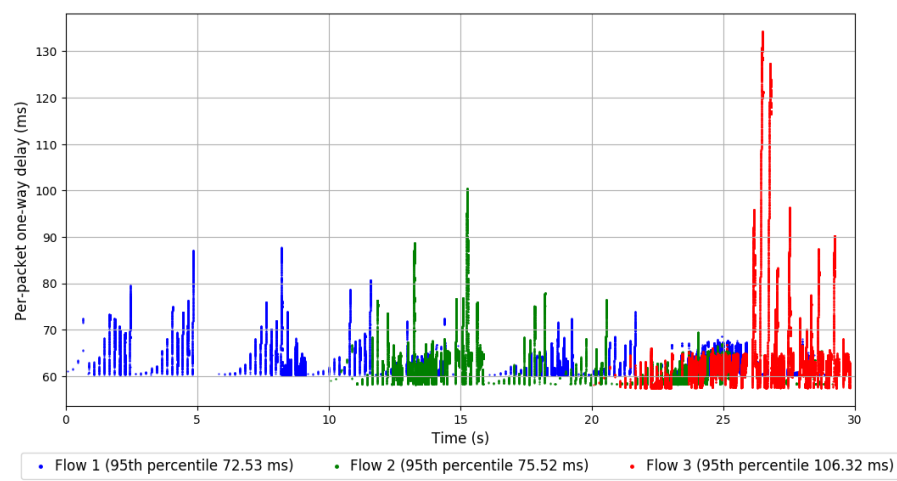
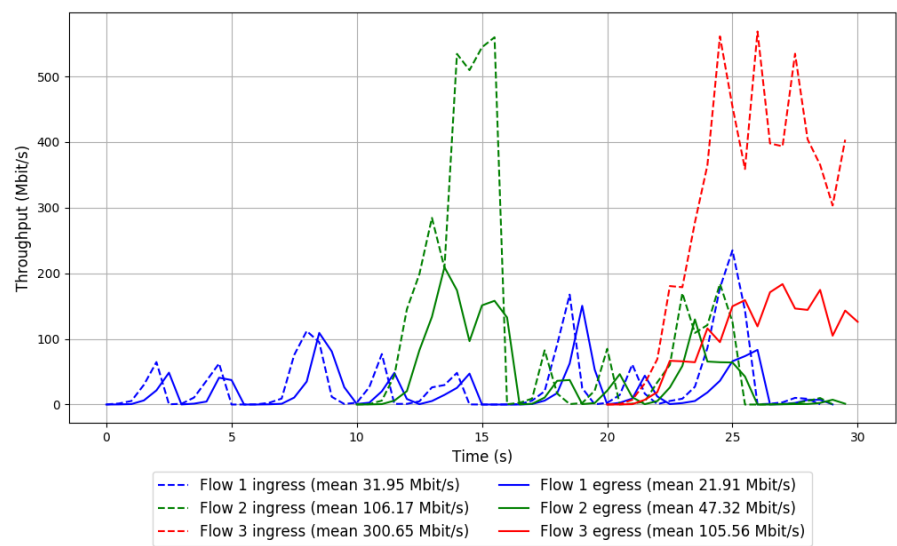


Run 1: Statistics of Verus

Start at: 2018-05-22 03:37:45
End at: 2018-05-22 03:38:15
Local clock offset: 1.564 ms
Remote clock offset: -36.964 ms

Below is generated by plot.py at 2018-05-22 08:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.01 Mbit/s
95th percentile per-packet one-way delay: 84.334 ms
Loss rate: 56.58%
-- Flow 1:
Average throughput: 21.91 Mbit/s
95th percentile per-packet one-way delay: 72.529 ms
Loss rate: 31.89%
-- Flow 2:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 75.520 ms
Loss rate: 55.88%
-- Flow 3:
Average throughput: 105.56 Mbit/s
95th percentile per-packet one-way delay: 106.317 ms
Loss rate: 64.87%

Run 1: Report of Verus — Data Link

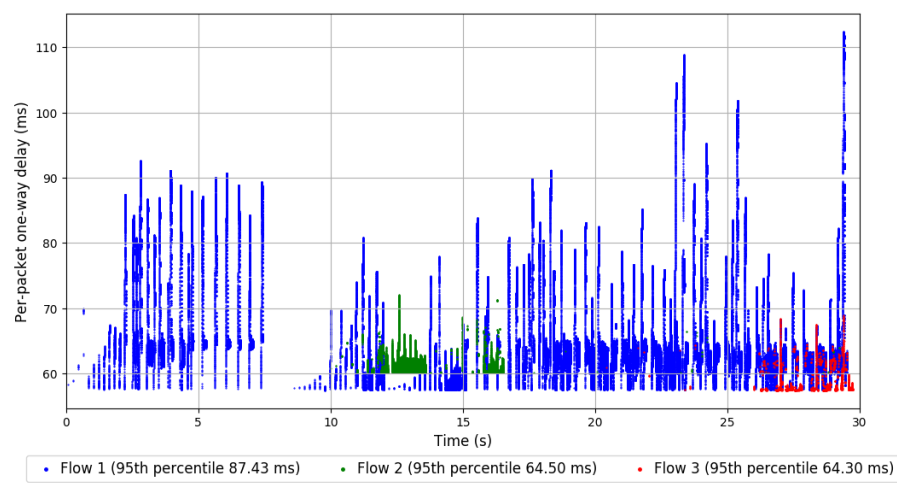
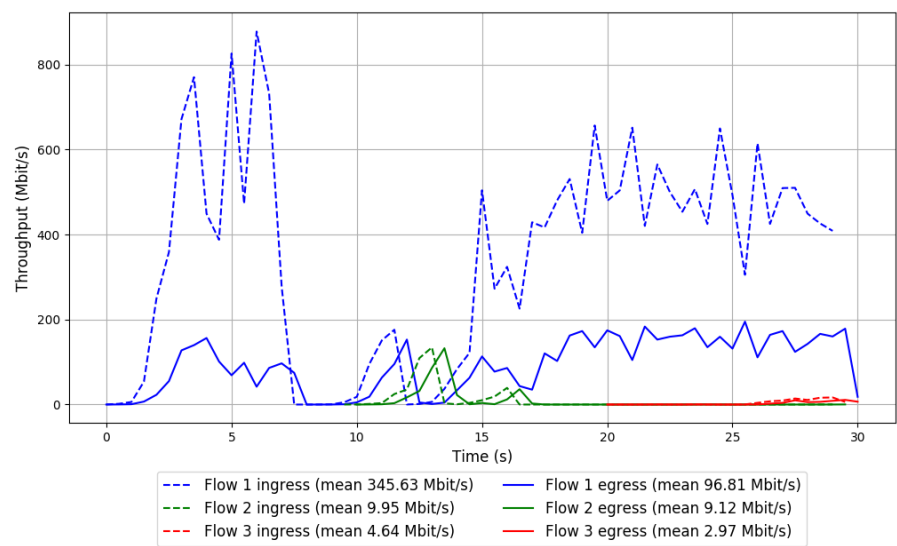


Run 2: Statistics of Verus

Start at: 2018-05-22 04:06:01
End at: 2018-05-22 04:06:31
Local clock offset: 1.096 ms
Remote clock offset: -35.393 ms

Below is generated by plot.py at 2018-05-22 08:31:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.96 Mbit/s
95th percentile per-packet one-way delay: 86.971 ms
Loss rate: 70.68%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 87.427 ms
Loss rate: 71.99%
-- Flow 2:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 64.495 ms
Loss rate: 9.28%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 64.299 ms
Loss rate: 36.07%

Run 2: Report of Verus — Data Link

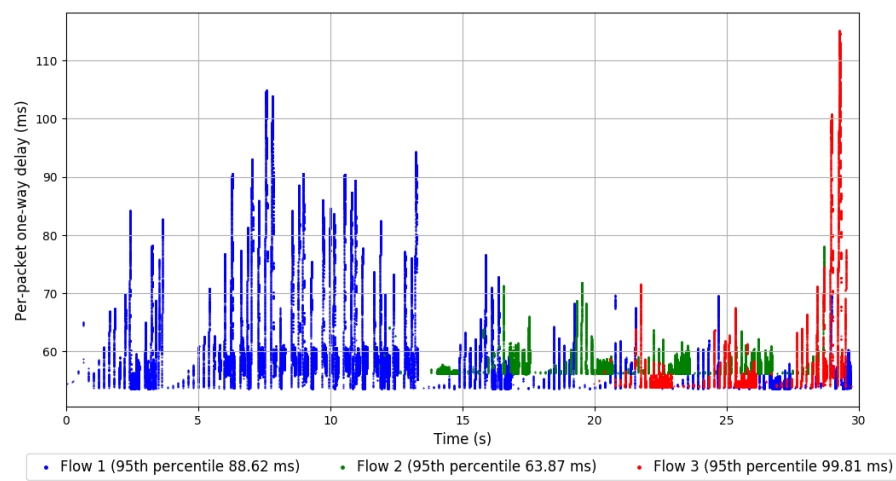
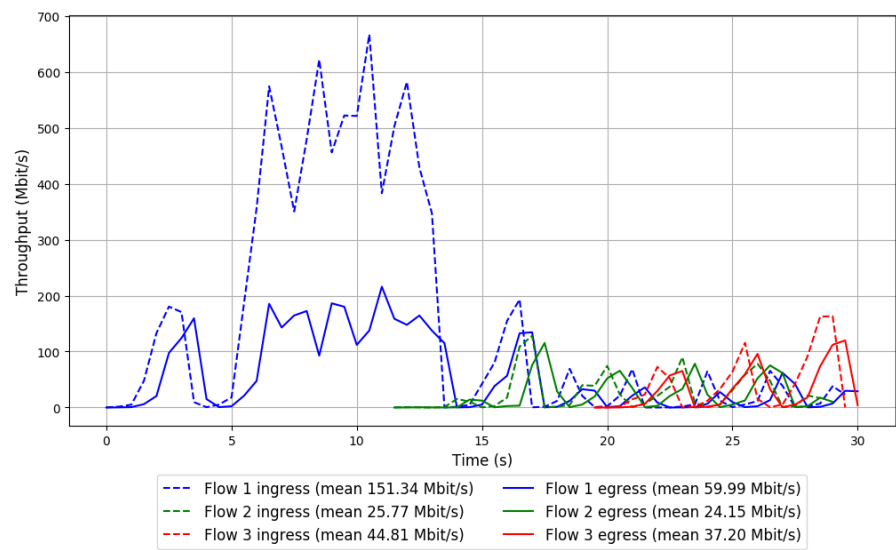


Run 3: Statistics of Verus

Start at: 2018-05-22 04:34:27
End at: 2018-05-22 04:34:57
Local clock offset: 0.205 ms
Remote clock offset: -39.763 ms

Below is generated by plot.py at 2018-05-22 08:31:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 88.602 ms
Loss rate: 52.42%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 88.625 ms
Loss rate: 60.35%
-- Flow 2:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 63.871 ms
Loss rate: 7.36%
-- Flow 3:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 99.809 ms
Loss rate: 16.99%

Run 3: Report of Verus — Data Link

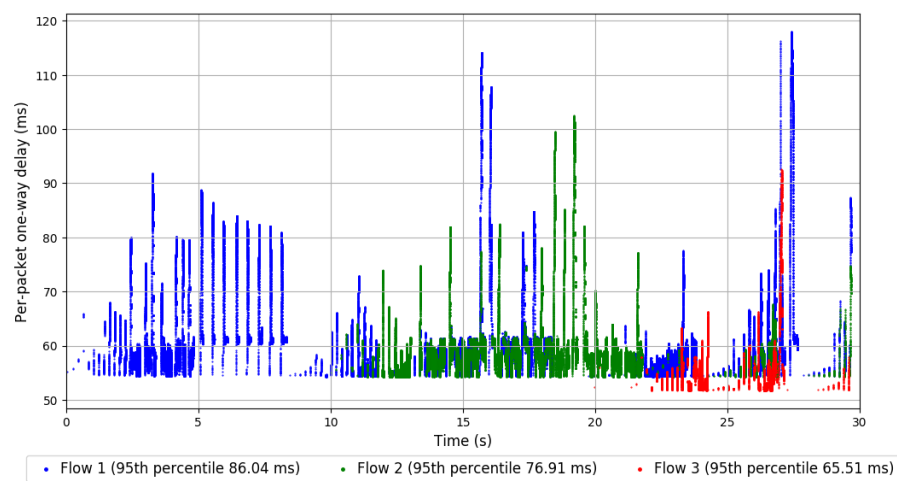
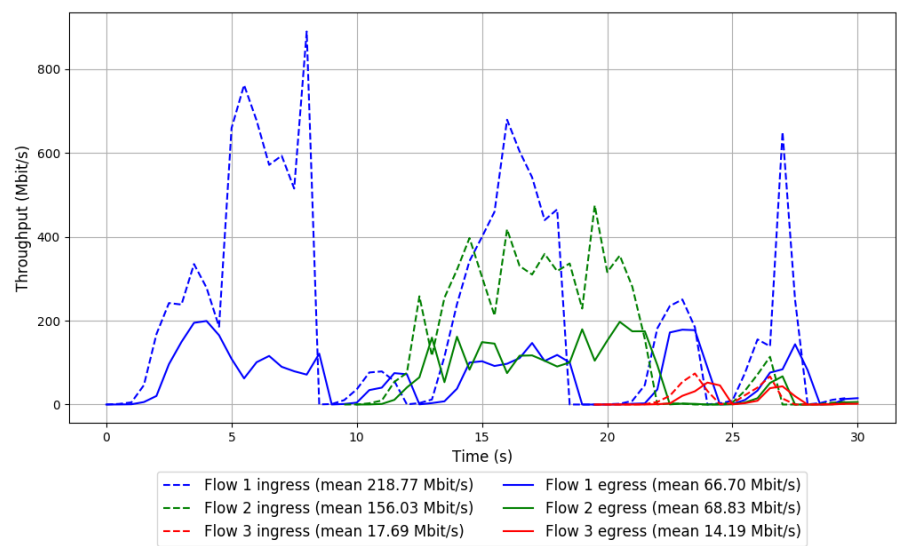


Run 4: Statistics of Verus

Start at: 2018-05-22 05:02:52
End at: 2018-05-22 05:03:22
Local clock offset: -1.533 ms
Remote clock offset: -43.089 ms

Below is generated by plot.py at 2018-05-22 08:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 117.00 Mbit/s
95th percentile per-packet one-way delay: 82.522 ms
Loss rate: 64.31%
-- Flow 1:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 86.038 ms
Loss rate: 69.49%
-- Flow 2:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 76.909 ms
Loss rate: 55.85%
-- Flow 3:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 65.511 ms
Loss rate: 19.74%

Run 4: Report of Verus — Data Link

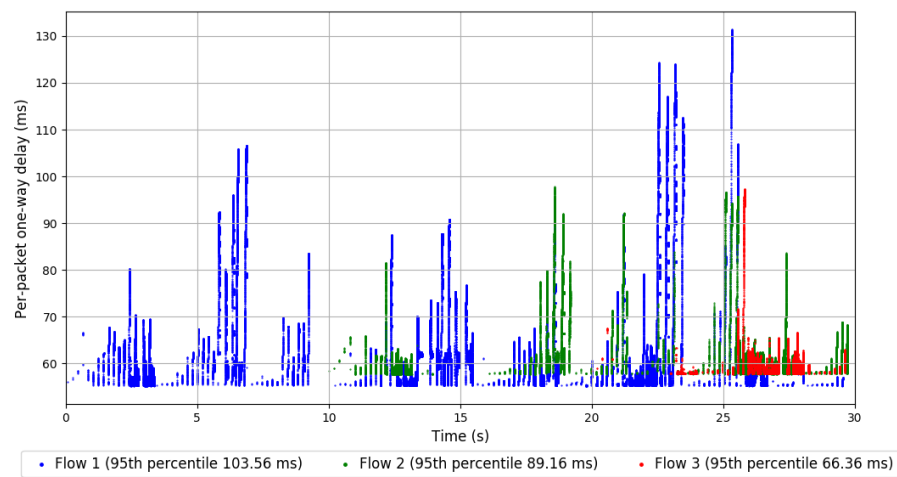
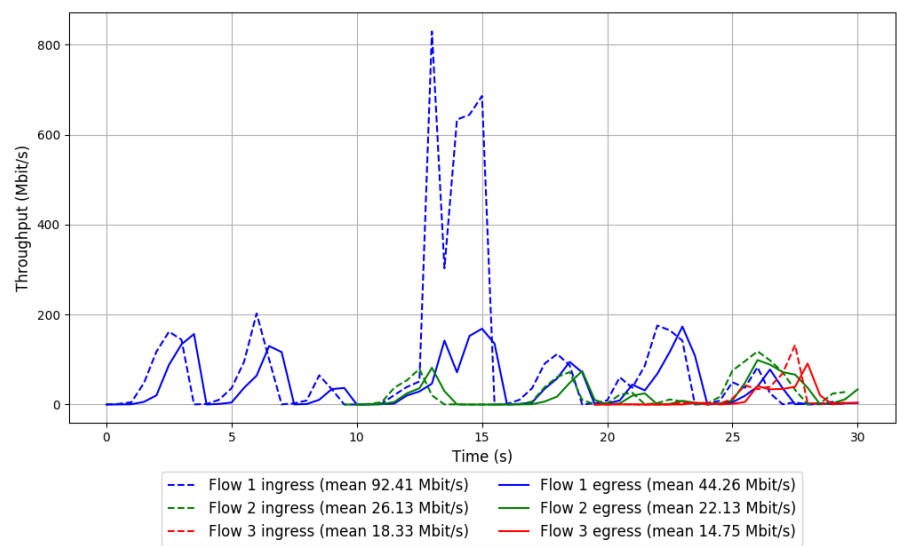


Run 5: Statistics of Verus

Start at: 2018-05-22 05:35:13
End at: 2018-05-22 05:35:43
Local clock offset: 1.459 ms
Remote clock offset: -36.992 ms

Below is generated by plot.py at 2018-05-22 08:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 96.041 ms
Loss rate: 44.90%
-- Flow 1:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 103.556 ms
Loss rate: 52.10%
-- Flow 2:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 89.162 ms
Loss rate: 15.27%
-- Flow 3:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 66.356 ms
Loss rate: 19.49%

Run 5: Report of Verus — Data Link

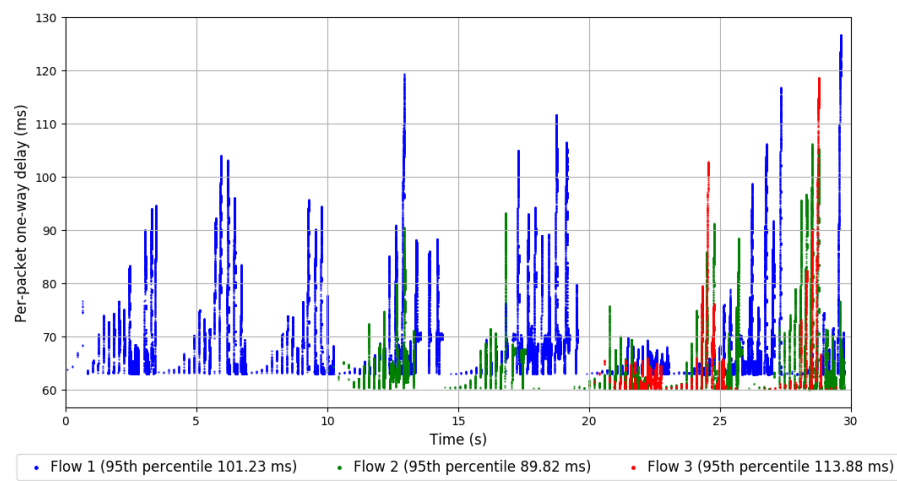
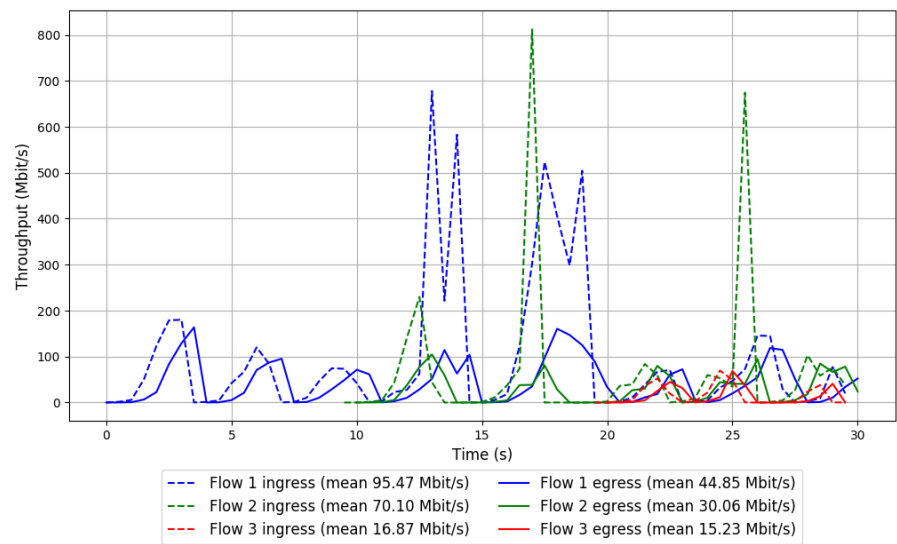


Run 6: Statistics of Verus

Start at: 2018-05-22 05:57:54
End at: 2018-05-22 05:58:24
Local clock offset: 2.96 ms
Remote clock offset: -30.422 ms

Below is generated by plot.py at 2018-05-22 08:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 98.095 ms
Loss rate: 52.78%
-- Flow 1:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 101.233 ms
Loss rate: 53.02%
-- Flow 2:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 89.822 ms
Loss rate: 57.13%
-- Flow 3:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 113.877 ms
Loss rate: 11.50%

Run 6: Report of Verus — Data Link

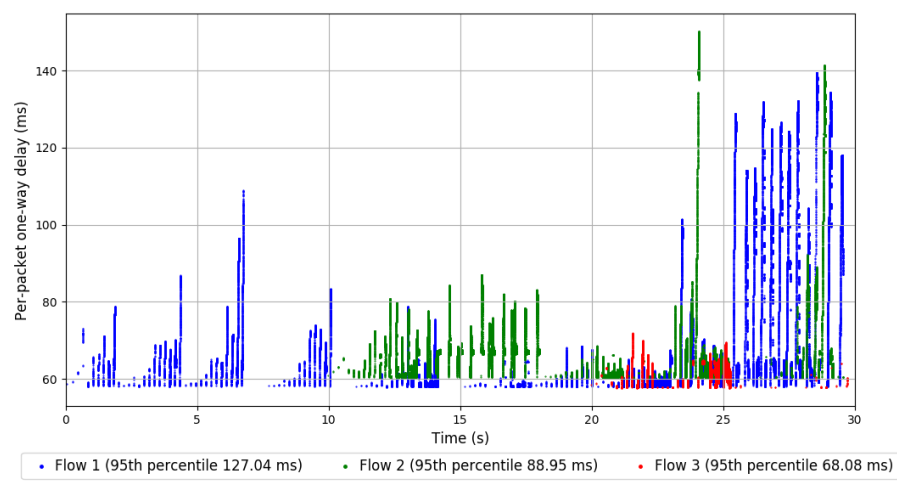
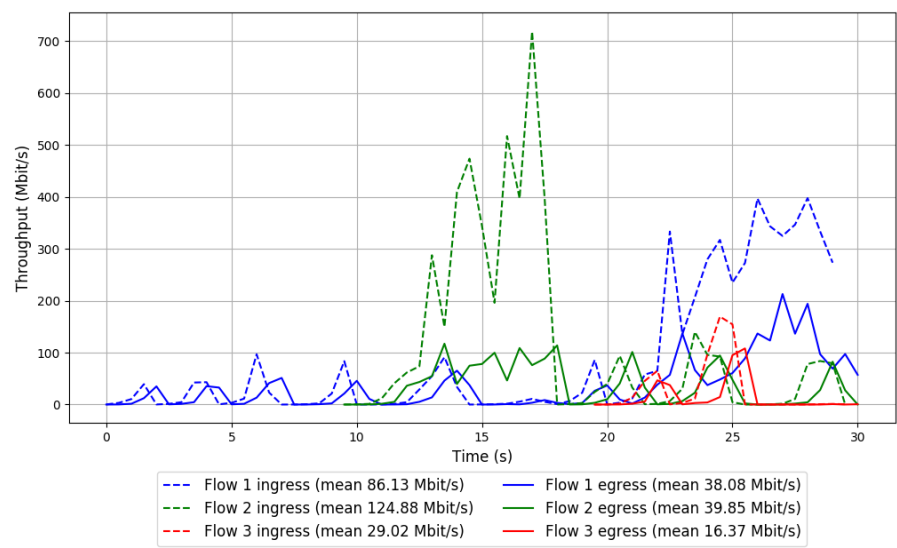


Run 7: Statistics of Verus

Start at: 2018-05-22 06:31:44
End at: 2018-05-22 06:32:14
Local clock offset: -2.926 ms
Remote clock offset: -36.299 ms

Below is generated by plot.py at 2018-05-22 08:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 125.008 ms
Loss rate: 60.84%
-- Flow 1:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 127.039 ms
Loss rate: 55.75%
-- Flow 2:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 88.947 ms
Loss rate: 68.09%
-- Flow 3:
Average throughput: 16.37 Mbit/s
95th percentile per-packet one-way delay: 68.077 ms
Loss rate: 43.57%

Run 7: Report of Verus — Data Link

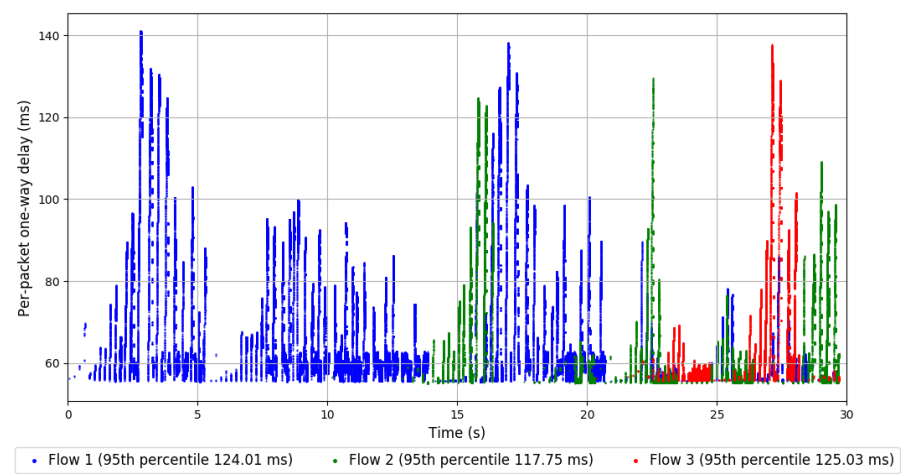
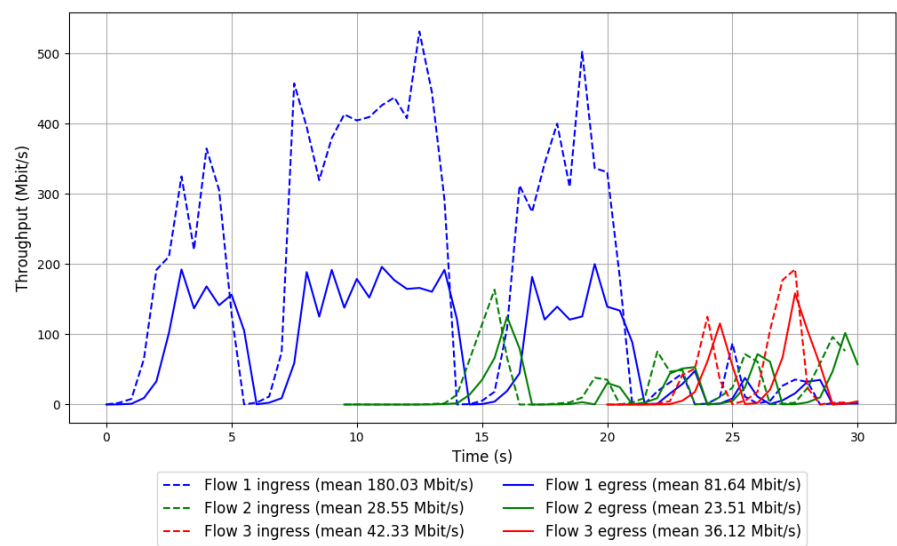


Run 8: Statistics of Verus

Start at: 2018-05-22 07:00:00
End at: 2018-05-22 07:00:30
Local clock offset: -0.082 ms
Remote clock offset: -37.057 ms

Below is generated by plot.py at 2018-05-22 08:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.50 Mbit/s
95th percentile per-packet one-way delay: 122.960 ms
Loss rate: 48.83%
-- Flow 1:
Average throughput: 81.64 Mbit/s
95th percentile per-packet one-way delay: 124.006 ms
Loss rate: 54.66%
-- Flow 2:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 117.746 ms
Loss rate: 17.62%
-- Flow 3:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 125.035 ms
Loss rate: 14.66%

Run 8: Report of Verus — Data Link

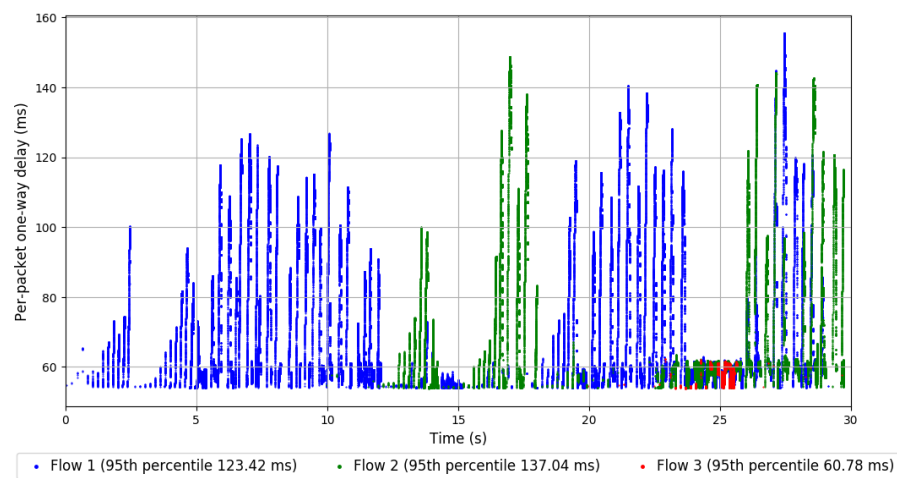
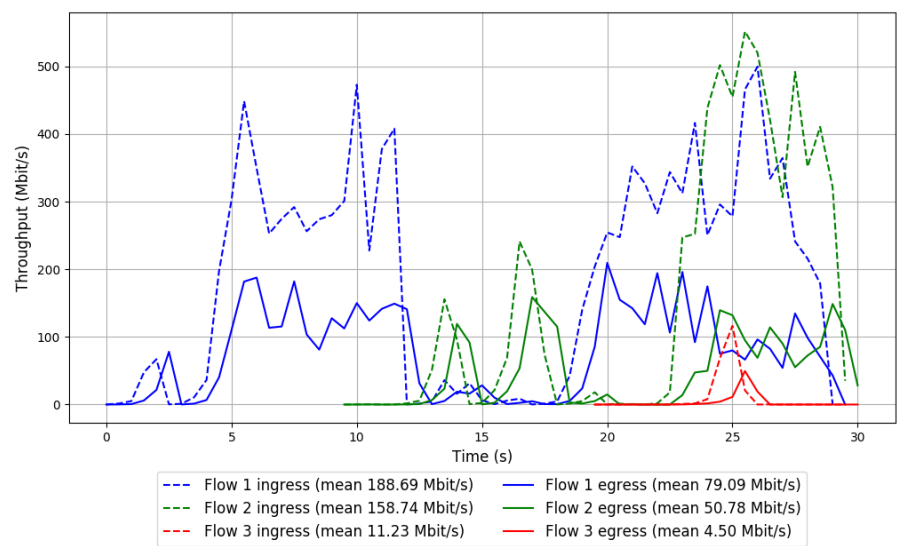


Run 9: Statistics of Verus

Start at: 2018-05-22 07:22:44
End at: 2018-05-22 07:23:14
Local clock offset: -4.693 ms
Remote clock offset: -45.302 ms

Below is generated by plot.py at 2018-05-22 08:32:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.78 Mbit/s
95th percentile per-packet one-way delay: 130.234 ms
Loss rate: 61.82%
-- Flow 1:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 123.421 ms
Loss rate: 58.36%
-- Flow 2:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 137.036 ms
Loss rate: 68.00%
-- Flow 3:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 60.780 ms
Loss rate: 59.87%

Run 9: Report of Verus — Data Link

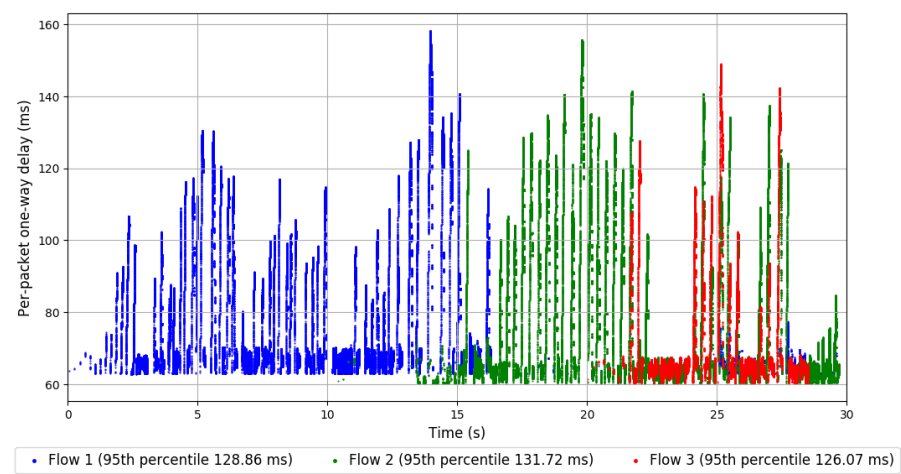
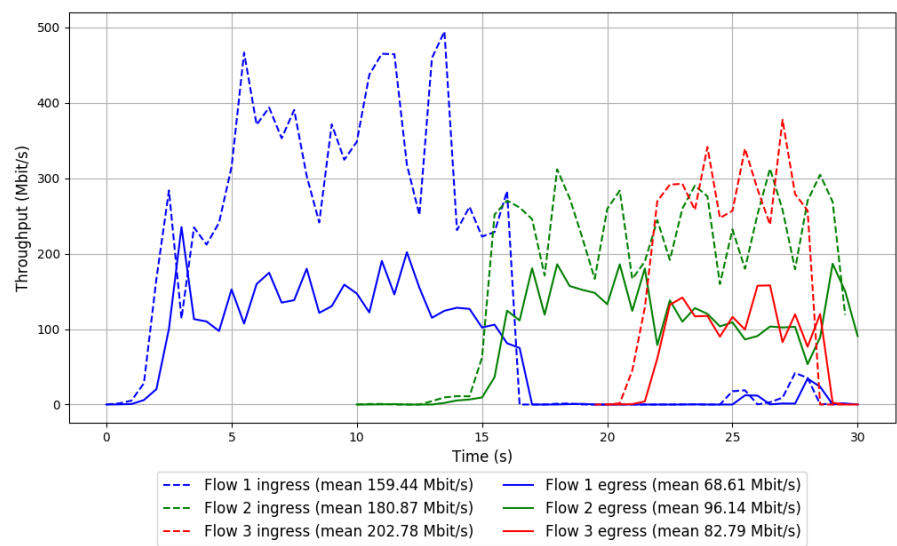


Run 10: Statistics of Verus

Start at: 2018-05-22 07:45:38
End at: 2018-05-22 07:46:08
Local clock offset: 0.656 ms
Remote clock offset: -32.283 ms

Below is generated by plot.py at 2018-05-22 08:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.88 Mbit/s
95th percentile per-packet one-way delay: 130.092 ms
Loss rate: 53.91%
-- Flow 1:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 128.862 ms
Loss rate: 56.96%
-- Flow 2:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 131.722 ms
Loss rate: 46.84%
-- Flow 3:
Average throughput: 82.79 Mbit/s
95th percentile per-packet one-way delay: 126.066 ms
Loss rate: 59.16%

Run 10: Report of Verus — Data Link

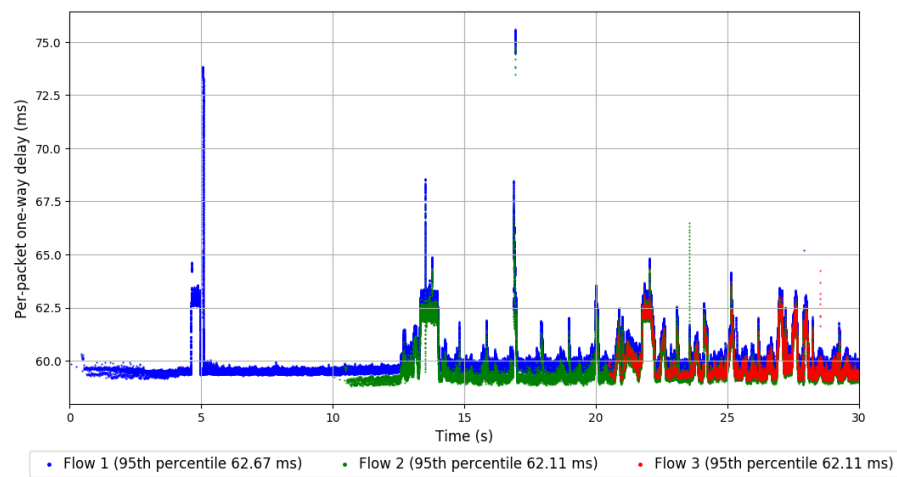
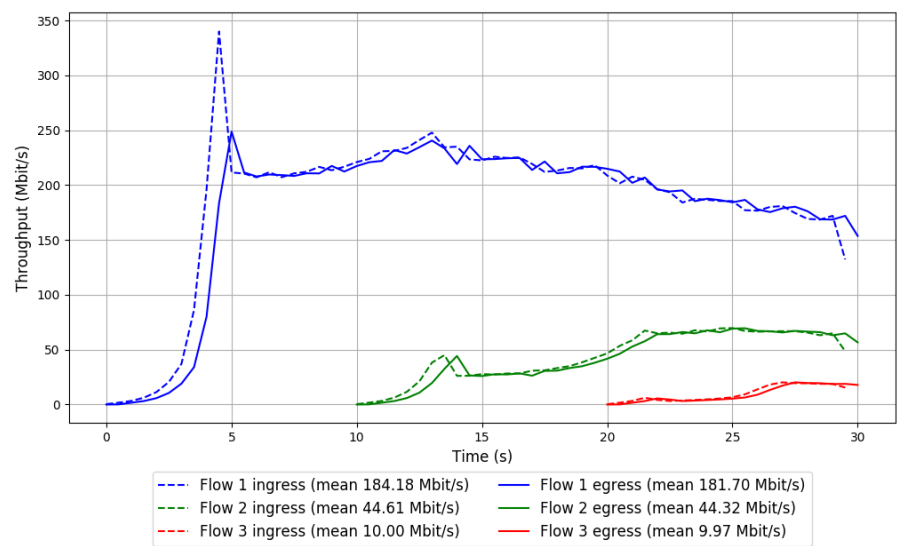


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 03:24:57
End at: 2018-05-22 03:25:27
Local clock offset: -0.561 ms
Remote clock offset: -37.342 ms

Below is generated by plot.py at 2018-05-22 08:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.48 Mbit/s
95th percentile per-packet one-way delay: 62.606 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 181.70 Mbit/s
95th percentile per-packet one-way delay: 62.674 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 62.110 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 62.112 ms
Loss rate: 0.28%

Run 1: Report of PCC-Vivace — Data Link

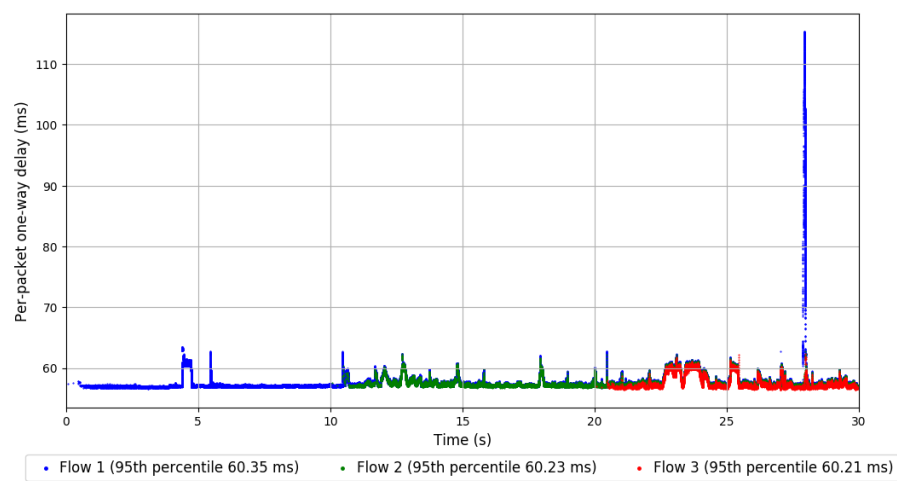
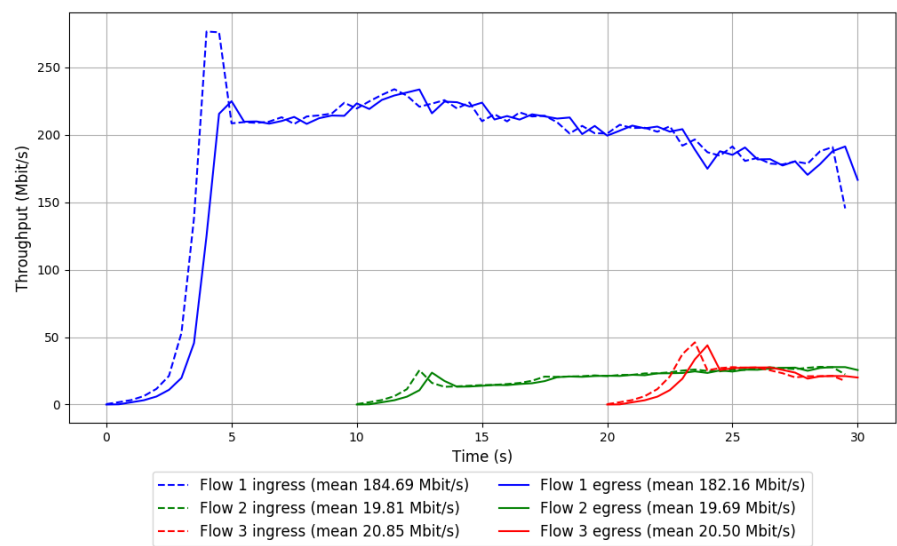


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 03:48:08
End at: 2018-05-22 03:48:38
Local clock offset: 0.201 ms
Remote clock offset: -39.317 ms

Below is generated by plot.py at 2018-05-22 08:33:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.03 Mbit/s
95th percentile per-packet one-way delay: 60.329 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 182.16 Mbit/s
95th percentile per-packet one-way delay: 60.353 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 19.69 Mbit/s
95th percentile per-packet one-way delay: 60.232 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 20.50 Mbit/s
95th percentile per-packet one-way delay: 60.214 ms
Loss rate: 1.71%

Run 2: Report of PCC-Vivace — Data Link

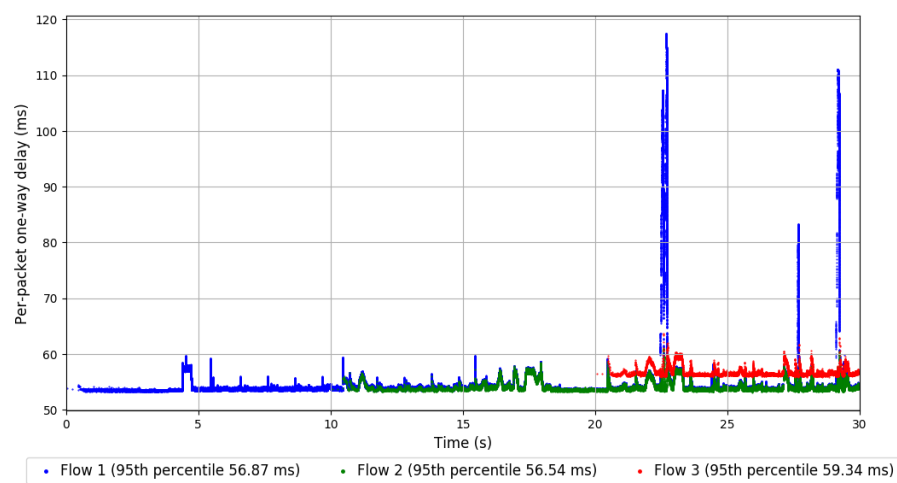
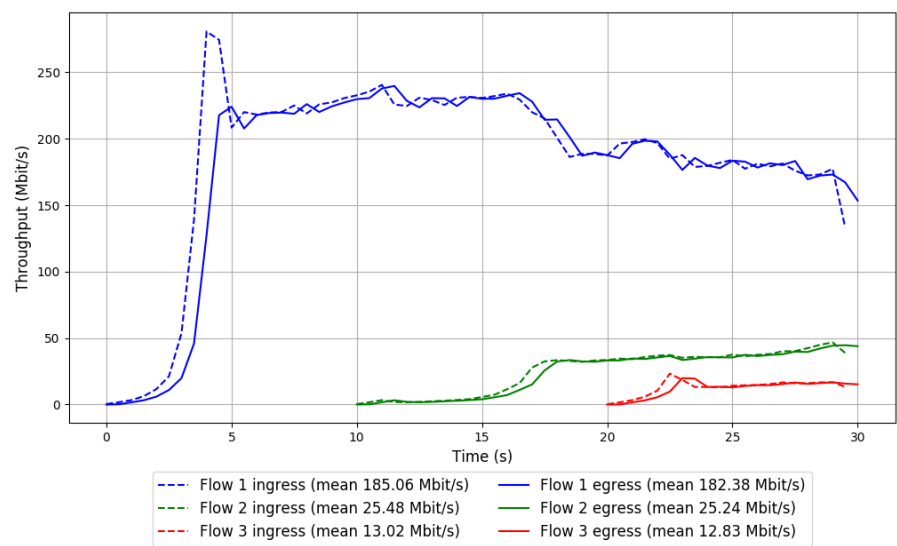


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 04:16:25
End at: 2018-05-22 04:16:55
Local clock offset: -1.248 ms
Remote clock offset: -40.771 ms

Below is generated by plot.py at 2018-05-22 08:34:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.39 Mbit/s
95th percentile per-packet one-way delay: 56.908 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 182.38 Mbit/s
95th percentile per-packet one-way delay: 56.871 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 25.24 Mbit/s
95th percentile per-packet one-way delay: 56.540 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 59.338 ms
Loss rate: 1.43%

Run 3: Report of PCC-Vivace — Data Link

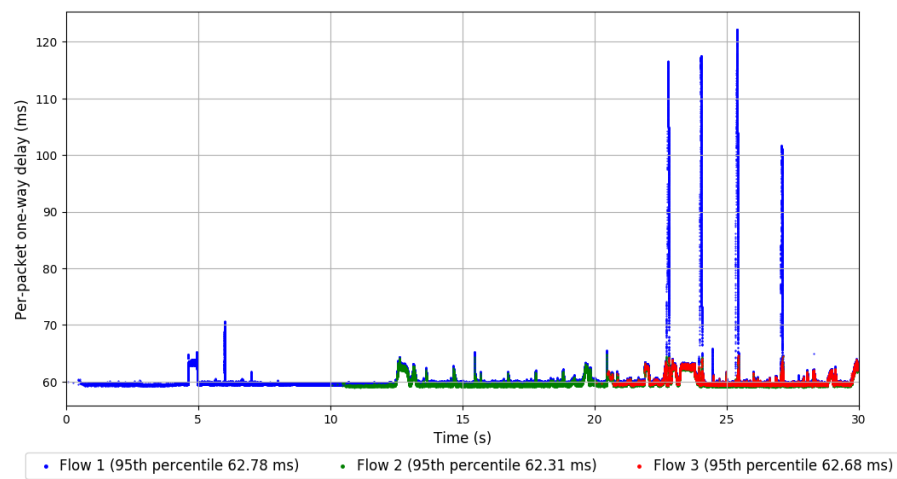
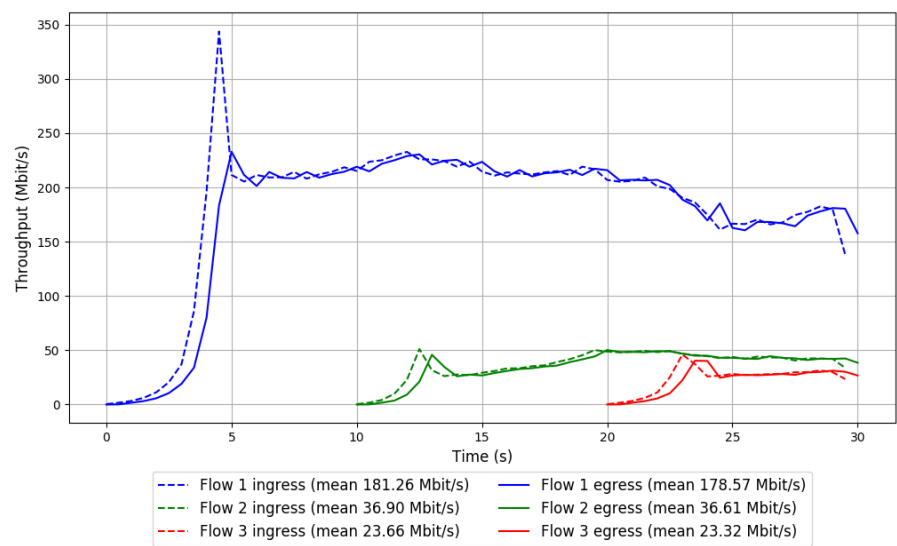


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 04:50:29
End at: 2018-05-22 04:50:59
Local clock offset: 1.154 ms
Remote clock offset: -33.739 ms

Below is generated by plot.py at 2018-05-22 08:34:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.62 Mbit/s
95th percentile per-packet one-way delay: 62.721 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 178.57 Mbit/s
95th percentile per-packet one-way delay: 62.778 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 62.309 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 62.677 ms
Loss rate: 1.43%

Run 4: Report of PCC-Vivace — Data Link

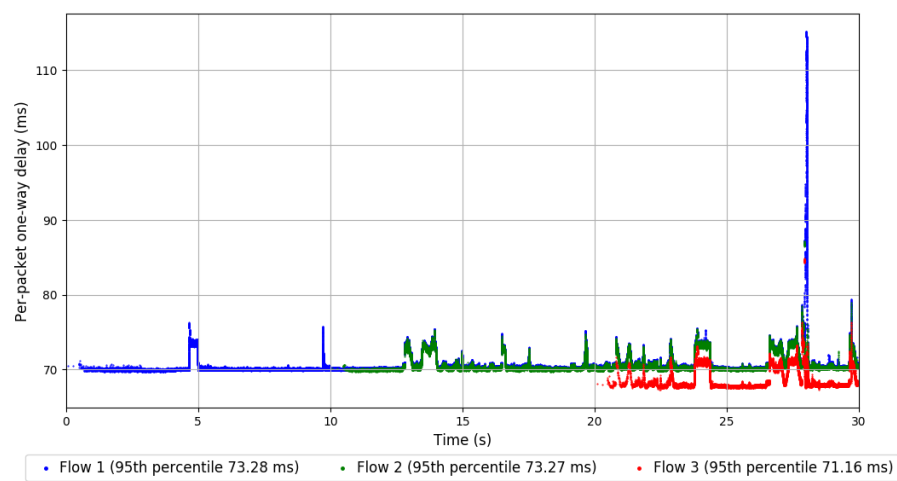
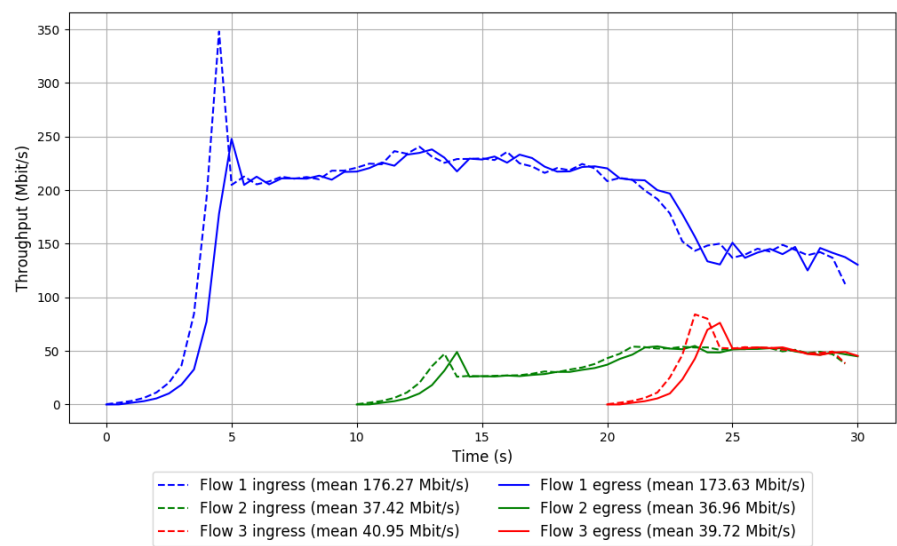


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 05:22:41
End at: 2018-05-22 05:23:11
Local clock offset: -0.973 ms
Remote clock offset: -25.667 ms

Below is generated by plot.py at 2018-05-22 08:34:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.32 Mbit/s
95th percentile per-packet one-way delay: 73.259 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 173.63 Mbit/s
95th percentile per-packet one-way delay: 73.278 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 73.268 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 71.156 ms
Loss rate: 2.99%

Run 5: Report of PCC-Vivace — Data Link

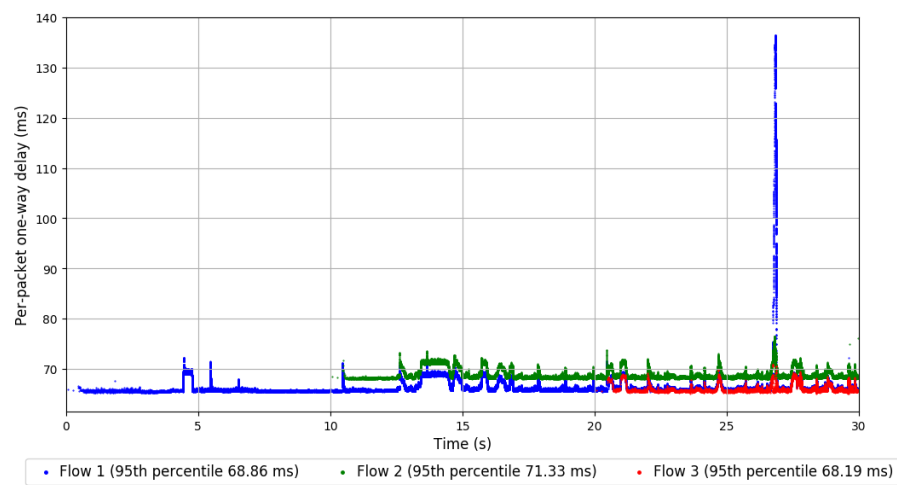
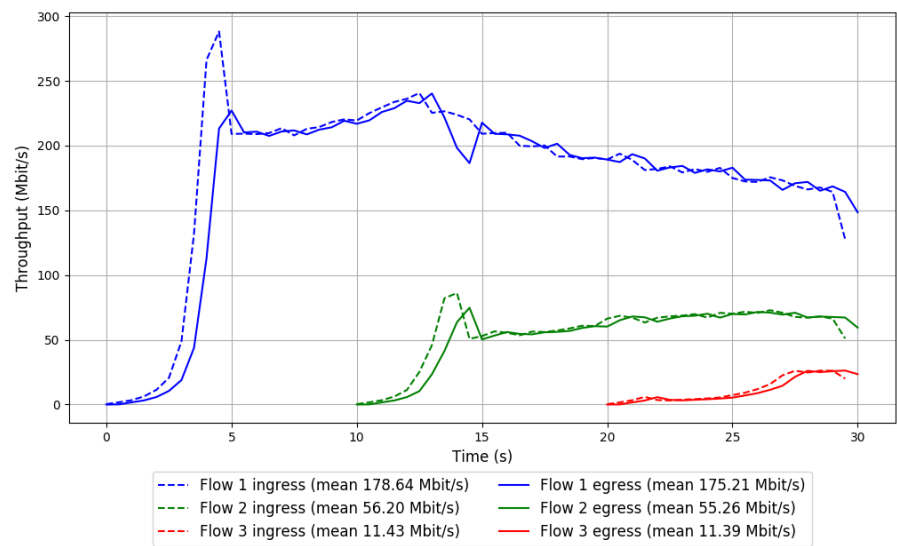


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 05:45:30
End at: 2018-05-22 05:46:00
Local clock offset: 1.137 ms
Remote clock offset: -27.571 ms

Below is generated by plot.py at 2018-05-22 08:35:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.69 Mbit/s
95th percentile per-packet one-way delay: 69.292 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 175.21 Mbit/s
95th percentile per-packet one-way delay: 68.862 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 71.335 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 68.188 ms
Loss rate: 0.37%

Run 6: Report of PCC-Vivace — Data Link

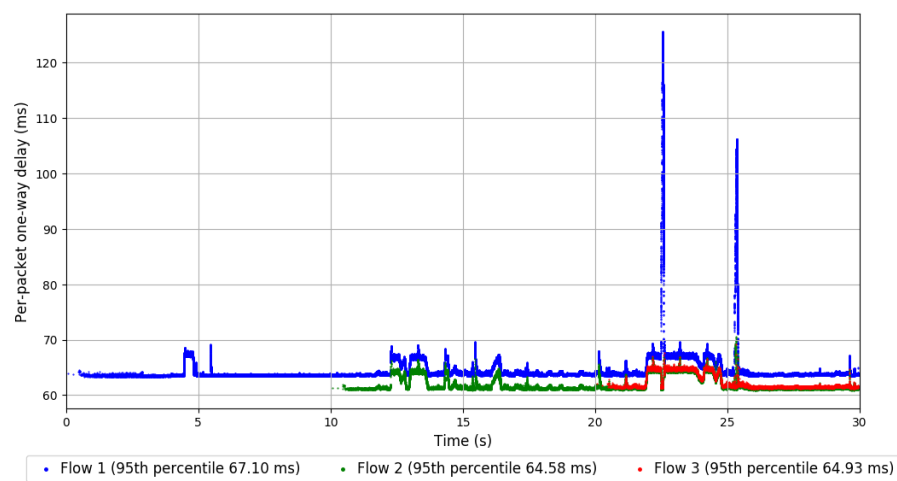
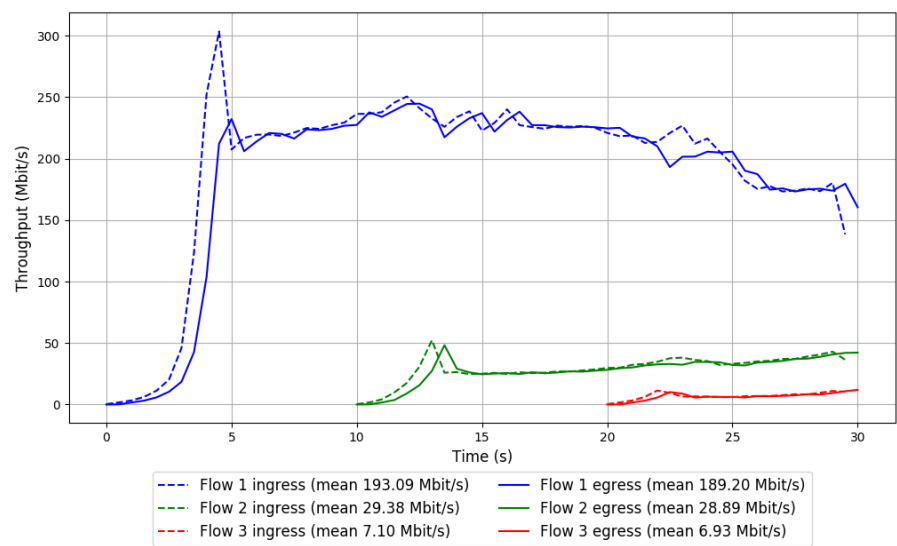


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 06:13:39
End at: 2018-05-22 06:14:09
Local clock offset: -5.182 ms
Remote clock offset: -35.545 ms

Below is generated by plot.py at 2018-05-22 08:35:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.70 Mbit/s
95th percentile per-packet one-way delay: 67.076 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 189.20 Mbit/s
95th percentile per-packet one-way delay: 67.103 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 64.575 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 64.933 ms
Loss rate: 2.41%

Run 7: Report of PCC-Vivace — Data Link

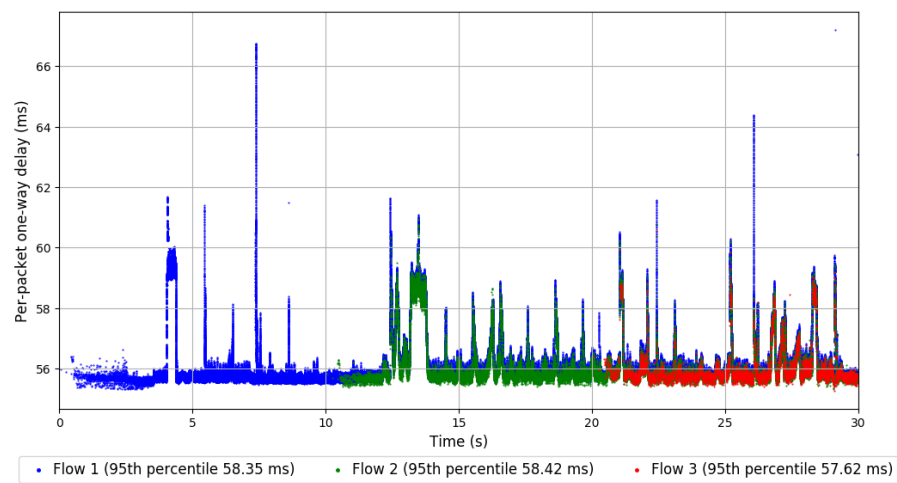
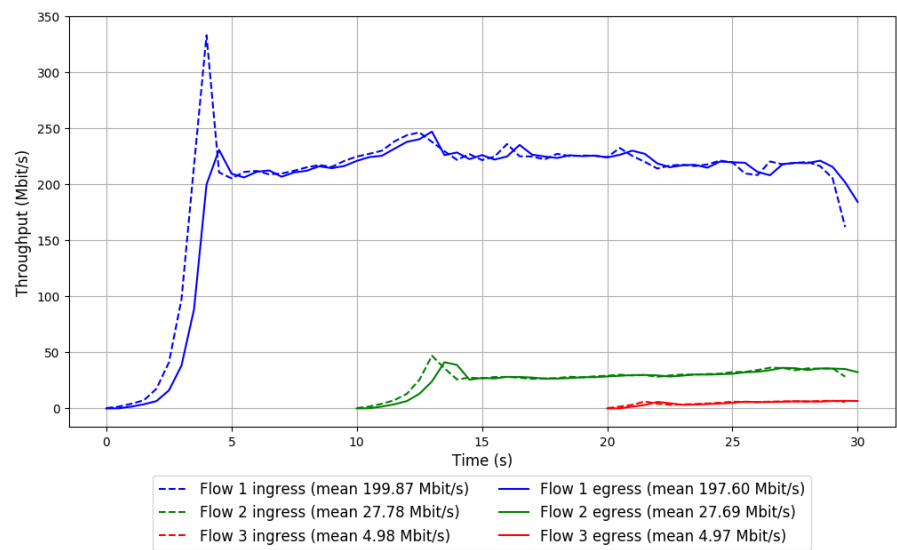


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 06:42:01
End at: 2018-05-22 06:42:31
Local clock offset: 0.296 ms
Remote clock offset: -35.234 ms

Below is generated by plot.py at 2018-05-22 08:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.65 Mbit/s
95th percentile per-packet one-way delay: 58.358 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 197.60 Mbit/s
95th percentile per-packet one-way delay: 58.349 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 58.424 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 57.622 ms
Loss rate: 0.12%

Run 8: Report of PCC-Vivace — Data Link

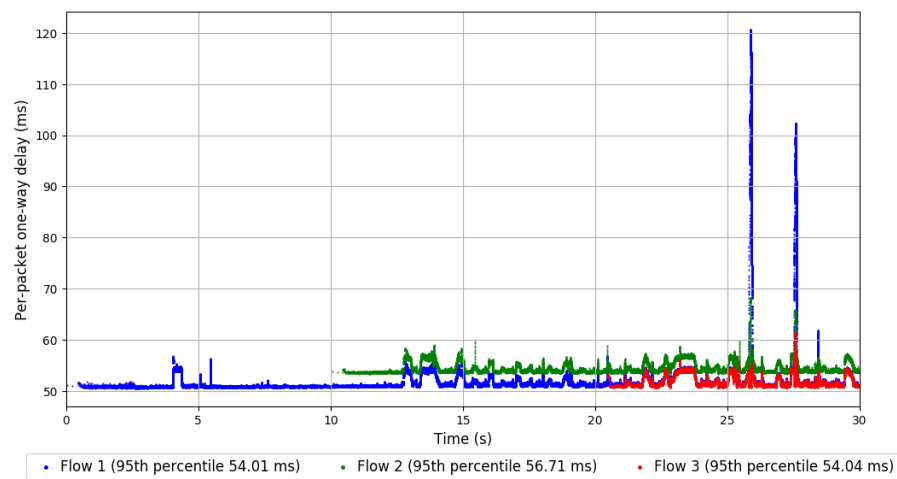
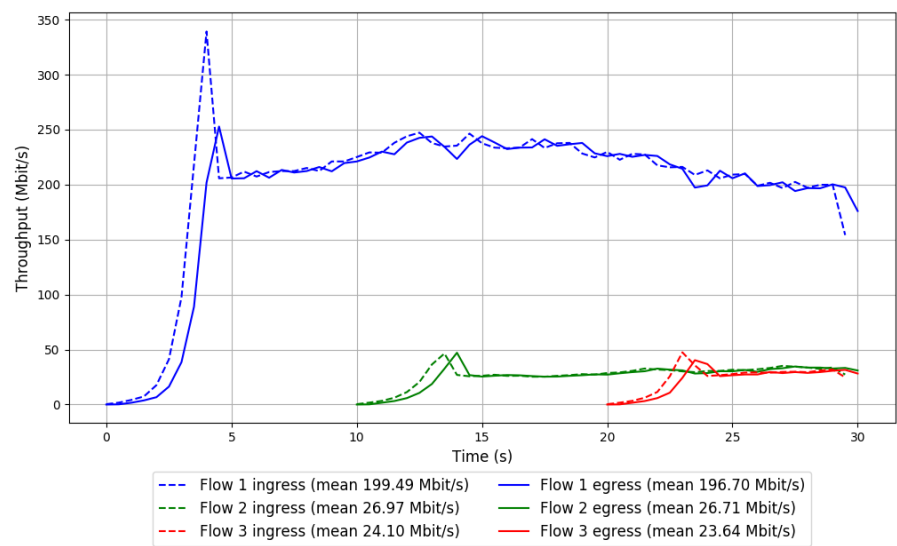


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 07:10:20
End at: 2018-05-22 07:10:50
Local clock offset: 3.002 ms
Remote clock offset: -40.005 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.26 Mbit/s
95th percentile per-packet one-way delay: 54.264 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 196.70 Mbit/s
95th percentile per-packet one-way delay: 54.006 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 56.713 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 54.044 ms
Loss rate: 1.90%

Run 9: Report of PCC-Vivace — Data Link

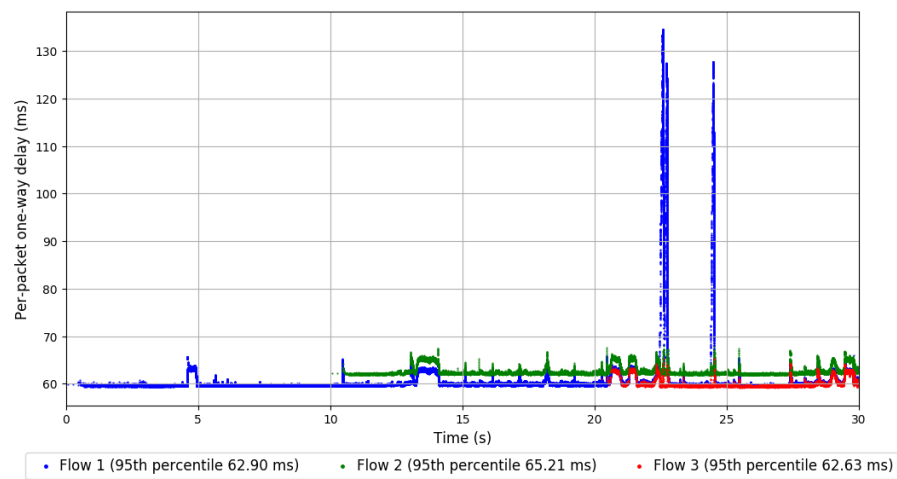
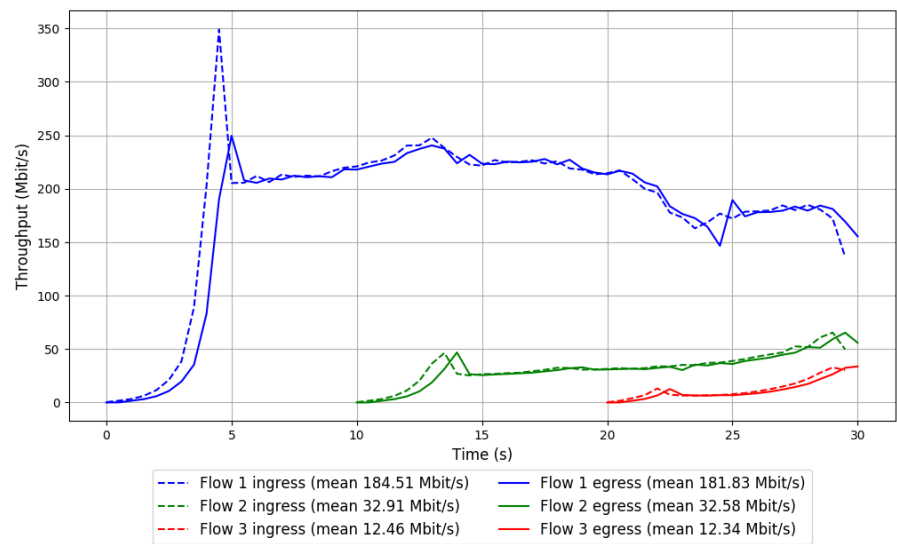


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 07:33:12
End at: 2018-05-22 07:33:42
Local clock offset: 2.689 ms
Remote clock offset: -31.662 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.57 Mbit/s
95th percentile per-packet one-way delay: 63.041 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 181.83 Mbit/s
95th percentile per-packet one-way delay: 62.899 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 32.58 Mbit/s
95th percentile per-packet one-way delay: 65.213 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 62.635 ms
Loss rate: 0.99%

Run 10: Report of PCC-Vivace — Data Link

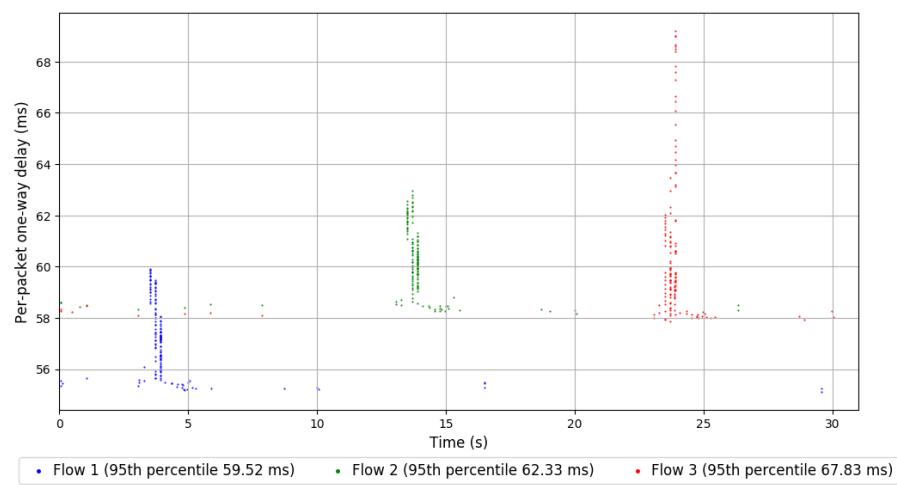
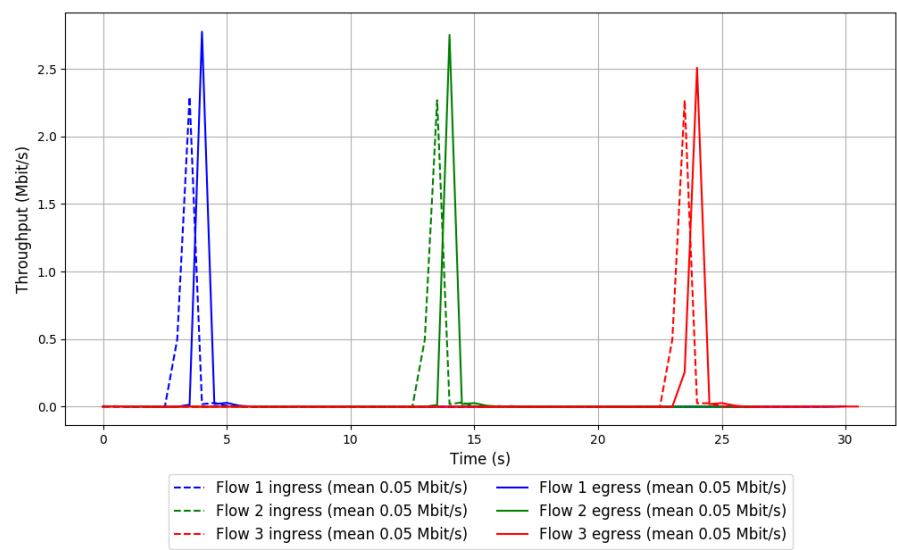


Run 1: Statistics of WebRTC media

Start at: 2018-05-22 03:42:19
End at: 2018-05-22 03:42:49
Local clock offset: 0.943 ms
Remote clock offset: -39.722 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.825 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

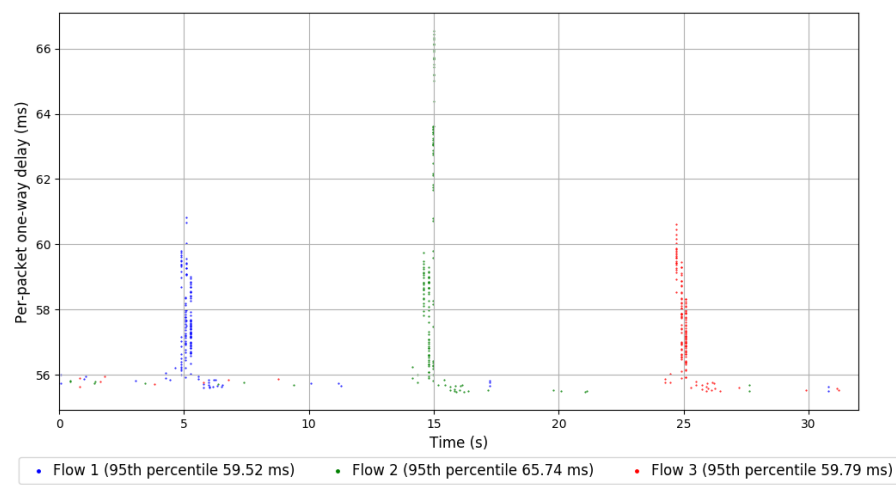
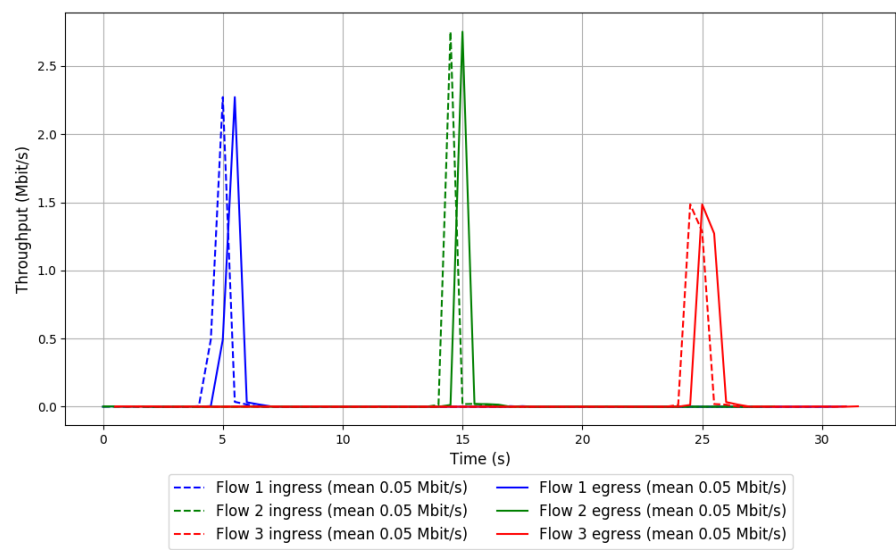


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 04:10:37
End at: 2018-05-22 04:11:07
Local clock offset: 1.497 ms
Remote clock offset: -36.608 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 63.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.519 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.790 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

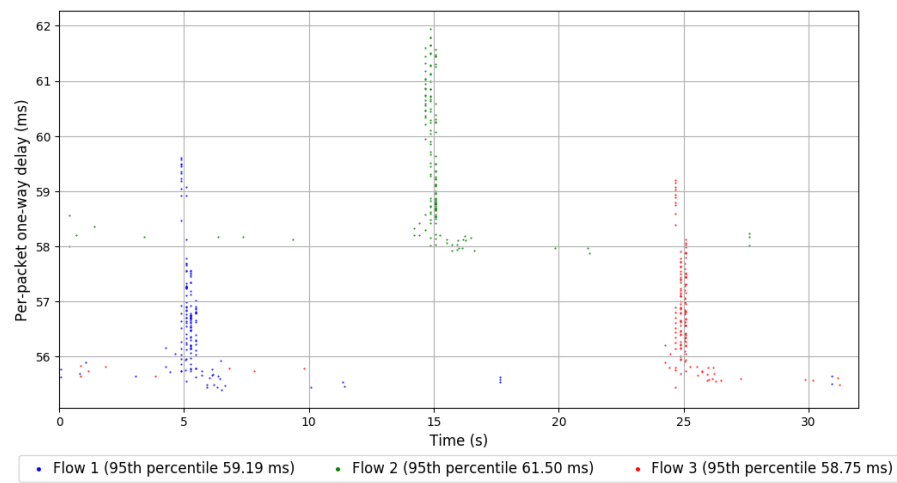
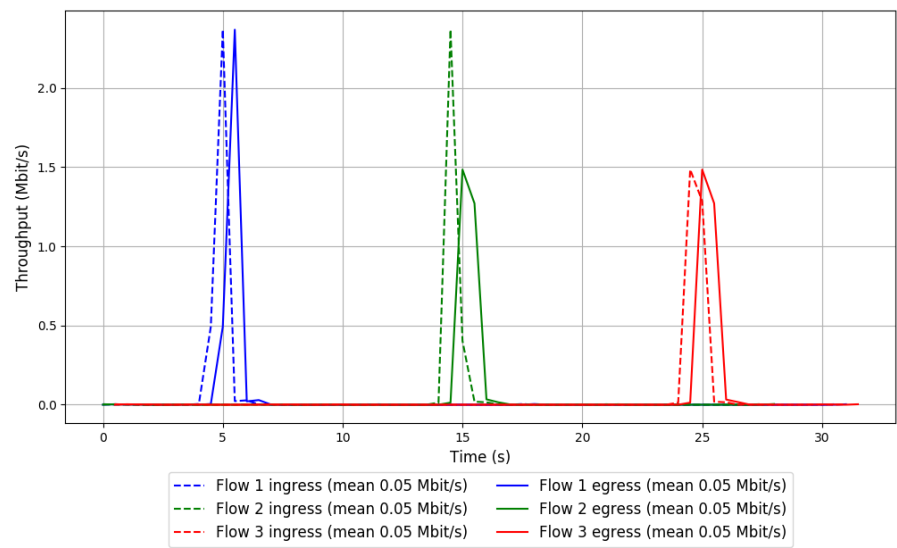


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 04:44:40
End at: 2018-05-22 04:45:10
Local clock offset: -0.389 ms
Remote clock offset: -38.961 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 60.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.190 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 58.751 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

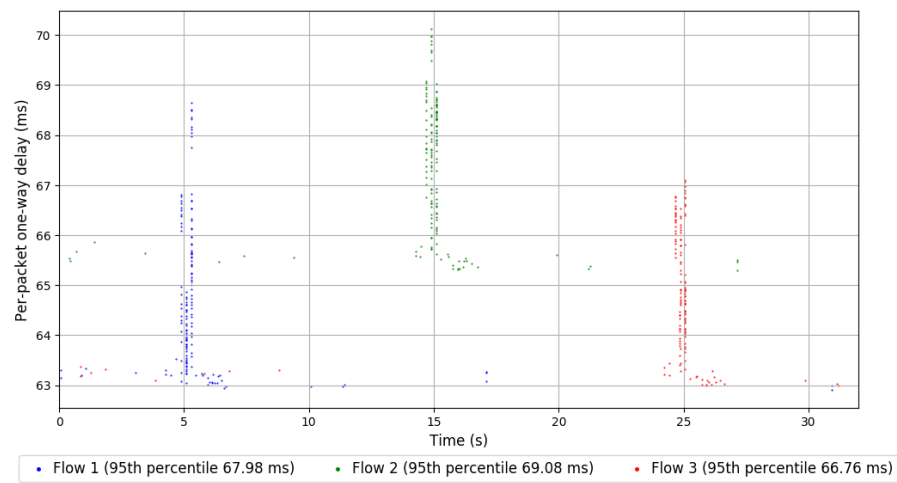
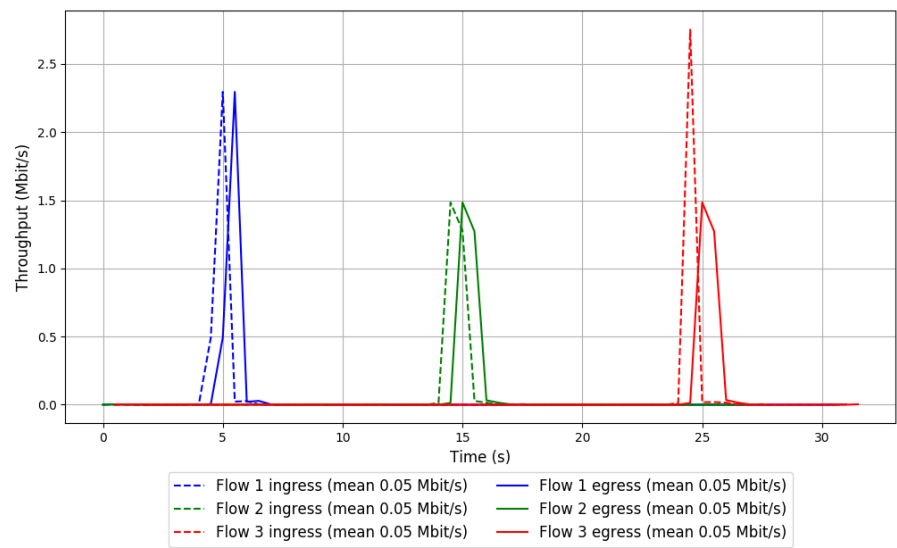


Run 4: Statistics of WebRTC media

Start at: 2018-05-22 05:07:27
End at: 2018-05-22 05:07:57
Local clock offset: -0.778 ms
Remote clock offset: -31.095 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 68.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 66.760 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

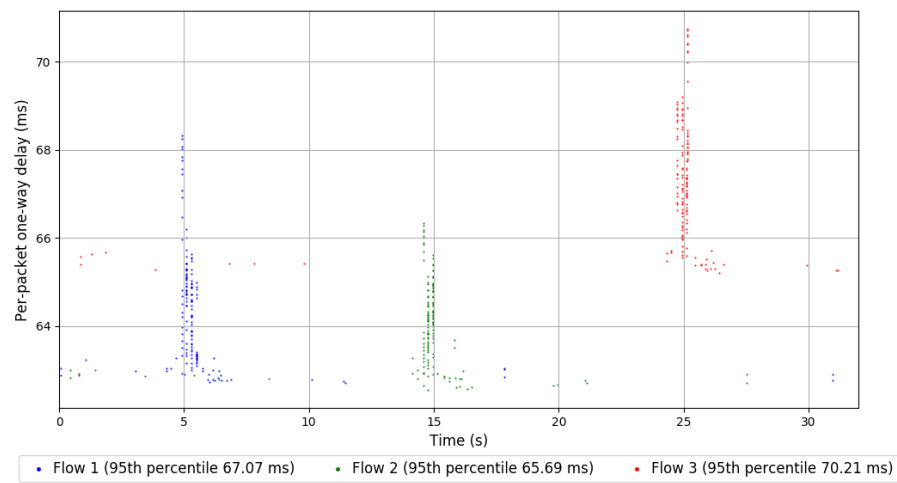
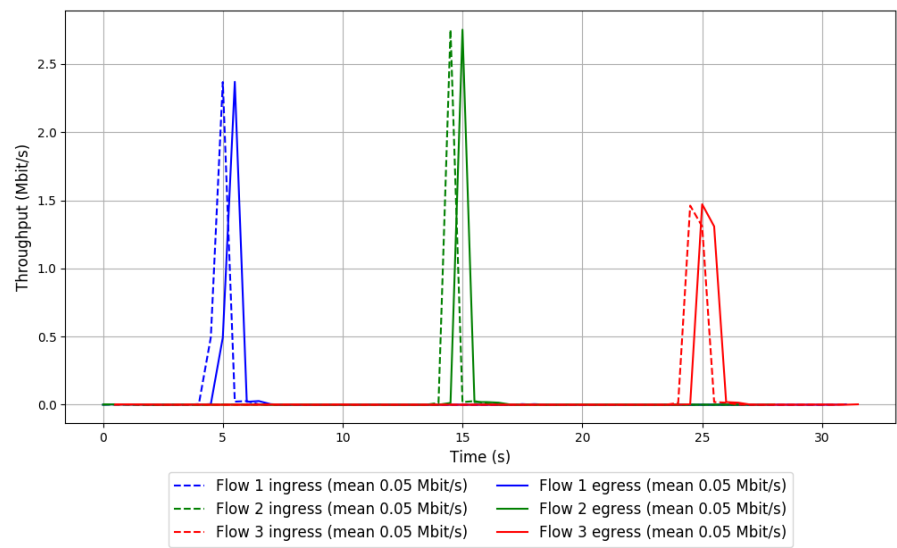


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 05:39:43
End at: 2018-05-22 05:40:13
Local clock offset: 3.101 ms
Remote clock offset: -27.993 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 68.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.069 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 70.213 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

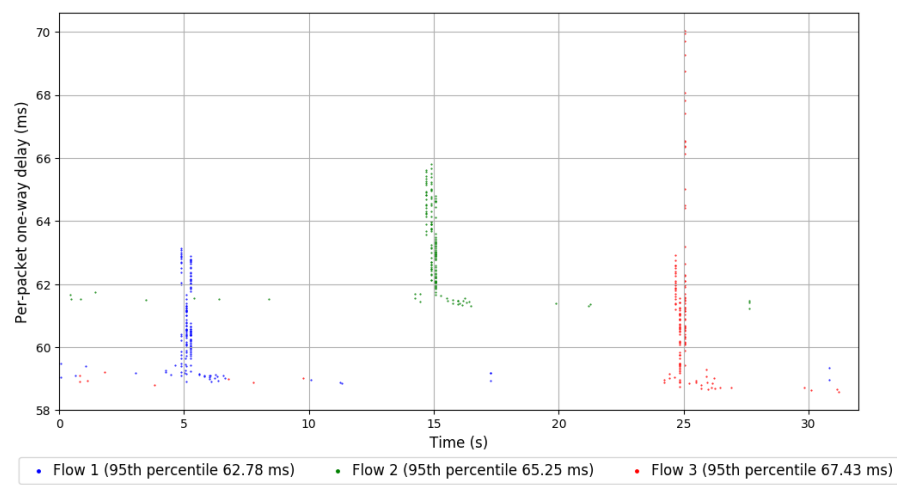
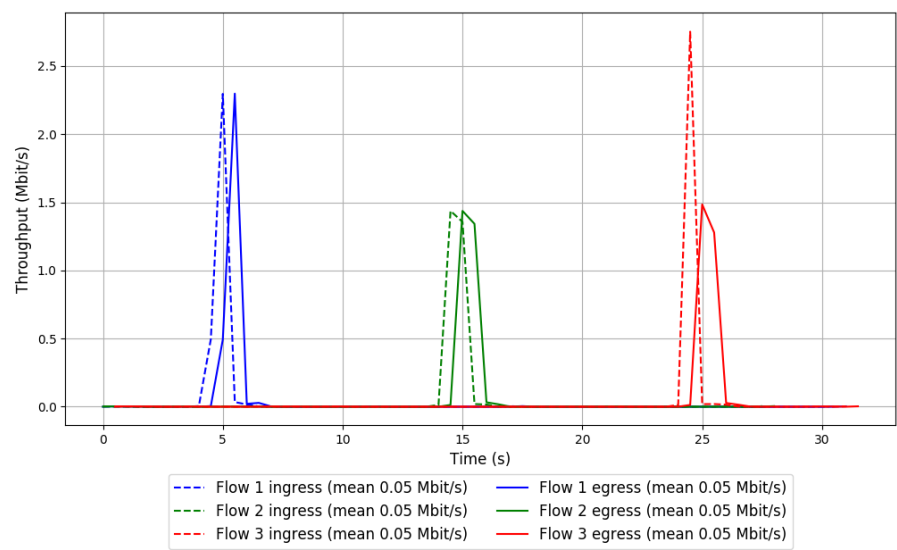


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 06:02:25
End at: 2018-05-22 06:02:55
Local clock offset: 1.185 ms
Remote clock offset: -32.518 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 65.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.780 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.252 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.427 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

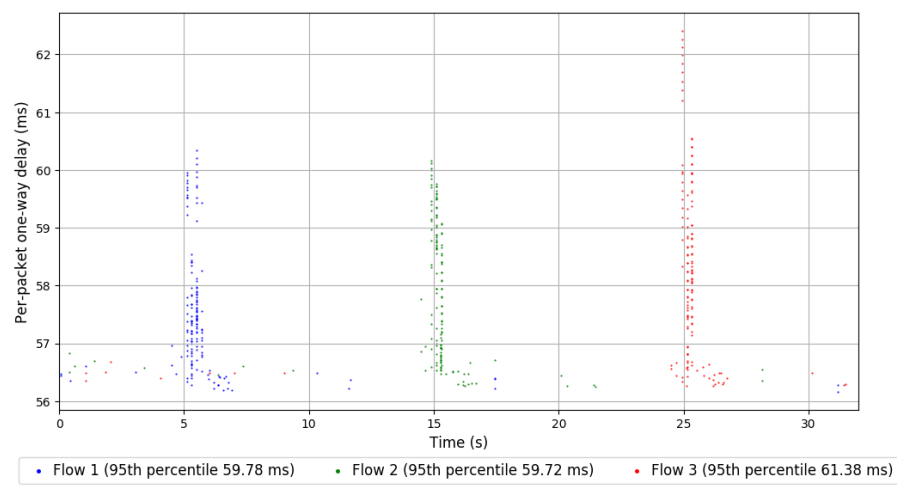
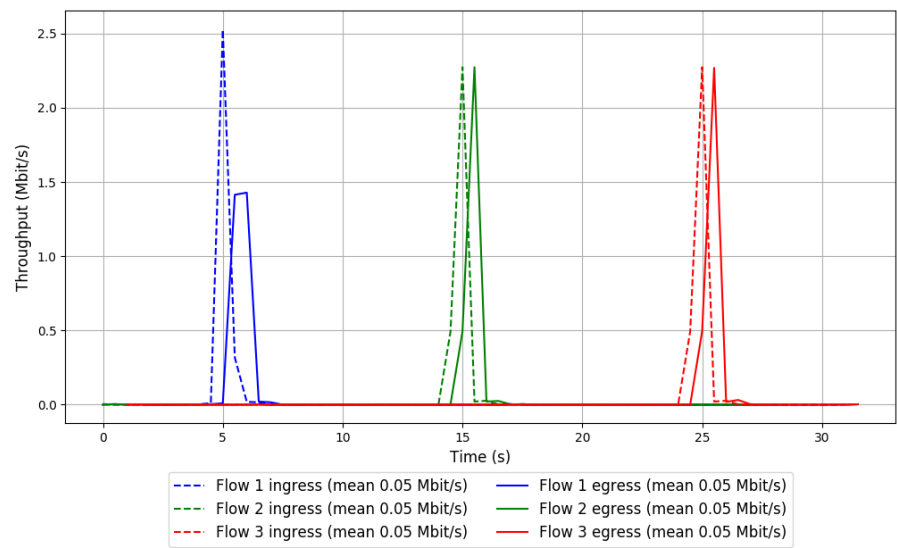


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 06:36:14
End at: 2018-05-22 06:36:44
Local clock offset: -2.22 ms
Remote clock offset: -37.03 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 60.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.781 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.378 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

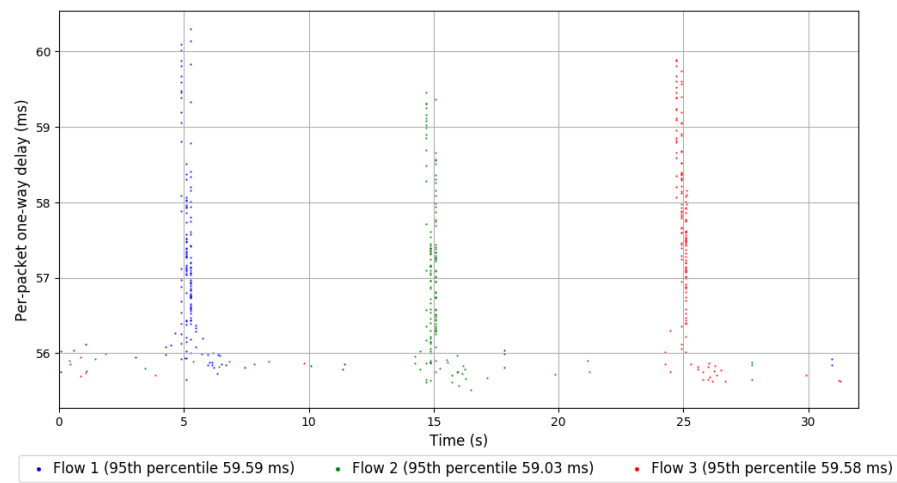
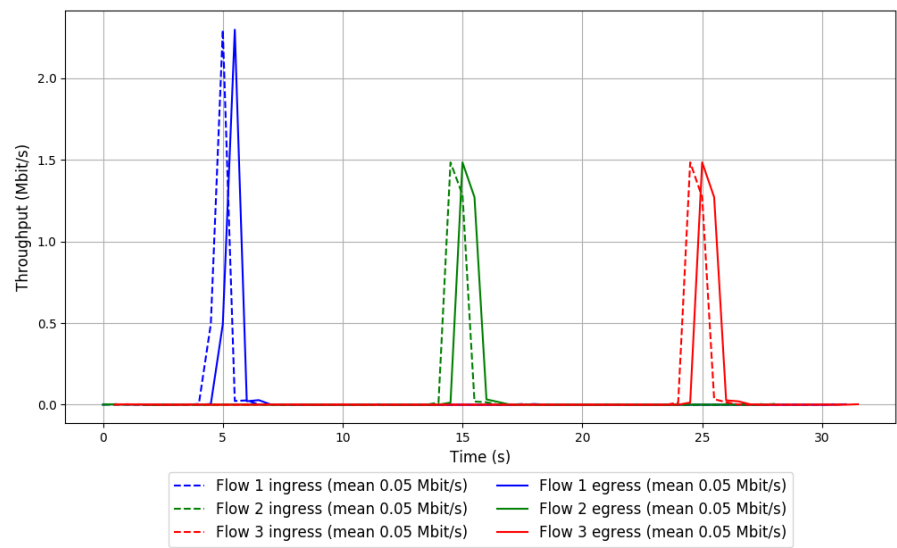


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 07:04:33
End at: 2018-05-22 07:05:03
Local clock offset: -0.557 ms
Remote clock offset: -37.992 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 59.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 59.575 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

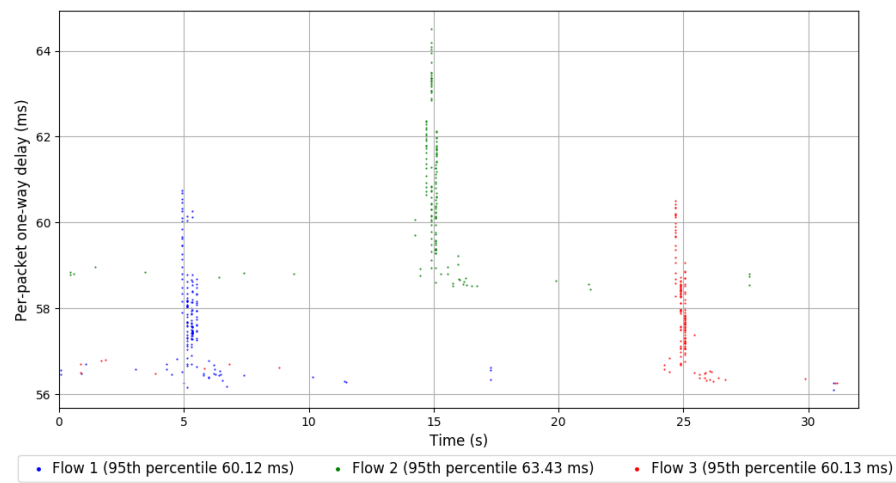
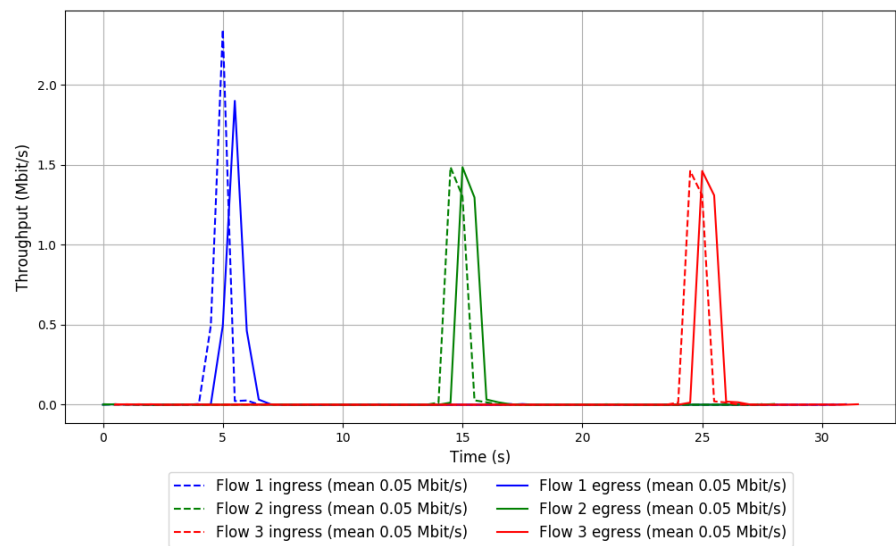


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 07:27:23
End at: 2018-05-22 07:27:53
Local clock offset: 2.456 ms
Remote clock offset: -35.72 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 62.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.126 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 07:50:17
End at: 2018-05-22 07:50:47
Local clock offset: -0.341 ms
Remote clock offset: -33.333 ms

Below is generated by plot.py at 2018-05-22 08:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 66.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.987 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

