

Pantheon Report

Generated at 2018-05-22 07:16:30 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico 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.

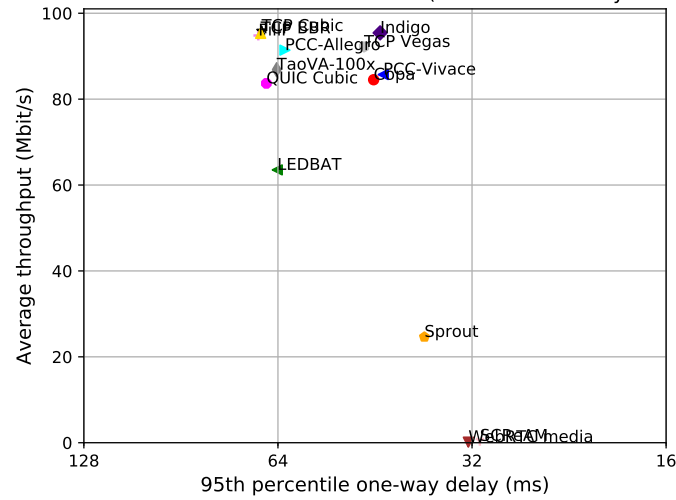
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

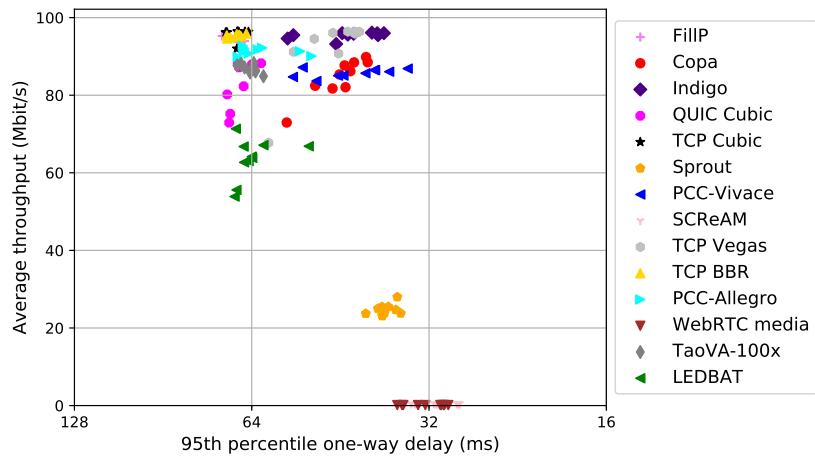
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ 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-quic @ 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 California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



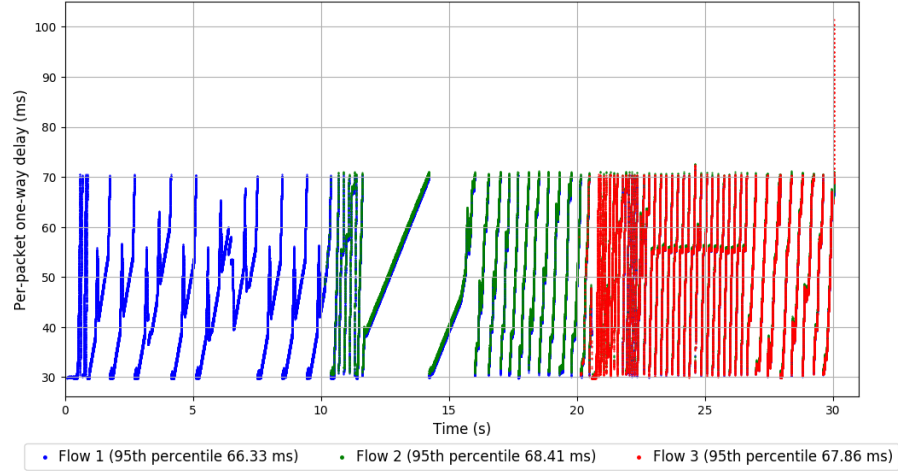
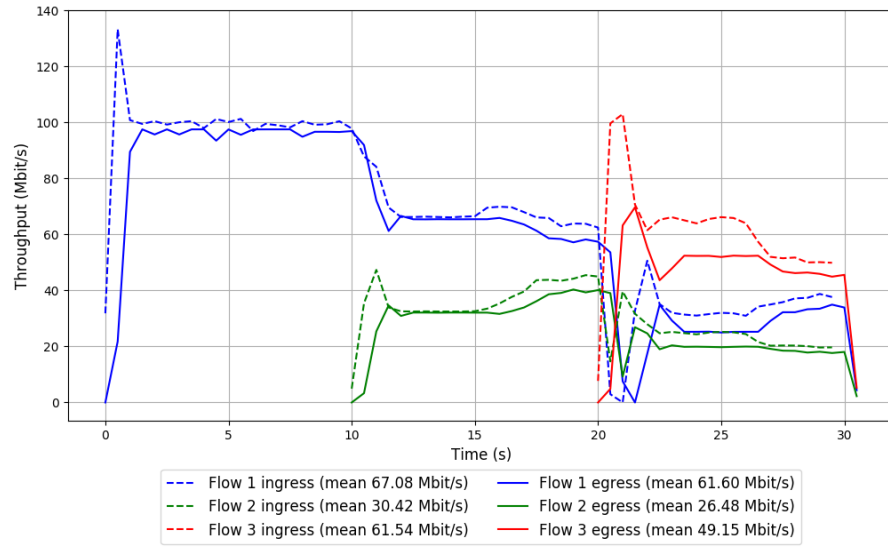
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	63.30	34.77	27.26	67.70	68.50	68.73	8.41	11.35	12.83
Copa	10	64.11	20.01	21.31	46.79	42.98	43.45	0.37	0.06	0.00
TCP Cubic	10	69.77	27.57	23.29	68.05	67.38	66.15	0.80	0.61	0.73
FillP	10	60.08	37.40	29.91	68.38	69.52	68.80	21.47	32.08	40.08
Indigo	10	65.06	30.10	31.76	42.15	47.40	50.72	0.04	0.05	0.24
LEDBAT	10	40.51	25.50	18.37	63.83	64.69	59.73	0.16	0.26	0.20
PCC-Allegro	10	79.71	13.40	8.47	62.02	64.26	62.70	3.45	4.16	4.21
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	59.84	24.88	22.19	66.07	67.04	67.50	2.58	1.36	1.62
SCReAM	10	0.22	0.22	0.22	30.87	30.82	30.80	0.00	0.00	0.00
Sprout	10	12.32	12.50	12.12	37.17	38.36	38.09	0.02	0.00	0.01
TaoVA-100x	10	51.76	38.73	28.13	61.89	65.24	66.67	13.65	23.90	18.75
TCP Vegas	10	70.95	20.62	22.51	45.88	46.49	44.98	0.31	0.02	0.05
Verus	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC-Vivace	10	64.09	25.96	13.21	42.37	44.77	44.63	0.06	0.05	0.02
WebRTC media	10	0.05	0.04	0.05	31.80	32.61	32.50	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 03:34:48
End at: 2018-05-22 03:35:18
Local clock offset: 1.677 ms
Remote clock offset: -3.003 ms

Below is generated by plot.py at 2018-05-22 06:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 67.157 ms
Loss rate: 11.23%
-- Flow 1:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 66.327 ms
Loss rate: 8.05%
-- Flow 2:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 68.408 ms
Loss rate: 12.87%
-- Flow 3:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 67.864 ms
Loss rate: 20.05%

Run 1: Report of TCP BBR — Data Link

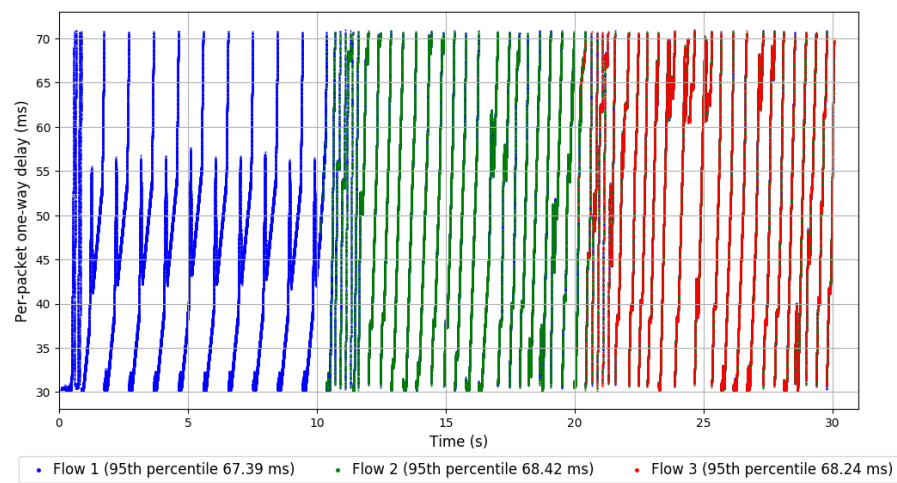
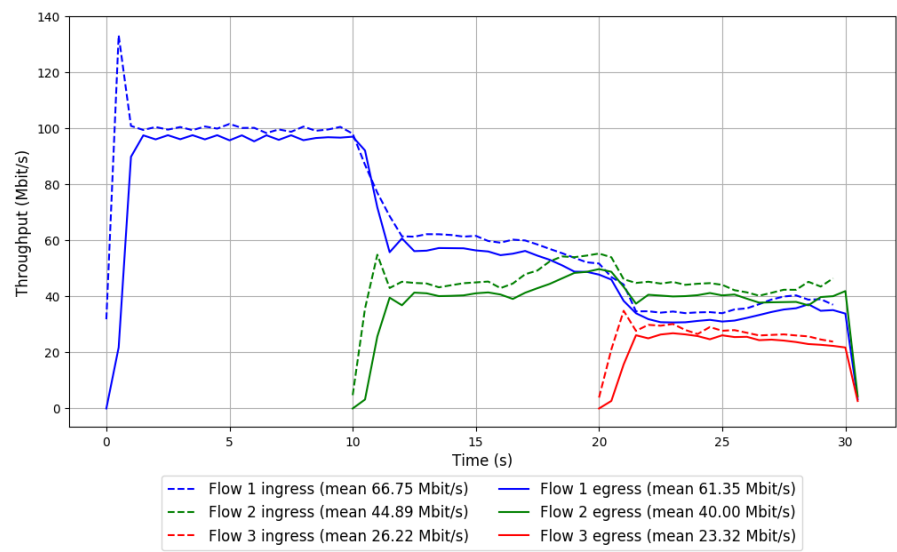


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 03:56:30
End at: 2018-05-22 03:57:00
Local clock offset: 1.632 ms
Remote clock offset: -5.312 ms

Below is generated by plot.py at 2018-05-22 06:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 67.852 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 67.387 ms
Loss rate: 8.00%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 68.421 ms
Loss rate: 10.78%
-- Flow 3:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 68.241 ms
Loss rate: 10.73%

Run 2: Report of TCP BBR — Data Link

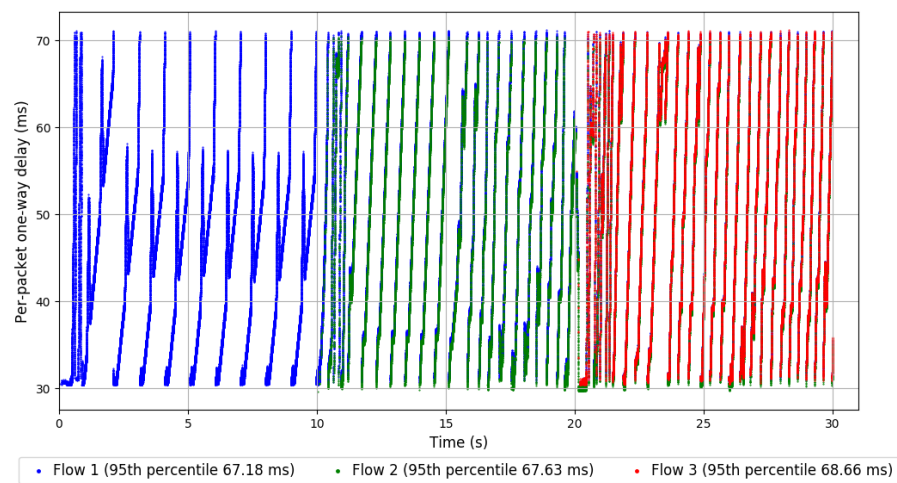
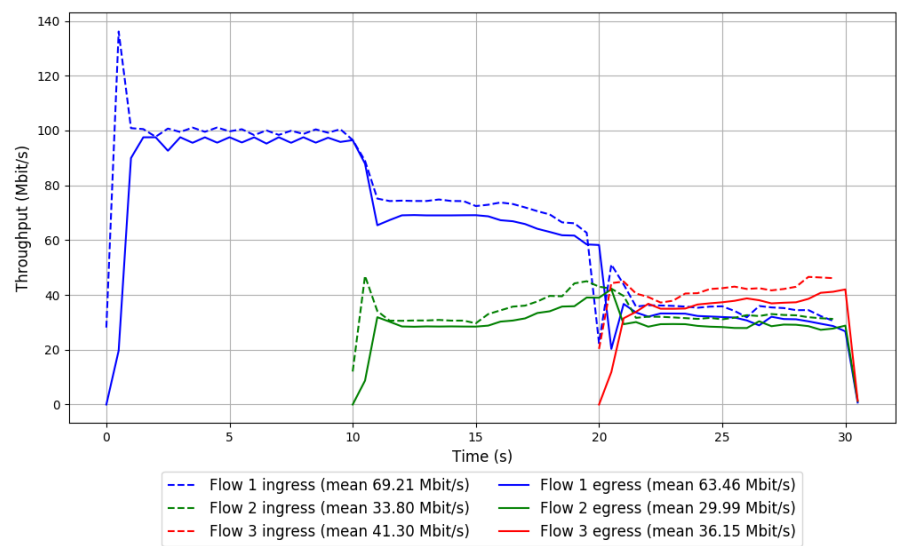


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 04:18:28
End at: 2018-05-22 04:18:58
Local clock offset: 0.707 ms
Remote clock offset: -7.854 ms

Below is generated by plot.py at 2018-05-22 06:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 67.569 ms
Loss rate: 9.49%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 67.178 ms
Loss rate: 8.30%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 67.632 ms
Loss rate: 11.23%
-- Flow 3:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 68.660 ms
Loss rate: 12.63%

Run 3: Report of TCP BBR — Data Link

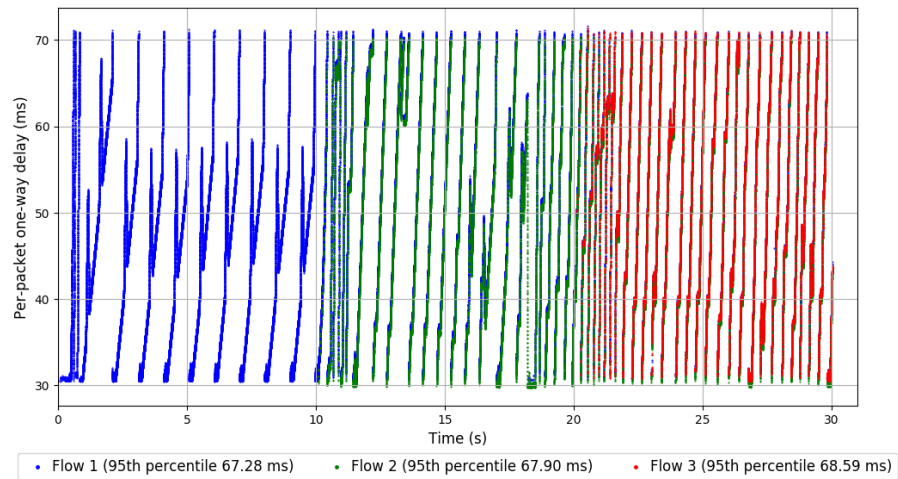
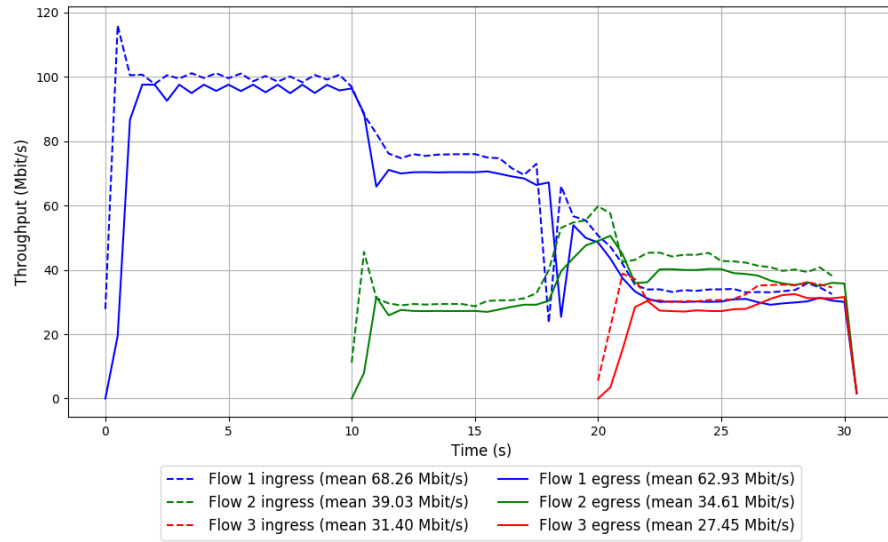


Run 4: Statistics of TCP BBR

Start at: 2018-05-22 04:39:43
End at: 2018-05-22 04:40:13
Local clock offset: 0.831 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-22 06:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 67.626 ms
Loss rate: 9.11%
-- Flow 1:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 67.285 ms
Loss rate: 7.76%
-- Flow 2:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 67.897 ms
Loss rate: 11.28%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 68.586 ms
Loss rate: 12.55%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-22 05:00:58

End at: 2018-05-22 05:01:28

Local clock offset: 0.725 ms

Remote clock offset: 2.28 ms

Below is generated by plot.py at 2018-05-22 06:58:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 66.752 ms

Loss rate: 9.51%

-- Flow 1:

Average throughput: 66.42 Mbit/s

95th percentile per-packet one-way delay: 66.402 ms

Loss rate: 8.44%

-- Flow 2:

Average throughput: 29.20 Mbit/s

95th percentile per-packet one-way delay: 67.491 ms

Loss rate: 11.72%

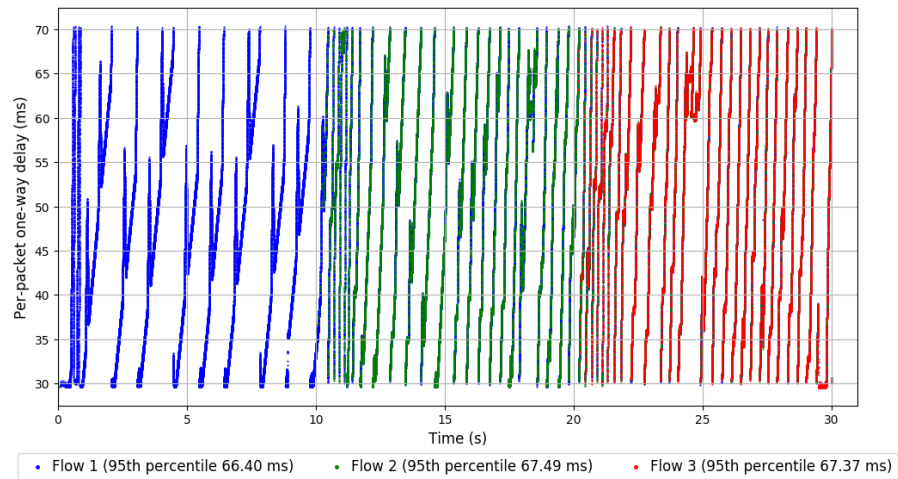
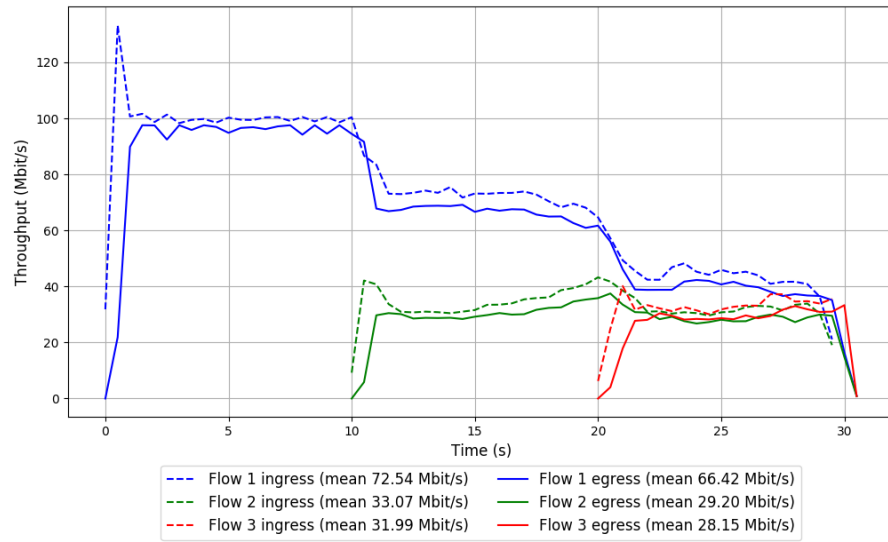
-- Flow 3:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 67.368 ms

Loss rate: 12.24%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

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

Local clock offset: 0.454 ms

Remote clock offset: 2.242 ms

Below is generated by plot.py at 2018-05-22 06:58:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 65.372 ms

Loss rate: 9.92%

-- Flow 1:

Average throughput: 63.54 Mbit/s

95th percentile per-packet one-way delay: 65.118 ms

Loss rate: 8.70%

-- Flow 2:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 65.669 ms

Loss rate: 12.22%

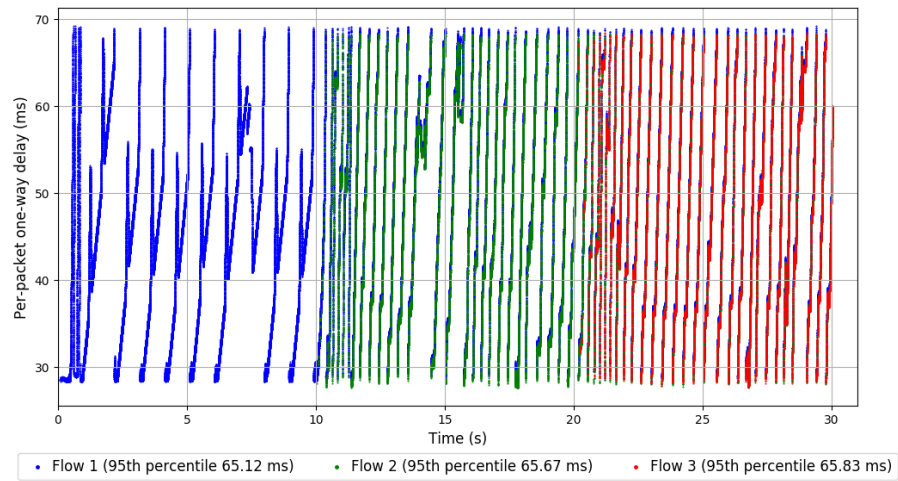
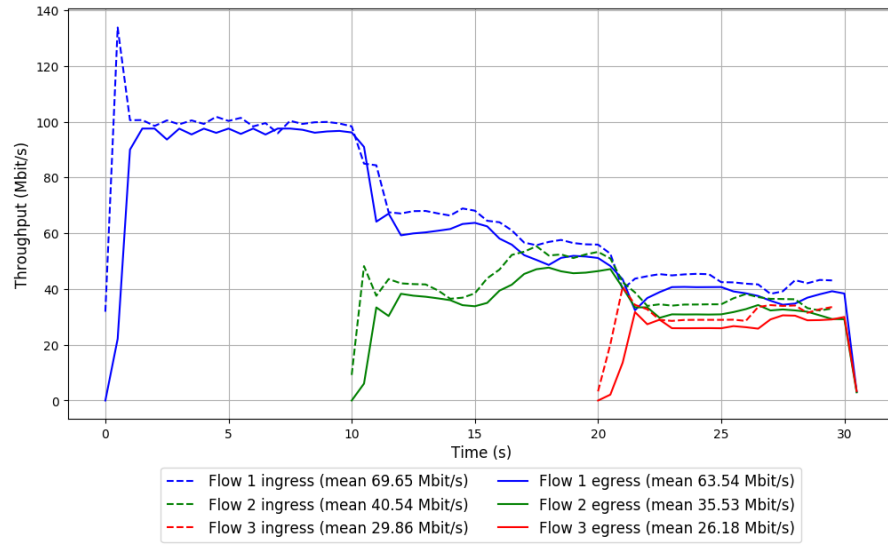
-- Flow 3:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 65.825 ms

Loss rate: 12.28%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-22 05:43:32

End at: 2018-05-22 05:44:02

Local clock offset: 1.378 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-05-22 06:58:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 67.885 ms

Loss rate: 9.87%

-- Flow 1:

Average throughput: 63.36 Mbit/s

95th percentile per-packet one-way delay: 67.706 ms

Loss rate: 8.77%

-- Flow 2:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 68.230 ms

Loss rate: 11.54%

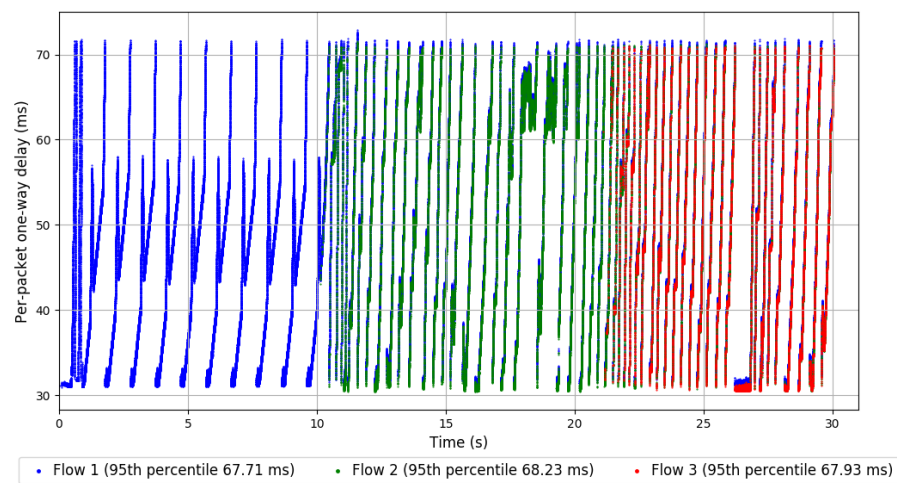
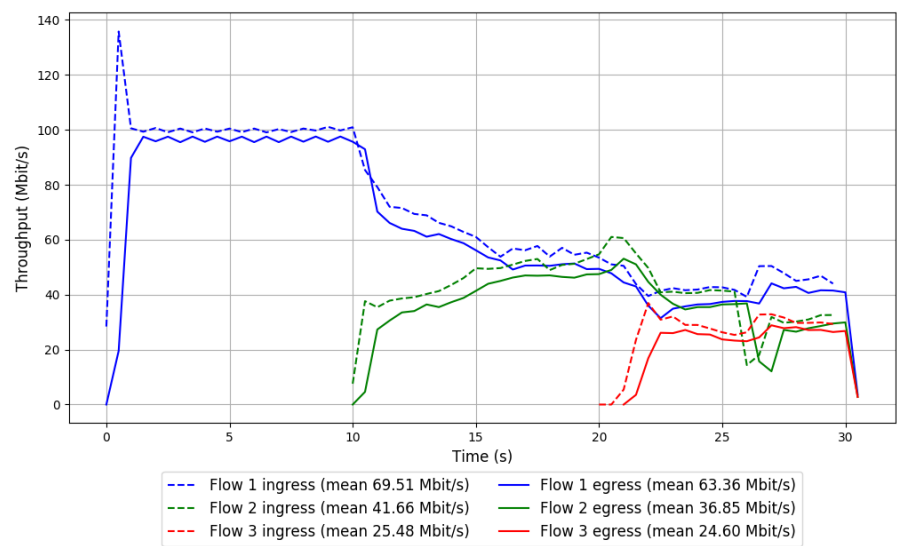
-- Flow 3:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 67.934 ms

Loss rate: 13.40%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 06:05:53

End at: 2018-05-22 06:06:23

Local clock offset: 0.997 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2018-05-22 06:58:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 70.438 ms

Loss rate: 9.61%

-- Flow 1:

Average throughput: 68.59 Mbit/s

95th percentile per-packet one-way delay: 70.324 ms

Loss rate: 9.28%

-- Flow 2:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 70.633 ms

Loss rate: 10.55%

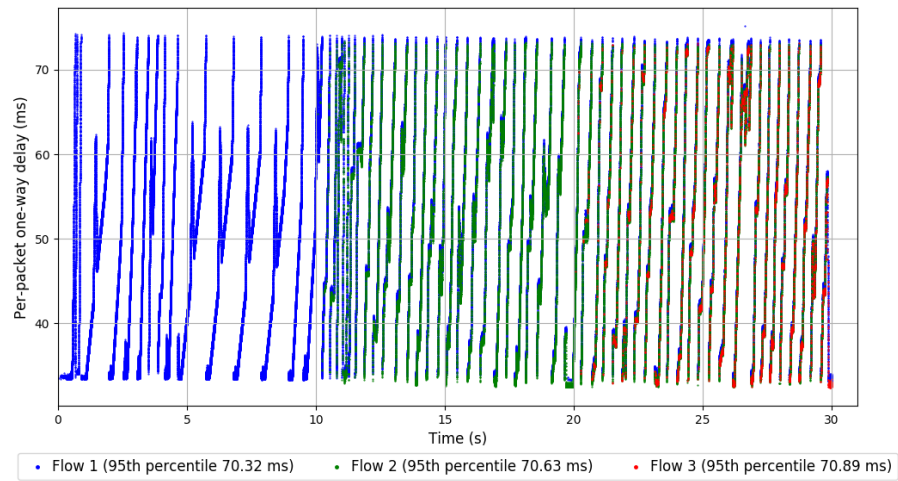
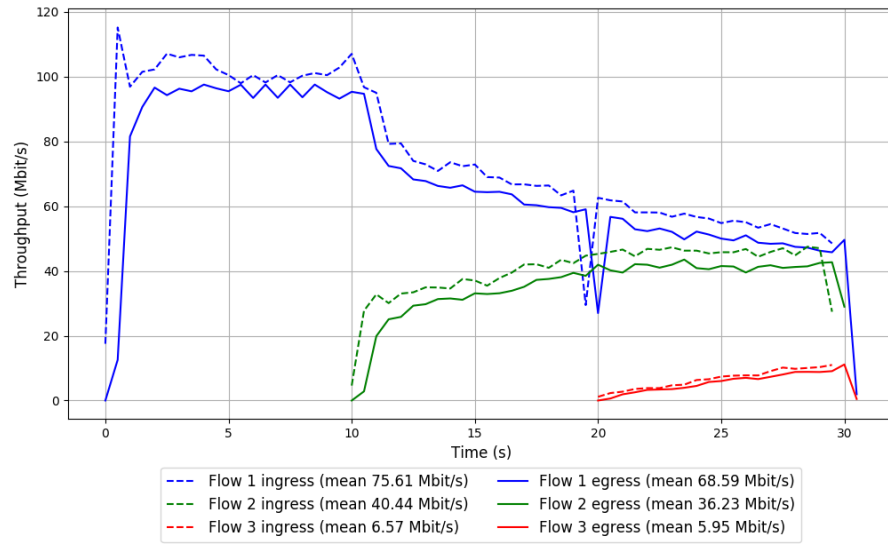
-- Flow 3:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 70.894 ms

Loss rate: 9.58%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 06:28:08

End at: 2018-05-22 06:28:38

Local clock offset: 0.676 ms

Remote clock offset: 6.858 ms

Below is generated by plot.py at 2018-05-22 06:59:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.88 Mbit/s

95th percentile per-packet one-way delay: 69.595 ms

Loss rate: 9.24%

-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 69.324 ms

Loss rate: 8.40%

-- Flow 2:

Average throughput: 41.37 Mbit/s

95th percentile per-packet one-way delay: 69.869 ms

Loss rate: 10.28%

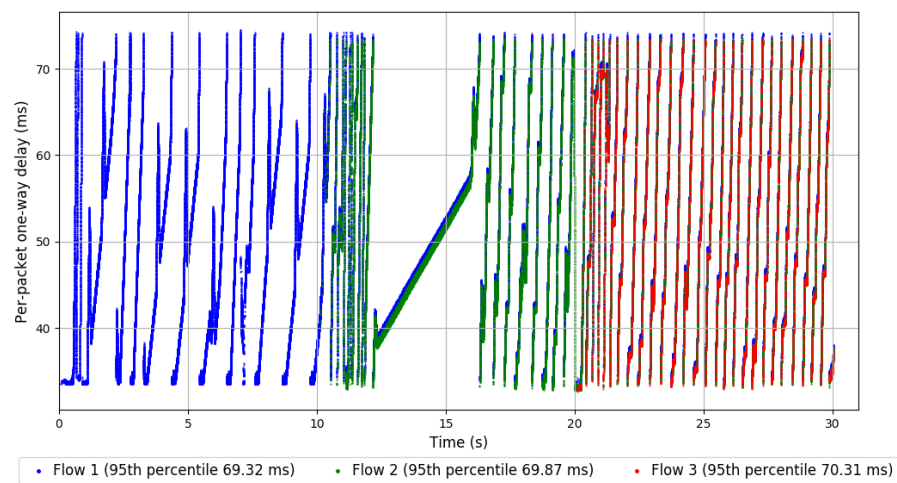
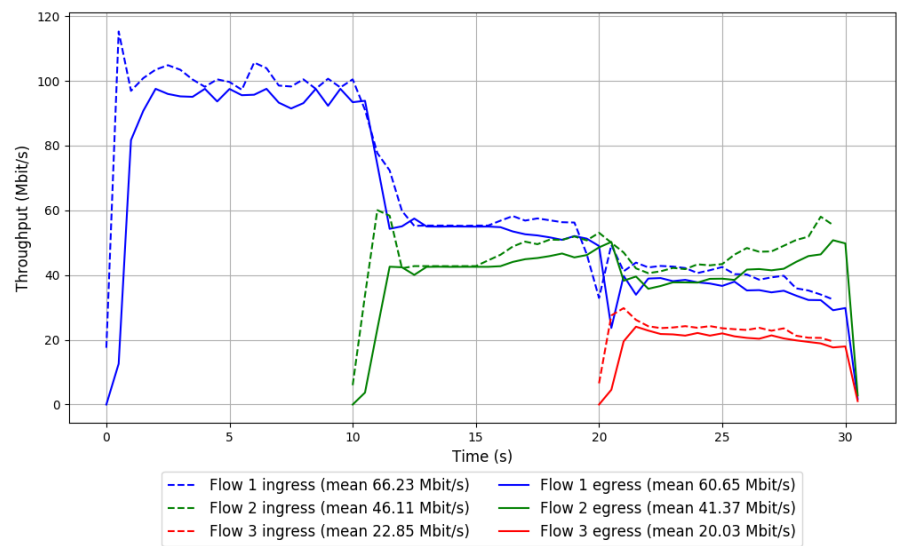
-- Flow 3:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 70.314 ms

Loss rate: 12.32%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 06:49:45

End at: 2018-05-22 06:50:15

Local clock offset: 0.541 ms

Remote clock offset: 6.567 ms

Below is generated by plot.py at 2018-05-22 06:59:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 70.554 ms

Loss rate: 9.51%

-- Flow 1:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 69.946 ms

Loss rate: 8.38%

-- Flow 2:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 70.713 ms

Loss rate: 11.05%

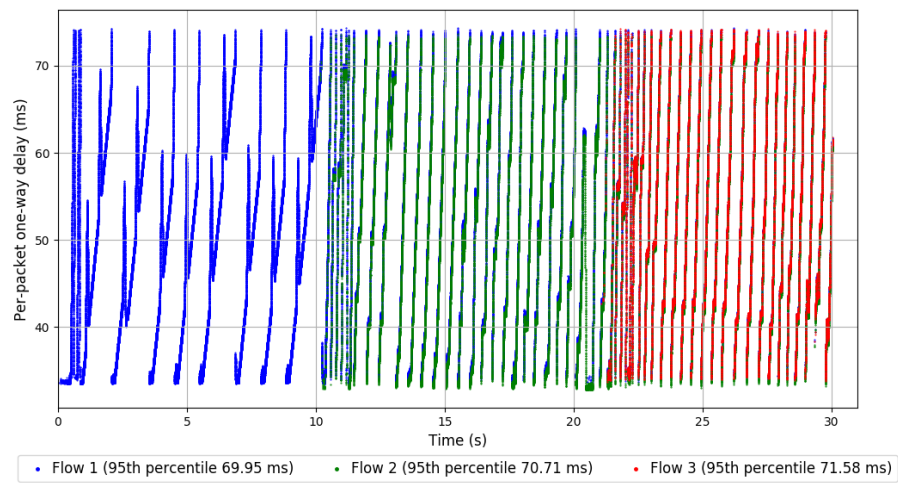
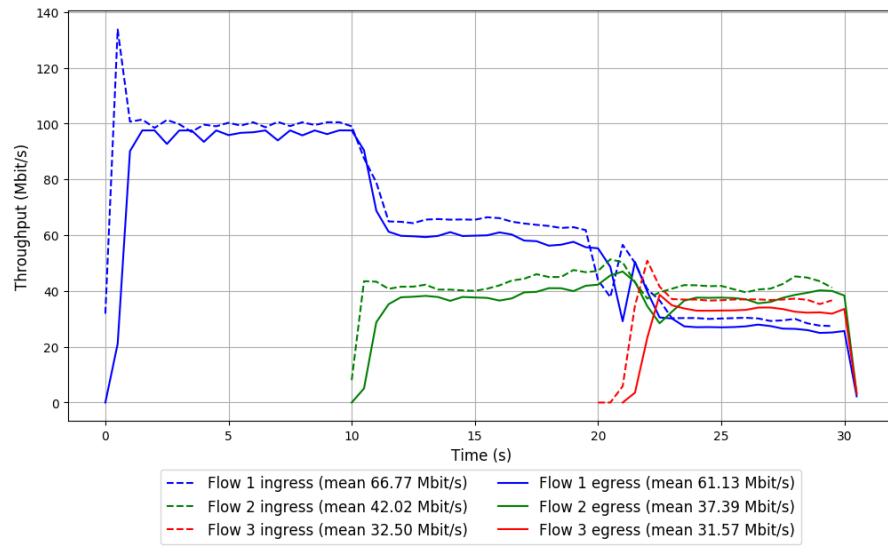
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 71.575 ms

Loss rate: 12.57%

Run 10: Report of TCP BBR — Data Link

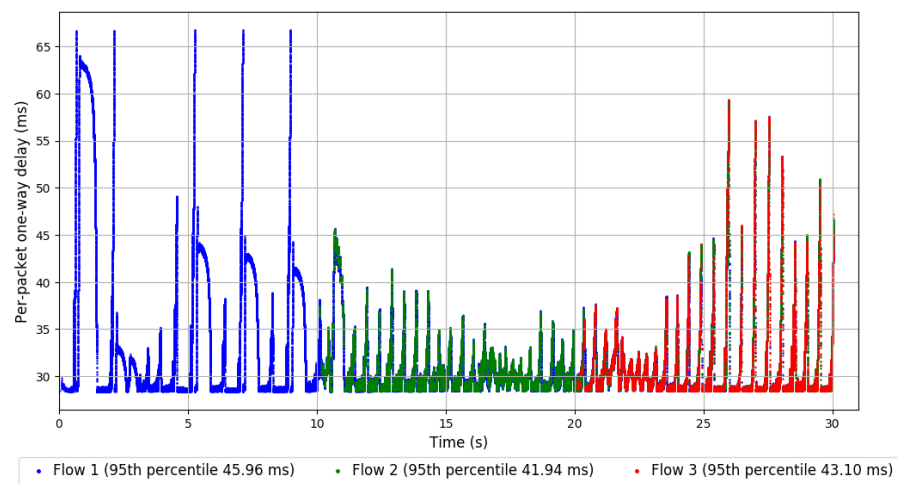
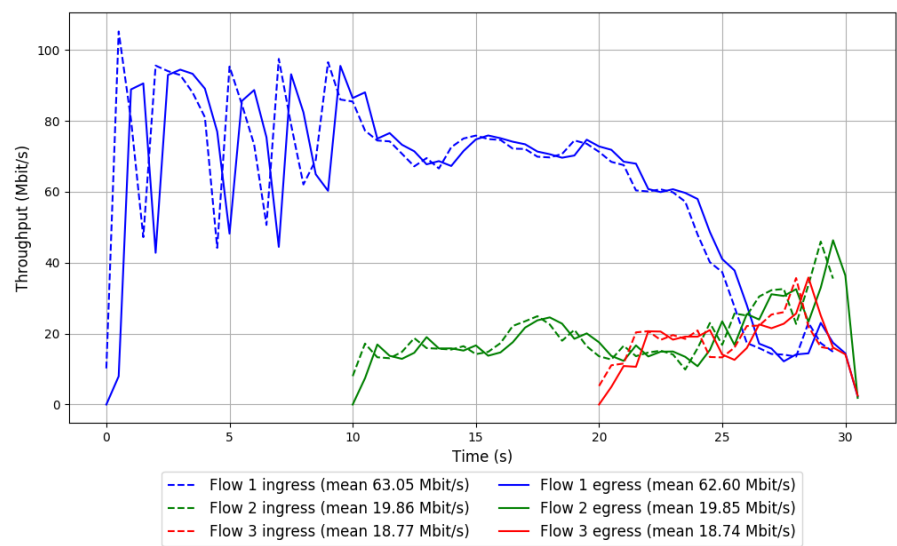


Run 1: Statistics of Copa

Start at: 2018-05-22 03:30:49
End at: 2018-05-22 03:31:19
Local clock offset: 1.769 ms
Remote clock offset: -4.211 ms

Below is generated by plot.py at 2018-05-22 07:00:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.06 Mbit/s
95th percentile per-packet one-way delay: 44.358 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 62.60 Mbit/s
95th percentile per-packet one-way delay: 45.957 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: 41.944 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 43.098 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

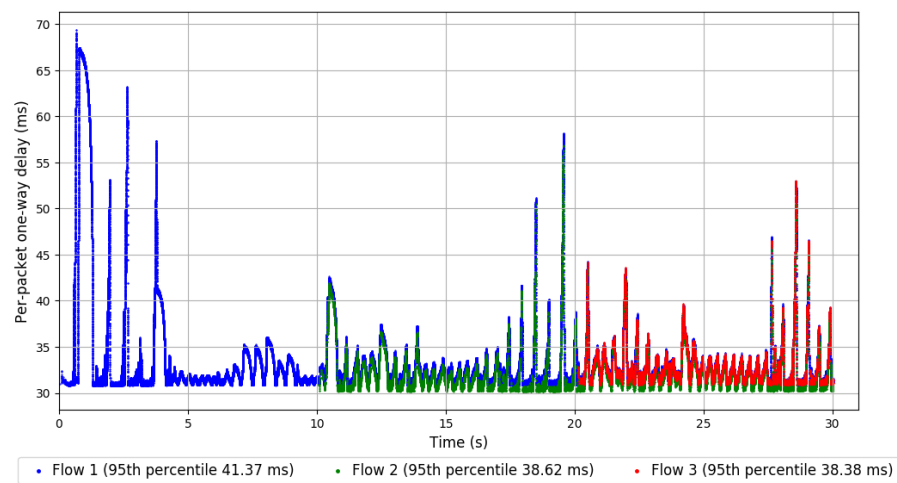
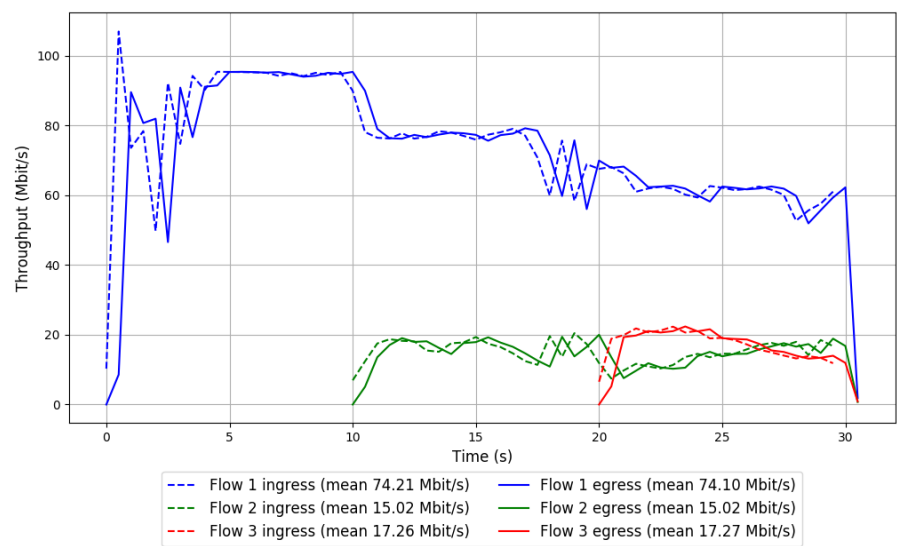


Run 2: Statistics of Copa

Start at: 2018-05-22 03:52:16
End at: 2018-05-22 03:52:46
Local clock offset: 1.651 ms
Remote clock offset: -4.885 ms

Below is generated by plot.py at 2018-05-22 07:00:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.84 Mbit/s
95th percentile per-packet one-way delay: 40.935 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 74.10 Mbit/s
95th percentile per-packet one-way delay: 41.368 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 38.623 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 38.375 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

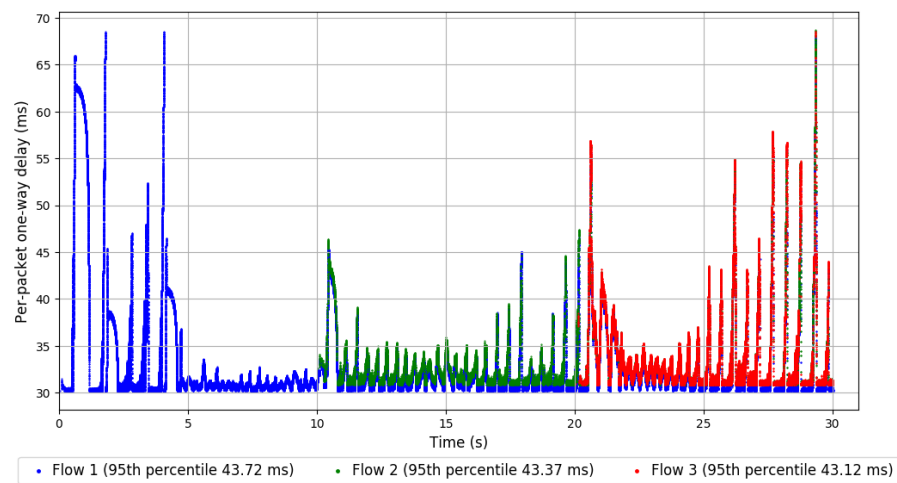
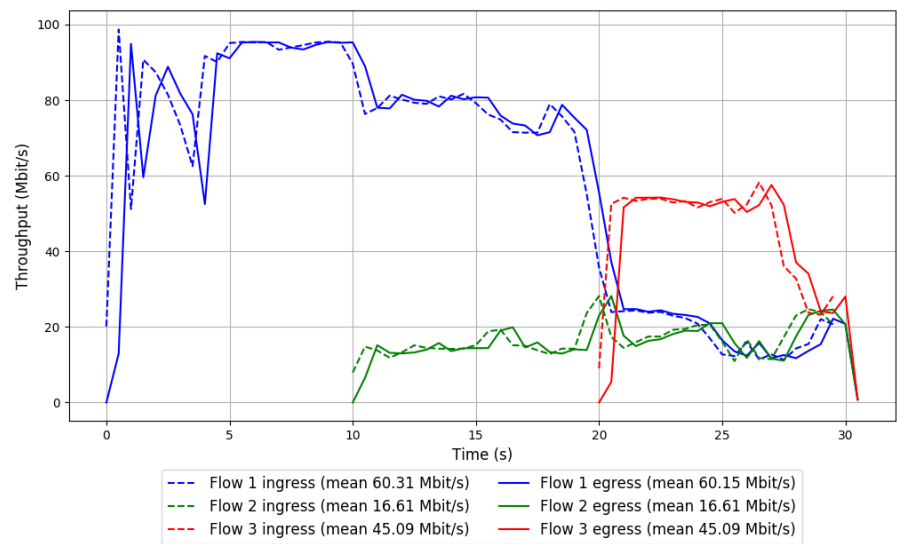


Run 3: Statistics of Copa

Start at: 2018-05-22 04:14:29
End at: 2018-05-22 04:14:59
Local clock offset: 0.792 ms
Remote clock offset: -7.025 ms

Below is generated by plot.py at 2018-05-22 07:00:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.20 Mbit/s
95th percentile per-packet one-way delay: 43.518 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 43.723 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 43.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.09 Mbit/s
95th percentile per-packet one-way delay: 43.121 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

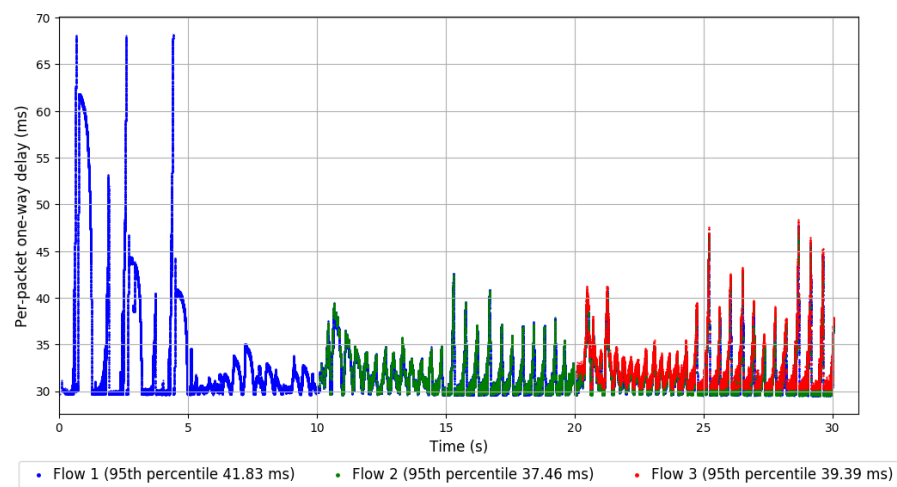
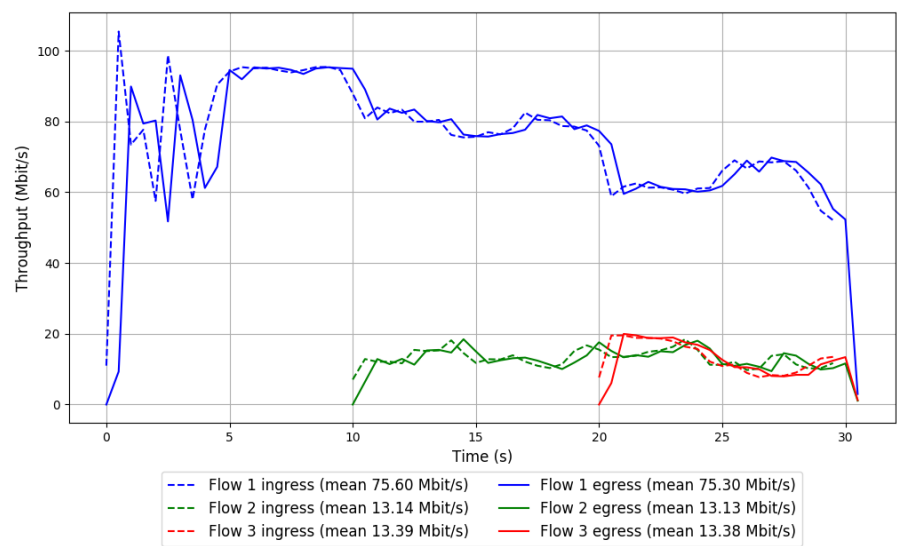


Run 4: Statistics of Copa

Start at: 2018-05-22 04:35:43
End at: 2018-05-22 04:36:13
Local clock offset: 0.806 ms
Remote clock offset: -1.109 ms

Below is generated by plot.py at 2018-05-22 07:00:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 40.670 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 75.30 Mbit/s
95th percentile per-packet one-way delay: 41.833 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 37.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 39.390 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-22 04:56:58

End at: 2018-05-22 04:57:28

Local clock offset: 0.8 ms

Remote clock offset: 2.174 ms

Below is generated by plot.py at 2018-05-22 07:00:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.46 Mbit/s

95th percentile per-packet one-way delay: 42.900 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 43.279 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 17.92 Mbit/s

95th percentile per-packet one-way delay: 43.483 ms

Loss rate: 0.25%

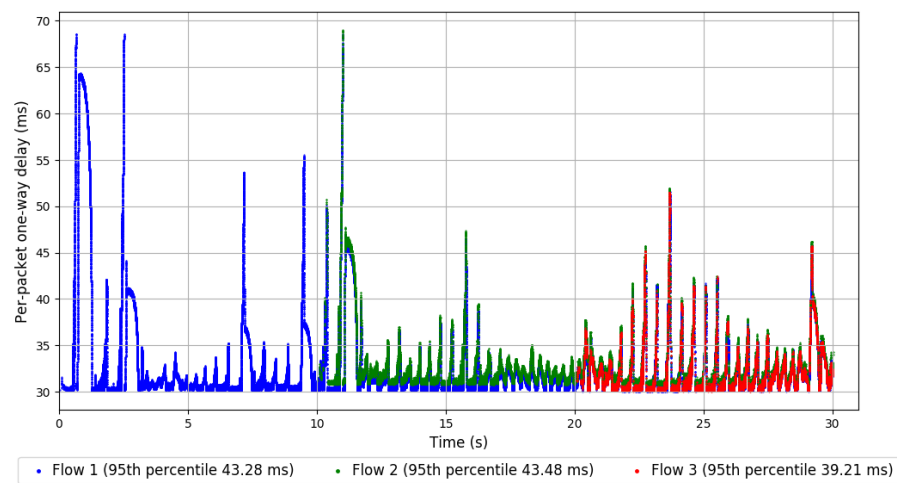
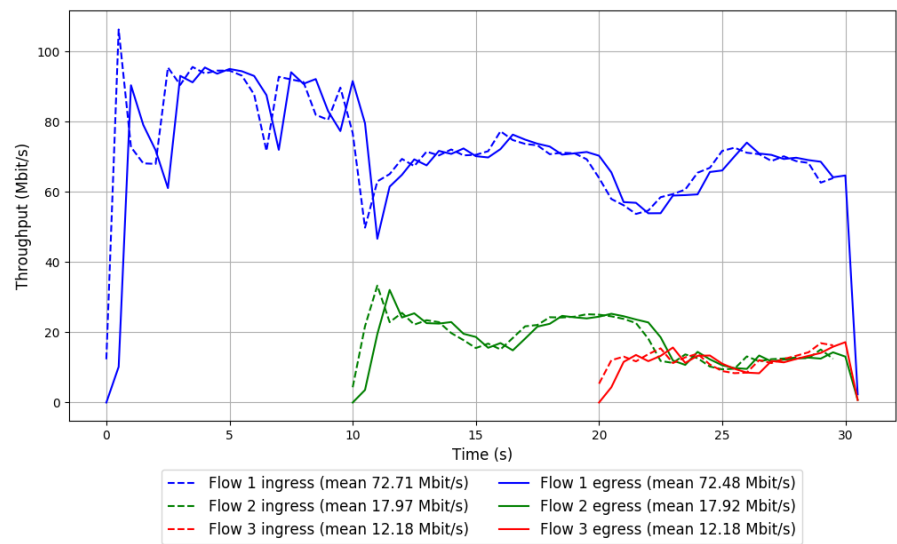
-- Flow 3:

Average throughput: 12.18 Mbit/s

95th percentile per-packet one-way delay: 39.209 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-22 05:18:15

End at: 2018-05-22 05:18:45

Local clock offset: 0.477 ms

Remote clock offset: 3.974 ms

Below is generated by plot.py at 2018-05-22 07:00:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.43 Mbit/s

95th percentile per-packet one-way delay: 49.947 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 61.28 Mbit/s

95th percentile per-packet one-way delay: 49.873 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 45.002 ms

Loss rate: 0.00%

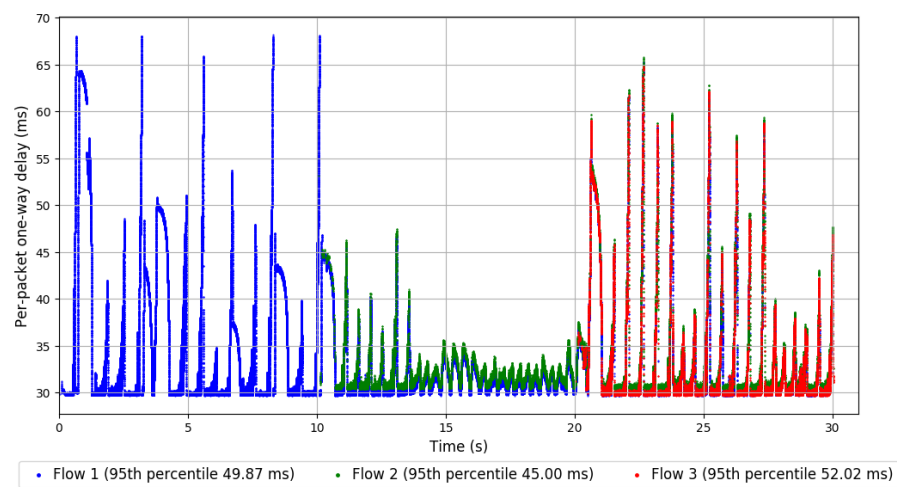
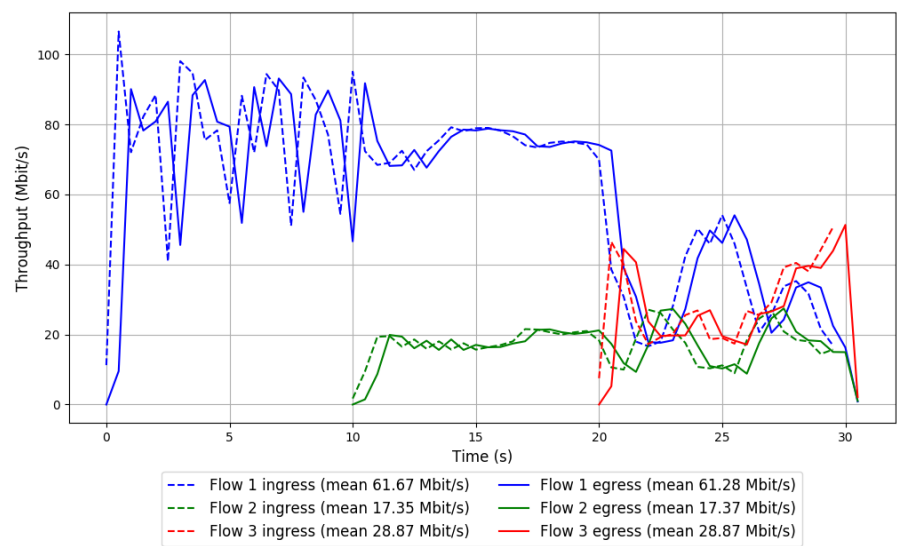
-- Flow 3:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 52.016 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-22 05:39:33

End at: 2018-05-22 05:40:03

Local clock offset: 1.269 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2018-05-22 07:01:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.74 Mbit/s

95th percentile per-packet one-way delay: 46.664 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 52.82 Mbit/s

95th percentile per-packet one-way delay: 49.391 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 44.428 ms

Loss rate: 0.20%

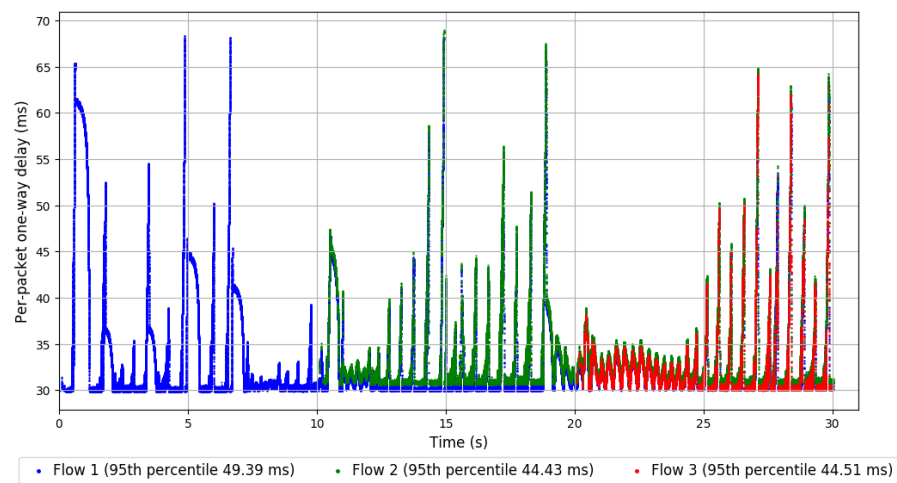
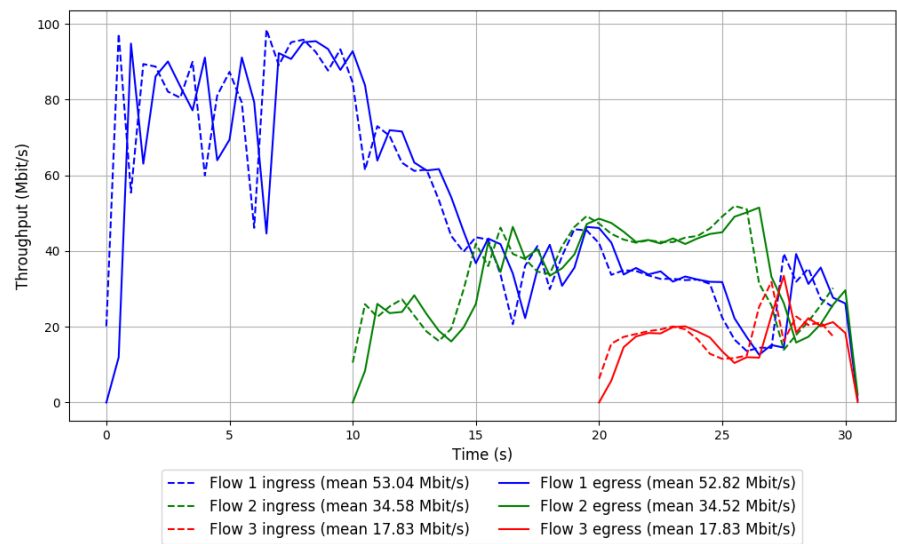
-- Flow 3:

Average throughput: 17.83 Mbit/s

95th percentile per-packet one-way delay: 44.511 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-22 06:01:40

End at: 2018-05-22 06:02:10

Local clock offset: 1.158 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-05-22 07:01:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 44.512 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 66.12 Mbit/s

95th percentile per-packet one-way delay: 46.649 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 26.34 Mbit/s

95th percentile per-packet one-way delay: 40.402 ms

Loss rate: 0.00%

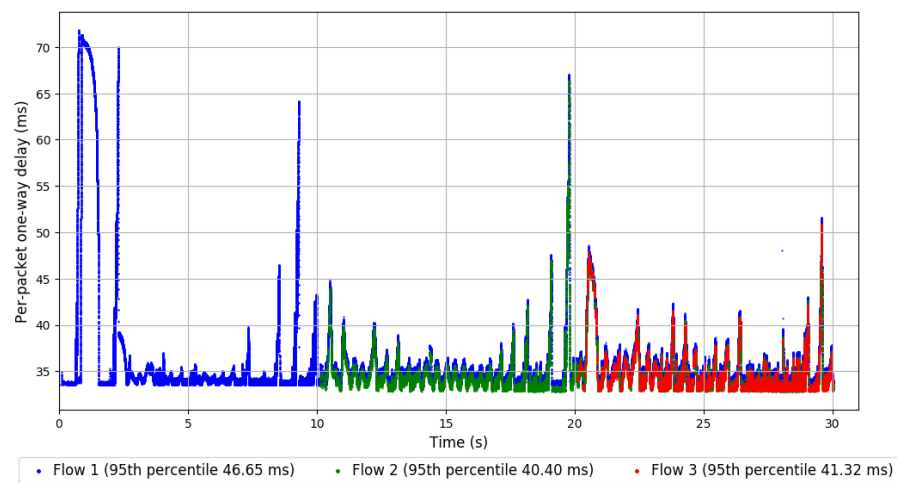
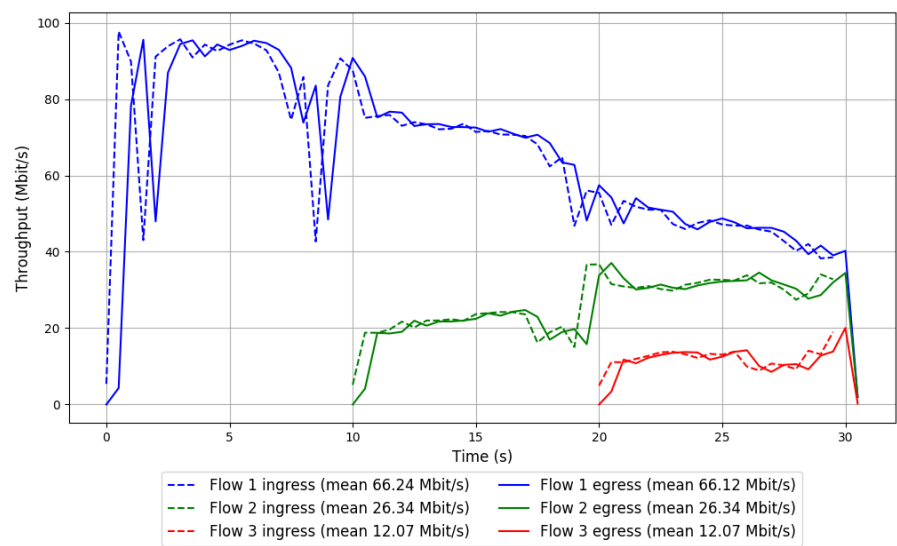
-- Flow 3:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 41.320 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-22 06:23:57

End at: 2018-05-22 06:24:27

Local clock offset: 0.724 ms

Remote clock offset: 6.322 ms

Below is generated by plot.py at 2018-05-22 07:02:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.34 Mbit/s

95th percentile per-packet one-way delay: 45.409 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 65.39 Mbit/s

95th percentile per-packet one-way delay: 46.816 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 15.54 Mbit/s

95th percentile per-packet one-way delay: 42.787 ms

Loss rate: 0.00%

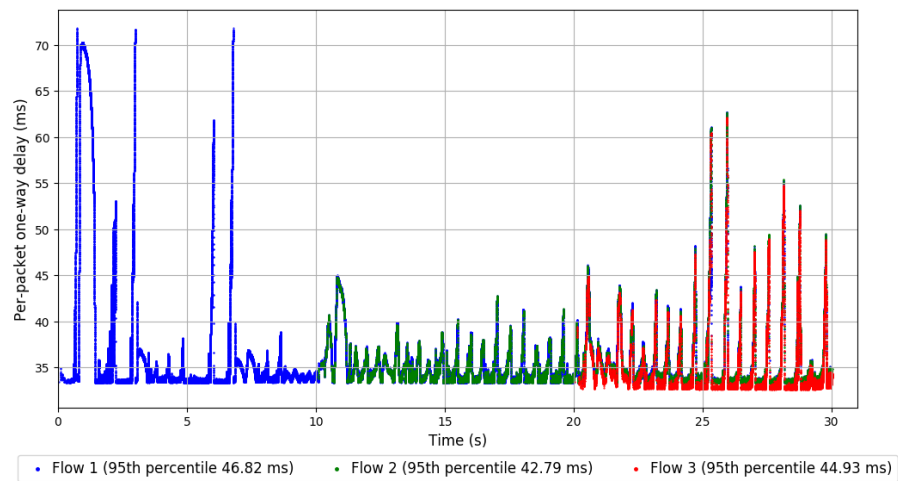
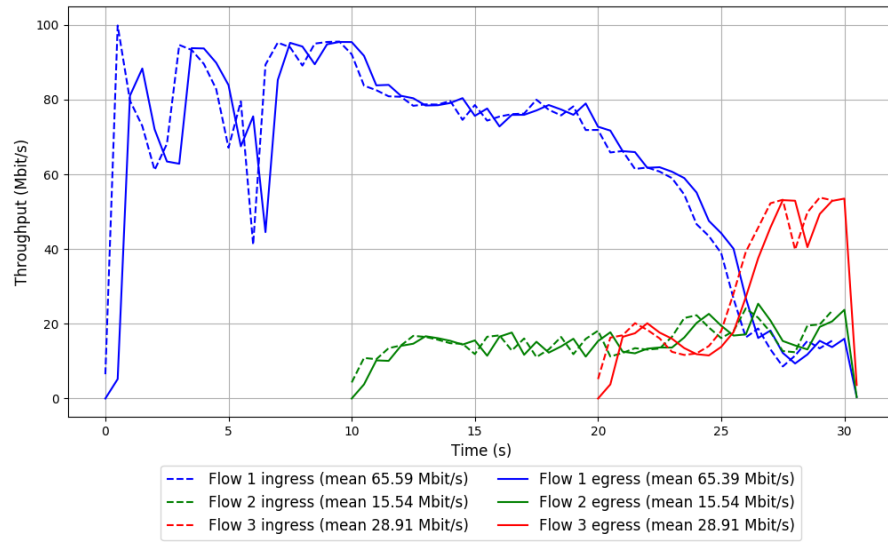
-- Flow 3:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 44.933 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 06:45:45

End at: 2018-05-22 06:46:15

Local clock offset: 0.496 ms

Remote clock offset: 6.849 ms

Below is generated by plot.py at 2018-05-22 07:02:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.96 Mbit/s

95th percentile per-packet one-way delay: 55.820 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 50.85 Mbit/s

95th percentile per-packet one-way delay: 59.018 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 52.319 ms

Loss rate: 0.17%

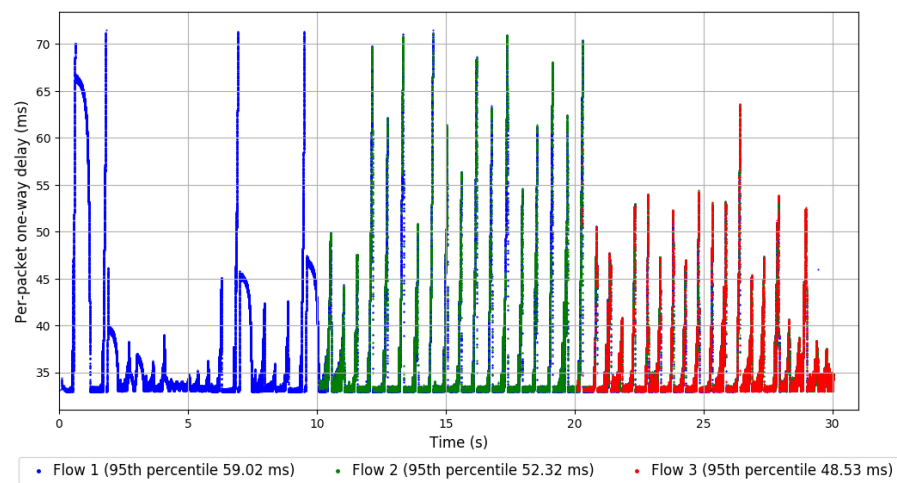
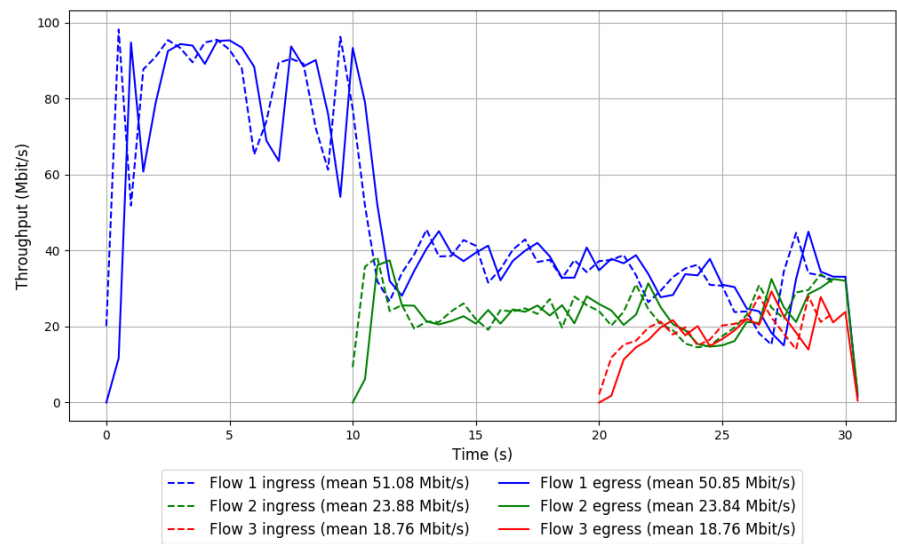
-- Flow 3:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 48.534 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

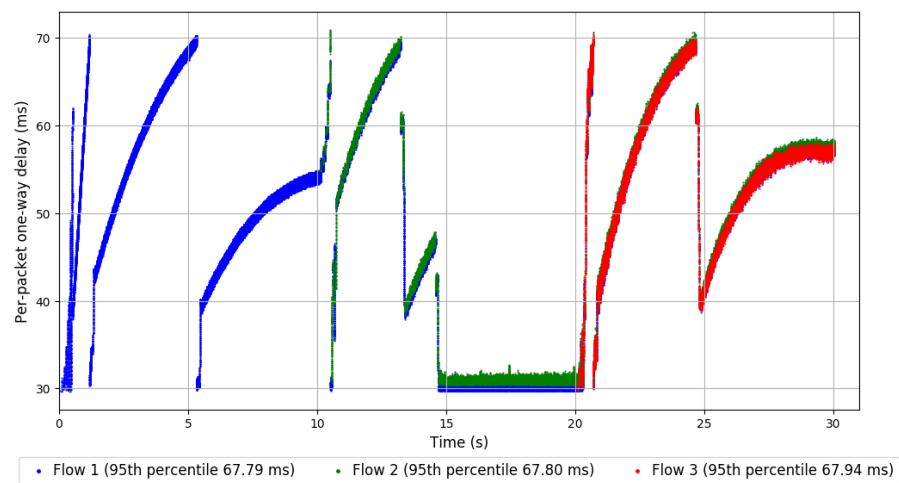
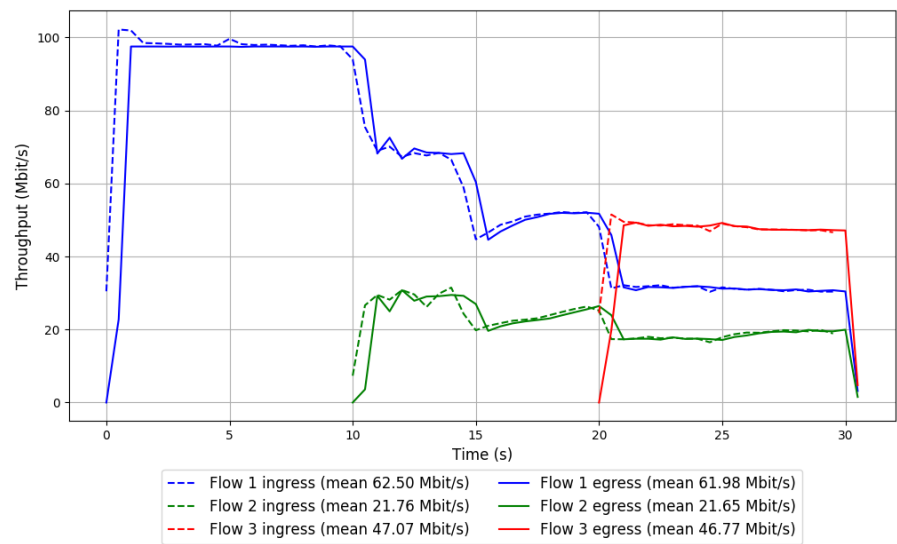


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 03:37:30
End at: 2018-05-22 03:38:00
Local clock offset: 1.638 ms
Remote clock offset: -3.522 ms

Below is generated by plot.py at 2018-05-22 07:02:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 67.815 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 67.792 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 67.796 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 67.943 ms
Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

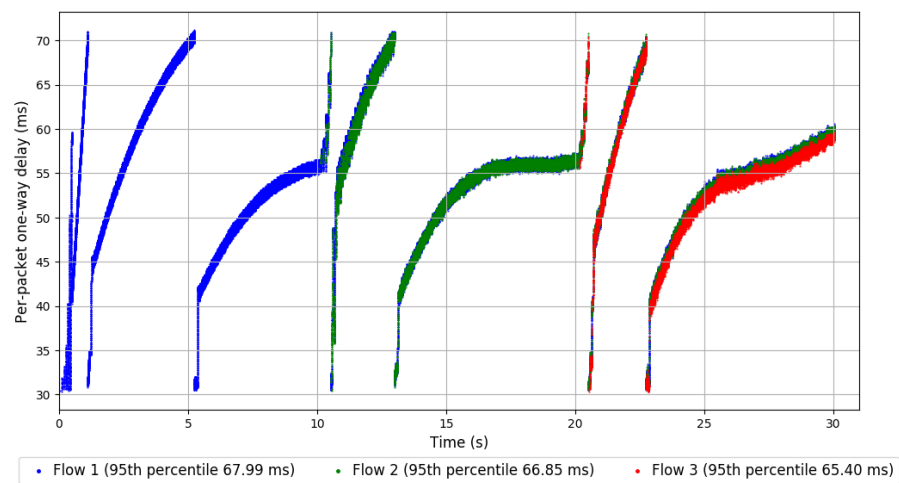
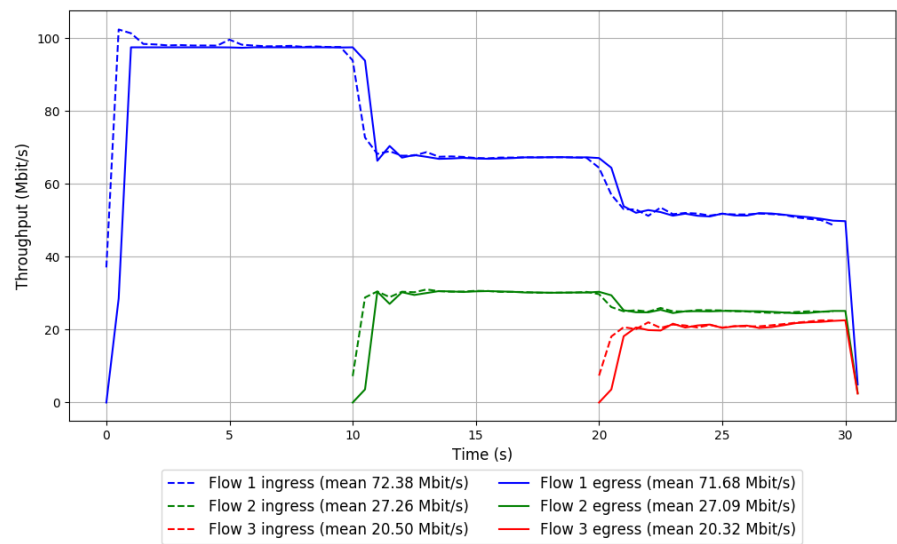


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 03:59:25
End at: 2018-05-22 03:59:55
Local clock offset: 1.336 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2018-05-22 07:02:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 67.714 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 67.991 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 66.854 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 65.398 ms
Loss rate: 0.87%

Run 2: Report of TCP Cubic — Data Link

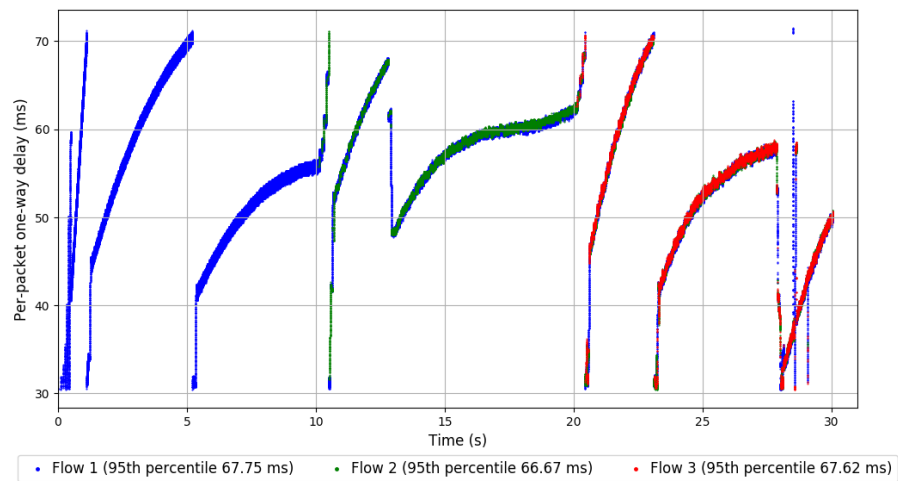
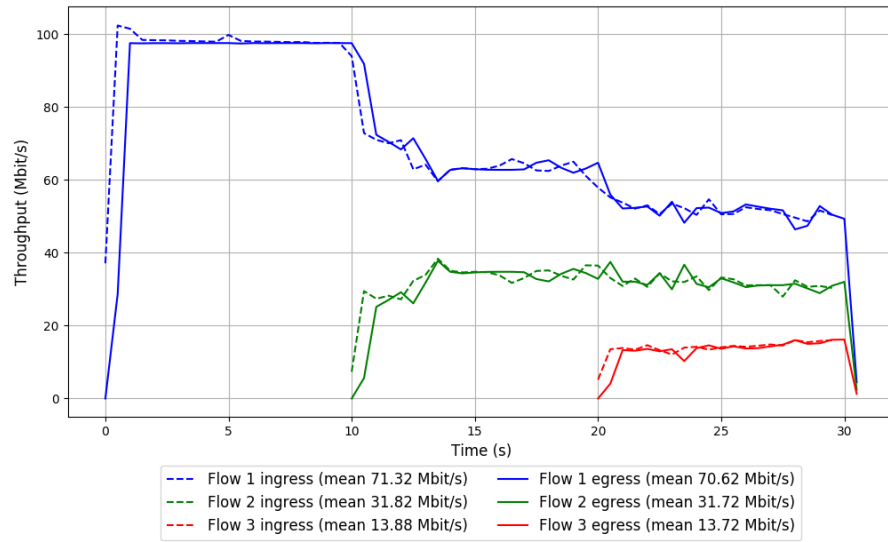


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 04:21:10
End at: 2018-05-22 04:21:40
Local clock offset: 0.608 ms
Remote clock offset: -8.148 ms

Below is generated by plot.py at 2018-05-22 07:02:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 67.478 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 70.62 Mbit/s
95th percentile per-packet one-way delay: 67.747 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 31.72 Mbit/s
95th percentile per-packet one-way delay: 66.671 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 67.617 ms
Loss rate: 1.34%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 04:42:24

End at: 2018-05-22 04:42:54

Local clock offset: 0.753 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-05-22 07:02:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 64.822 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 70.46 Mbit/s

95th percentile per-packet one-way delay: 64.588 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 65.765 ms

Loss rate: 0.42%

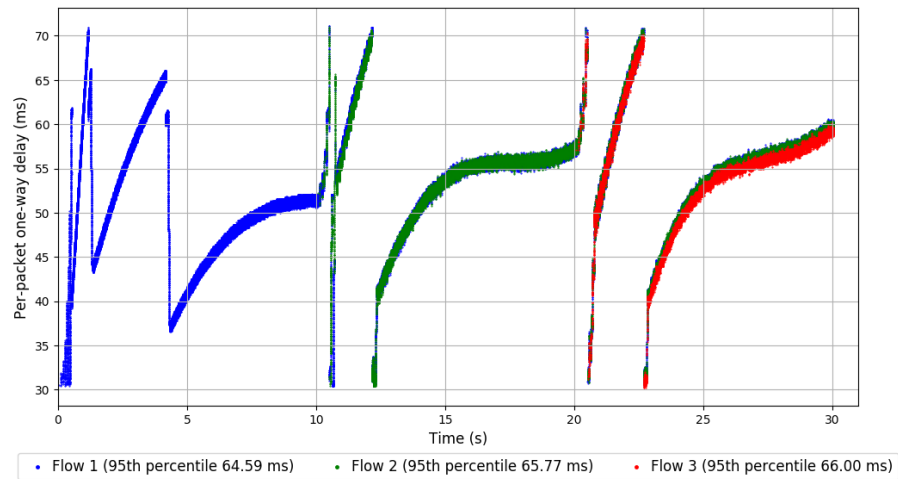
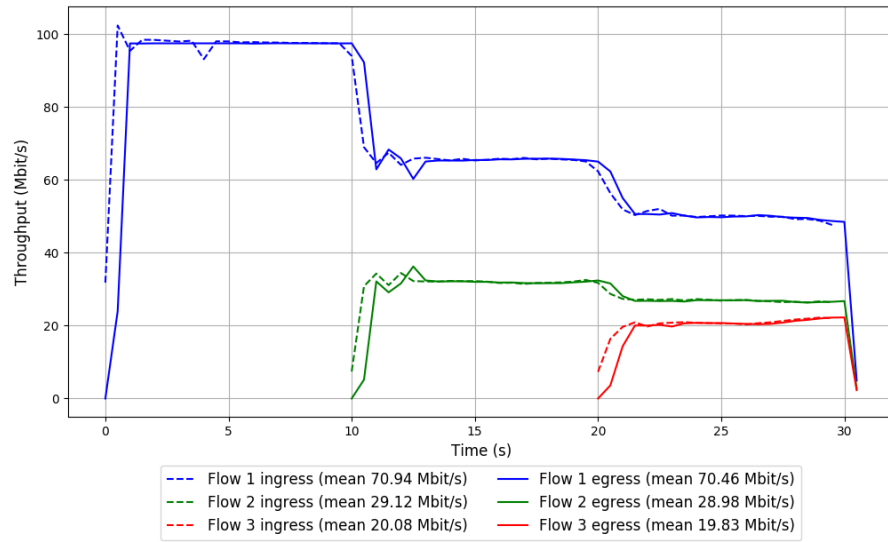
-- Flow 3:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 66.001 ms

Loss rate: 1.25%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 05:03:41

End at: 2018-05-22 05:04:11

Local clock offset: 0.586 ms

Remote clock offset: 0.647 ms

Below is generated by plot.py at 2018-05-22 07:02:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 65.639 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 70.34 Mbit/s

95th percentile per-packet one-way delay: 65.877 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 64.564 ms

Loss rate: 0.63%

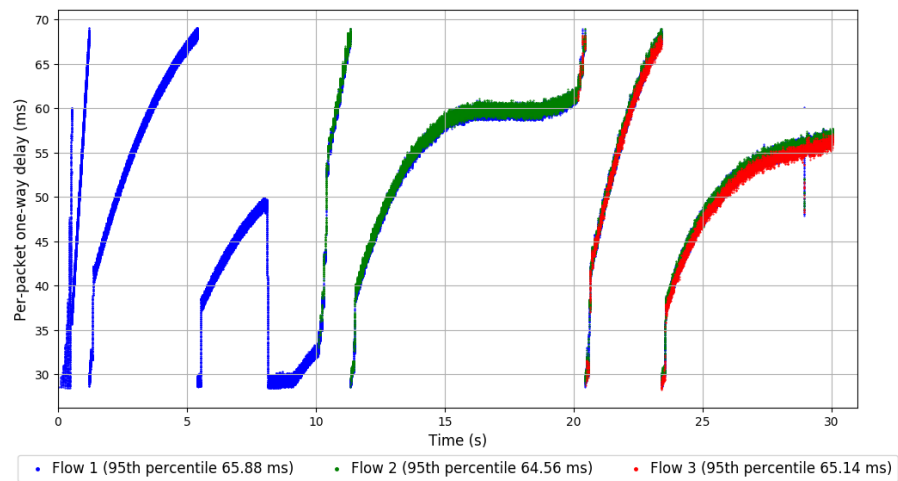
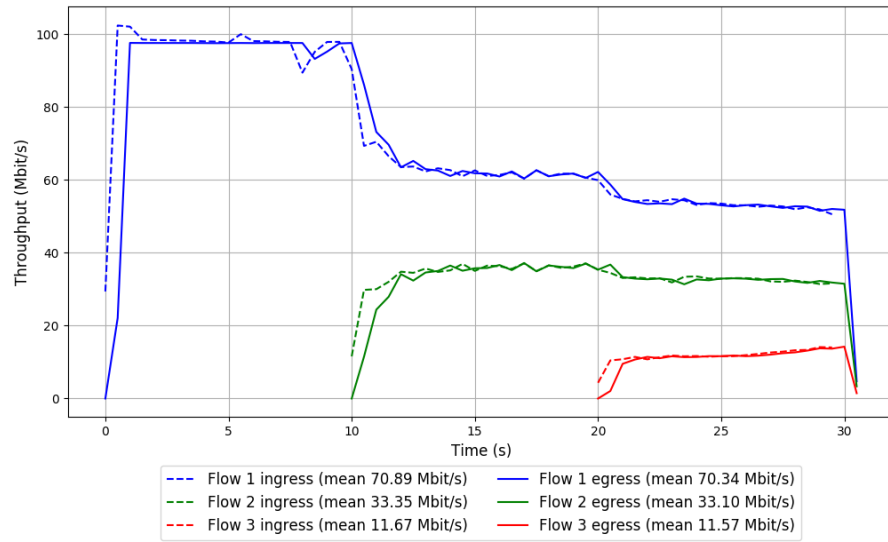
-- Flow 3:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 65.137 ms

Loss rate: 0.93%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 05:24:57

End at: 2018-05-22 05:25:27

Local clock offset: 0.439 ms

Remote clock offset: 2.466 ms

Below is generated by plot.py at 2018-05-22 07:02:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 65.749 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 70.96 Mbit/s

95th percentile per-packet one-way delay: 65.756 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 26.98 Mbit/s

95th percentile per-packet one-way delay: 66.612 ms

Loss rate: 0.83%

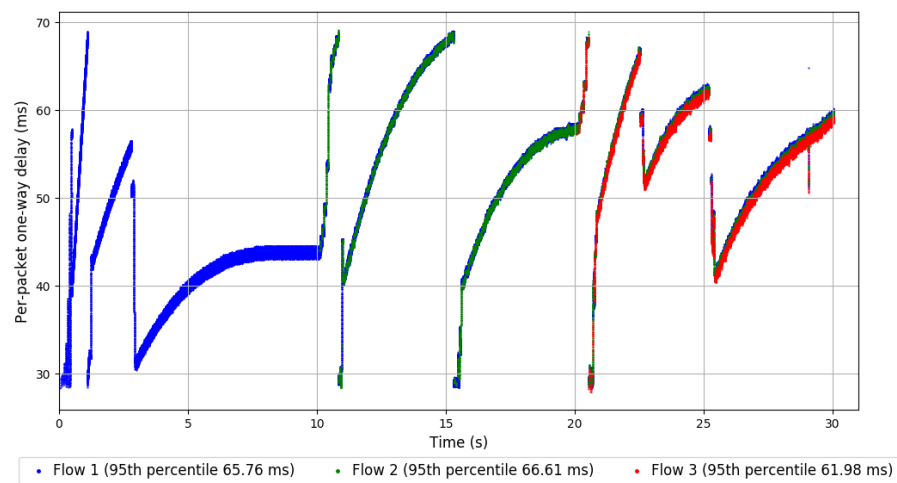
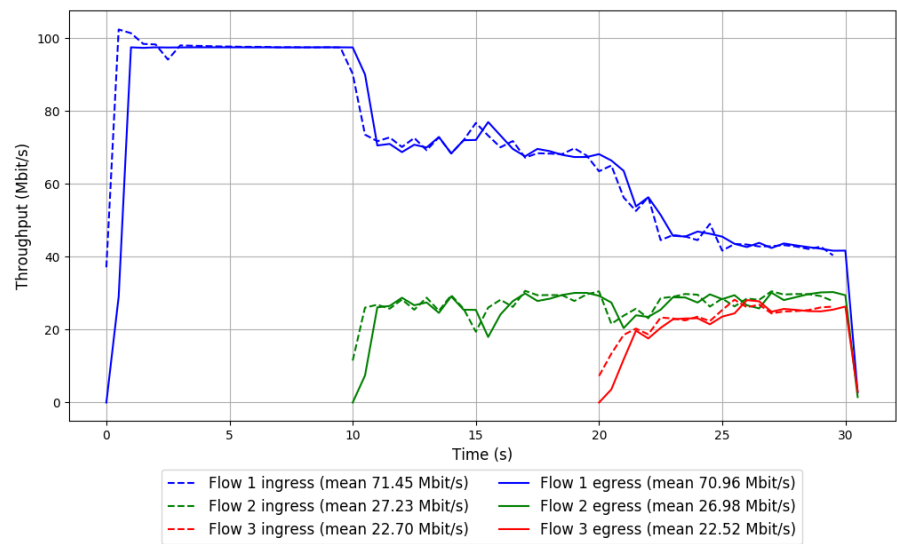
-- Flow 3:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 61.985 ms

Loss rate: 0.77%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 05:46:14

End at: 2018-05-22 05:46:44

Local clock offset: 1.421 ms

Remote clock offset: 2.744 ms

Below is generated by plot.py at 2018-05-22 07:02:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 70.879 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 71.02 Mbit/s

95th percentile per-packet one-way delay: 71.073 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 70.987 ms

Loss rate: 0.68%

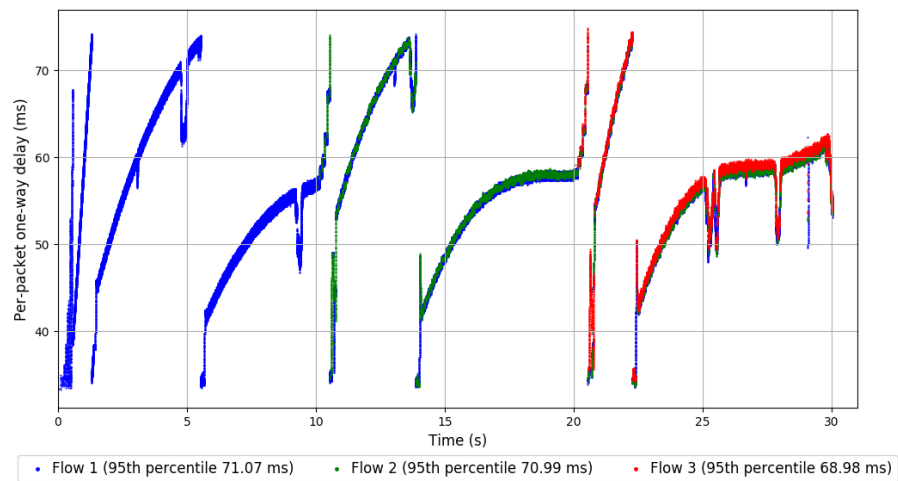
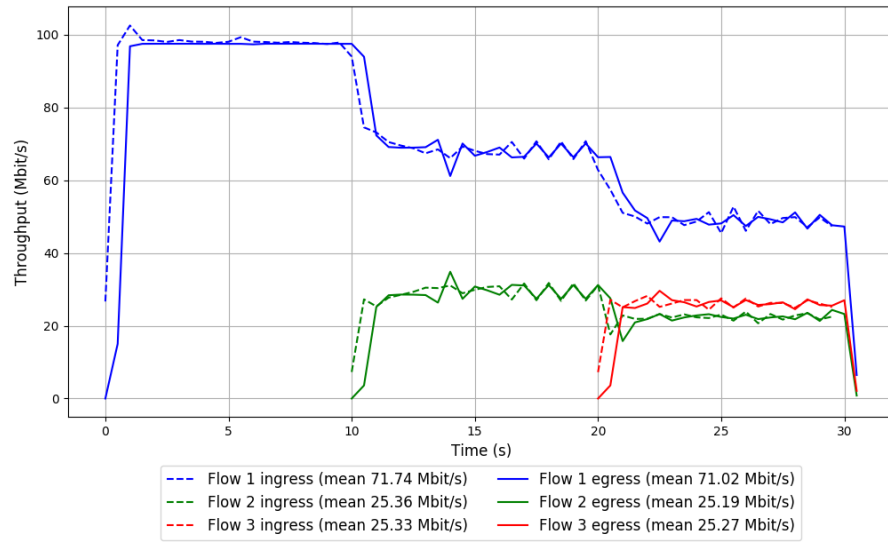
-- Flow 3:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 68.980 ms

Loss rate: 0.27%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 06:08:45

End at: 2018-05-22 06:09:15

Local clock offset: 0.914 ms

Remote clock offset: 2.3 ms

Below is generated by plot.py at 2018-05-22 07:02:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 70.469 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 70.913 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 27.98 Mbit/s

95th percentile per-packet one-way delay: 68.539 ms

Loss rate: 0.80%

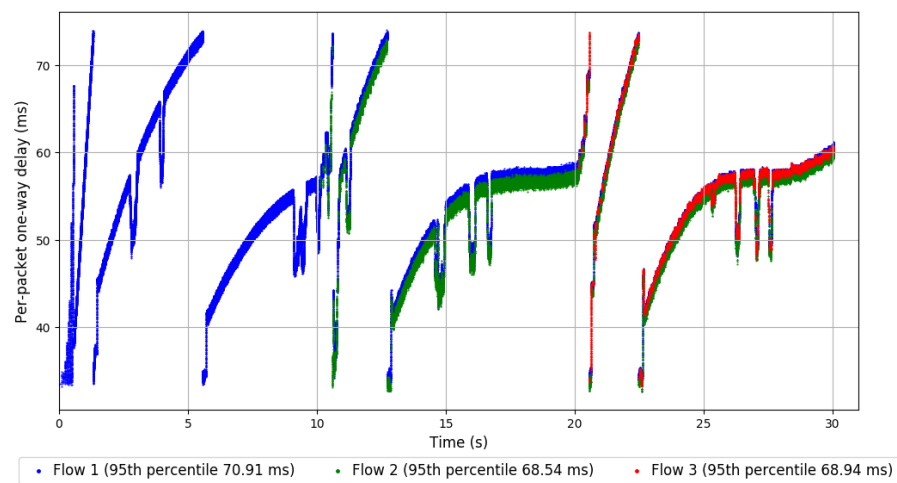
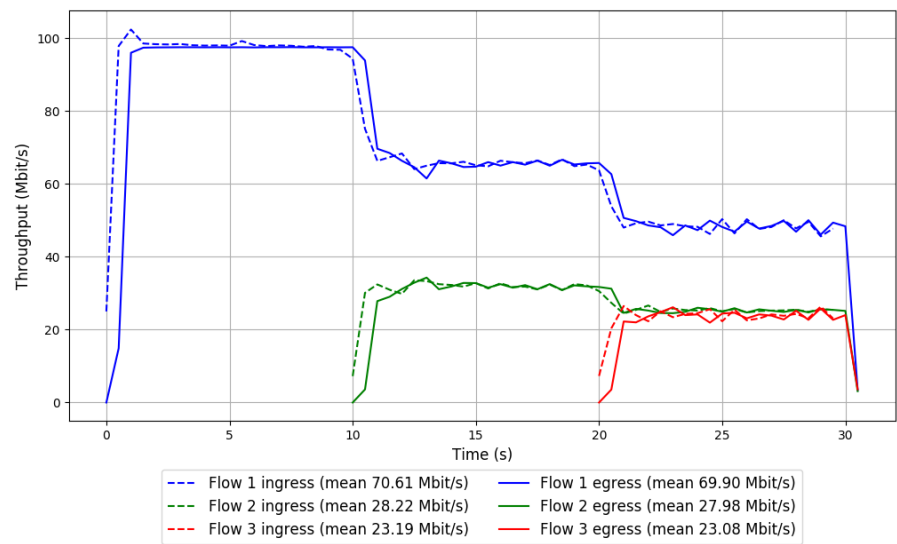
-- Flow 3:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 68.936 ms

Loss rate: 0.46%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 06:30:57

End at: 2018-05-22 06:31:27

Local clock offset: 0.677 ms

Remote clock offset: 7.126 ms

Below is generated by plot.py at 2018-05-22 07:02:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 70.637 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 71.13 Mbit/s

95th percentile per-packet one-way delay: 70.734 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 70.577 ms

Loss rate: 0.95%

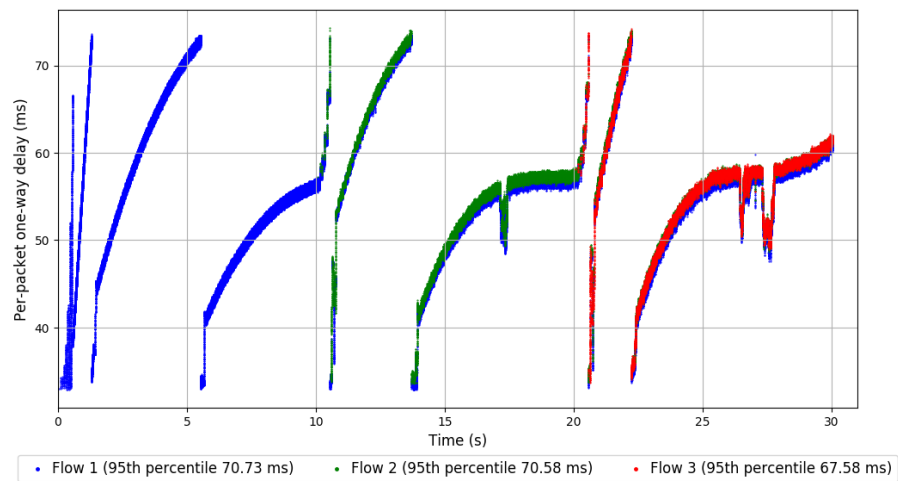
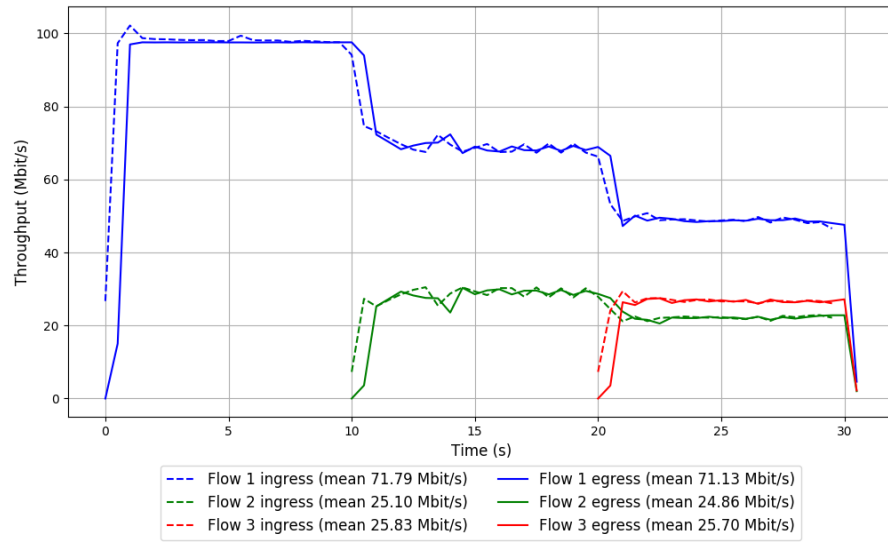
-- Flow 3:

Average throughput: 25.70 Mbit/s

95th percentile per-packet one-way delay: 67.580 ms

Loss rate: 0.48%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 06:52:27

End at: 2018-05-22 06:52:57

Local clock offset: 0.528 ms

Remote clock offset: 3.428 ms

Below is generated by plot.py at 2018-05-22 07:02:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 67.349 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 69.58 Mbit/s

95th percentile per-packet one-way delay: 68.030 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 28.20 Mbit/s

95th percentile per-packet one-way delay: 65.442 ms

Loss rate: 0.33%

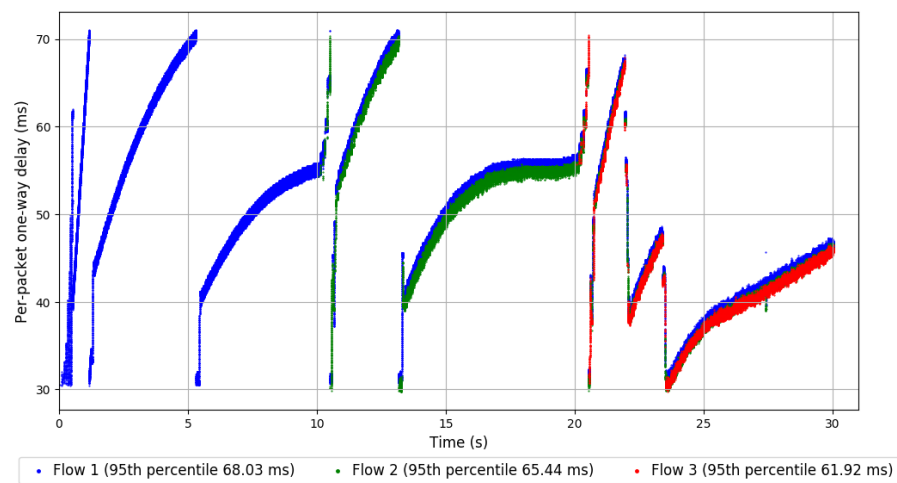
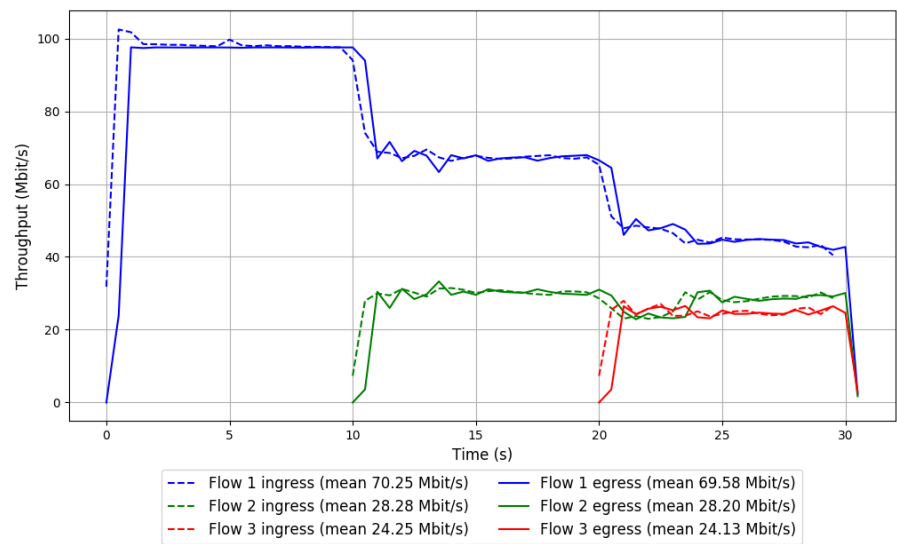
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 61.924 ms

Loss rate: 0.59%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-22 03:20:20

End at: 2018-05-22 03:20:50

Local clock offset: 1.814 ms

Remote clock offset: 1.979 ms

Below is generated by plot.py at 2018-05-22 07:03:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 70.300 ms

Loss rate: 26.67%

-- Flow 1:

Average throughput: 59.71 Mbit/s

95th percentile per-packet one-way delay: 69.676 ms

Loss rate: 20.80%

-- Flow 2:

Average throughput: 37.72 Mbit/s

95th percentile per-packet one-way delay: 76.679 ms

Loss rate: 31.89%

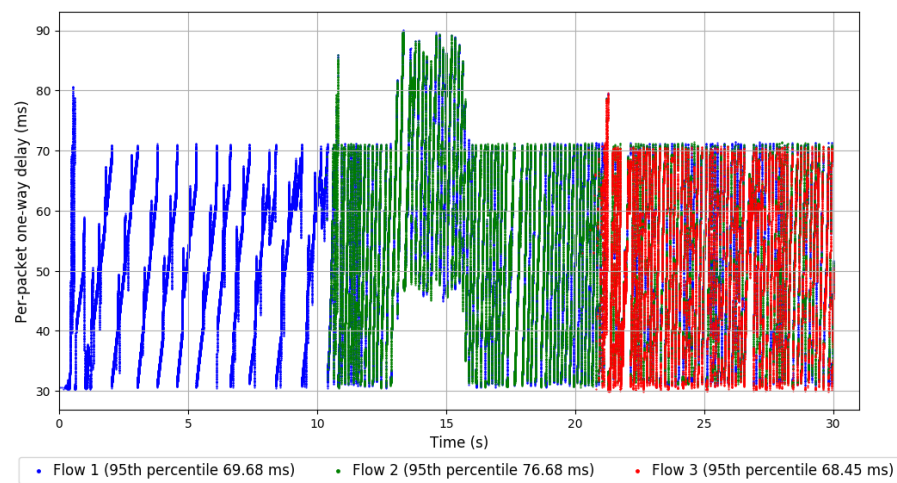
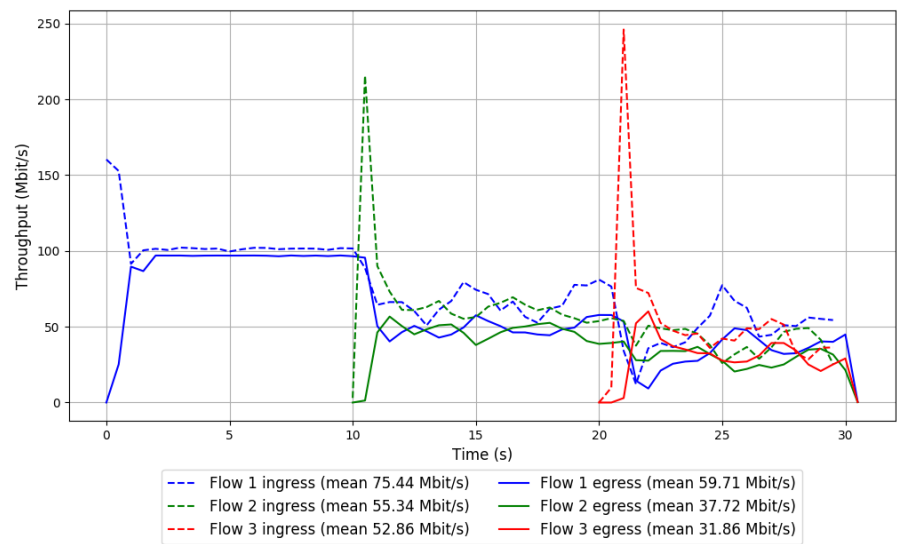
-- Flow 3:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 68.454 ms

Loss rate: 40.97%

Run 1: Report of FillP — Data Link

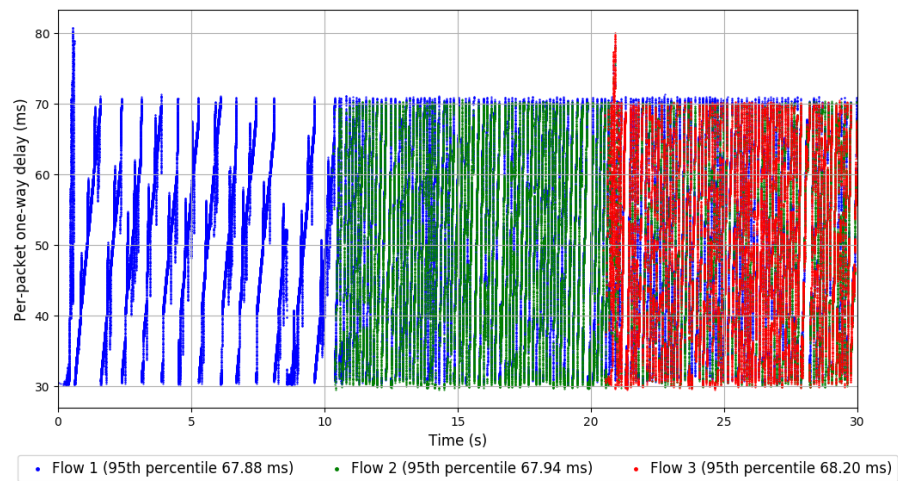
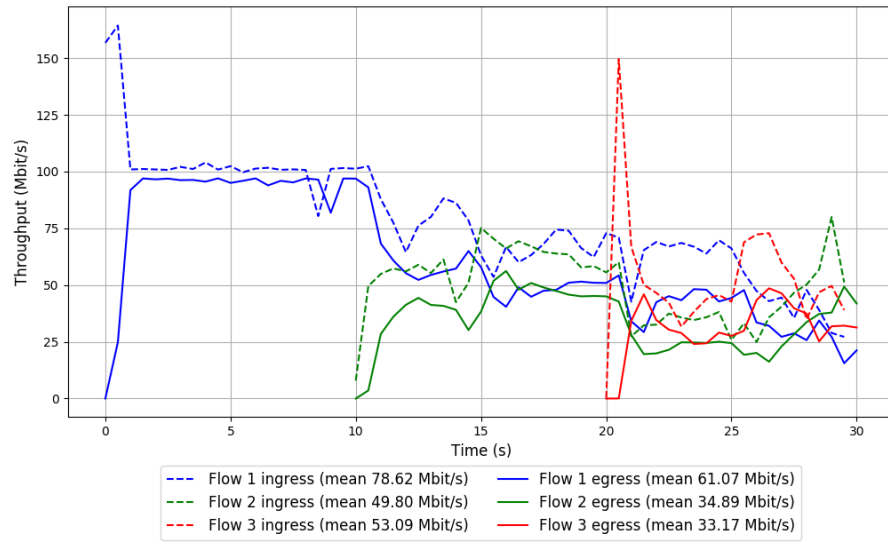


Run 2: Statistics of FillP

Start at: 2018-05-22 03:41:32
End at: 2018-05-22 03:42:02
Local clock offset: 1.591 ms
Remote clock offset: -4.094 ms

Below is generated by plot.py at 2018-05-22 07:03:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 67.936 ms
Loss rate: 26.54%
-- Flow 1:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 67.877 ms
Loss rate: 22.32%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 67.938 ms
Loss rate: 30.02%
-- Flow 3:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 68.197 ms
Loss rate: 38.86%

Run 2: Report of FillP — Data Link

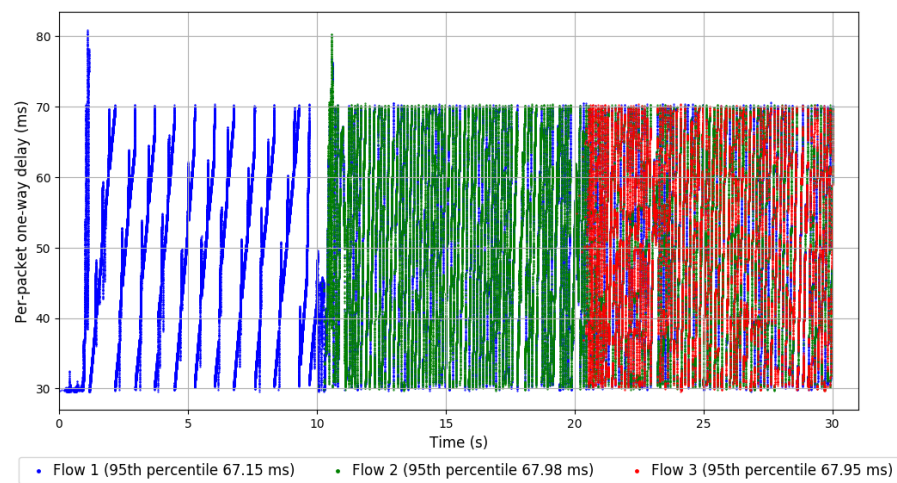
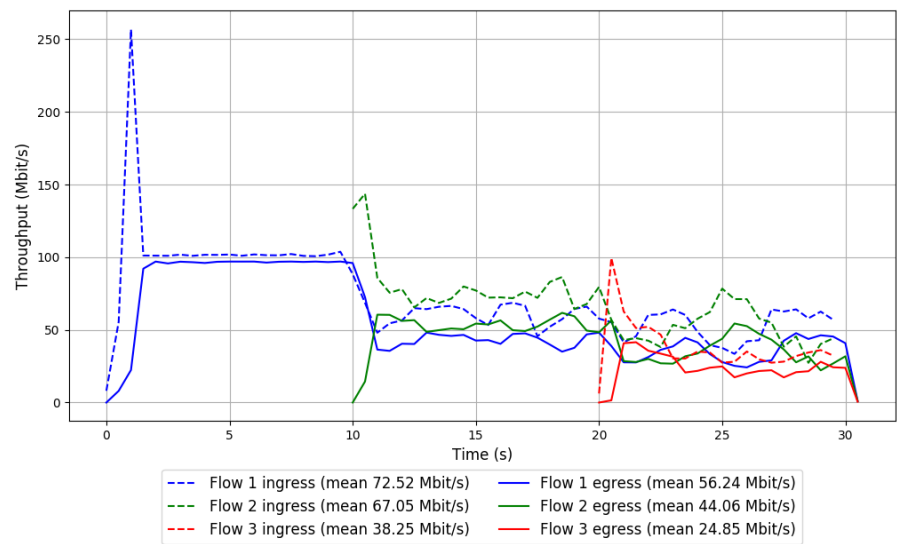


Run 3: Statistics of FillP

Start at: 2018-05-22 04:03:29
End at: 2018-05-22 04:03:59
Local clock offset: 1.14 ms
Remote clock offset: -6.344 ms

Below is generated by plot.py at 2018-05-22 07:04:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 67.519 ms
Loss rate: 27.67%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 67.146 ms
Loss rate: 22.38%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 67.981 ms
Loss rate: 34.20%
-- Flow 3:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 67.947 ms
Loss rate: 34.97%

Run 3: Report of FillP — Data Link

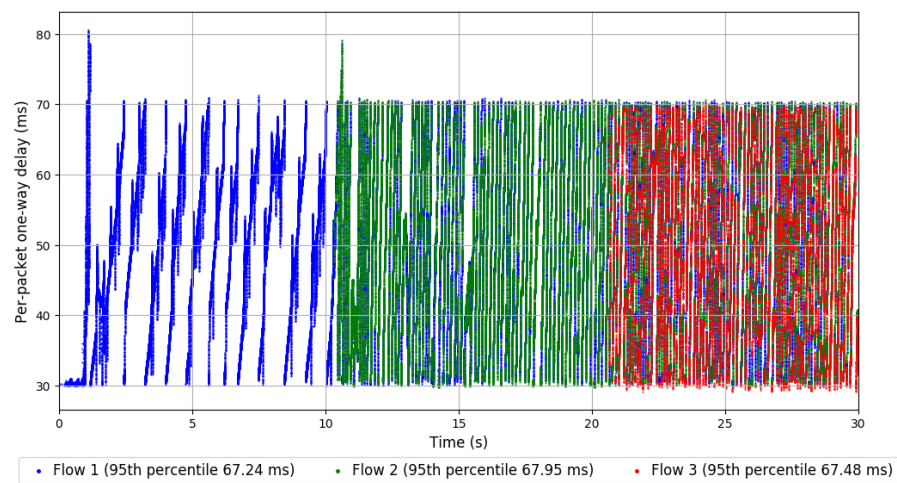
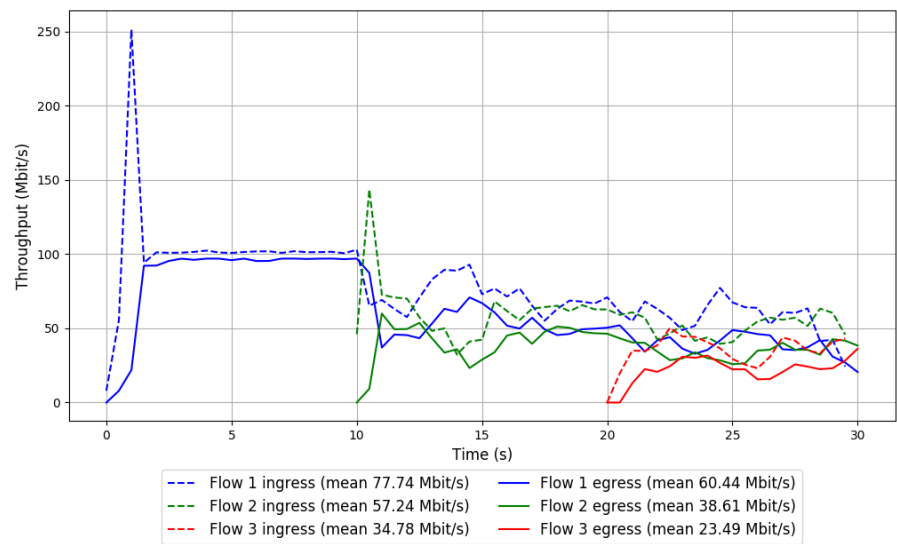


Run 4: Statistics of FillP

Start at: 2018-05-22 04:25:13
End at: 2018-05-22 04:25:43
Local clock offset: 0.648 ms
Remote clock offset: -6.096 ms

Below is generated by plot.py at 2018-05-22 07:04:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 67.514 ms
Loss rate: 26.37%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 67.240 ms
Loss rate: 22.24%
-- Flow 2:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 67.951 ms
Loss rate: 32.54%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 67.478 ms
Loss rate: 33.85%

Run 4: Report of FillP — Data Link

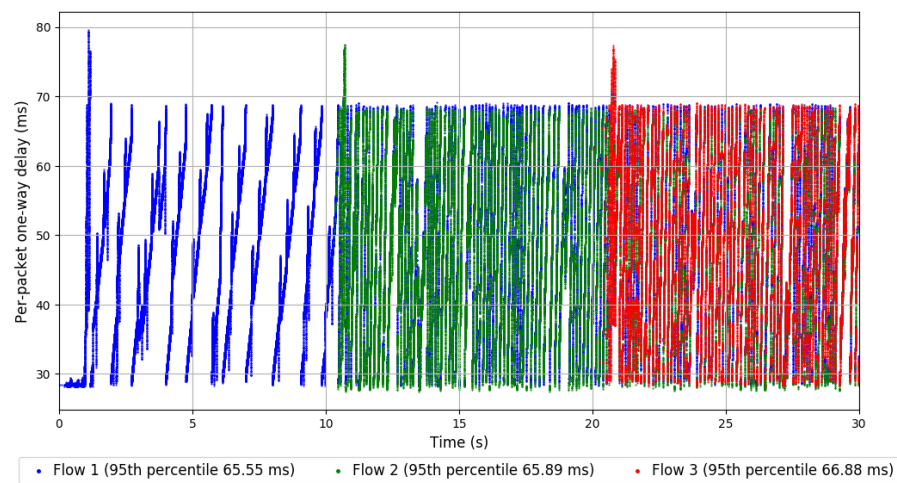
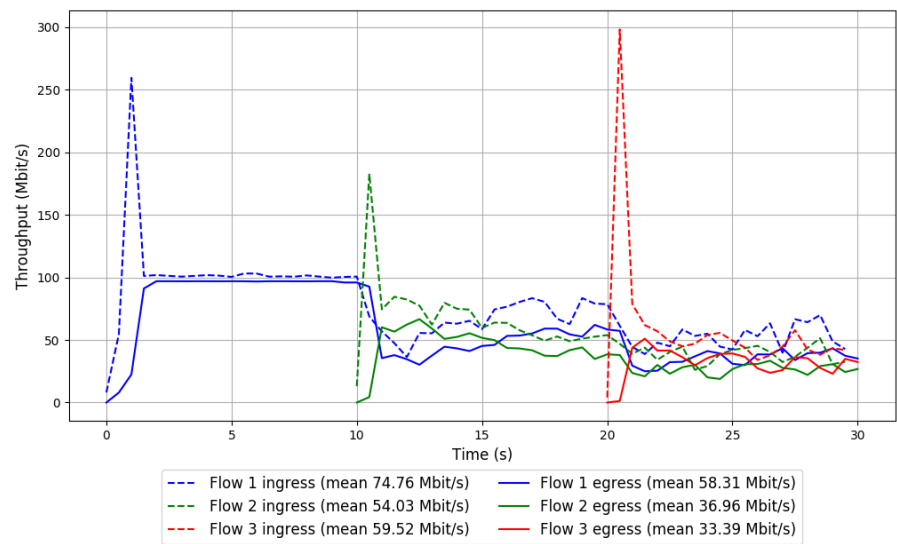


Run 5: Statistics of FillP

Start at: 2018-05-22 04:46:27
End at: 2018-05-22 04:46:57
Local clock offset: 0.84 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-05-22 07:04:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 65.832 ms
Loss rate: 27.99%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 65.548 ms
Loss rate: 21.99%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 65.890 ms
Loss rate: 31.62%
-- Flow 3:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 66.878 ms
Loss rate: 44.07%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-22 05:07:44

End at: 2018-05-22 05:08:14

Local clock offset: 0.637 ms

Remote clock offset: 3.577 ms

Below is generated by plot.py at 2018-05-22 07:04:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 68.162 ms

Loss rate: 27.42%

-- Flow 1:

Average throughput: 60.76 Mbit/s

95th percentile per-packet one-way delay: 68.026 ms

Loss rate: 21.23%

-- Flow 2:

Average throughput: 34.87 Mbit/s

95th percentile per-packet one-way delay: 68.241 ms

Loss rate: 34.11%

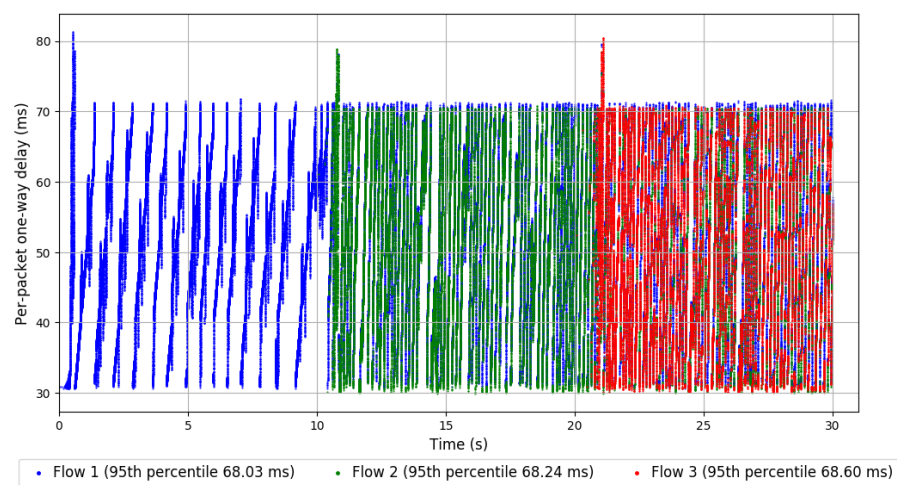
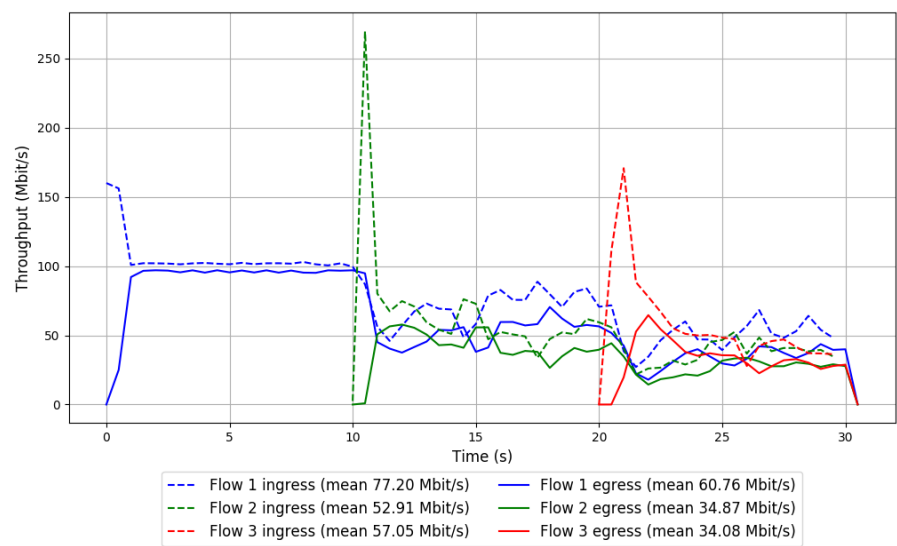
-- Flow 3:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 68.598 ms

Loss rate: 40.24%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-22 05:29:01

End at: 2018-05-22 05:29:31

Local clock offset: 0.729 ms

Remote clock offset: 2.752 ms

Below is generated by plot.py at 2018-05-22 07:04:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 65.984 ms

Loss rate: 27.27%

-- Flow 1:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 65.794 ms

Loss rate: 21.29%

-- Flow 2:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 66.314 ms

Loss rate: 32.16%

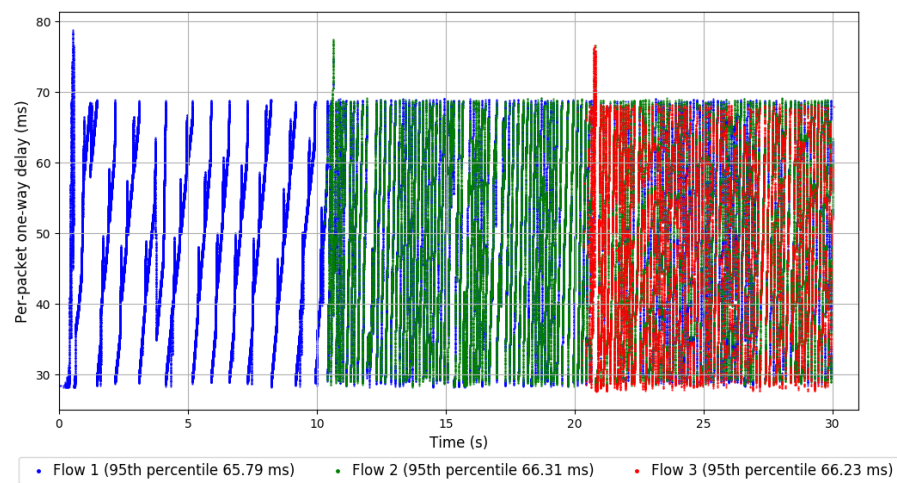
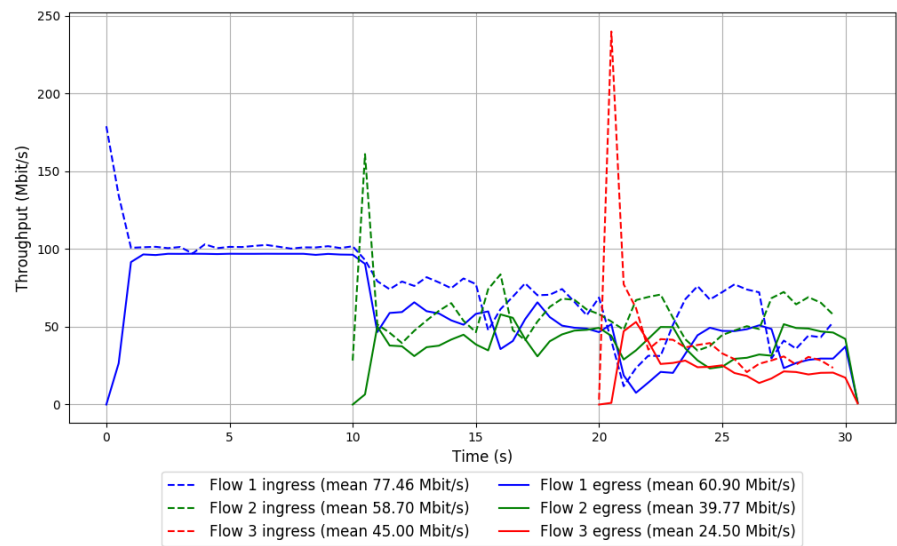
-- Flow 3:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 66.226 ms

Loss rate: 45.56%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 05:50:38

End at: 2018-05-22 05:51:08

Local clock offset: 1.459 ms

Remote clock offset: 2.087 ms

Below is generated by plot.py at 2018-05-22 07:04:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 71.832 ms

Loss rate: 27.85%

-- Flow 1:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 71.838 ms

Loss rate: 21.69%

-- Flow 2:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 71.759 ms

Loss rate: 32.37%

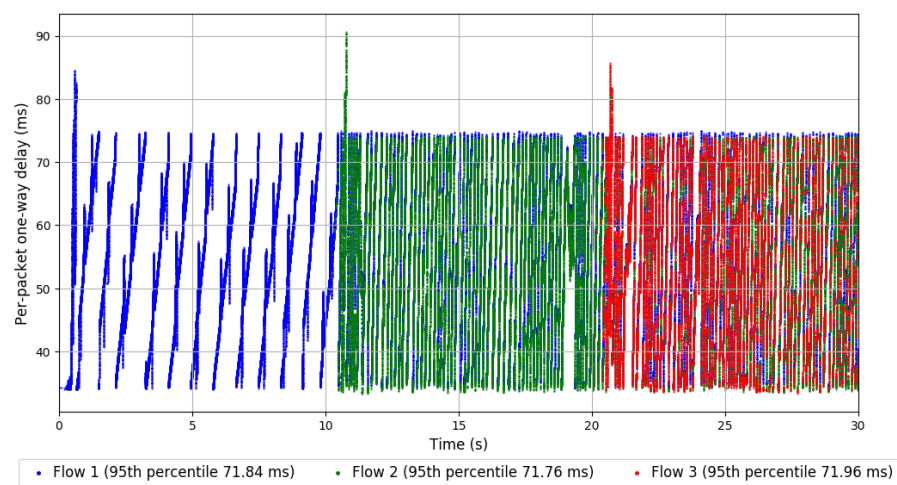
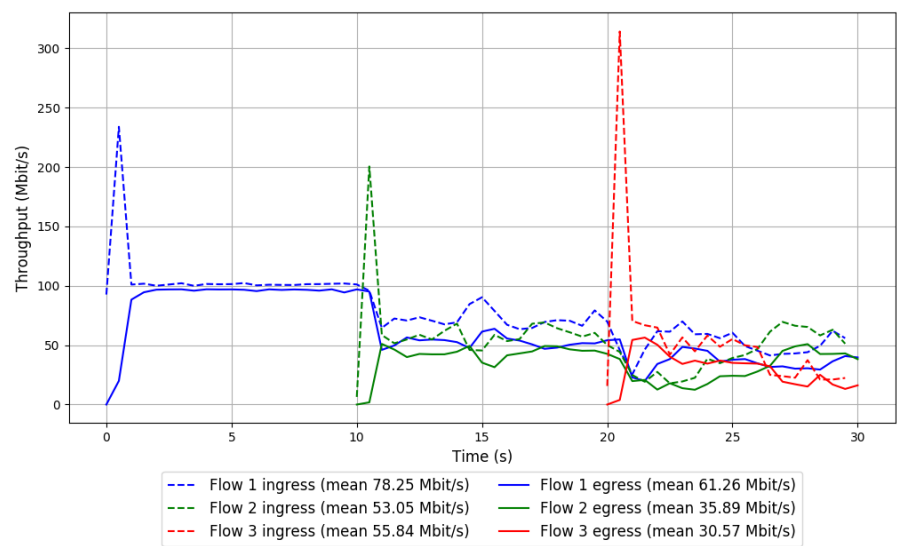
-- Flow 3:

Average throughput: 30.57 Mbit/s

95th percentile per-packet one-way delay: 71.963 ms

Loss rate: 45.23%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 06:13:08

End at: 2018-05-22 06:13:38

Local clock offset: 0.83 ms

Remote clock offset: 4.162 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 70.538 ms

Loss rate: 26.71%

-- Flow 1:

Average throughput: 60.04 Mbit/s

95th percentile per-packet one-way delay: 69.801 ms

Loss rate: 21.17%

-- Flow 2:

Average throughput: 36.82 Mbit/s

95th percentile per-packet one-way delay: 71.521 ms

Loss rate: 31.56%

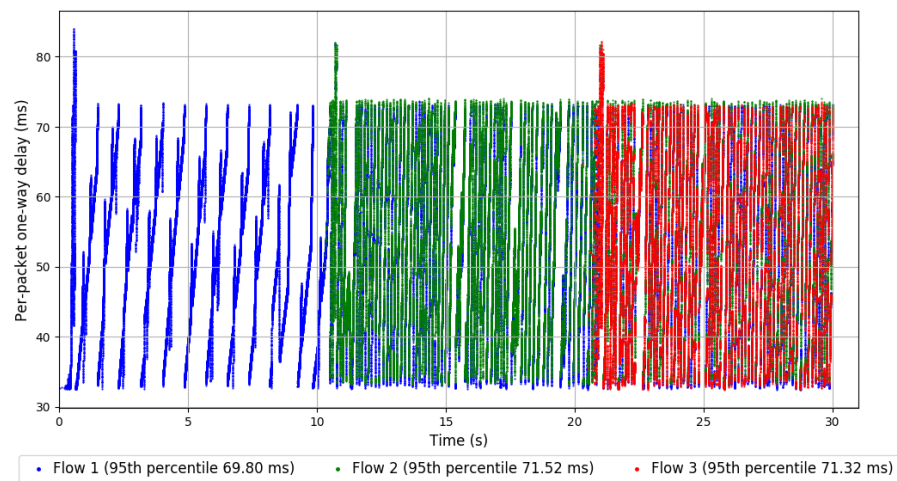
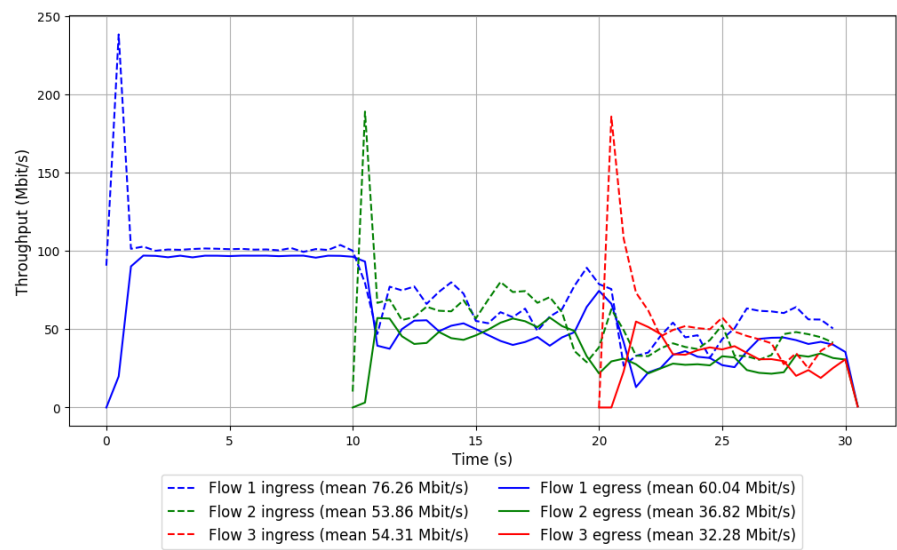
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 71.317 ms

Loss rate: 40.52%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 06:35:06

End at: 2018-05-22 06:35:36

Local clock offset: 0.656 ms

Remote clock offset: 7.434 ms

Below is generated by plot.py at 2018-05-22 07:05:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 70.883 ms

Loss rate: 24.55%

-- Flow 1:

Average throughput: 62.09 Mbit/s

95th percentile per-packet one-way delay: 70.864 ms

Loss rate: 19.58%

-- Flow 2:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 70.908 ms

Loss rate: 30.31%

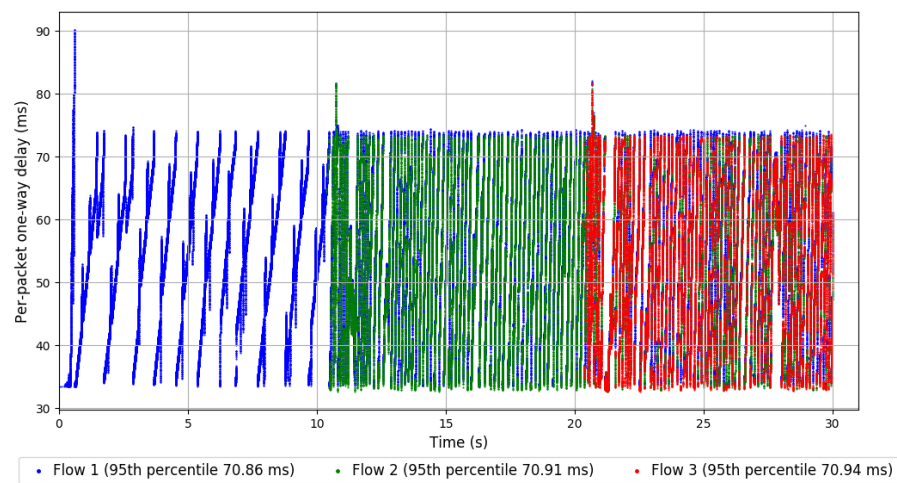
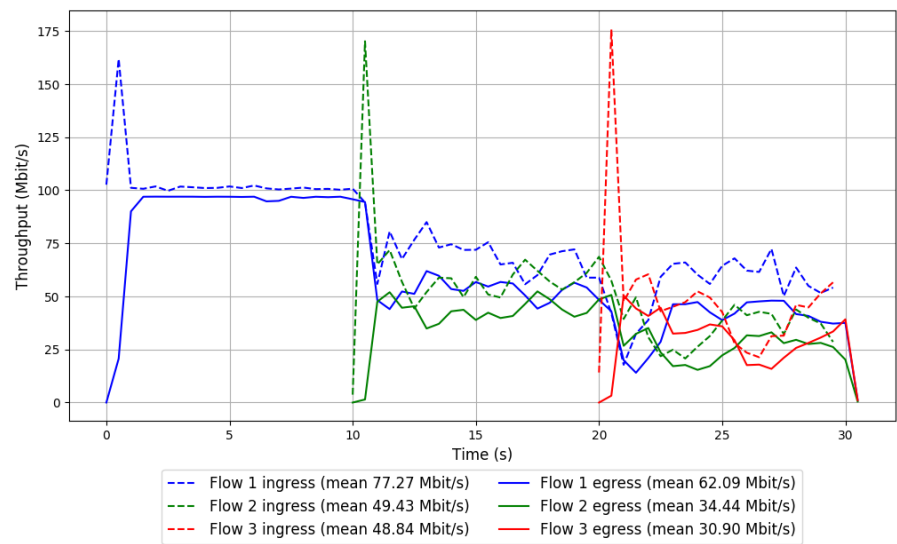
-- Flow 3:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 70.938 ms

Loss rate: 36.56%

Run 10: Report of FillP — Data Link

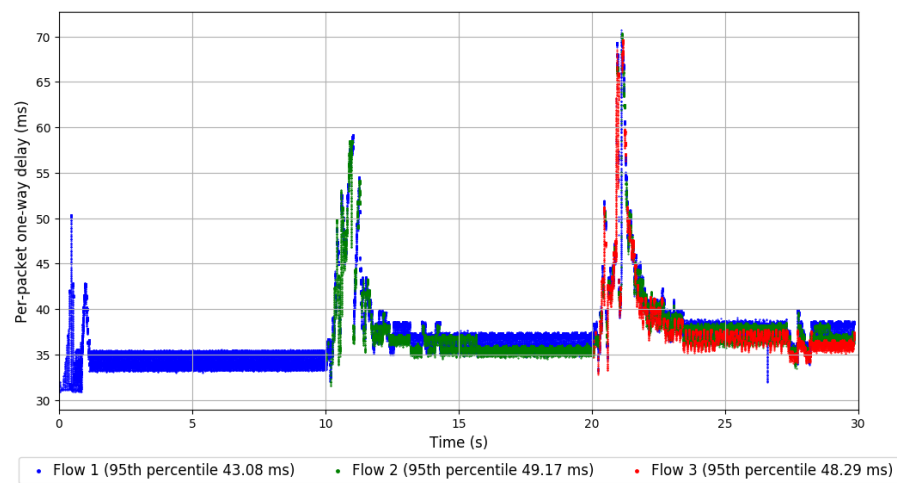
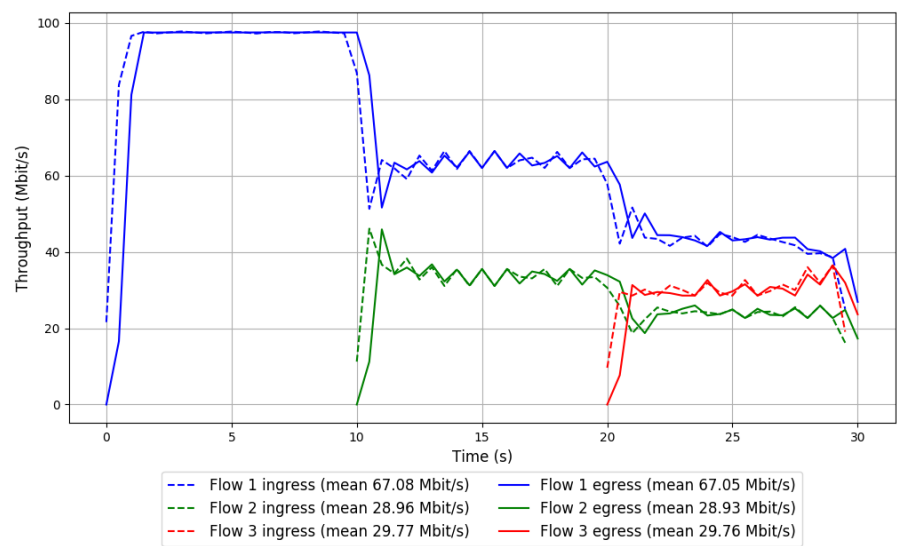


Run 1: Statistics of Indigo

Start at: 2018-05-22 03:28:11
End at: 2018-05-22 03:28:41
Local clock offset: 1.848 ms
Remote clock offset: -0.943 ms

Below is generated by plot.py at 2018-05-22 07:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 44.936 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.05 Mbit/s
95th percentile per-packet one-way delay: 43.079 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 49.166 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.76 Mbit/s
95th percentile per-packet one-way delay: 48.291 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

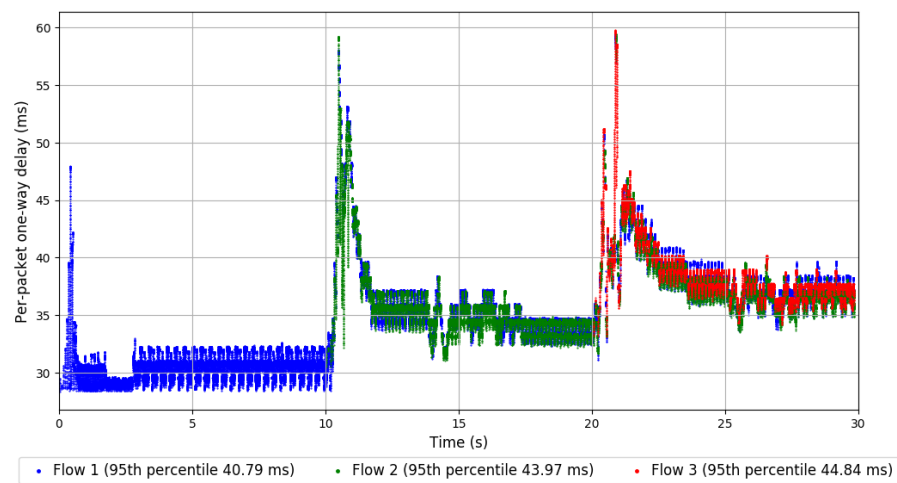
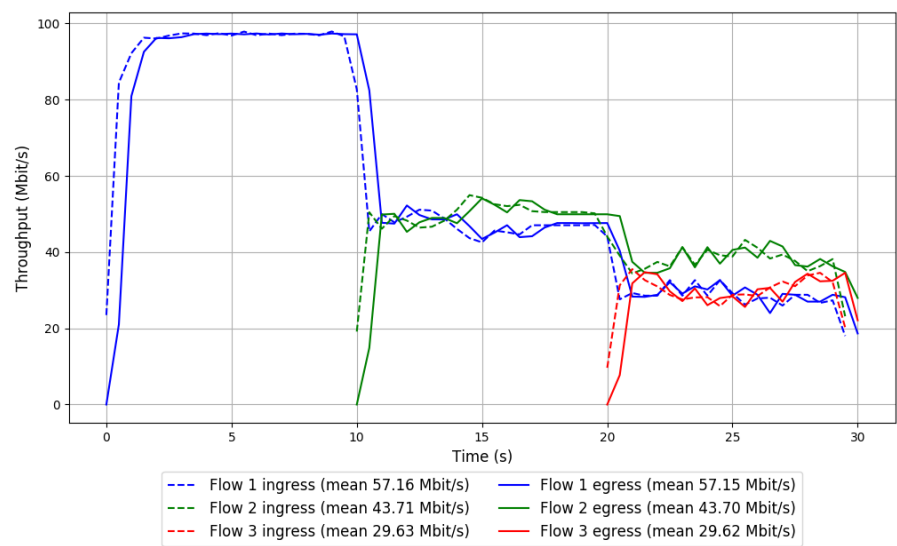


Run 2: Statistics of Indigo

Start at: 2018-05-22 03:49:37
End at: 2018-05-22 03:50:07
Local clock offset: 1.624 ms
Remote clock offset: -7.028 ms

Below is generated by plot.py at 2018-05-22 07:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 42.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 40.792 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 43.969 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 44.845 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

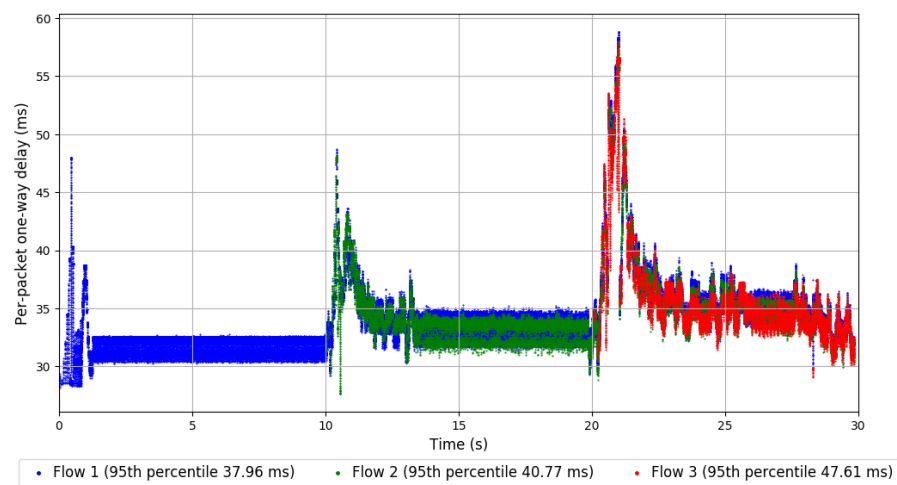
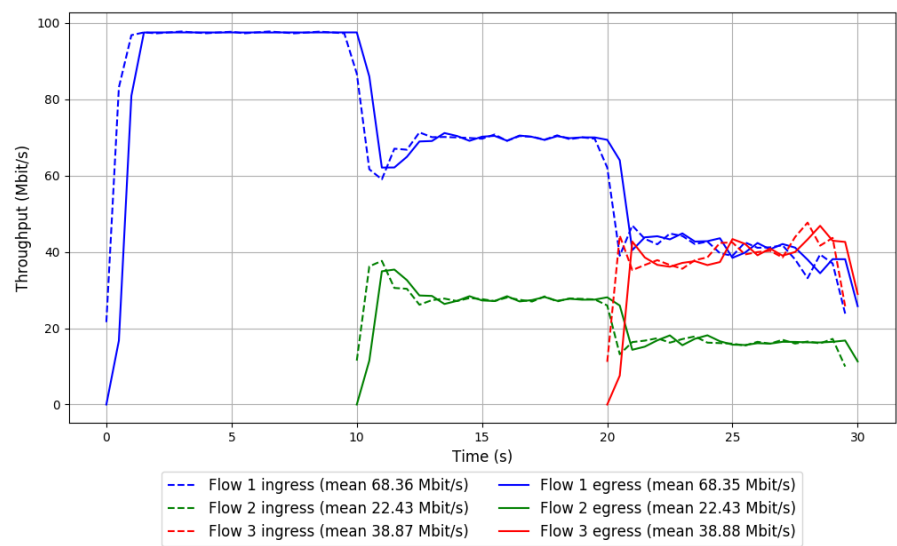


Run 3: Statistics of Indigo

Start at: 2018-05-22 04:11:50
End at: 2018-05-22 04:12:20
Local clock offset: 0.837 ms
Remote clock offset: -9.261 ms

Below is generated by plot.py at 2018-05-22 07:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 39.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 37.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 40.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 47.608 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

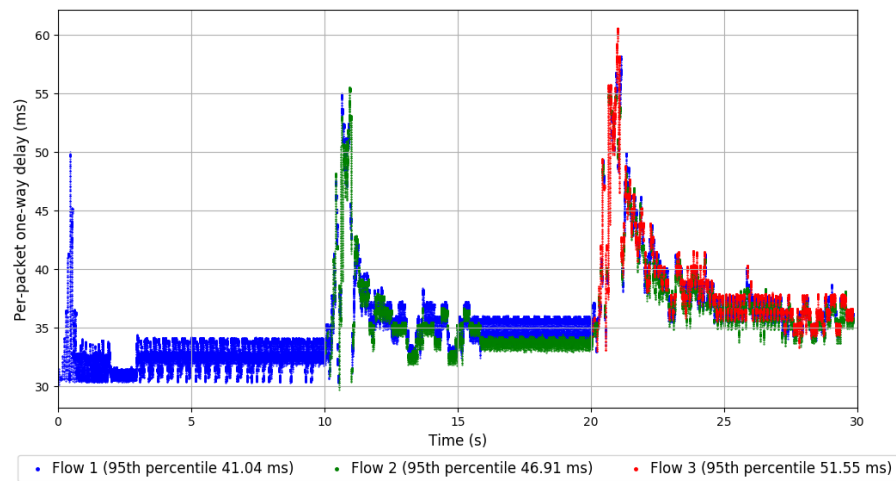
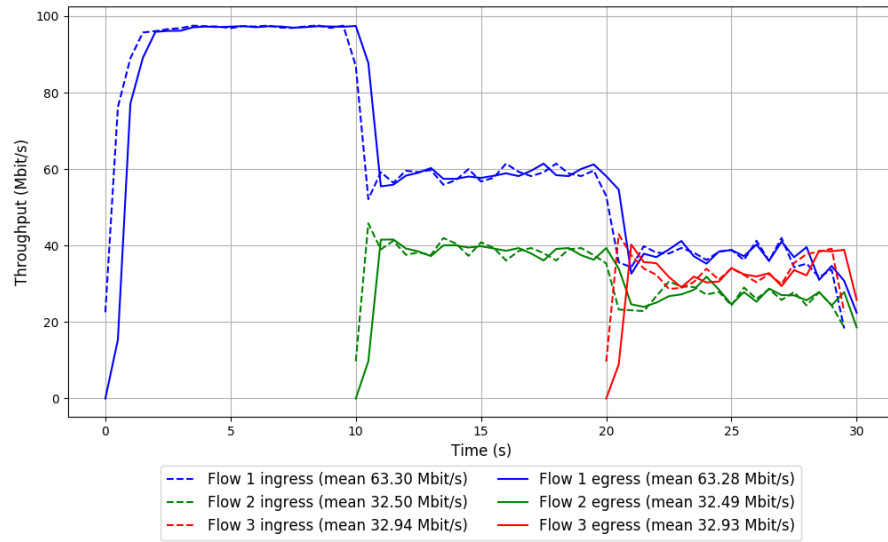


Run 4: Statistics of Indigo

Start at: 2018-05-22 04:33:05
End at: 2018-05-22 04:33:35
Local clock offset: 0.767 ms
Remote clock offset: -1.909 ms

Below is generated by plot.py at 2018-05-22 07:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 43.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.28 Mbit/s
95th percentile per-packet one-way delay: 41.043 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 46.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.93 Mbit/s
95th percentile per-packet one-way delay: 51.545 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-22 04:54:19

End at: 2018-05-22 04:54:49

Local clock offset: 0.828 ms

Remote clock offset: 1.459 ms

Below is generated by plot.py at 2018-05-22 07:05:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.47 Mbit/s

95th percentile per-packet one-way delay: 39.064 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 38.414 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 26.71 Mbit/s

95th percentile per-packet one-way delay: 39.546 ms

Loss rate: 0.30%

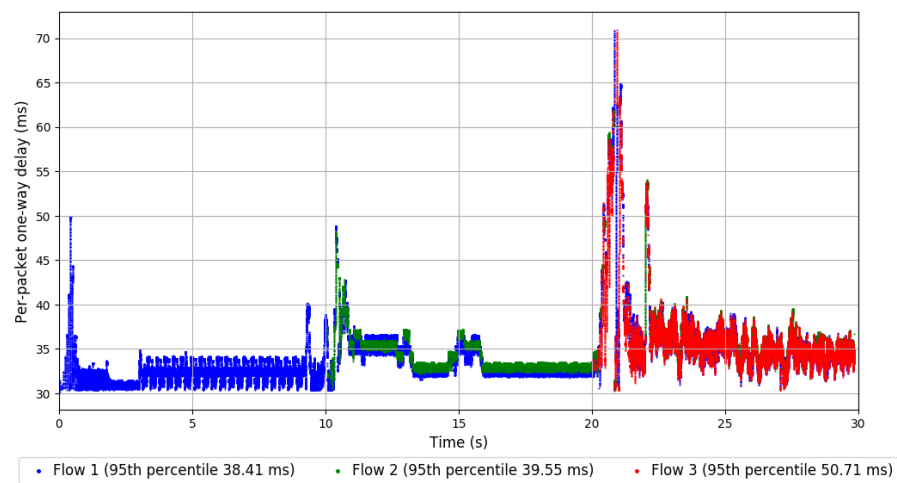
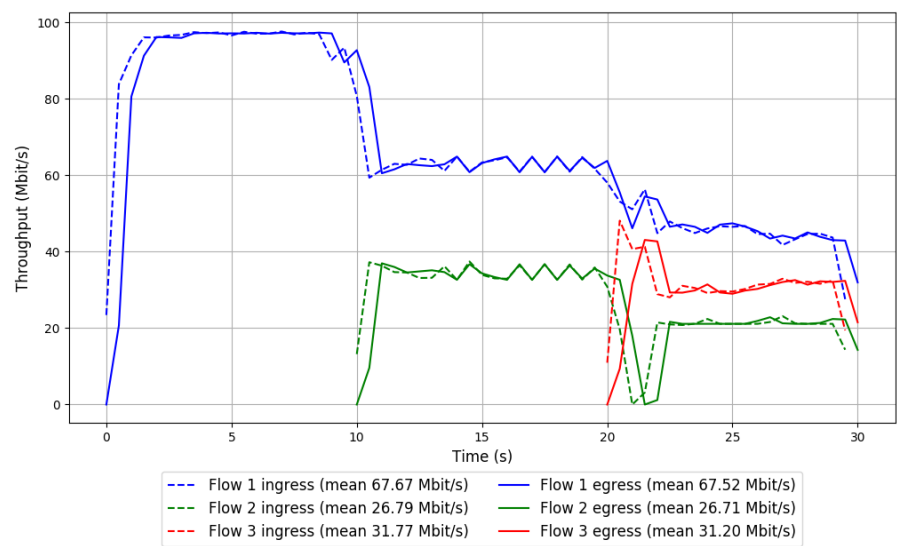
-- Flow 3:

Average throughput: 31.20 Mbit/s

95th percentile per-packet one-way delay: 50.713 ms

Loss rate: 1.78%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-22 05:15:36

End at: 2018-05-22 05:16:06

Local clock offset: 0.577 ms

Remote clock offset: 1.814 ms

Below is generated by plot.py at 2018-05-22 07:05:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 38.175 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.01 Mbit/s

95th percentile per-packet one-way delay: 36.747 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.40 Mbit/s

95th percentile per-packet one-way delay: 39.093 ms

Loss rate: 0.00%

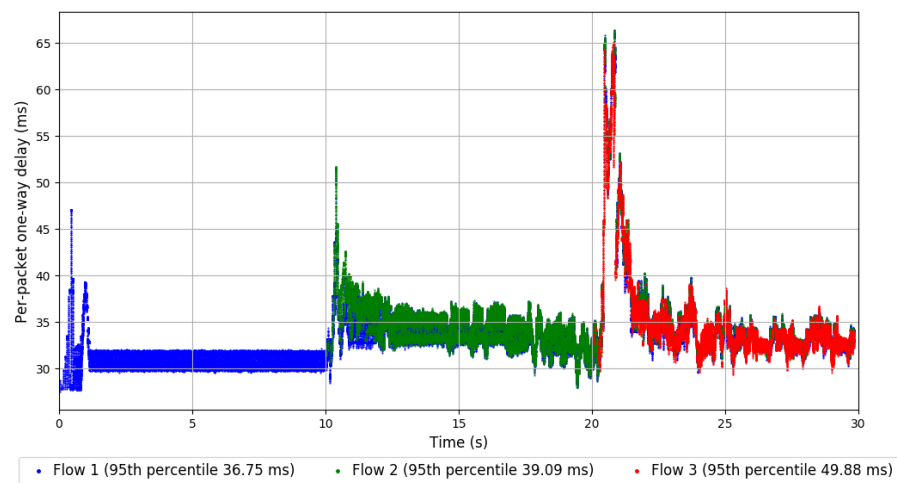
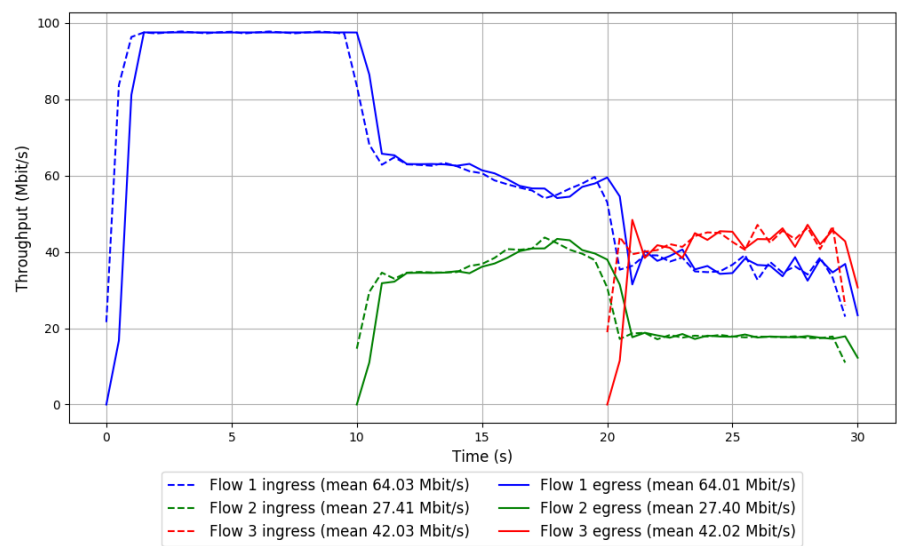
-- Flow 3:

Average throughput: 42.02 Mbit/s

95th percentile per-packet one-way delay: 49.876 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-22 05:36:54

End at: 2018-05-22 05:37:24

Local clock offset: 1.104 ms

Remote clock offset: 2.076 ms

Below is generated by plot.py at 2018-05-22 07:06:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 40.009 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 68.05 Mbit/s

95th percentile per-packet one-way delay: 39.038 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 41.534 ms

Loss rate: 0.05%

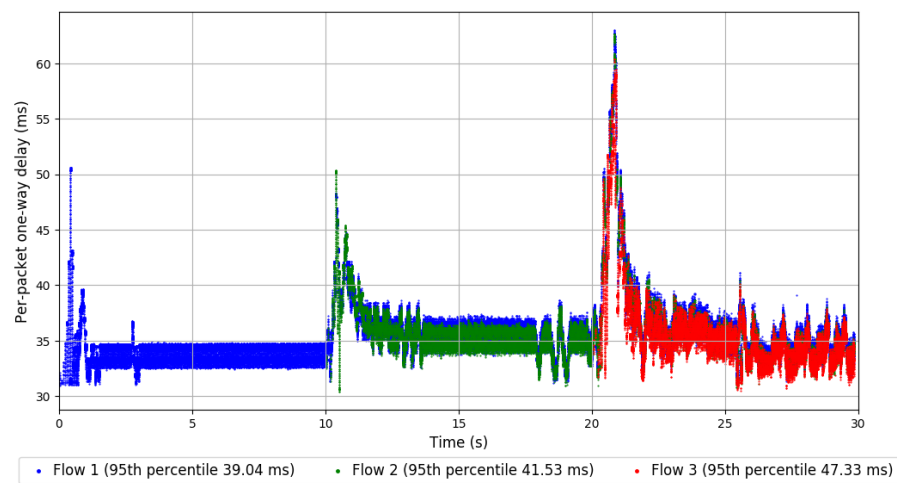
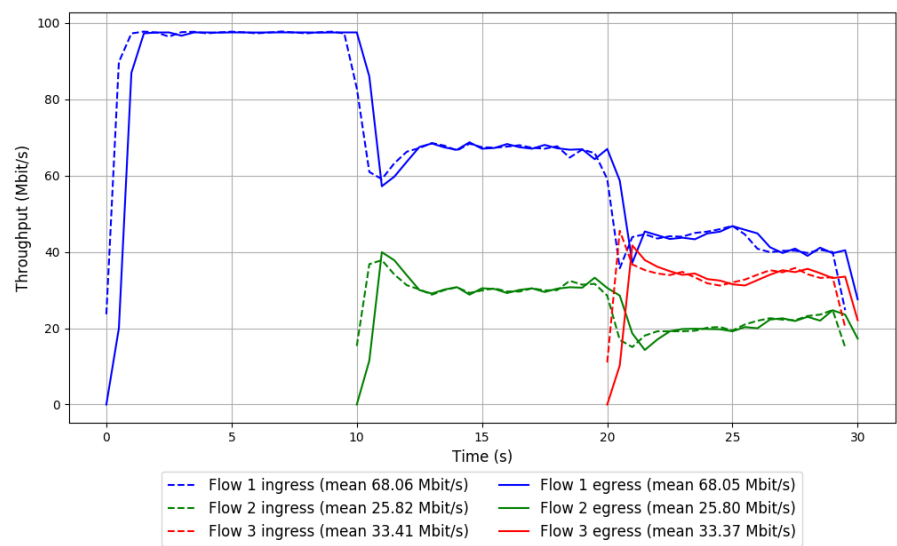
-- Flow 3:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 47.334 ms

Loss rate: 0.11%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 05:58:53

End at: 2018-05-22 05:59:23

Local clock offset: 1.321 ms

Remote clock offset: 0.54 ms

Below is generated by plot.py at 2018-05-22 07:06:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 55.620 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 66.34 Mbit/s

95th percentile per-packet one-way delay: 49.584 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.04 Mbit/s

95th percentile per-packet one-way delay: 61.797 ms

Loss rate: 0.01%

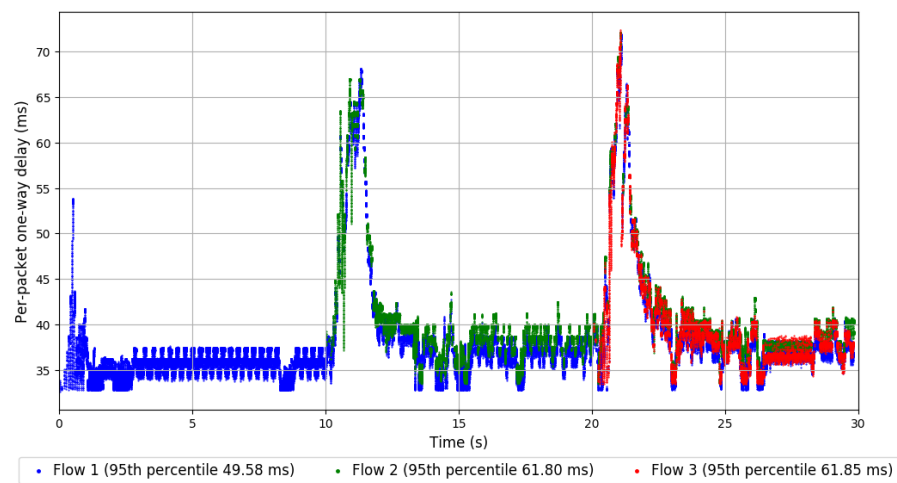
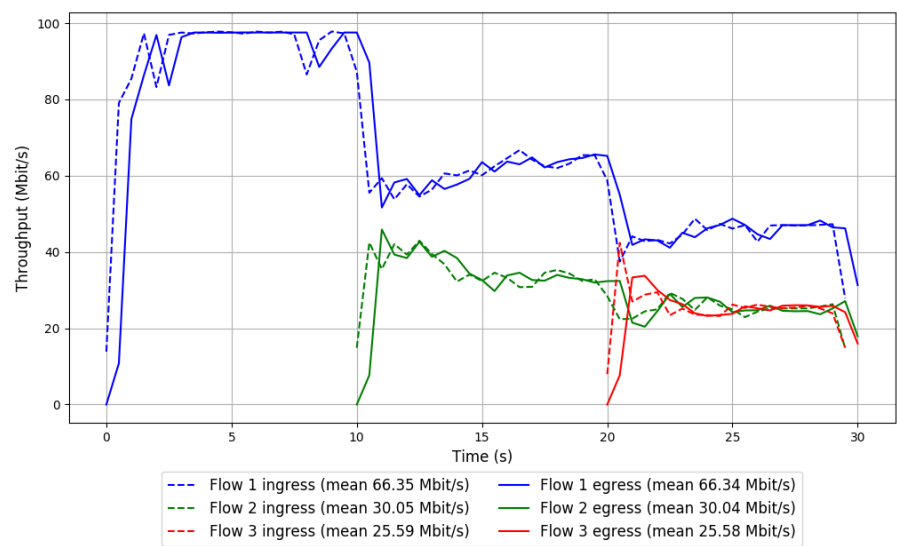
-- Flow 3:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 61.854 ms

Loss rate: 0.04%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-22 06:21:13

End at: 2018-05-22 06:21:43

Local clock offset: 0.732 ms

Remote clock offset: 6.103 ms

Below is generated by plot.py at 2018-05-22 07:06:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 54.391 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.89 Mbit/s

95th percentile per-packet one-way delay: 50.892 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.00 Mbit/s

95th percentile per-packet one-way delay: 59.359 ms

Loss rate: 0.00%

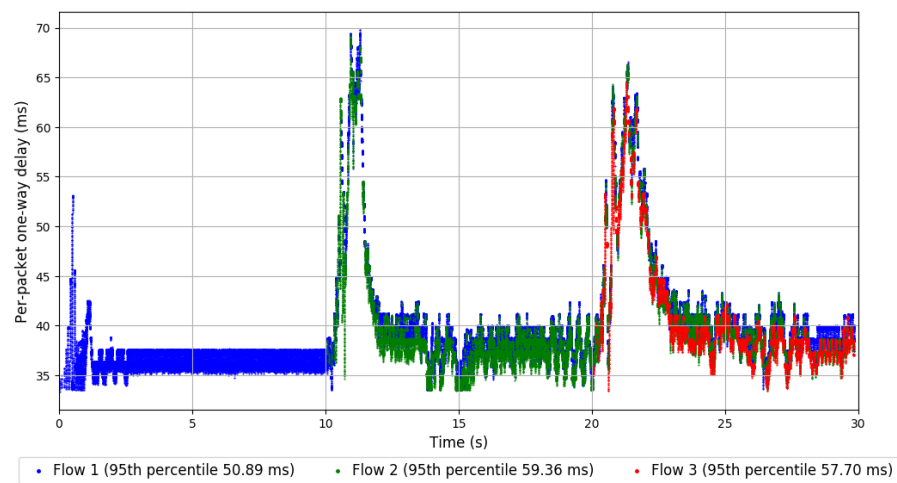
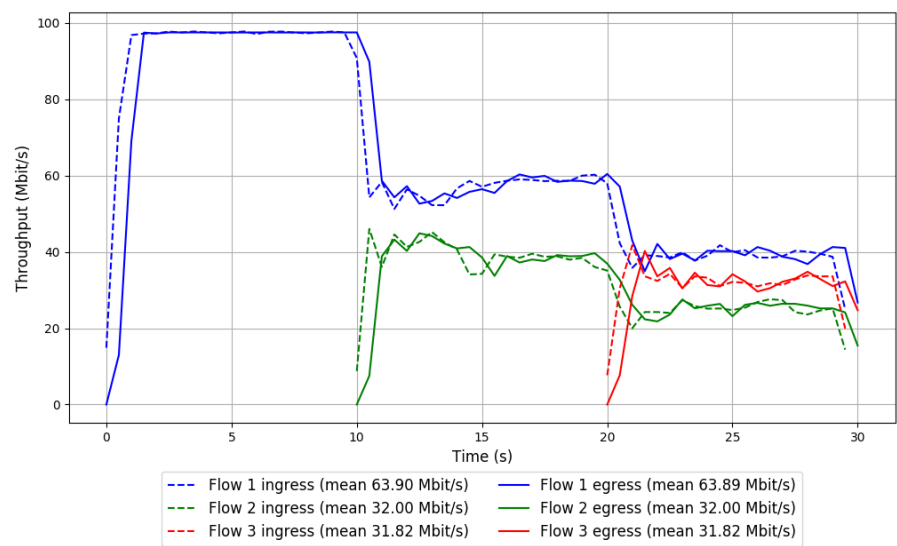
-- Flow 3:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 57.701 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 06:43:02

End at: 2018-05-22 06:43:32

Local clock offset: 0.516 ms

Remote clock offset: 6.921 ms

Below is generated by plot.py at 2018-05-22 07:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.21 Mbit/s

95th percentile per-packet one-way delay: 46.004 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 64.96 Mbit/s

95th percentile per-packet one-way delay: 43.909 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 31.54 Mbit/s

95th percentile per-packet one-way delay: 51.875 ms

Loss rate: 0.05%

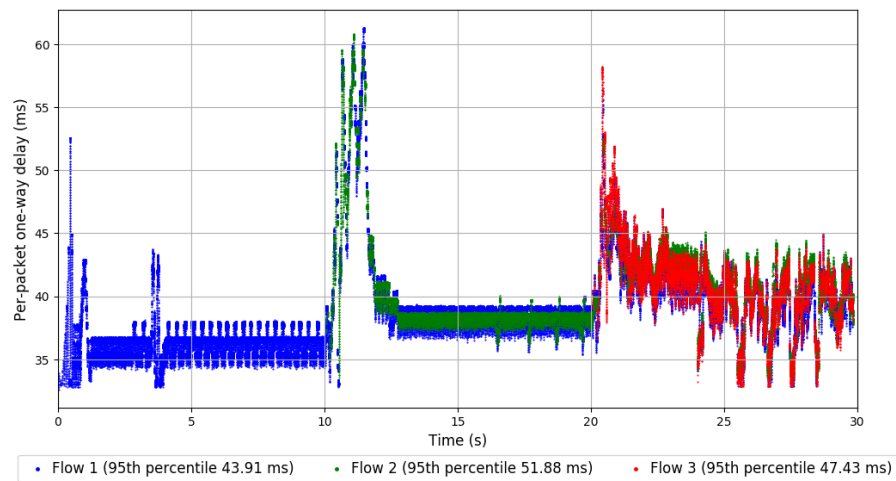
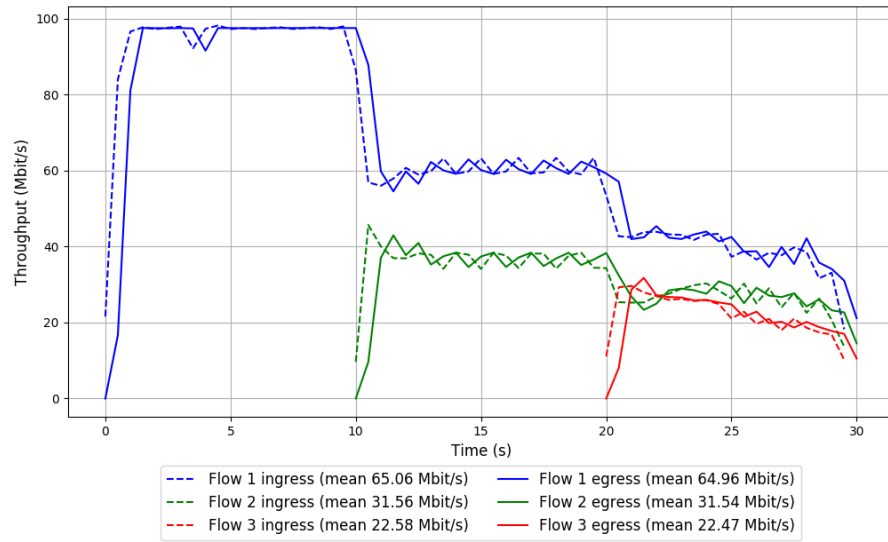
-- Flow 3:

Average throughput: 22.47 Mbit/s

95th percentile per-packet one-way delay: 47.433 ms

Loss rate: 0.46%

Run 10: Report of Indigo — Data Link

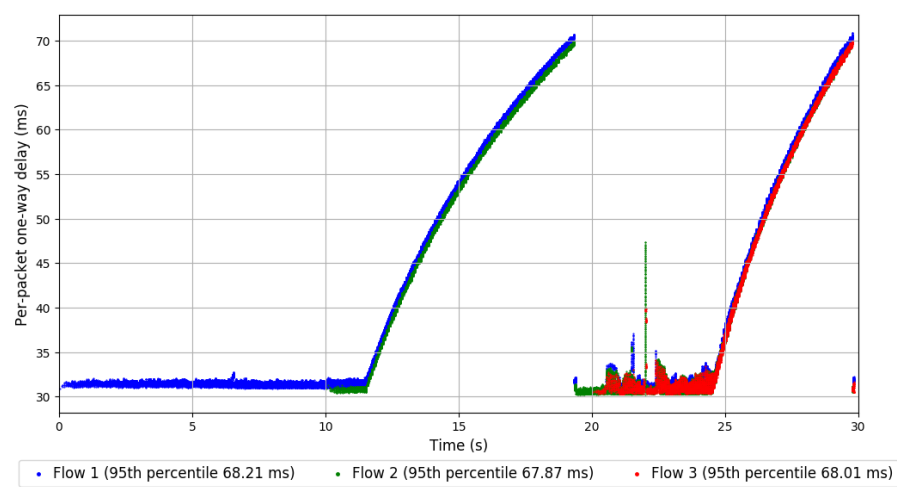
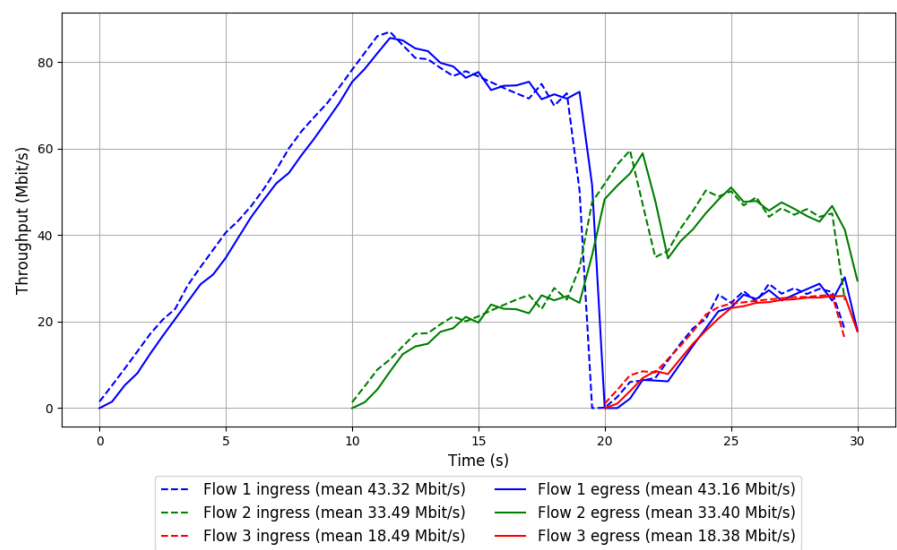


Run 1: Statistics of LEDBAT

Start at: 2018-05-22 03:33:28
End at: 2018-05-22 03:33:58
Local clock offset: 1.701 ms
Remote clock offset: -2.239 ms

Below is generated by plot.py at 2018-05-22 07:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 68.117 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 68.208 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 67.872 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 68.014 ms
Loss rate: 0.56%

Run 1: Report of LEDBAT — Data Link

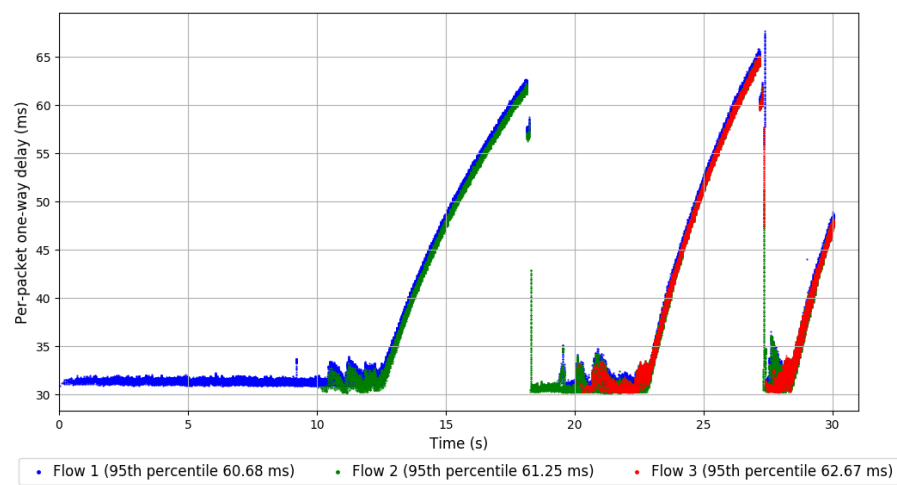
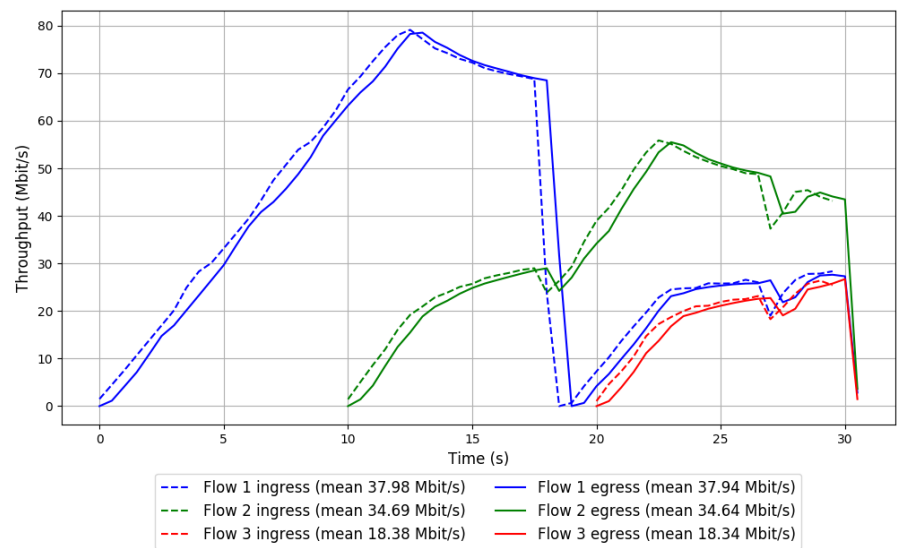


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 03:55:10
End at: 2018-05-22 03:55:40
Local clock offset: 1.647 ms
Remote clock offset: -5.123 ms

Below is generated by plot.py at 2018-05-22 07:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: 61.139 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 60.683 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 62.670 ms
Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link

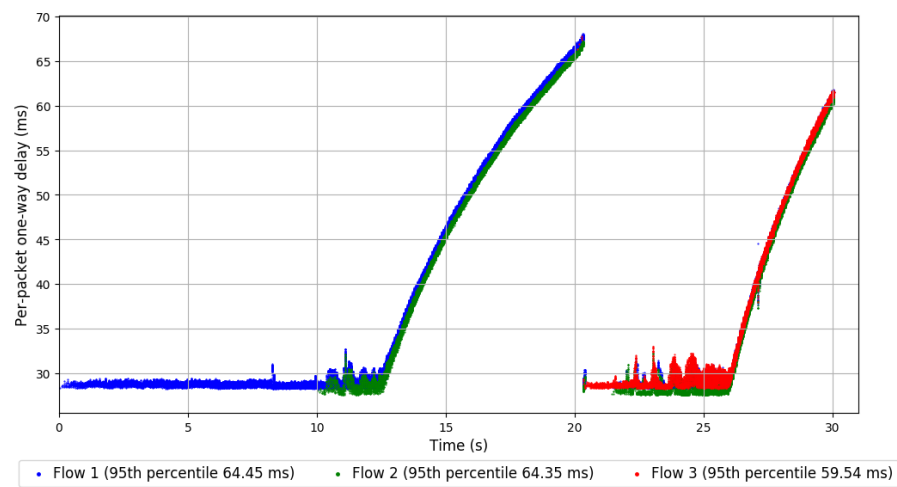
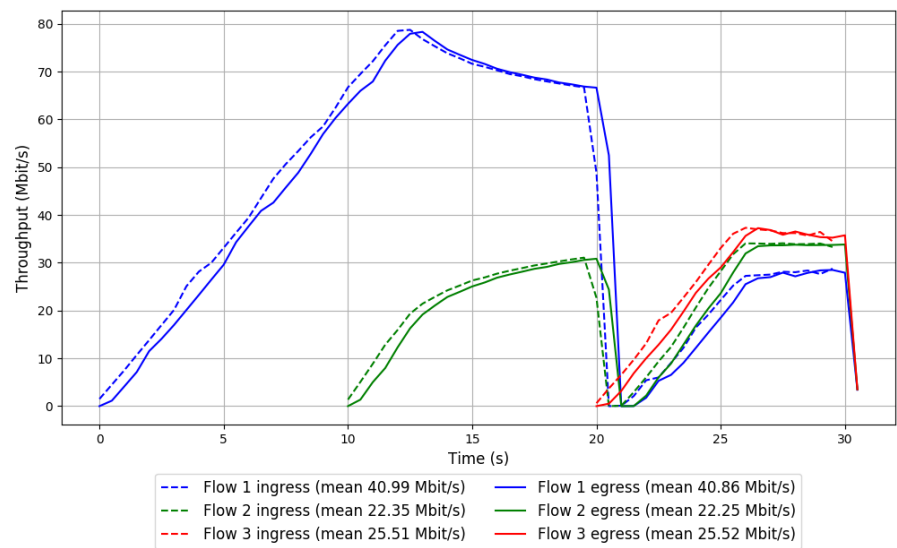


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 04:17:08
End at: 2018-05-22 04:17:38
Local clock offset: 0.741 ms
Remote clock offset: -9.797 ms

Below is generated by plot.py at 2018-05-22 07:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 64.015 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 64.455 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 64.353 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 59.537 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

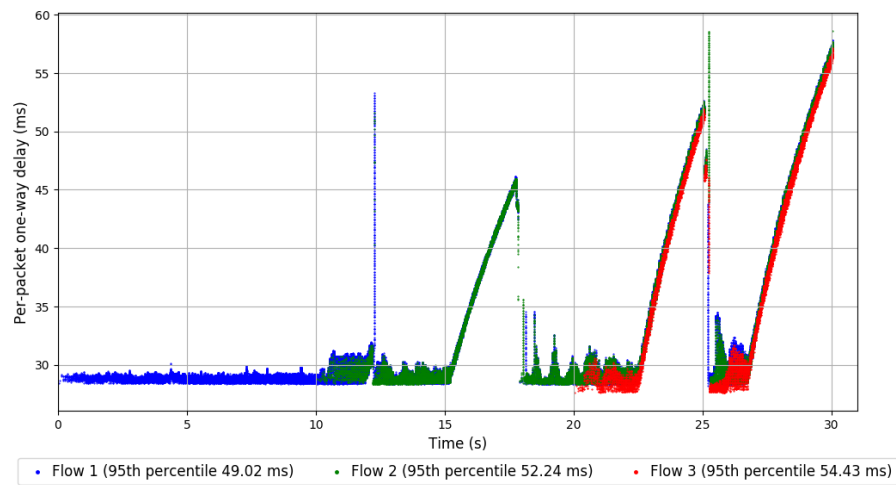
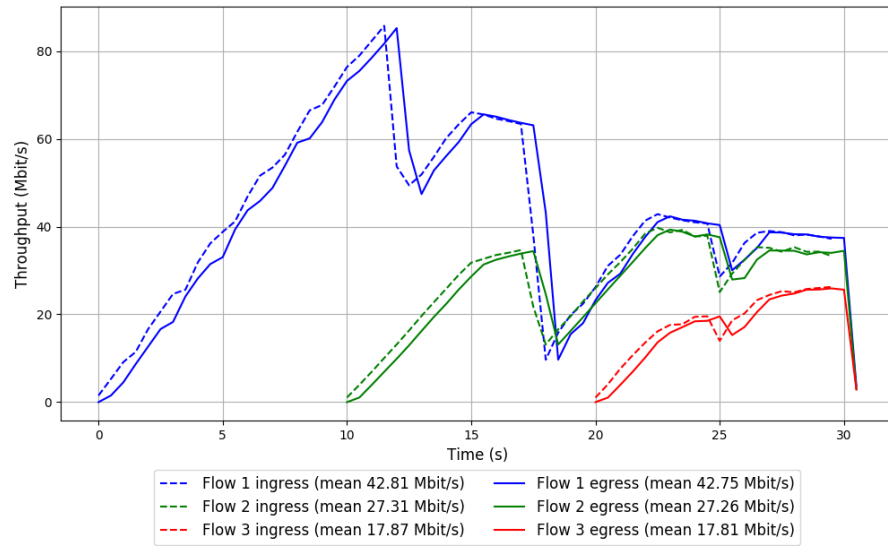


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 04:38:23
End at: 2018-05-22 04:38:53
Local clock offset: 0.722 ms
Remote clock offset: -2.537 ms

Below is generated by plot.py at 2018-05-22 07:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 51.223 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 49.025 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 52.236 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 54.429 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 04:59:38

End at: 2018-05-22 05:00:08

Local clock offset: 0.664 ms

Remote clock offset: 2.169 ms

Below is generated by plot.py at 2018-05-22 07:07:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.77 Mbit/s

95th percentile per-packet one-way delay: 66.065 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 65.760 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 19.34 Mbit/s

95th percentile per-packet one-way delay: 65.991 ms

Loss rate: 0.36%

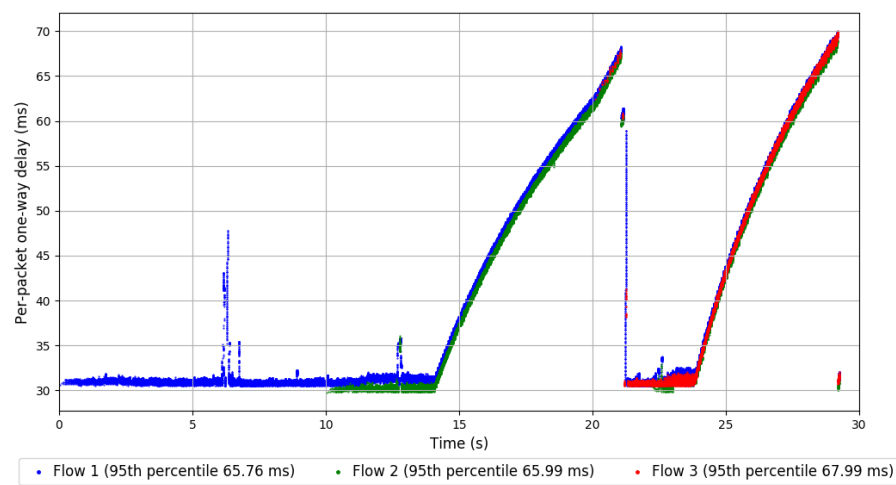
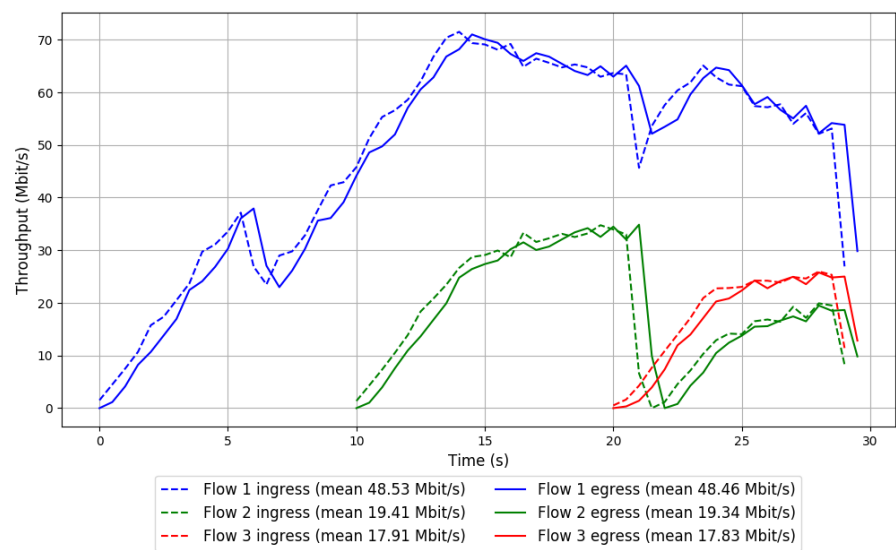
-- Flow 3:

Average throughput: 17.83 Mbit/s

95th percentile per-packet one-way delay: 67.986 ms

Loss rate: 0.77%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-22 05:20:55

End at: 2018-05-22 05:21:25

Local clock offset: 0.539 ms

Remote clock offset: 2.169 ms

Below is generated by plot.py at 2018-05-22 07:07:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.84 Mbit/s

95th percentile per-packet one-way delay: 63.879 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 42.28 Mbit/s

95th percentile per-packet one-way delay: 63.946 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 21.85 Mbit/s

95th percentile per-packet one-way delay: 64.644 ms

Loss rate: 0.28%

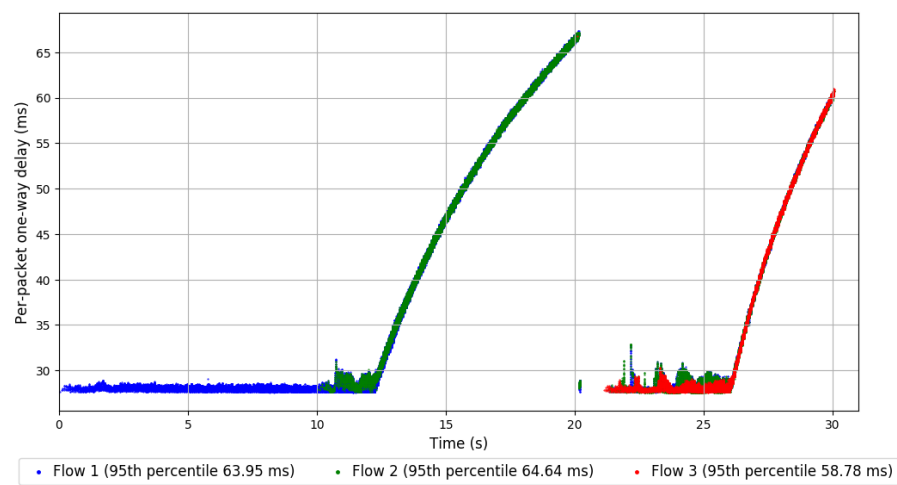
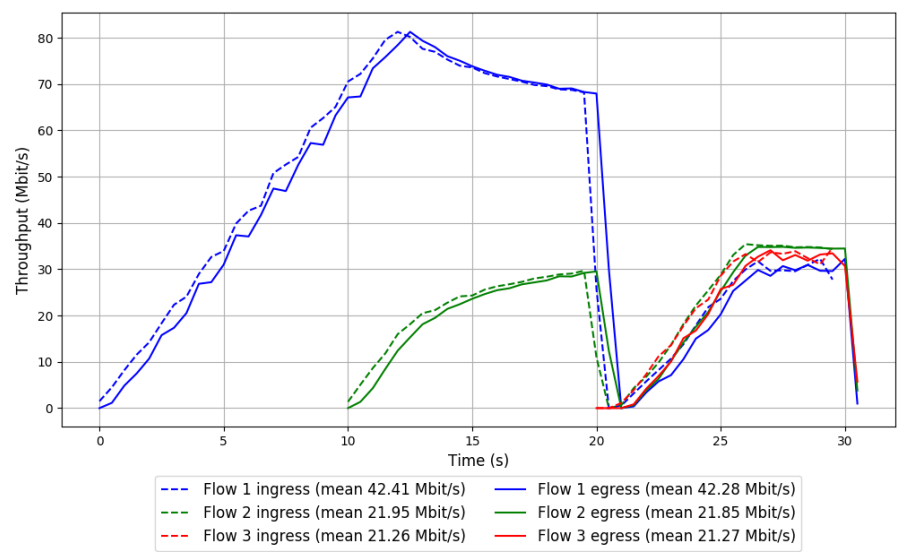
-- Flow 3:

Average throughput: 21.27 Mbit/s

95th percentile per-packet one-way delay: 58.780 ms

Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

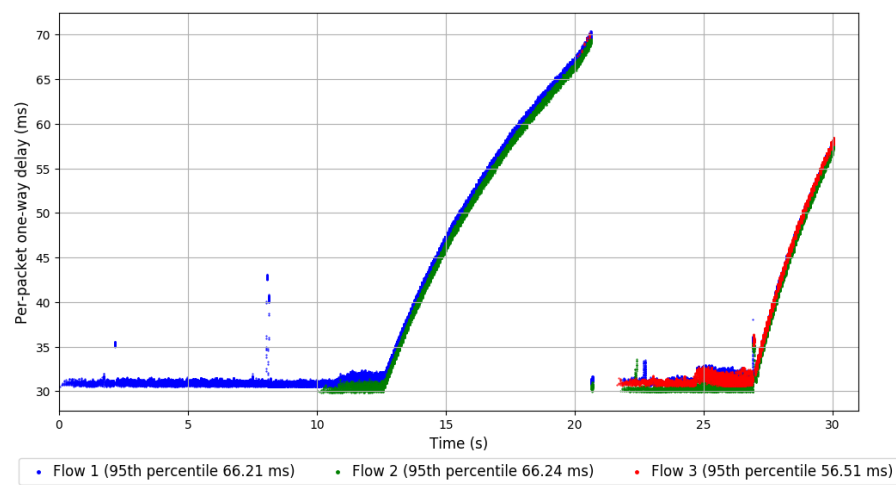
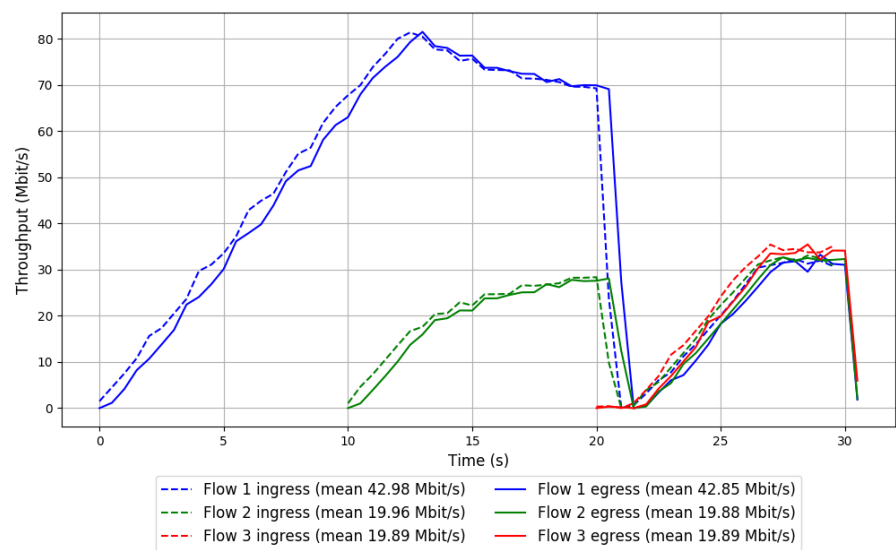


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 05:42:12
End at: 2018-05-22 05:42:42
Local clock offset: 1.337 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-22 07:07:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.70 Mbit/s
95th percentile per-packet one-way delay: 65.945 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 66.213 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 66.239 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 56.505 ms
Loss rate: 0.06%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-22 06:04:29

End at: 2018-05-22 06:04:59

Local clock offset: 0.959 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-05-22 07:07:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.87 Mbit/s

95th percentile per-packet one-way delay: 68.444 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 67.548 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 21.65 Mbit/s

95th percentile per-packet one-way delay: 69.943 ms

Loss rate: 0.25%

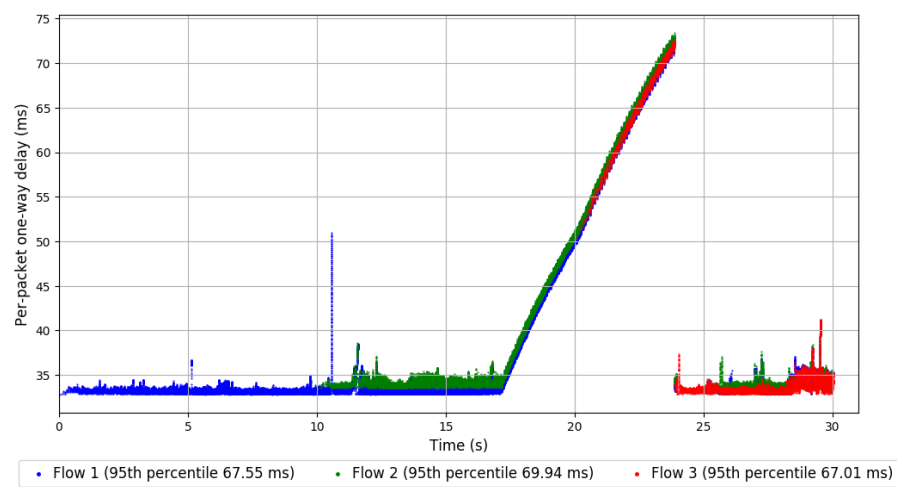
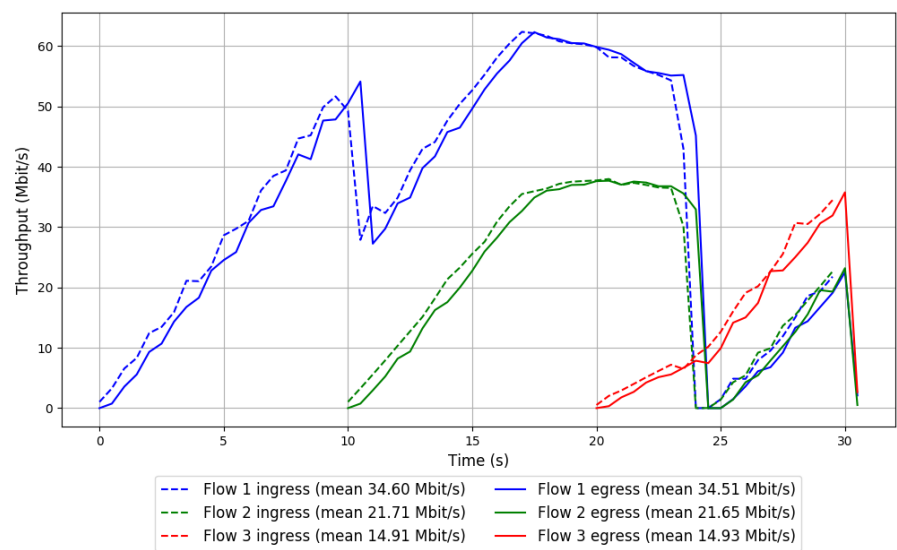
-- Flow 3:

Average throughput: 14.93 Mbit/s

95th percentile per-packet one-way delay: 67.006 ms

Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-22 06:26:45

End at: 2018-05-22 06:27:15

Local clock offset: 0.697 ms

Remote clock offset: 6.675 ms

Below is generated by plot.py at 2018-05-22 07:07:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.59 Mbit/s

95th percentile per-packet one-way delay: 67.951 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 39.36 Mbit/s

95th percentile per-packet one-way delay: 67.653 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 69.233 ms

Loss rate: 0.72%

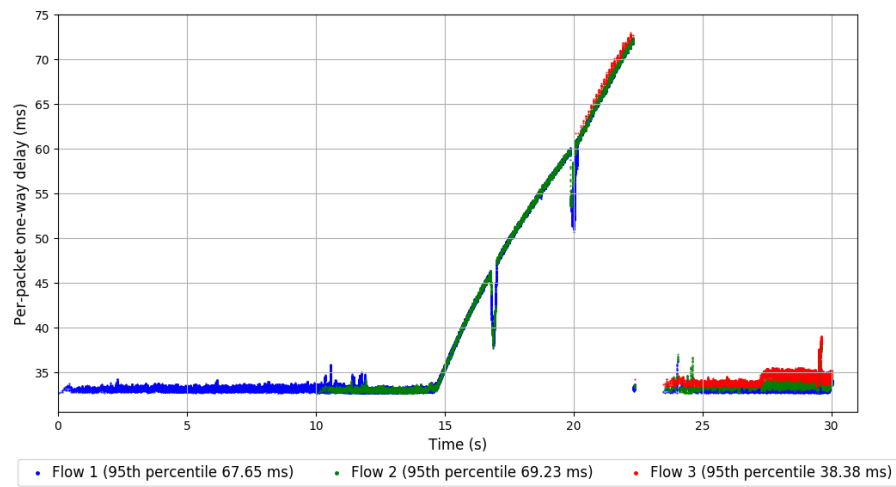
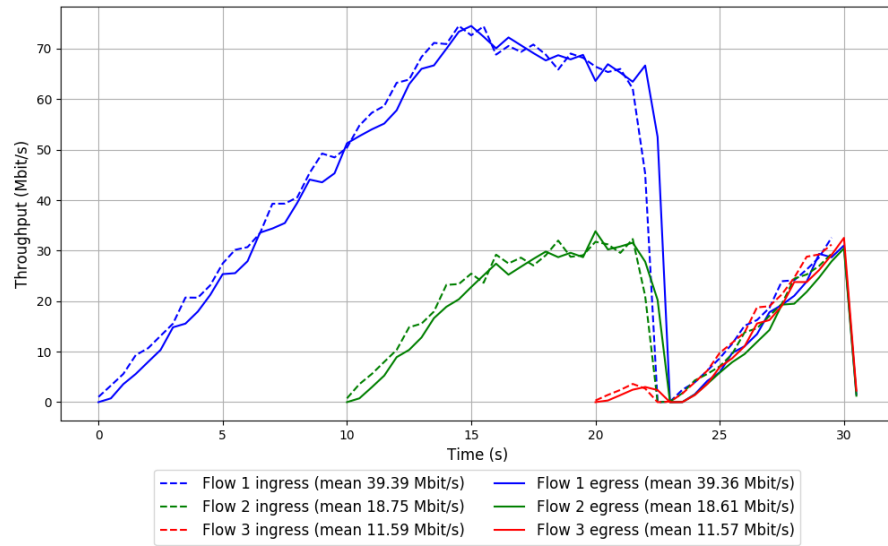
-- Flow 3:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 38.383 ms

Loss rate: 0.40%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-22 06:48:24

End at: 2018-05-22 06:48:54

Local clock offset: 0.489 ms

Remote clock offset: 6.632 ms

Below is generated by plot.py at 2018-05-22 07:07:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.01 Mbit/s

95th percentile per-packet one-way delay: 64.800 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 32.91 Mbit/s

95th percentile per-packet one-way delay: 64.853 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.08 Mbit/s

95th percentile per-packet one-way delay: 65.093 ms

Loss rate: 0.05%

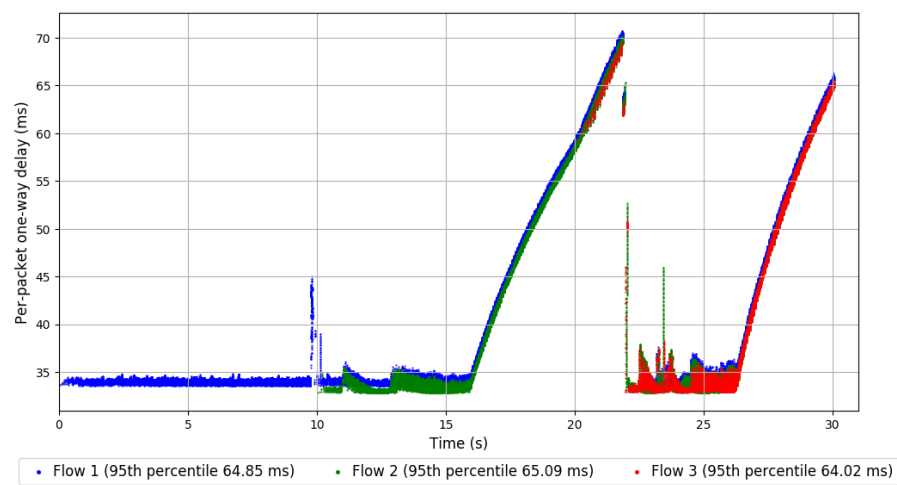
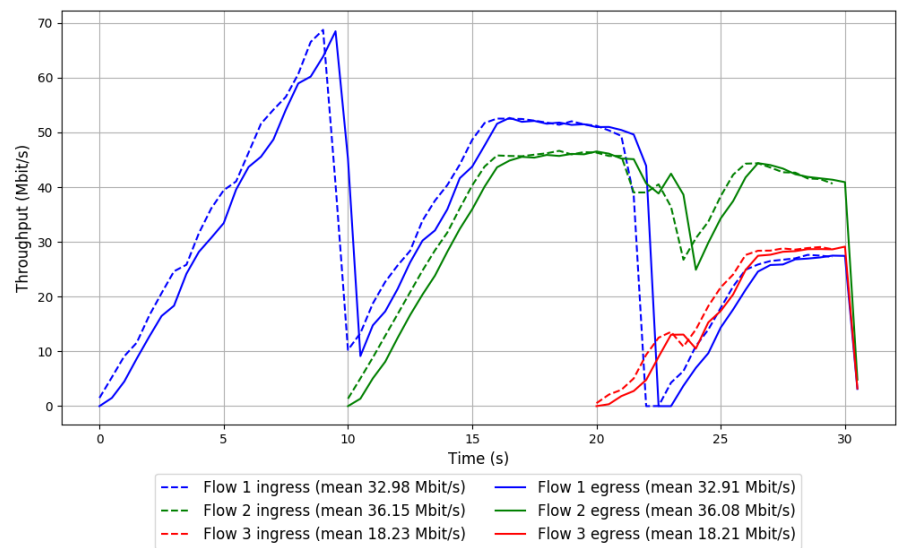
-- Flow 3:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 64.023 ms

Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

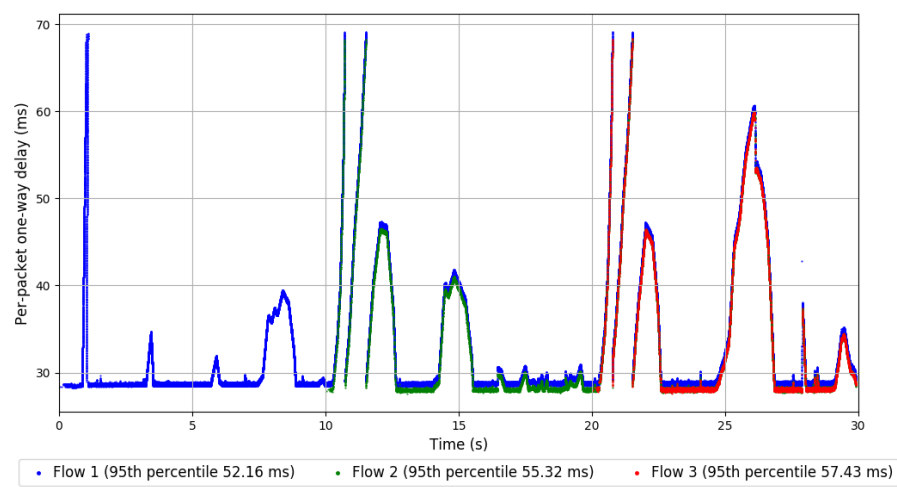
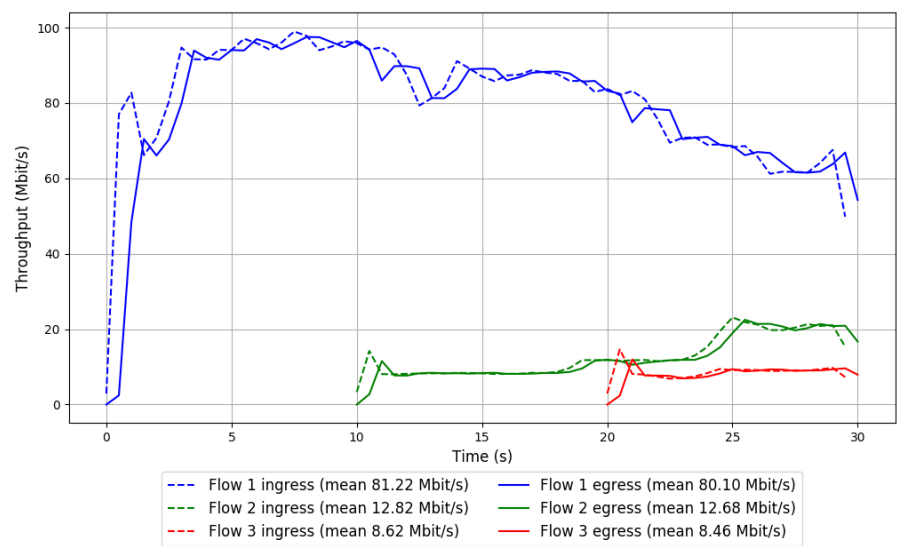


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 03:38:50
End at: 2018-05-22 03:39:20
Local clock offset: 1.523 ms
Remote clock offset: -5.786 ms

Below is generated by plot.py at 2018-05-22 07:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 52.995 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 52.164 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 55.319 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 57.432 ms
Loss rate: 1.95%

Run 1: Report of PCC-Allegro — Data Link

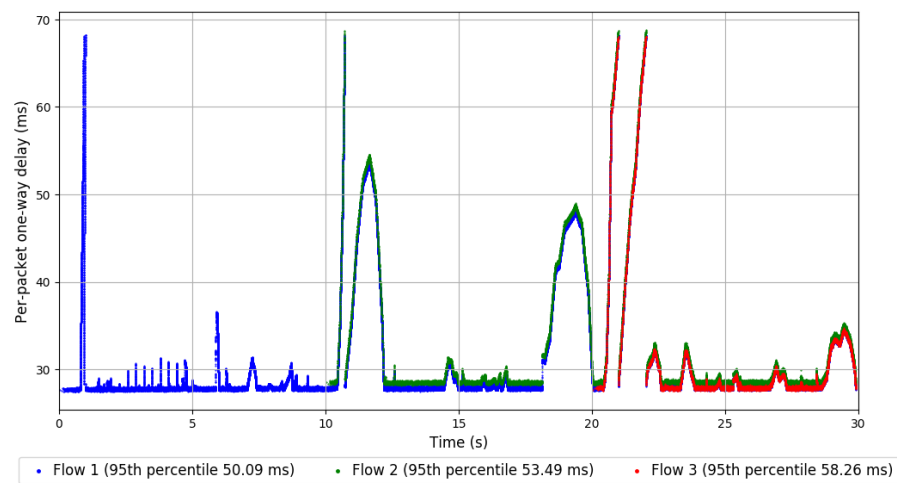
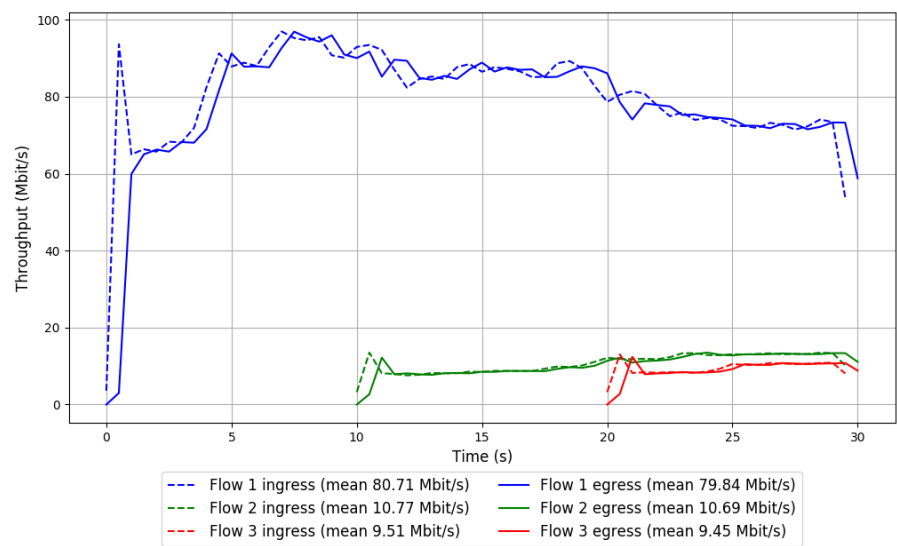


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 04:00:46
End at: 2018-05-22 04:01:16
Local clock offset: 1.298 ms
Remote clock offset: -8.288 ms

Below is generated by plot.py at 2018-05-22 07:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 50.683 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 79.84 Mbit/s
95th percentile per-packet one-way delay: 50.089 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 53.495 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 58.255 ms
Loss rate: 0.69%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 04:22:30

End at: 2018-05-22 04:23:00

Local clock offset: 0.578 ms

Remote clock offset: -8.18 ms

Below is generated by plot.py at 2018-05-22 07:08:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.19 Mbit/s

95th percentile per-packet one-way delay: 61.436 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 75.51 Mbit/s

95th percentile per-packet one-way delay: 60.804 ms

Loss rate: 2.40%

-- Flow 2:

Average throughput: 20.81 Mbit/s

95th percentile per-packet one-way delay: 63.690 ms

Loss rate: 2.50%

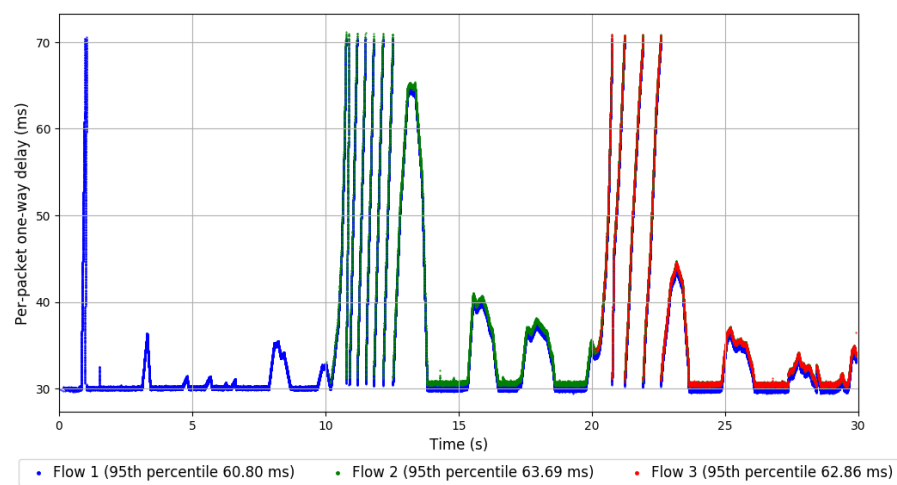
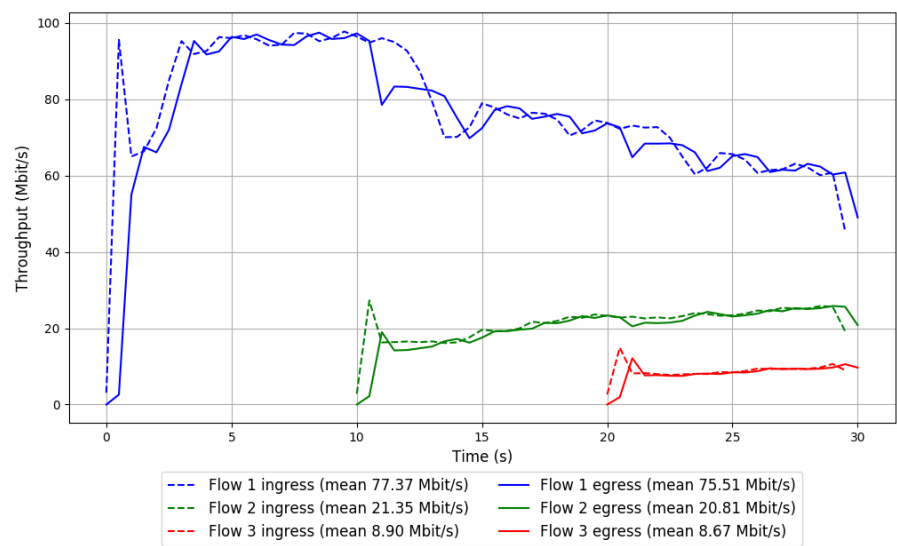
-- Flow 3:

Average throughput: 8.67 Mbit/s

95th percentile per-packet one-way delay: 62.856 ms

Loss rate: 2.58%

Run 3: Report of PCC-Allegro — Data Link

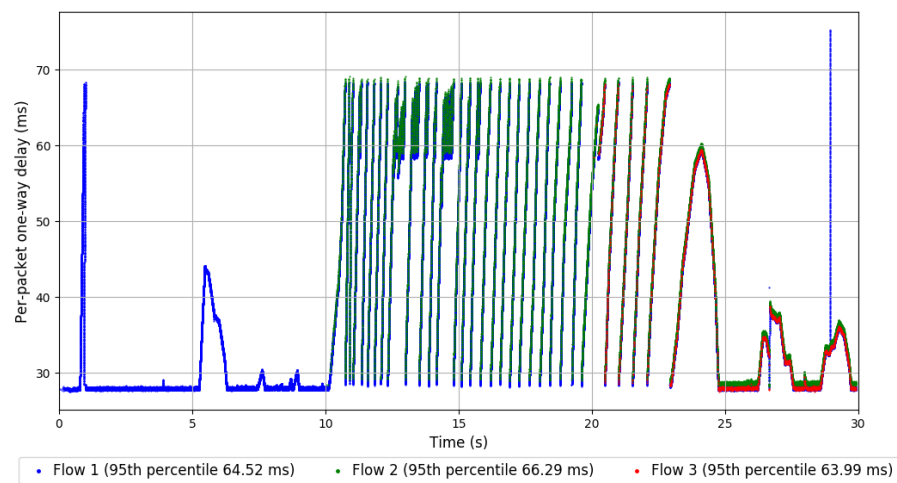
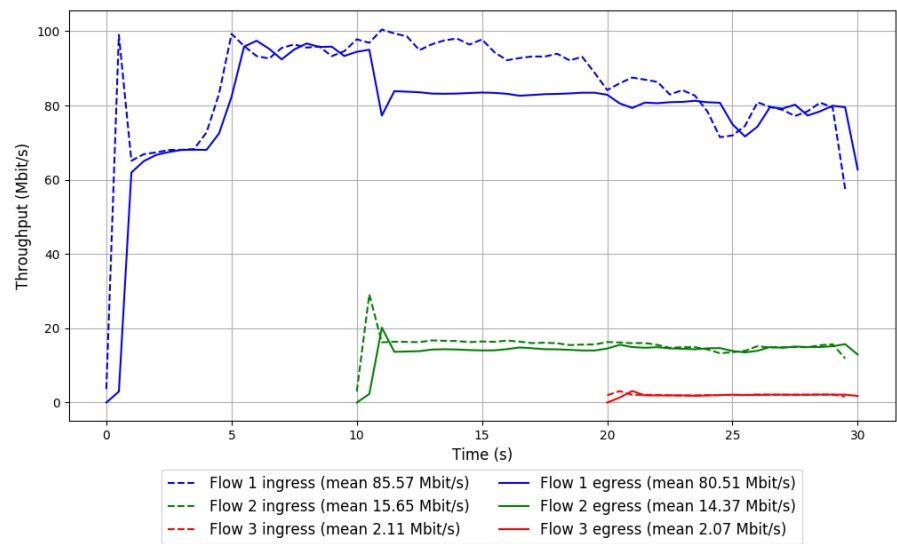


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 04:43:44
End at: 2018-05-22 04:44:14
Local clock offset: 0.762 ms
Remote clock offset: -1.652 ms

Below is generated by plot.py at 2018-05-22 07:08:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 64.773 ms
Loss rate: 6.13%
-- Flow 1:
Average throughput: 80.51 Mbit/s
95th percentile per-packet one-way delay: 64.519 ms
Loss rate: 5.92%
-- Flow 2:
Average throughput: 14.37 Mbit/s
95th percentile per-packet one-way delay: 66.293 ms
Loss rate: 8.18%
-- Flow 3:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 63.992 ms
Loss rate: 2.27%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

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

End at: 2018-05-22 05:05:31

Local clock offset: 0.661 ms

Remote clock offset: 2.881 ms

Below is generated by plot.py at 2018-05-22 07:08:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 65.896 ms

Loss rate: 4.85%

-- Flow 1:

Average throughput: 81.42 Mbit/s

95th percentile per-packet one-way delay: 65.568 ms

Loss rate: 4.50%

-- Flow 2:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 67.338 ms

Loss rate: 5.62%

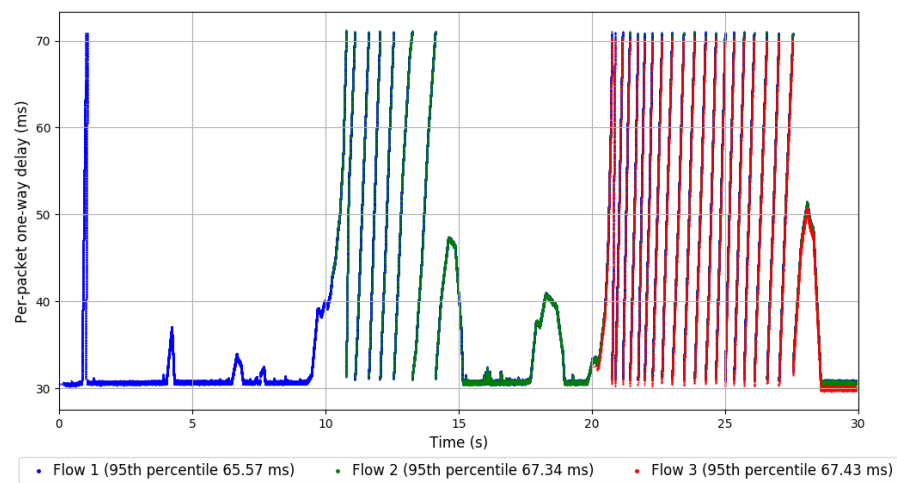
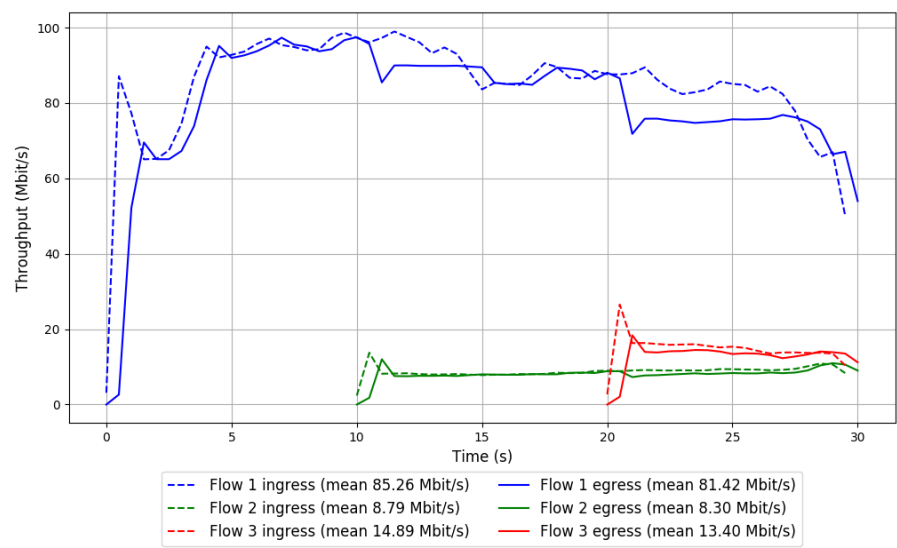
-- Flow 3:

Average throughput: 13.40 Mbit/s

95th percentile per-packet one-way delay: 67.430 ms

Loss rate: 10.05%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 05:26:18

End at: 2018-05-22 05:26:48

Local clock offset: 0.514 ms

Remote clock offset: 4.63 ms

Below is generated by plot.py at 2018-05-22 07:08:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 66.265 ms

Loss rate: 6.77%

-- Flow 1:

Average throughput: 82.91 Mbit/s

95th percentile per-packet one-way delay: 65.974 ms

Loss rate: 6.53%

-- Flow 2:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 68.044 ms

Loss rate: 9.04%

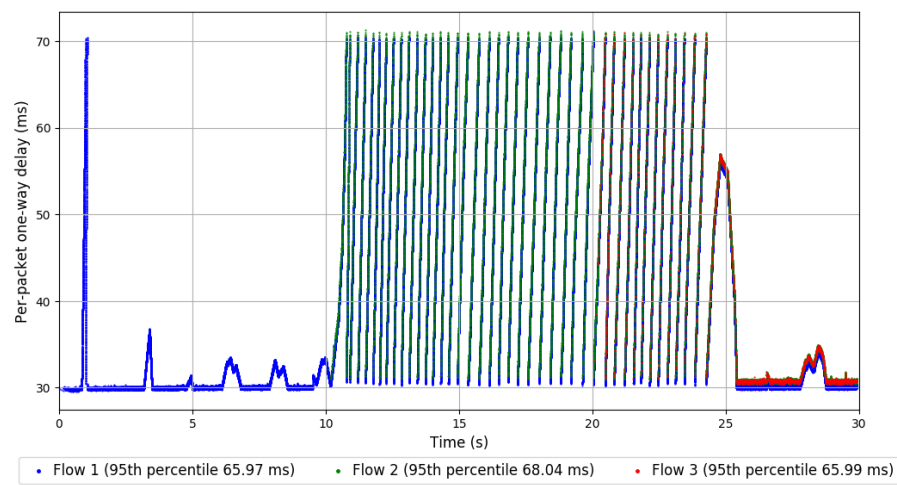
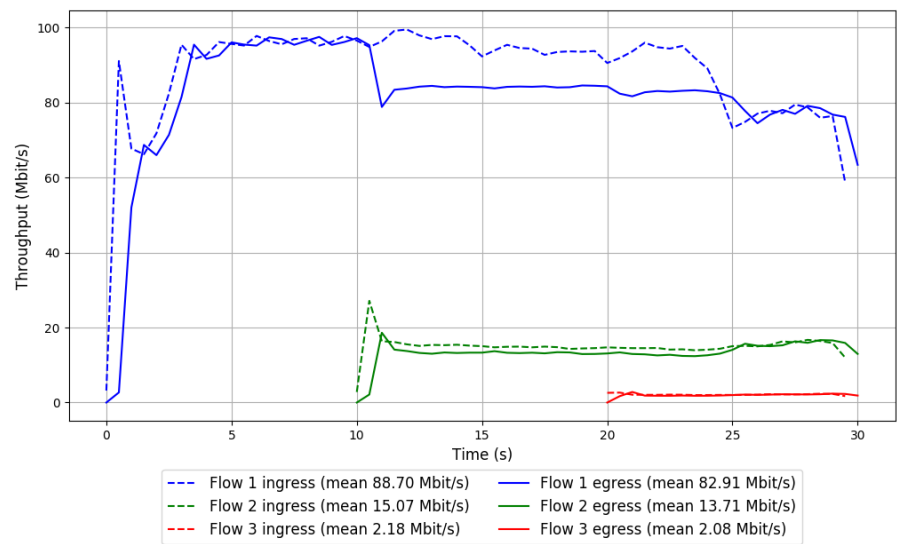
-- Flow 3:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 65.987 ms

Loss rate: 4.91%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 05:47:39

End at: 2018-05-22 05:48:09

Local clock offset: 1.355 ms

Remote clock offset: 2.425 ms

Below is generated by plot.py at 2018-05-22 07:08:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.86 Mbit/s

95th percentile per-packet one-way delay: 67.598 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 83.96 Mbit/s

95th percentile per-packet one-way delay: 67.703 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 68.386 ms

Loss rate: 1.03%

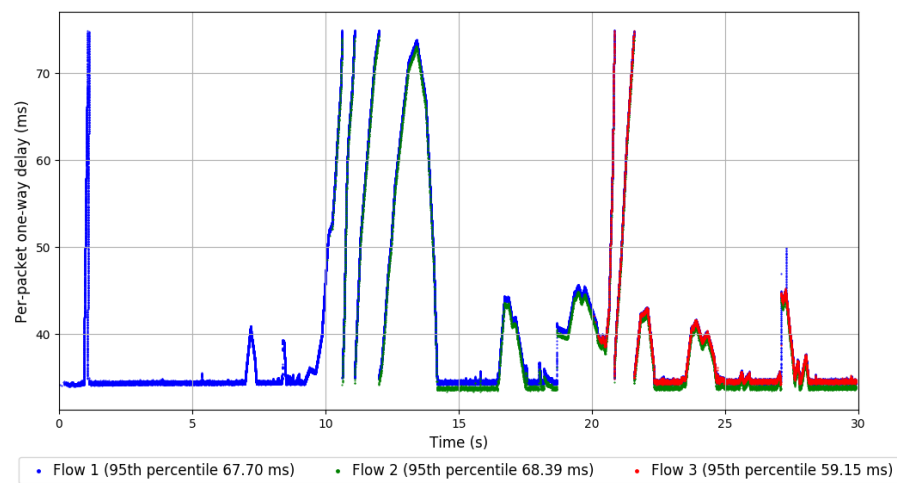
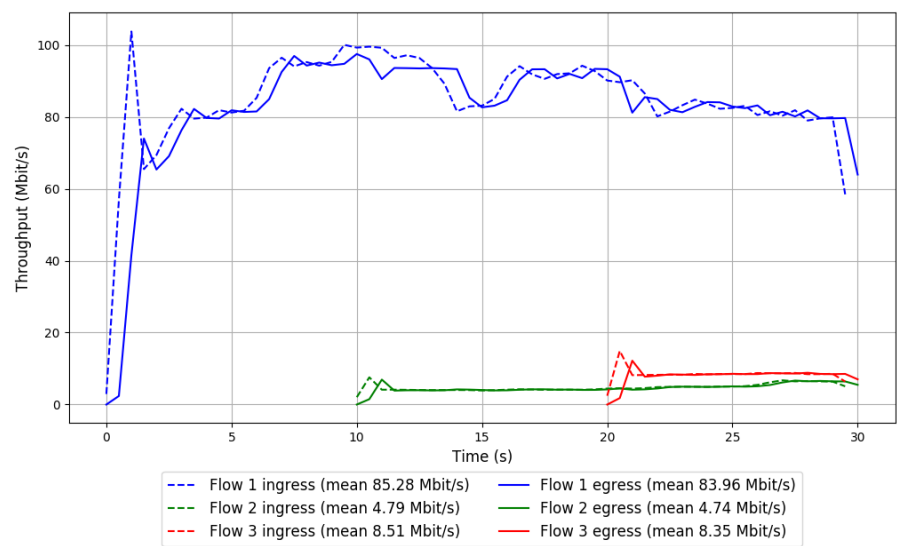
-- Flow 3:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 59.151 ms

Loss rate: 1.95%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 06:10:17

End at: 2018-05-22 06:10:47

Local clock offset: 0.798 ms

Remote clock offset: 2.971 ms

Below is generated by plot.py at 2018-05-22 07:08:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 62.533 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 61.996 ms

Loss rate: 2.72%

-- Flow 2:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 65.382 ms

Loss rate: 3.10%

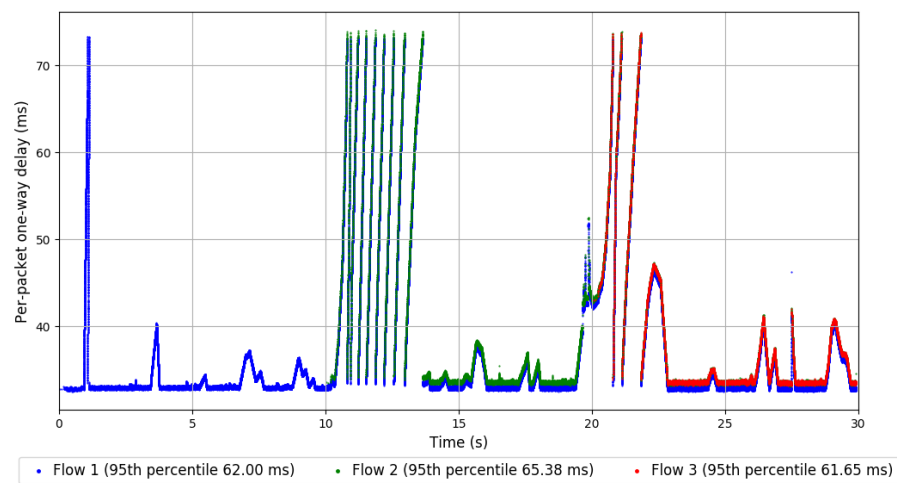
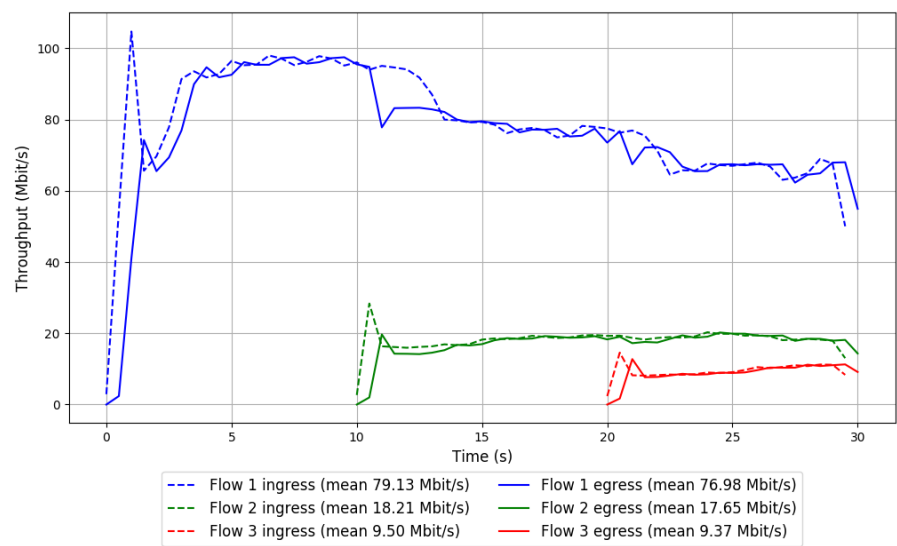
-- Flow 3:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 61.645 ms

Loss rate: 1.47%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 06:32:18

End at: 2018-05-22 06:32:48

Local clock offset: 0.672 ms

Remote clock offset: 7.137 ms

Below is generated by plot.py at 2018-05-22 07:09:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.01 Mbit/s

95th percentile per-packet one-way delay: 65.866 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 74.14 Mbit/s

95th percentile per-packet one-way delay: 65.769 ms

Loss rate: 2.36%

-- Flow 2:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 66.820 ms

Loss rate: 1.87%

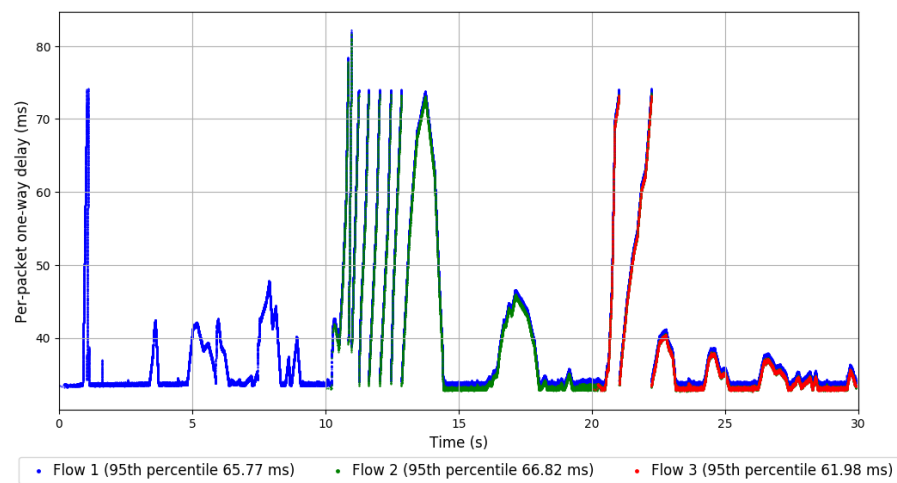
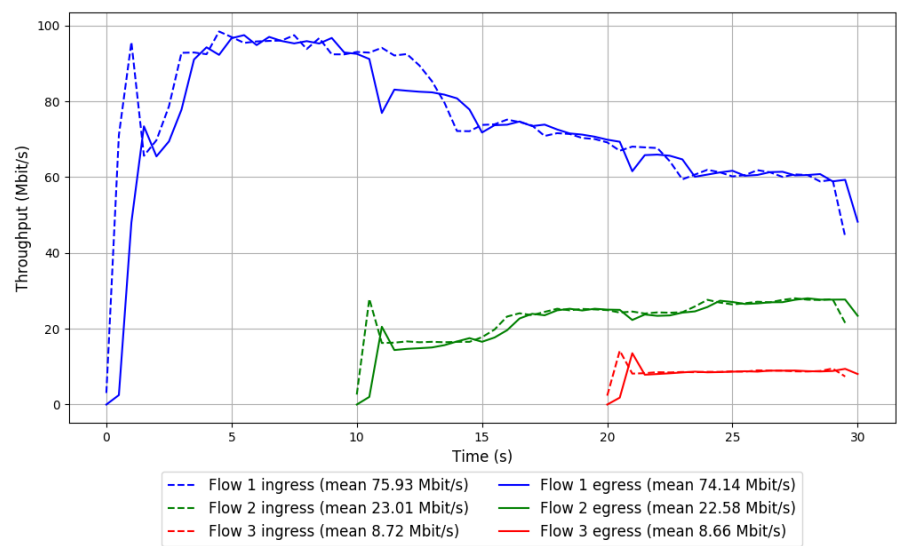
-- Flow 3:

Average throughput: 8.66 Mbit/s

95th percentile per-packet one-way delay: 61.978 ms

Loss rate: 0.78%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 06:53:48

End at: 2018-05-22 06:54:18

Local clock offset: 0.533 ms

Remote clock offset: 3.353 ms

Below is generated by plot.py at 2018-05-22 07:09:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 66.092 ms

Loss rate: 6.72%

-- Flow 1:

Average throughput: 81.72 Mbit/s

95th percentile per-packet one-way delay: 65.580 ms

Loss rate: 6.03%

-- Flow 2:

Average throughput: 8.44 Mbit/s

95th percentile per-packet one-way delay: 67.841 ms

Loss rate: 8.44%

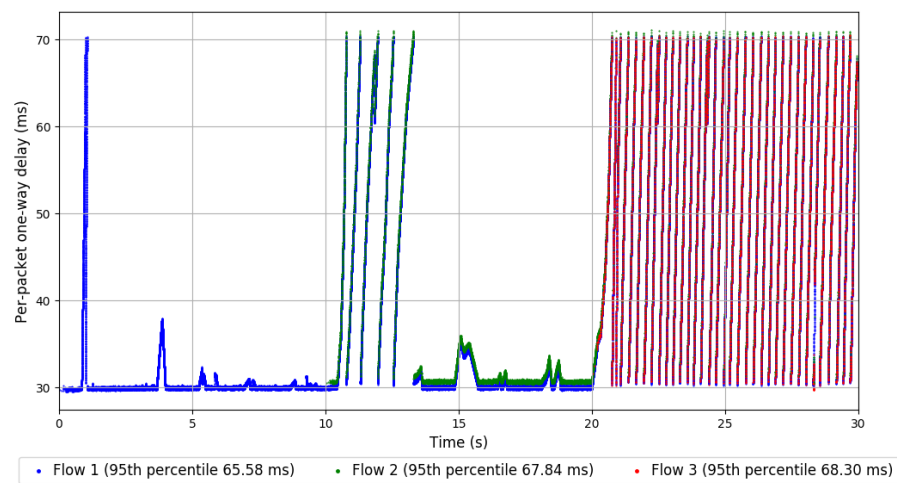
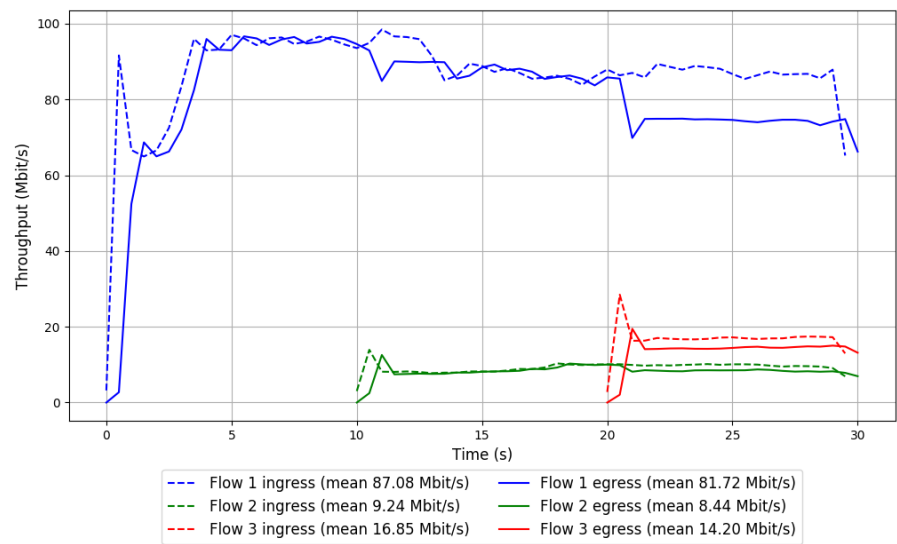
-- Flow 3:

Average throughput: 14.20 Mbit/s

95th percentile per-packet one-way delay: 68.304 ms

Loss rate: 15.46%

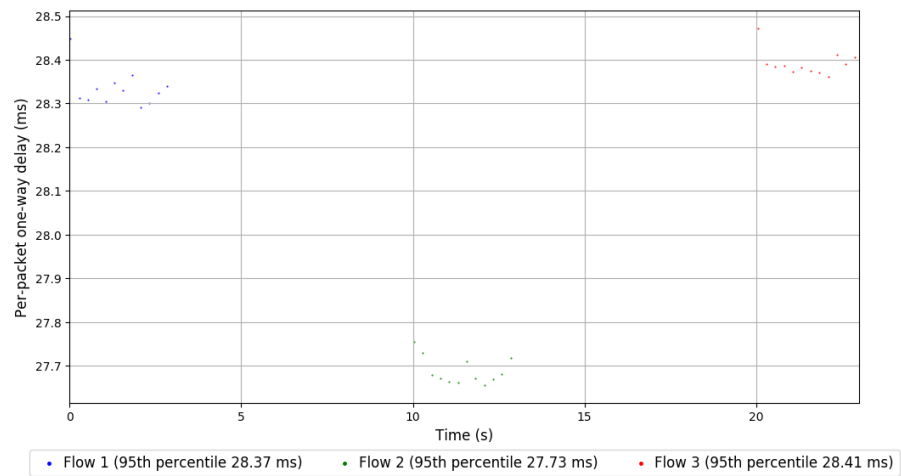
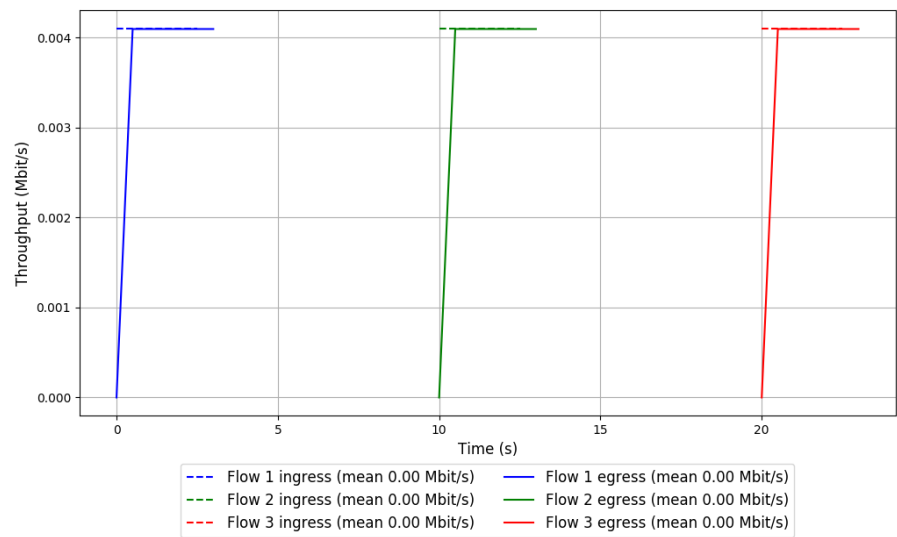
Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 03:32:12
End at: 2018-05-22 03:32:42
Local clock offset: 1.731 ms
Remote clock offset: -4.594 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

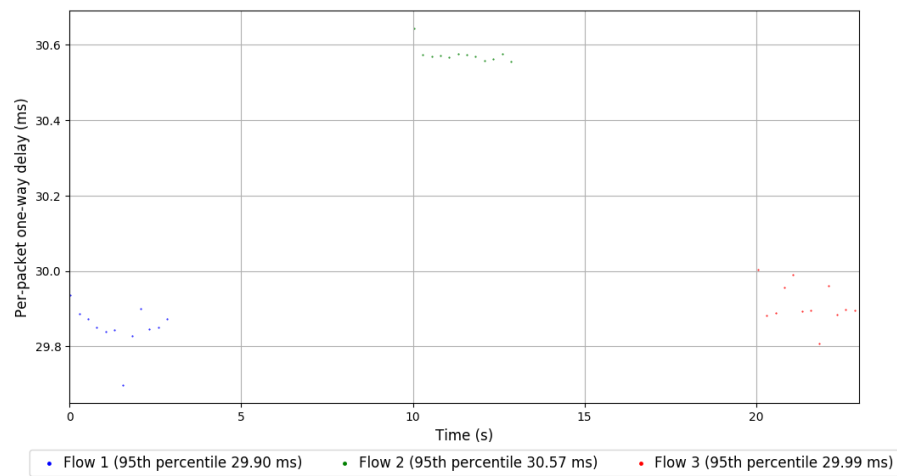
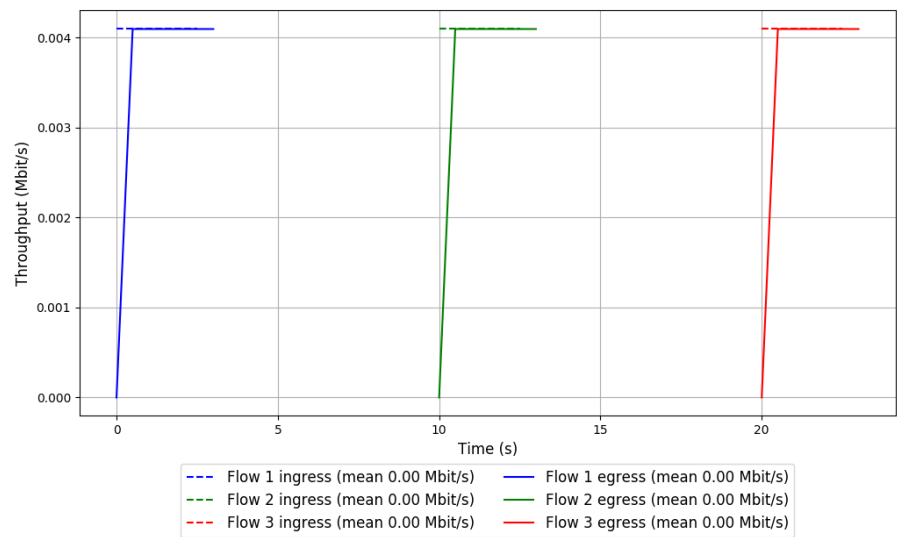
Start at: 2018-05-22 03:53:39

End at: 2018-05-22 03:54:09

Local clock offset: 1.539 ms

Remote clock offset: -5.46 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

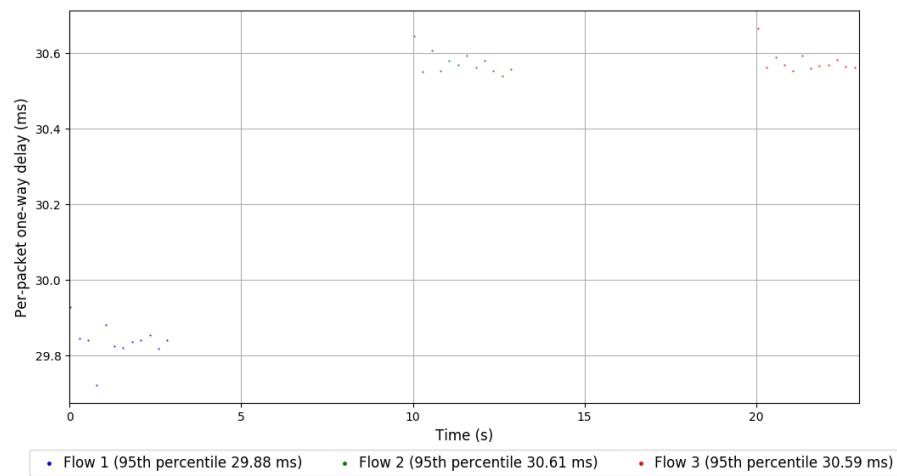
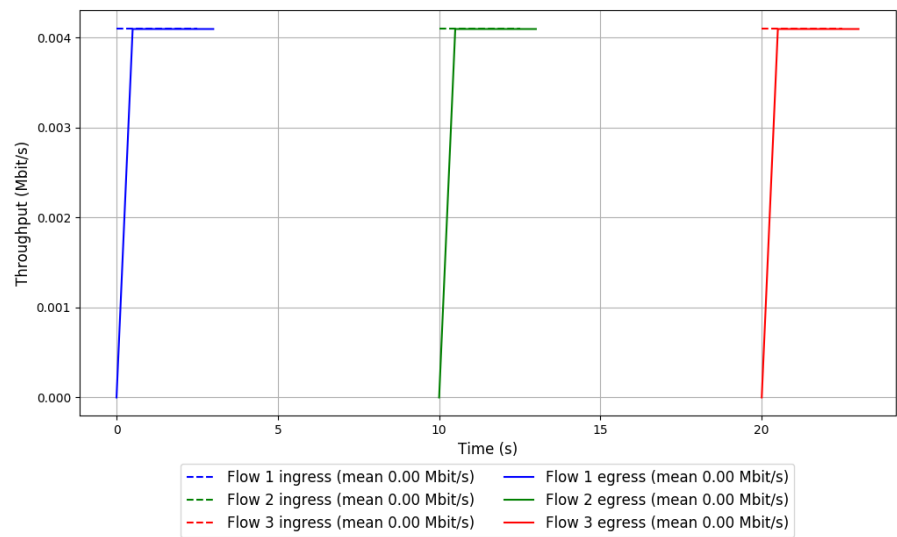
Start at: 2018-05-22 04:15:52

End at: 2018-05-22 04:16:22

Local clock offset: 0.663 ms

Remote clock offset: -7.545 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

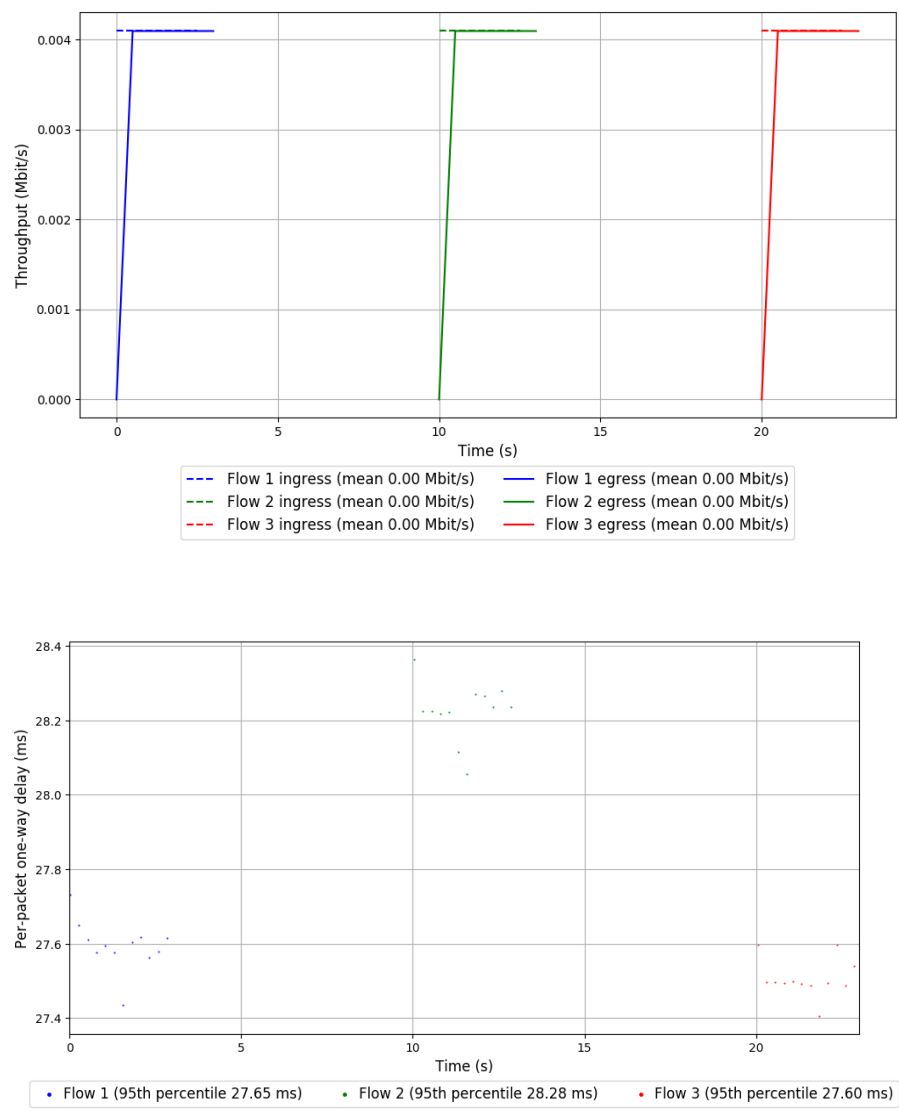
Start at: 2018-05-22 04:37:07

End at: 2018-05-22 04:37:37

Local clock offset: 0.817 ms

Remote clock offset: -2.862 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

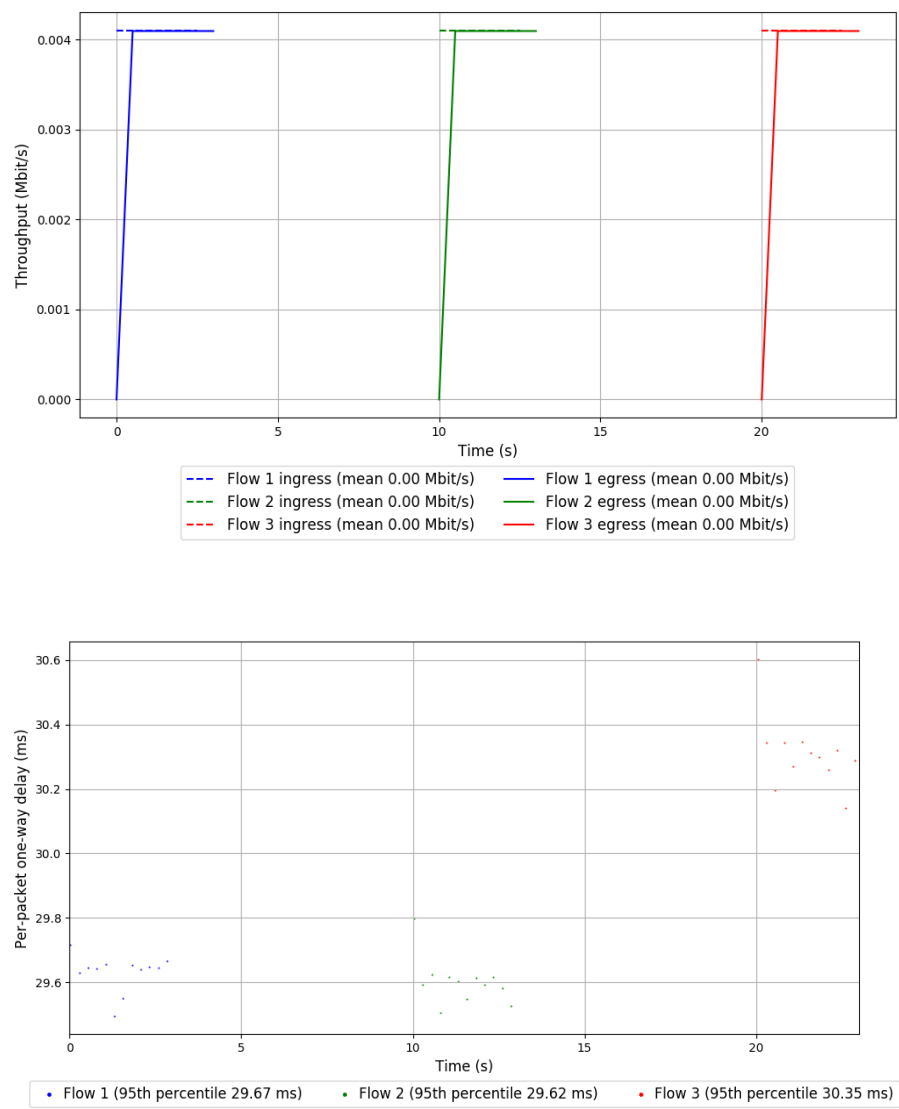
Start at: 2018-05-22 04:58:22

End at: 2018-05-22 04:58:52

Local clock offset: 0.751 ms

Remote clock offset: 1.896 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

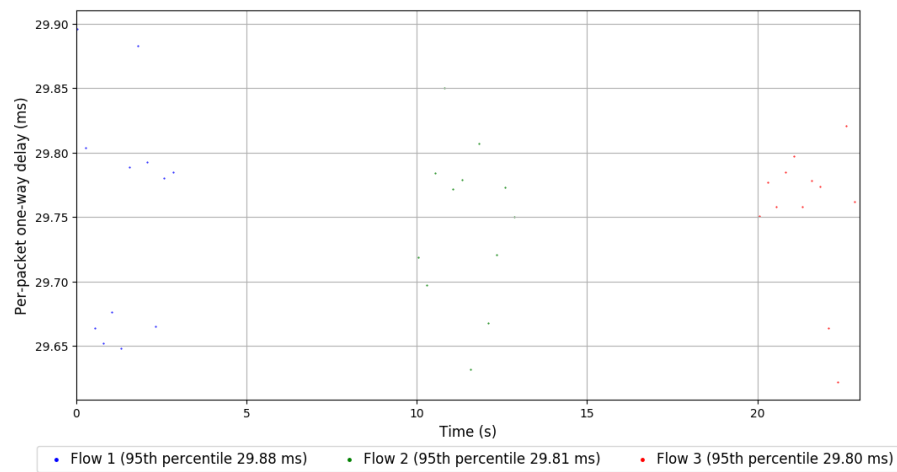
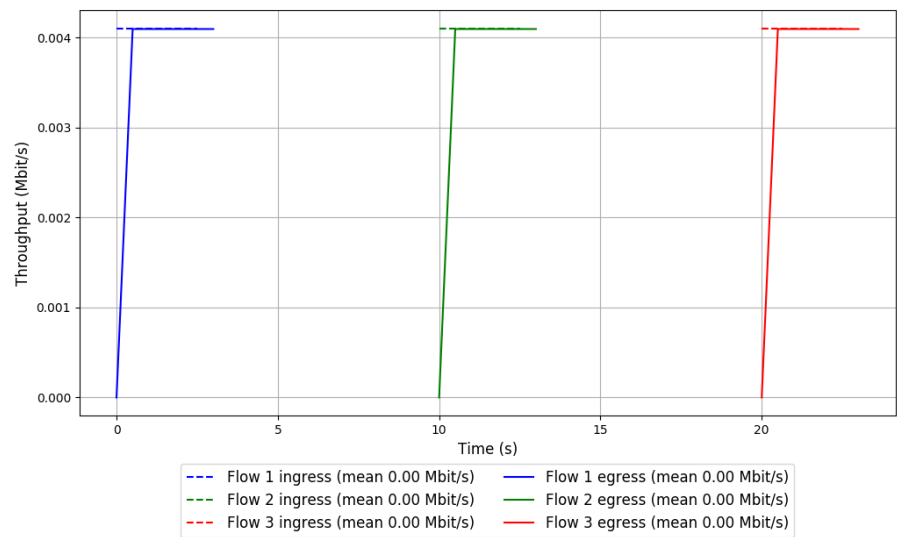
Start at: 2018-05-22 05:19:38

End at: 2018-05-22 05:20:08

Local clock offset: 0.458 ms

Remote clock offset: 4.124 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

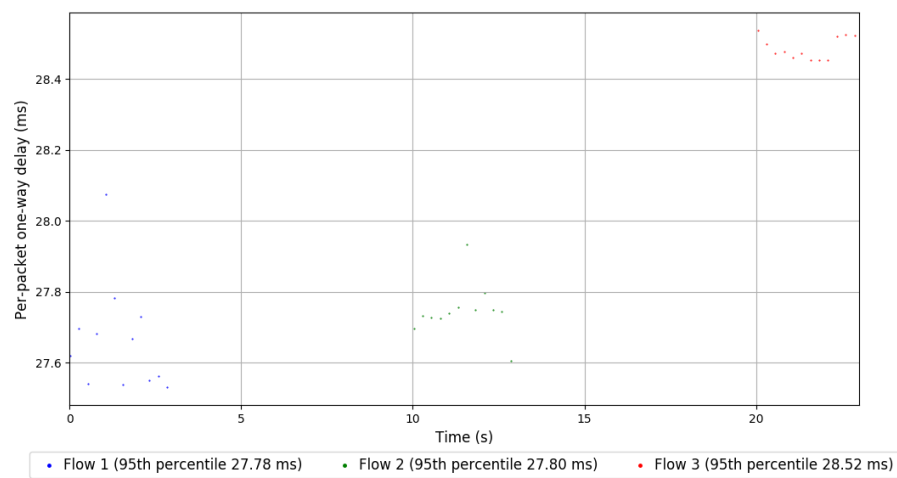
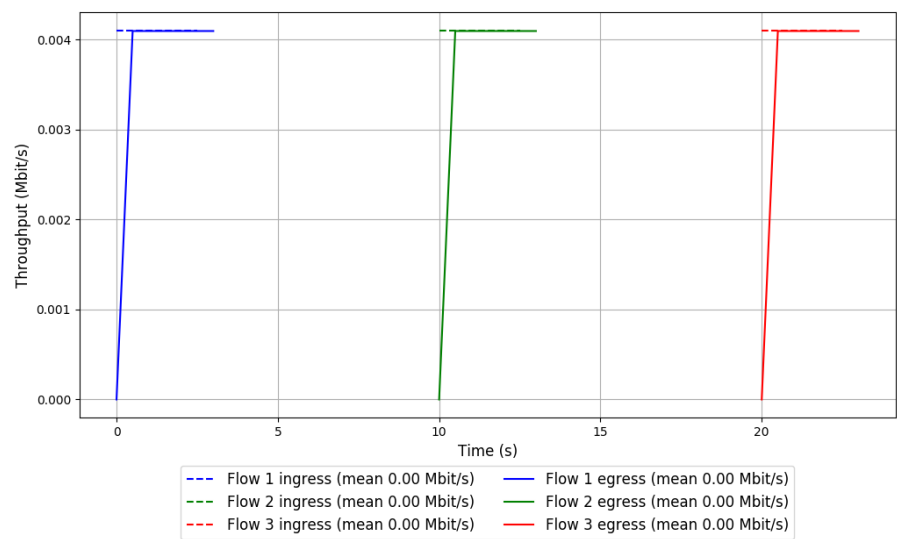
Start at: 2018-05-22 05:40:56

End at: 2018-05-22 05:41:26

Local clock offset: 1.313 ms

Remote clock offset: -1.892 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

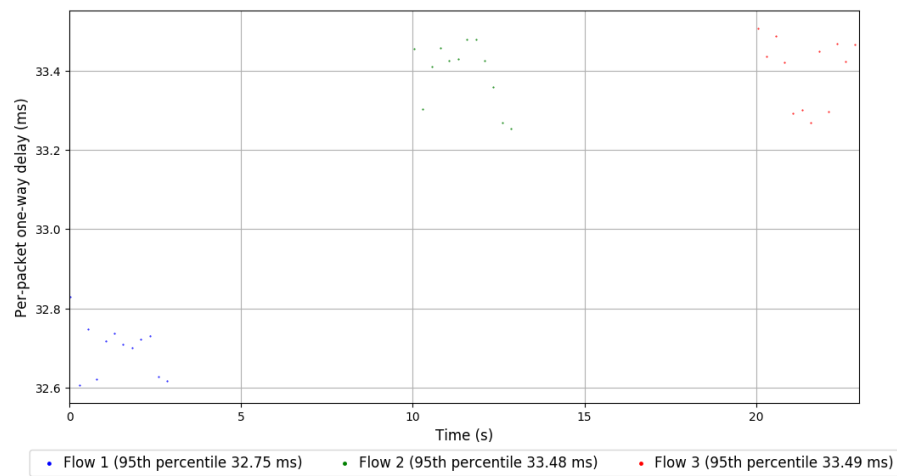
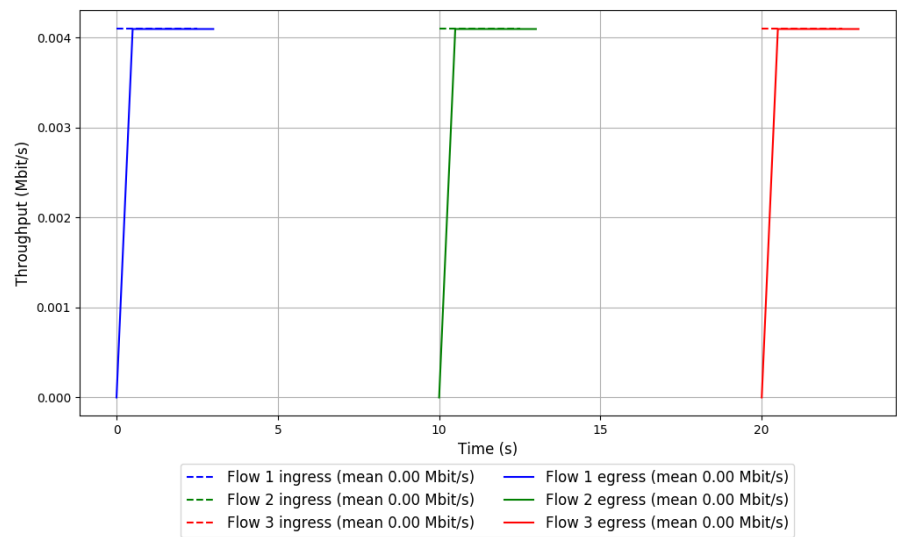
Start at: 2018-05-22 06:03:13

End at: 2018-05-22 06:03:43

Local clock offset: 1.086 ms

Remote clock offset: 0.056 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

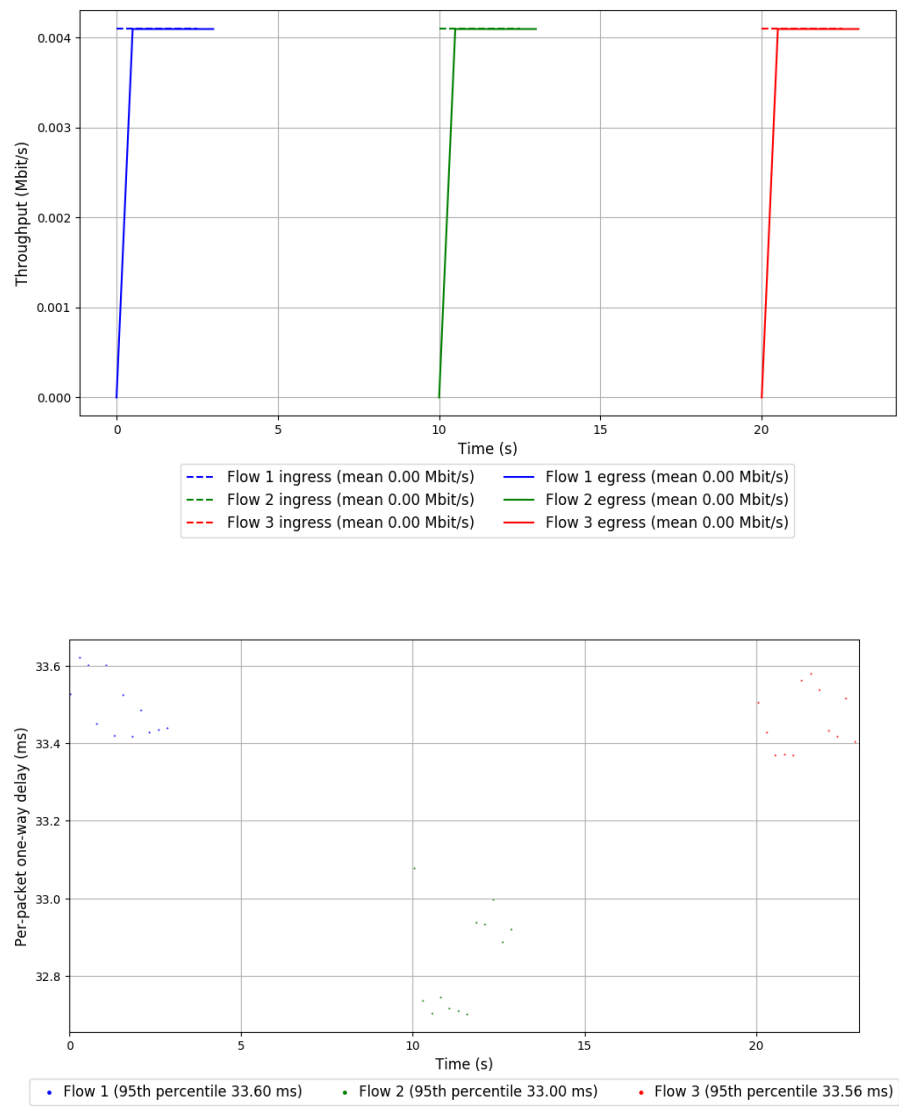
Start at: 2018-05-22 06:25:29

End at: 2018-05-22 06:25:59

Local clock offset: 0.609 ms

Remote clock offset: 6.607 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

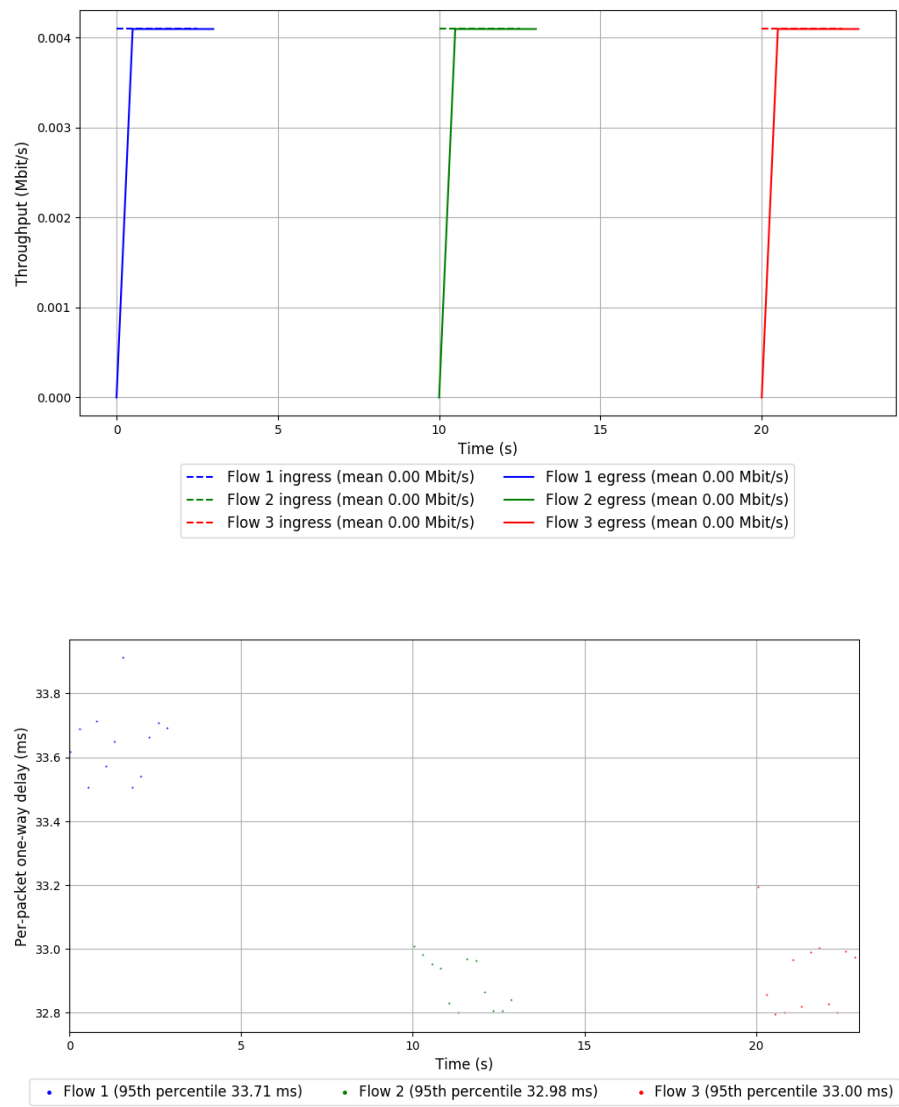
Start at: 2018-05-22 06:47:08

End at: 2018-05-22 06:47:39

Local clock offset: 0.491 ms

Remote clock offset: 6.779 ms

Run 10: Report of PCC-Expr — Data Link

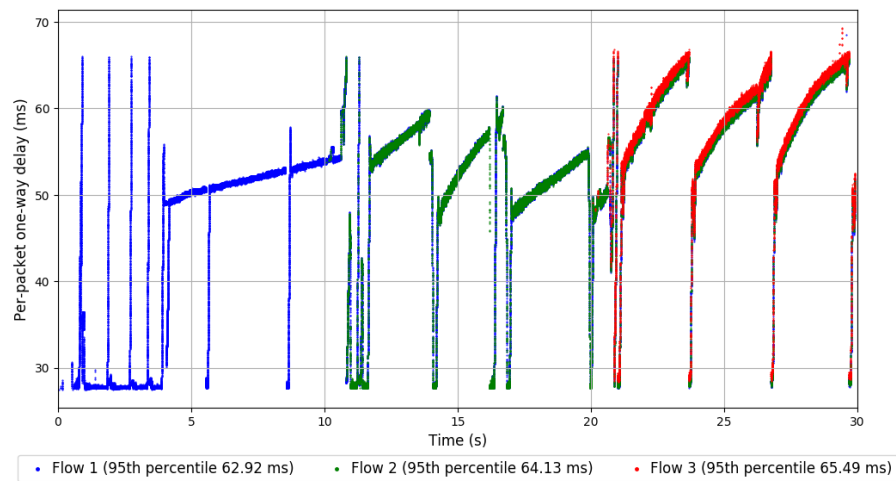
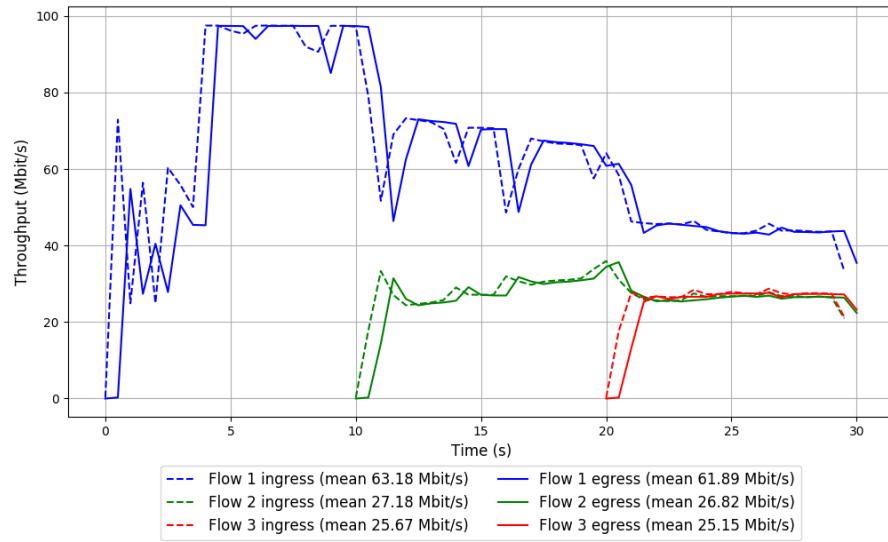


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 03:36:09
End at: 2018-05-22 03:36:39
Local clock offset: 1.638 ms
Remote clock offset: -5.355 ms

Below is generated by plot.py at 2018-05-22 07:09:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 63.922 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 61.89 Mbit/s
95th percentile per-packet one-way delay: 62.916 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 64.131 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 65.488 ms
Loss rate: 1.98%

Run 1: Report of QUIC Cubic — Data Link

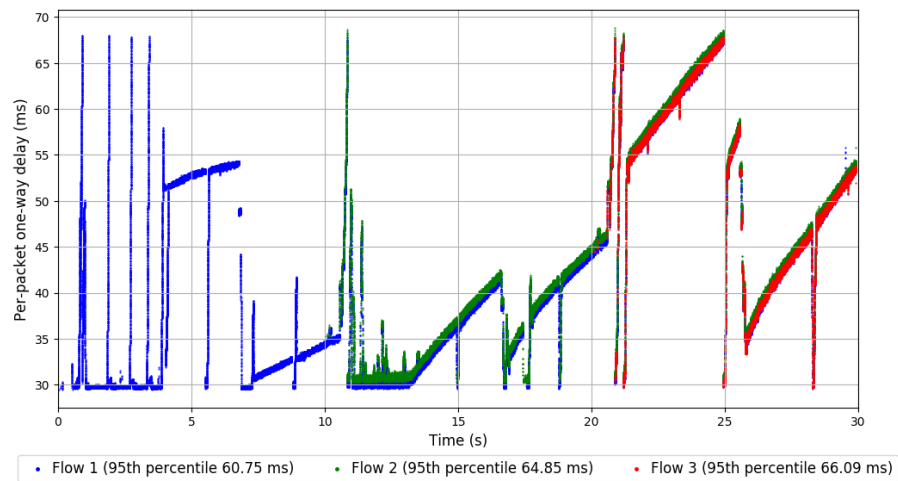
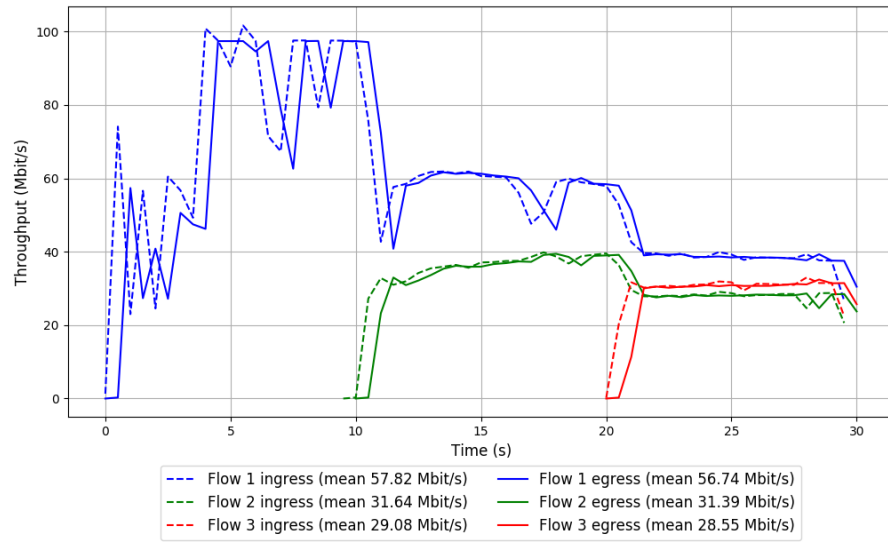


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 03:57:51
End at: 2018-05-22 03:58:21
Local clock offset: 1.533 ms
Remote clock offset: -5.942 ms

Below is generated by plot.py at 2018-05-22 07:09:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 63.659 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 60.750 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 64.847 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 28.55 Mbit/s
95th percentile per-packet one-way delay: 66.088 ms
Loss rate: 1.74%

Run 2: Report of QUIC Cubic — Data Link

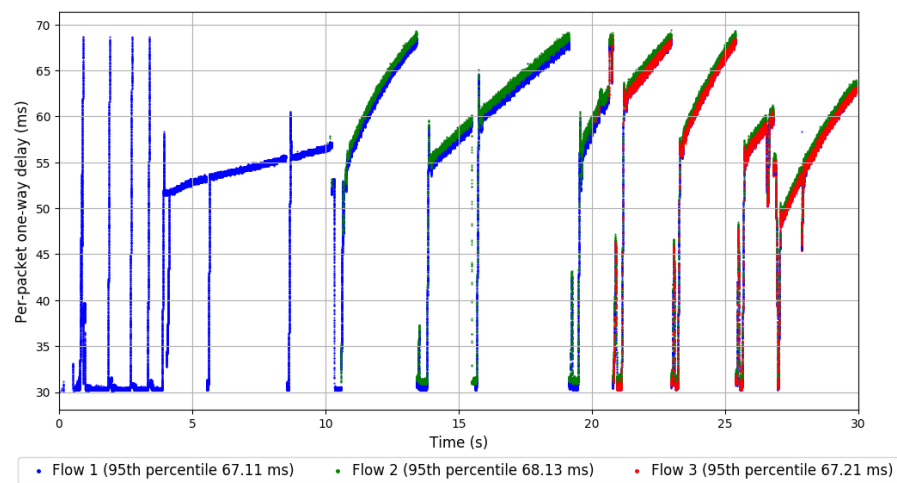
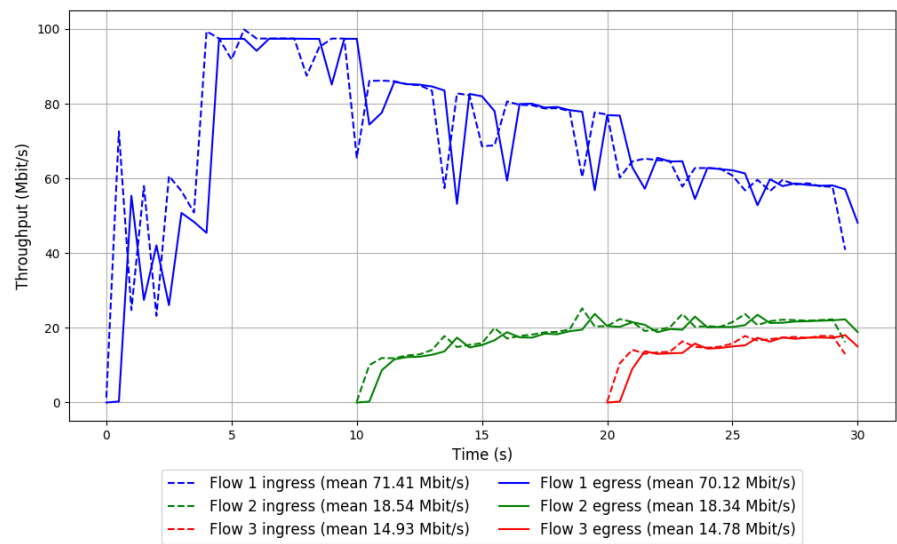


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 04:19:49
End at: 2018-05-22 04:20:19
Local clock offset: 0.621 ms
Remote clock offset: -7.513 ms

Below is generated by plot.py at 2018-05-22 07:09:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 67.269 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 67.109 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 68.134 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 67.213 ms
Loss rate: 1.01%

Run 3: Report of QUIC Cubic — Data Link

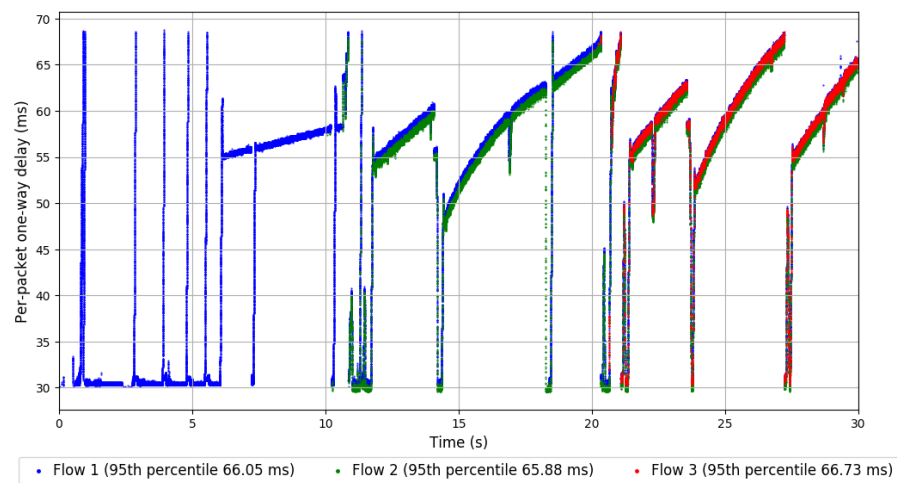
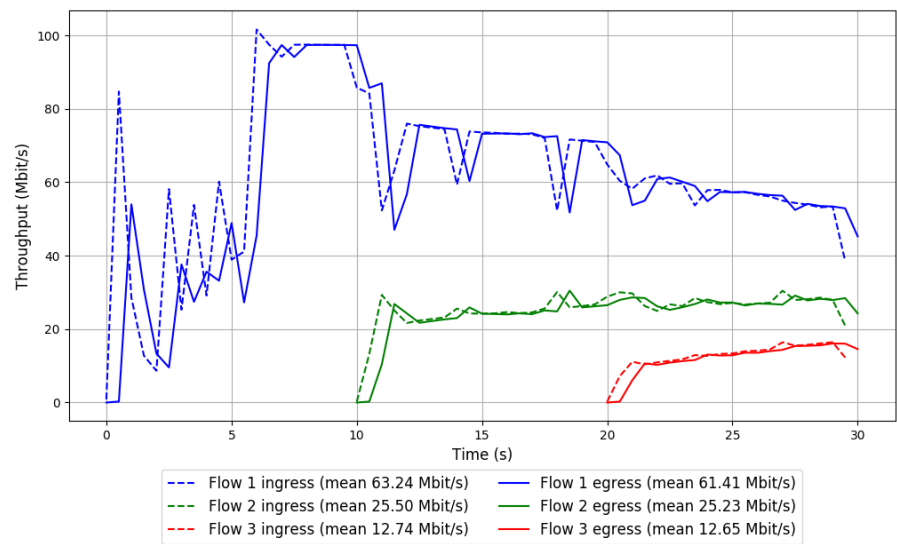


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 04:41:04
End at: 2018-05-22 04:41:34
Local clock offset: 0.841 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-22 07:09:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 66.048 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 66.049 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 65.881 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 66.735 ms
Loss rate: 0.75%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 05:02:20

End at: 2018-05-22 05:02:50

Local clock offset: 0.625 ms

Remote clock offset: 2.903 ms

Below is generated by plot.py at 2018-05-22 07:09:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 66.899 ms

Loss rate: 1.80%

-- Flow 1:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 66.453 ms

Loss rate: 1.97%

-- Flow 2:

Average throughput: 26.67 Mbit/s

95th percentile per-packet one-way delay: 67.722 ms

Loss rate: 1.31%

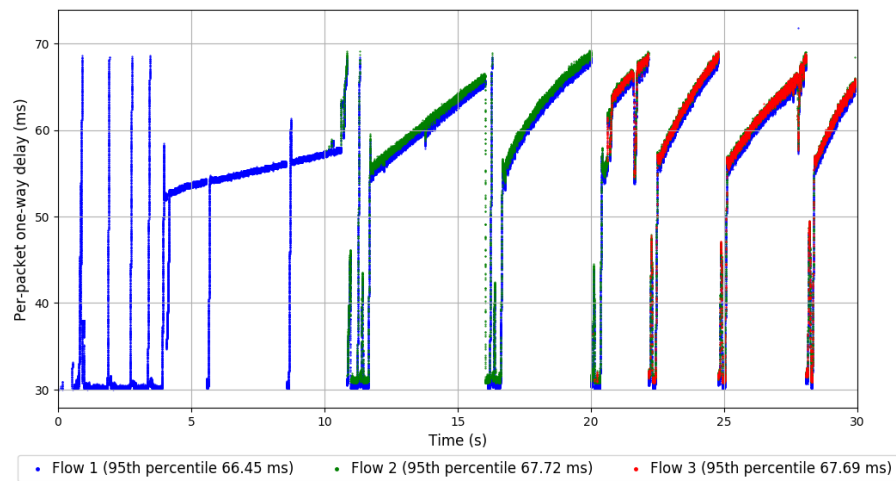
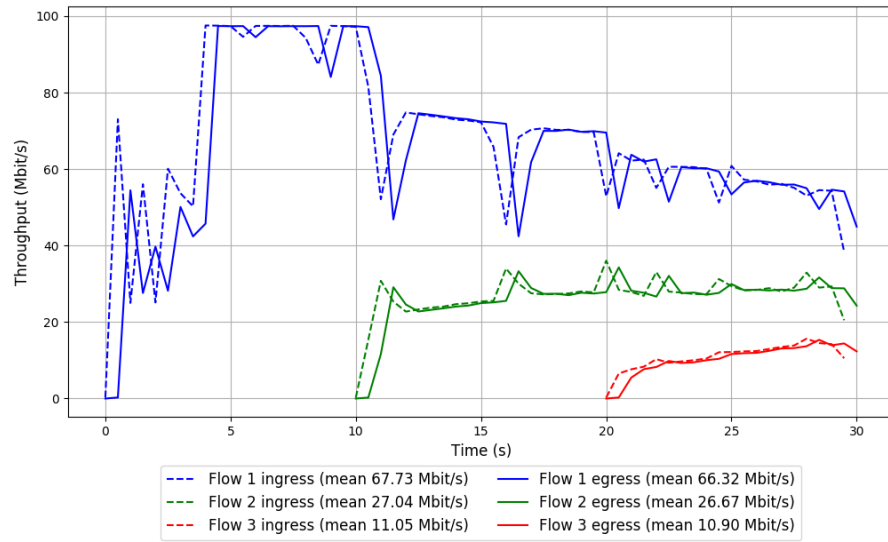
-- Flow 3:

Average throughput: 10.90 Mbit/s

95th percentile per-packet one-way delay: 67.692 ms

Loss rate: 1.07%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 05:23:36

End at: 2018-05-22 05:24:06

Local clock offset: 0.439 ms

Remote clock offset: 2.281 ms

Below is generated by plot.py at 2018-05-22 07:10:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 61.695 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 49.49 Mbit/s

95th percentile per-packet one-way delay: 60.825 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 62.052 ms

Loss rate: 2.79%

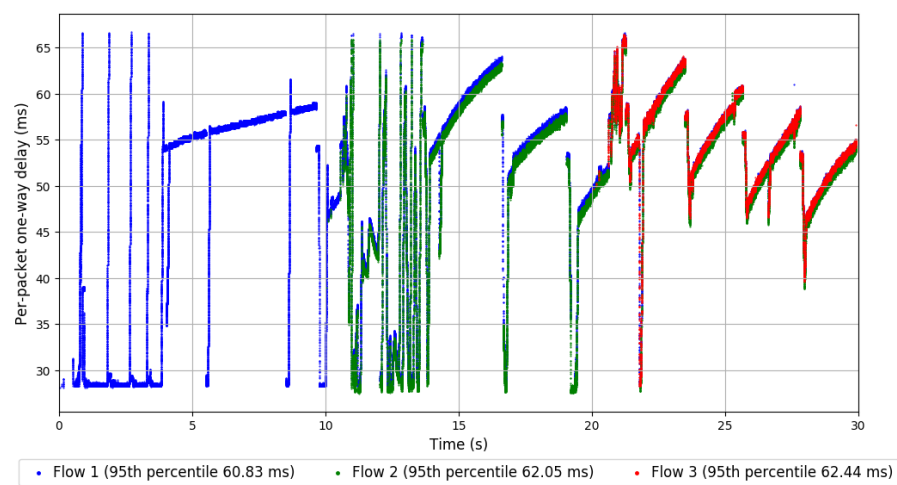
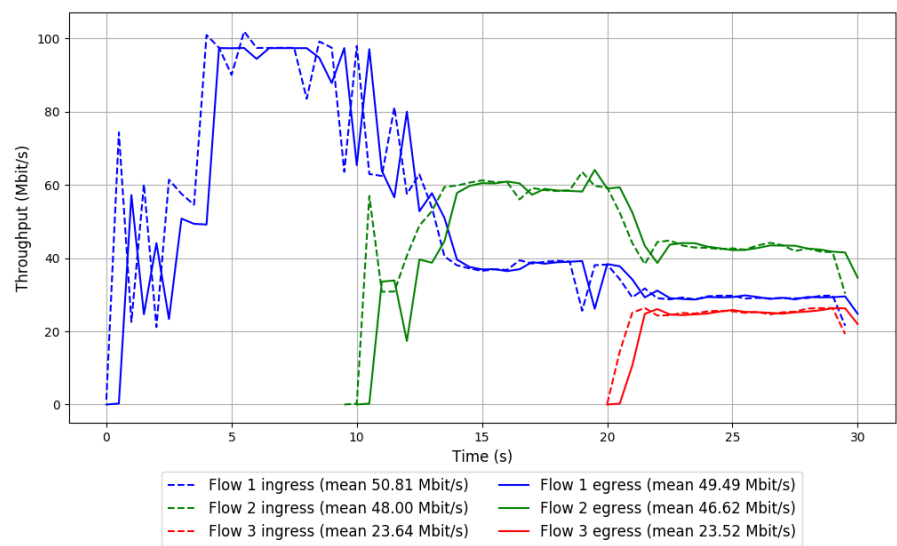
-- Flow 3:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 62.444 ms

Loss rate: 0.46%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 05:44:53

End at: 2018-05-22 05:45:23

Local clock offset: 1.377 ms

Remote clock offset: 2.93 ms

Below is generated by plot.py at 2018-05-22 07:10:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.20 Mbit/s

95th percentile per-packet one-way delay: 70.438 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 62.76 Mbit/s

95th percentile per-packet one-way delay: 70.221 ms

Loss rate: 2.81%

-- Flow 2:

Average throughput: 21.34 Mbit/s

95th percentile per-packet one-way delay: 70.826 ms

Loss rate: 1.10%

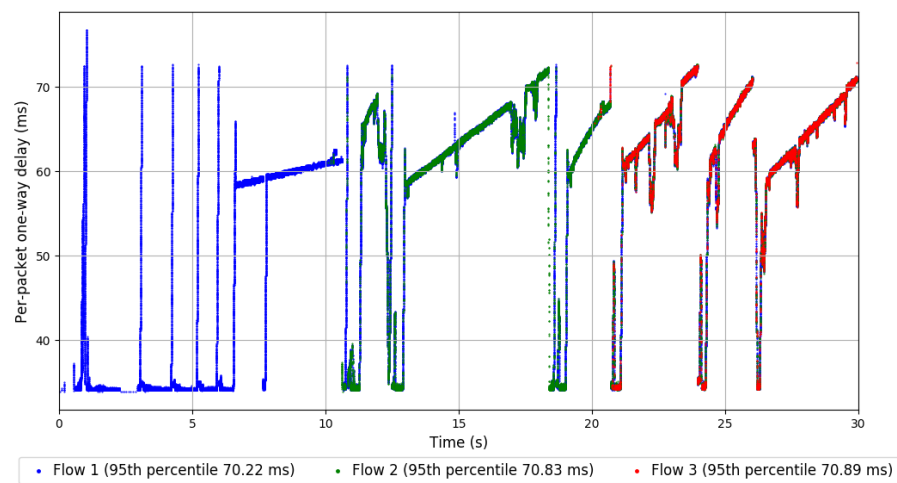
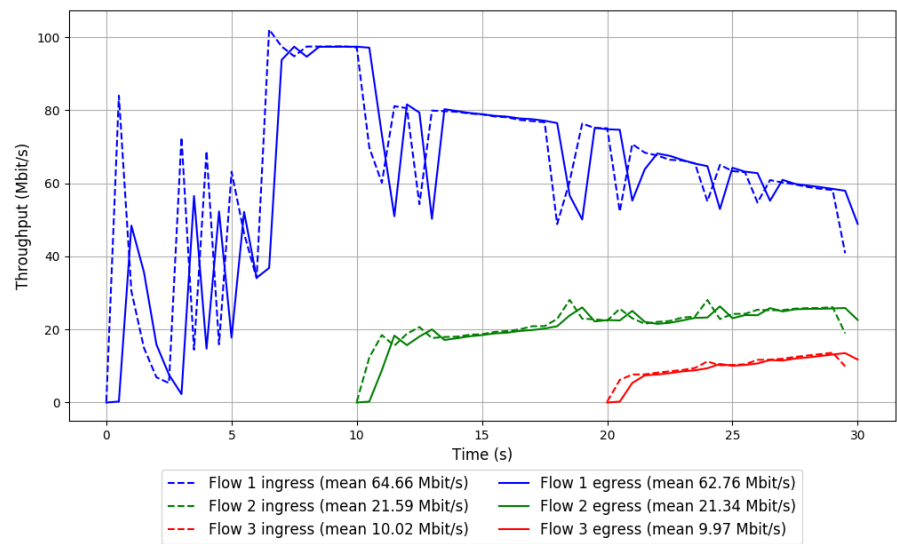
-- Flow 3:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 70.888 ms

Loss rate: 0.44%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 06:07:20

End at: 2018-05-22 06:07:50

Local clock offset: 0.941 ms

Remote clock offset: 1.454 ms

Below is generated by plot.py at 2018-05-22 07:10:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.20 Mbit/s

95th percentile per-packet one-way delay: 69.598 ms

Loss rate: 3.19%

-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 69.663 ms

Loss rate: 3.72%

-- Flow 2:

Average throughput: 16.75 Mbit/s

95th percentile per-packet one-way delay: 69.686 ms

Loss rate: 1.38%

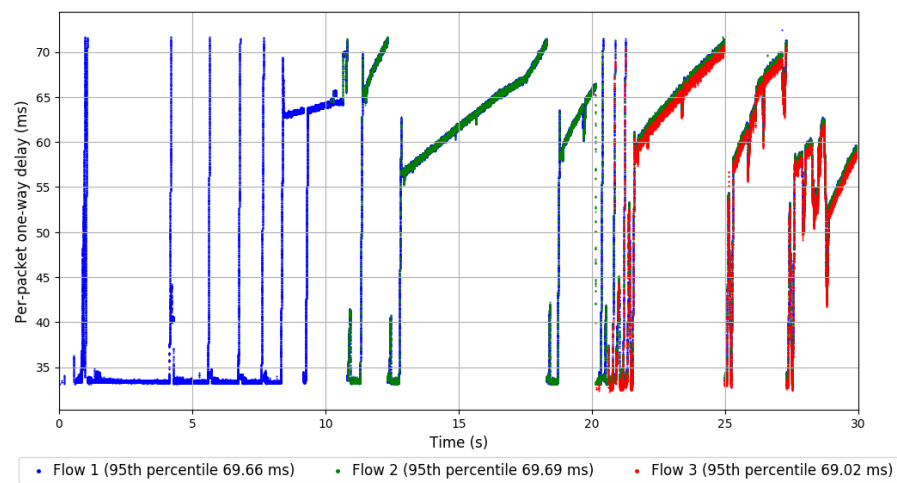
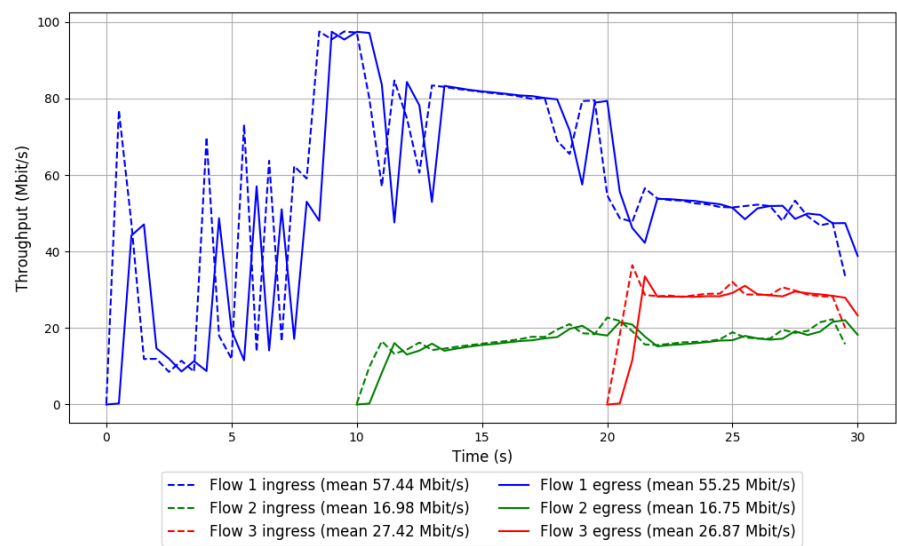
-- Flow 3:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 69.024 ms

Loss rate: 2.07%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 06:29:35

End at: 2018-05-22 06:30:05

Local clock offset: 0.682 ms

Remote clock offset: 6.864 ms

Below is generated by plot.py at 2018-05-22 07:10:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.92 Mbit/s

95th percentile per-packet one-way delay: 69.904 ms

Loss rate: 4.74%

-- Flow 1:

Average throughput: 50.89 Mbit/s

95th percentile per-packet one-way delay: 69.400 ms

Loss rate: 4.79%

-- Flow 2:

Average throughput: 11.19 Mbit/s

95th percentile per-packet one-way delay: 69.243 ms

Loss rate: 1.98%

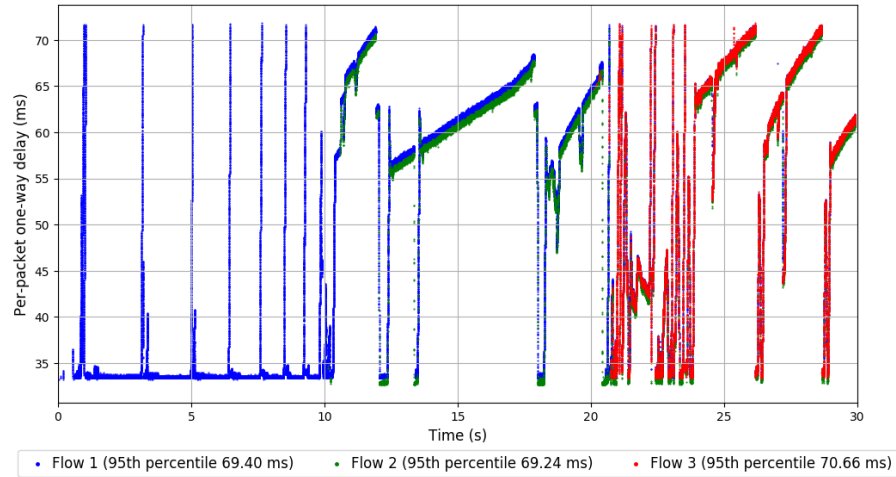
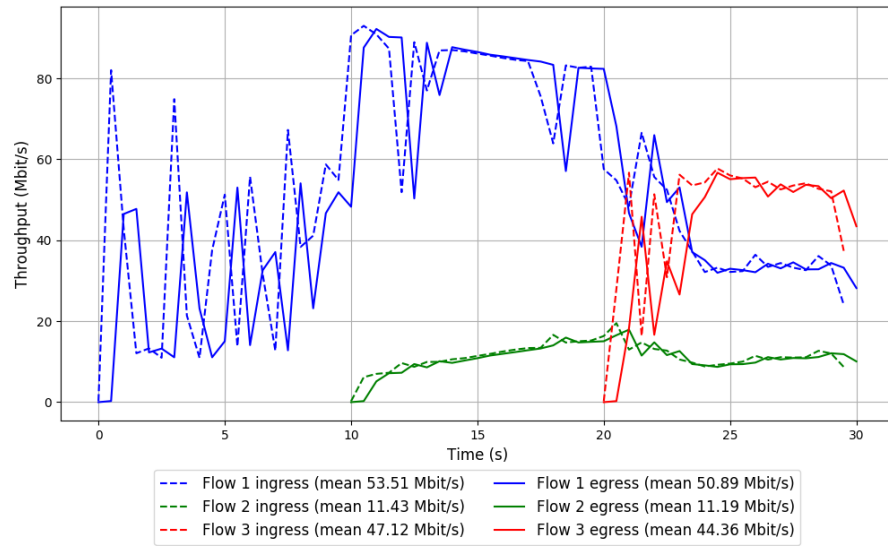
-- Flow 3:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 70.662 ms

Loss rate: 5.89%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 06:51:06

End at: 2018-05-22 06:51:36

Local clock offset: 0.453 ms

Remote clock offset: 6.603 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.02 Mbit/s

95th percentile per-packet one-way delay: 67.616 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 63.53 Mbit/s

95th percentile per-packet one-way delay: 67.272 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 67.913 ms

Loss rate: 0.94%

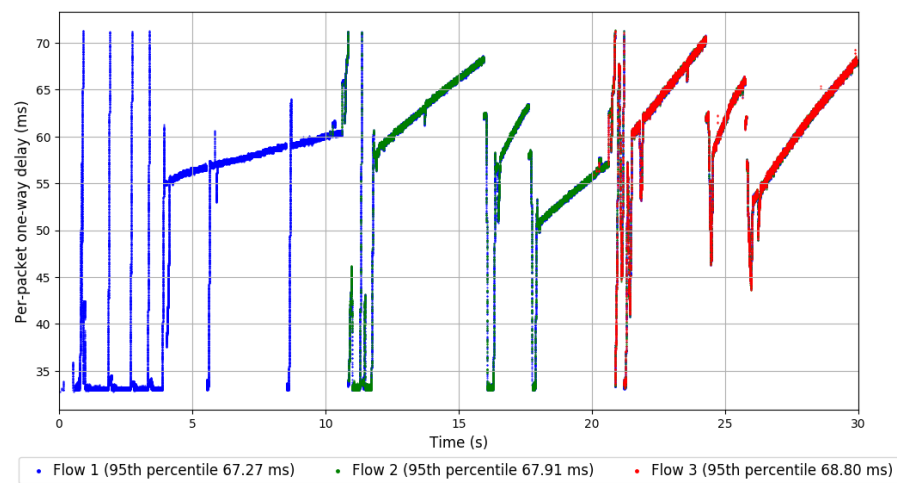
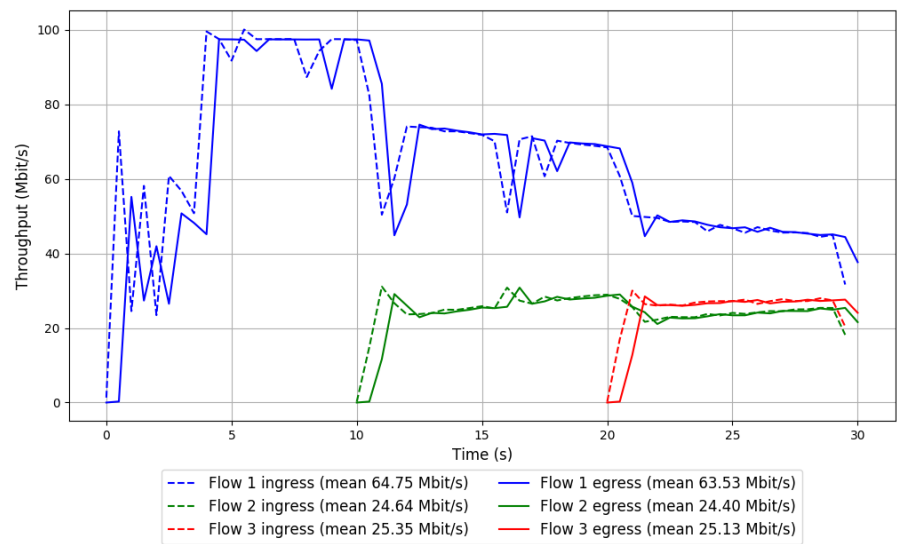
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 68.803 ms

Loss rate: 0.77%

Run 10: Report of QUIC Cubic — Data Link

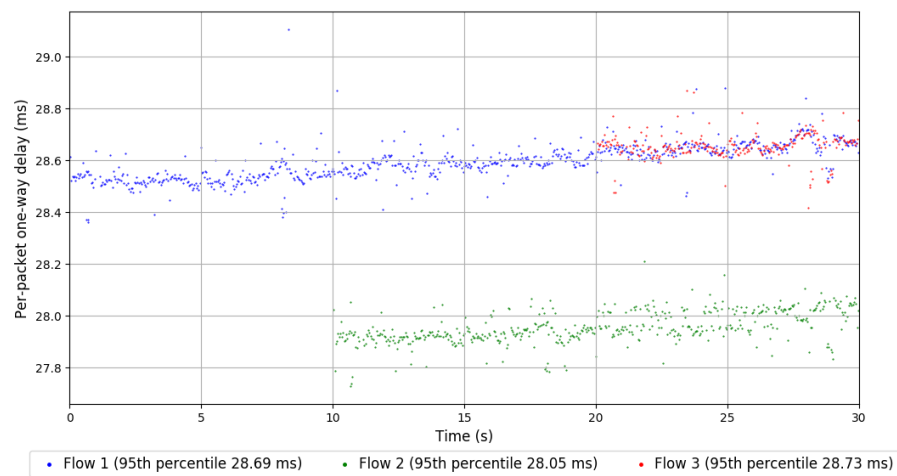
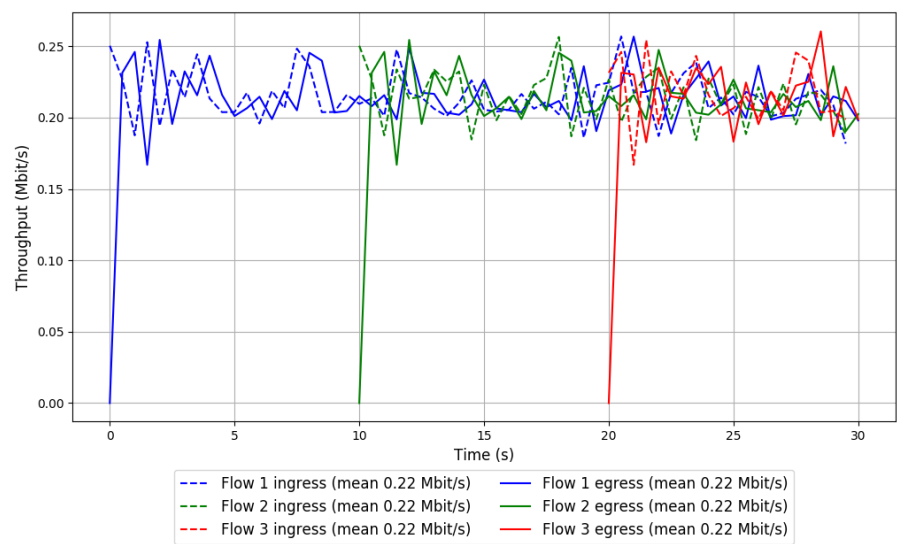


```
Run 1: Statistics of SReAM

Start at: 2018-05-22 03:25:38
End at: 2018-05-22 03:26:08
Local clock offset: 1.866 ms
Remote clock offset: -2.692 ms

# Below is generated by plot.py at 2018-05-22 07:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 28.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.693 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.729 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

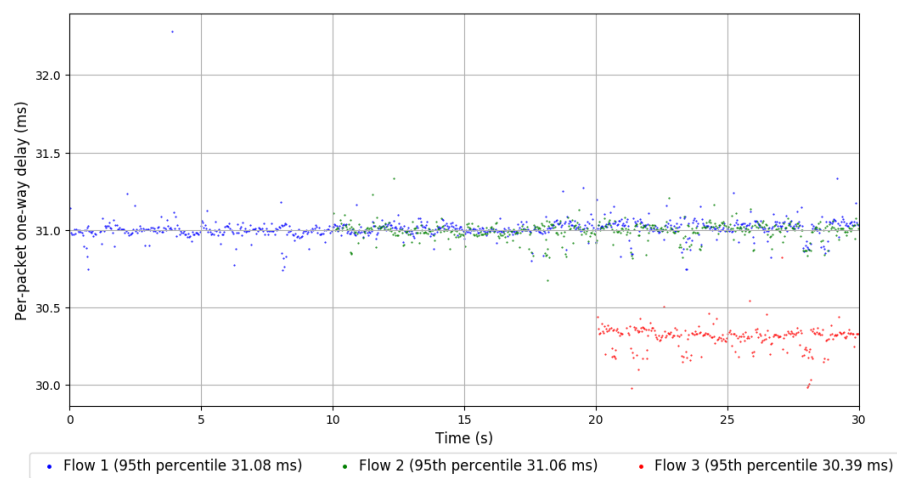
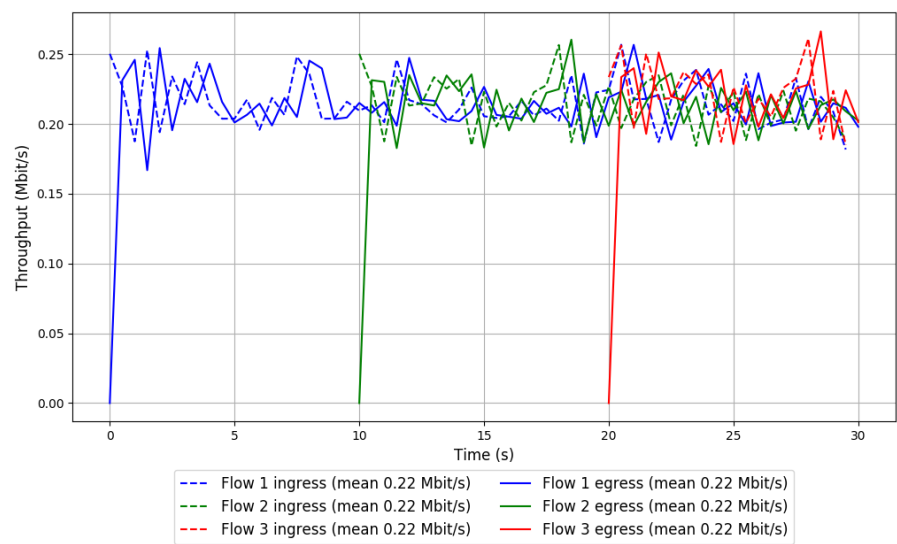


Run 2: Statistics of SReAM

Start at: 2018-05-22 03:47:04
End at: 2018-05-22 03:47:34
Local clock offset: 1.621 ms
Remote clock offset: -4.331 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.385 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

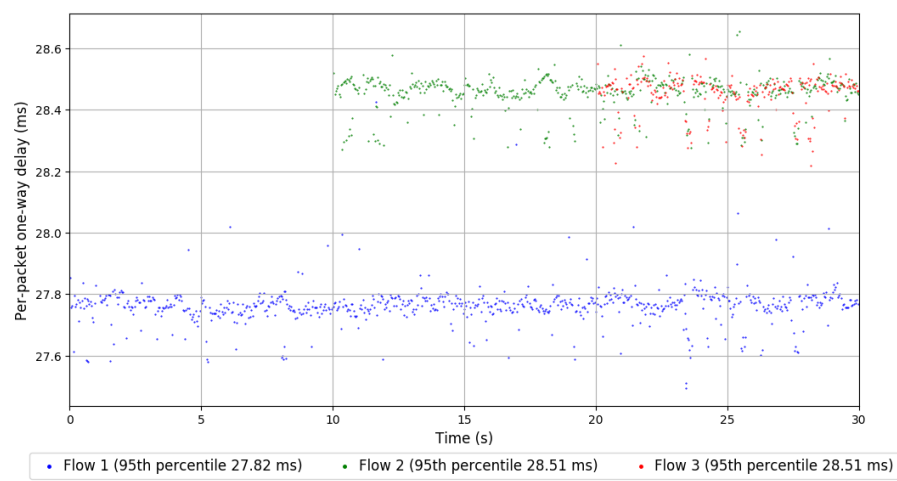
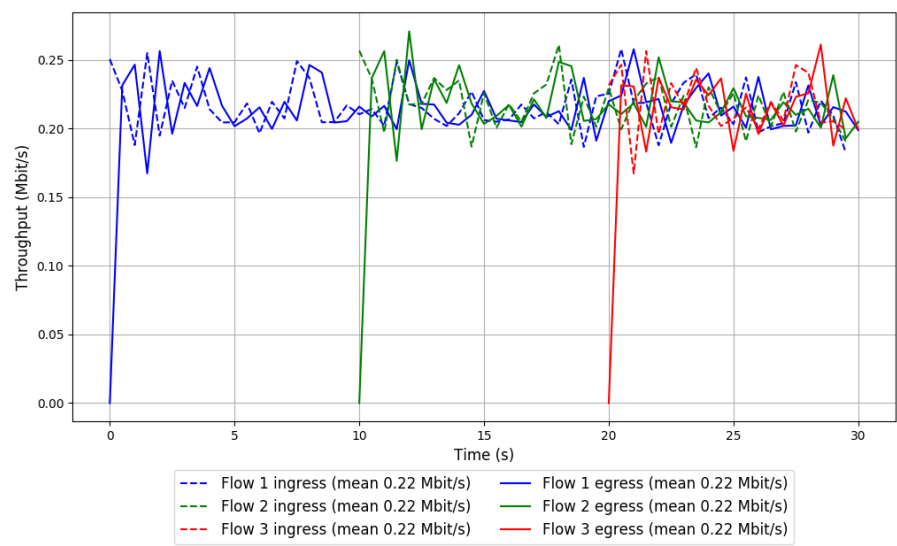


Run 3: Statistics of SReAM

Start at: 2018-05-22 04:09:17
End at: 2018-05-22 04:09:47
Local clock offset: 0.907 ms
Remote clock offset: -9.033 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 28.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.514 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

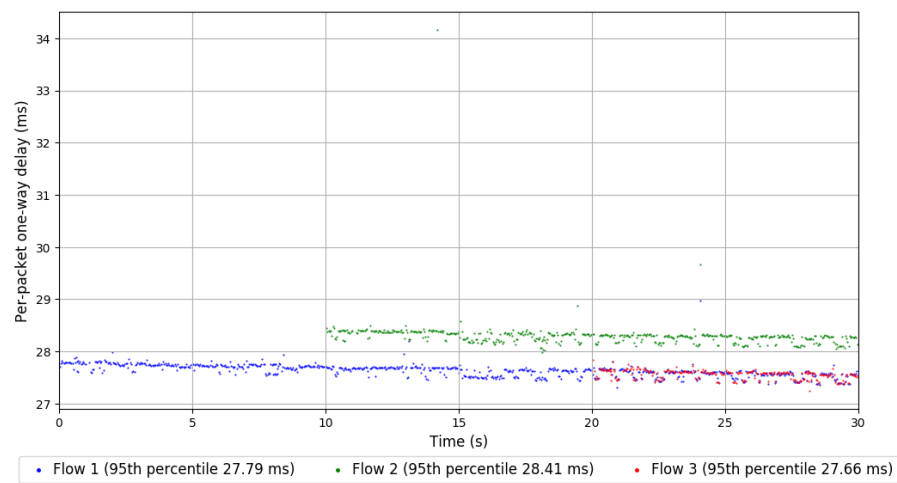
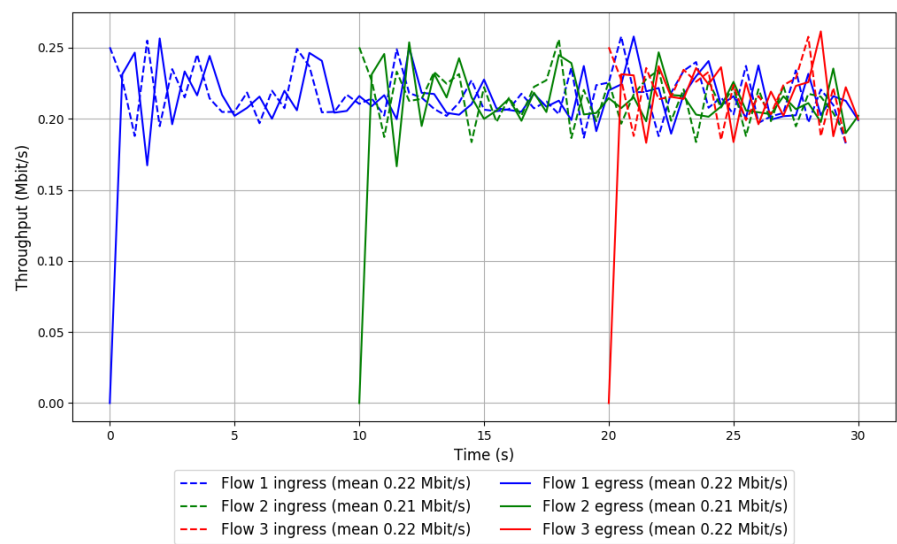


Run 4: Statistics of SReAM

Start at: 2018-05-22 04:30:32
End at: 2018-05-22 04:31:02
Local clock offset: 0.632 ms
Remote clock offset: -5.014 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 28.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 28.405 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.665 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-05-22 04:51:46

End at: 2018-05-22 04:52:16

Local clock offset: 0.852 ms

Remote clock offset: 1.763 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.994 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.340 ms

Loss rate: 0.00%

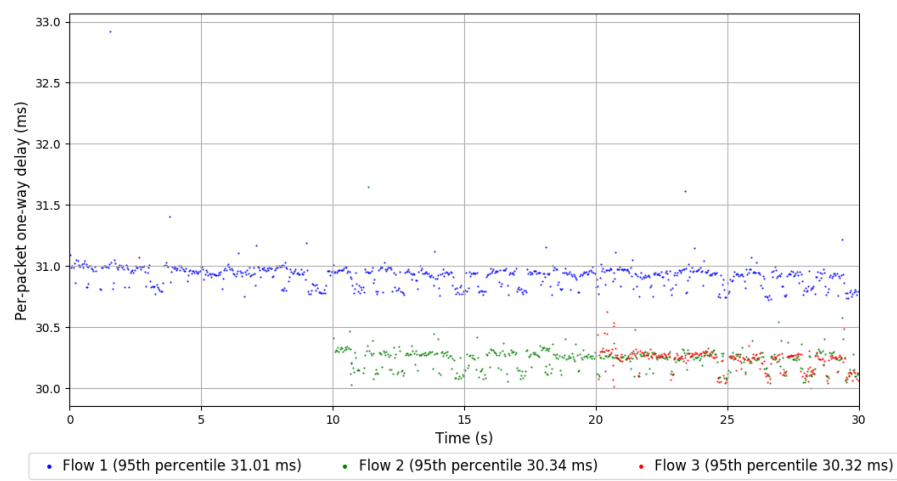
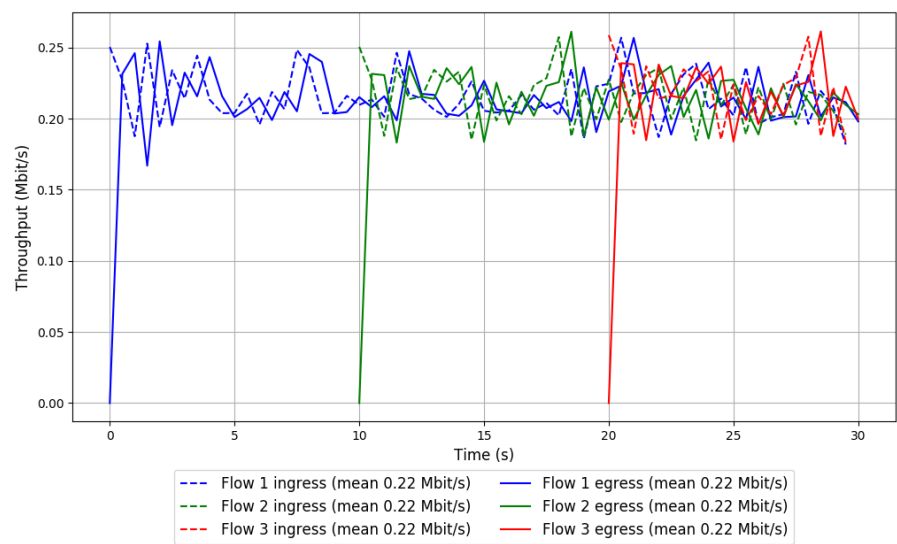
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.317 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-22 05:13:03

End at: 2018-05-22 05:13:33

Local clock offset: 0.499 ms

Remote clock offset: 3.618 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.638 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.649 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.968 ms

Loss rate: 0.00%

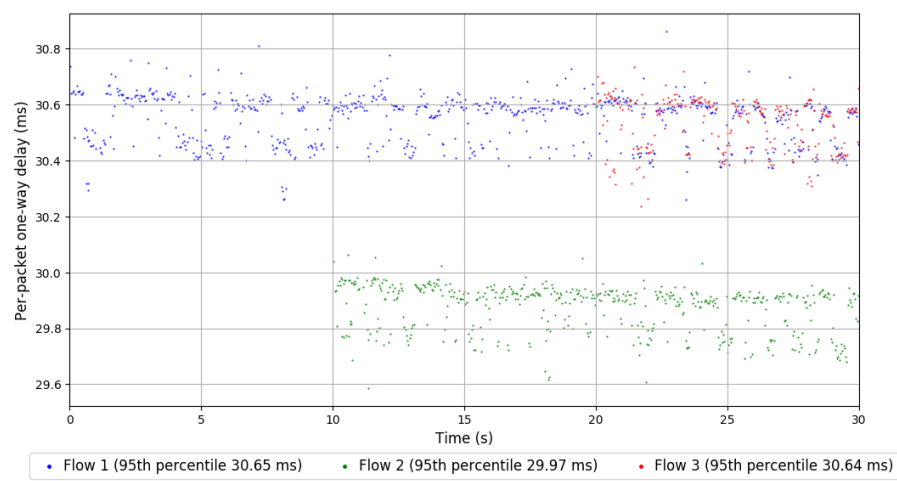
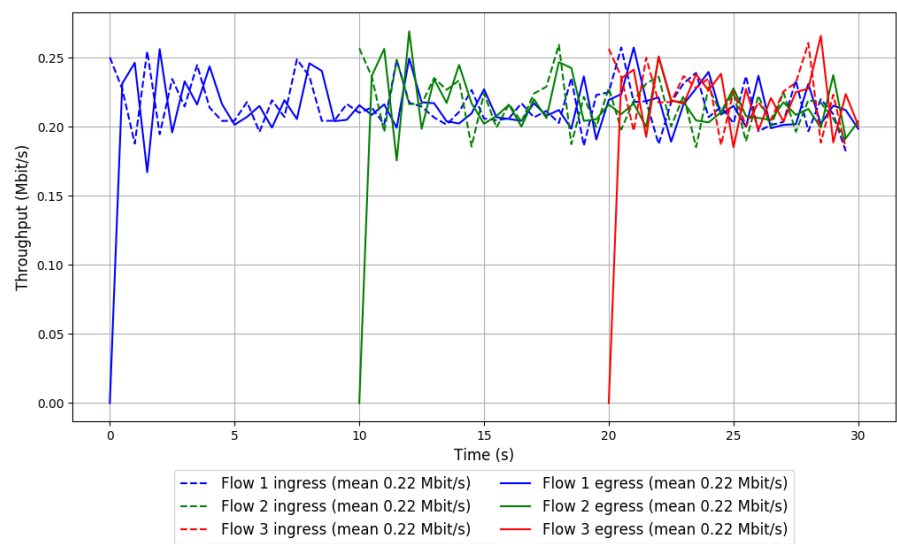
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.637 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-05-22 05:34:21

End at: 2018-05-22 05:34:51

Local clock offset: 1.094 ms

Remote clock offset: 3.335 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 31.377 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.381 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.810 ms

Loss rate: 0.00%

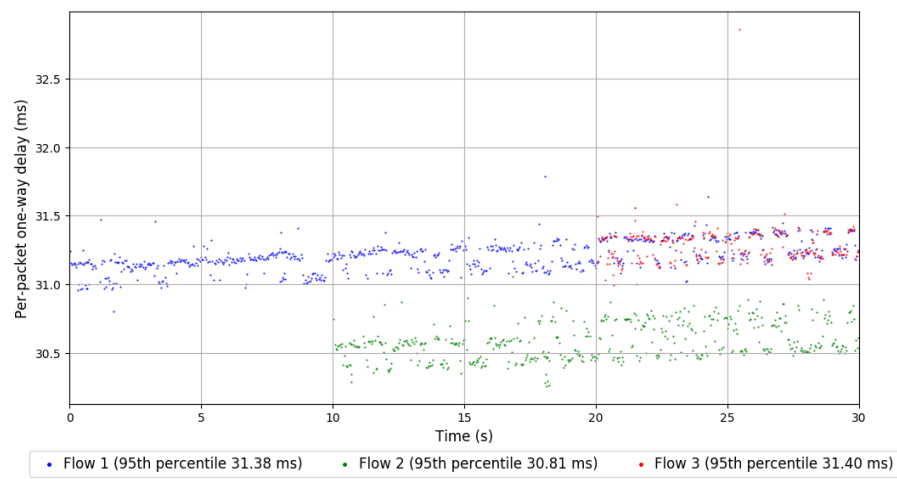
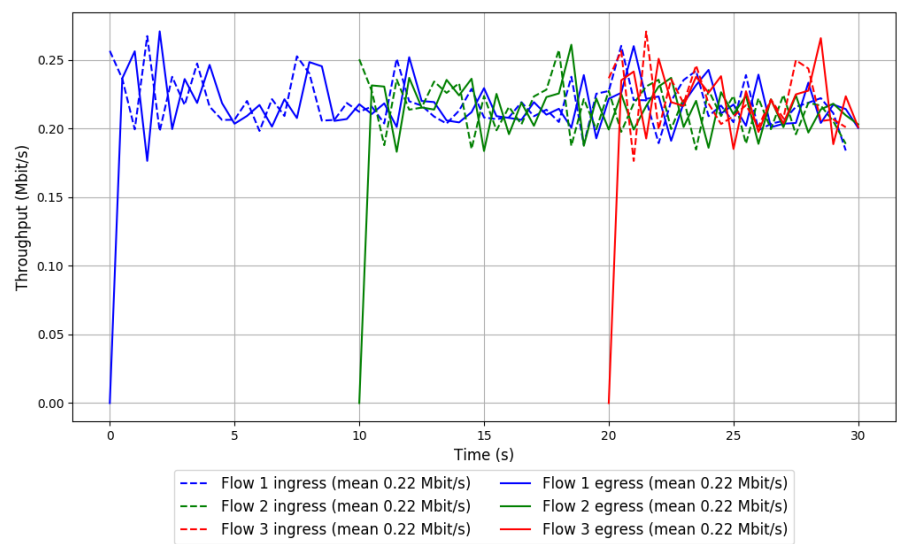
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.404 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-05-22 05:56:19

End at: 2018-05-22 05:56:49

Local clock offset: 1.5 ms

Remote clock offset: 1.423 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 34.306 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.355 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.707 ms

Loss rate: 0.00%

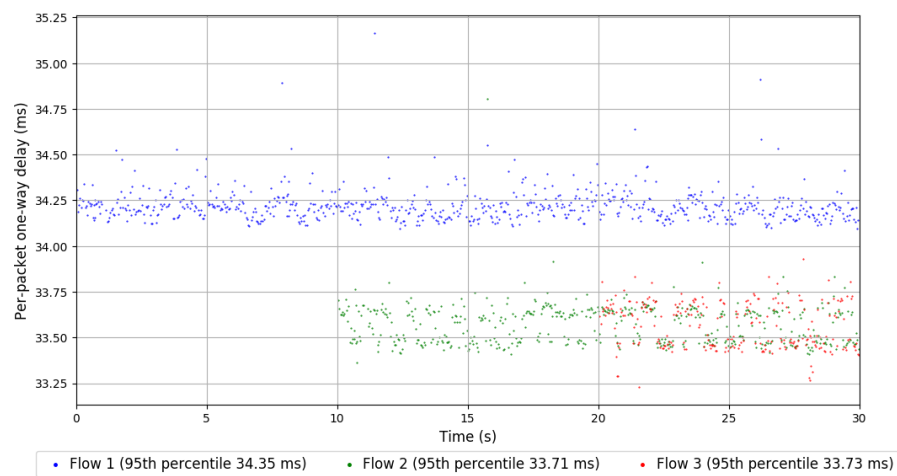
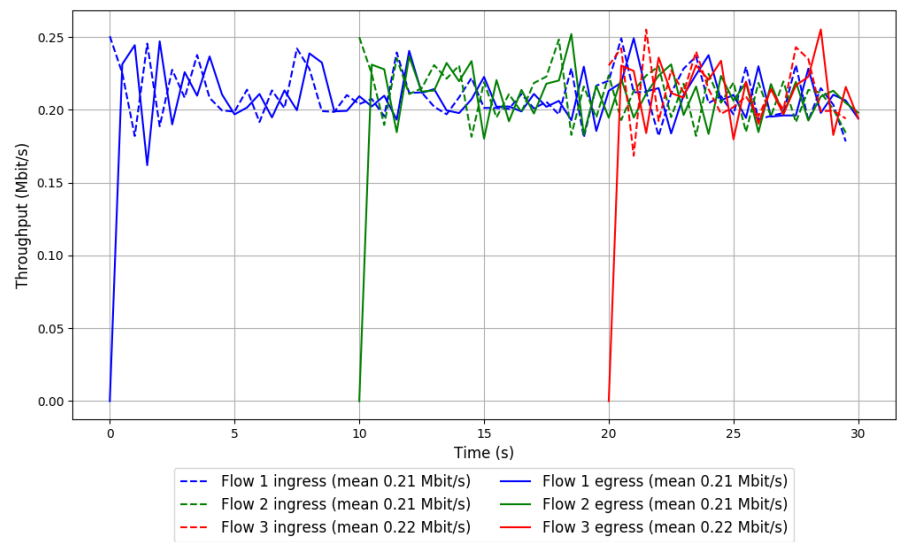
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.733 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-05-22 06:18:40

End at: 2018-05-22 06:19:10

Local clock offset: 0.772 ms

Remote clock offset: 5.528 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 33.467 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 32.850 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.526 ms

Loss rate: 0.00%

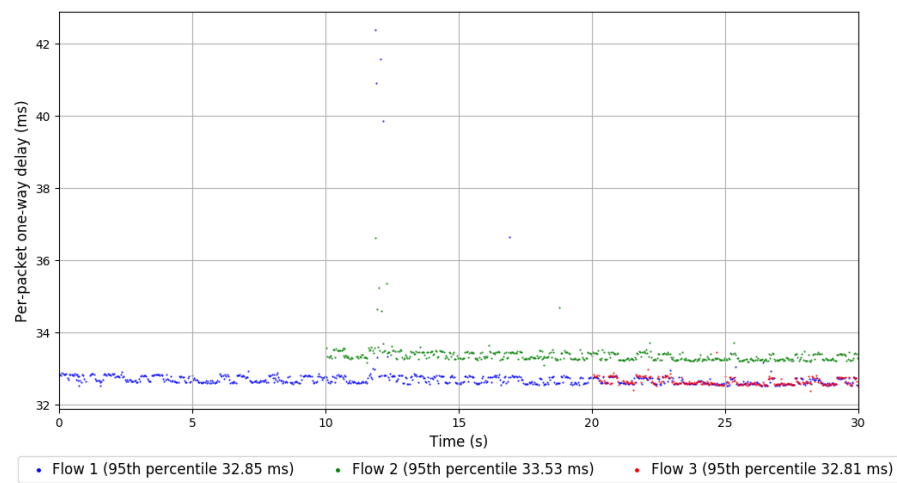
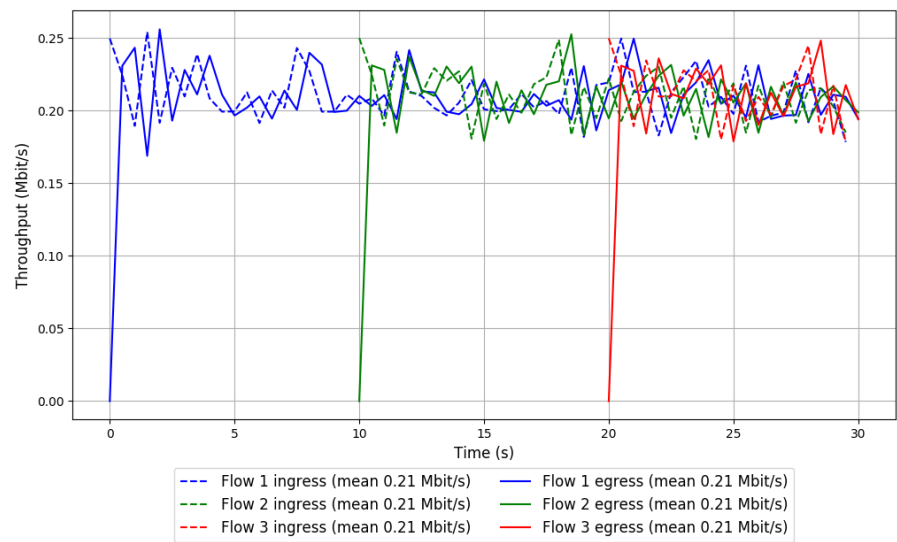
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 32.809 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-22 06:40:30

End at: 2018-05-22 06:41:00

Local clock offset: 0.62 ms

Remote clock offset: 7.381 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.763 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.043 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.778 ms

Loss rate: 0.00%

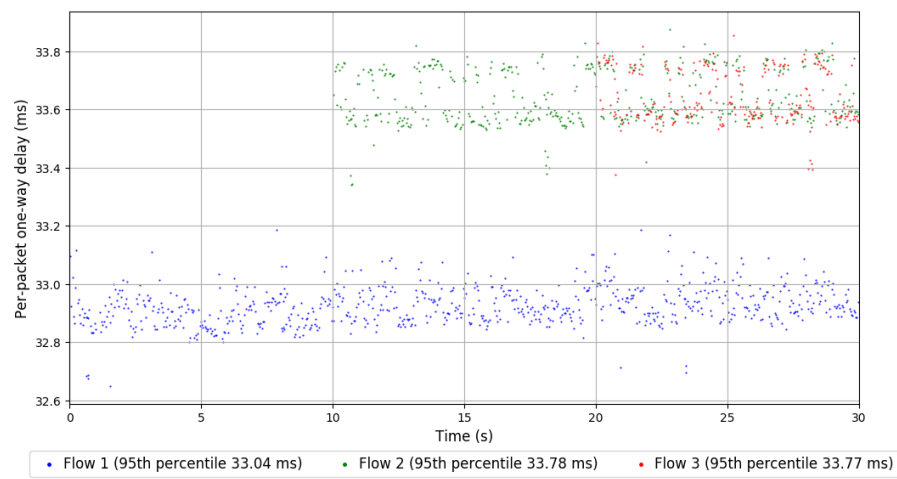
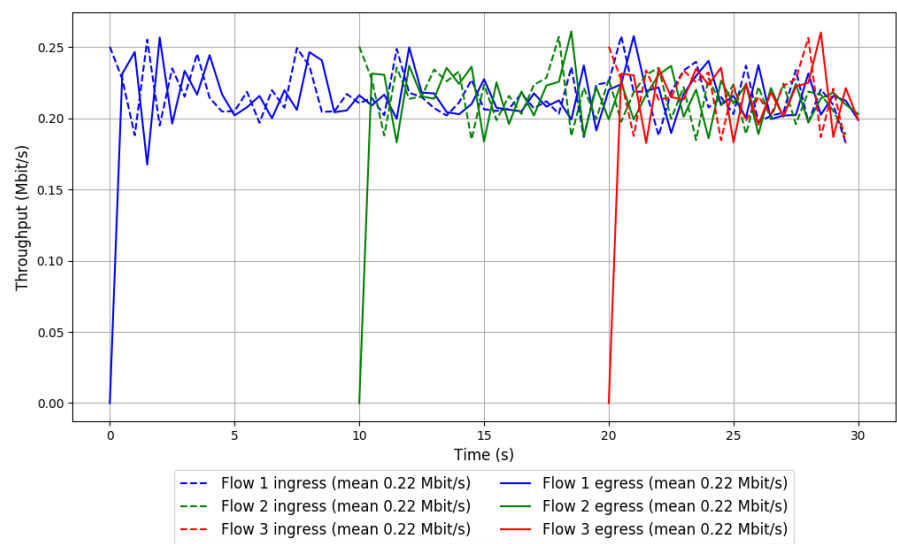
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.772 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

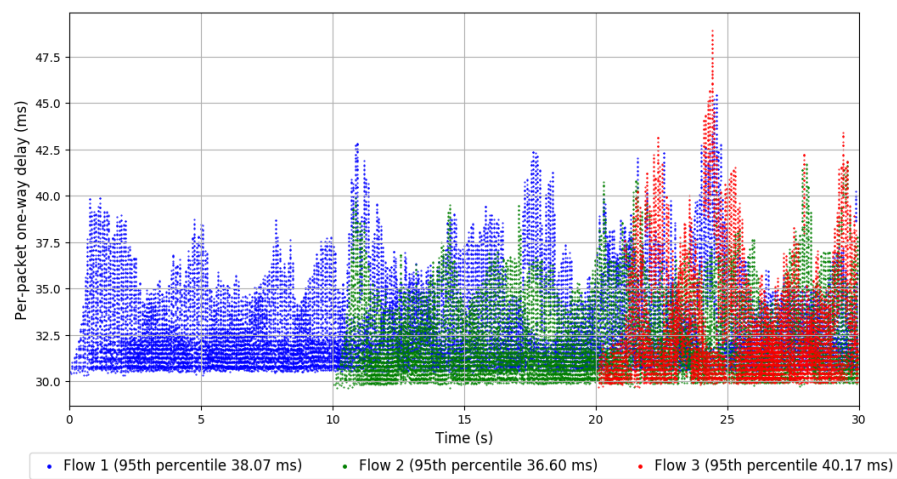
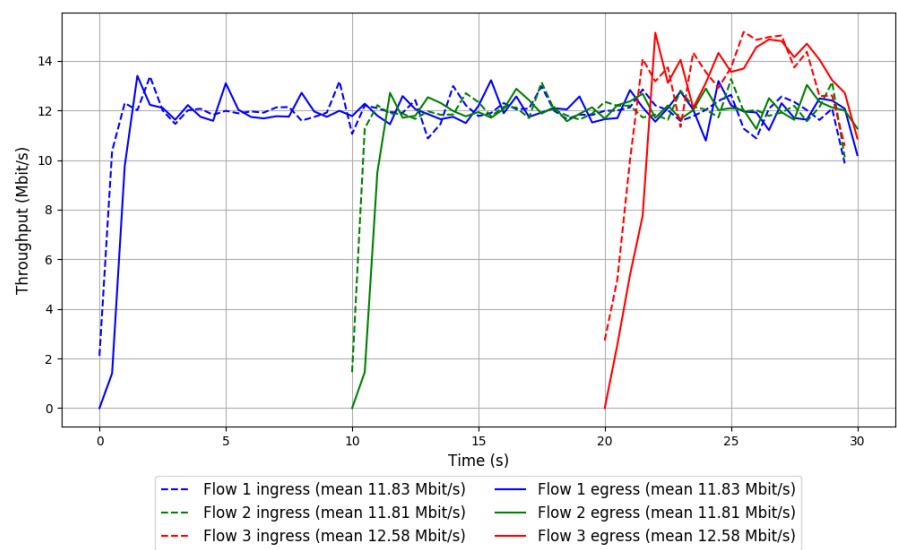


Run 1: Statistics of Sprout

Start at: 2018-05-22 03:29:32
End at: 2018-05-22 03:30:02
Local clock offset: 1.803 ms
Remote clock offset: -1.769 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 38.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 38.066 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 36.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 40.166 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

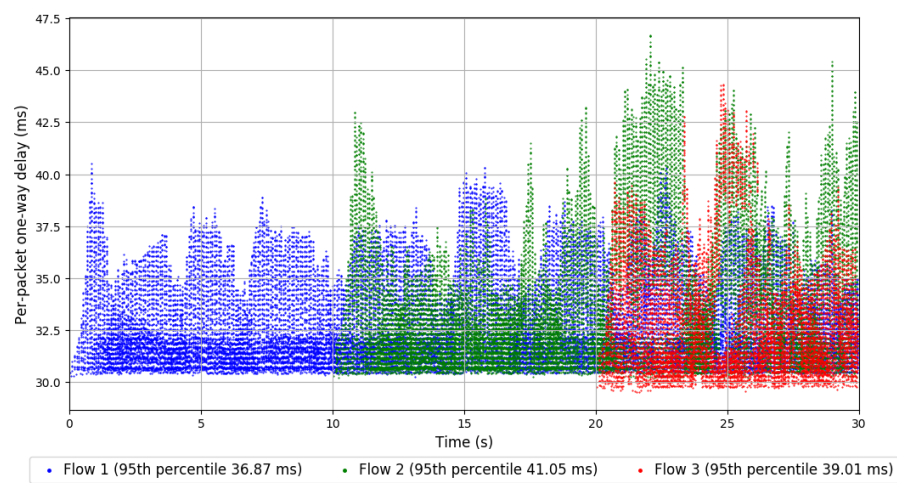
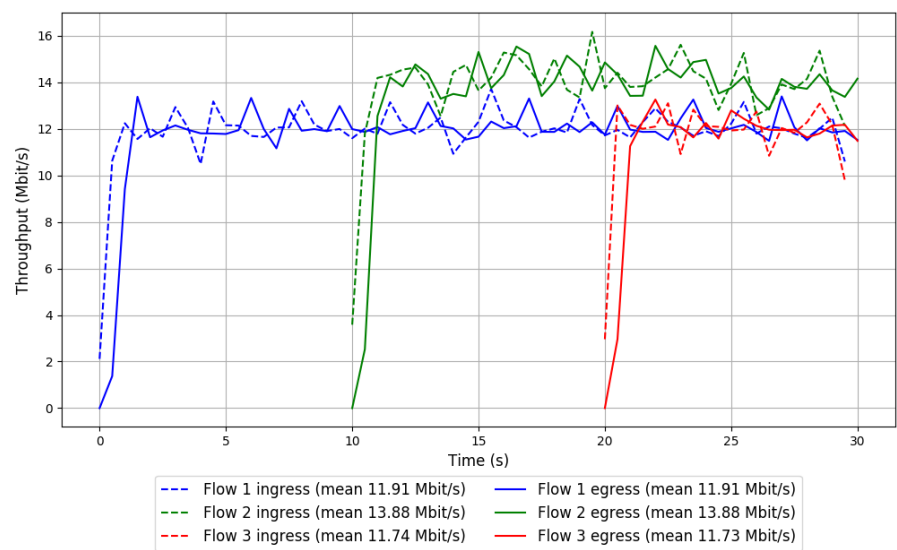


Run 2: Statistics of Sprout

Start at: 2018-05-22 03:50:59
End at: 2018-05-22 03:51:29
Local clock offset: 1.621 ms
Remote clock offset: -5.227 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 39.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 36.865 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 41.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 39.008 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

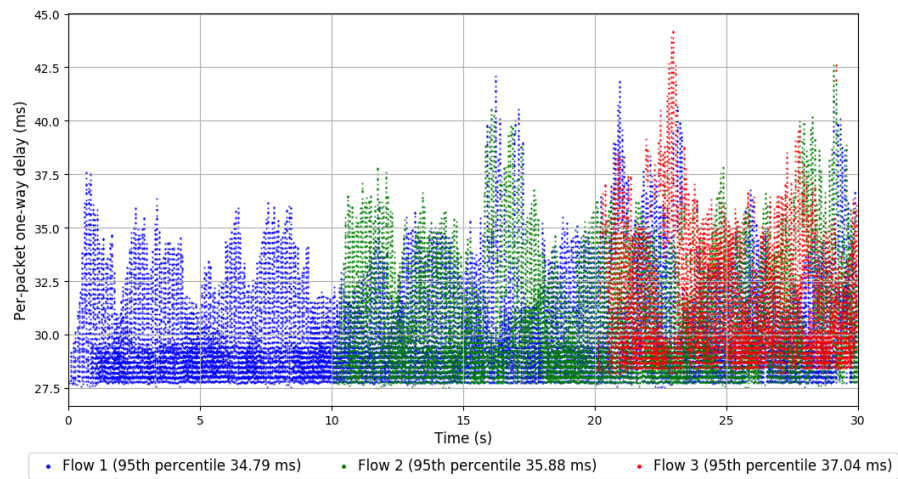
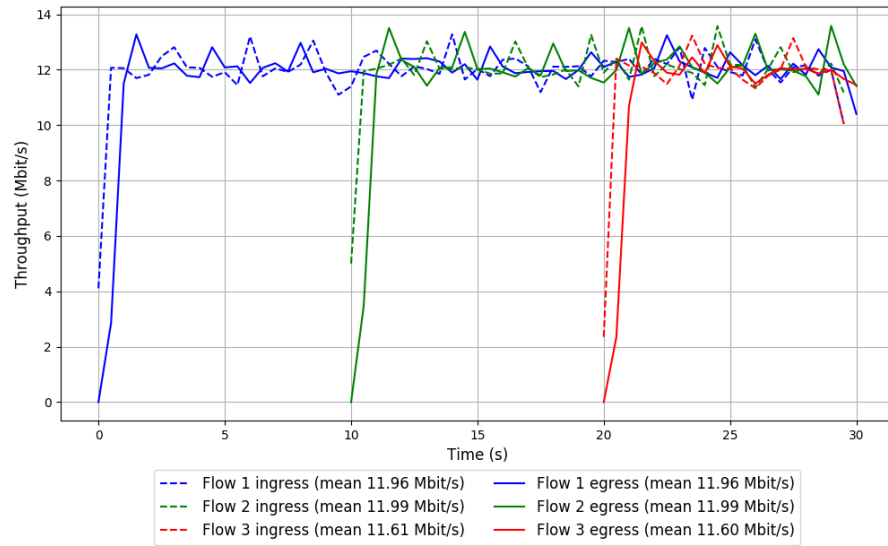


Run 3: Statistics of Sprout

Start at: 2018-05-22 04:13:11
End at: 2018-05-22 04:13:41
Local clock offset: 0.789 ms
Remote clock offset: -9.366 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 35.738 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 34.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 35.880 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 37.042 ms
Loss rate: 0.12%

Run 3: Report of Sprout — Data Link

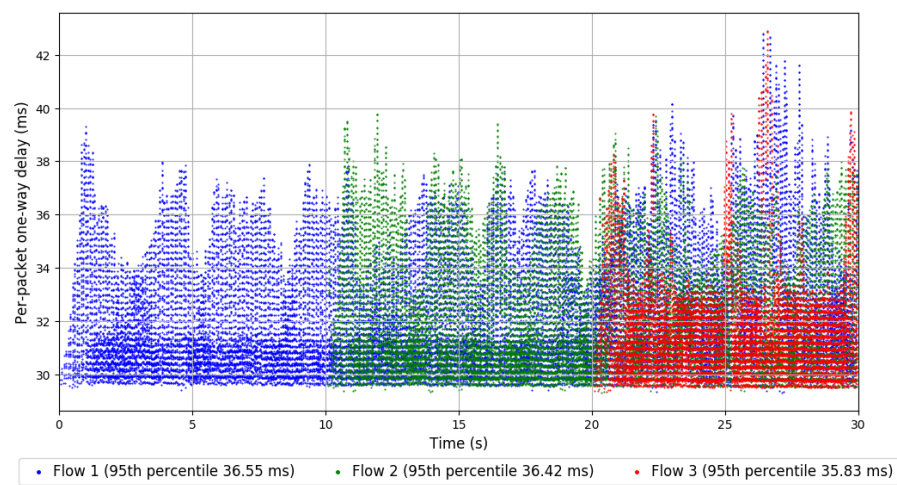
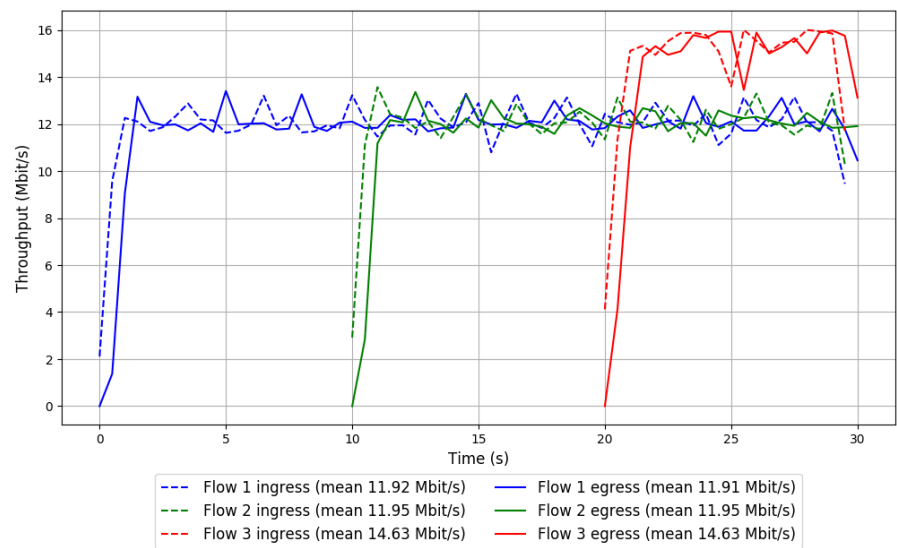


Run 4: Statistics of Sprout

Start at: 2018-05-22 04:34:26
End at: 2018-05-22 04:34:56
Local clock offset: 0.778 ms
Remote clock offset: -1.504 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 36.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 36.553 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 36.425 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 35.825 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-22 04:55:41

End at: 2018-05-22 04:56:11

Local clock offset: 0.799 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.48 Mbit/s

95th percentile per-packet one-way delay: 37.528 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 35.358 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 14.62 Mbit/s

95th percentile per-packet one-way delay: 39.562 ms

Loss rate: 0.00%

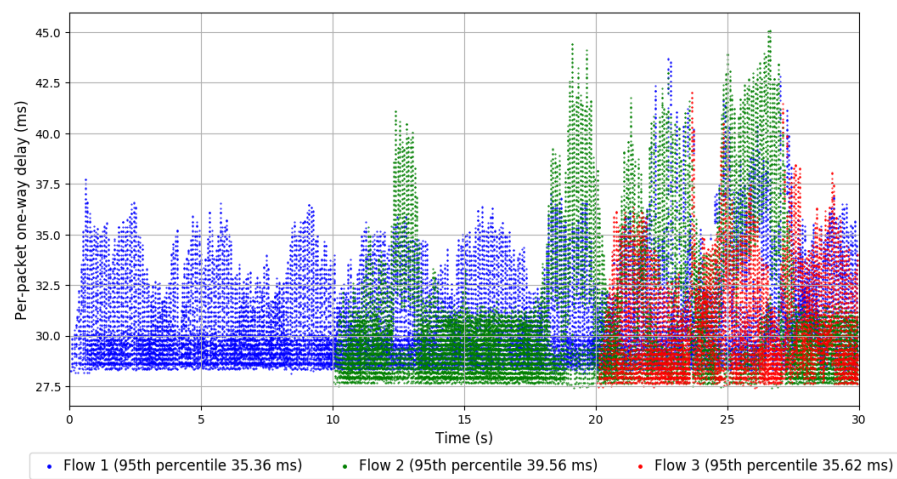
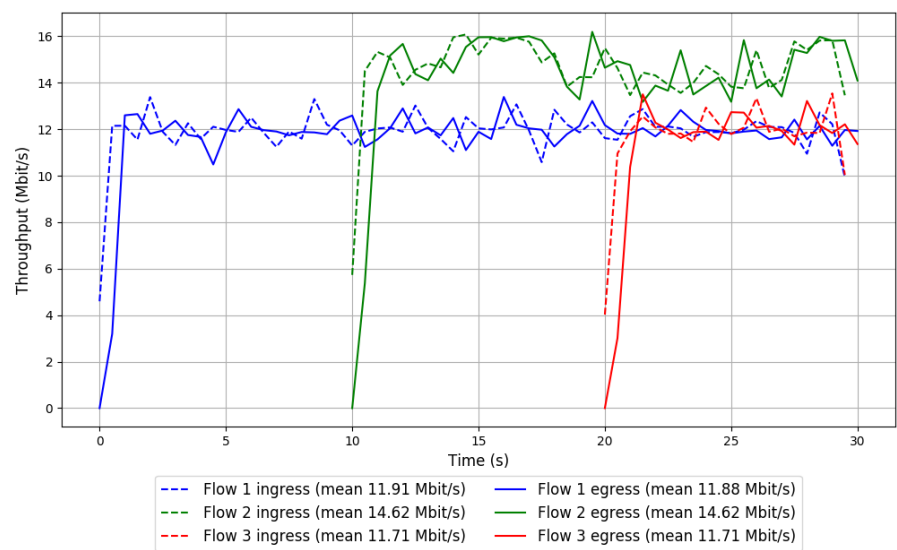
-- Flow 3:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 35.616 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-22 05:16:58

End at: 2018-05-22 05:17:28

Local clock offset: 0.565 ms

Remote clock offset: 4.378 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 38.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 38.802 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 37.020 ms

Loss rate: 0.00%

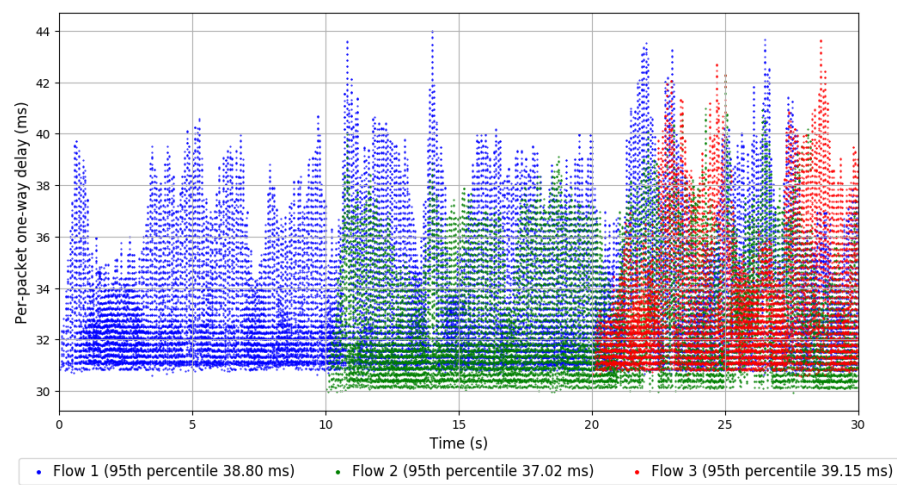
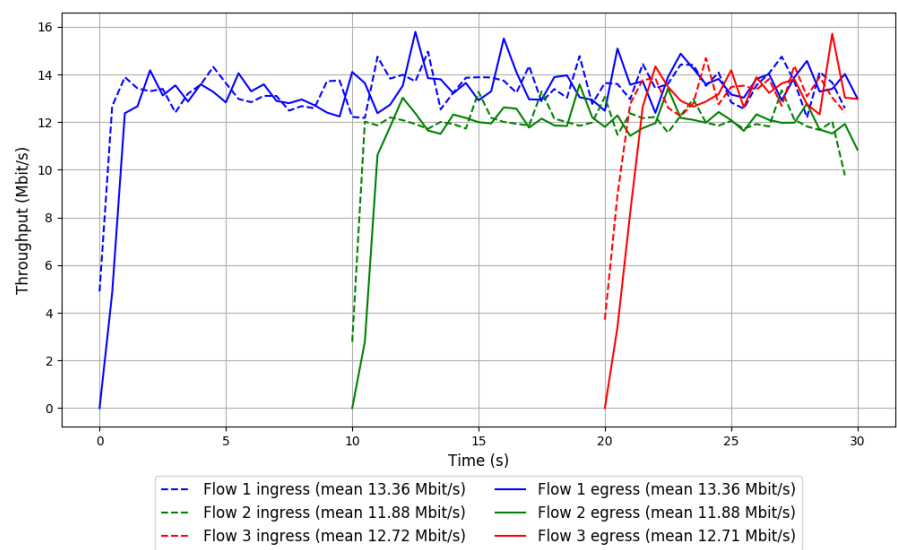
-- Flow 3:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 39.145 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

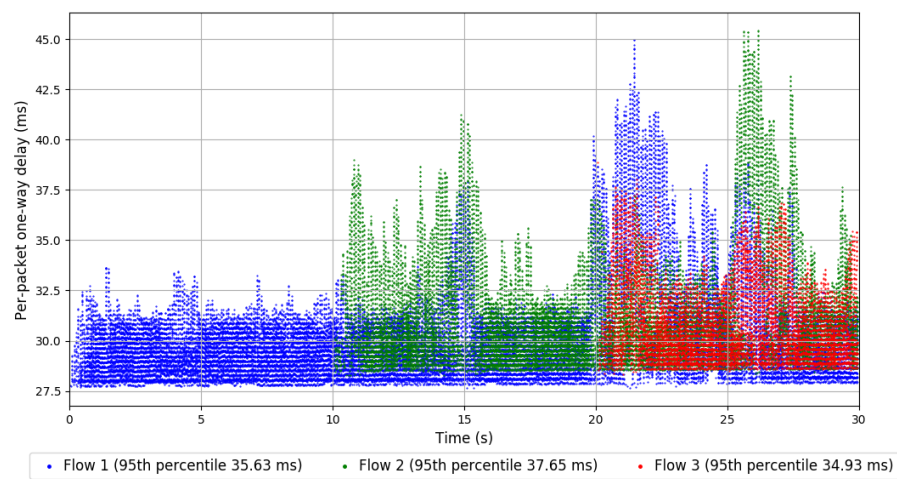
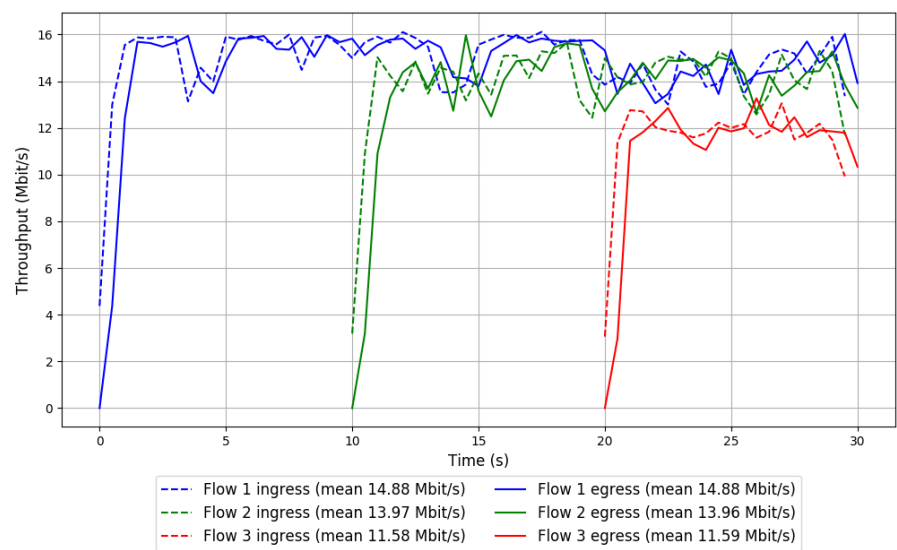


Run 7: Statistics of Sprout

Start at: 2018-05-22 05:38:16
End at: 2018-05-22 05:38:46
Local clock offset: 1.24 ms
Remote clock offset: -0.972 ms

Below is generated by plot.py at 2018-05-22 07:11:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 36.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: 35.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 37.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 34.926 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-22 06:00:22

End at: 2018-05-22 06:00:52

Local clock offset: 1.147 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.09 Mbit/s

95th percentile per-packet one-way delay: 38.411 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.66 Mbit/s

95th percentile per-packet one-way delay: 37.783 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 39.172 ms

Loss rate: 0.00%

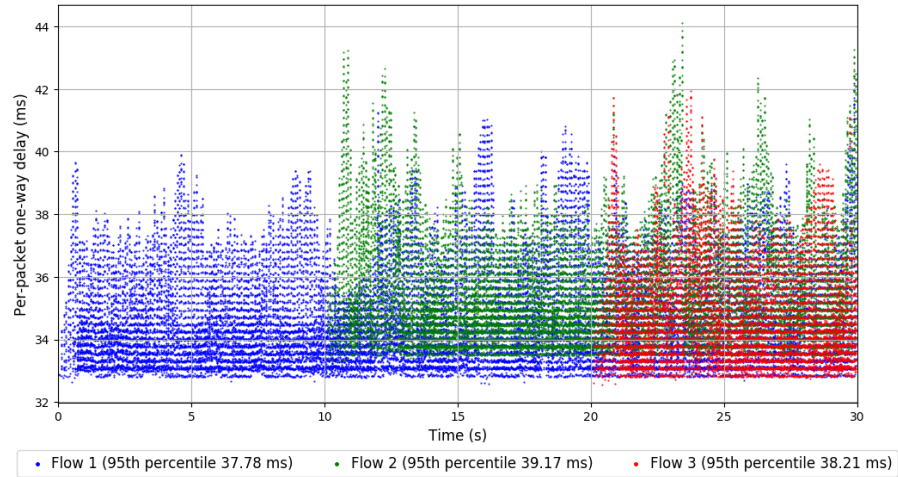
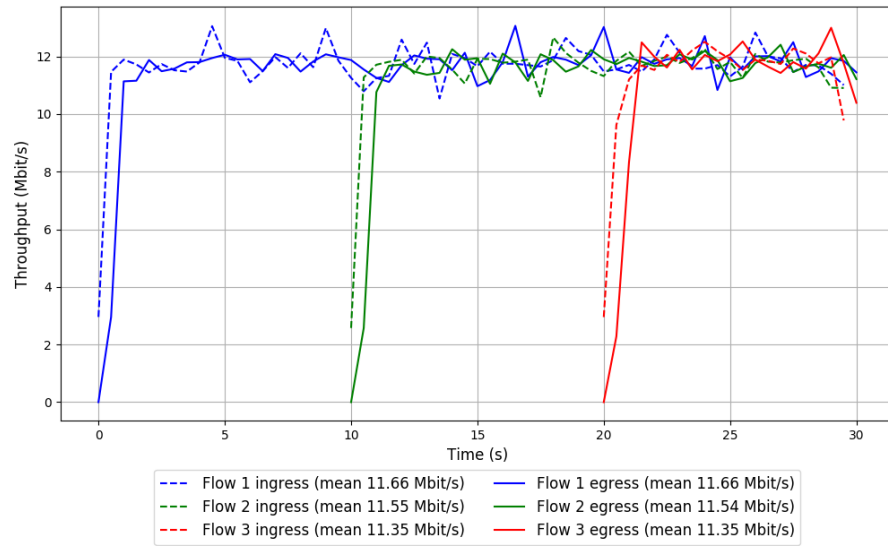
-- Flow 3:

Average throughput: 11.35 Mbit/s

95th percentile per-packet one-way delay: 38.209 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-22 06:22:39

End at: 2018-05-22 06:23:09

Local clock offset: 0.742 ms

Remote clock offset: 6.244 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.27 Mbit/s

95th percentile per-packet one-way delay: 38.416 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 38.196 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.61 Mbit/s

95th percentile per-packet one-way delay: 38.609 ms

Loss rate: 0.00%

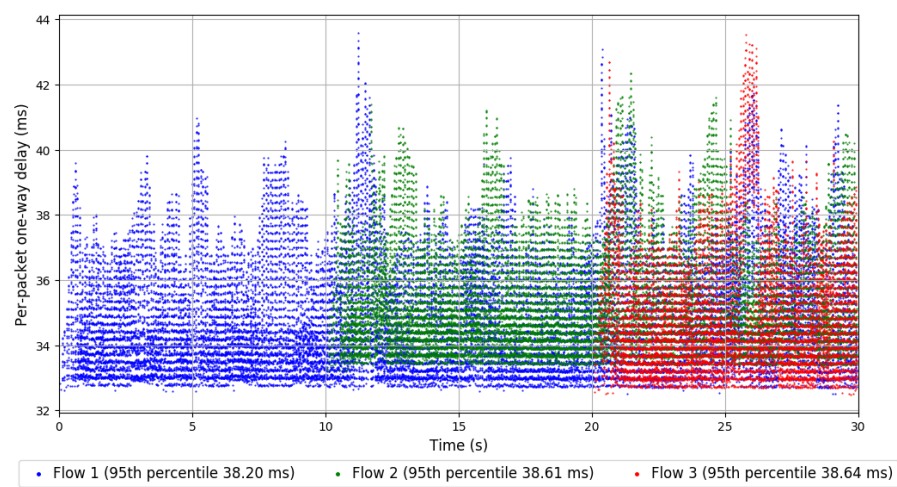
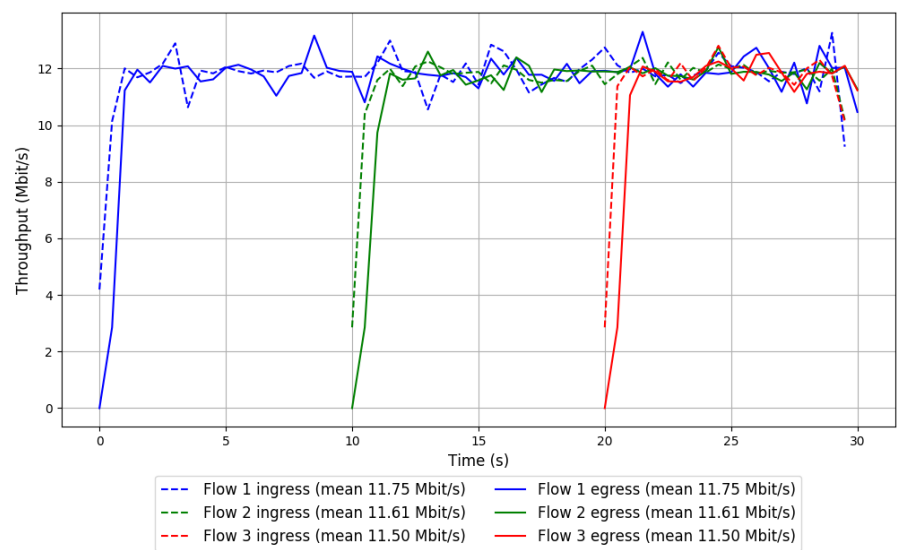
-- Flow 3:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 38.641 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-22 06:44:28

End at: 2018-05-22 06:44:58

Local clock offset: 0.612 ms

Remote clock offset: 6.893 ms

Below is generated by plot.py at 2018-05-22 07:11:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.72 Mbit/s

95th percentile per-packet one-way delay: 40.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 39.607 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 41.658 ms

Loss rate: 0.00%

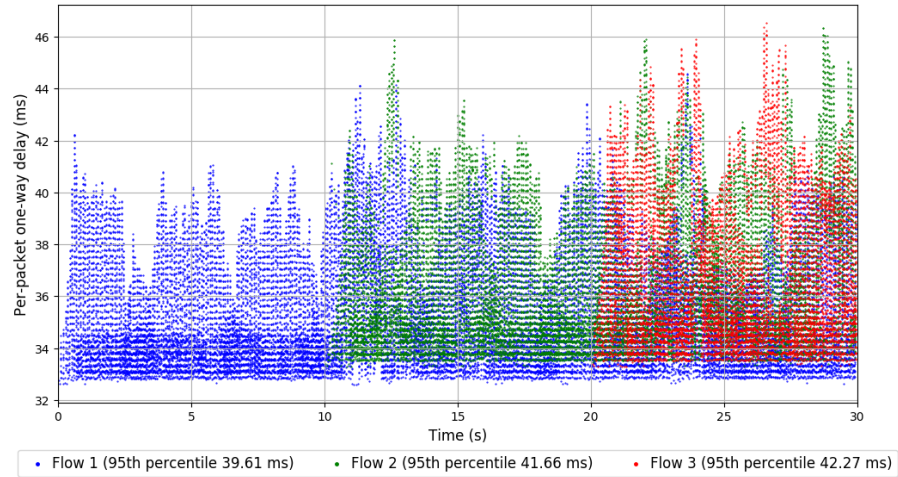
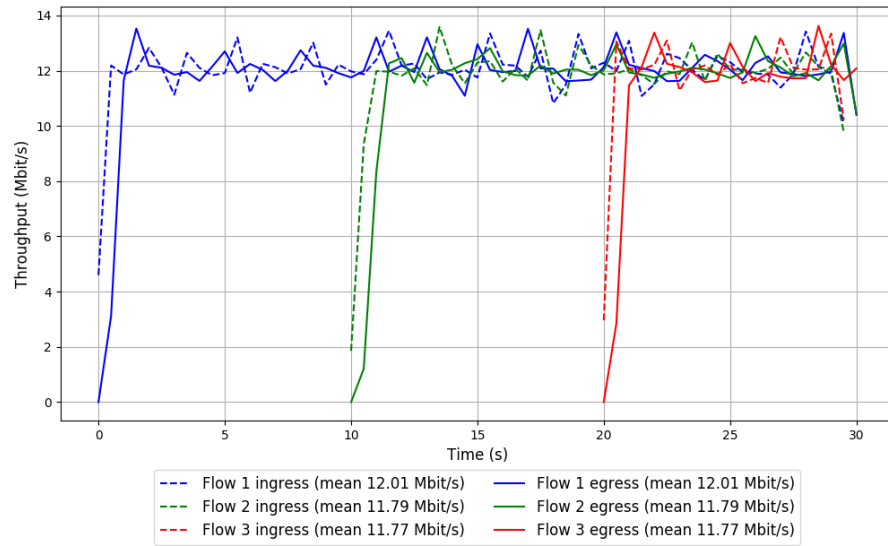
-- Flow 3:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 42.273 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

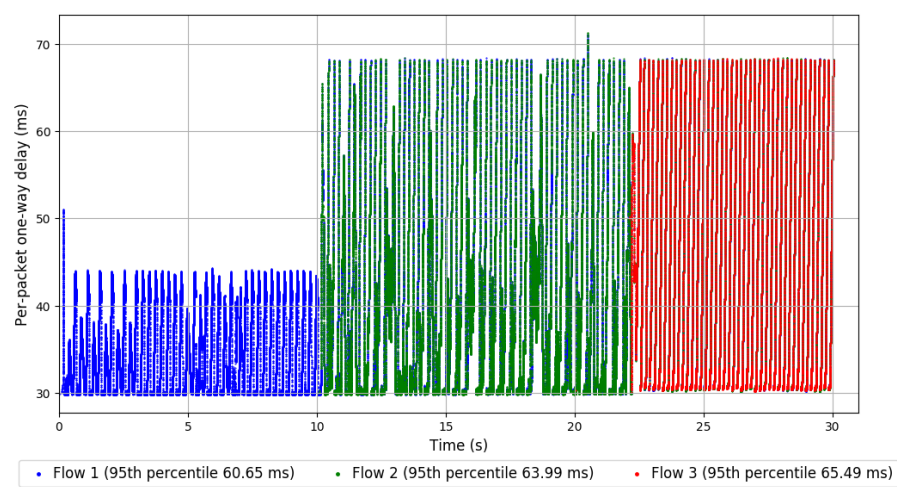
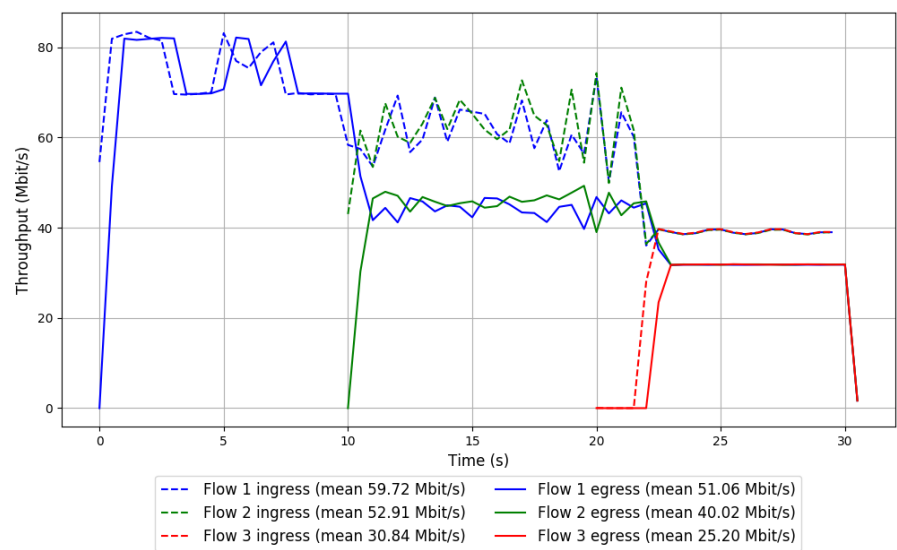


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 03:40:09
End at: 2018-05-22 03:40:39
Local clock offset: 1.514 ms
Remote clock offset: -3.892 ms

Below is generated by plot.py at 2018-05-22 07:12:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 63.075 ms
Loss rate: 18.15%
-- Flow 1:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 60.651 ms
Loss rate: 14.48%
-- Flow 2:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 63.994 ms
Loss rate: 24.35%
-- Flow 3:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 65.492 ms
Loss rate: 18.25%

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

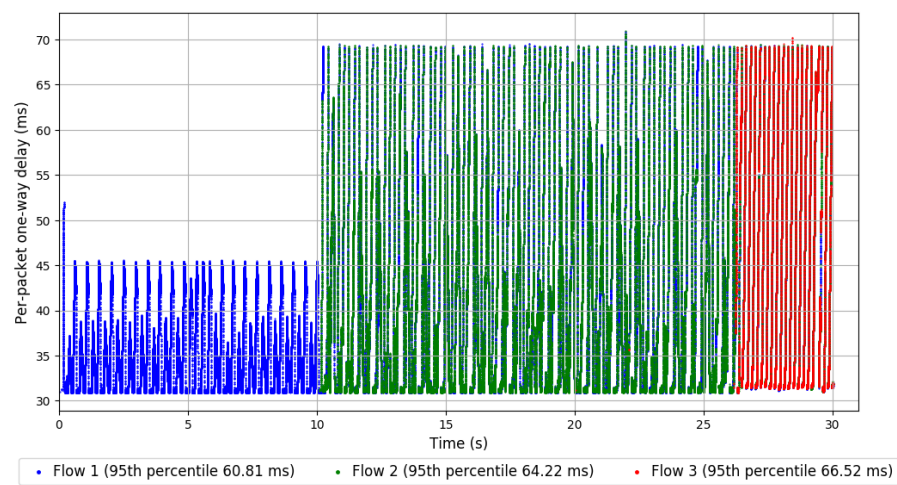
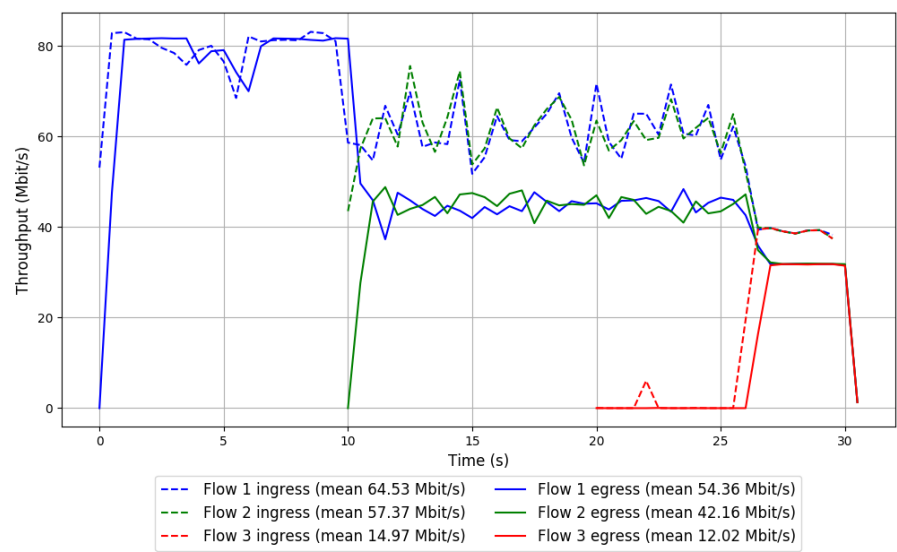


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 04:02:06
End at: 2018-05-22 04:02:36
Local clock offset: 1.102 ms
Remote clock offset: -5.853 ms

Below is generated by plot.py at 2018-05-22 07:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 63.044 ms
Loss rate: 19.77%
-- Flow 1:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 60.814 ms
Loss rate: 15.75%
-- Flow 2:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 64.219 ms
Loss rate: 26.55%
-- Flow 3:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 66.519 ms
Loss rate: 19.73%

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

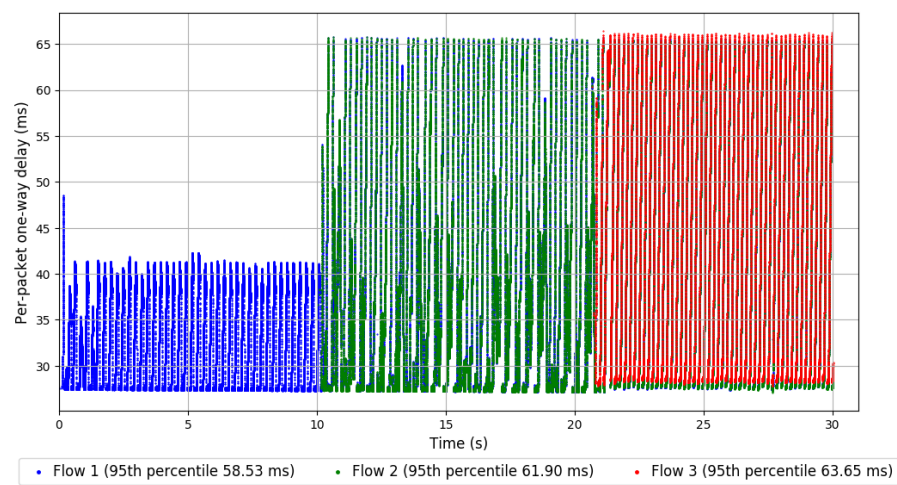
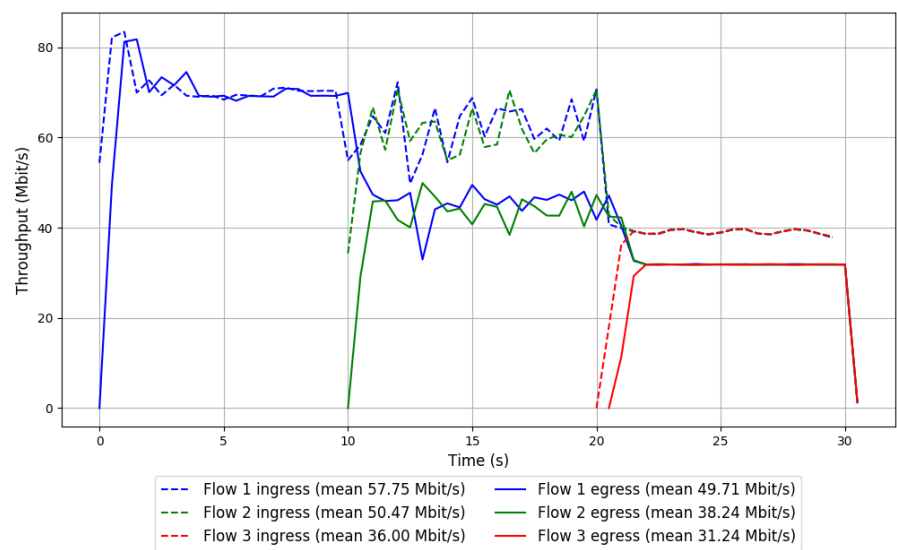


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 04:23:50
End at: 2018-05-22 04:24:20
Local clock offset: 0.562 ms
Remote clock offset: -9.446 ms

Below is generated by plot.py at 2018-05-22 07:12:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 61.131 ms
Loss rate: 17.85%
-- Flow 1:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 58.528 ms
Loss rate: 13.92%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 61.902 ms
Loss rate: 24.27%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 63.654 ms
Loss rate: 18.74%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 04:45:04

End at: 2018-05-22 04:45:34

Local clock offset: 0.876 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2018-05-22 07:12:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.86 Mbit/s

95th percentile per-packet one-way delay: 64.390 ms

Loss rate: 17.61%

-- Flow 1:

Average throughput: 49.91 Mbit/s

95th percentile per-packet one-way delay: 62.292 ms

Loss rate: 14.25%

-- Flow 2:

Average throughput: 38.41 Mbit/s

95th percentile per-packet one-way delay: 65.013 ms

Loss rate: 23.39%

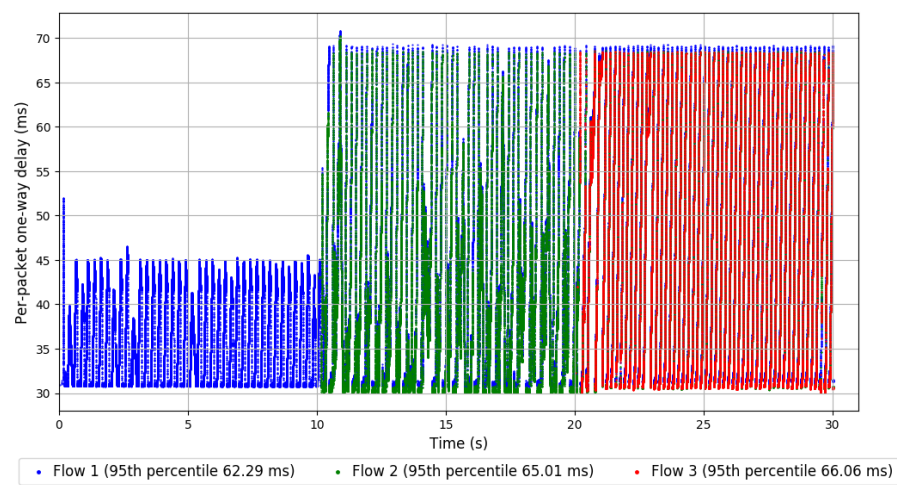
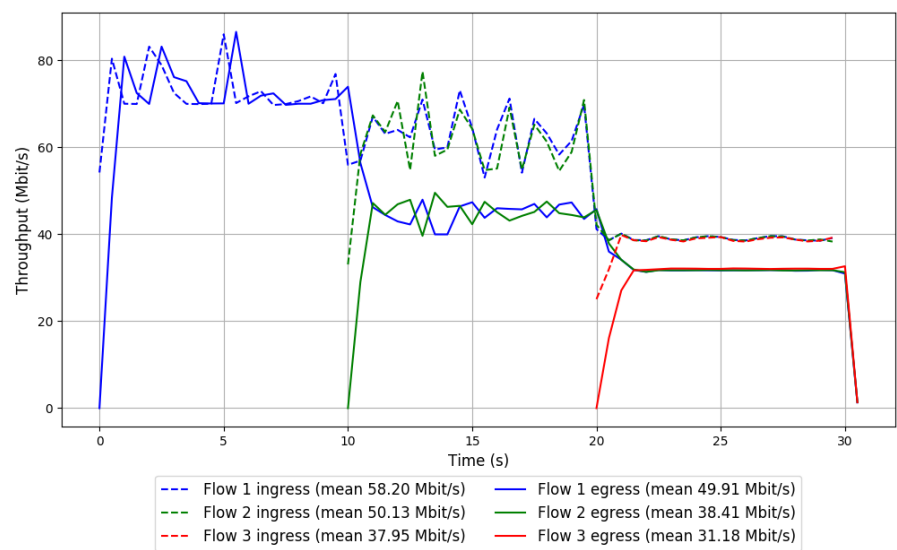
-- Flow 3:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 66.055 ms

Loss rate: 17.85%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 05:06:20

End at: 2018-05-22 05:06:50

Local clock offset: 0.544 ms

Remote clock offset: 2.963 ms

Below is generated by plot.py at 2018-05-22 07:12:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 63.622 ms

Loss rate: 17.72%

-- Flow 1:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 61.603 ms

Loss rate: 13.68%

-- Flow 2:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 64.517 ms

Loss rate: 24.51%

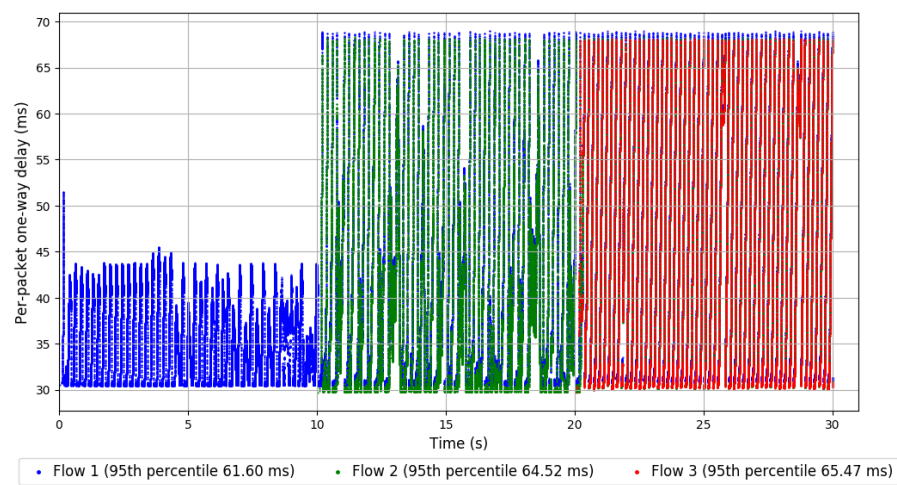
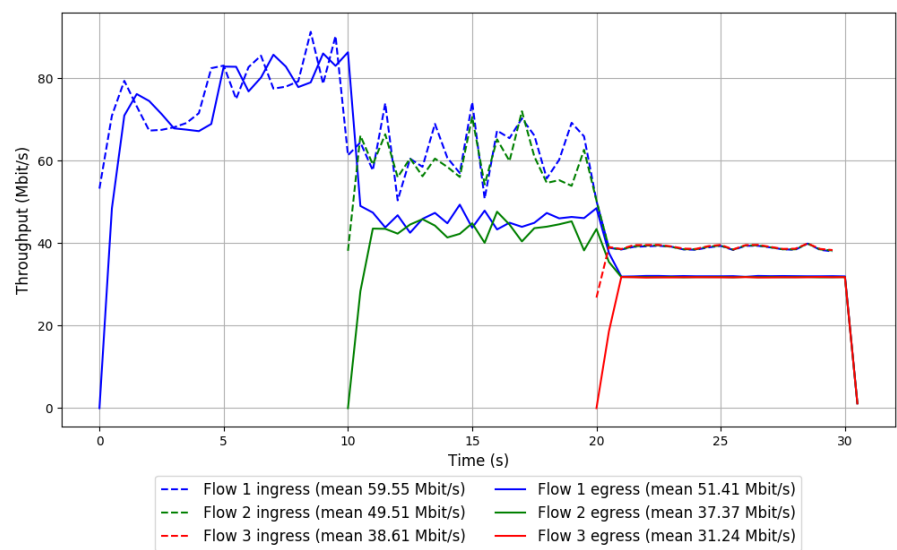
-- Flow 3:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 65.472 ms

Loss rate: 19.08%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 05:27:38

End at: 2018-05-22 05:28:08

Local clock offset: 0.622 ms

Remote clock offset: 4.75 ms

Below is generated by plot.py at 2018-05-22 07:12:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.29 Mbit/s

95th percentile per-packet one-way delay: 63.484 ms

Loss rate: 17.34%

-- Flow 1:

Average throughput: 52.59 Mbit/s

95th percentile per-packet one-way delay: 61.109 ms

Loss rate: 13.40%

-- Flow 2:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 64.082 ms

Loss rate: 23.98%

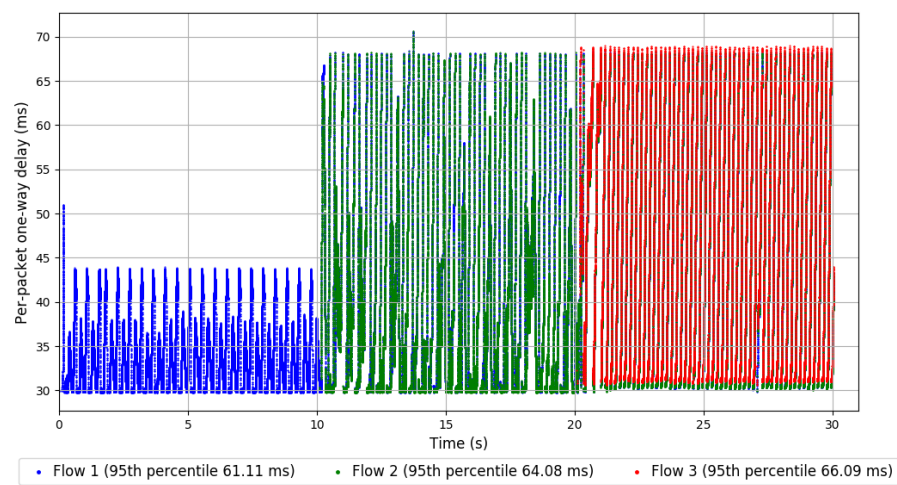
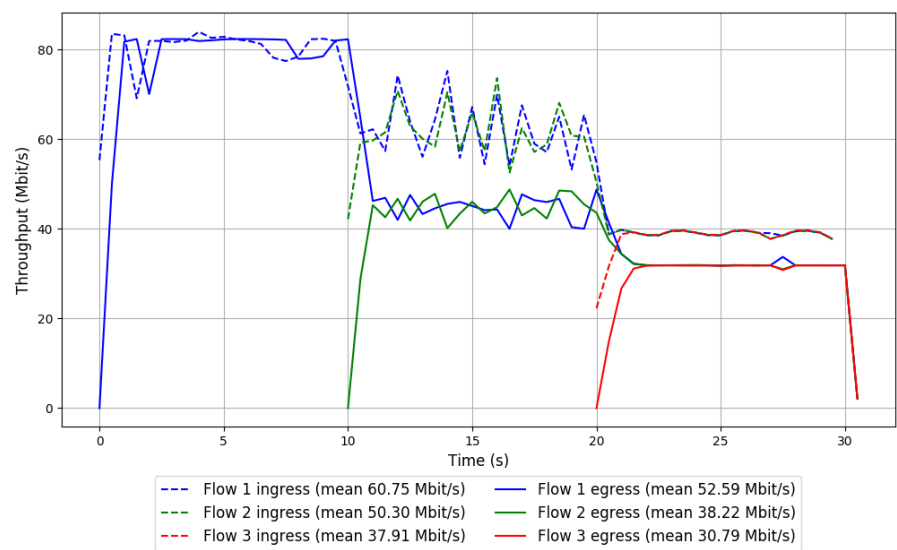
-- Flow 3:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 66.090 ms

Loss rate: 18.69%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 05:49:05

End at: 2018-05-22 05:49:35

Local clock offset: 1.445 ms

Remote clock offset: 2.19 ms

Below is generated by plot.py at 2018-05-22 07:13:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 67.771 ms

Loss rate: 16.23%

-- Flow 1:

Average throughput: 51.57 Mbit/s

95th percentile per-packet one-way delay: 65.008 ms

Loss rate: 12.32%

-- Flow 2:

Average throughput: 38.46 Mbit/s

95th percentile per-packet one-way delay: 68.905 ms

Loss rate: 22.07%

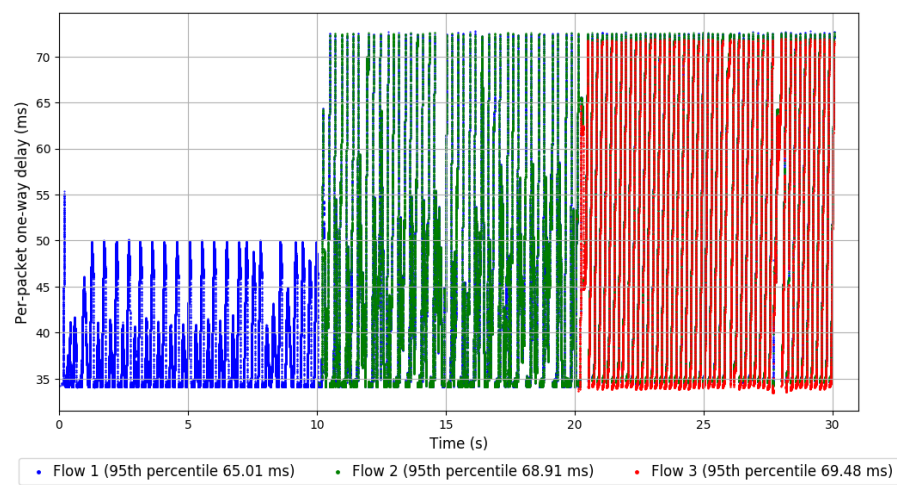
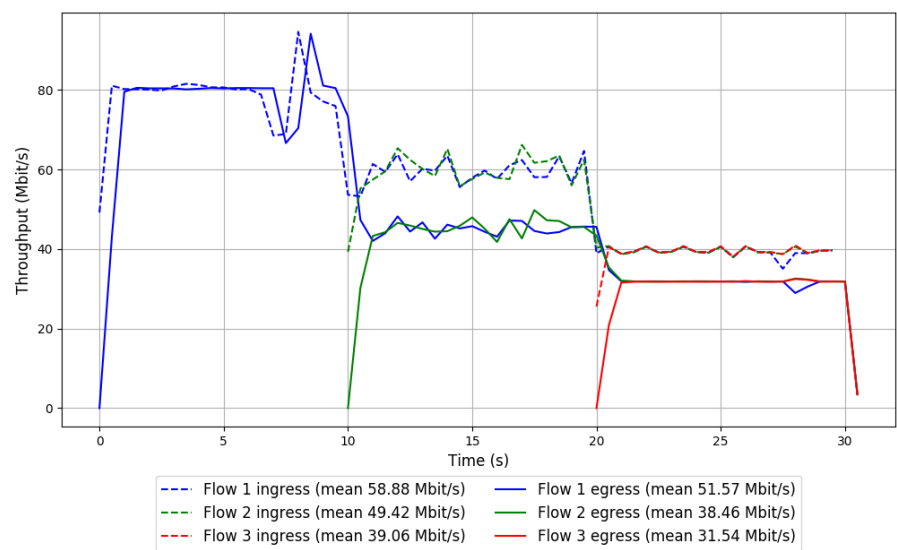
-- Flow 3:

Average throughput: 31.54 Mbit/s

95th percentile per-packet one-way delay: 69.476 ms

Loss rate: 19.15%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 06:11:42

End at: 2018-05-22 06:12:12

Local clock offset: 0.856 ms

Remote clock offset: 3.693 ms

Below is generated by plot.py at 2018-05-22 07:13:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 65.820 ms

Loss rate: 16.42%

-- Flow 1:

Average throughput: 52.85 Mbit/s

95th percentile per-packet one-way delay: 62.858 ms

Loss rate: 12.35%

-- Flow 2:

Average throughput: 38.99 Mbit/s

95th percentile per-packet one-way delay: 67.473 ms

Loss rate: 22.91%

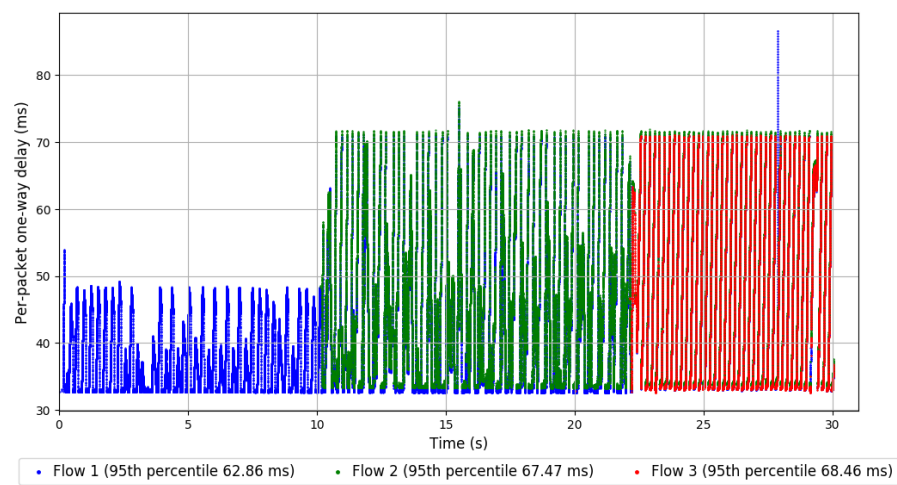
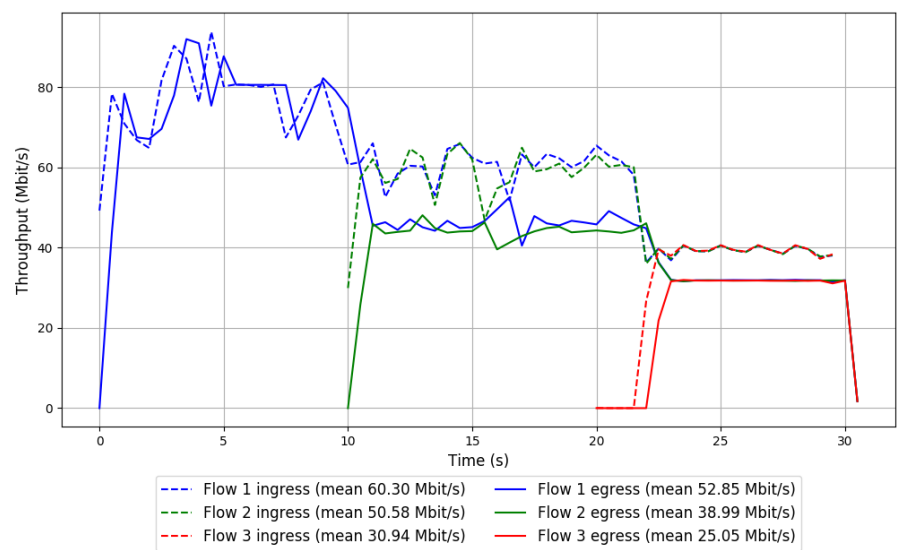
-- Flow 3:

Average throughput: 25.05 Mbit/s

95th percentile per-packet one-way delay: 68.458 ms

Loss rate: 19.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 06:33:39

End at: 2018-05-22 06:34:09

Local clock offset: 0.556 ms

Remote clock offset: 7.164 ms

Below is generated by plot.py at 2018-05-22 07:14:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 66.714 ms

Loss rate: 16.27%

-- Flow 1:

Average throughput: 52.09 Mbit/s

95th percentile per-packet one-way delay: 64.331 ms

Loss rate: 12.38%

-- Flow 2:

Average throughput: 38.26 Mbit/s

95th percentile per-packet one-way delay: 67.510 ms

Loss rate: 22.10%

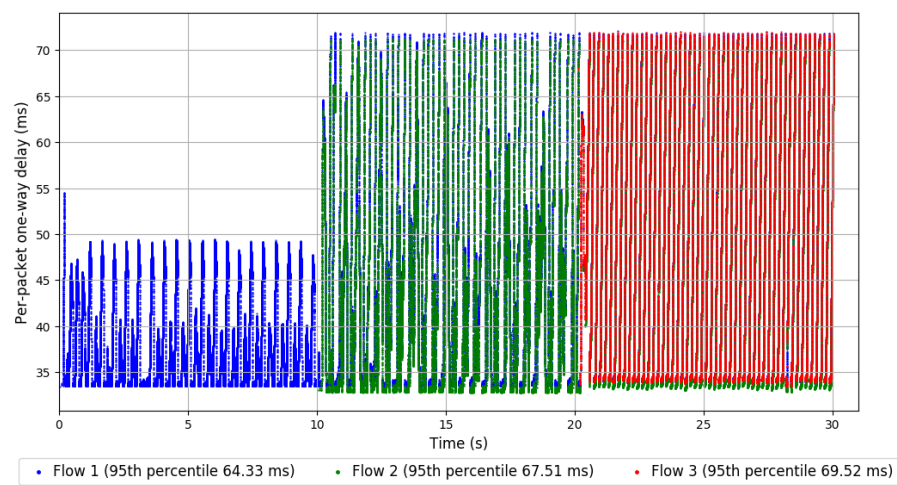
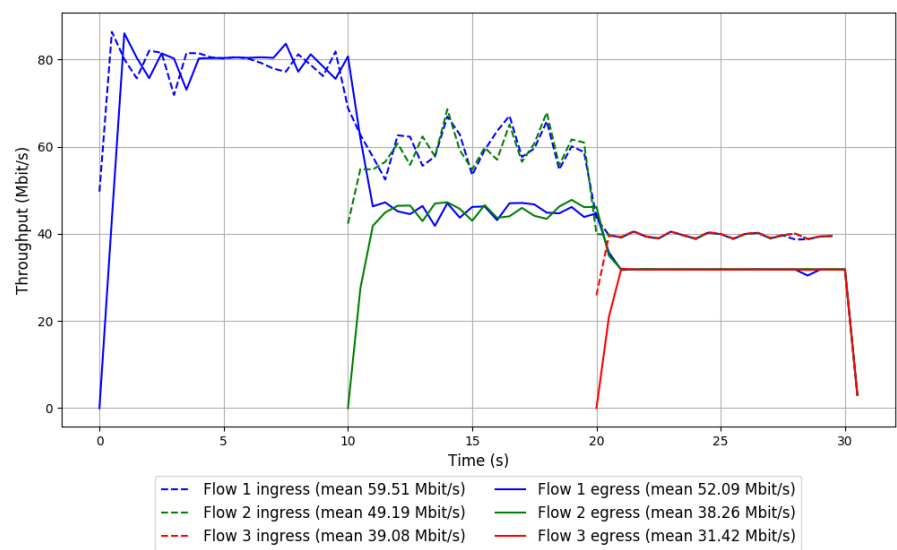
-- Flow 3:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 69.522 ms

Loss rate: 19.38%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 06:55:07

End at: 2018-05-22 06:55:37

Local clock offset: 0.498 ms

Remote clock offset: 3.763 ms

Below is generated by plot.py at 2018-05-22 07:14:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 63.806 ms

Loss rate: 17.78%

-- Flow 1:

Average throughput: 52.05 Mbit/s

95th percentile per-packet one-way delay: 61.667 ms

Loss rate: 13.93%

-- Flow 2:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 64.740 ms

Loss rate: 24.91%

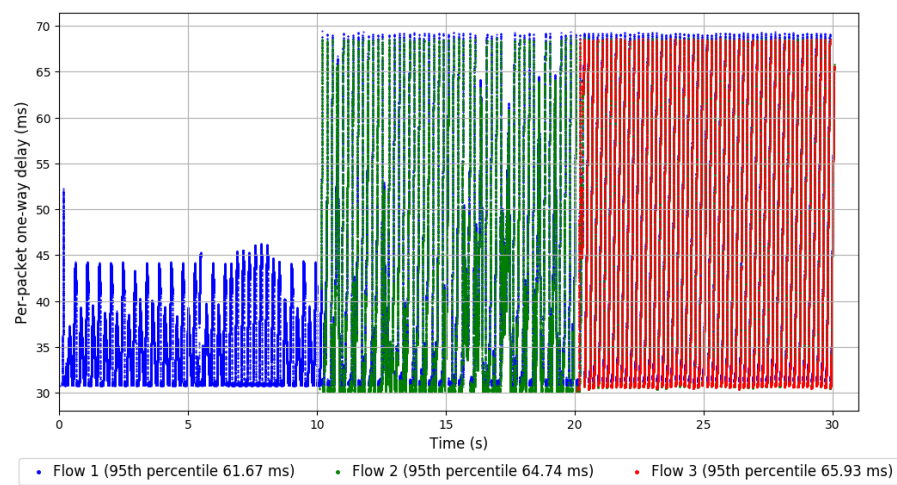
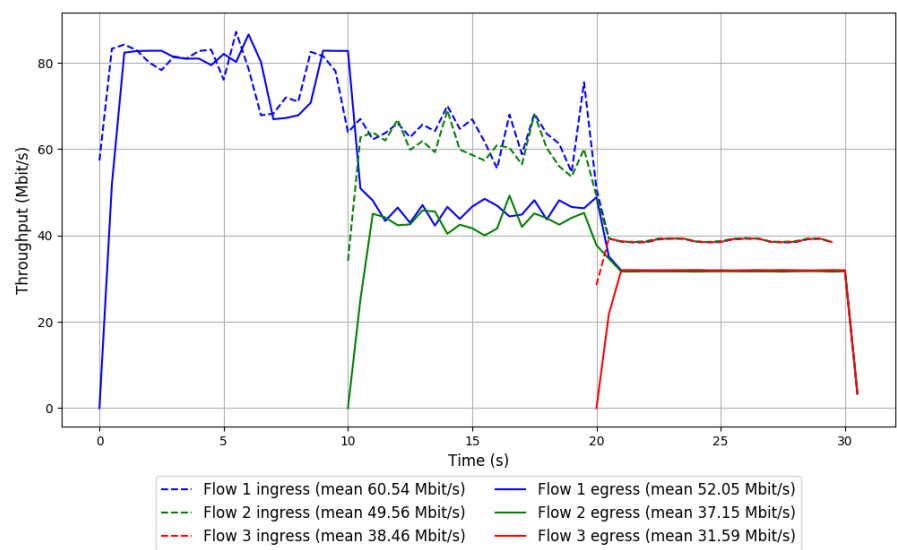
-- Flow 3:

Average throughput: 31.59 Mbit/s

95th percentile per-packet one-way delay: 65.927 ms

Loss rate: 17.58%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 03:21:40

End at: 2018-05-22 03:22:10

Local clock offset: 1.726 ms

Remote clock offset: 1.372 ms

Below is generated by plot.py at 2018-05-22 07:14:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 50.113 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 50.168 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 22.98 Mbit/s

95th percentile per-packet one-way delay: 49.679 ms

Loss rate: 0.04%

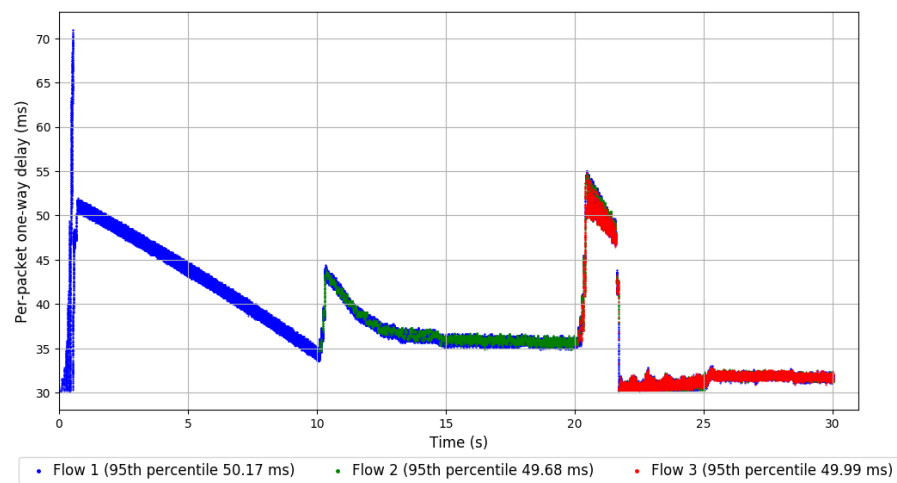
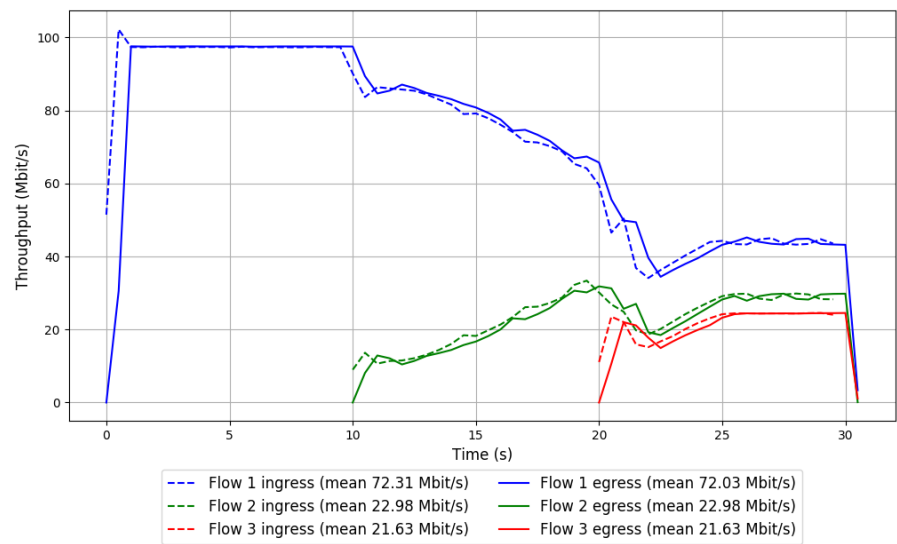
-- Flow 3:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 49.995 ms

Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

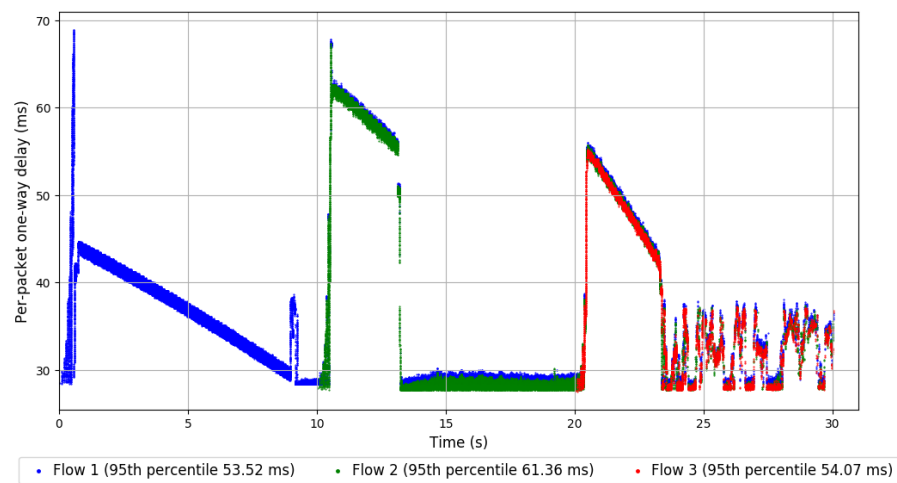
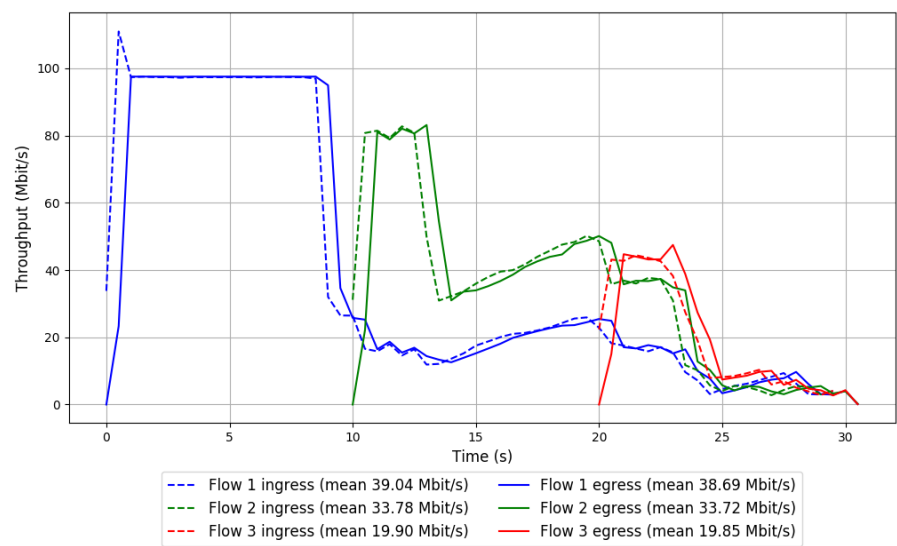


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 03:43:07
End at: 2018-05-22 03:43:37
Local clock offset: 1.592 ms
Remote clock offset: -6.329 ms

Below is generated by plot.py at 2018-05-22 07:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 59.920 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 53.523 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 61.362 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: 54.071 ms
Loss rate: 0.12%

Run 2: Report of TCP Vegas — Data Link

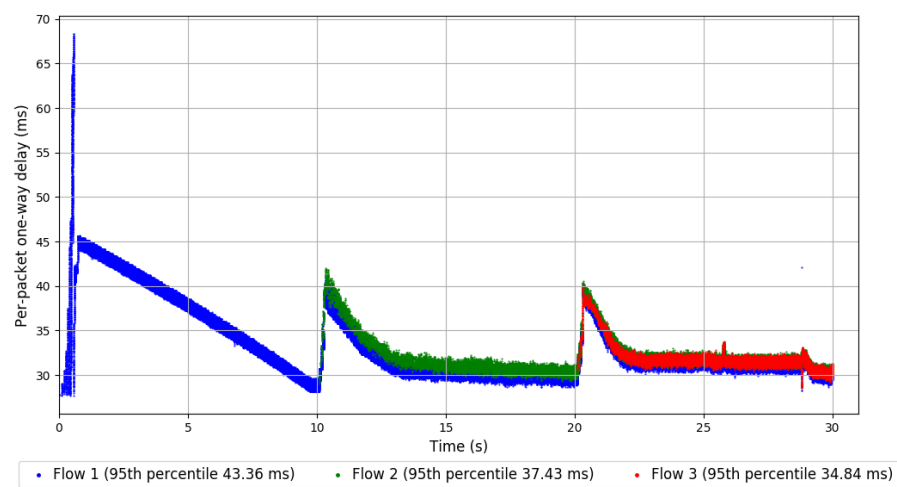
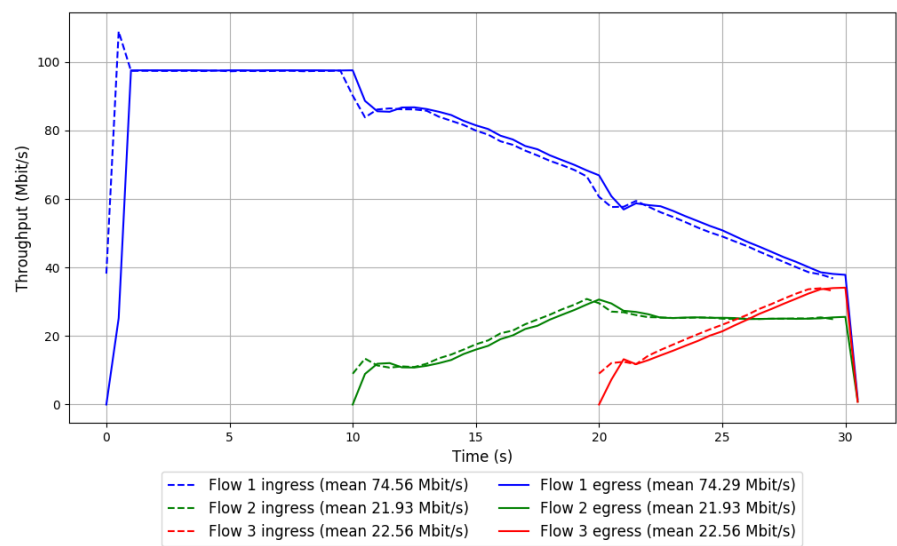


Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 04:04:50
End at: 2018-05-22 04:05:20
Local clock offset: 1.068 ms
Remote clock offset: -8.571 ms

Below is generated by plot.py at 2018-05-22 07:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 42.835 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 74.29 Mbit/s
95th percentile per-packet one-way delay: 43.360 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 37.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 34.844 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

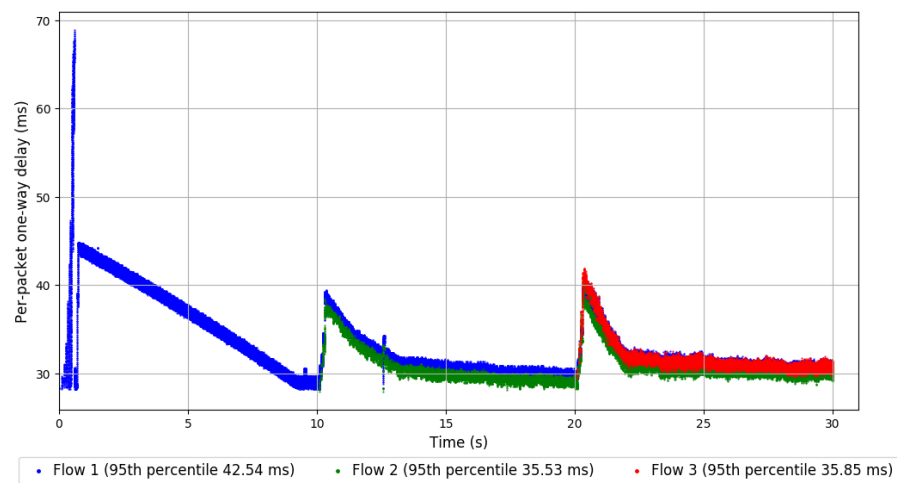
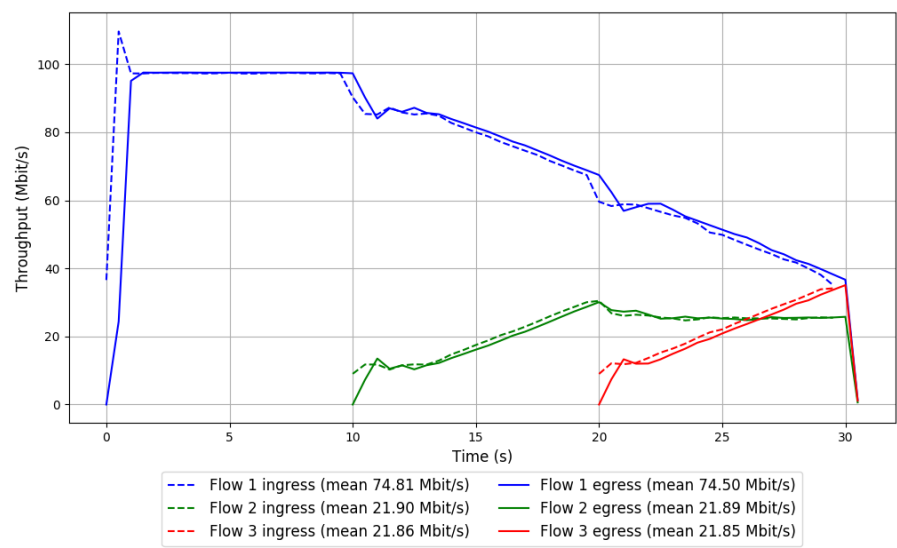


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 04:26:34
End at: 2018-05-22 04:27:04
Local clock offset: 0.532 ms
Remote clock offset: -7.242 ms

Below is generated by plot.py at 2018-05-22 07:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 42.023 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 74.50 Mbit/s
95th percentile per-packet one-way delay: 42.543 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 35.534 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 35.846 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

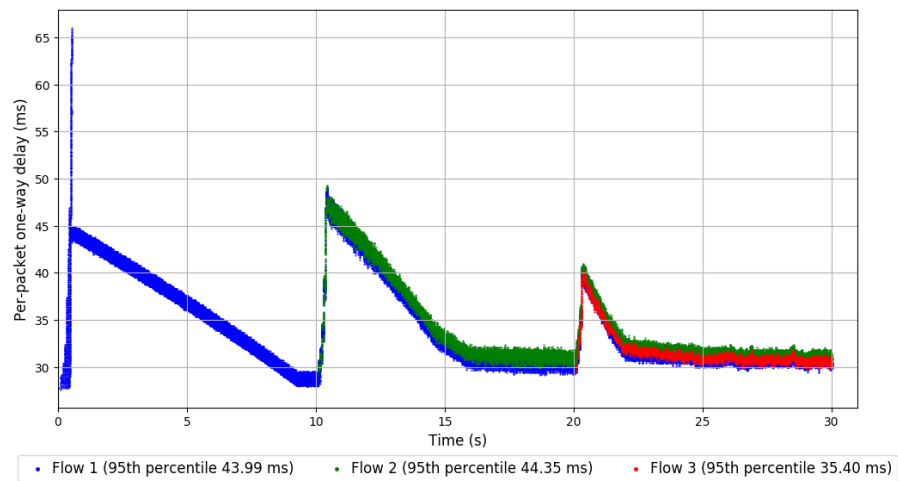
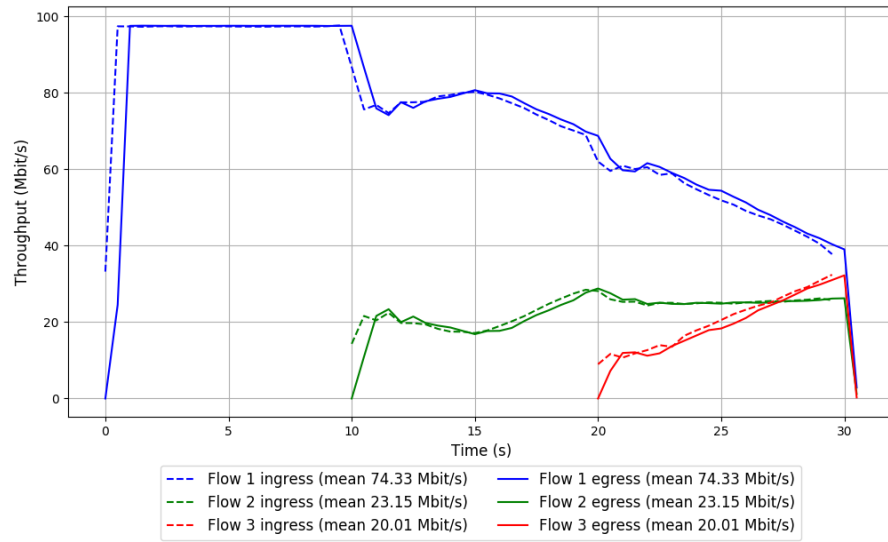


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 04:47:47
End at: 2018-05-22 04:48:17
Local clock offset: 0.763 ms
Remote clock offset: -1.112 ms

Below is generated by plot.py at 2018-05-22 07:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 43.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.33 Mbit/s
95th percentile per-packet one-way delay: 43.993 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 44.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: 35.395 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 05:09:04

End at: 2018-05-22 05:09:34

Local clock offset: 0.636 ms

Remote clock offset: 3.189 ms

Below is generated by plot.py at 2018-05-22 07:14:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 54.366 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 67.61 Mbit/s

95th percentile per-packet one-way delay: 49.697 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 55.679 ms

Loss rate: 0.02%

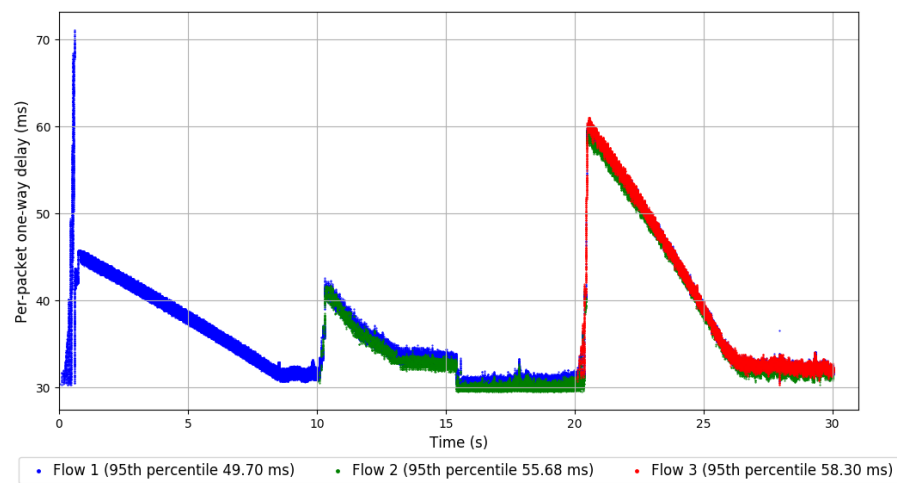
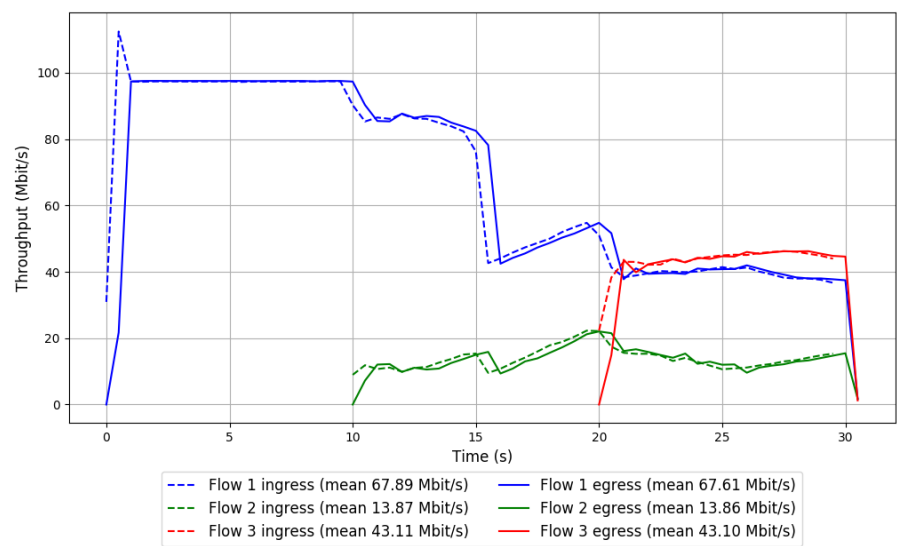
-- Flow 3:

Average throughput: 43.10 Mbit/s

95th percentile per-packet one-way delay: 58.300 ms

Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

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

End at: 2018-05-22 05:30:52

Local clock offset: 0.853 ms

Remote clock offset: 4.923 ms

Below is generated by plot.py at 2018-05-22 07:14:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 45.574 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 72.08 Mbit/s

95th percentile per-packet one-way delay: 45.383 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 18.14 Mbit/s

95th percentile per-packet one-way delay: 46.913 ms

Loss rate: 0.04%

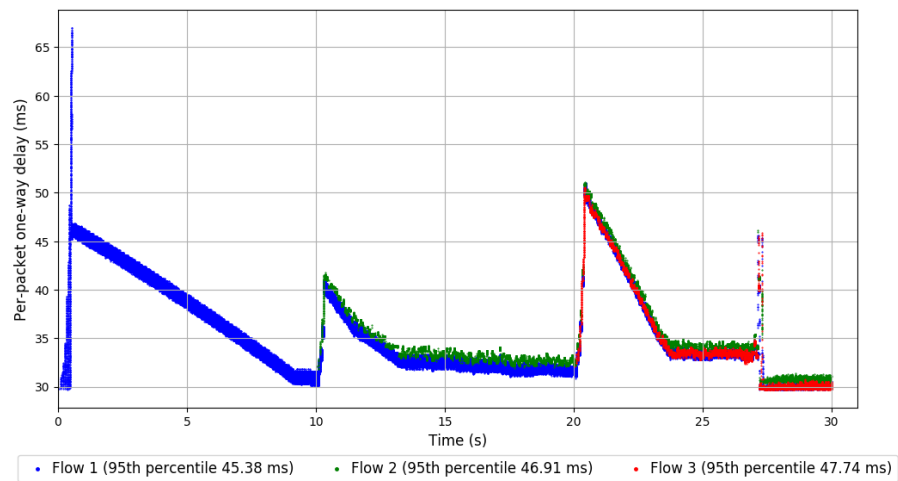
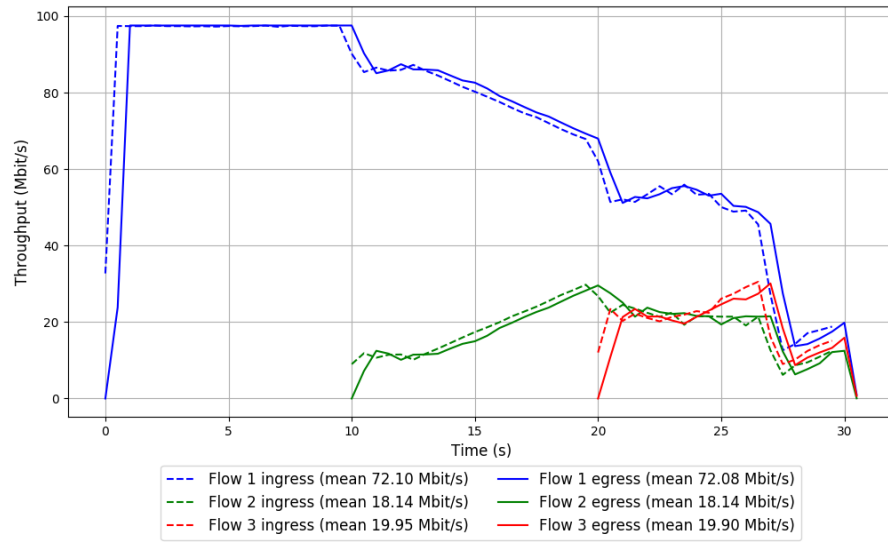
-- Flow 3:

Average throughput: 19.90 Mbit/s

95th percentile per-packet one-way delay: 47.740 ms

Loss rate: 0.28%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 05:52:06

End at: 2018-05-22 05:52:36

Local clock offset: 1.467 ms

Remote clock offset: 1.819 ms

Below is generated by plot.py at 2018-05-22 07:15:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 42.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 79.84 Mbit/s

95th percentile per-packet one-way delay: 42.760 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 43.123 ms

Loss rate: 0.00%

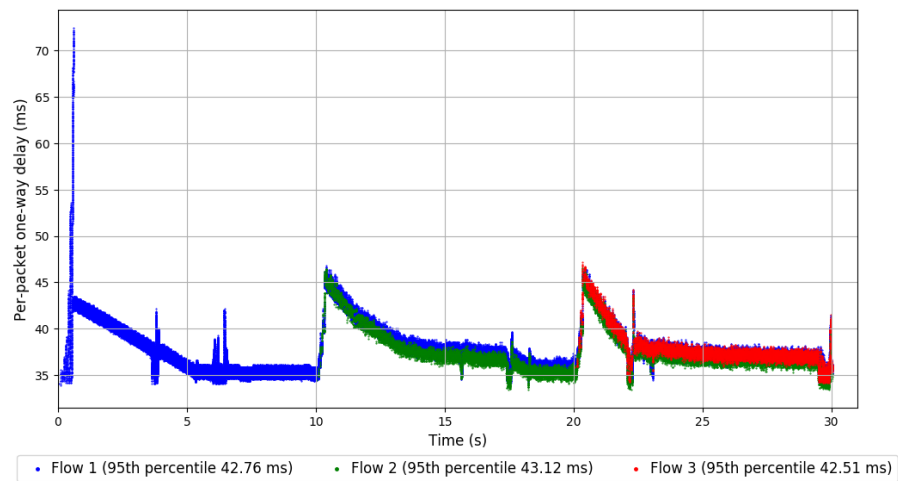
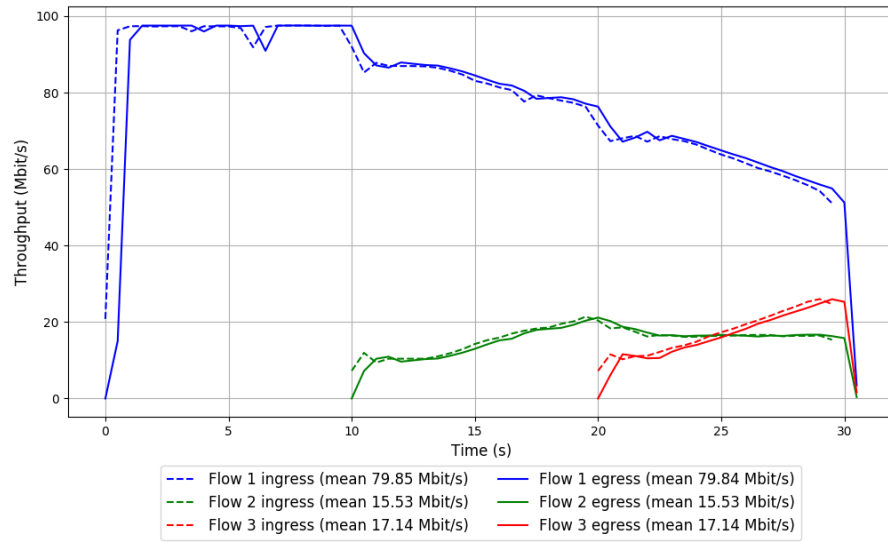
-- Flow 3:

Average throughput: 17.14 Mbit/s

95th percentile per-packet one-way delay: 42.509 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 06:14:32

End at: 2018-05-22 06:15:02

Local clock offset: 0.802 ms

Remote clock offset: 4.604 ms

Below is generated by plot.py at 2018-05-22 07:15:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 46.601 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 78.11 Mbit/s

95th percentile per-packet one-way delay: 44.694 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 16.93 Mbit/s

95th percentile per-packet one-way delay: 48.812 ms

Loss rate: 0.00%

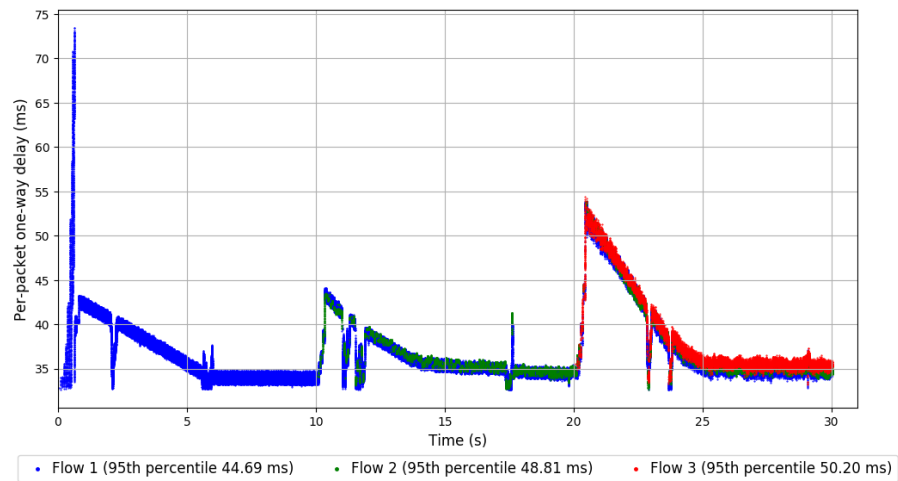
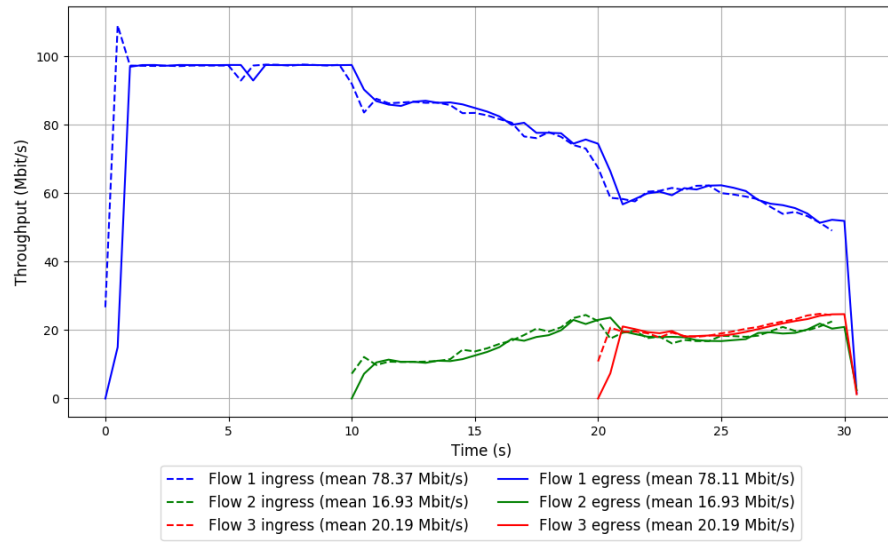
-- Flow 3:

Average throughput: 20.19 Mbit/s

95th percentile per-packet one-way delay: 50.199 ms

Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 06:36:27

End at: 2018-05-22 06:36:57

Local clock offset: 0.648 ms

Remote clock offset: 7.326 ms

Below is generated by plot.py at 2018-05-22 07:15:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 42.506 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 77.97 Mbit/s

95th percentile per-packet one-way delay: 42.650 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 42.048 ms

Loss rate: 0.00%

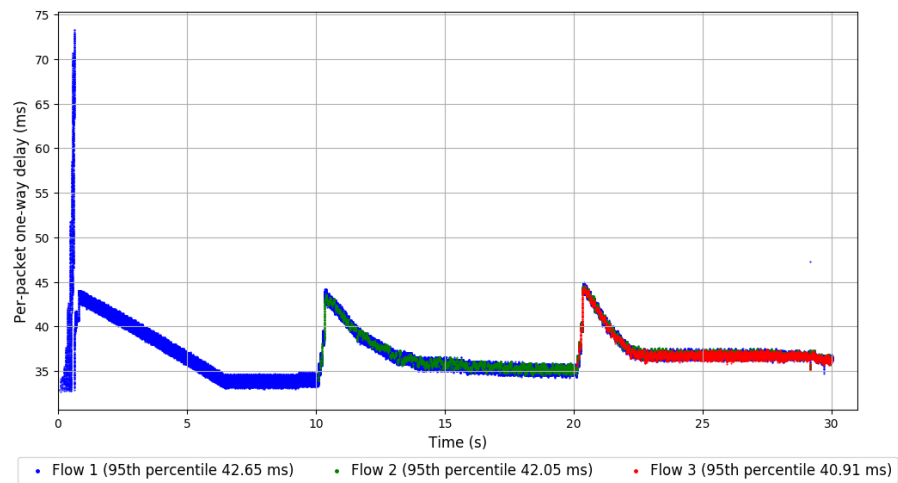
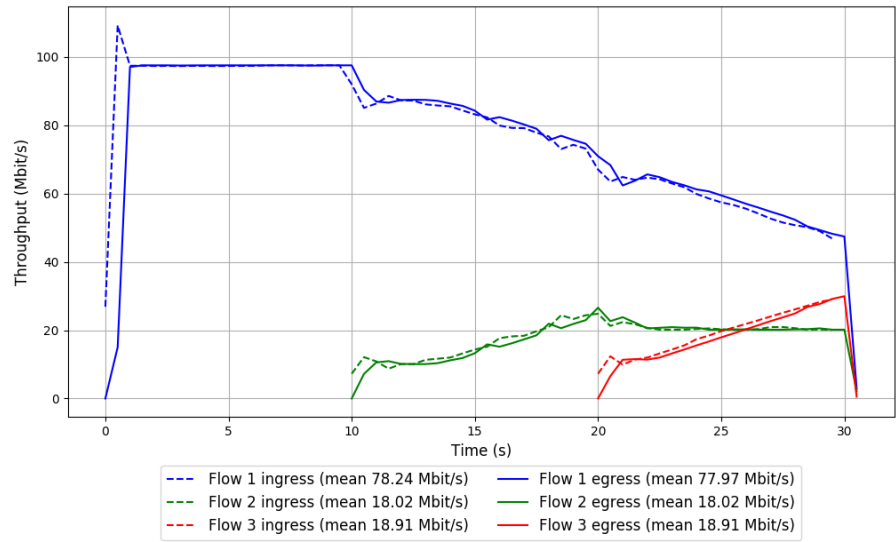
-- Flow 3:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 40.915 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-22 03:24:23

End at: 2018-05-22 03:24:53

Local clock offset: 1.863 ms

Remote clock offset: -0.074 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-22 03:45:48

End at: 2018-05-22 03:46:18

Local clock offset: 1.518 ms

Remote clock offset: -4.634 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-22 04:07:47

End at: 2018-05-22 04:08:17

Local clock offset: 0.876 ms

Remote clock offset: -6.804 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-22 04:29:16

End at: 2018-05-22 04:29:46

Local clock offset: 0.698 ms

Remote clock offset: -5.585 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-22 04:50:29

End at: 2018-05-22 04:50:59

Local clock offset: 0.757 ms

Remote clock offset: 1.224 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-22 05:11:47

End at: 2018-05-22 05:12:17

Local clock offset: 0.606 ms

Remote clock offset: 3.549 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-22 05:33:04

End at: 2018-05-22 05:33:34

Local clock offset: 1.004 ms

Remote clock offset: 1.514 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-22 05:55:02

End at: 2018-05-22 05:55:32

Local clock offset: 1.492 ms

Remote clock offset: 1.536 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-22 06:17:23

End at: 2018-05-22 06:17:53

Local clock offset: 0.796 ms

Remote clock offset: 5.379 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 06:39:13

End at: 2018-05-22 06:39:43

Local clock offset: 0.638 ms

Remote clock offset: 7.557 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 03:23:01

End at: 2018-05-22 03:23:31

Local clock offset: 1.834 ms

Remote clock offset: 1.022 ms

Below is generated by plot.py at 2018-05-22 07:15:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 39.641 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 65.52 Mbit/s

95th percentile per-packet one-way delay: 40.242 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 38.605 ms

Loss rate: 0.03%

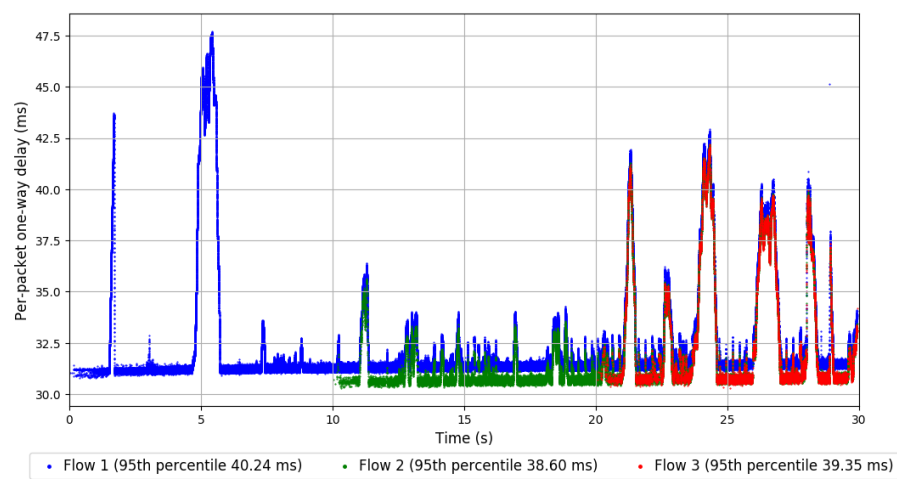
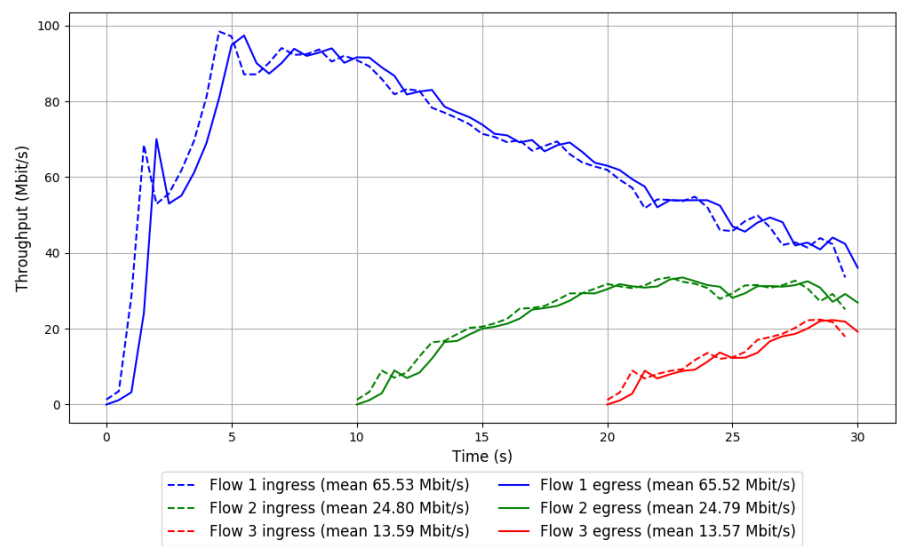
-- Flow 3:

Average throughput: 13.57 Mbit/s

95th percentile per-packet one-way delay: 39.348 ms

Loss rate: 0.08%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 03:44:26

End at: 2018-05-22 03:44:56

Local clock offset: 1.616 ms

Remote clock offset: -4.45 ms

Below is generated by plot.py at 2018-05-22 07:15:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.06 Mbit/s

95th percentile per-packet one-way delay: 37.399 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 61.99 Mbit/s

95th percentile per-packet one-way delay: 39.046 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 30.40 Mbit/s

95th percentile per-packet one-way delay: 35.837 ms

Loss rate: 0.10%

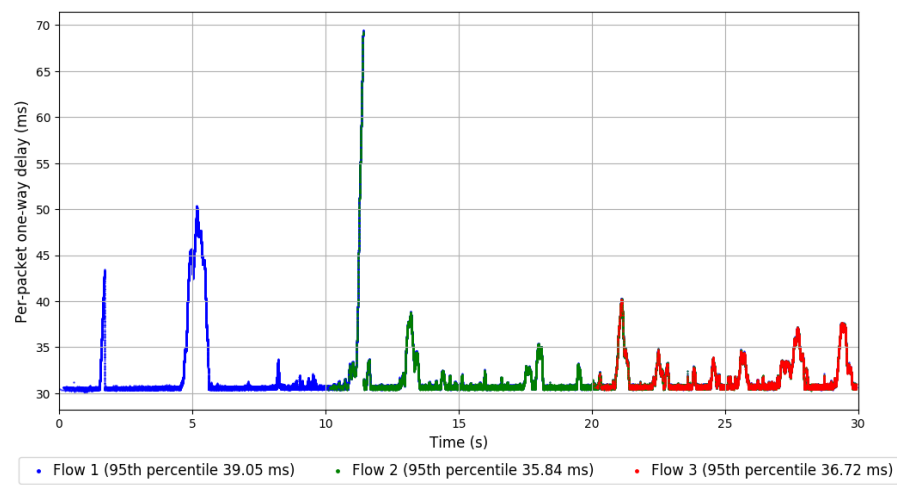
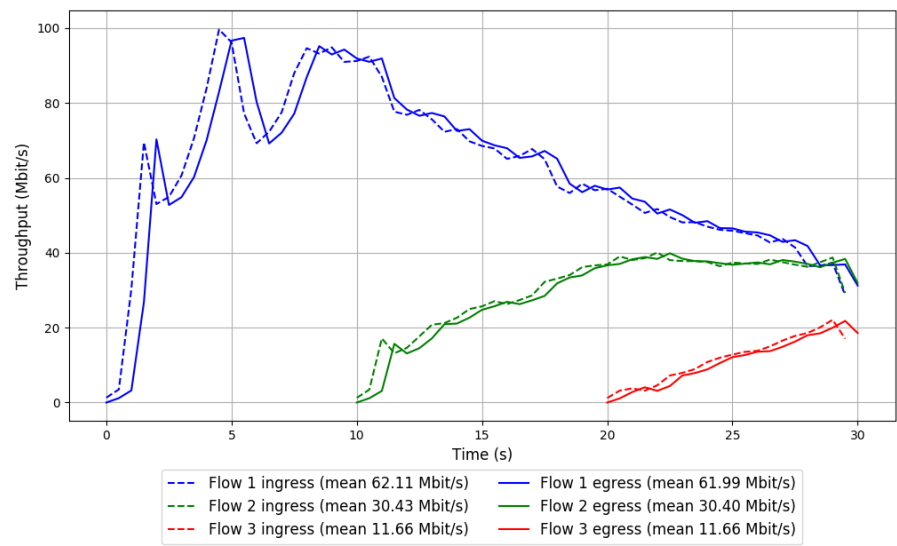
-- Flow 3:

Average throughput: 11.66 Mbit/s

95th percentile per-packet one-way delay: 36.718 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 04:06:11

End at: 2018-05-22 04:06:41

Local clock offset: 0.999 ms

Remote clock offset: -8.78 ms

Below is generated by plot.py at 2018-05-22 07:15:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.06 Mbit/s

95th percentile per-packet one-way delay: 44.722 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 42.402 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 31.37 Mbit/s

95th percentile per-packet one-way delay: 46.340 ms

Loss rate: 0.06%

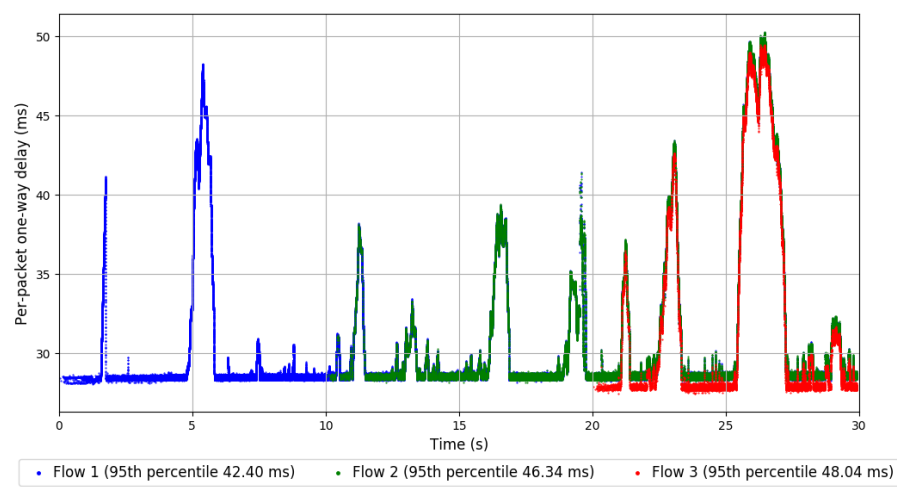
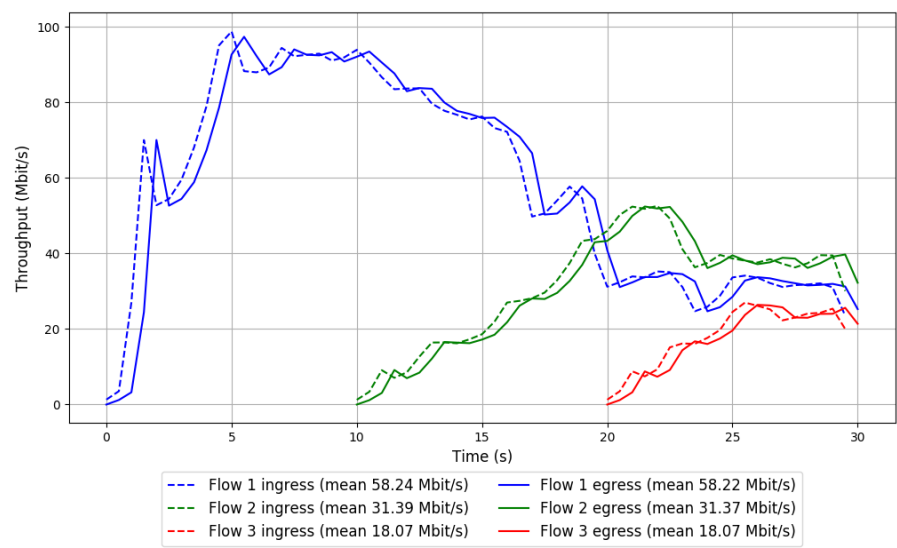
-- Flow 3:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 48.043 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

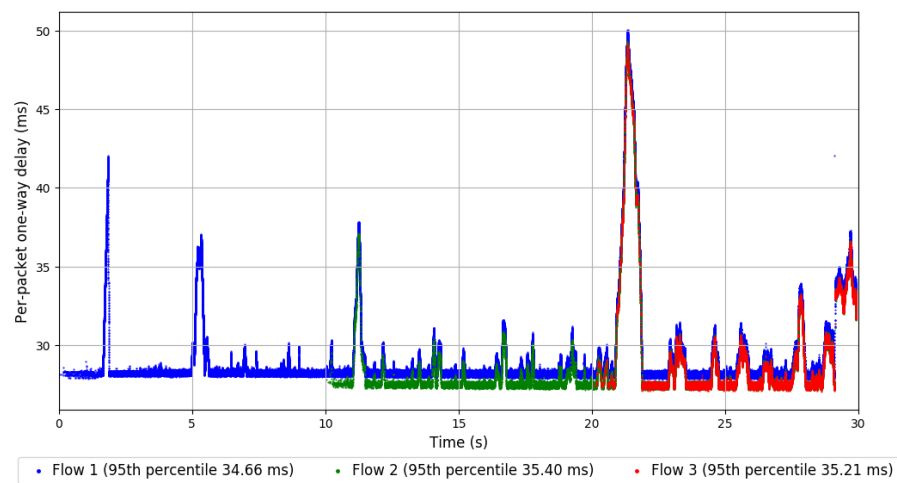
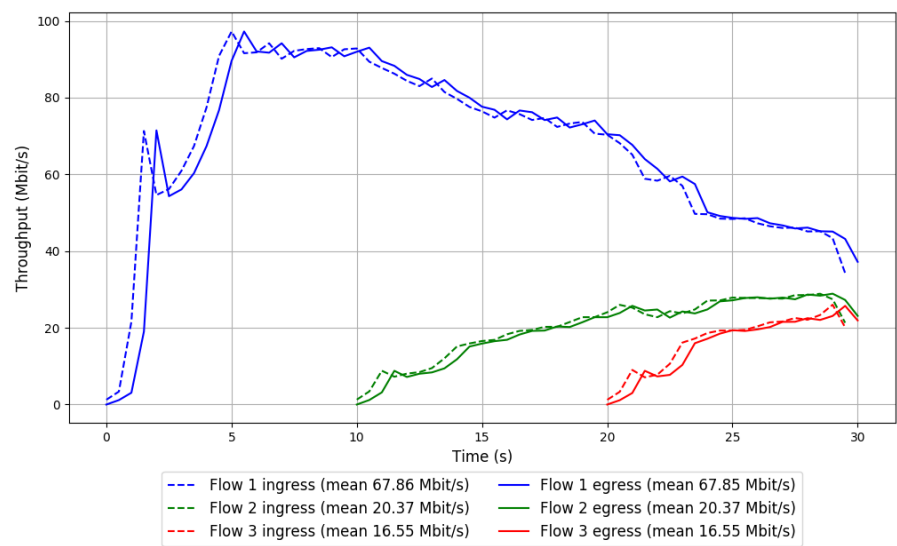


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 04:27:54
End at: 2018-05-22 04:28:24
Local clock offset: 0.658 ms
Remote clock offset: -6.455 ms

Below is generated by plot.py at 2018-05-22 07:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 34.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 34.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 35.401 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.55 Mbit/s
95th percentile per-packet one-way delay: 35.210 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 04:49:08

End at: 2018-05-22 04:49:38

Local clock offset: 0.837 ms

Remote clock offset: 1.536 ms

Below is generated by plot.py at 2018-05-22 07:16:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 45.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.76 Mbit/s

95th percentile per-packet one-way delay: 46.017 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.53 Mbit/s

95th percentile per-packet one-way delay: 46.031 ms

Loss rate: 0.00%

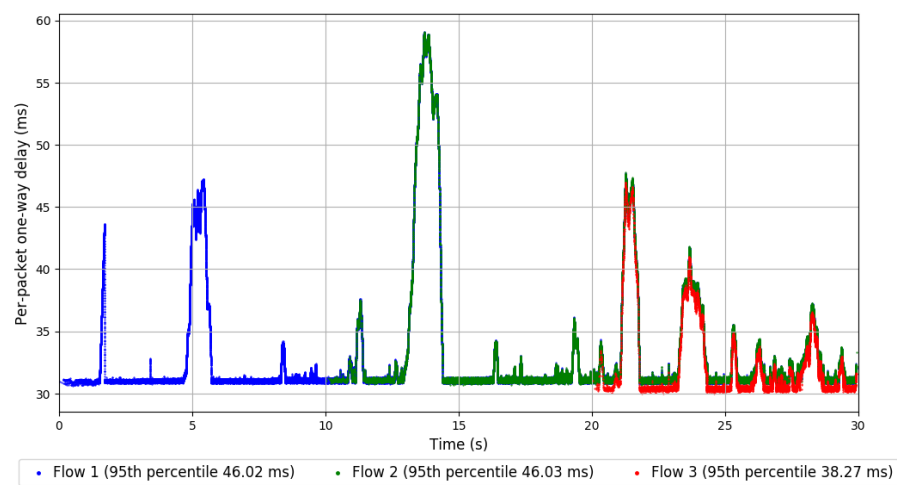
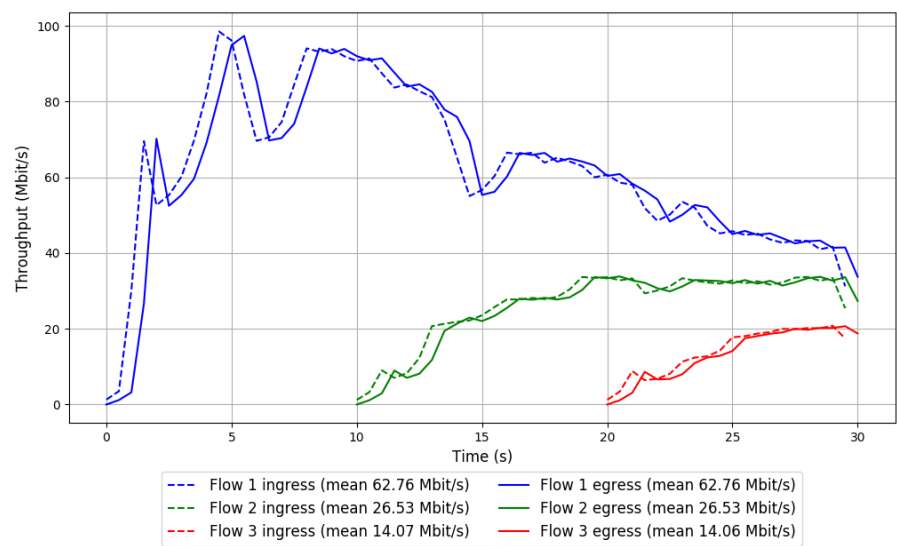
-- Flow 3:

Average throughput: 14.06 Mbit/s

95th percentile per-packet one-way delay: 38.273 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 05:10:25

End at: 2018-05-22 05:10:55

Local clock offset: 0.61 ms

Remote clock offset: 3.328 ms

Below is generated by plot.py at 2018-05-22 07:16:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 39.515 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 62.84 Mbit/s

95th percentile per-packet one-way delay: 39.619 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 27.35 Mbit/s

95th percentile per-packet one-way delay: 41.201 ms

Loss rate: 0.05%

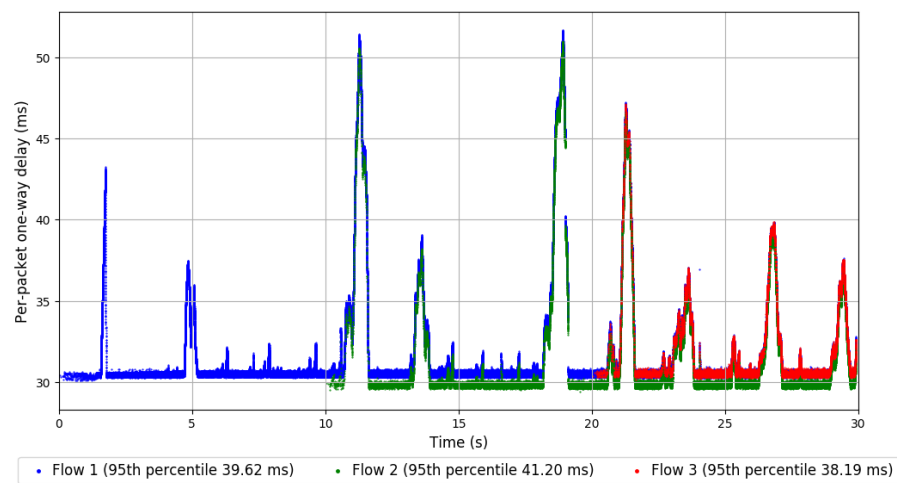
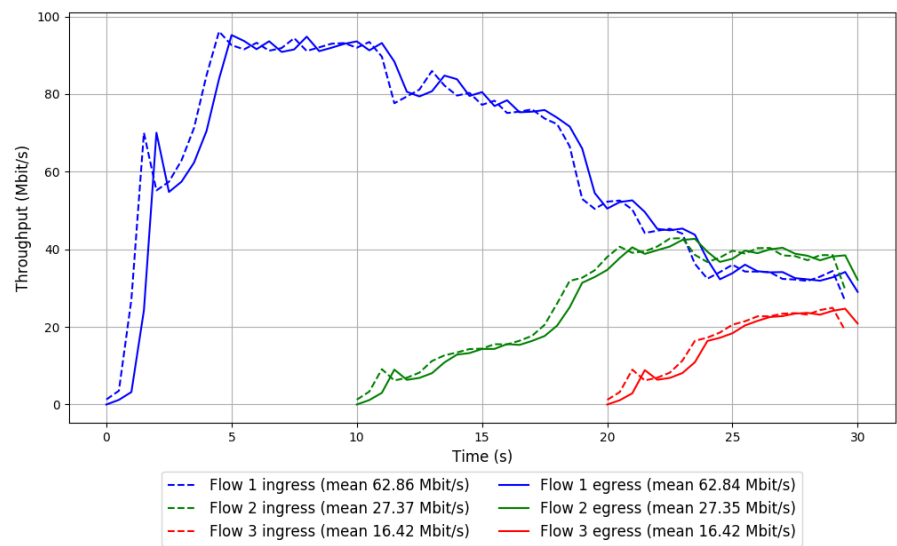
-- Flow 3:

Average throughput: 16.42 Mbit/s

95th percentile per-packet one-way delay: 38.190 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 05:31:42

End at: 2018-05-22 05:32:12

Local clock offset: 0.933 ms

Remote clock offset: 2.533 ms

Below is generated by plot.py at 2018-05-22 07:16:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 52.448 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 36.939 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 55.750 ms

Loss rate: 0.01%

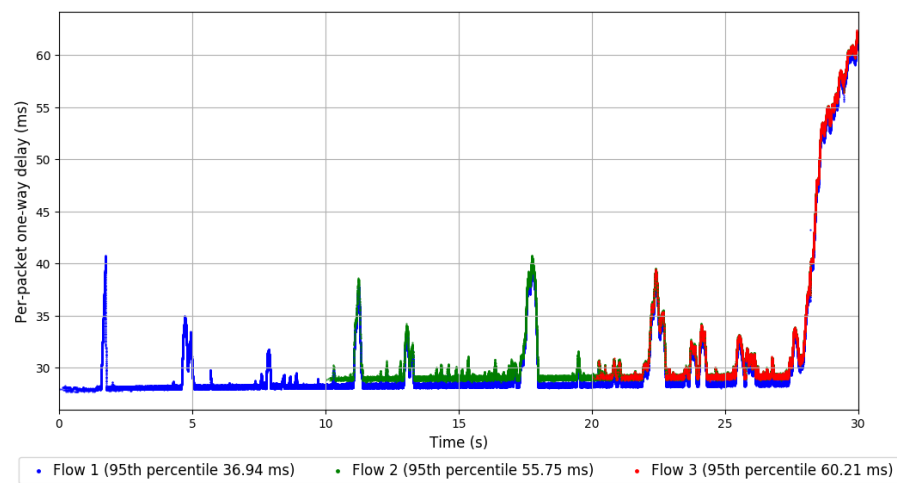
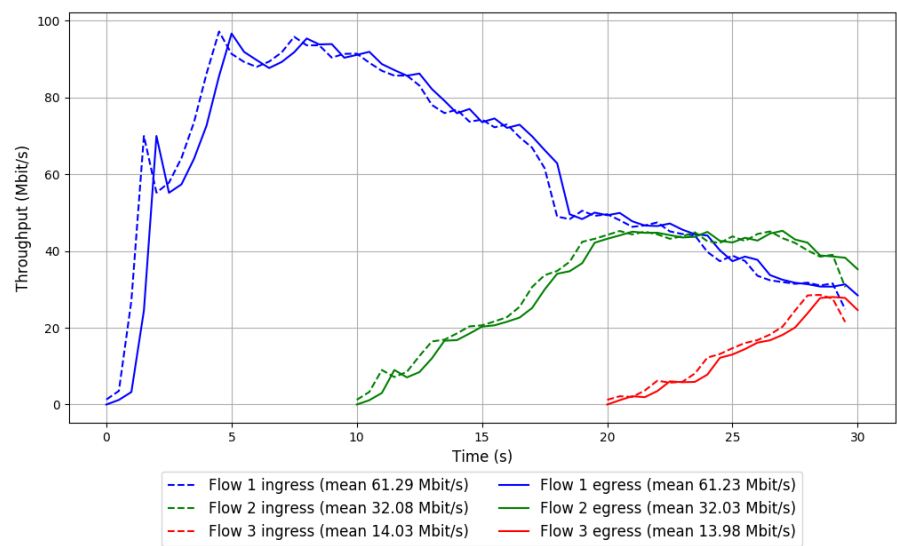
-- Flow 3:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 60.212 ms

Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 05:53:35

End at: 2018-05-22 05:54:05

Local clock offset: 1.394 ms

Remote clock offset: 1.636 ms

Below is generated by plot.py at 2018-05-22 07:16:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.66 Mbit/s

95th percentile per-packet one-way delay: 41.041 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 40.720 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.66 Mbit/s

95th percentile per-packet one-way delay: 41.087 ms

Loss rate: 0.00%

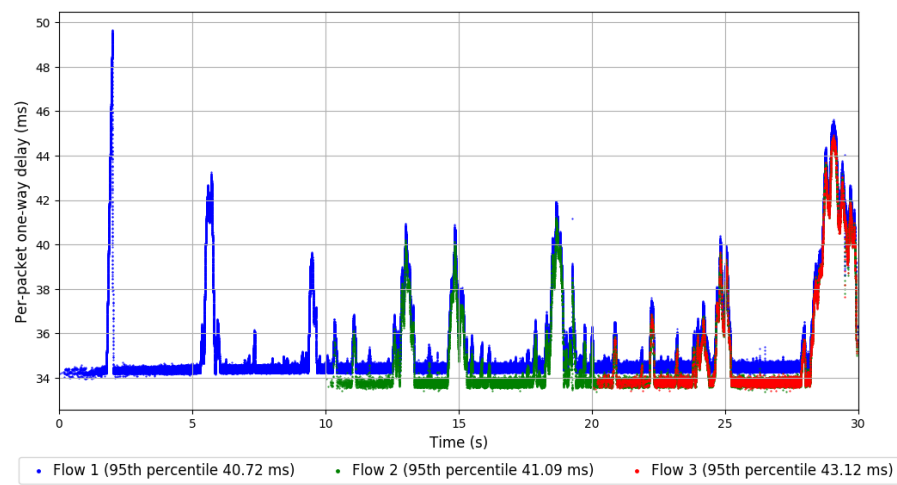
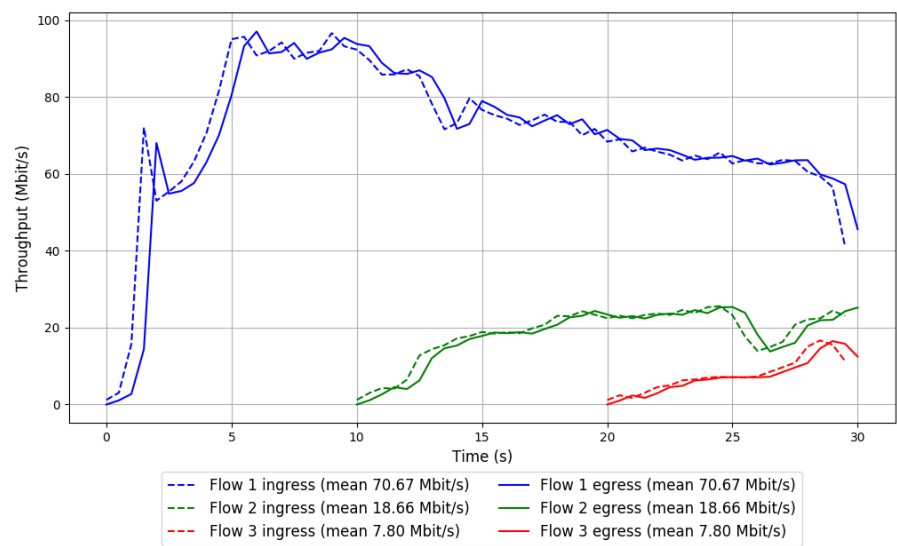
-- Flow 3:

Average throughput: 7.80 Mbit/s

95th percentile per-packet one-way delay: 43.117 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 06:15:56

End at: 2018-05-22 06:16:26

Local clock offset: 0.796 ms

Remote clock offset: 4.952 ms

Below is generated by plot.py at 2018-05-22 07:16:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 49.710 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.31 Mbit/s

95th percentile per-packet one-way delay: 50.084 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 49.591 ms

Loss rate: 0.00%

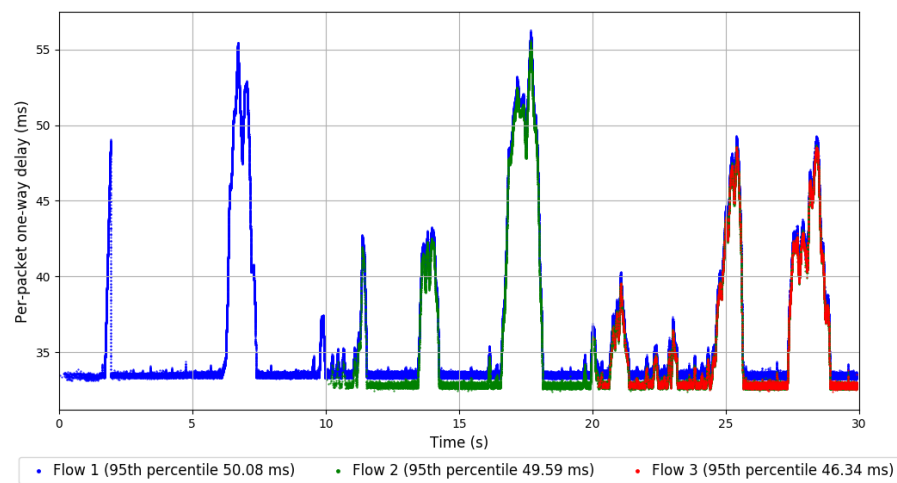
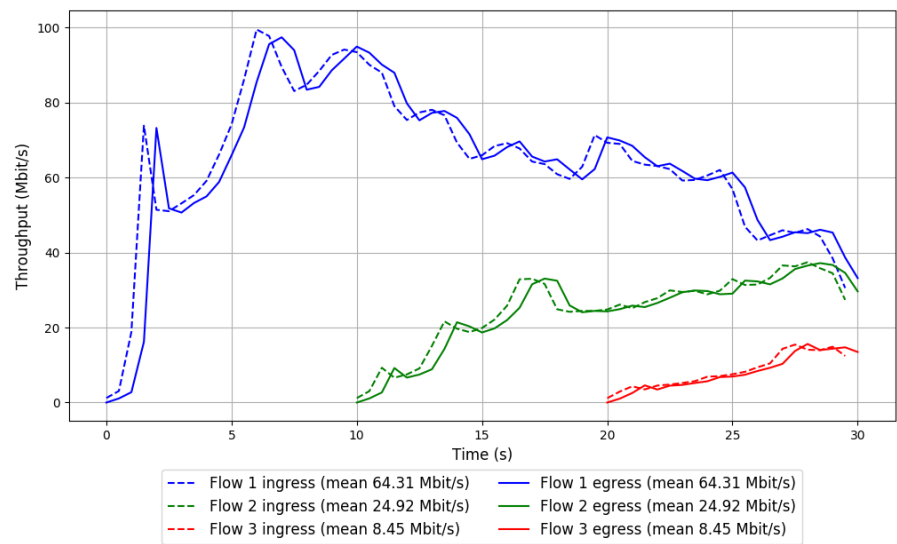
-- Flow 3:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 46.340 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 06:37:49

End at: 2018-05-22 06:38:19

Local clock offset: 0.631 ms

Remote clock offset: 7.335 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.72 Mbit/s

95th percentile per-packet one-way delay: 54.490 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 65.48 Mbit/s

95th percentile per-packet one-way delay: 53.943 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 57.809 ms

Loss rate: 0.29%

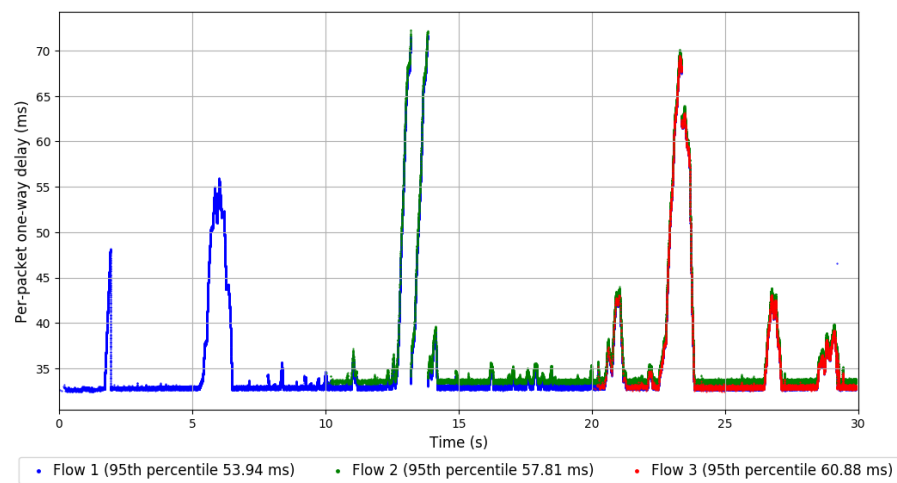
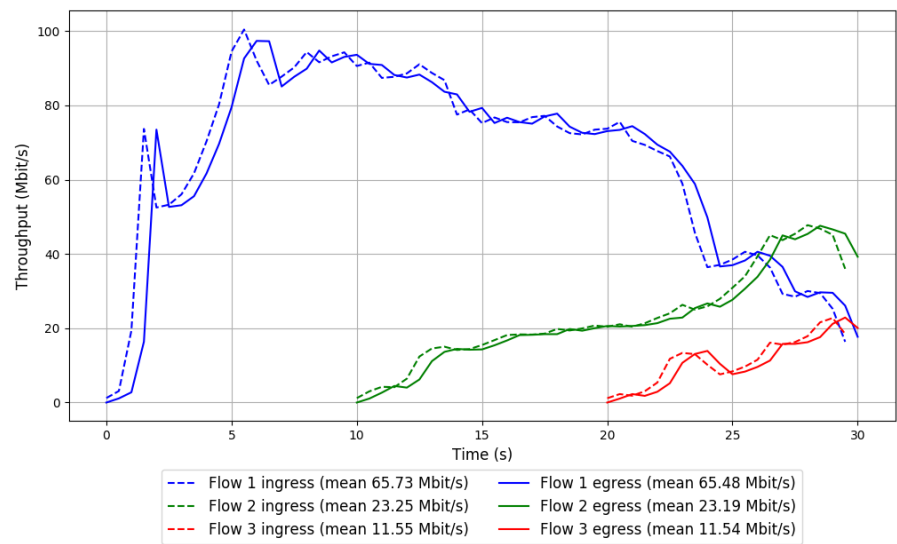
-- Flow 3:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 60.875 ms

Loss rate: 0.07%

Run 10: Report of PCC-Vivace — Data Link

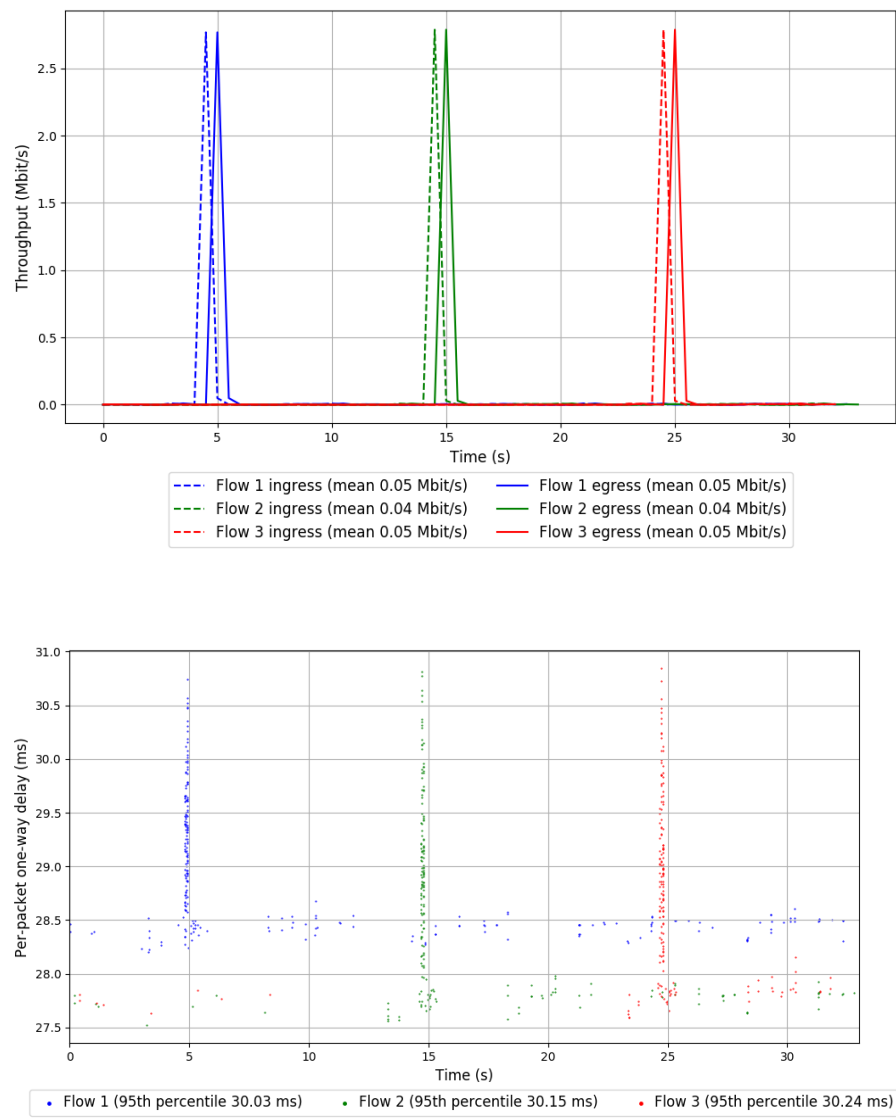


Run 1: Statistics of WebRTC media

Start at: 2018-05-22 03:26:55
End at: 2018-05-22 03:27:25
Local clock offset: 1.893 ms
Remote clock offset: -3.046 ms

Below is generated by plot.py at 2018-05-22 07:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 30.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 30.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.236 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

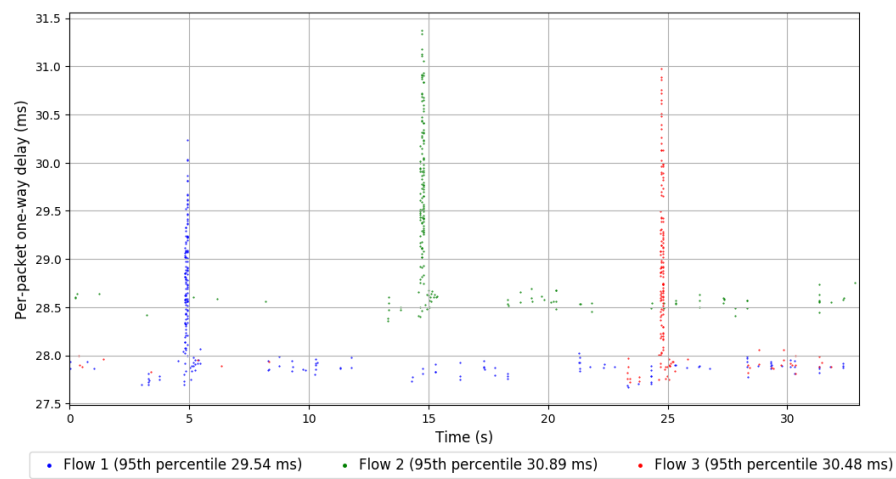
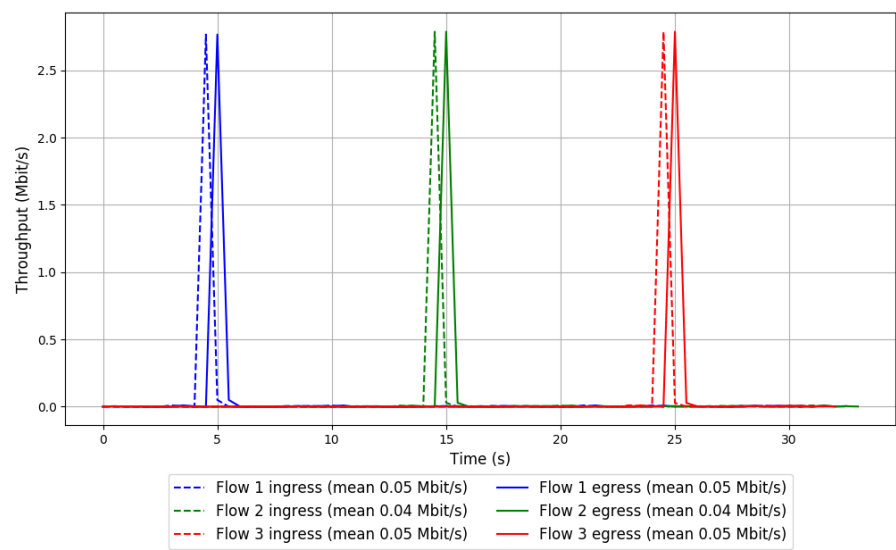


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 03:48:20
End at: 2018-05-22 03:48:50
Local clock offset: 1.528 ms
Remote clock offset: -6.862 ms

Below is generated by plot.py at 2018-05-22 07:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 30.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.481 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

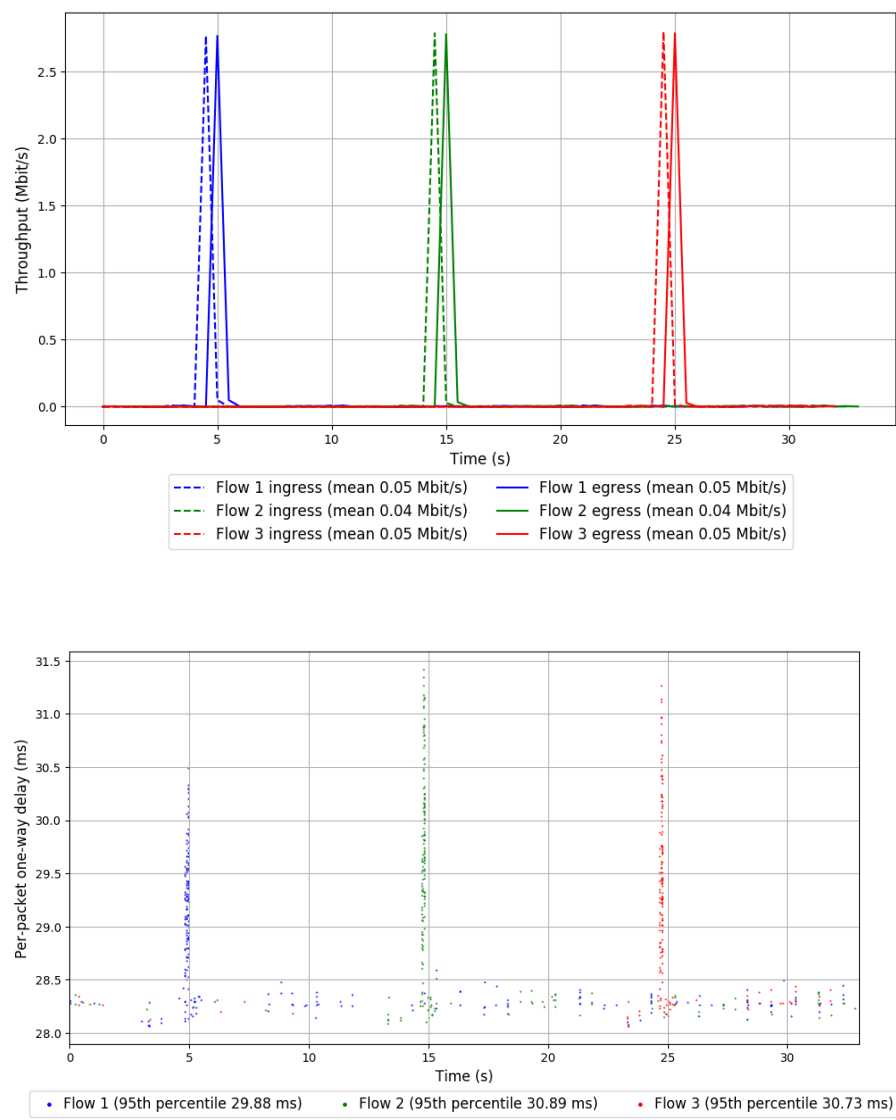


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 04:10:33
End at: 2018-05-22 04:11:03
Local clock offset: 0.853 ms
Remote clock offset: -9.201 ms

Below is generated by plot.py at 2018-05-22 07:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 30.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 30.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 30.734 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-22 04:31:48

End at: 2018-05-22 04:32:18

Local clock offset: 0.648 ms

Remote clock offset: -4.52 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 29.678 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 29.276 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 29.789 ms

Loss rate: 0.00%

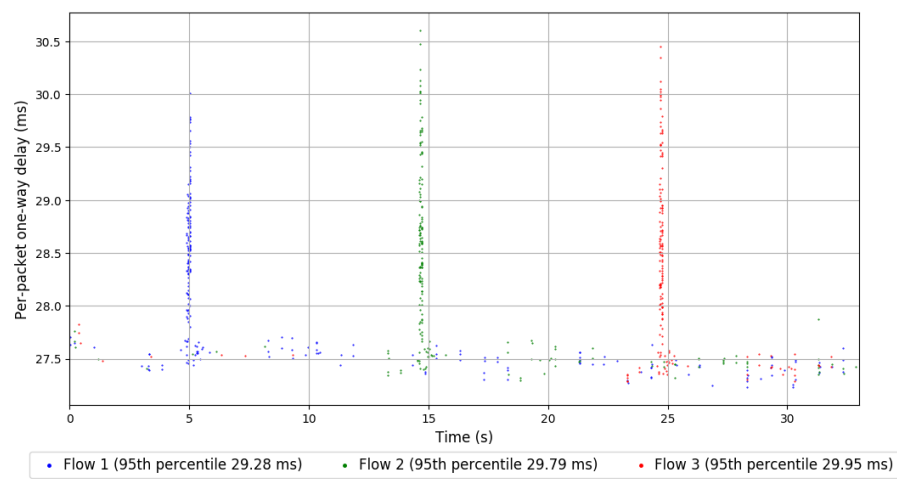
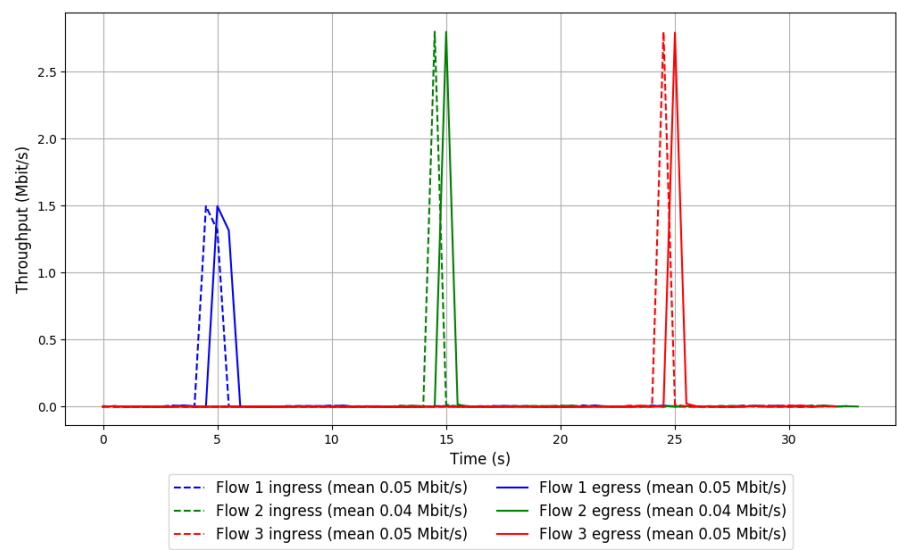
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 29.947 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-22 04:53:02

End at: 2018-05-22 04:53:32

Local clock offset: 0.83 ms

Remote clock offset: 1.371 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 32.464 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.139 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 32.896 ms

Loss rate: 0.00%

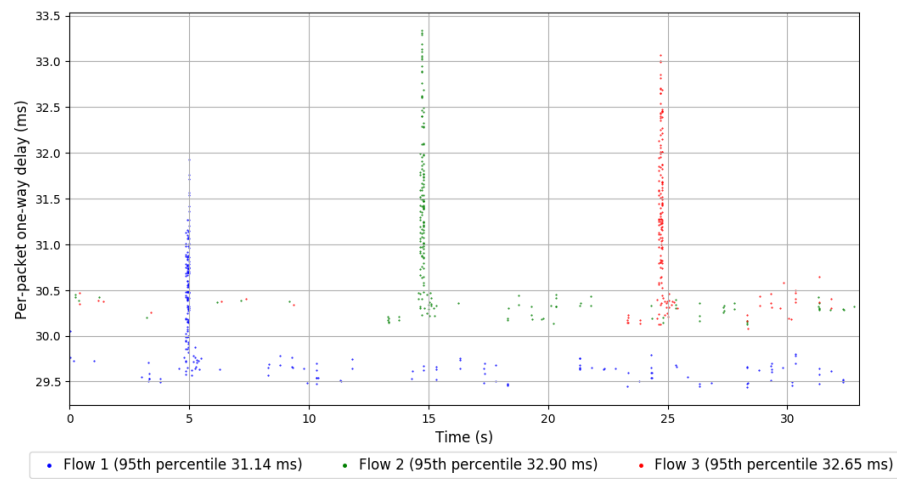
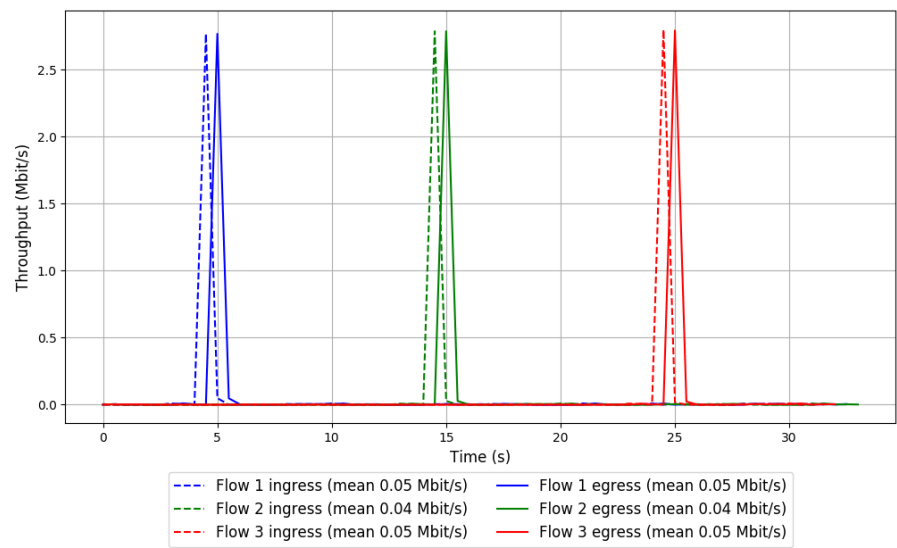
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.651 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-22 05:14:20

End at: 2018-05-22 05:14:50

Local clock offset: 0.568 ms

Remote clock offset: 1.602 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 30.246 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 29.159 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 29.935 ms

Loss rate: 0.00%

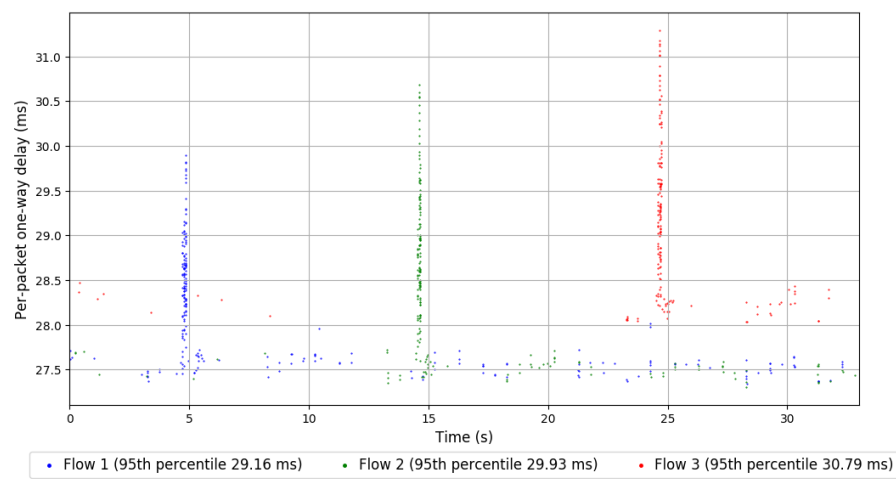
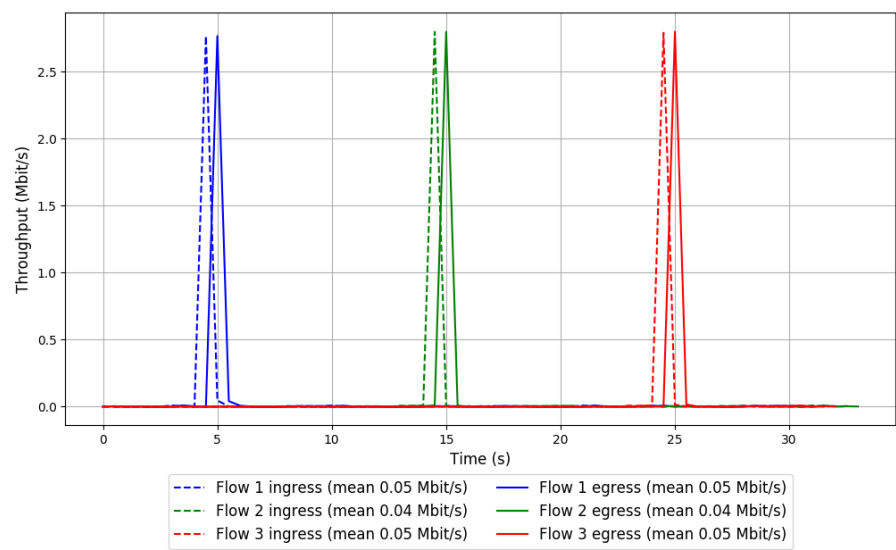
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 30.789 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-22 05:35:37

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

Local clock offset: 1.046 ms

Remote clock offset: 2.715 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 33.396 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.903 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 33.442 ms

Loss rate: 0.00%

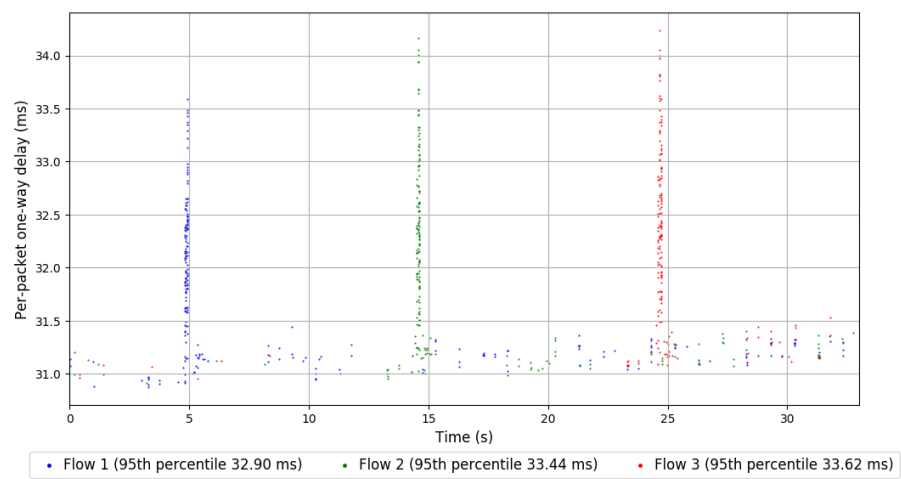
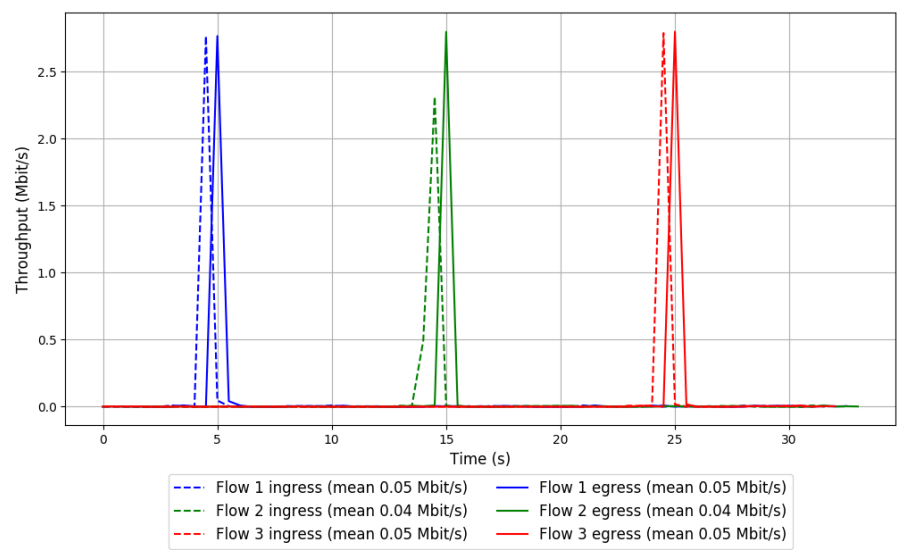
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 33.621 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-22 05:57:36

End at: 2018-05-22 05:58:06

Local clock offset: 1.351 ms

Remote clock offset: 1.267 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 36.228 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.822 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 36.464 ms

Loss rate: 0.00%

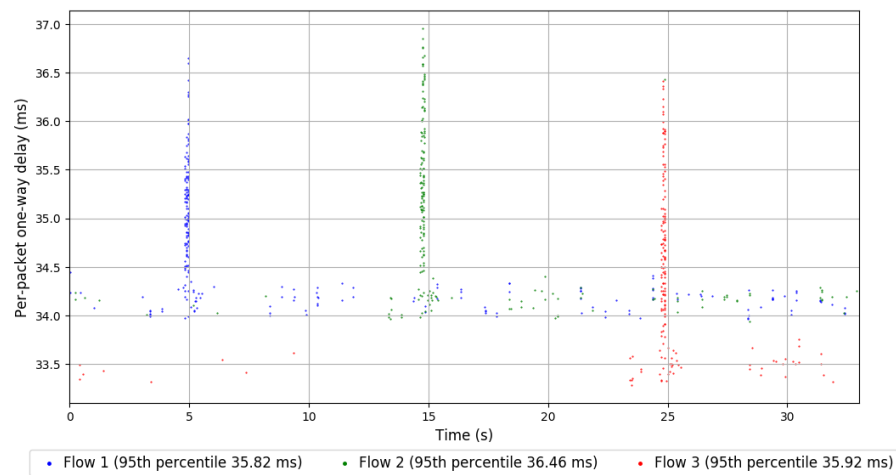
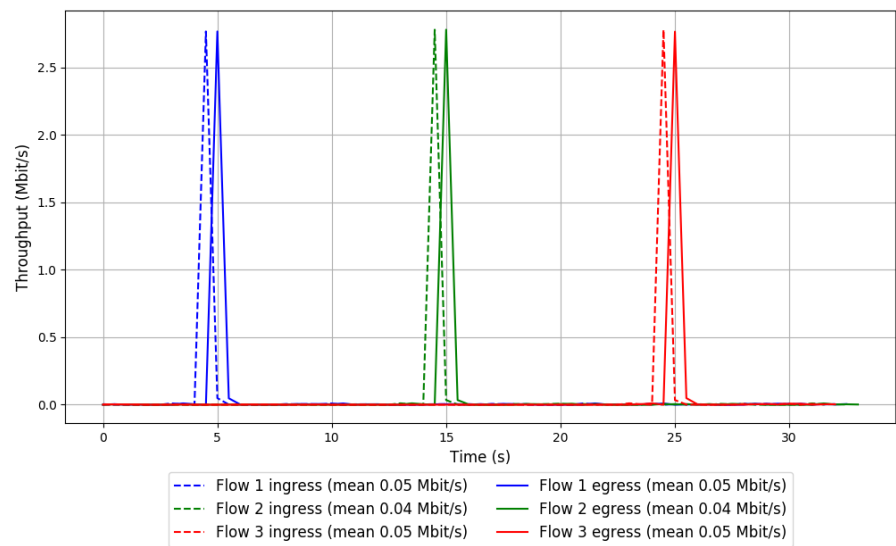
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.923 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-22 06:19:57

End at: 2018-05-22 06:20:27

Local clock offset: 0.669 ms

Remote clock offset: 5.751 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 35.389 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.032 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 35.778 ms

Loss rate: 0.00%

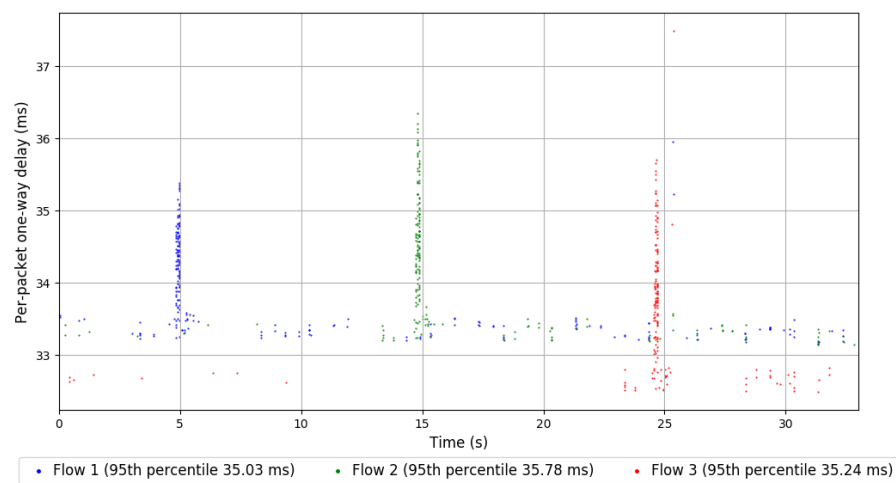
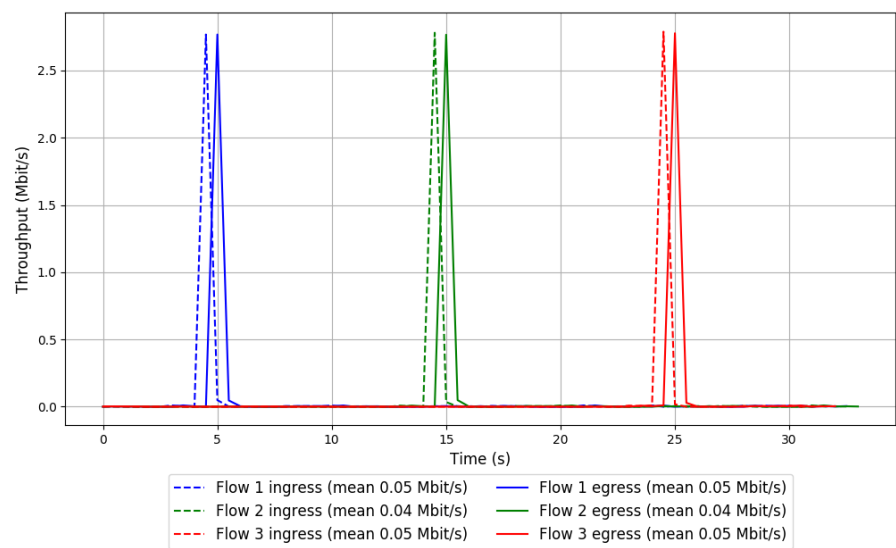
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.238 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 06:41:46

End at: 2018-05-22 06:42:16

Local clock offset: 0.609 ms

Remote clock offset: 7.248 ms

Below is generated by plot.py at 2018-05-22 07:16:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 35.563 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.250 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 35.915 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.362 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

