

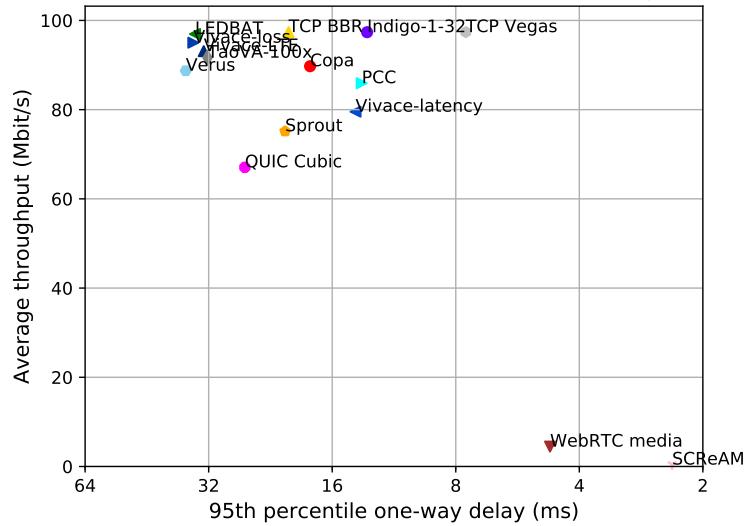
Pantheon Report

Generated at 2018-02-16 17:51:11 (UTC).
Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

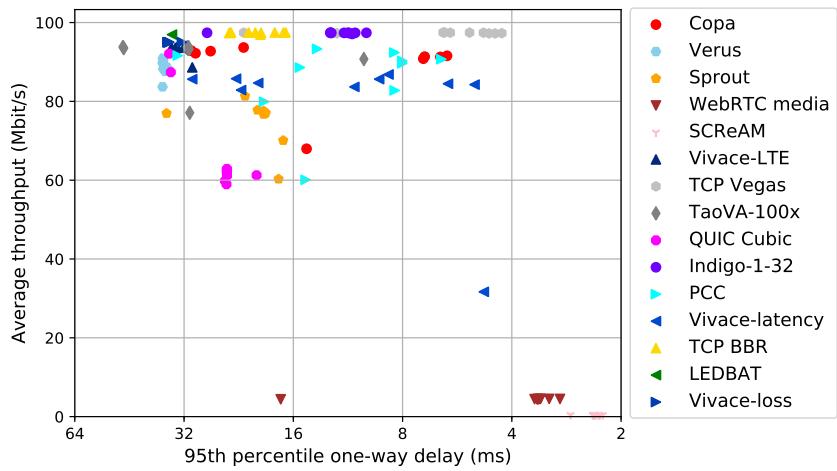
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efef6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



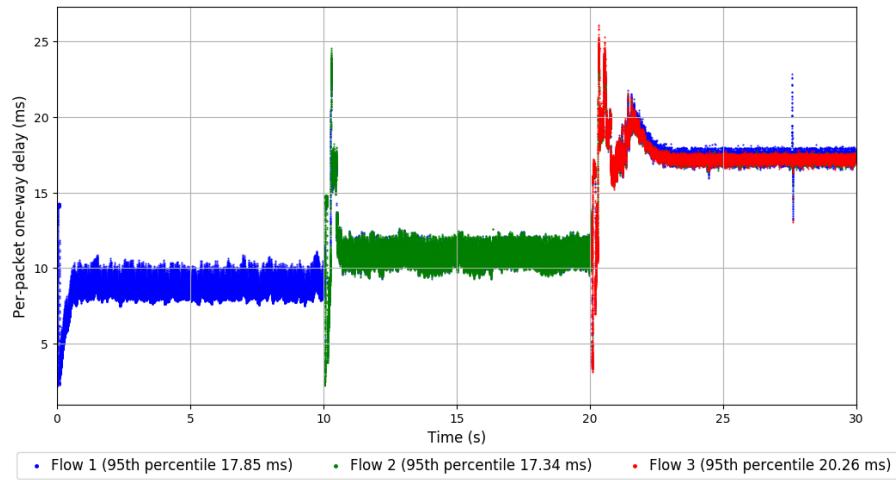
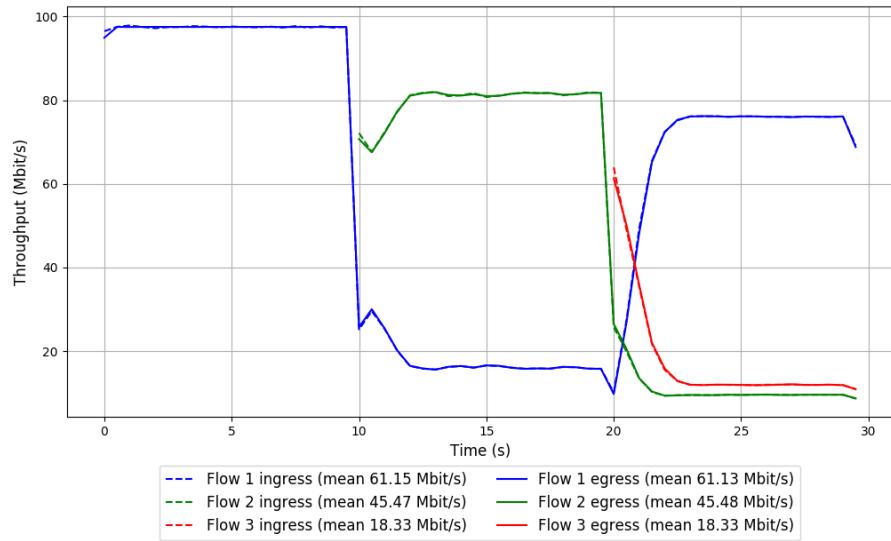
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	66.36	35.43	22.51	20.15	20.47	25.19	0.08	0.06	0.18
TCP Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEDBAT	1	53.24	48.83	33.96	31.91	35.61	36.21	0.11	0.43	0.99
PCC	10	63.36	29.12	9.78	13.76	14.42	12.91	0.02	0.05	0.08
QUIC Cubic	10	11.51	64.28	41.61	8.83	26.09	26.24	0.01	0.09	0.28
SCReAM	10	0.22	0.22	0.22	2.38	2.37	2.38	0.00	0.02	0.00
WebRTC media	10	2.36	1.47	0.65	4.70	4.70	4.82	0.01	0.03	0.00
Sprout	10	40.92	37.33	28.55	19.69	20.54	22.34	0.05	0.05	0.17
TaoVA-100x	10	53.45	40.84	33.30	31.71	32.27	32.35	0.06	0.13	0.27
TCP Vegas	10	50.46	42.64	55.92	11.22	7.44	6.30	0.01	0.02	0.04
Verus	10	51.94	40.47	29.75	35.36	36.37	36.61	0.07	0.14	0.41
Copa	10	50.48	44.63	28.88	15.69	18.35	18.87	0.03	0.08	0.17
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo-1-32	10	48.72	46.63	54.00	11.94	13.24	14.64	0.00	0.04	0.13
Vivace-latency	10	50.94	30.83	24.65	10.84	16.07	17.30	0.02	0.04	0.12
Vivace-loss	6	59.72	40.48	28.40	33.50	34.98	34.99	0.15	1.98	4.75
Vivace-LTE	10	59.60	36.84	27.51	31.15	33.32	34.04	0.05	0.13	0.32

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-16 10:42:53
End at: 2018-02-16 10:43:23
Local clock offset: -8.827 ms
Remote clock offset: -4.472 ms

# Below is generated by plot.py at 2018-02-16 17:29:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.999 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 17.851 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 17.335 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 20.263 ms
Loss rate: 0.13%
```

Run 1: Report of TCP BBR — Data Link

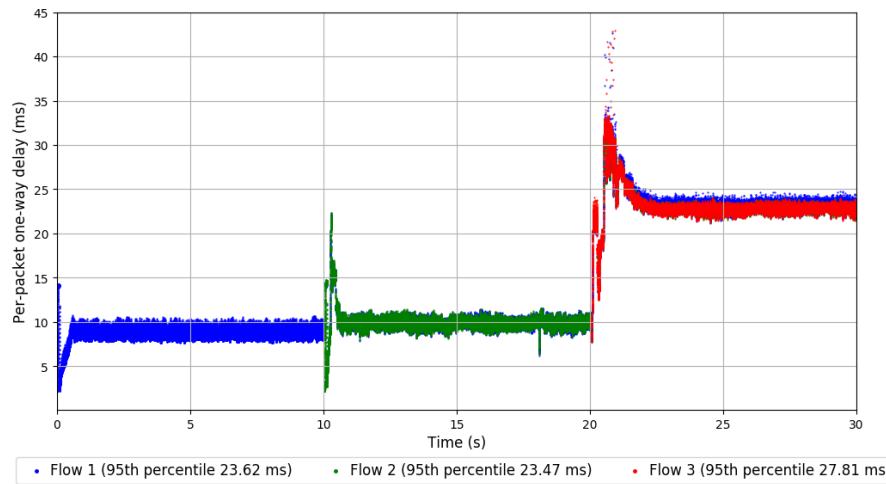
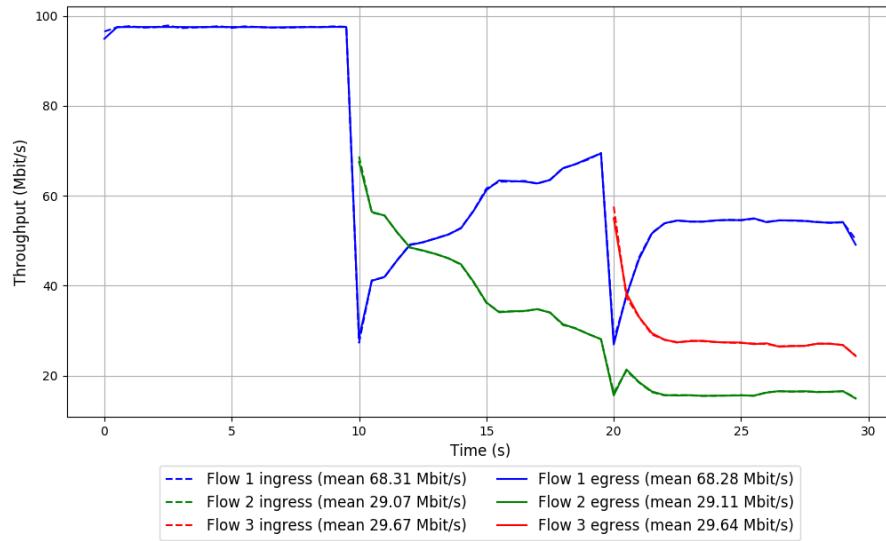


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-16 11:03:20
End at: 2018-02-16 11:03:50
Local clock offset: -4.658 ms
Remote clock offset: -4.209 ms

# Below is generated by plot.py at 2018-02-16 17:29:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.764 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 23.619 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 23.467 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 27.809 ms
Loss rate: 0.23%
```

Run 2: Report of TCP BBR — Data Link

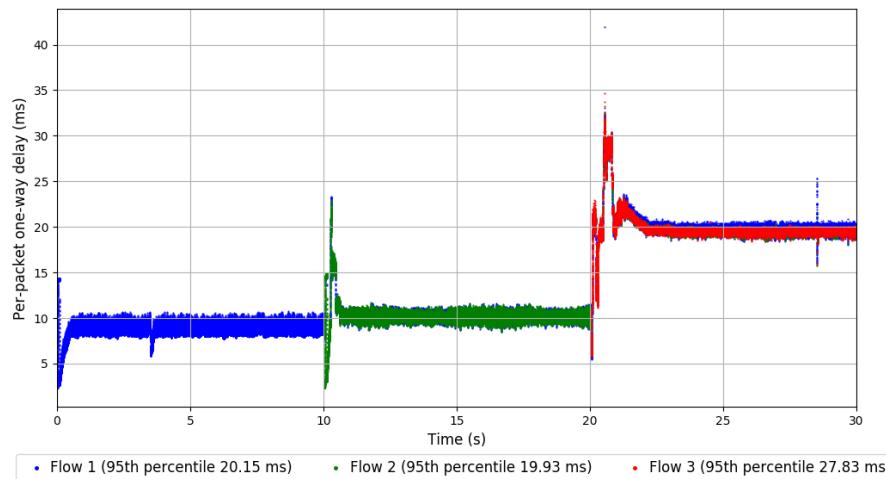
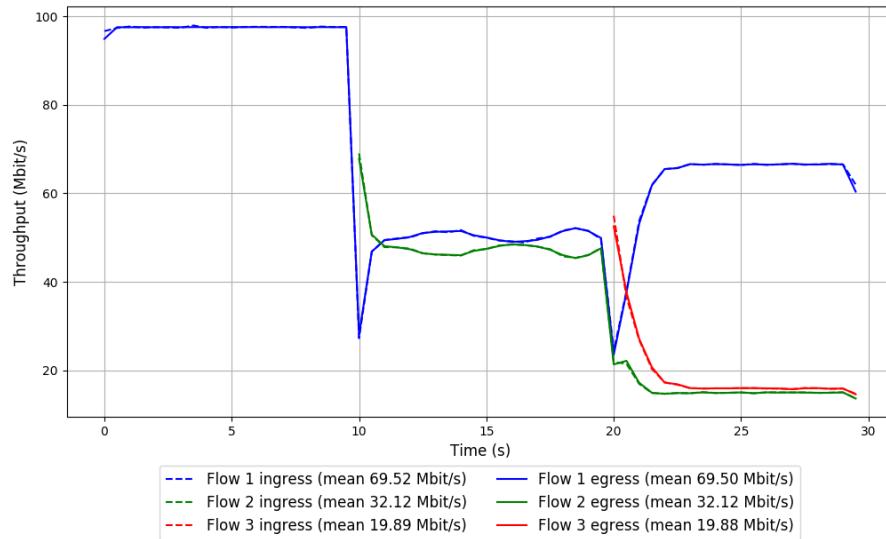


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-16 11:23:45
End at: 2018-02-16 11:24:15
Local clock offset: -2.674 ms
Remote clock offset: -4.676 ms

# Below is generated by plot.py at 2018-02-16 17:29:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.50 Mbit/s
95th percentile per-packet one-way delay: 20.151 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 19.929 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 27.830 ms
Loss rate: 0.18%
```

Run 3: Report of TCP BBR — Data Link

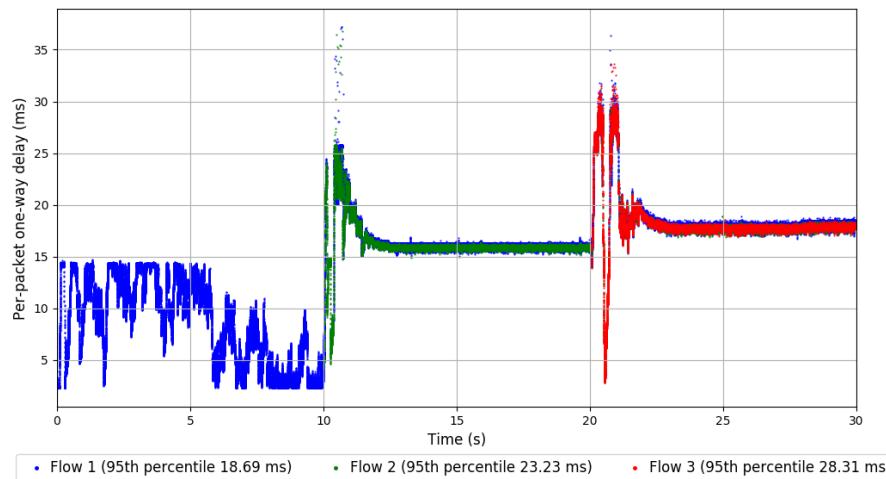
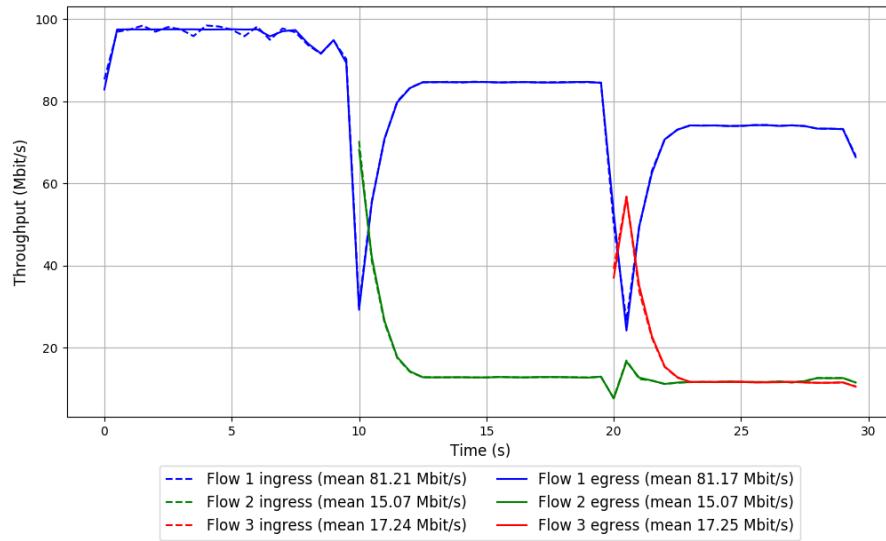


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-16 11:44:12
End at: 2018-02-16 11:44:42
Local clock offset: -6.333 ms
Remote clock offset: -4.779 ms

# Below is generated by plot.py at 2018-02-16 17:29:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 19.712 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 18.686 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 23.225 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 28.310 ms
Loss rate: 0.14%
```

Run 4: Report of TCP BBR — Data Link

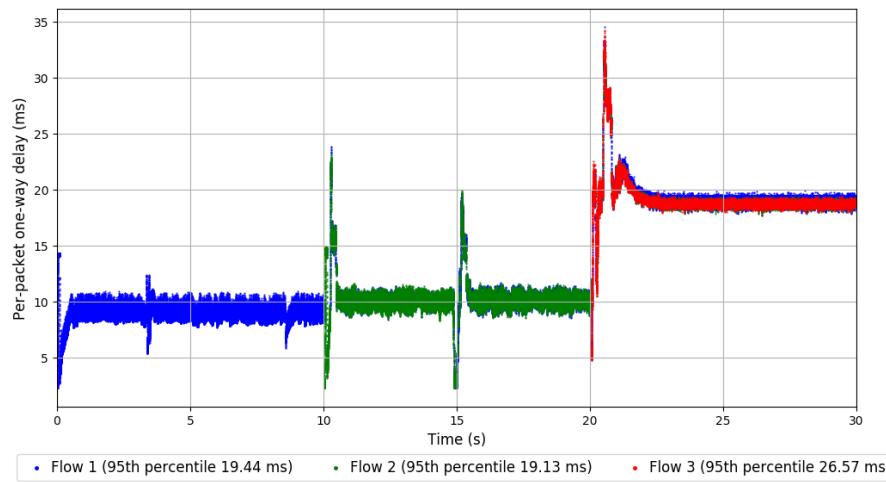
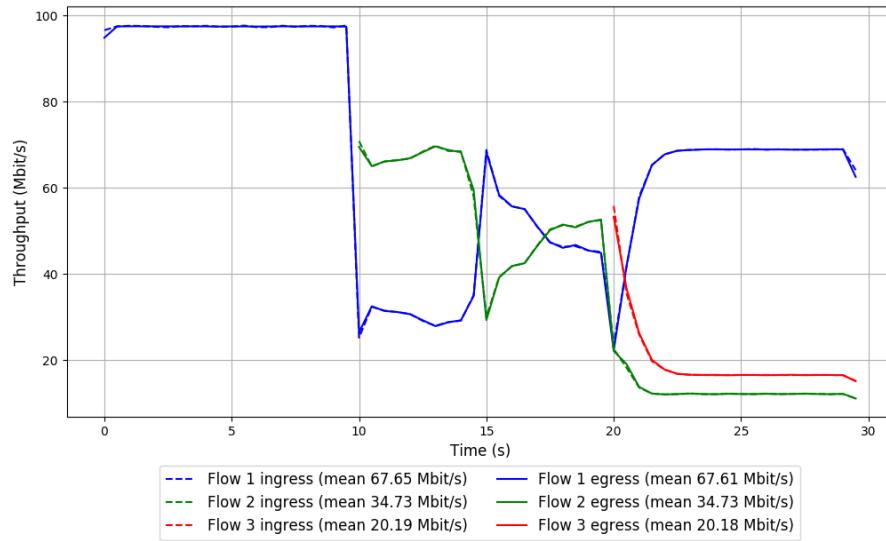


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-16 12:04:36
End at: 2018-02-16 12:05:06
Local clock offset: -6.73 ms
Remote clock offset: -5.15 ms

# Below is generated by plot.py at 2018-02-16 17:29:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 19.635 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 19.444 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 26.574 ms
Loss rate: 0.18%
```

Run 5: Report of TCP BBR — Data Link

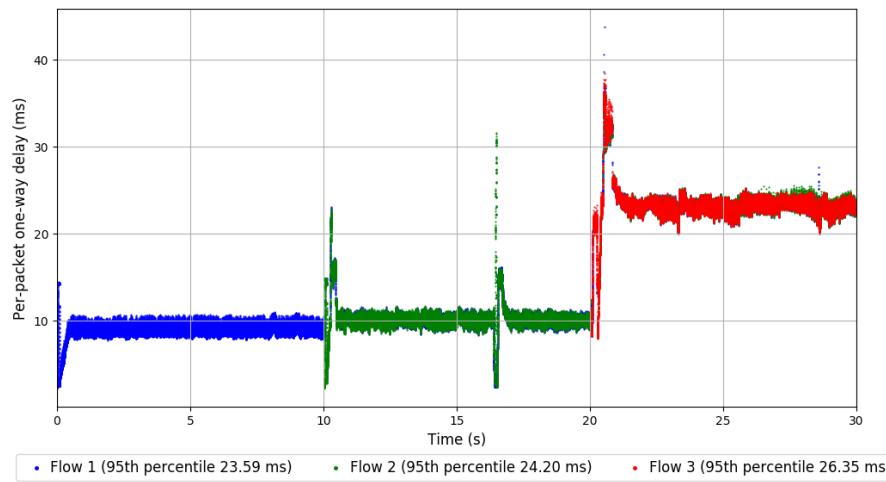
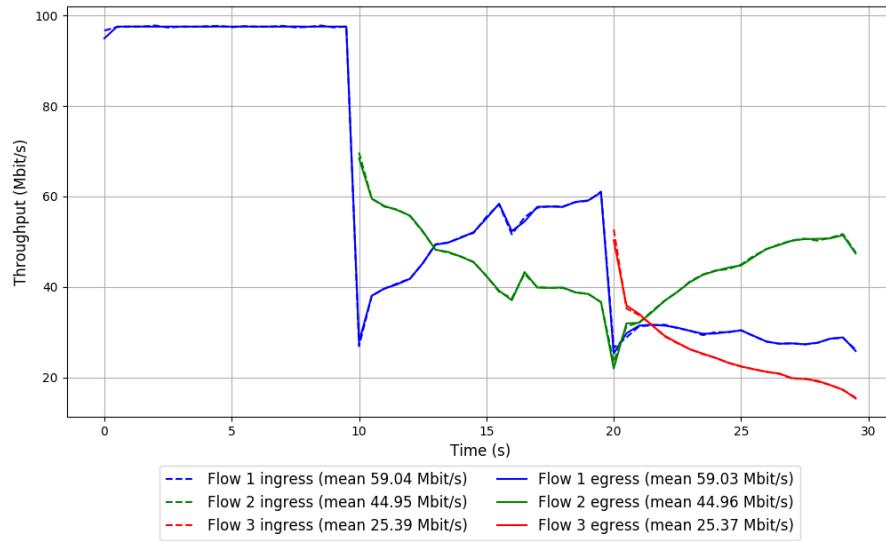


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-16 12:25:02
End at: 2018-02-16 12:25:32
Local clock offset: -6.815 ms
Remote clock offset: -5.272 ms

# Below is generated by plot.py at 2018-02-16 17:29:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 24.033 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 23.589 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 24.199 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 26.353 ms
Loss rate: 0.22%
```

Run 6: Report of TCP BBR — Data Link

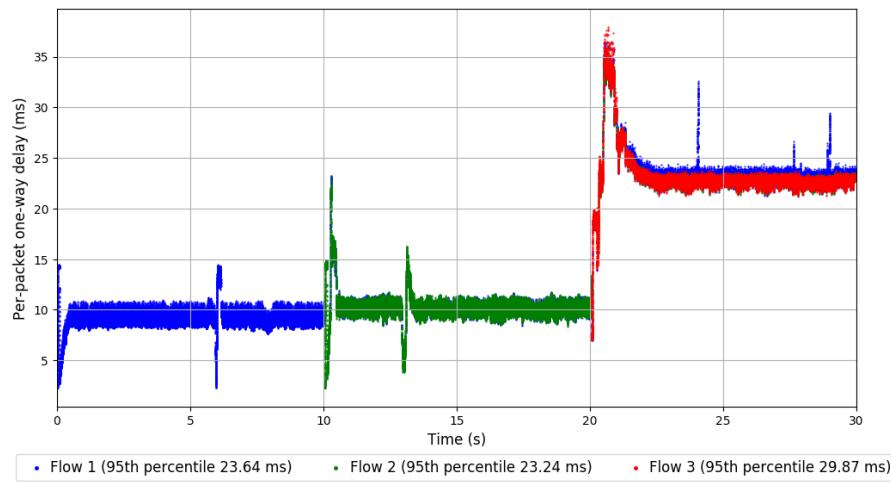
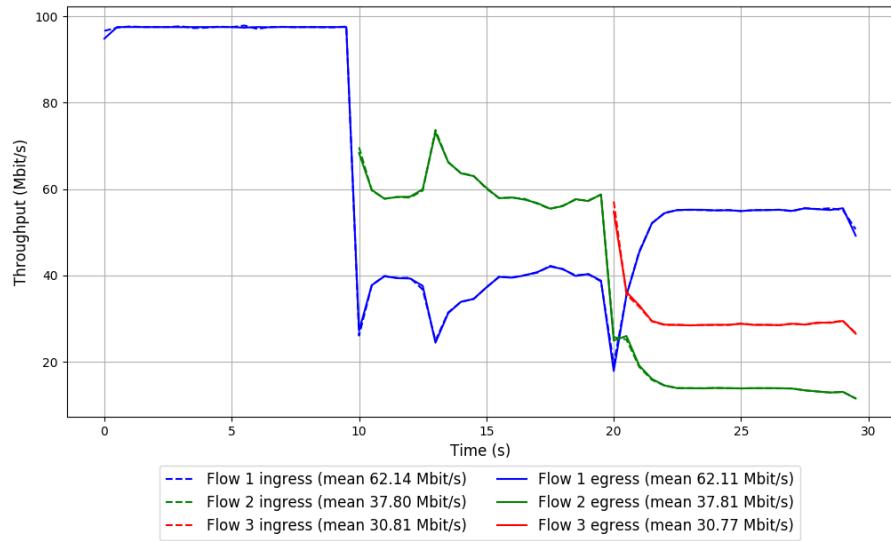


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-16 12:45:28
End at: 2018-02-16 12:45:58
Local clock offset: -7.271 ms
Remote clock offset: -5.302 ms

# Below is generated by plot.py at 2018-02-16 17:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 23.822 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 23.637 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 23.240 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 29.871 ms
Loss rate: 0.24%
```

Run 7: Report of TCP BBR — Data Link

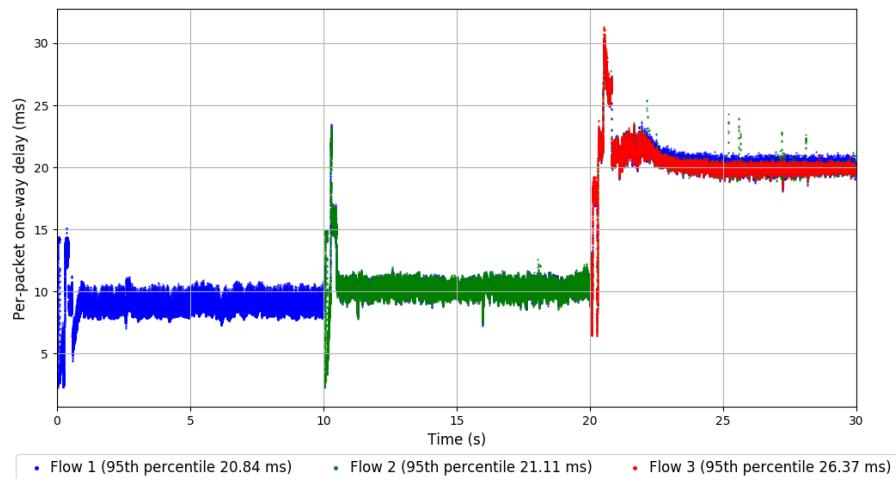
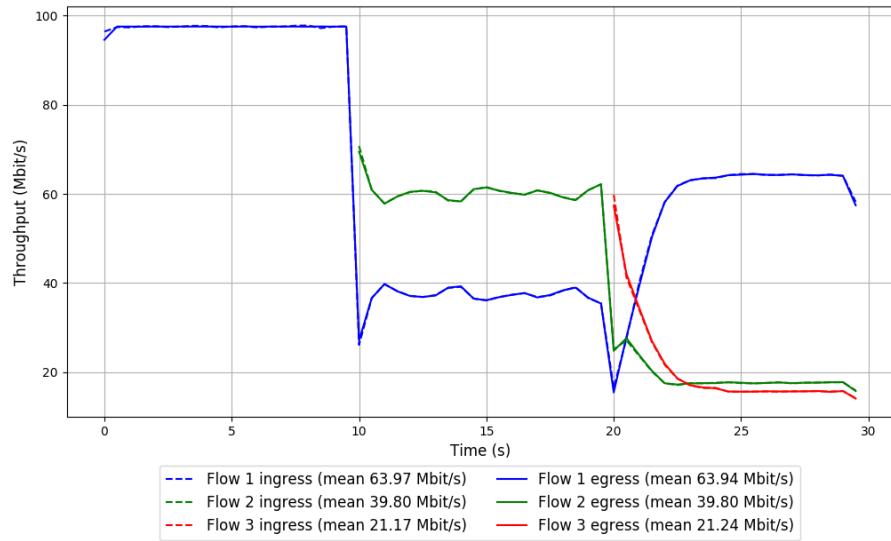


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-16 13:05:52
End at: 2018-02-16 13:06:22
Local clock offset: -7.584 ms
Remote clock offset: -5.701 ms

# Below is generated by plot.py at 2018-02-16 17:29:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 21.248 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.94 Mbit/s
95th percentile per-packet one-way delay: 20.836 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 21.106 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 26.369 ms
Loss rate: 0.18%
```

Run 8: Report of TCP BBR — Data Link

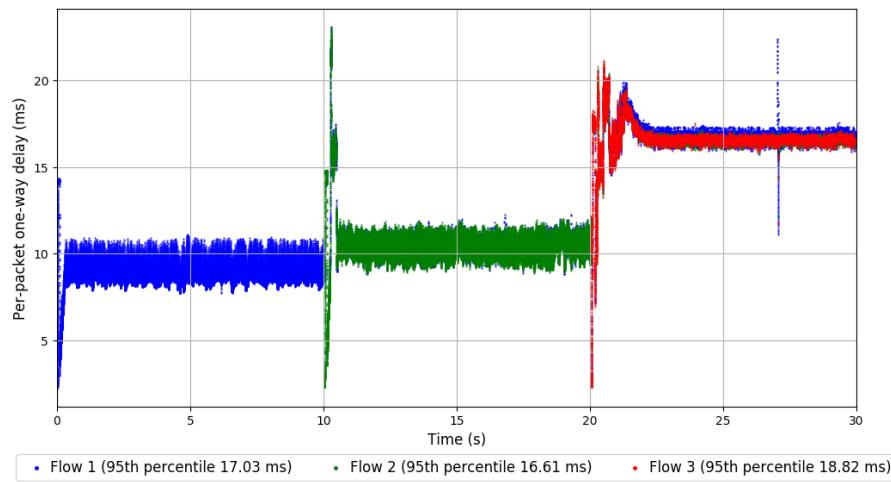
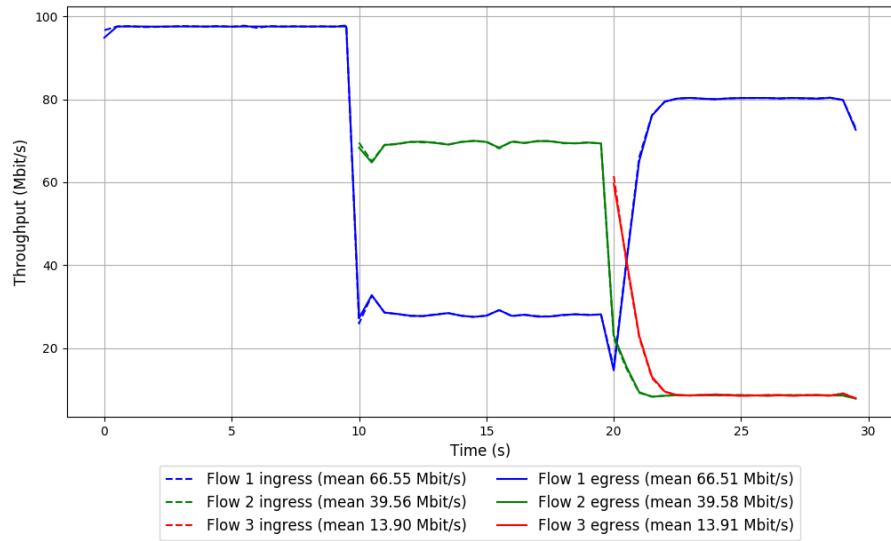


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-16 13:26:15
End at: 2018-02-16 13:26:45
Local clock offset: -7.121 ms
Remote clock offset: -5.704 ms

# Below is generated by plot.py at 2018-02-16 17:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 17.030 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.51 Mbit/s
95th percentile per-packet one-way delay: 17.028 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 16.614 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.12%
```

Run 9: Report of TCP BBR — Data Link

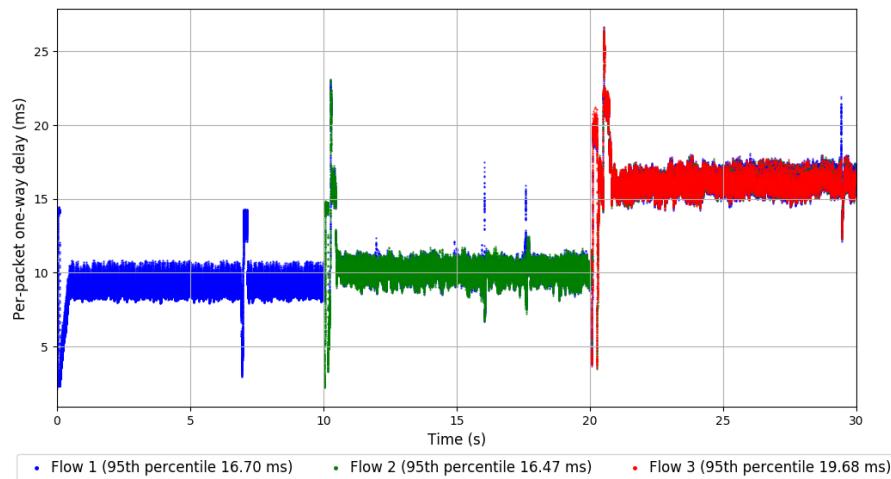
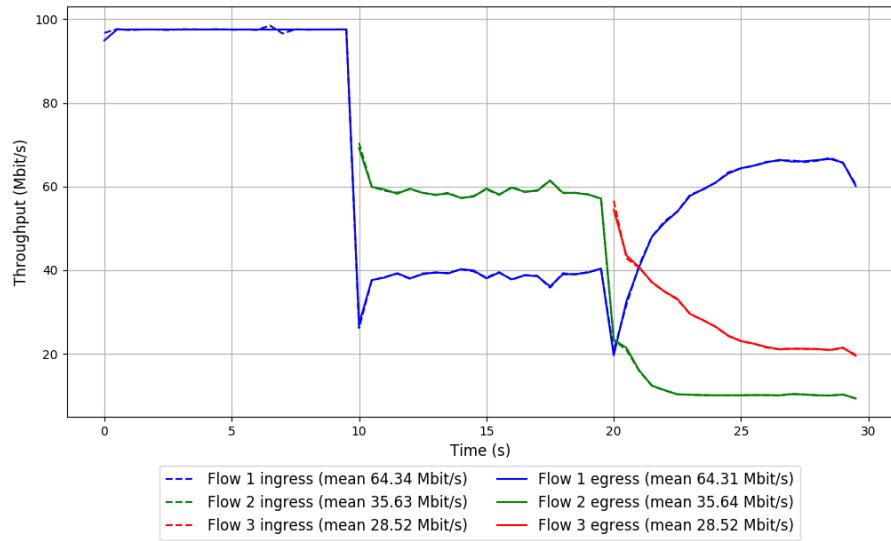


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-16 13:46:36
End at: 2018-02-16 13:47:06
Local clock offset: -5.95 ms
Remote clock offset: -5.489 ms

# Below is generated by plot.py at 2018-02-16 17:31:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 16.804 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 64.31 Mbit/s
95th percentile per-packet one-way delay: 16.701 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 16.466 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.52 Mbit/s
95th percentile per-packet one-way delay: 19.679 ms
Loss rate: 0.14%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 10:54:14

End at: 2018-02-16 10:54:44

Local clock offset: -6.874 ms

Remote clock offset: -4.342 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 11:14:40

End at: 2018-02-16 11:15:10

Local clock offset: -3.282 ms

Remote clock offset: -4.483 ms

Run 2: Report of TCP Cubic — Data Link

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Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 11:35:06

End at: 2018-02-16 11:35:36

Local clock offset: -5.546 ms

Remote clock offset: -4.763 ms

Run 3: Report of TCP Cubic — Data Link

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Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 11:55:32

End at: 2018-02-16 11:56:02

Local clock offset: -6.779 ms

Remote clock offset: -5.063 ms

Run 4: Report of TCP Cubic — Data Link

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Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 12:15:57

End at: 2018-02-16 12:16:27

Local clock offset: -6.778 ms

Remote clock offset: -5.212 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 12:36:23
End at: 2018-02-16 12:36:53
Local clock offset: -7.115 ms
Remote clock offset: -17.036 ms

Run 6: Report of TCP Cubic — Data Link

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Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 12:56:48

End at: 2018-02-16 12:57:18

Local clock offset: -7.432 ms

Remote clock offset: -5.562 ms

Run 7: Report of TCP Cubic — Data Link

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Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 13:17:10
End at: 2018-02-16 13:17:40
Local clock offset: -7.212 ms
Remote clock offset: -25.022 ms

Run 8: Report of TCP Cubic — Data Link

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Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 13:37:31

End at: 2018-02-16 13:38:01

Local clock offset: -7.123 ms

Remote clock offset: -5.54 ms

Run 9: Report of TCP Cubic — Data Link

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Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 13:57:55

End at: 2018-02-16 13:58:25

Local clock offset: -4.891 ms

Remote clock offset: -5.584 ms

Run 10: Report of TCP Cubic — Data Link

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Run 1: Statistics of LEDBAT

Start at: 2018-02-16 10:45:05
End at: 2018-02-16 10:45:35
Local clock offset: -8.913 ms
Remote clock offset: -4.527 ms

Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2018-02-16 11:05:32
End at: 2018-02-16 11:06:02
Local clock offset: -4.326 ms
Remote clock offset: -4.163 ms

Run 2: Report of LEDBAT — Data Link

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Run 3: Statistics of LEDBAT

Start at: 2018-02-16 11:25:58
End at: 2018-02-16 11:26:28
Local clock offset: -3.39 ms
Remote clock offset: -4.679 ms

Run 3: Report of LEDBAT — Data Link

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Run 4: Statistics of LEDBAT

Start at: 2018-02-16 11:46:24
End at: 2018-02-16 11:46:54
Local clock offset: -6.454 ms
Remote clock offset: -4.87 ms

Run 4: Report of LEDBAT — Data Link

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Run 5: Statistics of LEDBAT

Start at: 2018-02-16 12:06:49
End at: 2018-02-16 12:07:19
Local clock offset: -6.764 ms
Remote clock offset: -5.169 ms

Run 5: Report of LEDBAT — Data Link

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Run 6: Statistics of LEDBAT

Start at: 2018-02-16 12:27:14
End at: 2018-02-16 12:27:44
Local clock offset: -6.918 ms
Remote clock offset: -5.288 ms

Run 6: Report of LEDBAT — Data Link

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Run 7: Statistics of LEDBAT

Start at: 2018-02-16 12:47:40
End at: 2018-02-16 12:48:10
Local clock offset: -7.293 ms
Remote clock offset: -22.185 ms

Run 7: Report of LEDBAT — Data Link

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Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-02-16 13:08:04

End at: 2018-02-16 13:08:34

Local clock offset: -7.483 ms

Remote clock offset: -5.749 ms

Run 8: Report of LEDBAT — Data Link

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Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-16 13:28:28
End at: 2018-02-16 13:28:58
Local clock offset: -7.134 ms
Remote clock offset: -5.629 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

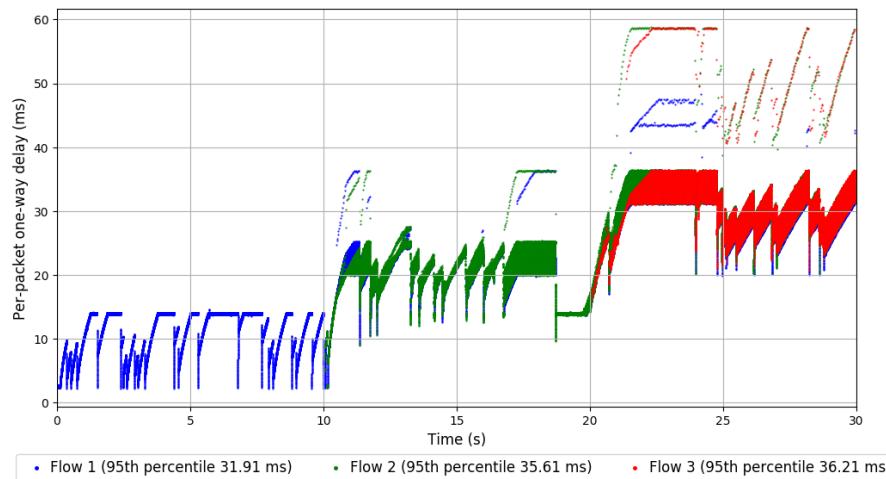
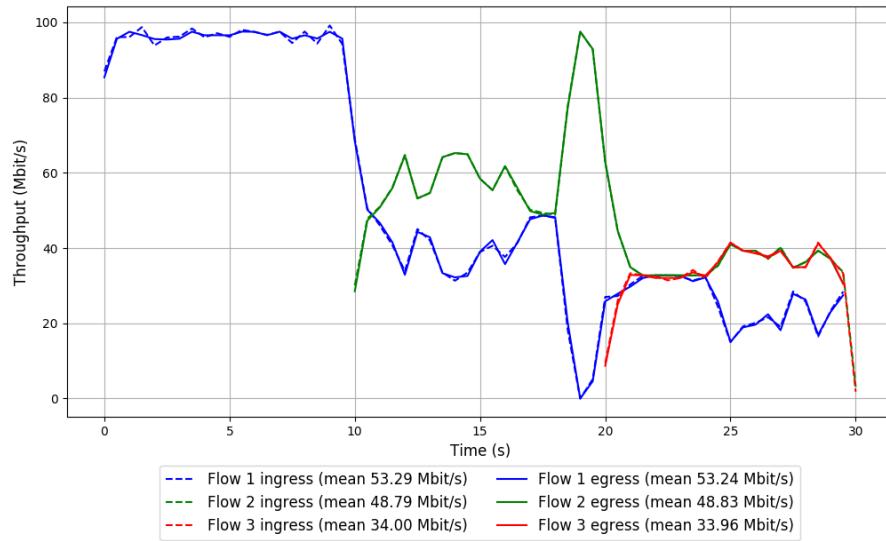
Figure is missing

Run 10: Statistics of LEDBAT

```
Start at: 2018-02-16 13:48:48
End at: 2018-02-16 13:49:18
Local clock offset: -5.655 ms
Remote clock offset: -5.507 ms

# Below is generated by plot.py at 2018-02-16 17:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 34.554 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 35.614 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 36.208 ms
Loss rate: 0.99%
```

Run 10: Report of LEDBAT — Data Link

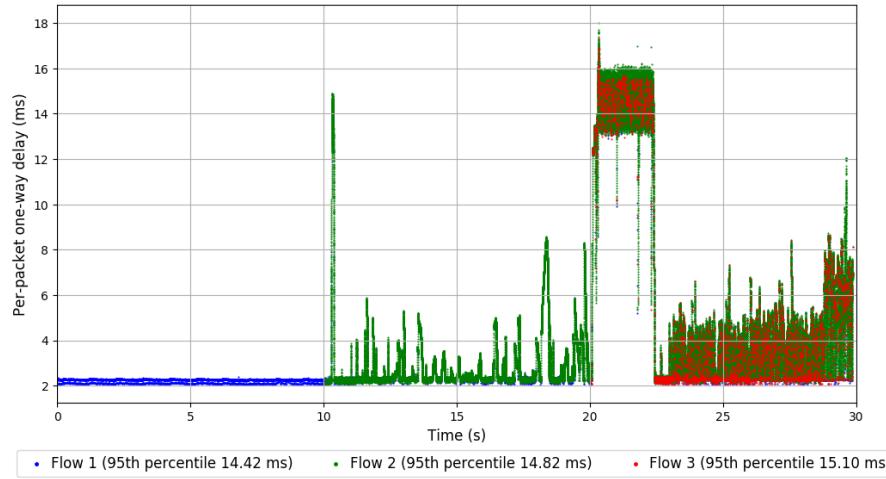
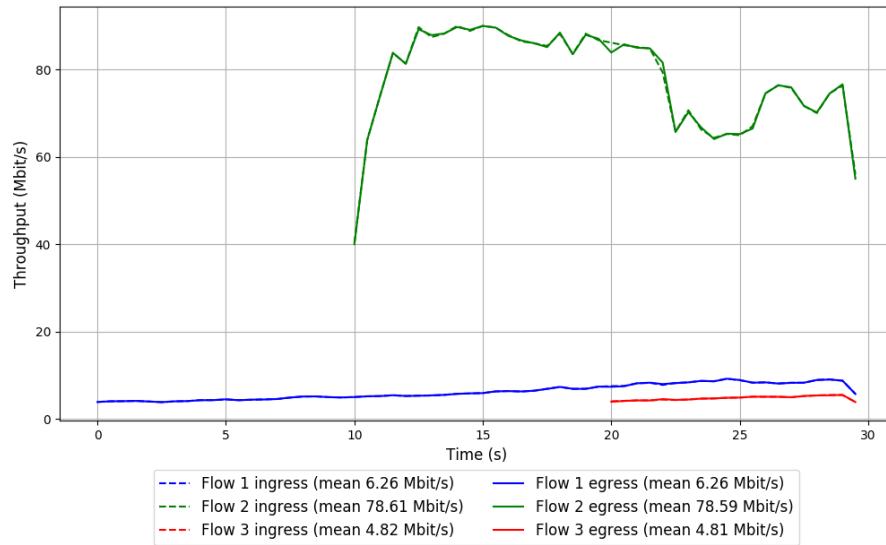


Run 1: Statistics of PCC

```
Start at: 2018-02-16 10:37:11
End at: 2018-02-16 10:37:41
Local clock offset: -8.784 ms
Remote clock offset: -4.547 ms

# Below is generated by plot.py at 2018-02-16 17:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 14.798 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 14.421 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 14.821 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 15.103 ms
Loss rate: 0.08%
```

Run 1: Report of PCC — Data Link

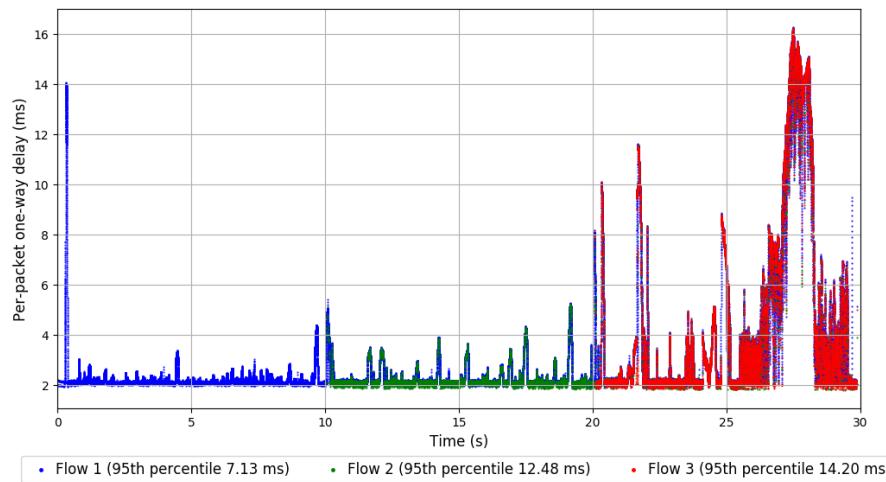
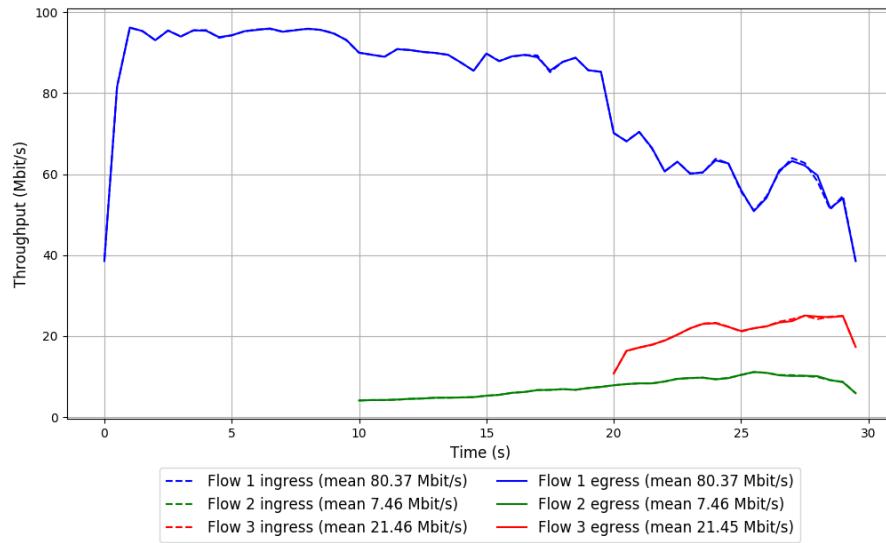


Run 2: Statistics of PCC

```
Start at: 2018-02-16 10:57:37
End at: 2018-02-16 10:58:07
Local clock offset: -5.918 ms
Remote clock offset: -4.288 ms

# Below is generated by plot.py at 2018-02-16 17:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 8.430 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.37 Mbit/s
95th percentile per-packet one-way delay: 7.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 12.485 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 14.199 ms
Loss rate: 0.05%
```

Run 2: Report of PCC — Data Link

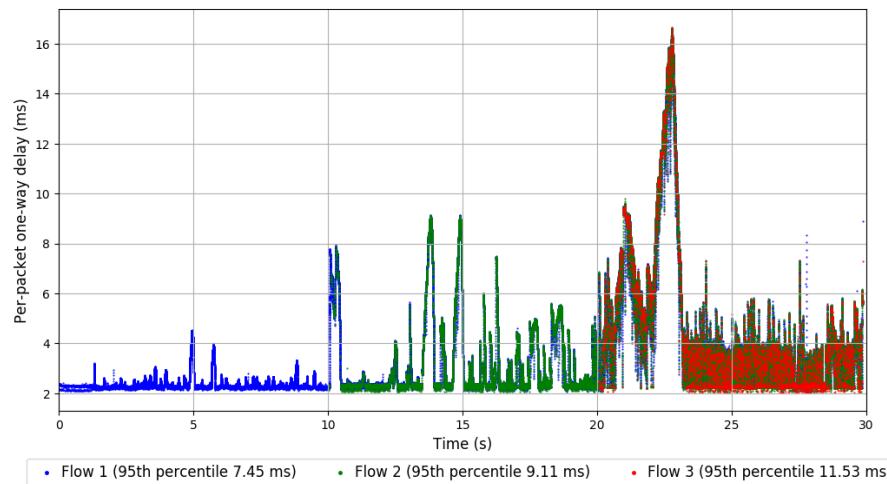
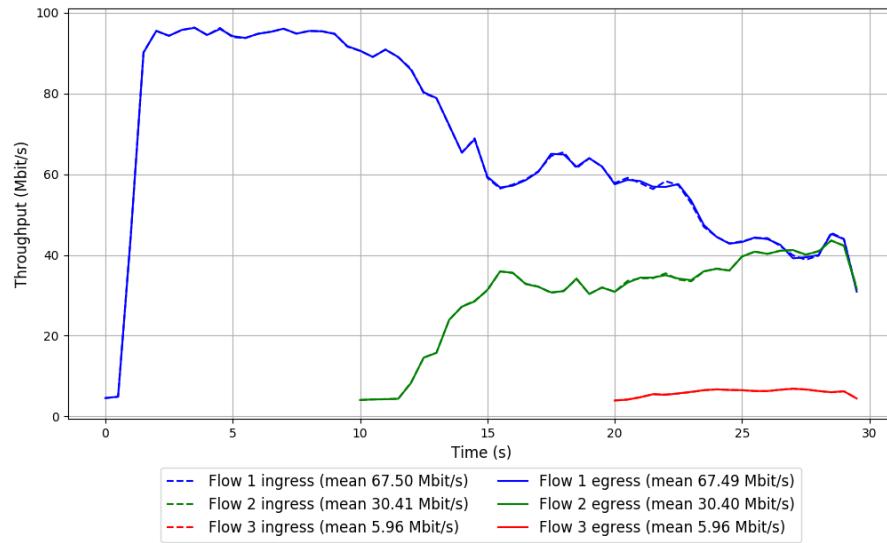


Run 3: Statistics of PCC

```
Start at: 2018-02-16 11:18:03
End at: 2018-02-16 11:18:33
Local clock offset: -3.067 ms
Remote clock offset: -4.572 ms

# Below is generated by plot.py at 2018-02-16 17:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 8.015 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.49 Mbit/s
95th percentile per-packet one-way delay: 7.452 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 9.105 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 11.525 ms
Loss rate: 0.06%
```

Run 3: Report of PCC — Data Link

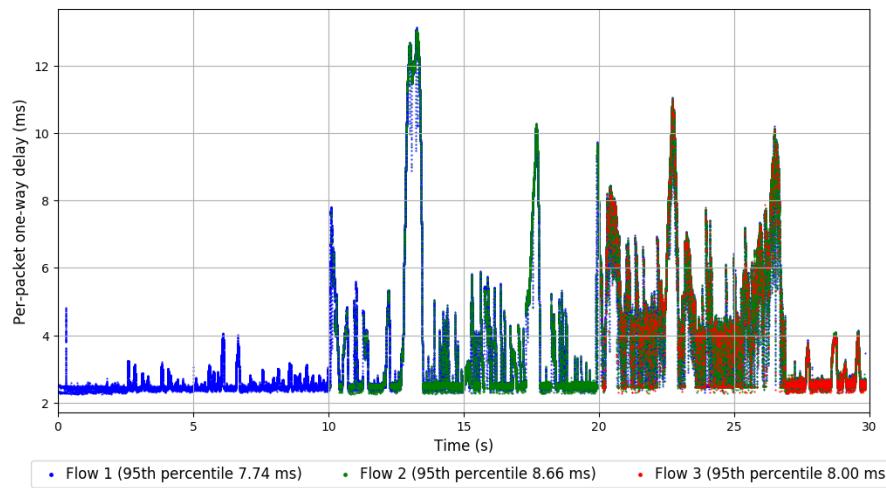
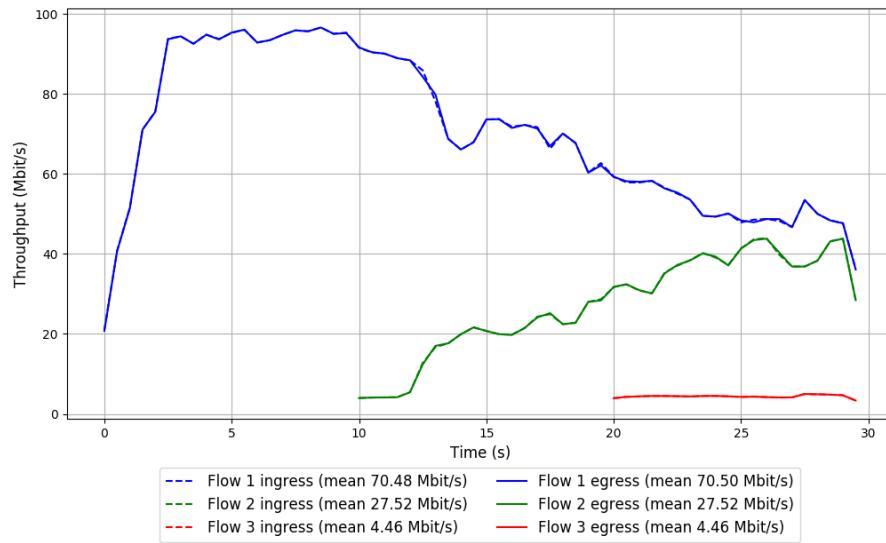


Run 4: Statistics of PCC

```
Start at: 2018-02-16 11:38:29
End at: 2018-02-16 11:38:59
Local clock offset: -5.922 ms
Remote clock offset: -4.766 ms

# Below is generated by plot.py at 2018-02-16 17:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 8.008 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 7.737 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 8.660 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 8.000 ms
Loss rate: 0.05%
```

Run 4: Report of PCC — Data Link

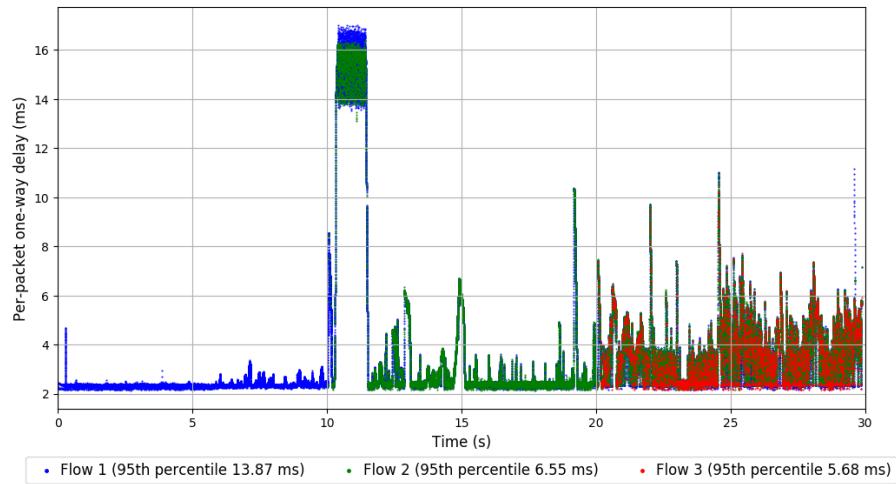
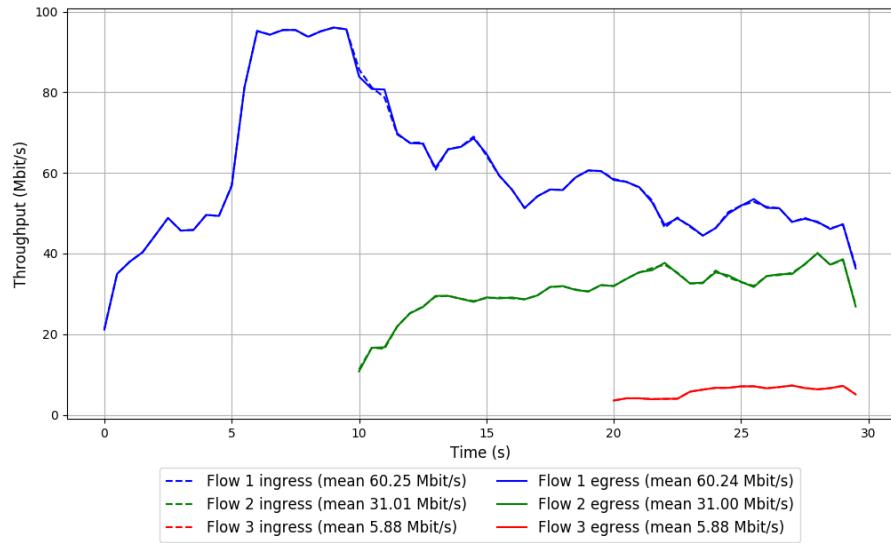


Run 5: Statistics of PCC

```
Start at: 2018-02-16 11:58:54
End at: 2018-02-16 11:59:24
Local clock offset: -6.796 ms
Remote clock offset: -5.176 ms

# Below is generated by plot.py at 2018-02-16 17:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 8.411 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: 13.865 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 6.553 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 5.685 ms
Loss rate: 0.06%
```

Run 5: Report of PCC — Data Link

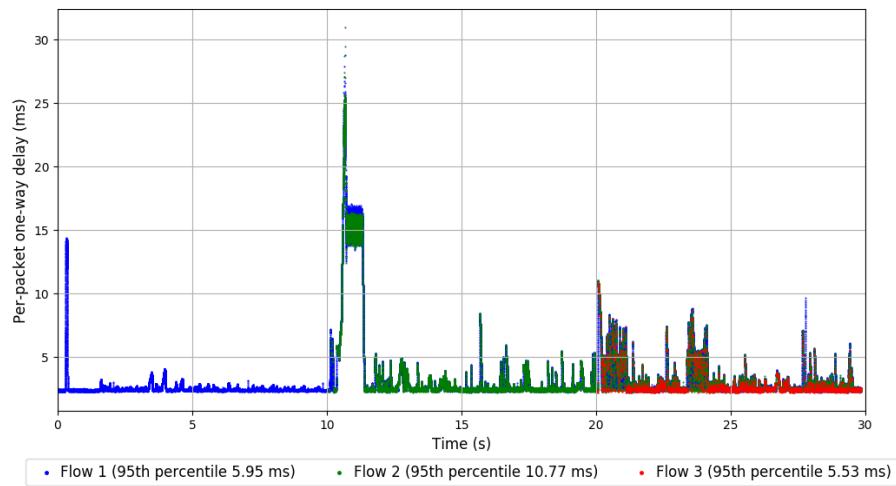
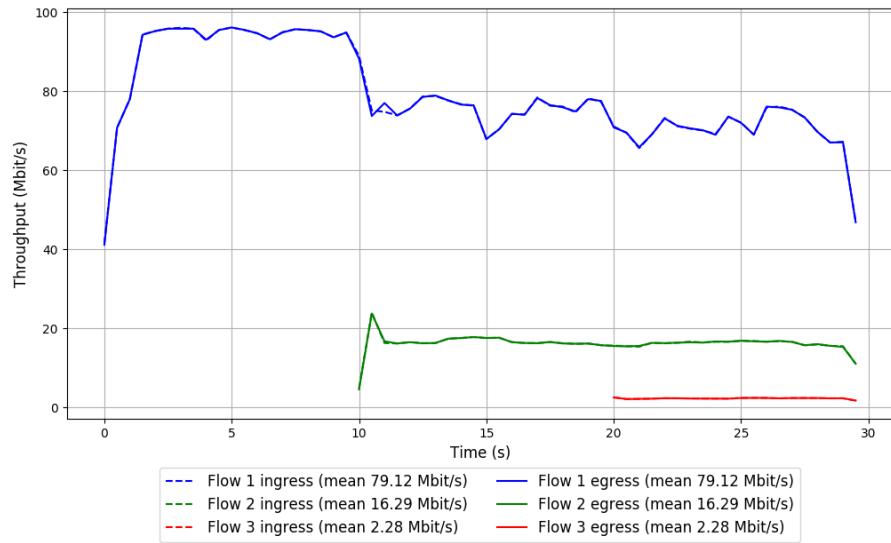


Run 6: Statistics of PCC

```
Start at: 2018-02-16 12:19:20
End at: 2018-02-16 12:19:50
Local clock offset: -6.809 ms
Remote clock offset: -5.299 ms

# Below is generated by plot.py at 2018-02-16 17:31:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.68 Mbit/s
95th percentile per-packet one-way delay: 6.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 5.953 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 10.774 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 5.532 ms
Loss rate: 0.05%
```

Run 6: Report of PCC — Data Link

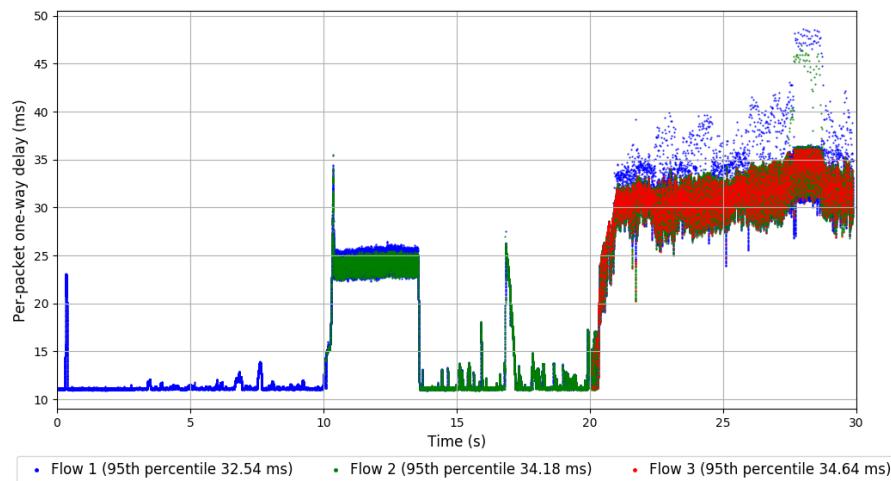
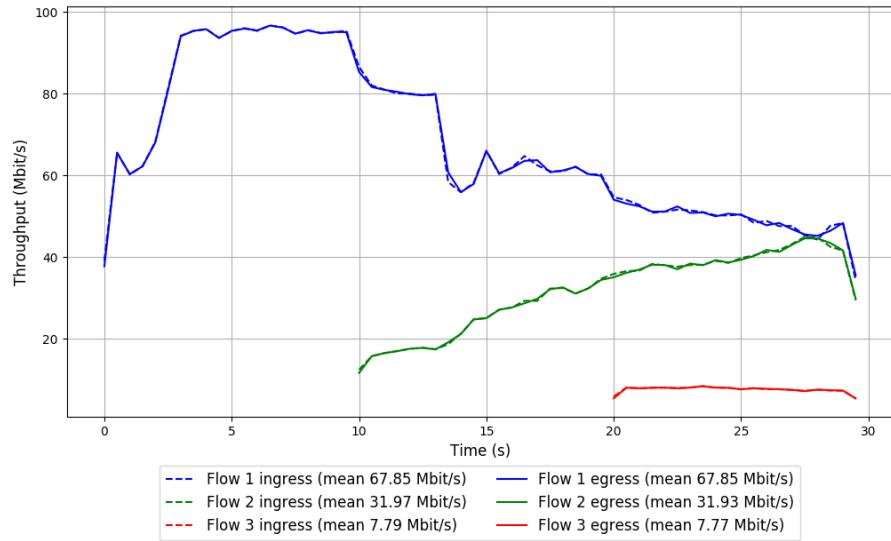


Run 7: Statistics of PCC

```
Start at: 2018-02-16 12:39:45
End at: 2018-02-16 12:40:15
Local clock offset: -7.123 ms
Remote clock offset: -14.06 ms

# Below is generated by plot.py at 2018-02-16 17:32:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 32.542 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 34.184 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 34.641 ms
Loss rate: 0.27%
```

Run 7: Report of PCC — Data Link

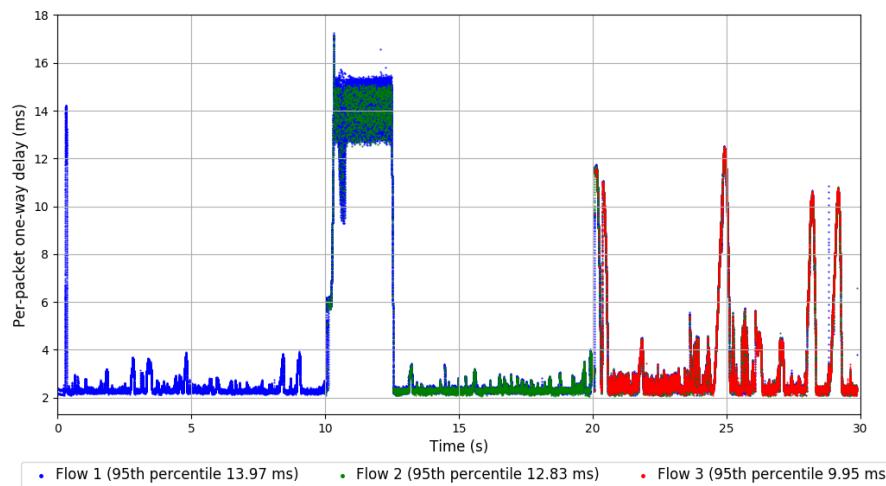
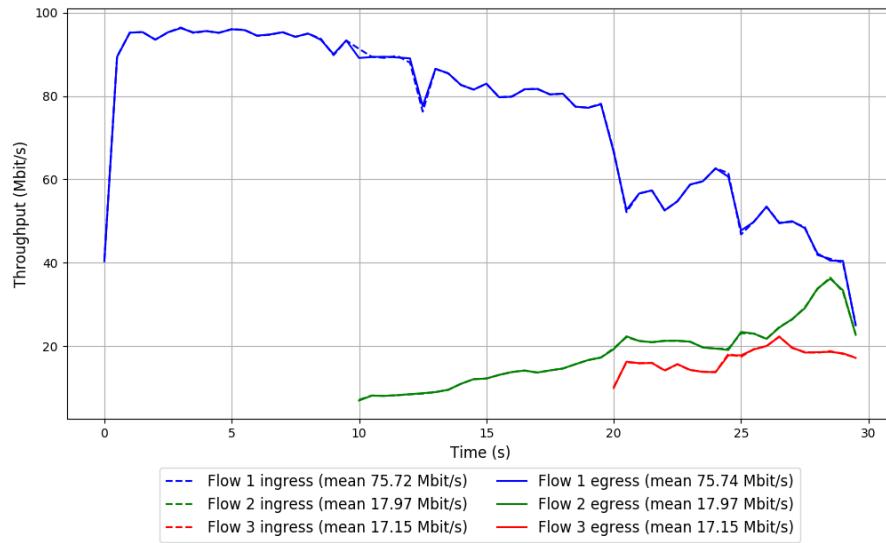


Run 8: Statistics of PCC

```
Start at: 2018-02-16 13:00:11
End at: 2018-02-16 13:00:41
Local clock offset: -7.574 ms
Remote clock offset: -5.626 ms

# Below is generated by plot.py at 2018-02-16 17:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 13.760 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 13.970 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 12.832 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 9.949 ms
Loss rate: 0.06%
```

Run 8: Report of PCC — Data Link

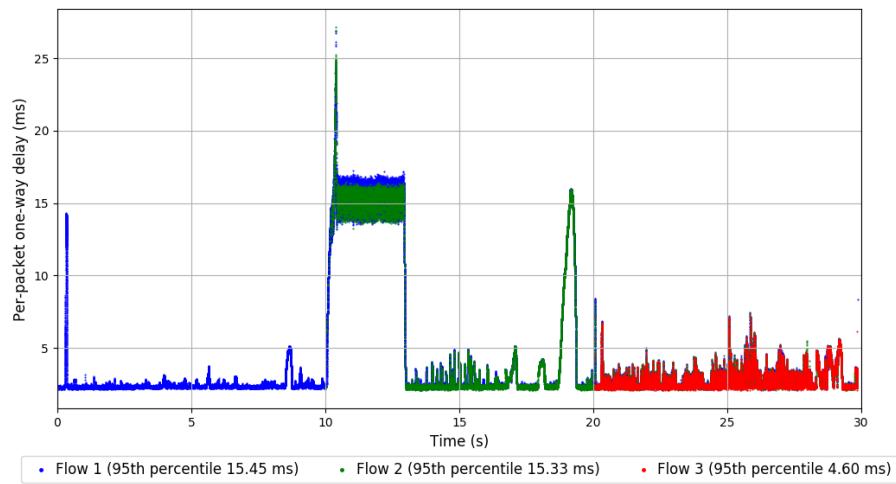
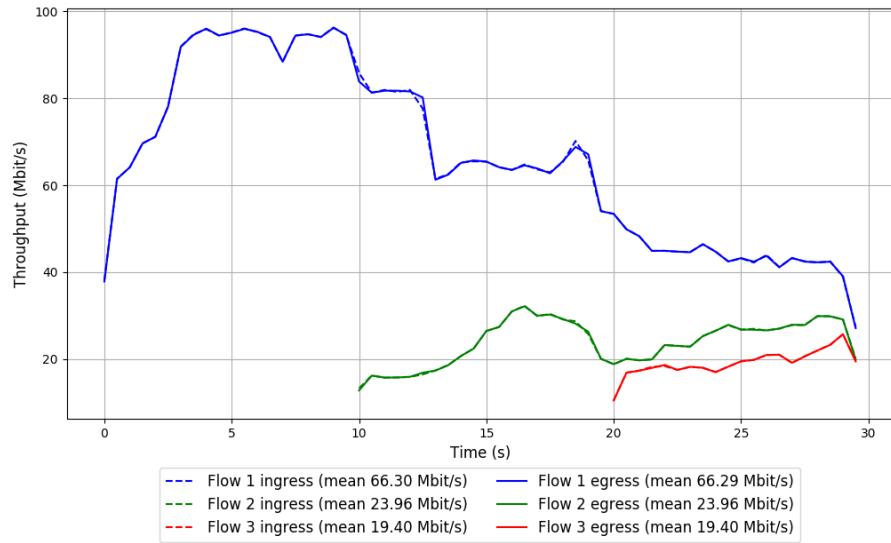


Run 9: Statistics of PCC

```
Start at: 2018-02-16 13:20:32
End at: 2018-02-16 13:21:02
Local clock offset: -7.155 ms
Remote clock offset: -5.816 ms

# Below is generated by plot.py at 2018-02-16 17:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 15.348 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.29 Mbit/s
95th percentile per-packet one-way delay: 15.452 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 15.327 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 4.596 ms
Loss rate: 0.08%
```

Run 9: Report of PCC — Data Link

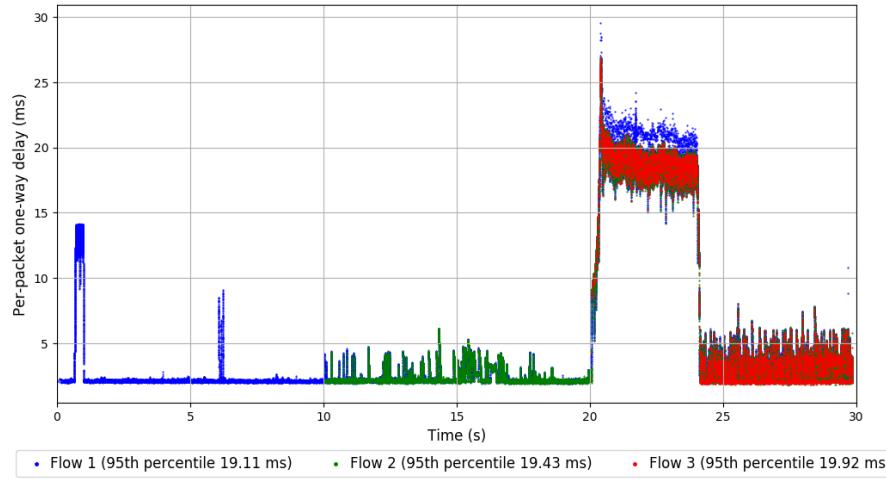
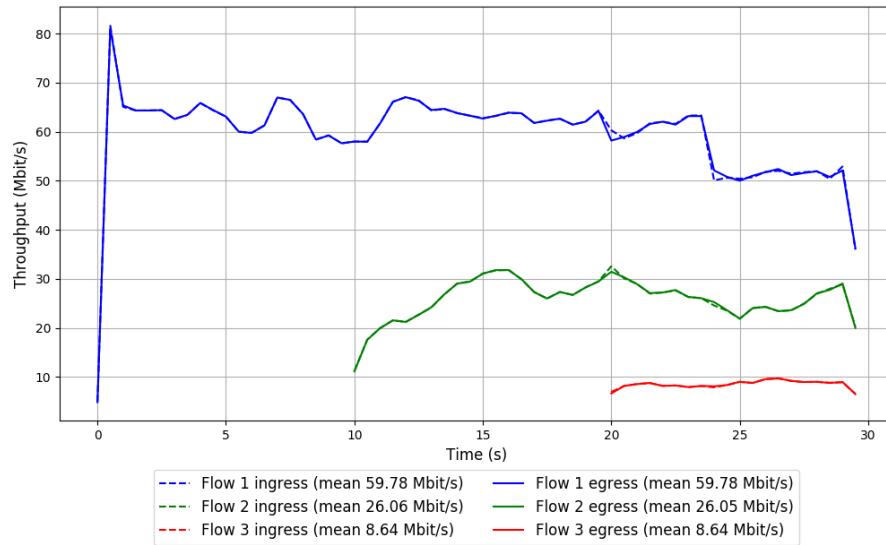


Run 10: Statistics of PCC

```
Start at: 2018-02-16 13:40:54
End at: 2018-02-16 13:41:24
Local clock offset: -7.18 ms
Remote clock offset: -5.463 ms

# Below is generated by plot.py at 2018-02-16 17:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.78 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 19.918 ms
Loss rate: 0.06%
```

Run 10: Report of PCC — Data Link

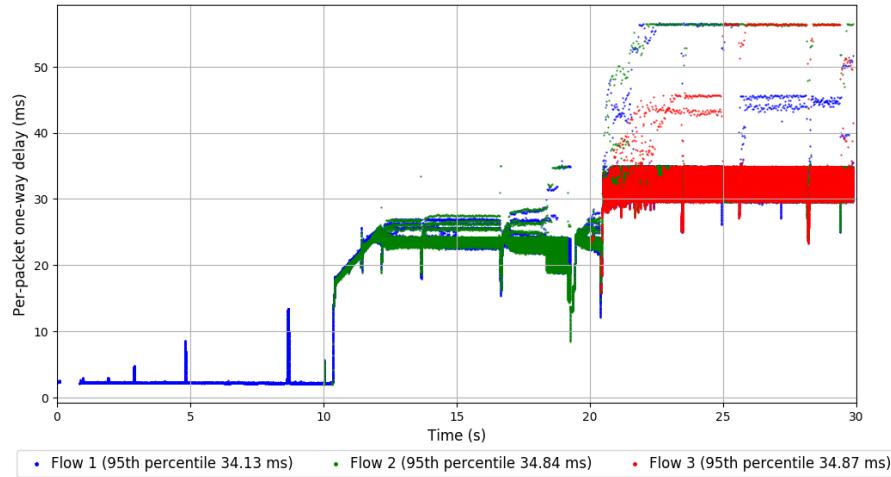
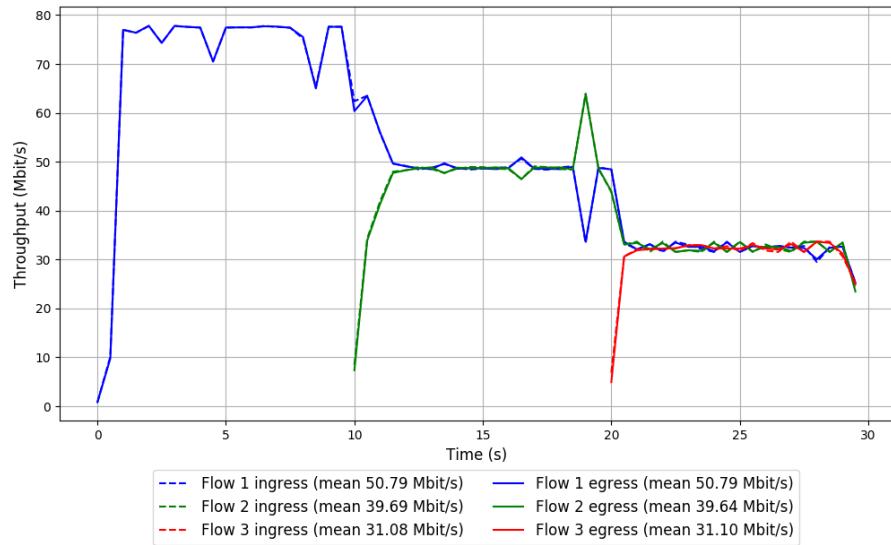


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2018-02-16 10:49:43
End at: 2018-02-16 10:50:13
Local clock offset: -8.976 ms
Remote clock offset: -4.391 ms

# Below is generated by plot.py at 2018-02-16 17:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 34.802 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 34.133 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 34.843 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 34.870 ms
Loss rate: 0.35%
```

Run 1: Report of QUIC Cubic — Data Link

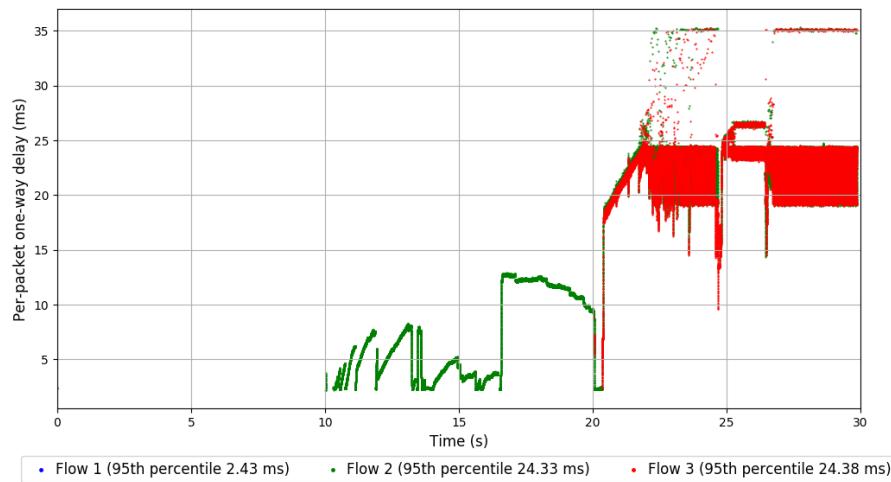
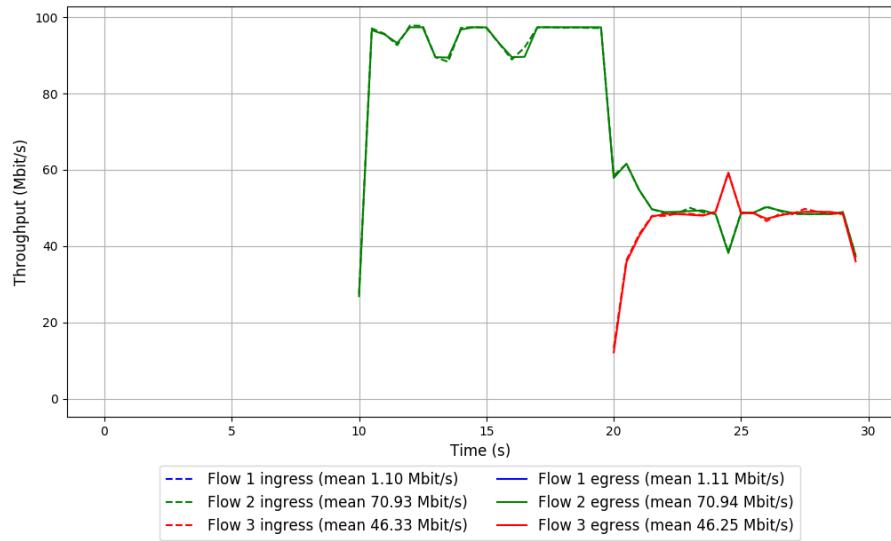


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-16 11:10:10
End at: 2018-02-16 11:10:40
Local clock offset: -3.698 ms
Remote clock offset: -4.355 ms

# Below is generated by plot.py at 2018-02-16 17:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.43 Mbit/s
95th percentile per-packet one-way delay: 24.349 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.25 Mbit/s
95th percentile per-packet one-way delay: 24.376 ms
Loss rate: 0.29%
```

Run 2: Report of QUIC Cubic — Data Link

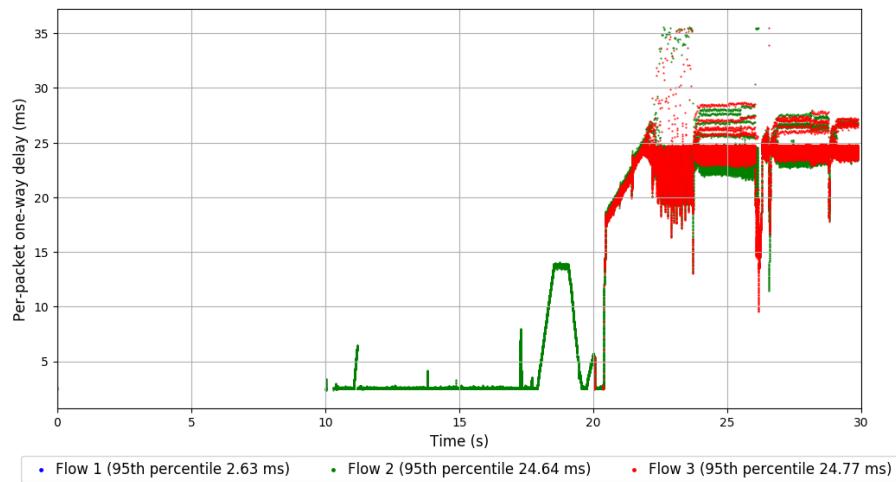
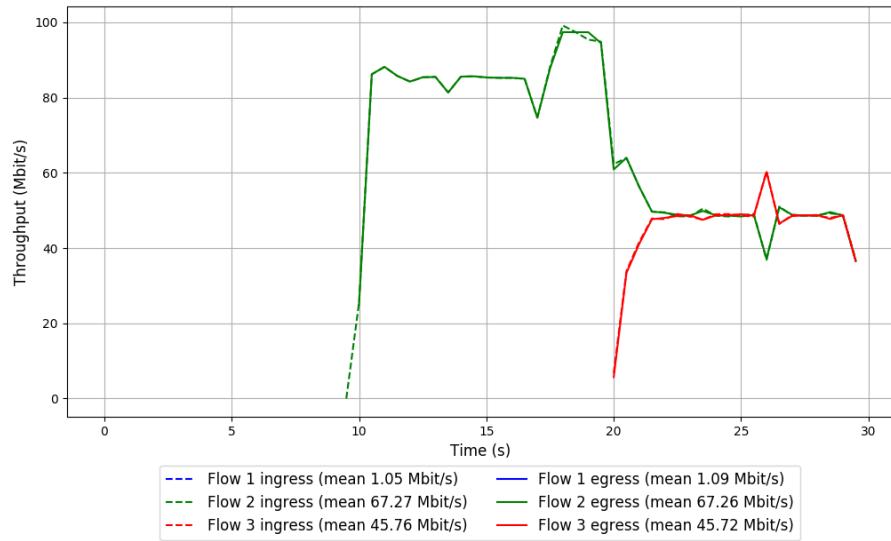


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-02-16 11:30:35
End at: 2018-02-16 11:31:05
Local clock offset: -4.753 ms
Remote clock offset: -4.771 ms

# Below is generated by plot.py at 2018-02-16 17:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 2.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: 24.642 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.72 Mbit/s
95th percentile per-packet one-way delay: 24.768 ms
Loss rate: 0.29%
```

Run 3: Report of QUIC Cubic — Data Link

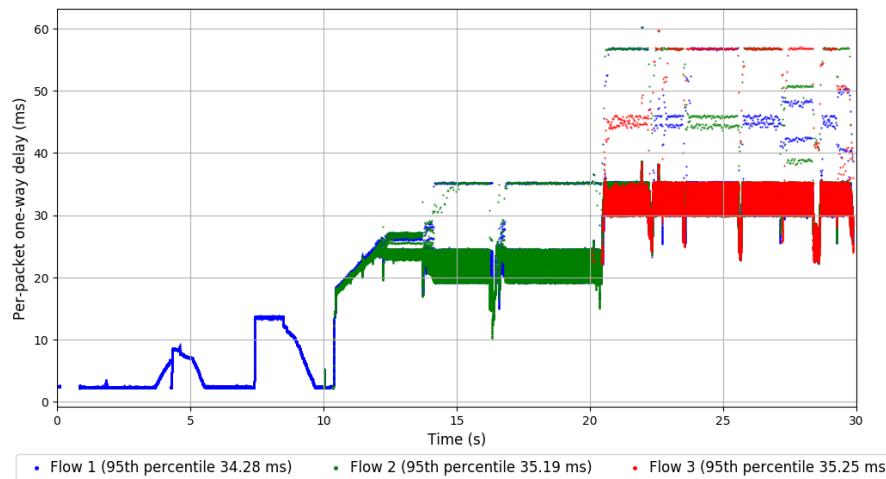
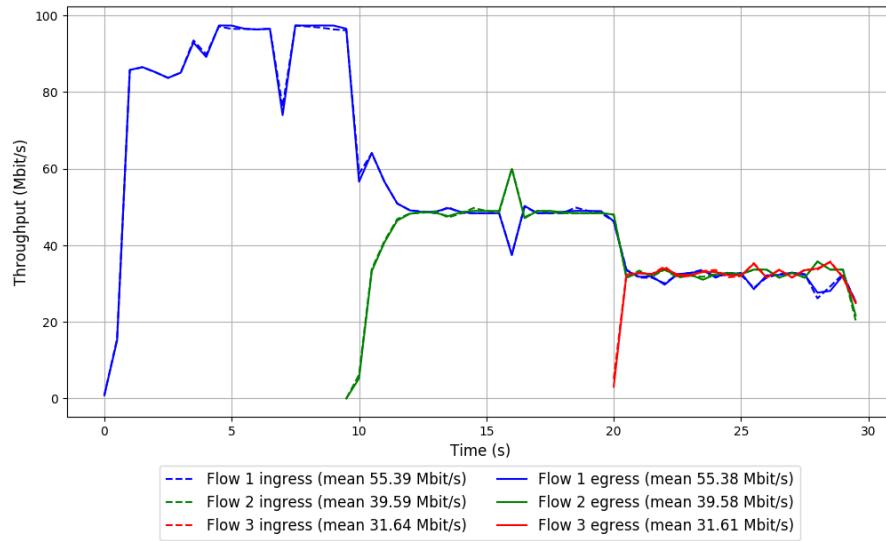


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-16 11:51:02
End at: 2018-02-16 11:51:32
Local clock offset: -6.607 ms
Remote clock offset: -5.012 ms

# Below is generated by plot.py at 2018-02-16 17:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 35.160 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 34.281 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 35.193 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 35.246 ms
Loss rate: 0.44%
```

Run 4: Report of QUIC Cubic — Data Link

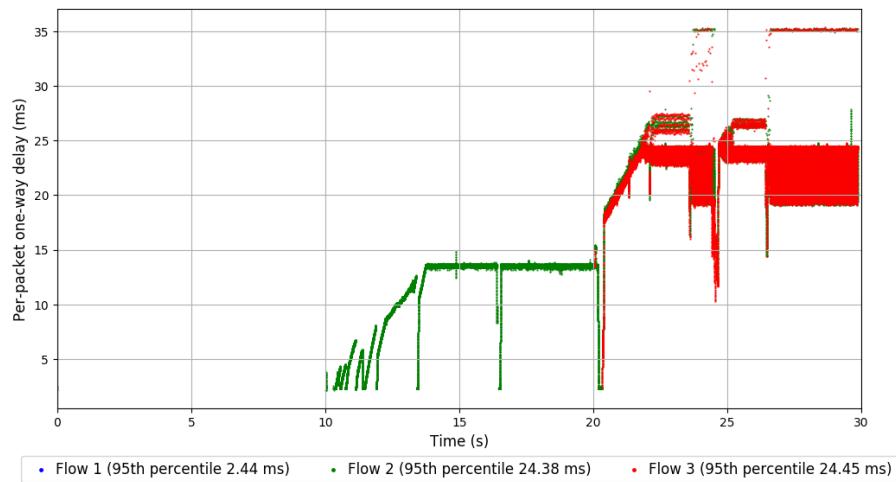
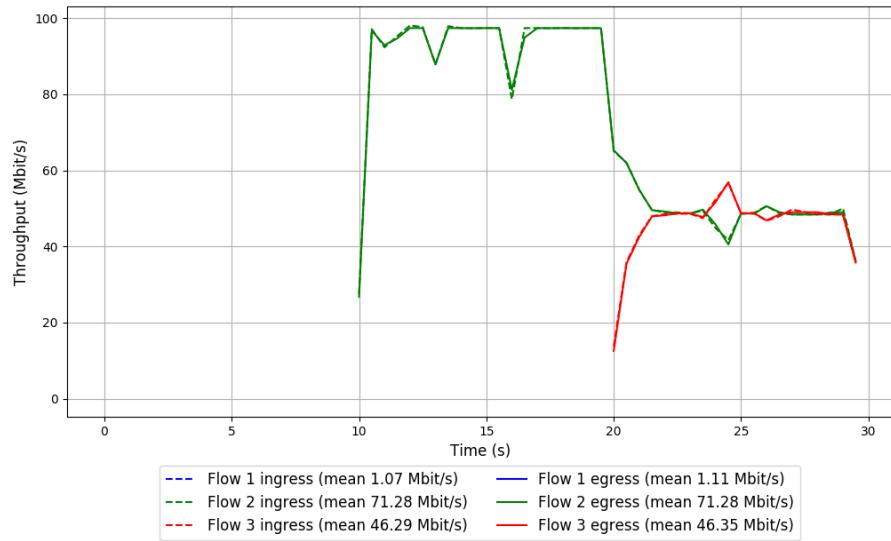


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-16 12:11:27
End at: 2018-02-16 12:11:57
Local clock offset: -6.768 ms
Remote clock offset: -5.185 ms

# Below is generated by plot.py at 2018-02-16 17:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 24.410 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.28 Mbit/s
95th percentile per-packet one-way delay: 24.383 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 24.448 ms
Loss rate: 0.24%
```

Run 5: Report of QUIC Cubic — Data Link

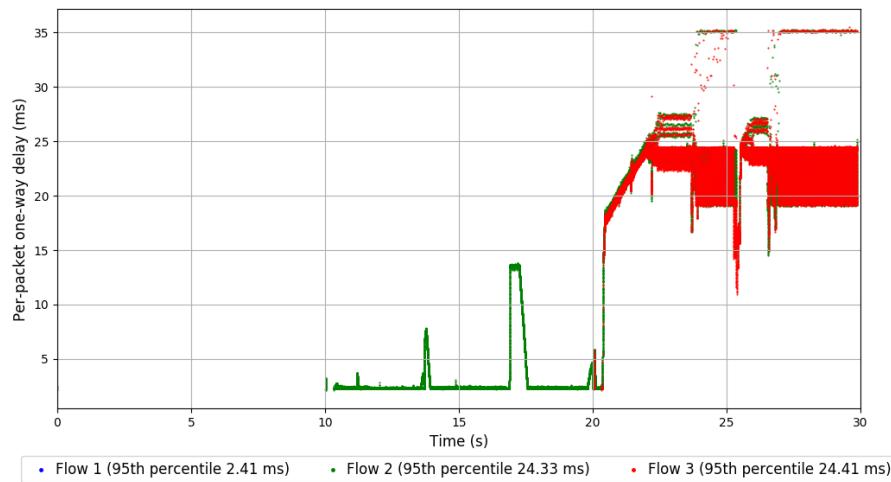
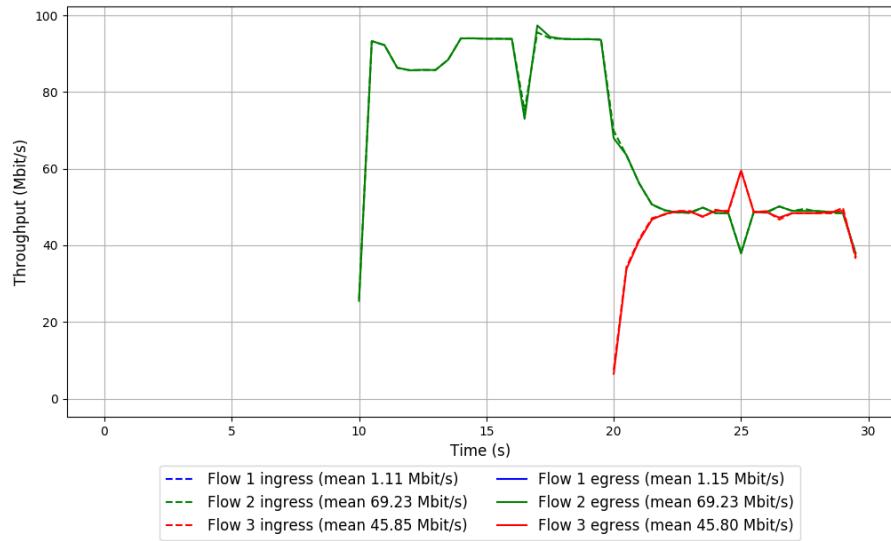


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-16 12:31:53
End at: 2018-02-16 12:32:23
Local clock offset: -6.943 ms
Remote clock offset: -5.309 ms

# Below is generated by plot.py at 2018-02-16 17:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 24.367 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.23 Mbit/s
95th percentile per-packet one-way delay: 24.332 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 24.411 ms
Loss rate: 0.21%
```

Run 6: Report of QUIC Cubic — Data Link

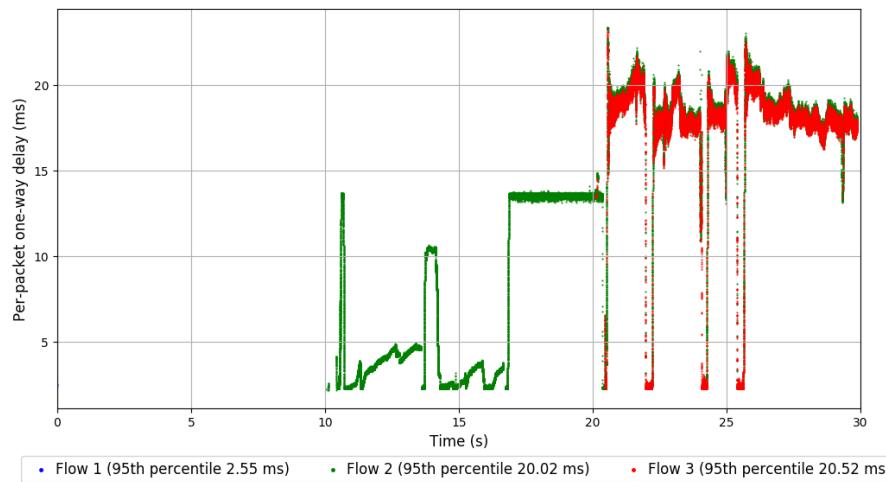
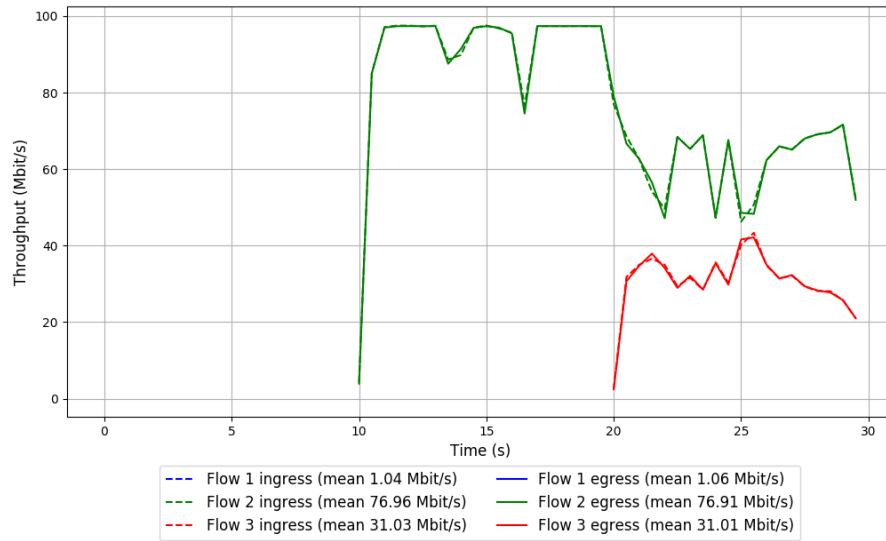


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-16 12:52:18
End at: 2018-02-16 12:52:48
Local clock offset: -7.383 ms
Remote clock offset: -5.41 ms

# Below is generated by plot.py at 2018-02-16 17:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 20.195 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 2.554 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 20.018 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 20.519 ms
Loss rate: 0.21%
```

Run 7: Report of QUIC Cubic — Data Link

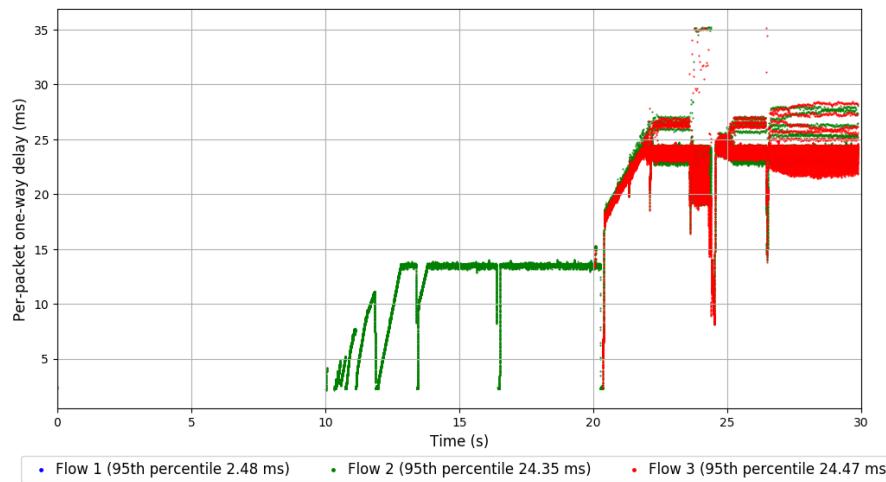
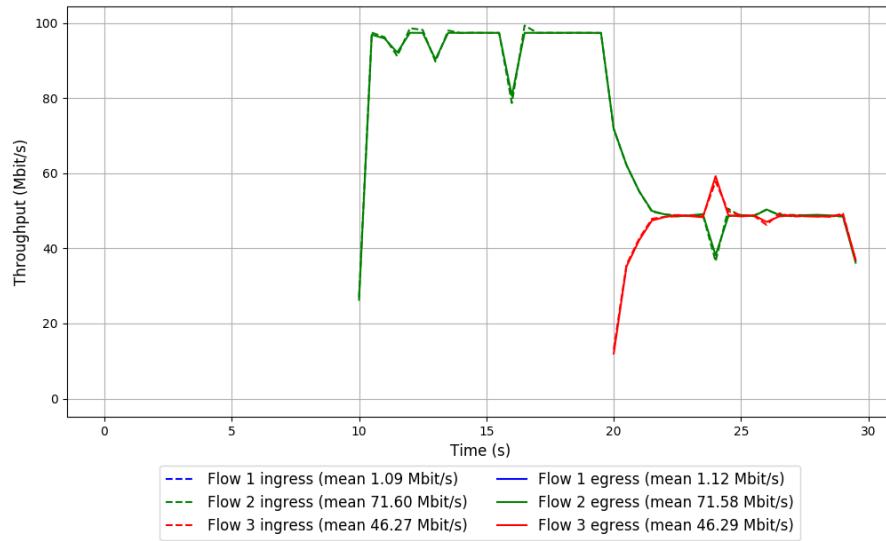


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-16 13:12:42
End at: 2018-02-16 13:13:12
Local clock offset: -7.316 ms
Remote clock offset: -5.772 ms

# Below is generated by plot.py at 2018-02-16 17:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 24.374 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.478 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 24.354 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 24.469 ms
Loss rate: 0.26%
```

Run 8: Report of QUIC Cubic — Data Link

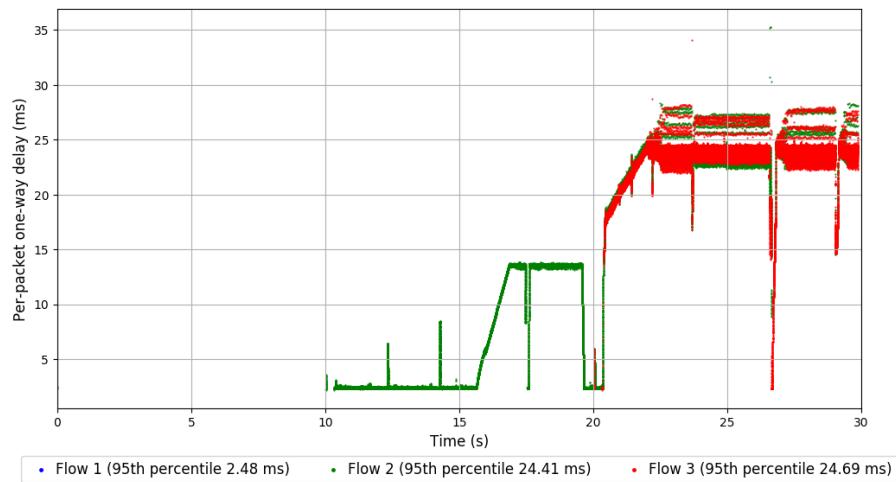
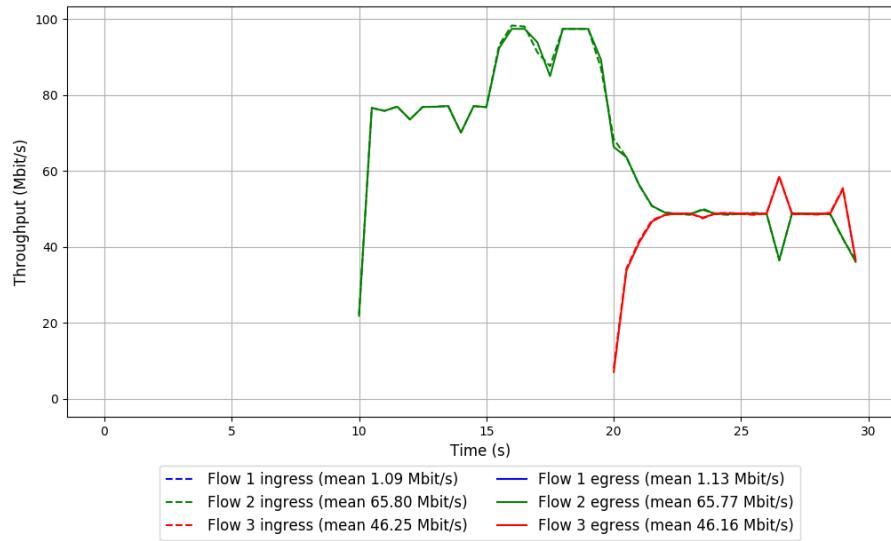


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-16 13:33:03
End at: 2018-02-16 13:33:33
Local clock offset: -7.143 ms
Remote clock offset: -5.535 ms

# Below is generated by plot.py at 2018-02-16 17:33:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 24.448 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 2.485 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.77 Mbit/s
95th percentile per-packet one-way delay: 24.414 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 24.689 ms
Loss rate: 0.27%
```

Run 9: Report of QUIC Cubic — Data Link

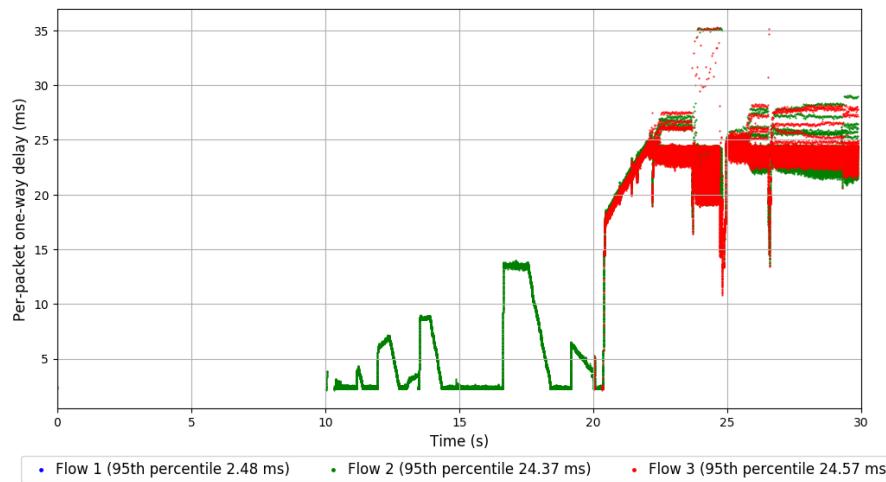
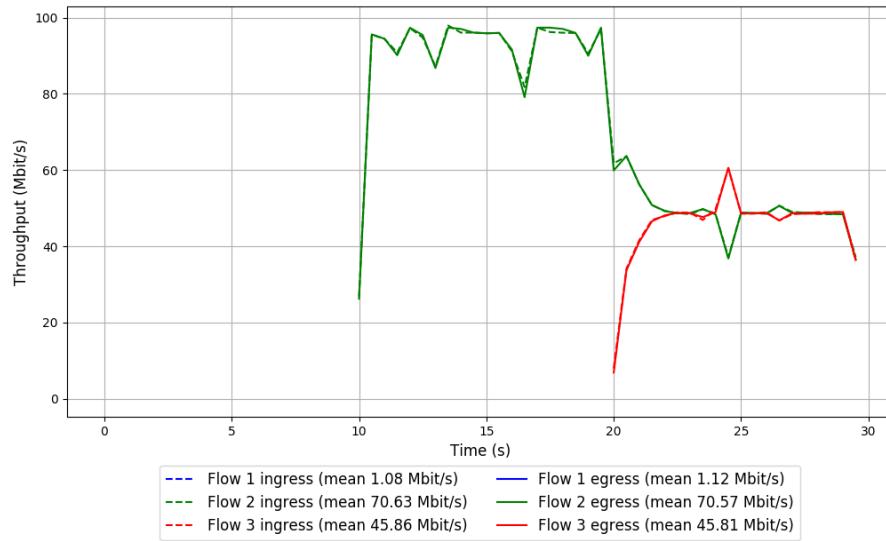


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-16 13:53:27
End at: 2018-02-16 13:53:57
Local clock offset: -5.211 ms
Remote clock offset: -5.598 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 24.371 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 24.573 ms
Loss rate: 0.27%
```

Run 10: Report of QUIC Cubic — Data Link

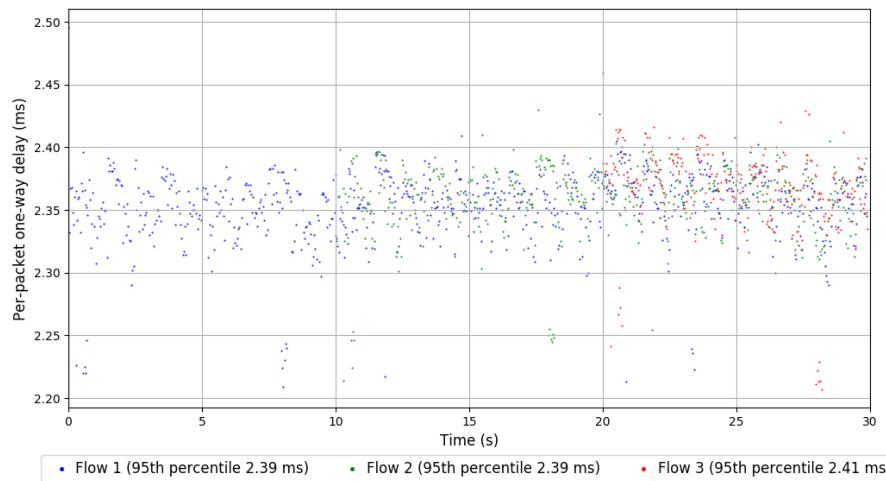
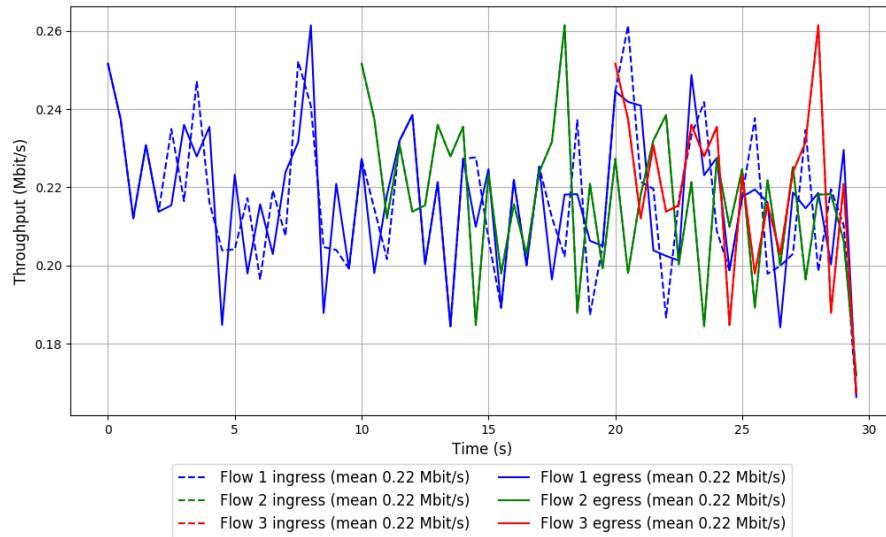


```
Run 1: Statistics of SCReAM

Start at: 2018-02-16 10:44:01
End at: 2018-02-16 10:44:31
Local clock offset: -8.802 ms
Remote clock offset: -4.492 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

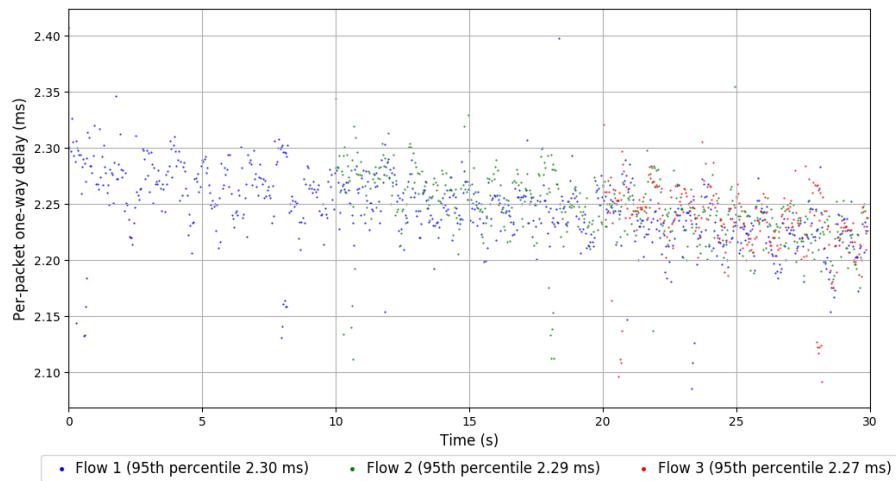
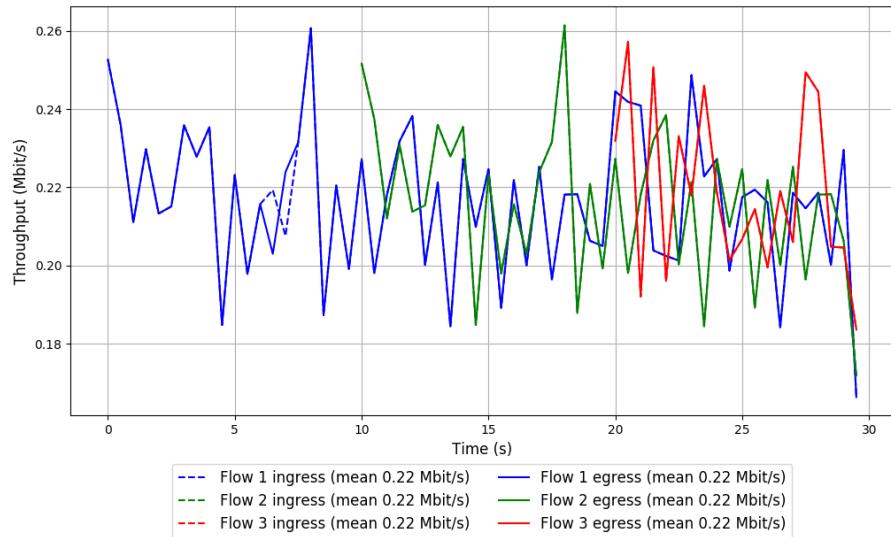


Run 2: Statistics of SCReAM

```
Start at: 2018-02-16 11:04:28
End at: 2018-02-16 11:04:58
Local clock offset: -4.392 ms
Remote clock offset: -4.177 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.296 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.273 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

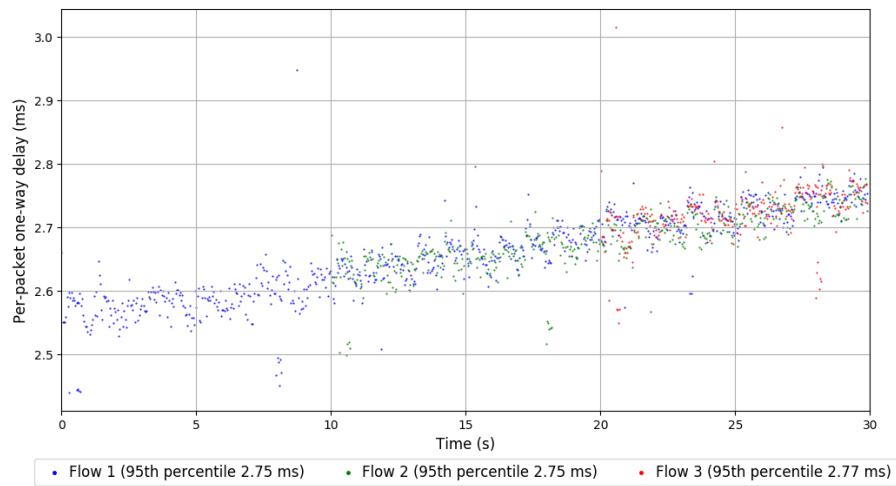
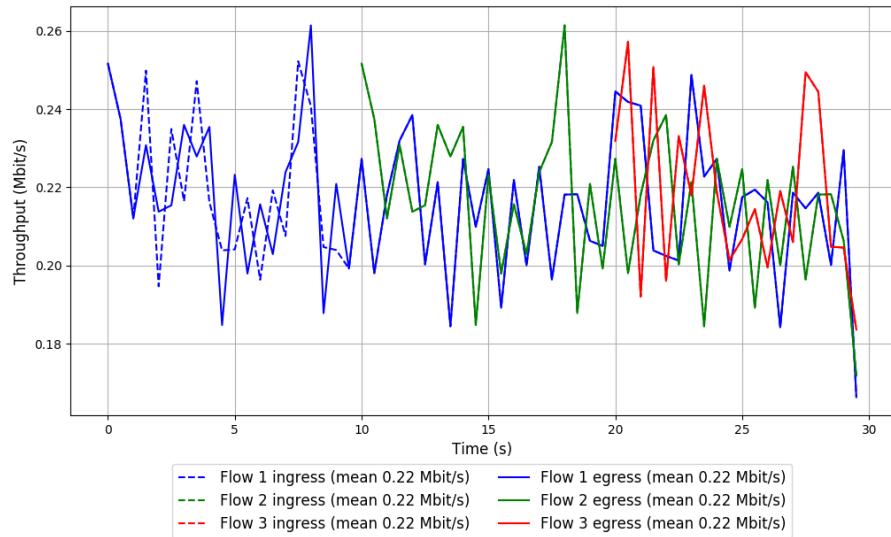


Run 3: Statistics of SCReAM

```
Start at: 2018-02-16 11:24:54
End at: 2018-02-16 11:25:24
Local clock offset: -2.915 ms
Remote clock offset: -4.688 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.751 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.771 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

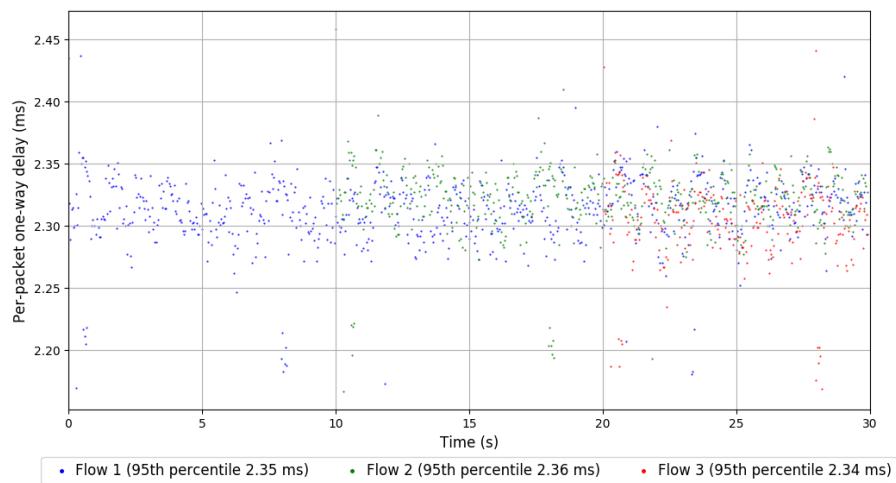
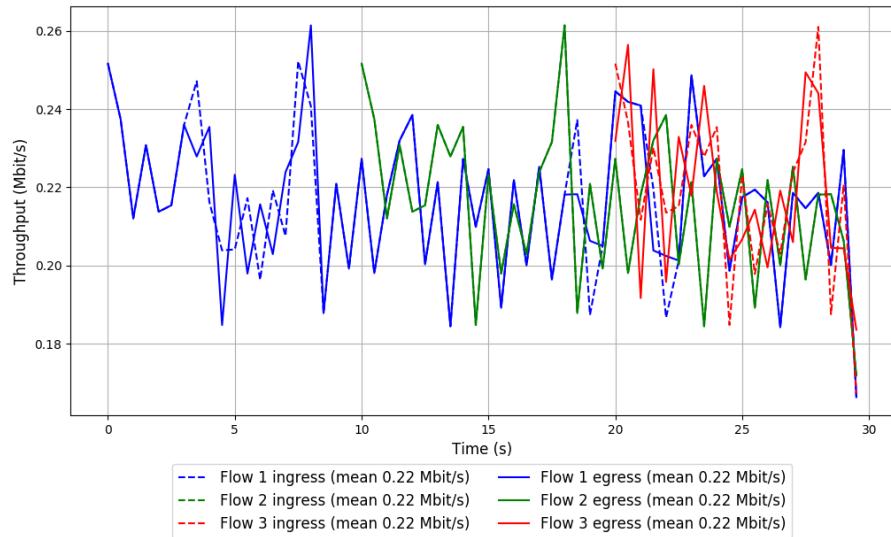


Run 4: Statistics of SCReAM

```
Start at: 2018-02-16 11:45:20
End at: 2018-02-16 11:45:50
Local clock offset: -6.404 ms
Remote clock offset: -4.822 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.356 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

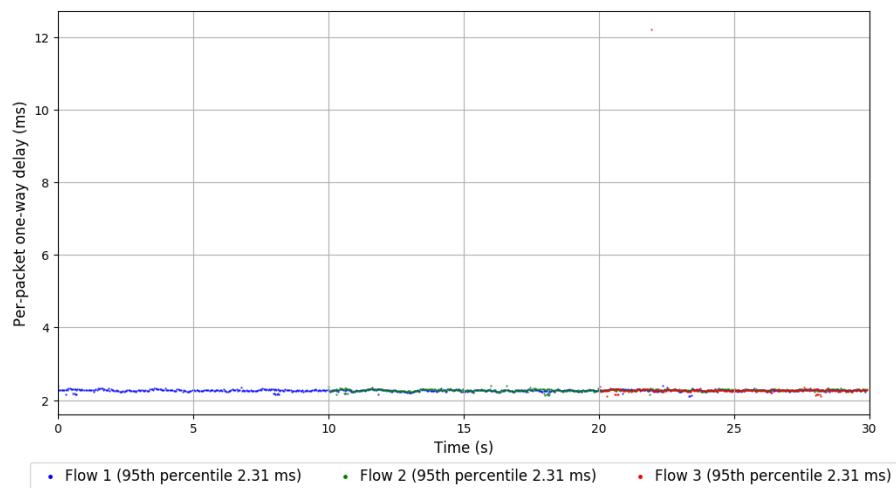
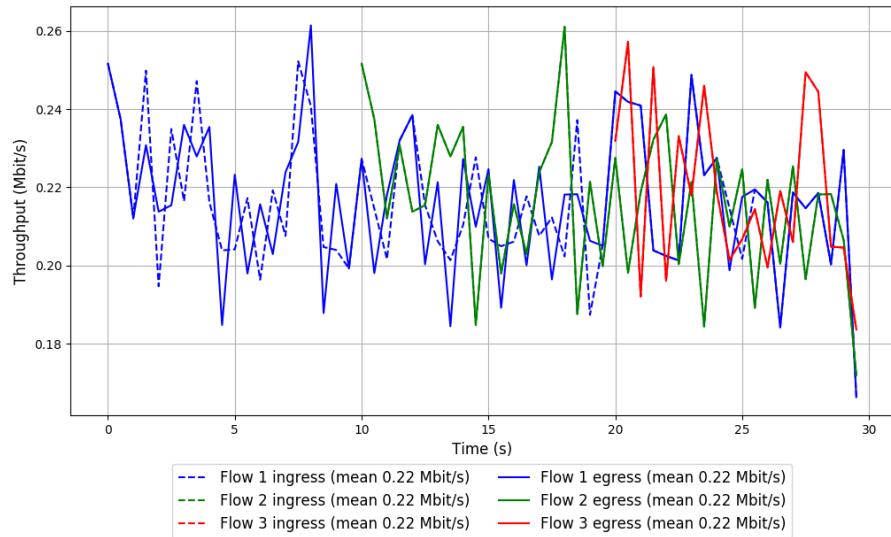


Run 5: Statistics of SCReAM

```
Start at: 2018-02-16 12:05:45
End at: 2018-02-16 12:06:15
Local clock offset: -6.813 ms
Remote clock offset: -5.165 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

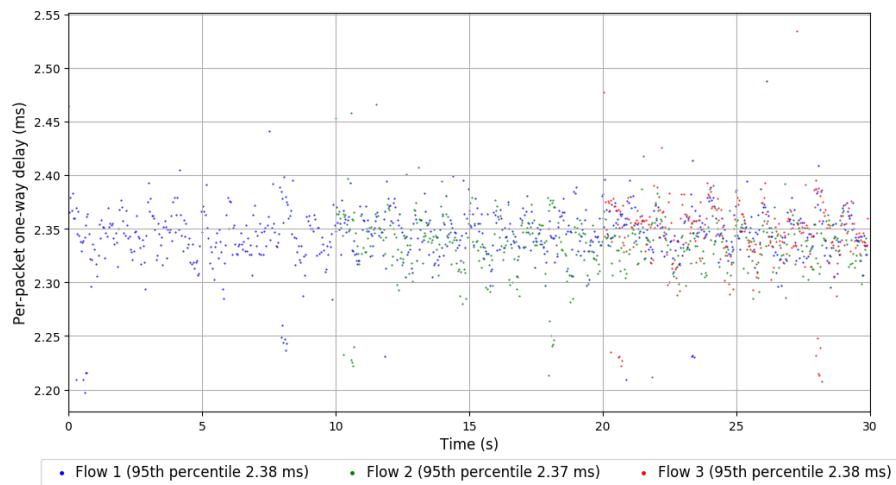
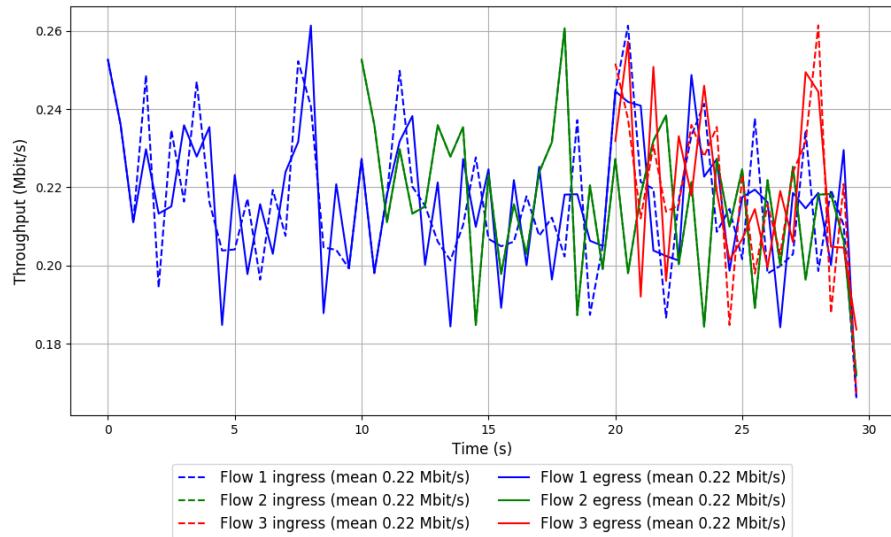


Run 6: Statistics of SCReAM

```
Start at: 2018-02-16 12:26:10
End at: 2018-02-16 12:26:40
Local clock offset: -6.824 ms
Remote clock offset: -5.274 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.385 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

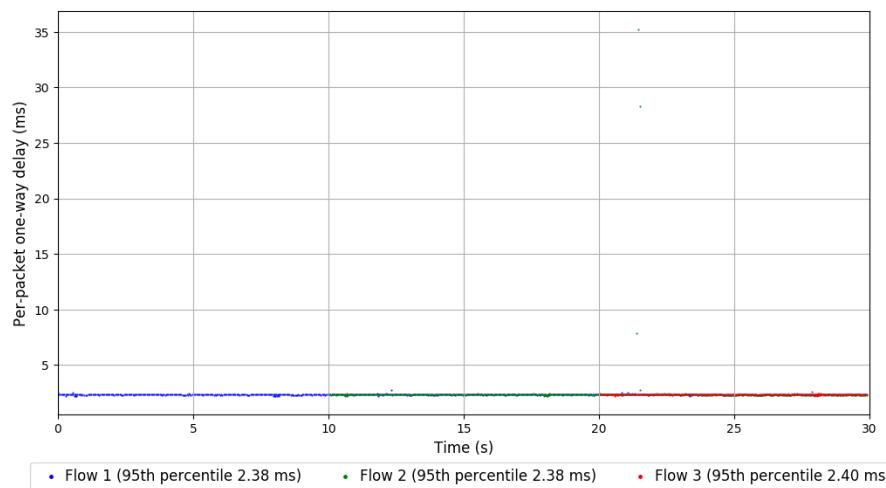
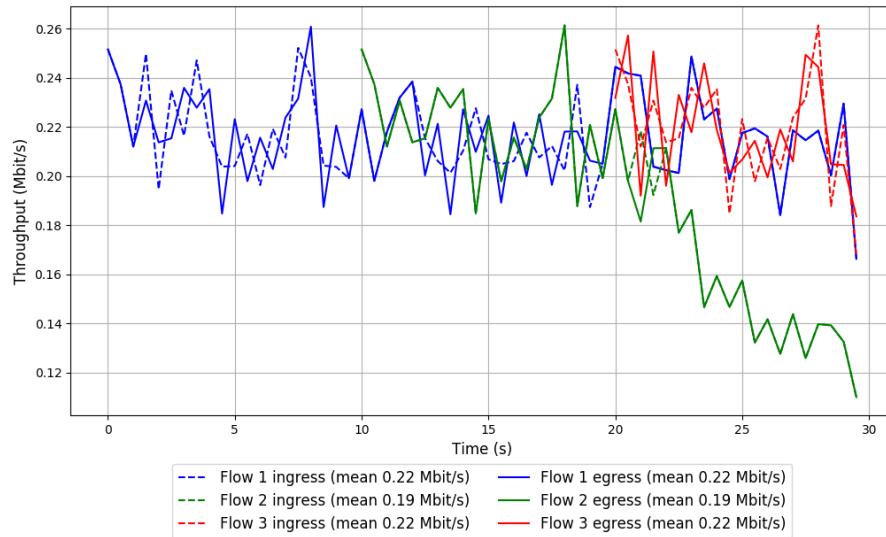


Run 7: Statistics of SCReAM

```
Start at: 2018-02-16 12:46:36
End at: 2018-02-16 12:47:06
Local clock offset: -7.287 ms
Remote clock offset: -5.311 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 2.384 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 2.384 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

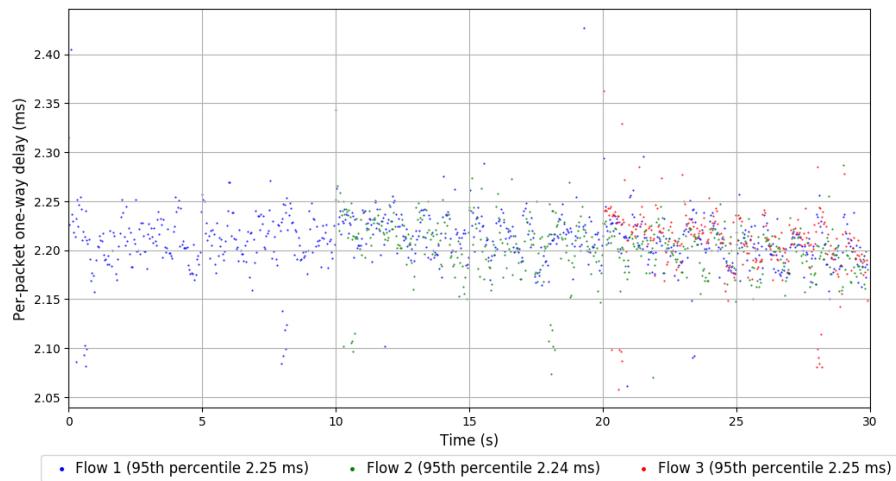
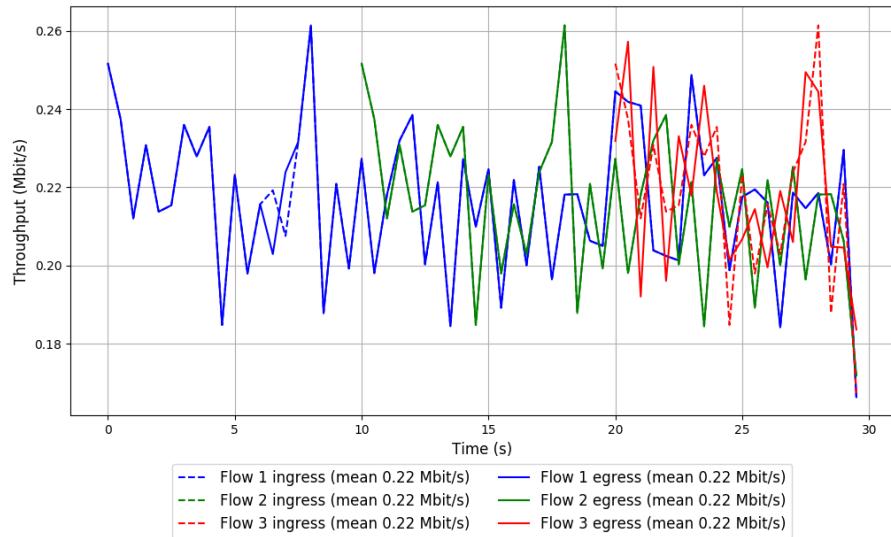


Run 8: Statistics of SCReAM

```
Start at: 2018-02-16 13:07:00
End at: 2018-02-16 13:07:30
Local clock offset: -7.639 ms
Remote clock offset: -5.723 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.244 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.245 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

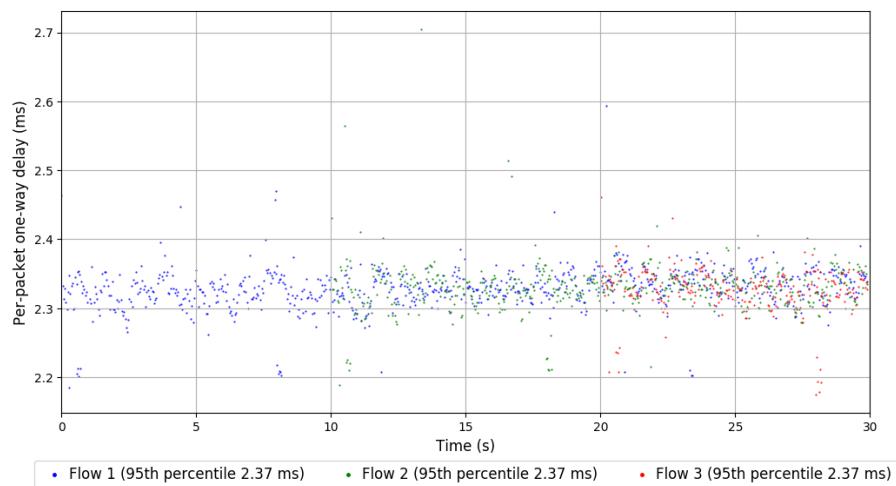
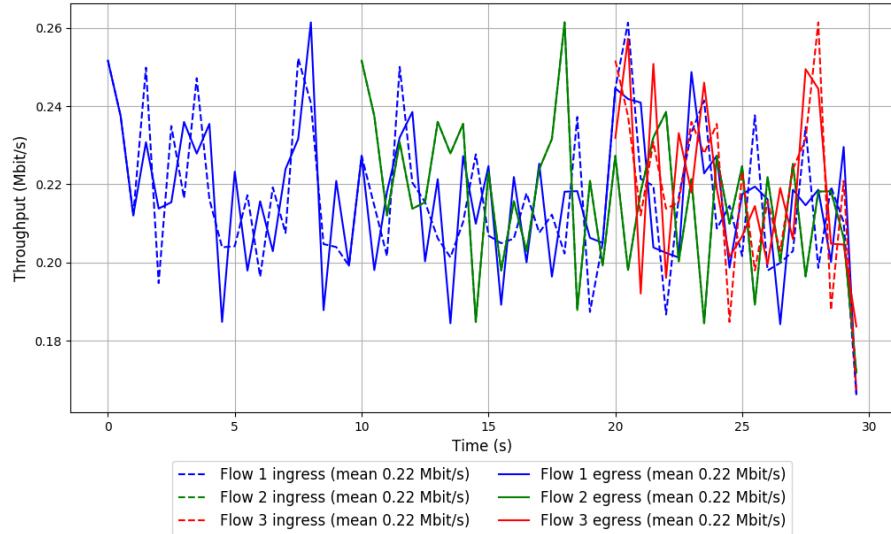


Run 9: Statistics of SCReAM

```
Start at: 2018-02-16 13:27:24
End at: 2018-02-16 13:27:54
Local clock offset: -7.144 ms
Remote clock offset: -5.664 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

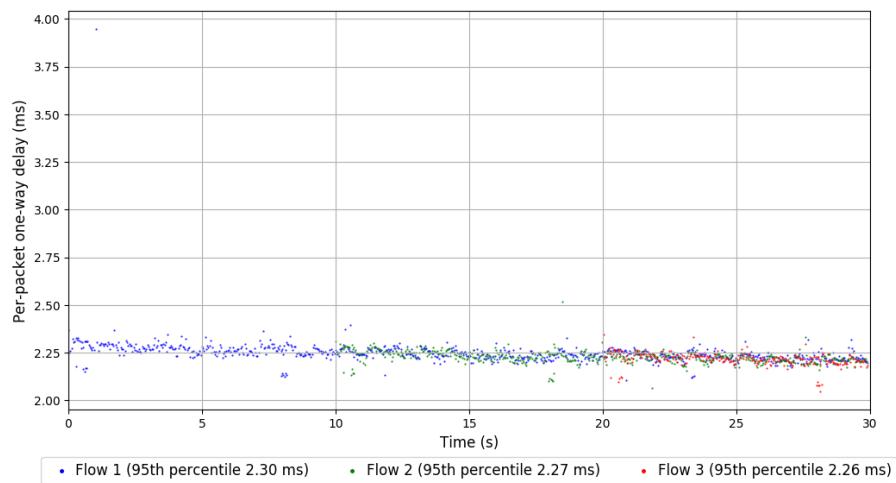
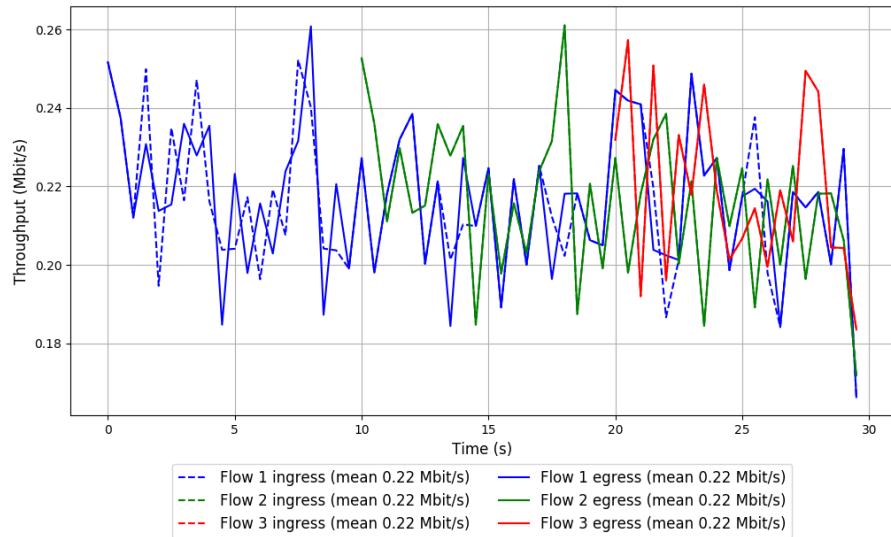


Run 10: Statistics of SCReAM

```
Start at: 2018-02-16 13:47:44
End at: 2018-02-16 13:48:14
Local clock offset: -5.795 ms
Remote clock offset: -5.491 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

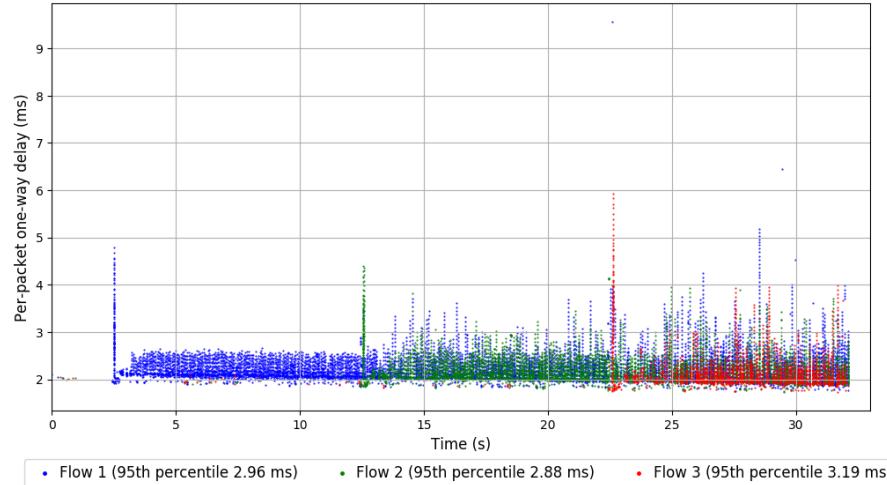
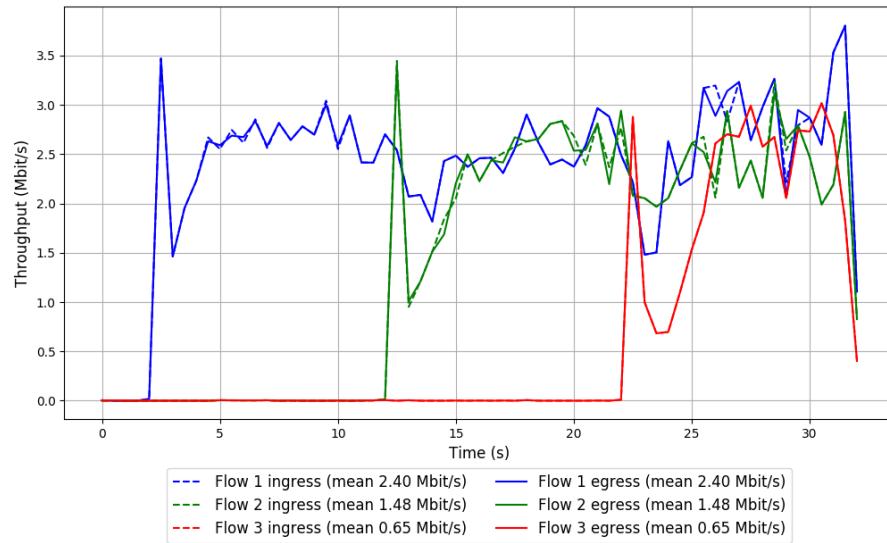


Run 1: Statistics of WebRTC media

```
Start at: 2018-02-16 10:52:00
End at: 2018-02-16 10:52:30
Local clock offset: -7.902 ms
Remote clock offset: -4.366 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 2.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 2.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.185 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

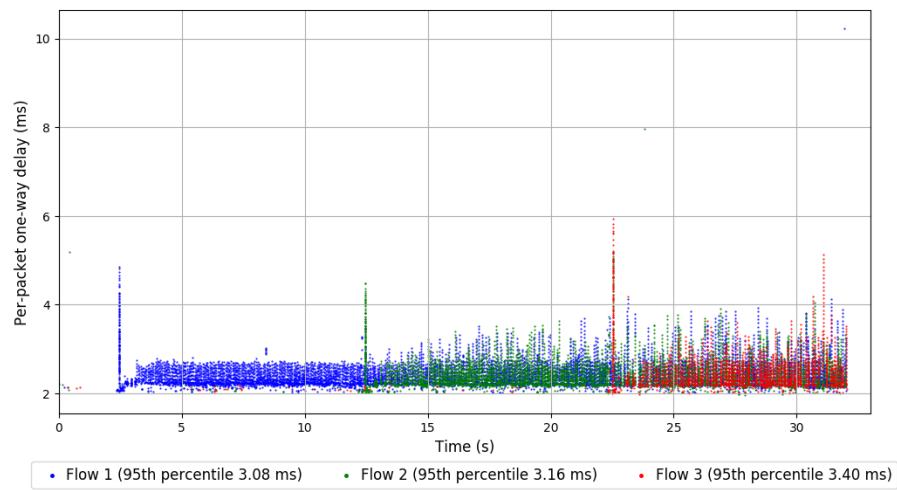
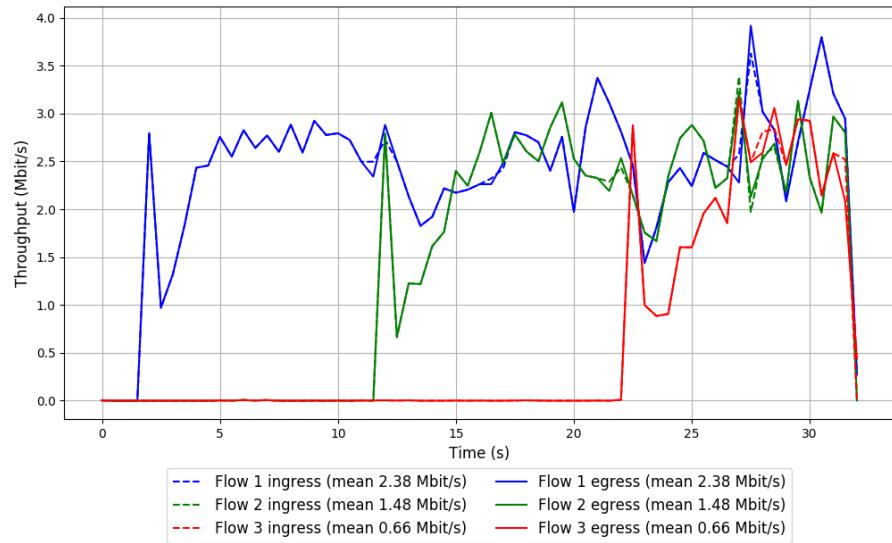


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-16 11:12:26
End at: 2018-02-16 11:12:56
Local clock offset: -3.566 ms
Remote clock offset: -4.427 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 3.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 3.080 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.401 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

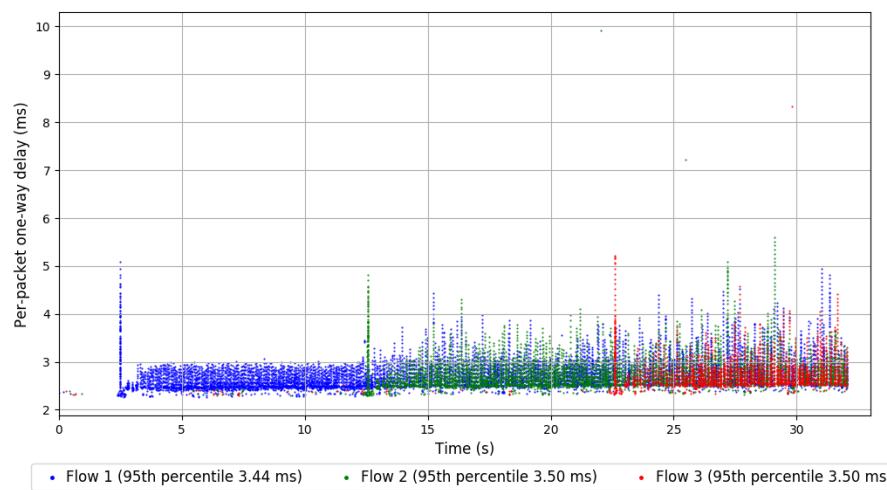
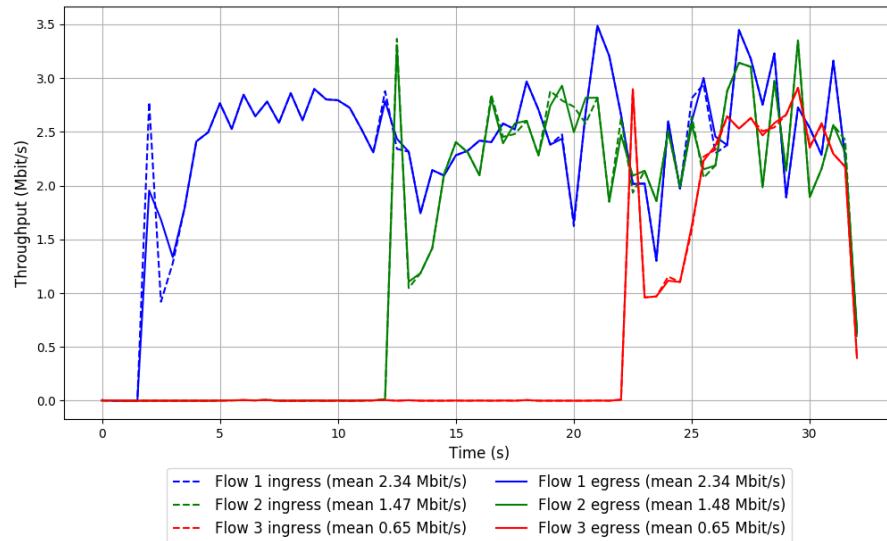


```
Run 3: Statistics of WebRTC media

Start at: 2018-02-16 11:32:51
End at: 2018-02-16 11:33:21
Local clock offset: -5.167 ms
Remote clock offset: -4.714 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 3.462 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.495 ms
Loss rate: 0.01%
```

Run 3: Report of WebRTC media — Data Link

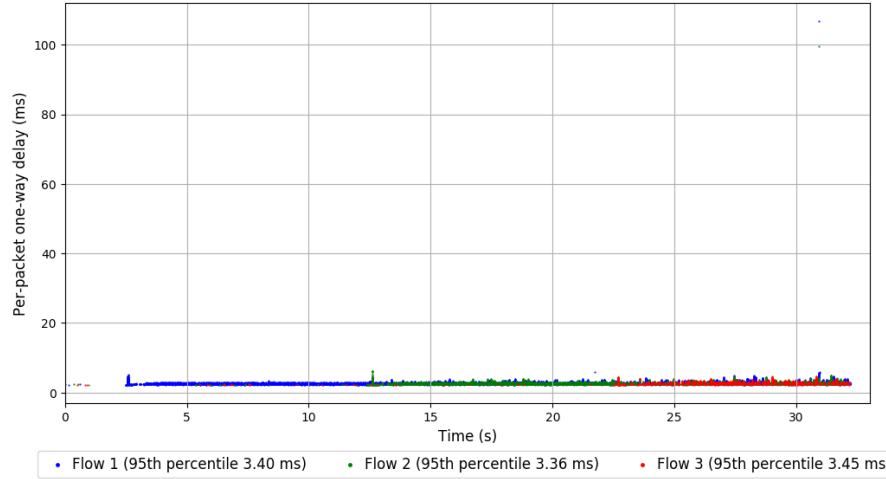
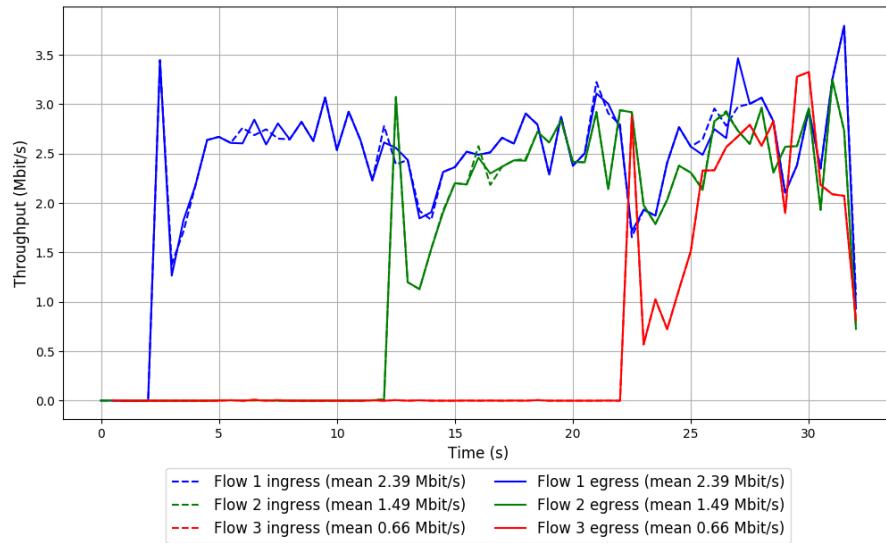


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-16 11:53:20
End at: 2018-02-16 11:53:50
Local clock offset: -6.646 ms
Remote clock offset: -5.088 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 3.398 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.403 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.358 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.454 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

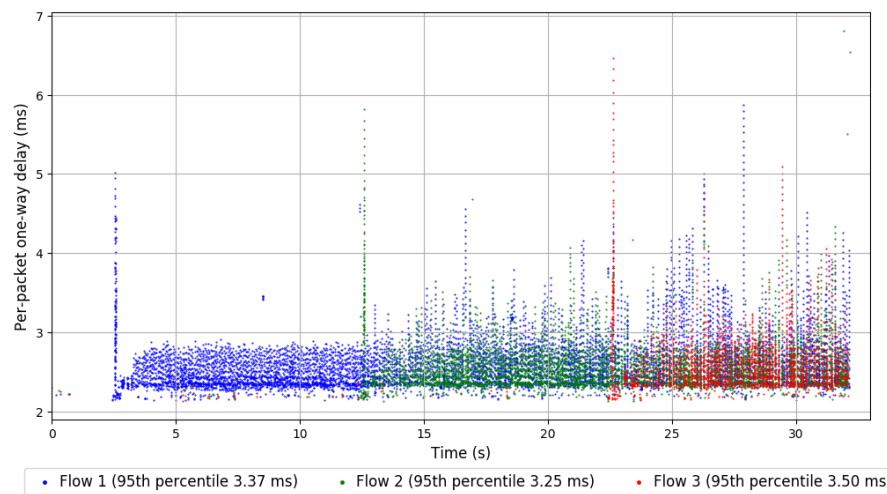
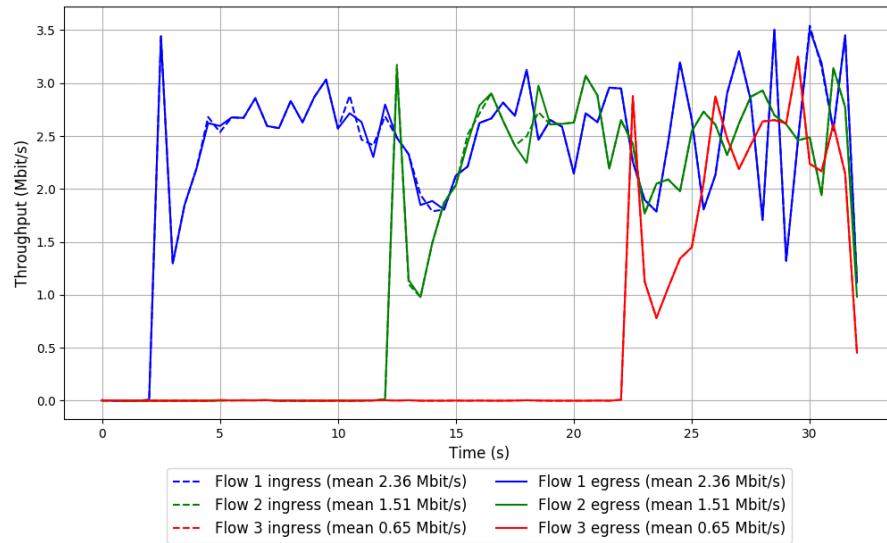


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-16 12:13:43
End at: 2018-02-16 12:14:13
Local clock offset: -6.785 ms
Remote clock offset: -5.198 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.346 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.246 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.504 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

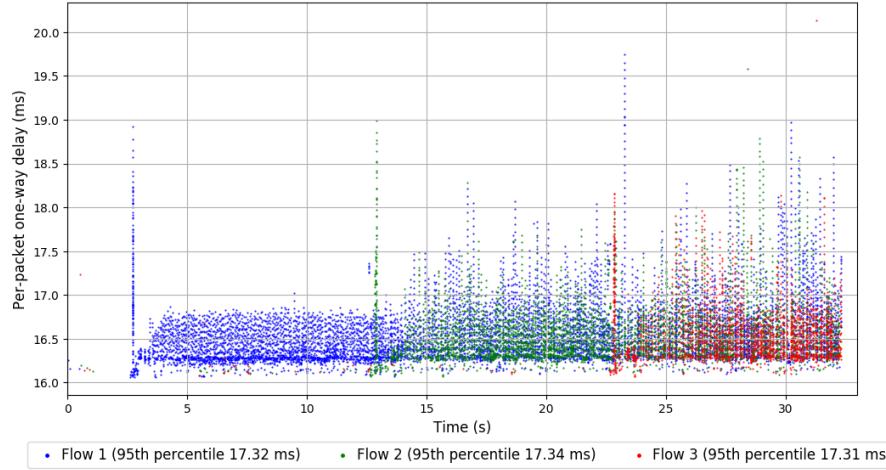
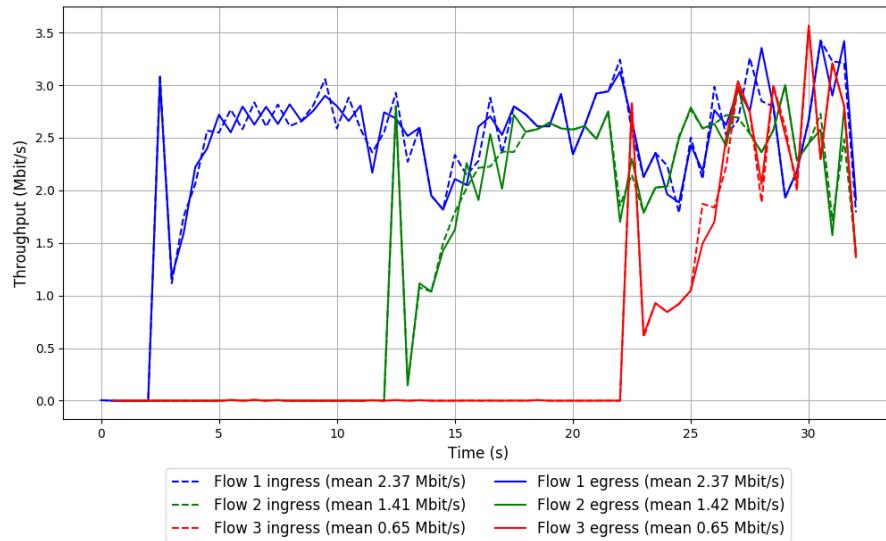


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-16 12:34:09
End at: 2018-02-16 12:34:39
Local clock offset: -7.022 ms
Remote clock offset: -19.287 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 17.330 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 17.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 17.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 17.314 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

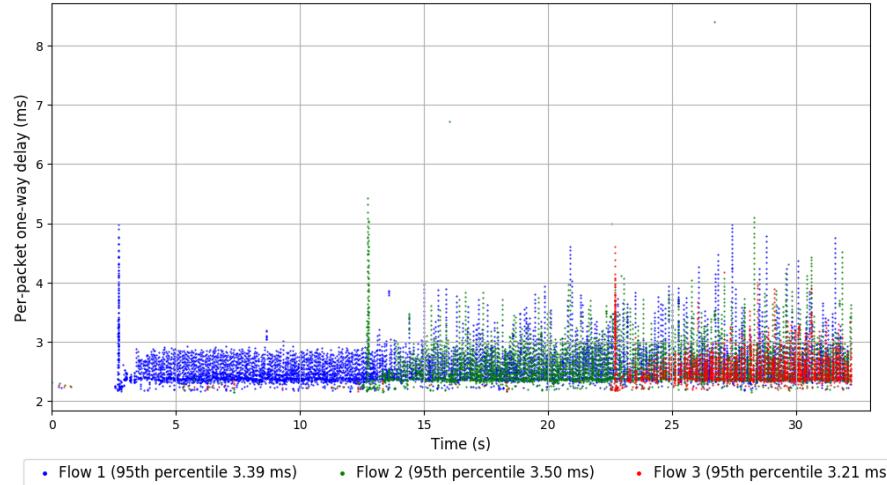
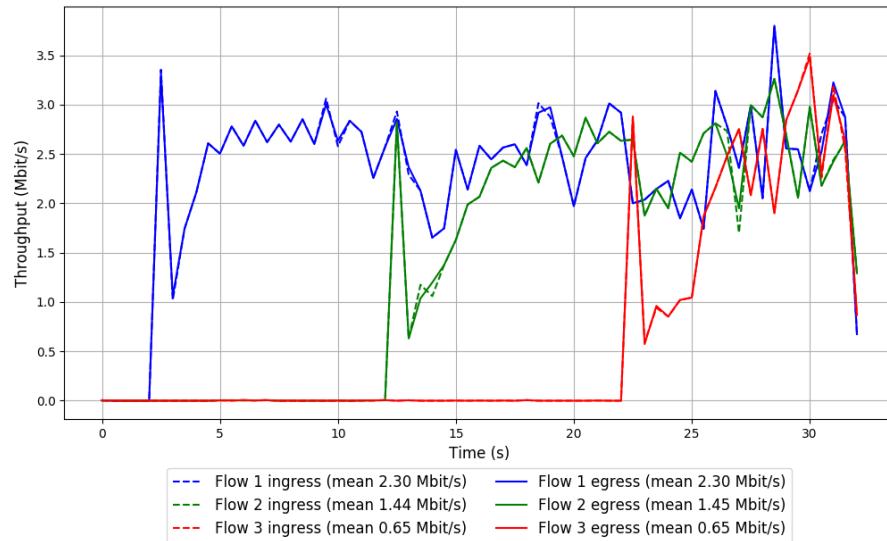


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-16 12:54:34
End at: 2018-02-16 12:55:04
Local clock offset: -7.416 ms
Remote clock offset: -5.502 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 3.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 3.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 3.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.207 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

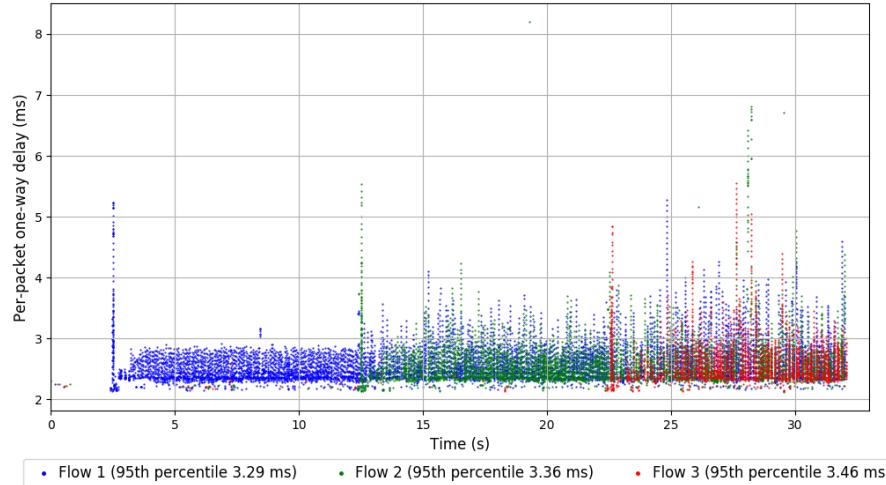
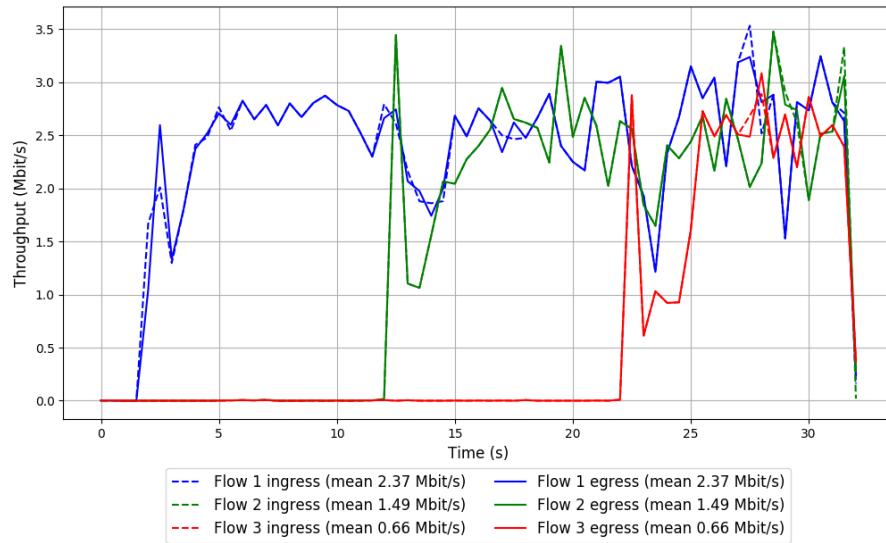


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-16 13:14:58
End at: 2018-02-16 13:15:28
Local clock offset: -7.253 ms
Remote clock offset: -5.807 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.336 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.286 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.356 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.456 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

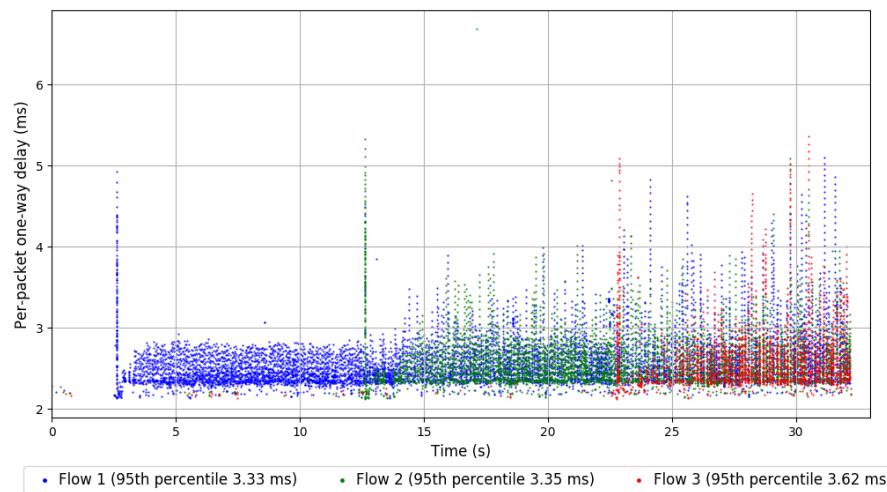
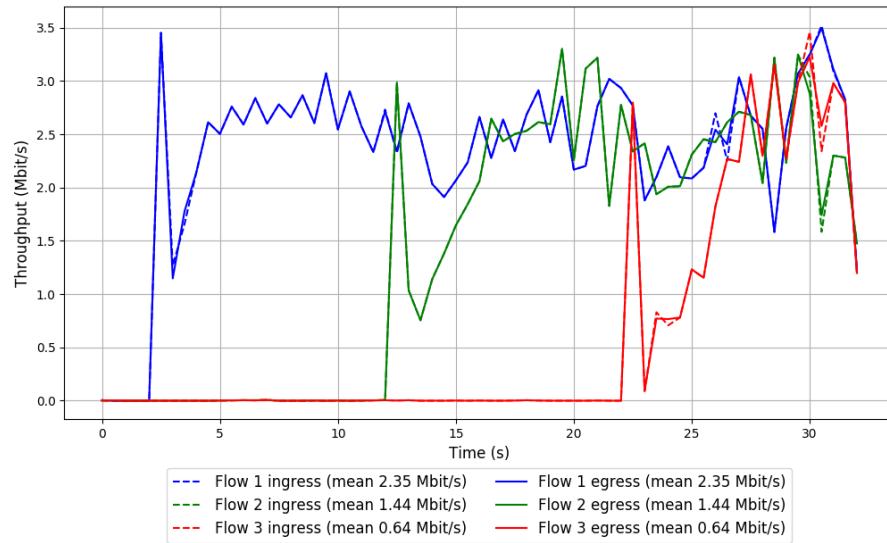


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-16 13:35:19
End at: 2018-02-16 13:35:49
Local clock offset: -7.144 ms
Remote clock offset: -5.486 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 3.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 3.351 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 3.615 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

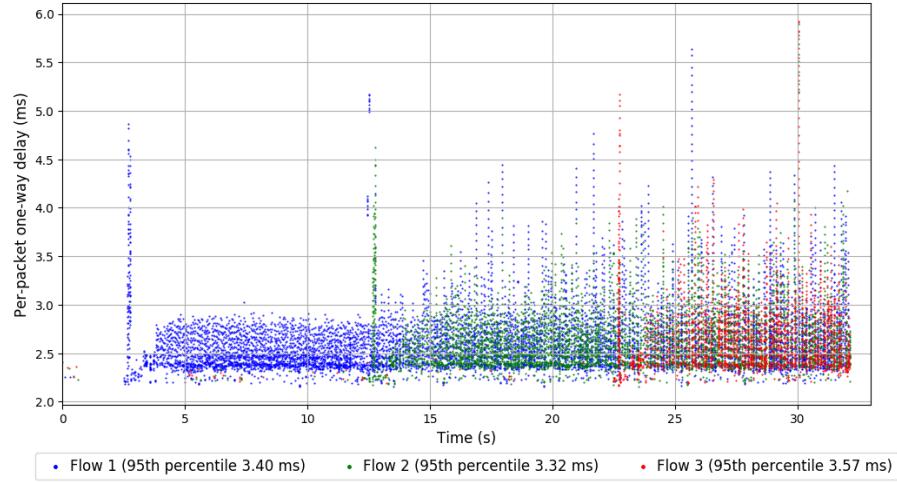
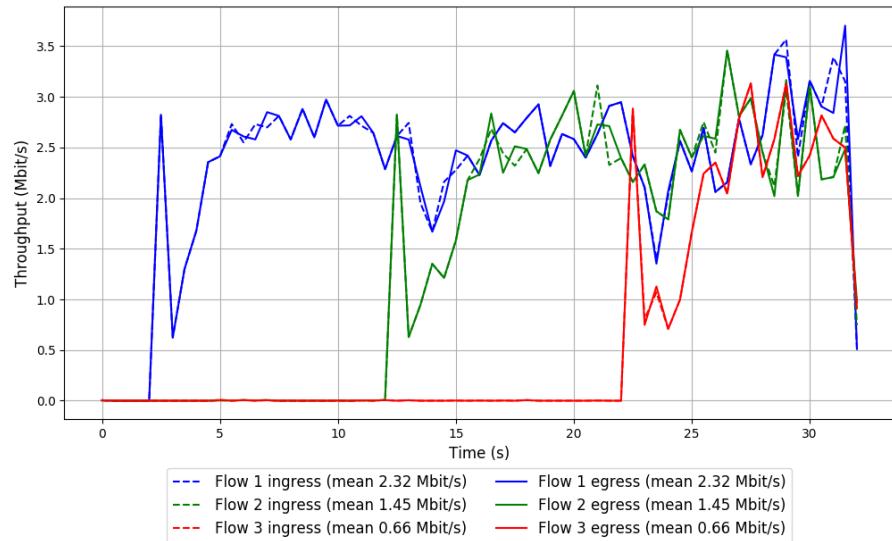


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-16 13:55:43
End at: 2018-02-16 13:56:13
Local clock offset: -5.027 ms
Remote clock offset: -5.632 ms

# Below is generated by plot.py at 2018-02-16 17:33:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 3.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 3.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 3.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.568 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

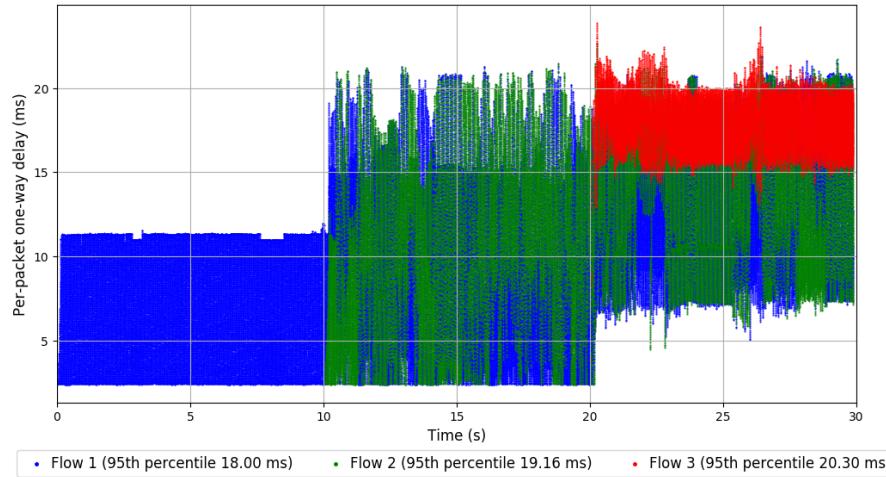
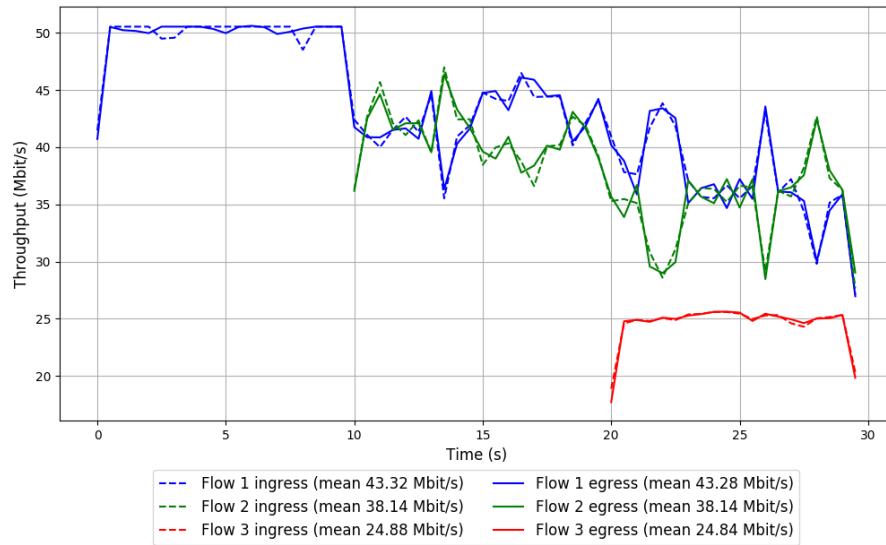


Run 1: Statistics of Sprout

```
Start at: 2018-02-16 10:36:05
End at: 2018-02-16 10:36:35
Local clock offset: -8.714 ms
Remote clock offset: -4.642 ms

# Below is generated by plot.py at 2018-02-16 17:34:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 17.995 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.14 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.21%
```

Run 1: Report of Sprout — Data Link

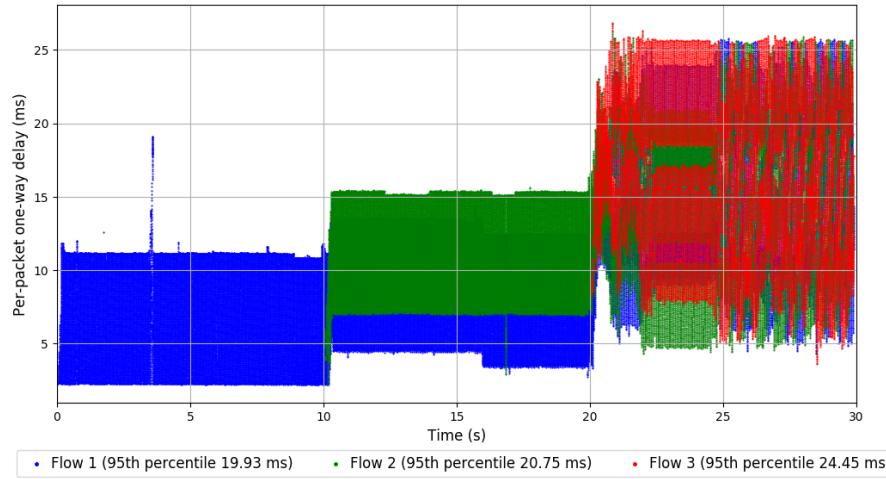
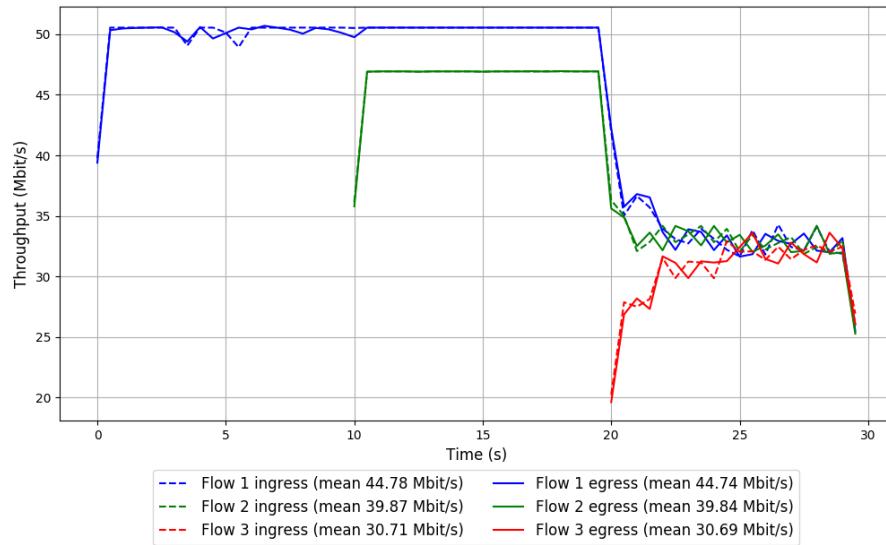


Run 2: Statistics of Sprout

```
Start at: 2018-02-16 10:56:31
End at: 2018-02-16 10:57:01
Local clock offset: -6.183 ms
Remote clock offset: -4.365 ms

# Below is generated by plot.py at 2018-02-16 17:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 21.733 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 20.748 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 24.454 ms
Loss rate: 0.19%
```

Run 2: Report of Sprout — Data Link

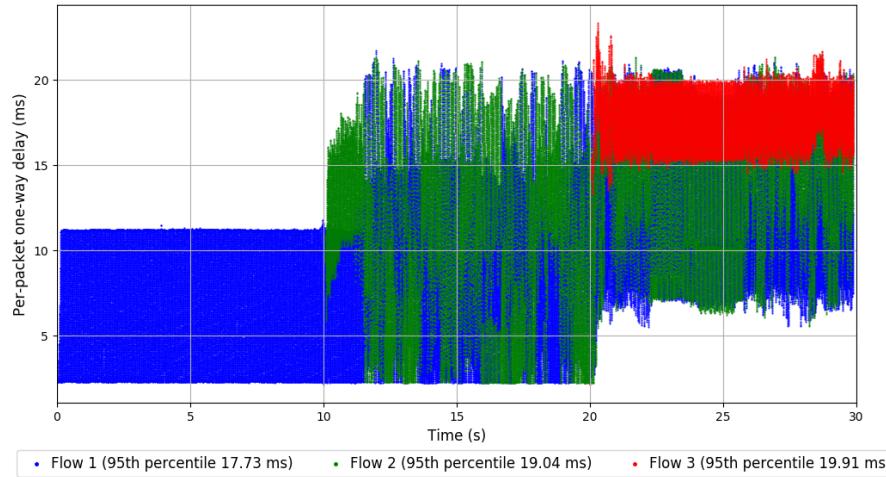
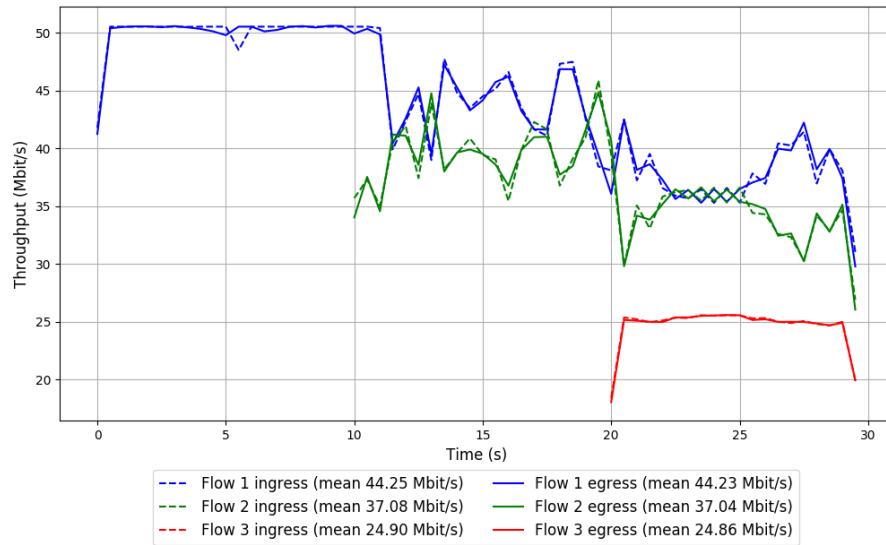


Run 3: Statistics of Sprout

```
Start at: 2018-02-16 11:16:56
End at: 2018-02-16 11:17:26
Local clock offset: -3.138 ms
Remote clock offset: -4.555 ms

# Below is generated by plot.py at 2018-02-16 17:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 17.727 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 19.912 ms
Loss rate: 0.20%
```

Run 3: Report of Sprout — Data Link

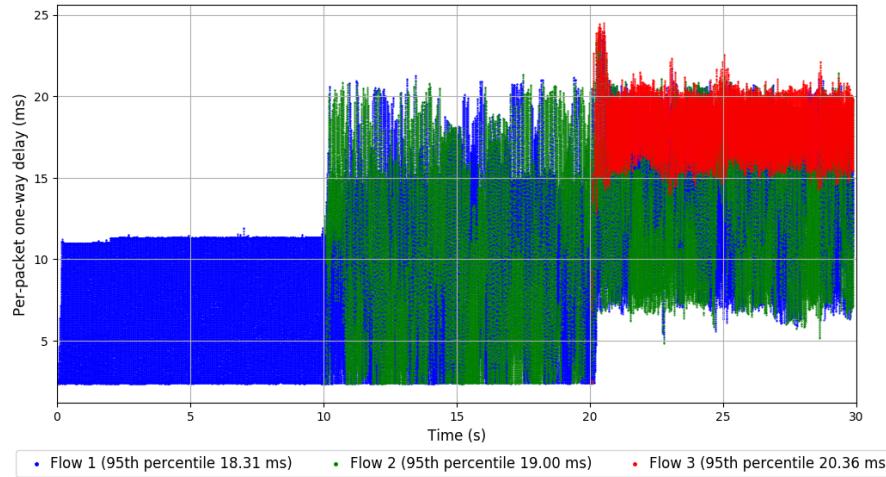
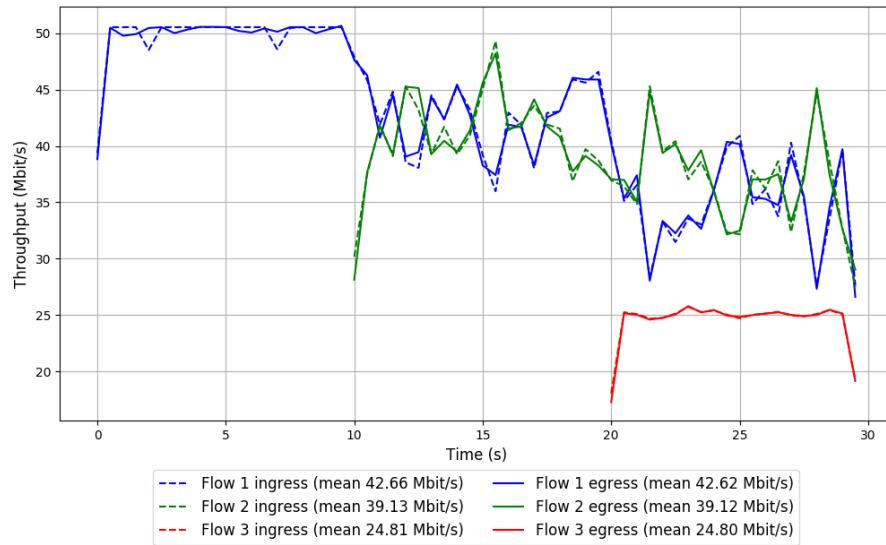


Run 4: Statistics of Sprout

```
Start at: 2018-02-16 11:37:22
End at: 2018-02-16 11:37:52
Local clock offset: -5.845 ms
Remote clock offset: -4.702 ms

# Below is generated by plot.py at 2018-02-16 17:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.80 Mbit/s
95th percentile per-packet one-way delay: 19.296 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 18.309 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.21%
```

Run 4: Report of Sprout — Data Link

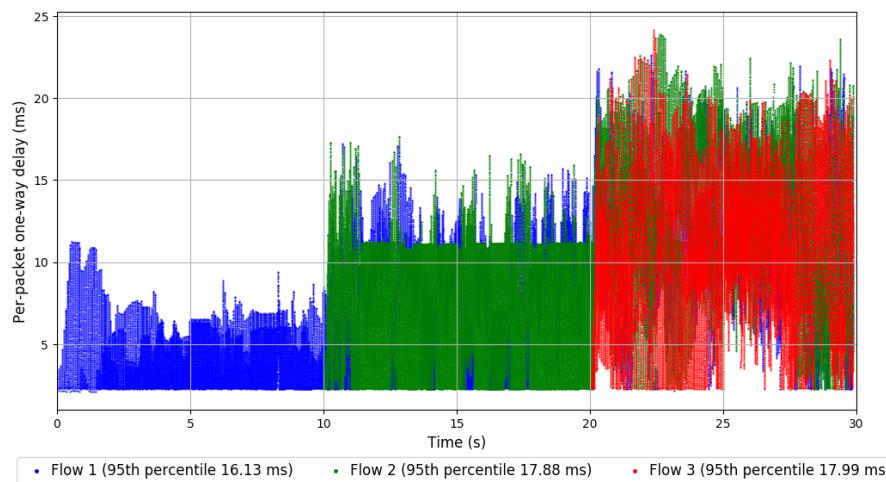
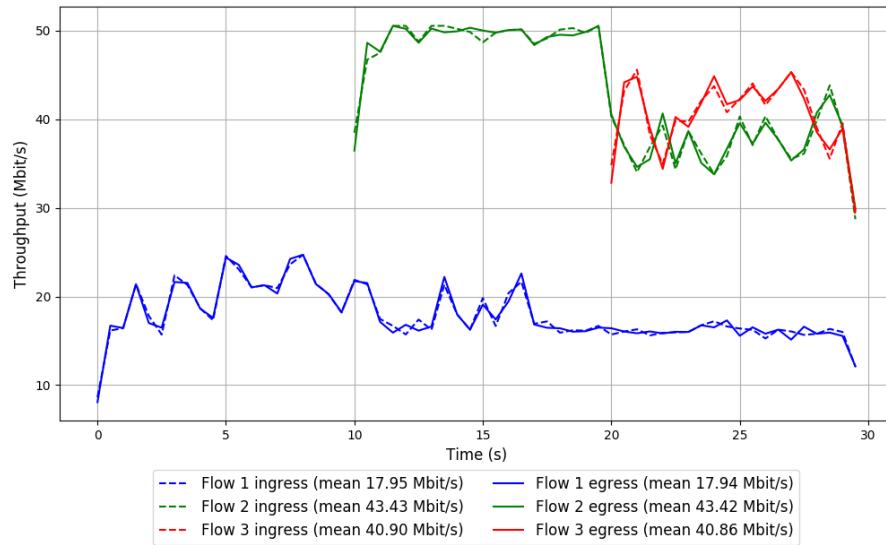


Run 5: Statistics of Sprout

```
Start at: 2018-02-16 11:57:48
End at: 2018-02-16 11:58:18
Local clock offset: -6.819 ms
Remote clock offset: -5.097 ms

# Below is generated by plot.py at 2018-02-16 17:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 17.567 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 17.94 Mbit/s
95th percentile per-packet one-way delay: 16.127 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 17.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 17.987 ms
Loss rate: 0.07%
```

Run 5: Report of Sprout — Data Link

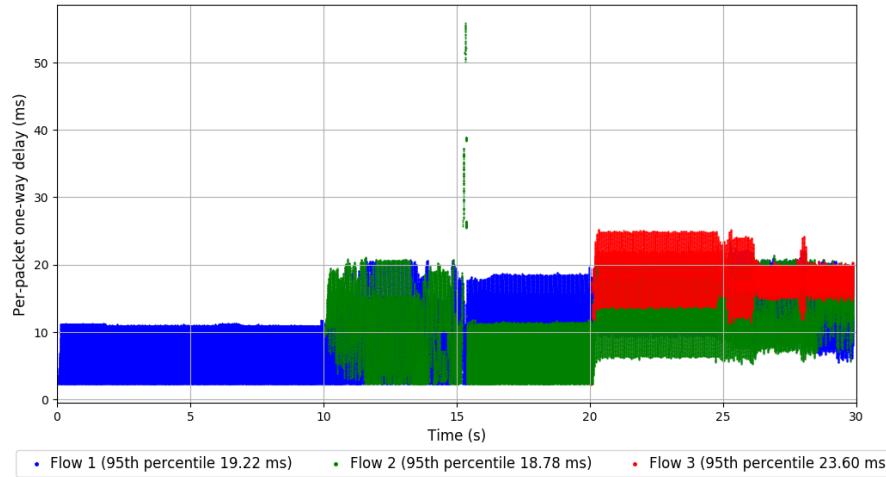
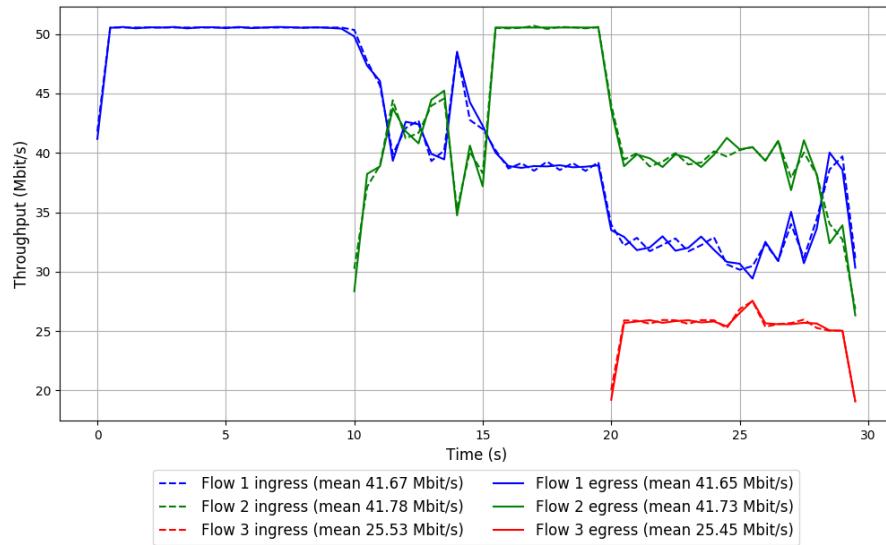


Run 6: Statistics of Sprout

```
Start at: 2018-02-16 12:18:13
End at: 2018-02-16 12:18:43
Local clock offset: -6.855 ms
Remote clock offset: -5.223 ms

# Below is generated by plot.py at 2018-02-16 17:34:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 20.071 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.73 Mbit/s
95th percentile per-packet one-way delay: 18.778 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 23.601 ms
Loss rate: 0.17%
```

Run 6: Report of Sprout — Data Link

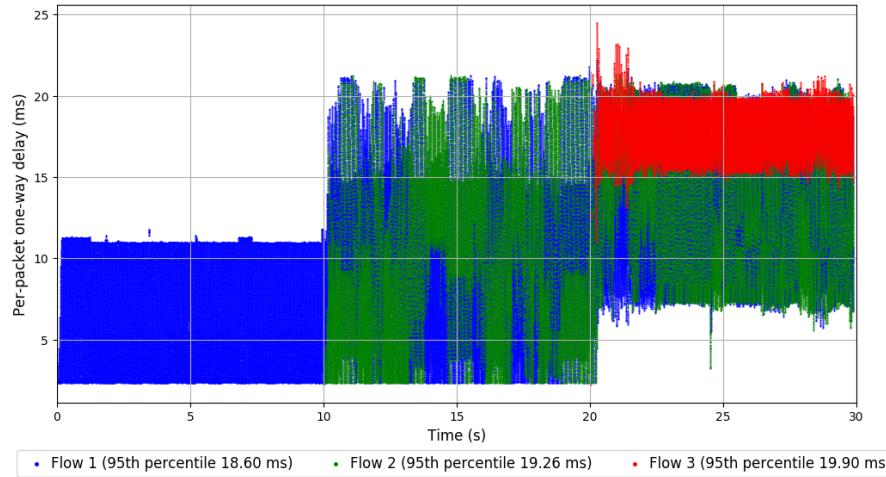
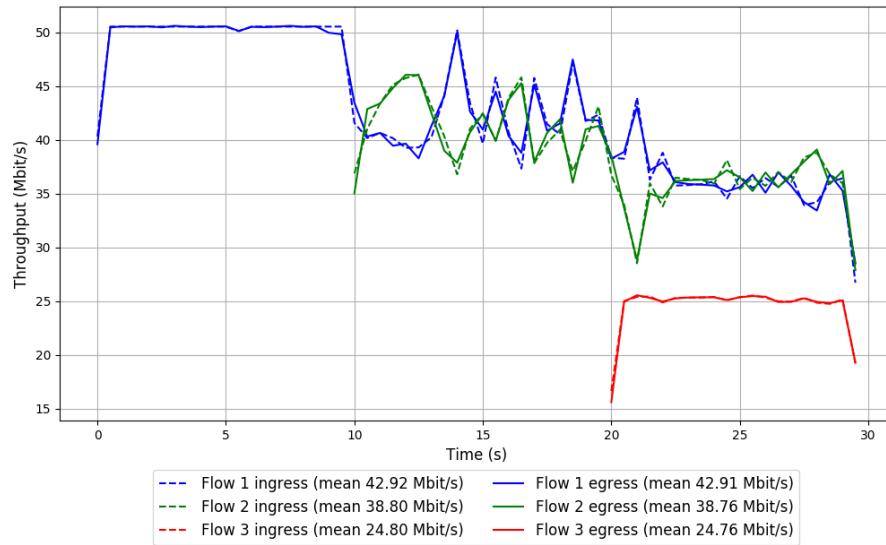


Run 7: Statistics of Sprout

```
Start at: 2018-02-16 12:38:39
End at: 2018-02-16 12:39:09
Local clock offset: -7.108 ms
Remote clock offset: -5.308 ms

# Below is generated by plot.py at 2018-02-16 17:34:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 18.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 19.902 ms
Loss rate: 0.20%
```

Run 7: Report of Sprout — Data Link

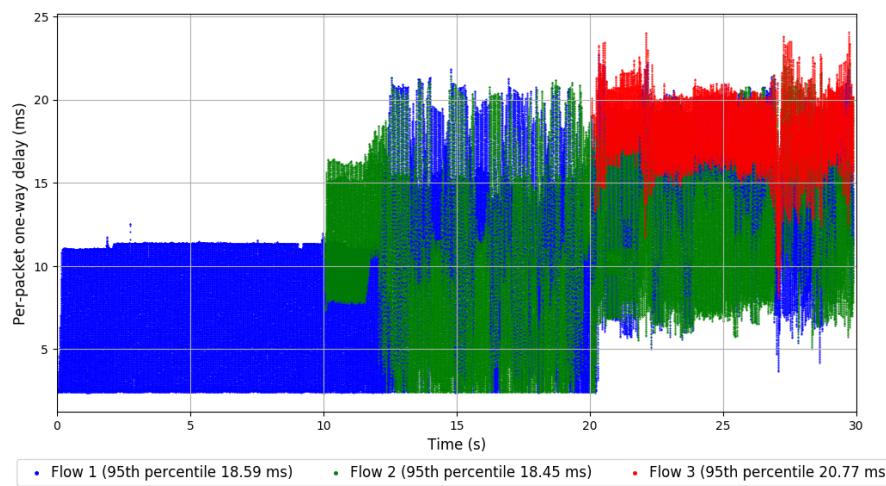
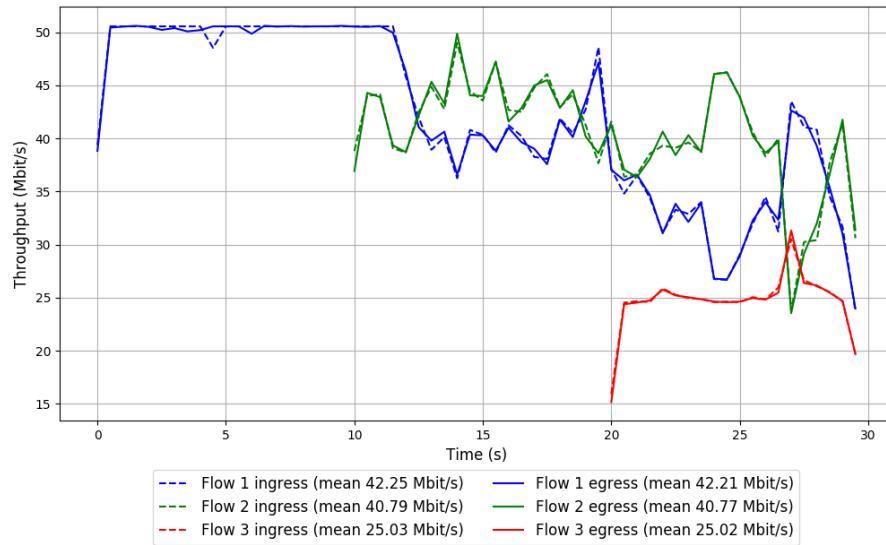


Run 8: Statistics of Sprout

```
Start at: 2018-02-16 12:59:05
End at: 2018-02-16 12:59:35
Local clock offset: -7.475 ms
Remote clock offset: -5.667 ms

# Below is generated by plot.py at 2018-02-16 17:34:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.21 Mbit/s
95th percentile per-packet one-way delay: 18.591 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 18.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 20.767 ms
Loss rate: 0.20%
```

Run 8: Report of Sprout — Data Link

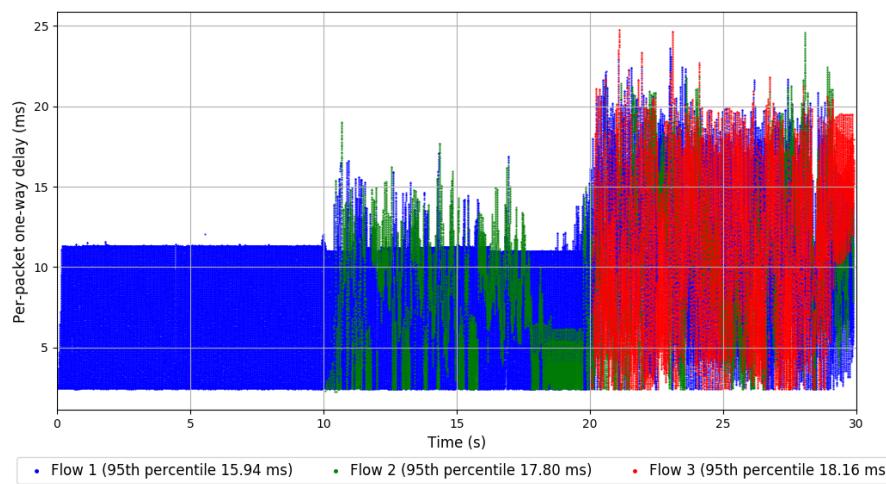
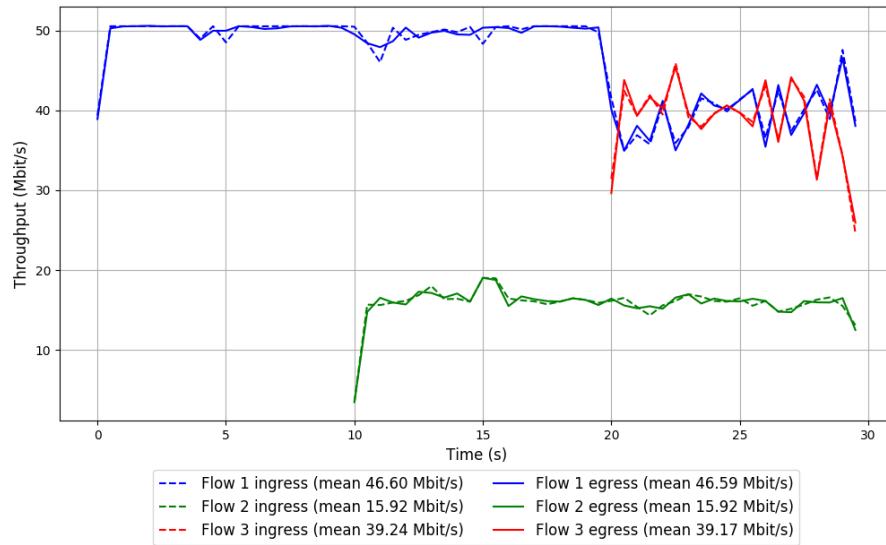


Run 9: Statistics of Sprout

```
Start at: 2018-02-16 13:19:26
End at: 2018-02-16 13:19:56
Local clock offset: -7.171 ms
Remote clock offset: -5.893 ms

# Below is generated by plot.py at 2018-02-16 17:35:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.08 Mbit/s
95th percentile per-packet one-way delay: 17.059 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 15.935 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 17.795 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 18.163 ms
Loss rate: 0.07%
```

Run 9: Report of Sprout — Data Link

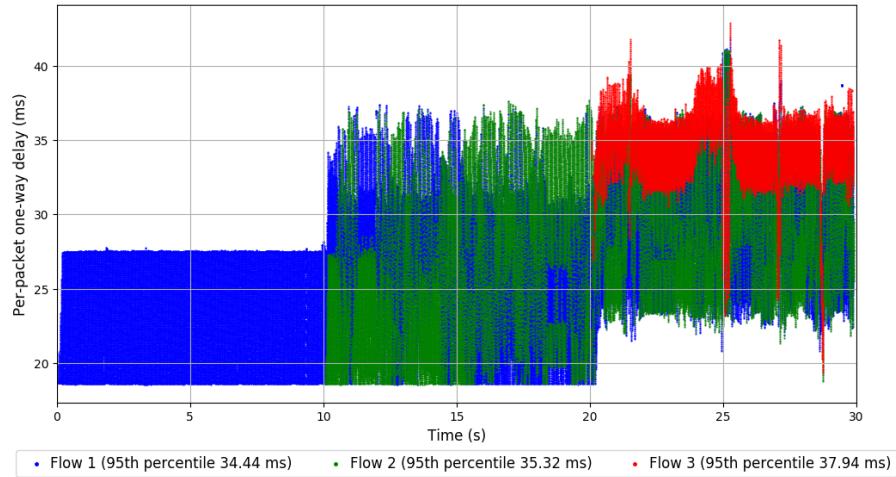
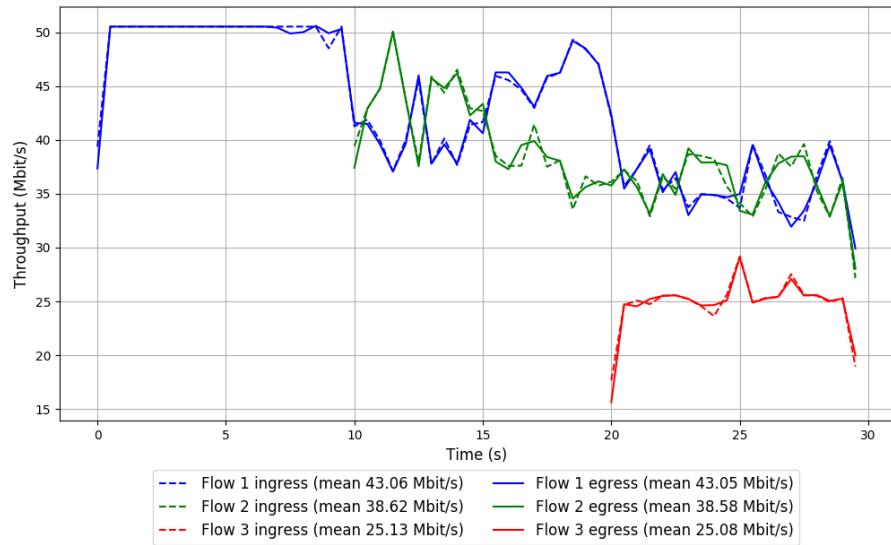


Run 10: Statistics of Sprout

```
Start at: 2018-02-16 13:39:48
End at: 2018-02-16 13:40:18
Local clock offset: -7.181 ms
Remote clock offset: -21.756 ms

# Below is generated by plot.py at 2018-02-16 17:35:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 35.758 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 34.438 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.58 Mbit/s
95th percentile per-packet one-way delay: 35.320 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 25.08 Mbit/s
95th percentile per-packet one-way delay: 37.942 ms
Loss rate: 0.20%
```

Run 10: Report of Sprout — Data Link

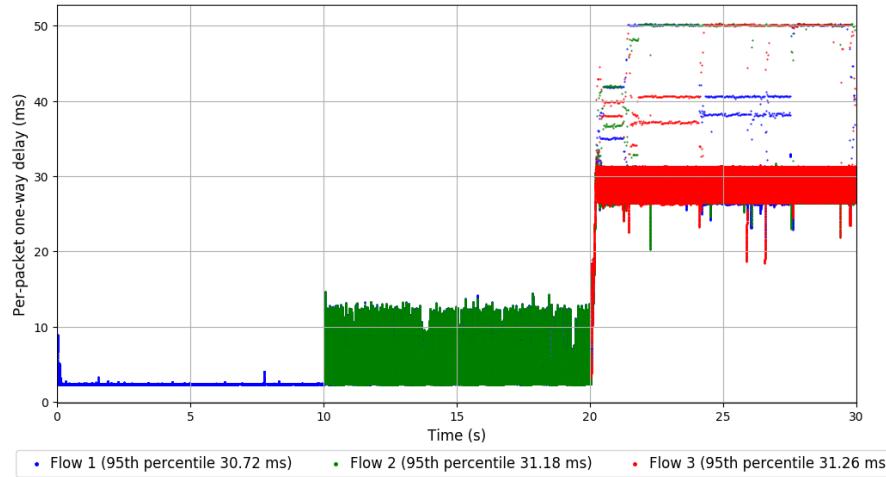
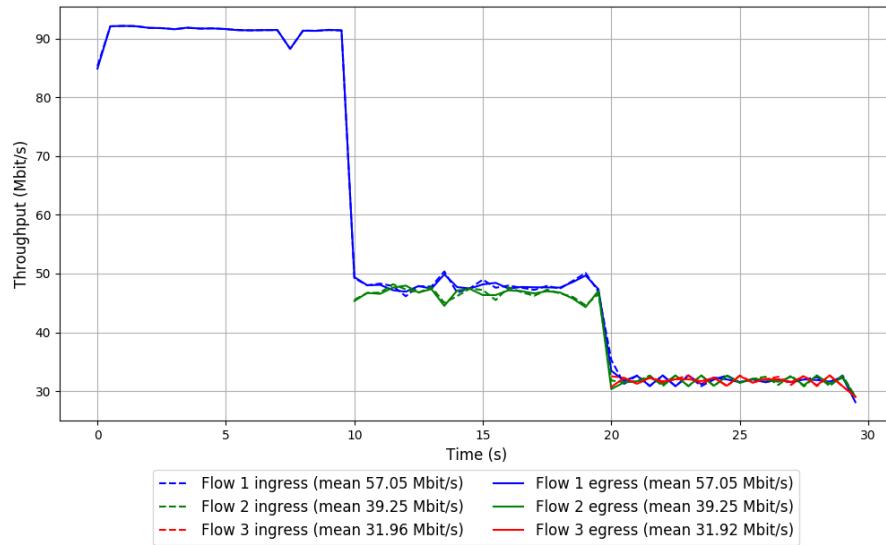


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-16 10:46:13
End at: 2018-02-16 10:46:43
Local clock offset: -8.808 ms
Remote clock offset: -4.455 ms

# Below is generated by plot.py at 2018-02-16 17:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.05 Mbit/s
95th percentile per-packet one-way delay: 30.716 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 31.179 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.257 ms
Loss rate: 0.29%
```

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

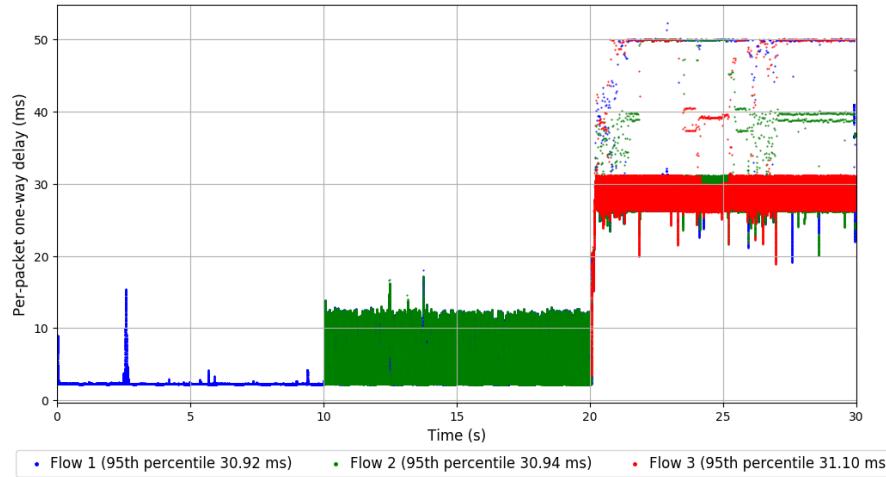
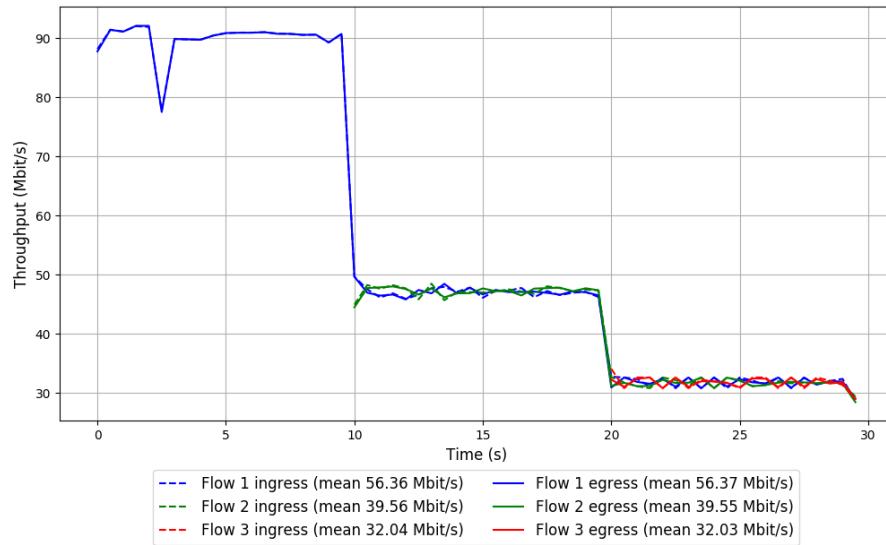


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-16 11:06:40
End at: 2018-02-16 11:07:10
Local clock offset: -4.091 ms
Remote clock offset: -4.147 ms

# Below is generated by plot.py at 2018-02-16 17:37:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 30.994 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 30.923 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 30.940 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.29%
```

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

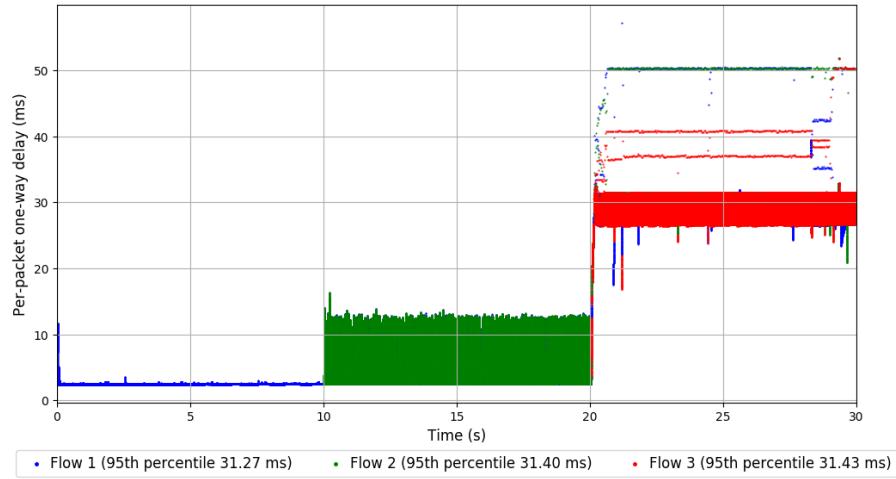
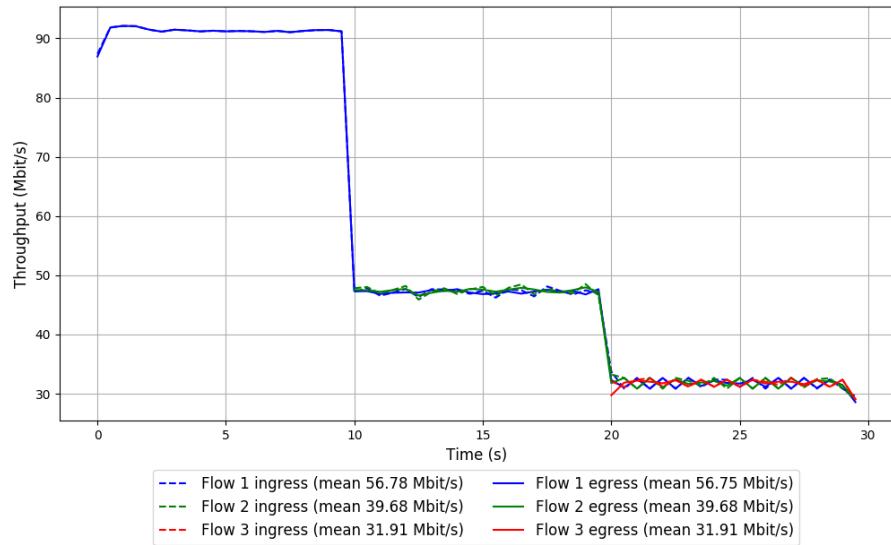


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-16 11:27:05
End at: 2018-02-16 11:27:35
Local clock offset: -3.872 ms
Remote clock offset: -4.757 ms

# Below is generated by plot.py at 2018-02-16 17:37:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 31.364 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 31.271 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.404 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 31.432 ms
Loss rate: 0.29%
```

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

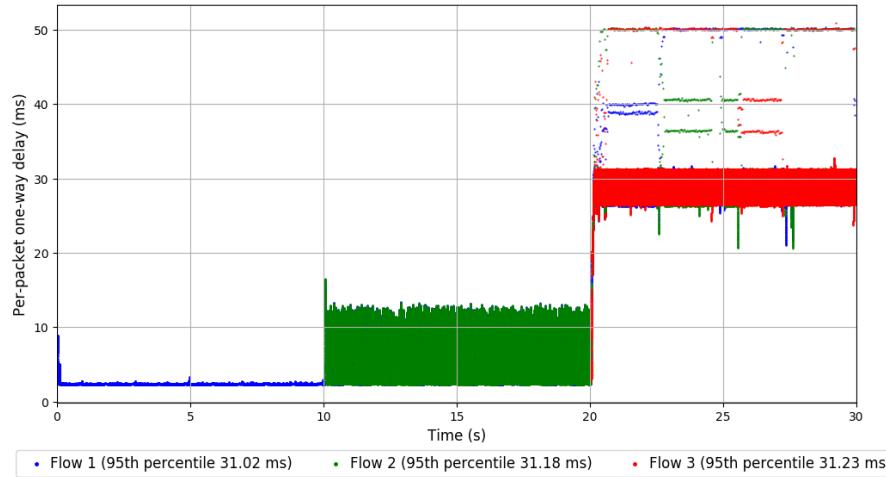
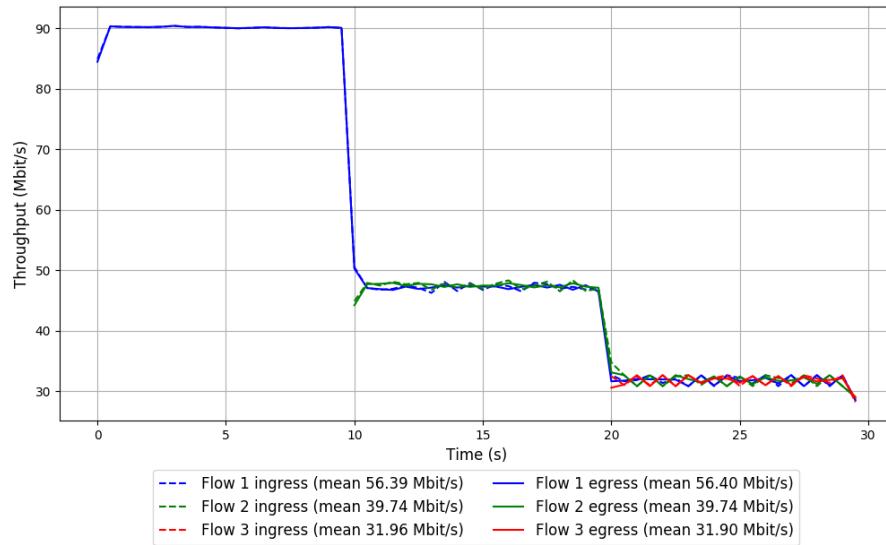


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-16 11:47:32
End at: 2018-02-16 11:48:02
Local clock offset: -6.461 ms
Remote clock offset: -4.91 ms

# Below is generated by plot.py at 2018-02-16 17:37:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.37 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.40 Mbit/s
95th percentile per-packet one-way delay: 31.015 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 31.179 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.234 ms
Loss rate: 0.26%
```

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

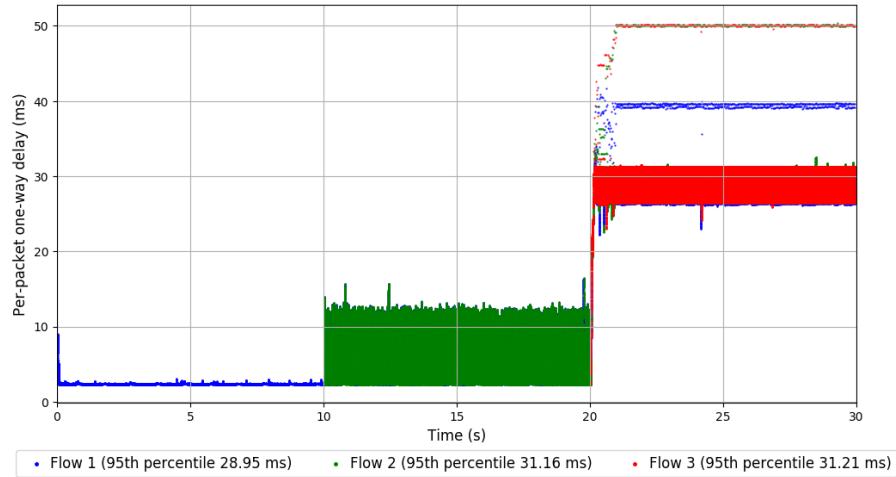
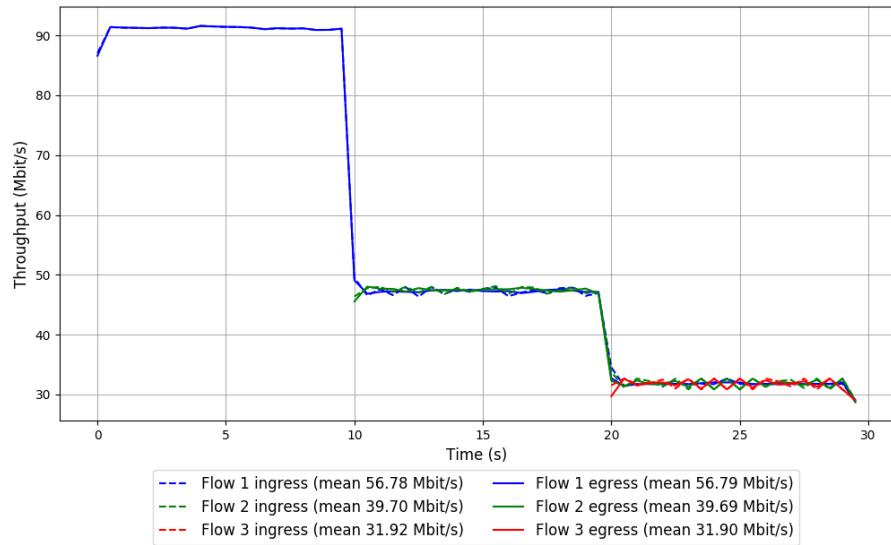


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-16 12:07:56
End at: 2018-02-16 12:08:26
Local clock offset: -6.805 ms
Remote clock offset: -5.228 ms

# Below is generated by plot.py at 2018-02-16 17:37:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 31.107 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 28.951 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.29%
```

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

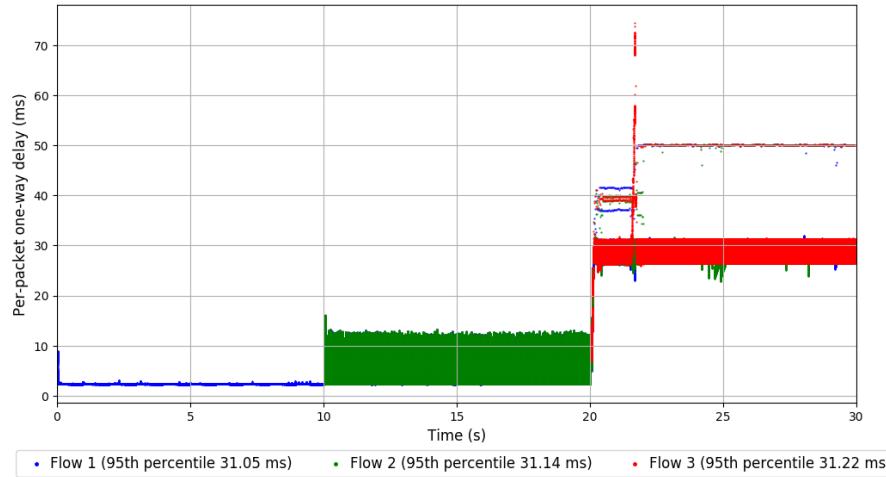
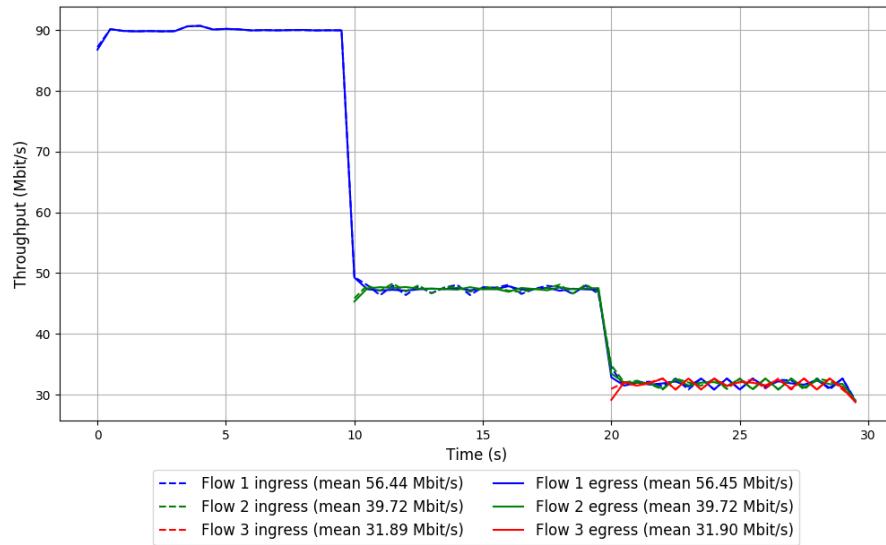


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-16 12:28:22
End at: 2018-02-16 12:28:52
Local clock offset: -6.837 ms
Remote clock offset: -5.283 ms

# Below is generated by plot.py at 2018-02-16 17:37:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 31.051 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 31.138 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.31%
```

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

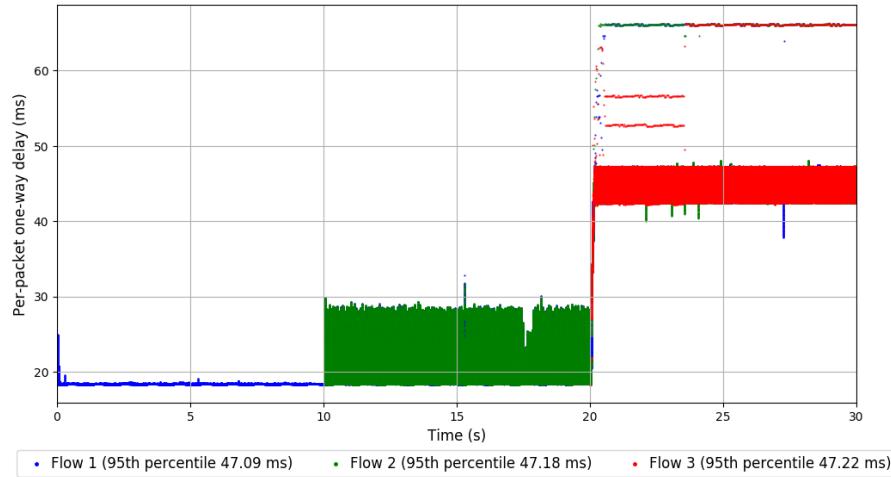
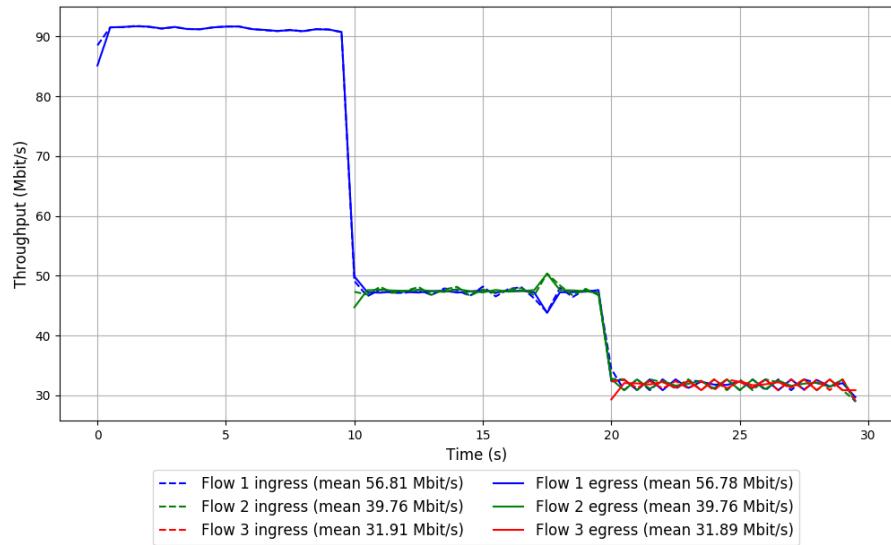


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-16 12:48:48
End at: 2018-02-16 12:49:18
Local clock offset: -7.316 ms
Remote clock offset: -21.332 ms

# Below is generated by plot.py at 2018-02-16 17:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 47.160 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 47.095 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 47.176 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 47.215 ms
Loss rate: 0.29%
```

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

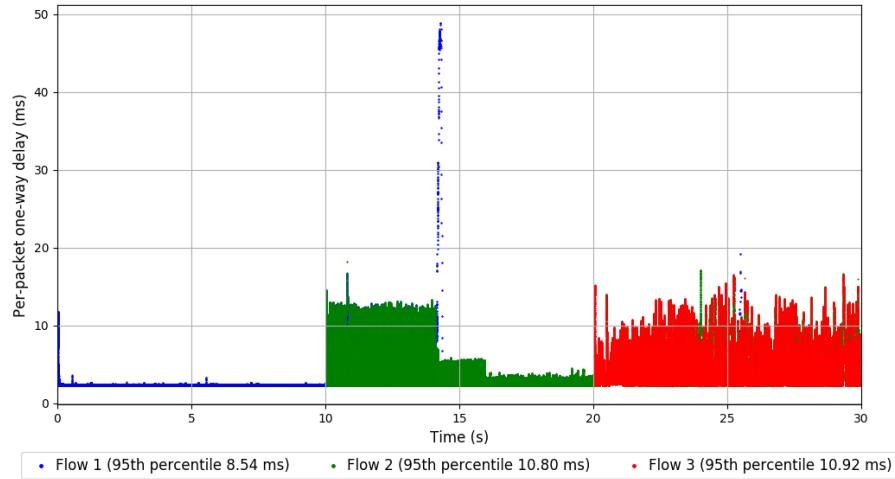
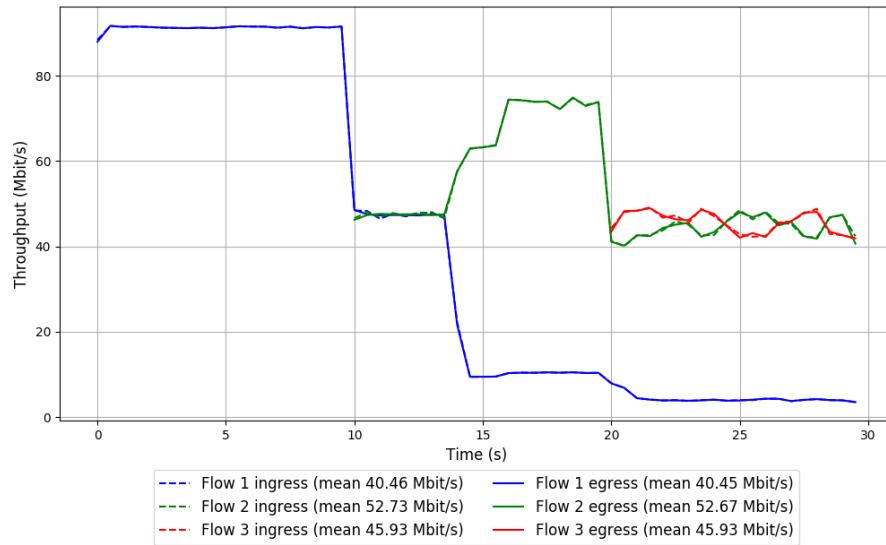


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-16 13:09:12
End at: 2018-02-16 13:09:42
Local clock offset: -7.453 ms
Remote clock offset: -5.756 ms

# Below is generated by plot.py at 2018-02-16 17:38:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 10.227 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 8.539 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 10.804 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 10.919 ms
Loss rate: 0.06%
```

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

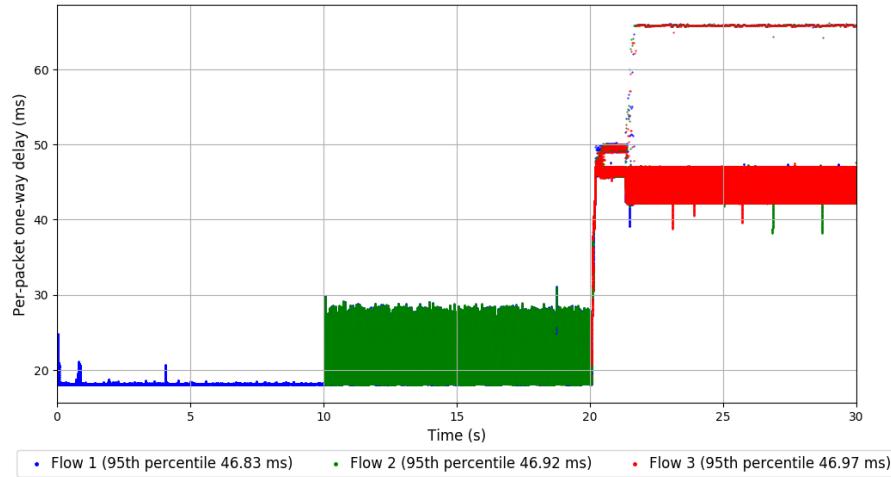
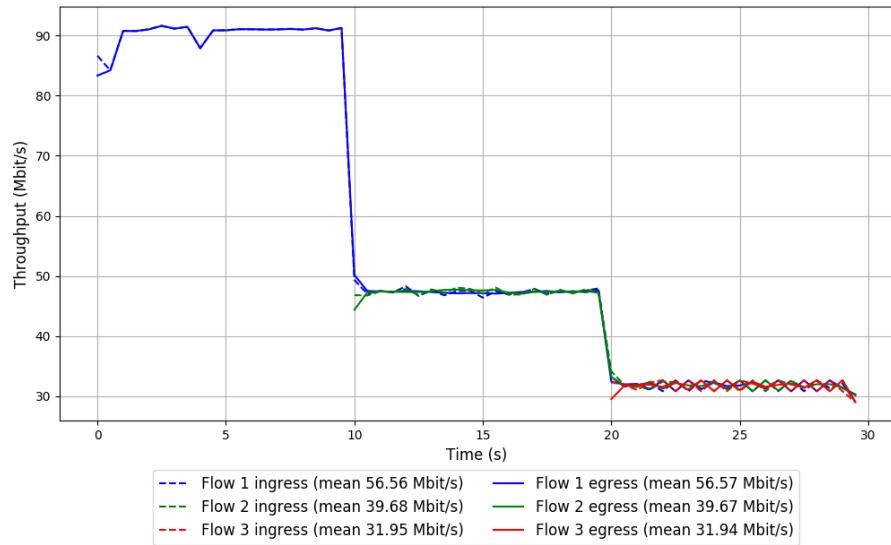


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-16 13:29:36
End at: 2018-02-16 13:30:06
Local clock offset: -7.105 ms
Remote clock offset: -21.329 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 46.907 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 46.832 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 46.918 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 46.973 ms
Loss rate: 0.29%
```

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

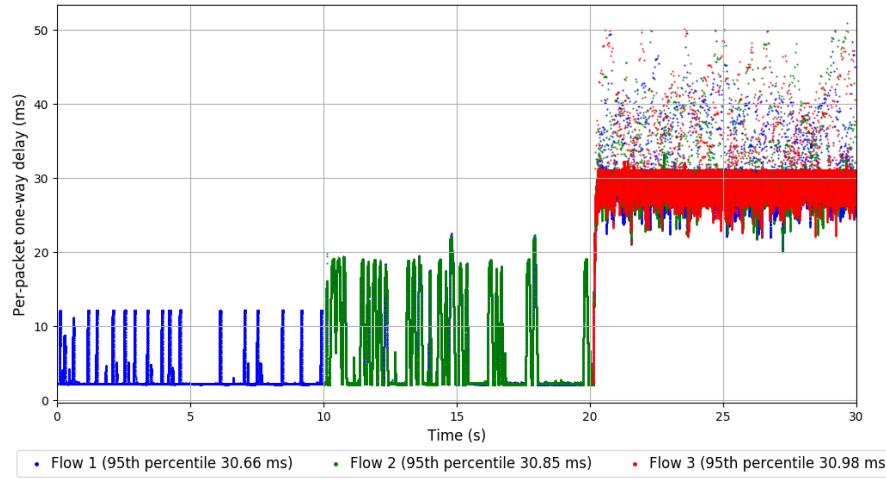
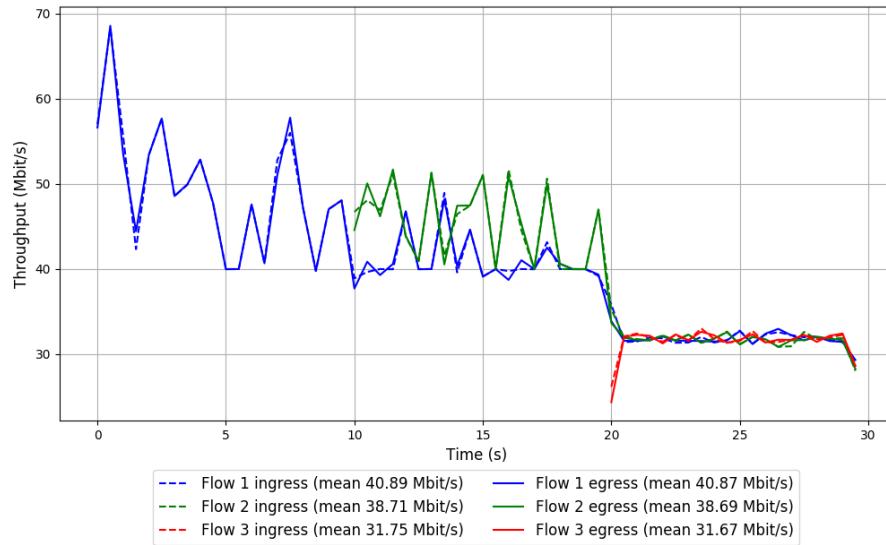


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-16 13:49:58
End at: 2018-02-16 13:50:28
Local clock offset: -5.601 ms
Remote clock offset: -5.515 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 30.866 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 30.663 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 30.976 ms
Loss rate: 0.29%
```

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

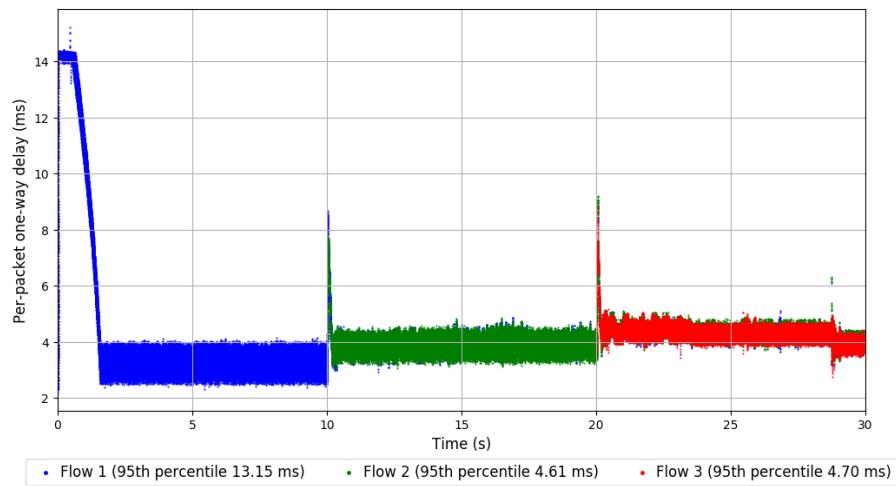
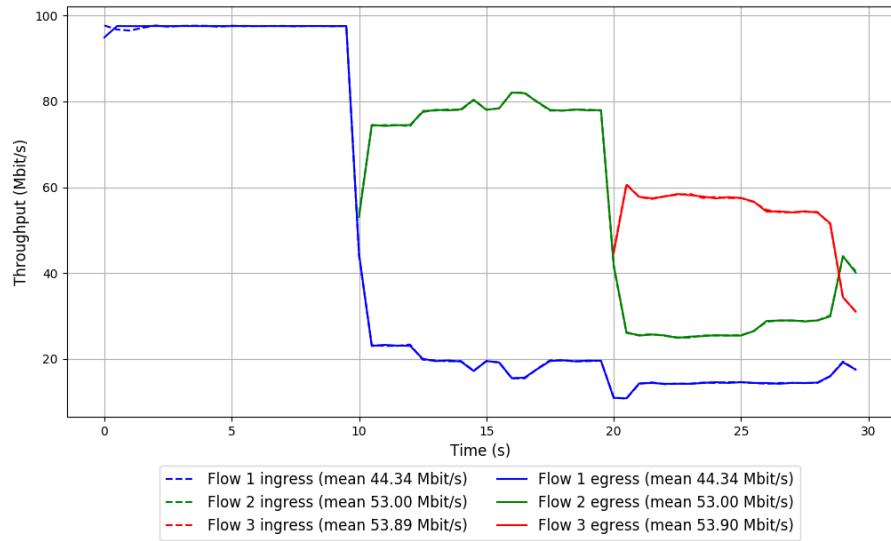


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-16 10:39:23
End at: 2018-02-16 10:39:53
Local clock offset: -8.739 ms
Remote clock offset: -4.536 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 6.125 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 13.147 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 4.609 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 4.697 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Vegas — Data Link

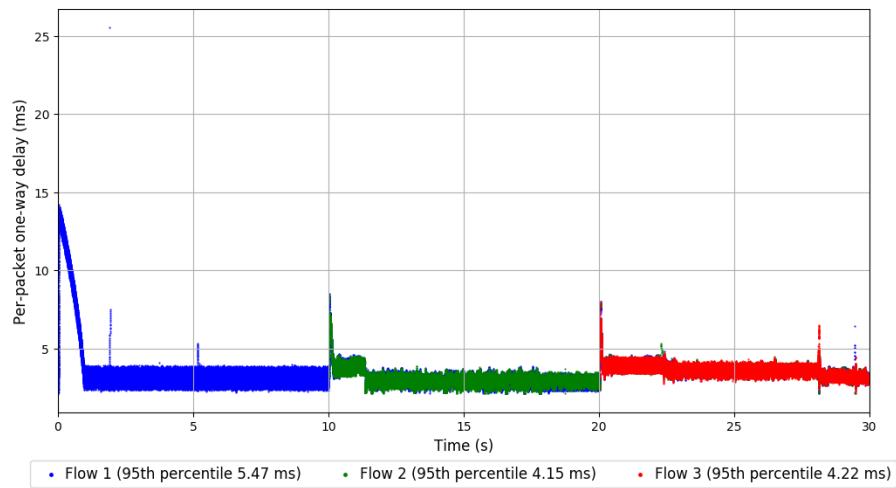
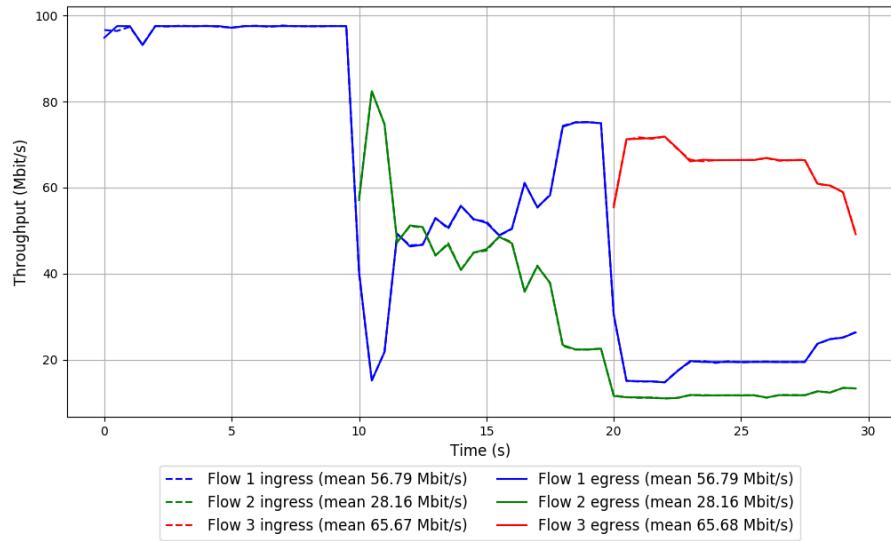


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-16 10:59:51
End at: 2018-02-16 11:00:21
Local clock offset: -5.279 ms
Remote clock offset: -4.249 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 4.261 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 5.475 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.16 Mbit/s
95th percentile per-packet one-way delay: 4.148 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 65.68 Mbit/s
95th percentile per-packet one-way delay: 4.217 ms
Loss rate: 0.04%
```

Run 2: Report of TCP Vegas — Data Link

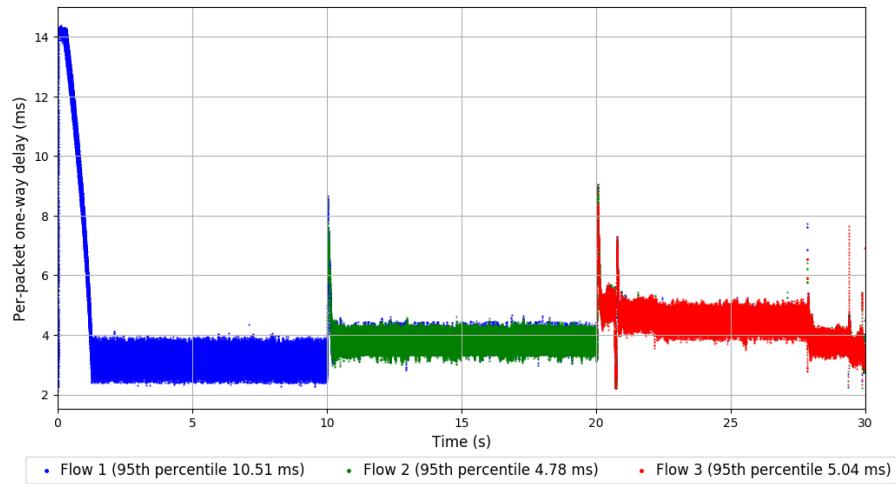
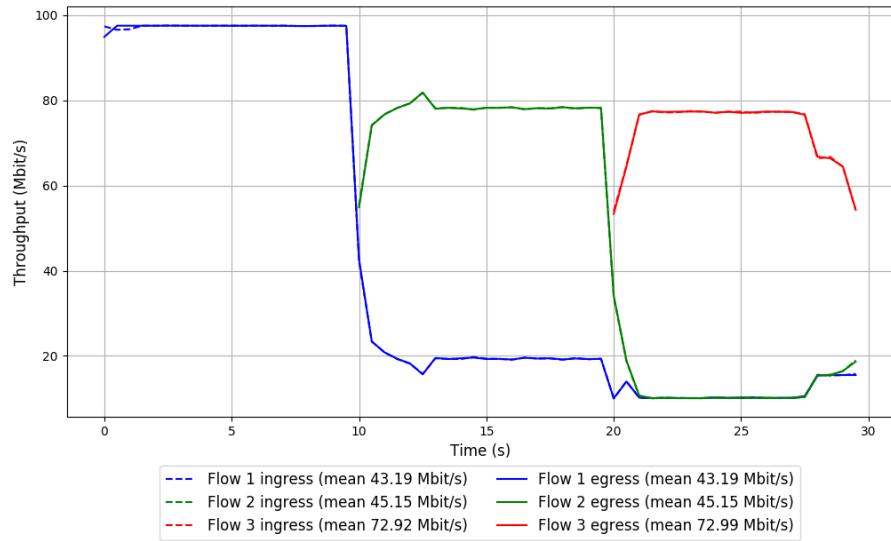


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-16 11:20:16
End at: 2018-02-16 11:20:46
Local clock offset: -2.941 ms
Remote clock offset: -4.638 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 5.230 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 10.513 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 4.784 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 72.99 Mbit/s
95th percentile per-packet one-way delay: 5.038 ms
Loss rate: 0.04%
```

Run 3: Report of TCP Vegas — Data Link

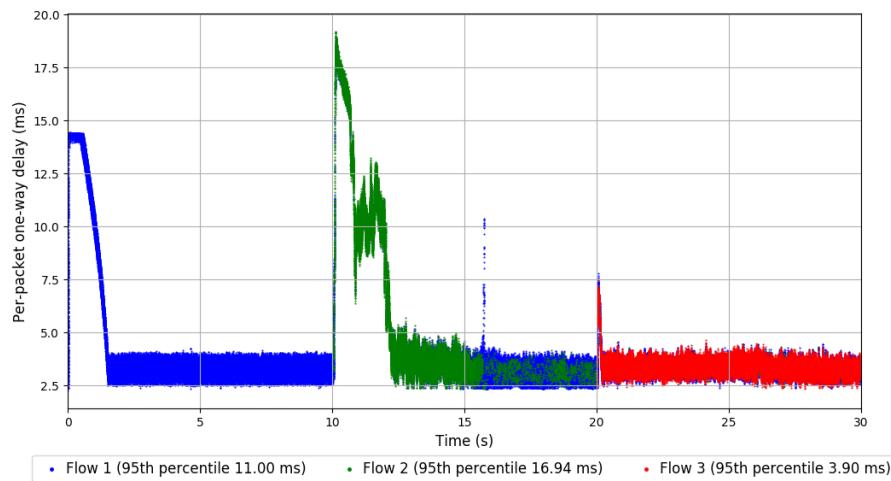
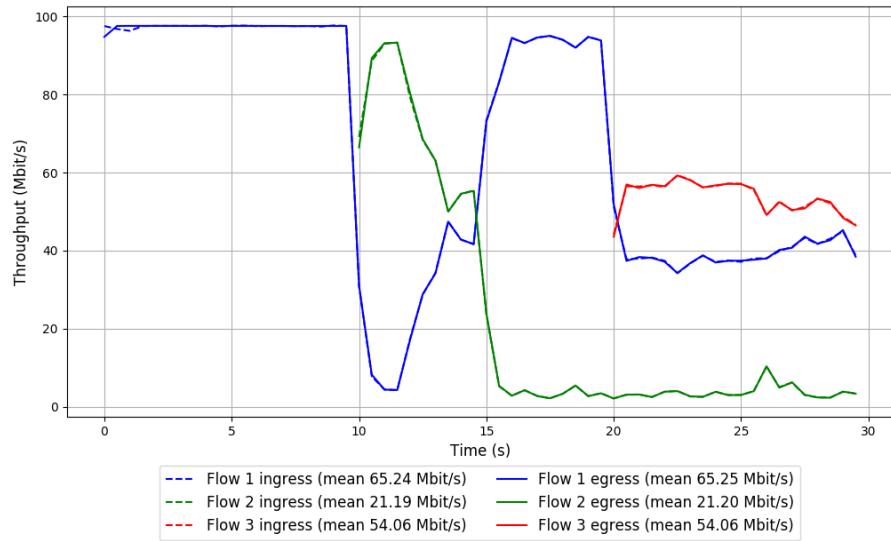


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-16 11:40:43
End at: 2018-02-16 11:41:13
Local clock offset: -6.122 ms
Remote clock offset: -4.694 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 12.140 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 65.25 Mbit/s
95th percentile per-packet one-way delay: 10.997 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 16.937 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.06%
```

Run 4: Report of TCP Vegas — Data Link

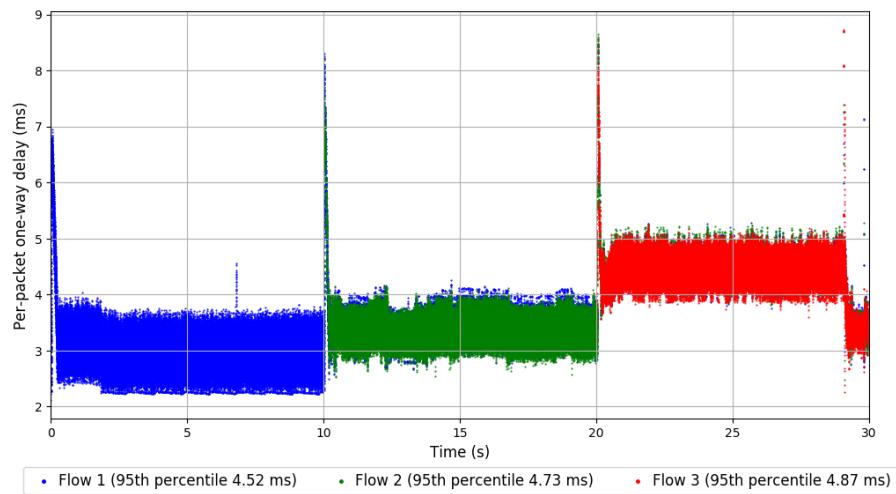
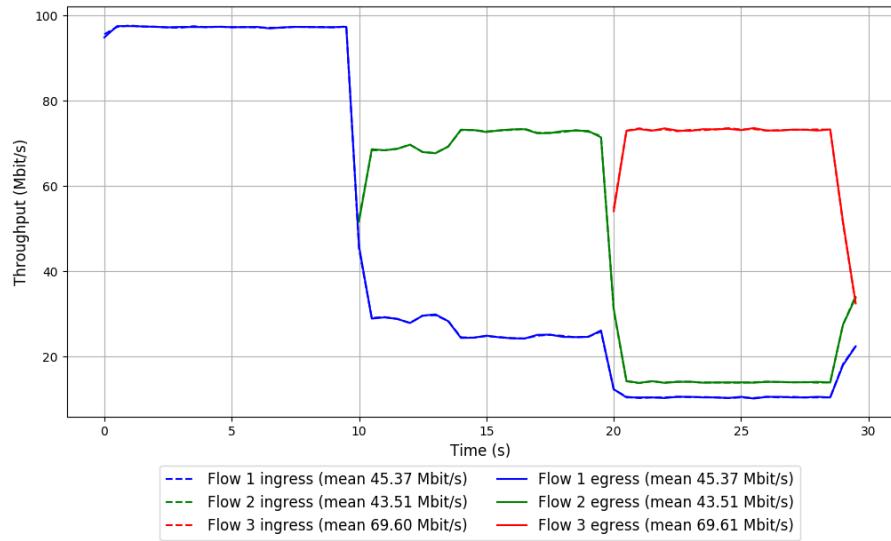


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-16 12:01:07
End at: 2018-02-16 12:01:37
Local clock offset: -6.813 ms
Remote clock offset: -5.127 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 4.788 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 4.731 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 69.61 Mbit/s
95th percentile per-packet one-way delay: 4.868 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

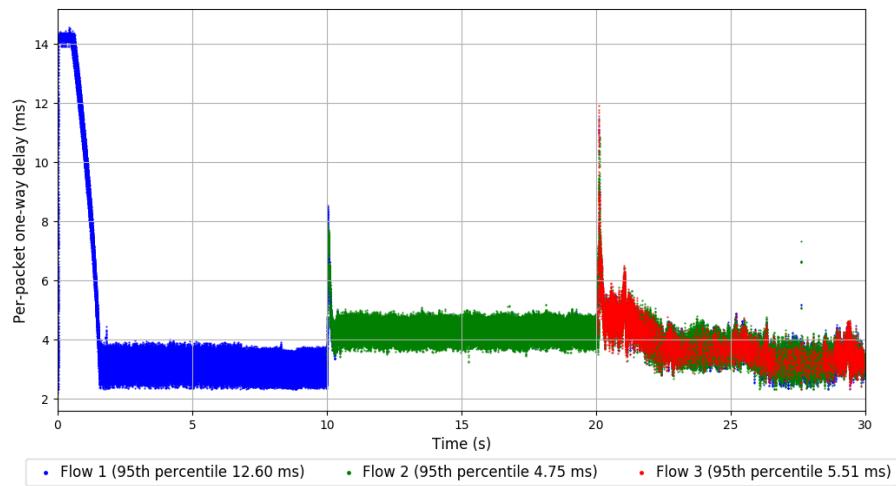
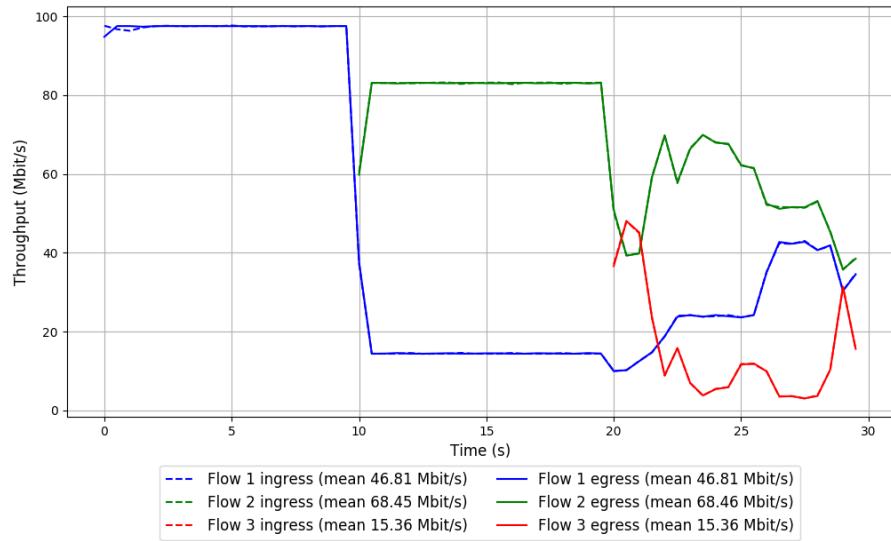


Run 6: Statistics of TCP Vegas

```
Start at: 2018-02-16 12:21:33
End at: 2018-02-16 12:22:03
Local clock offset: -6.807 ms
Remote clock offset: -5.243 ms

# Below is generated by plot.py at 2018-02-16 17:39:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 6.184 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 12.596 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 4.745 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 5.514 ms
Loss rate: 0.03%
```

Run 6: Report of TCP Vegas — Data Link

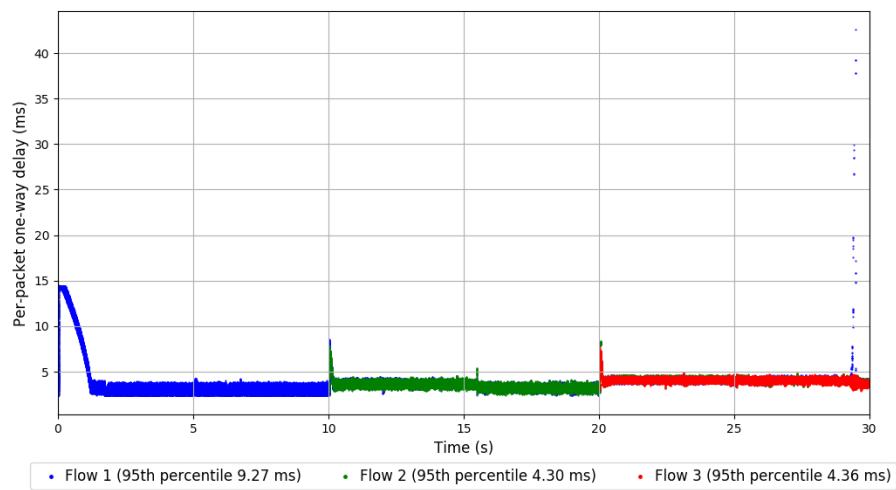
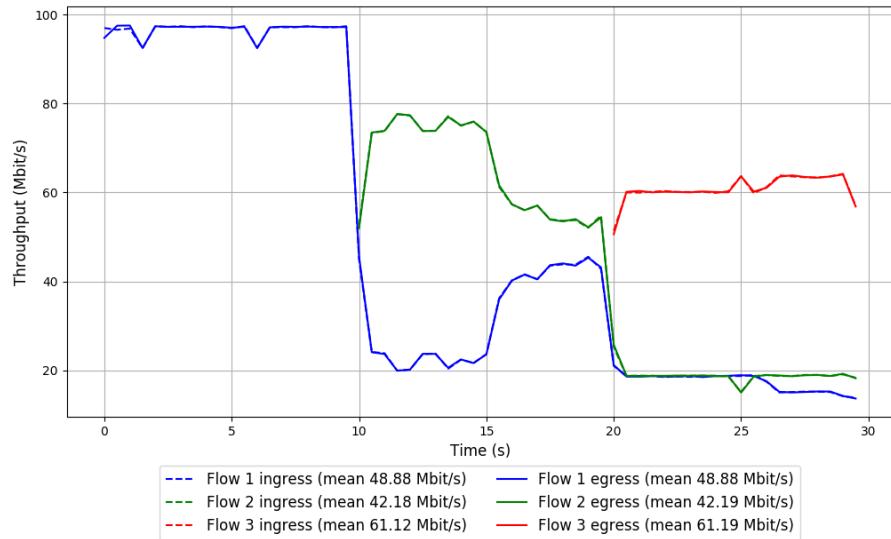


Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-16 12:41:58
End at: 2018-02-16 12:42:28
Local clock offset: -7.222 ms
Remote clock offset: -5.364 ms

# Below is generated by plot.py at 2018-02-16 17:40:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 4.447 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 9.267 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 4.303 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 4.358 ms
Loss rate: 0.06%
```

Run 7: Report of TCP Vegas — Data Link

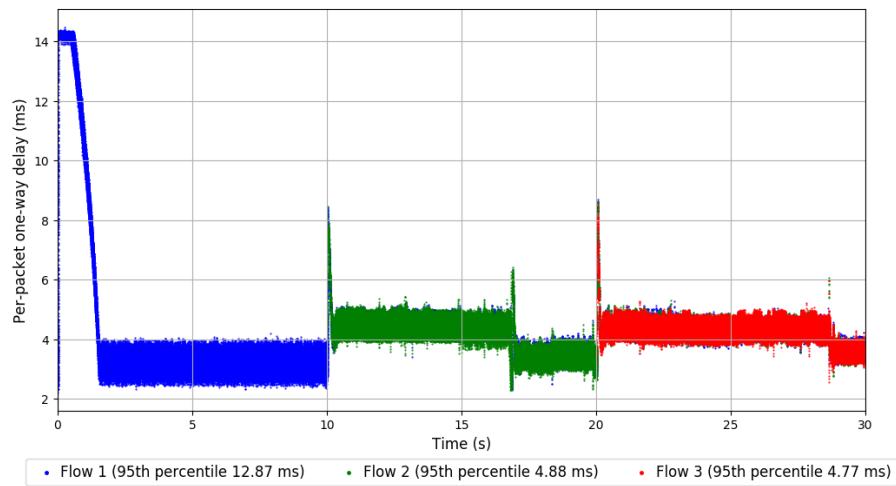
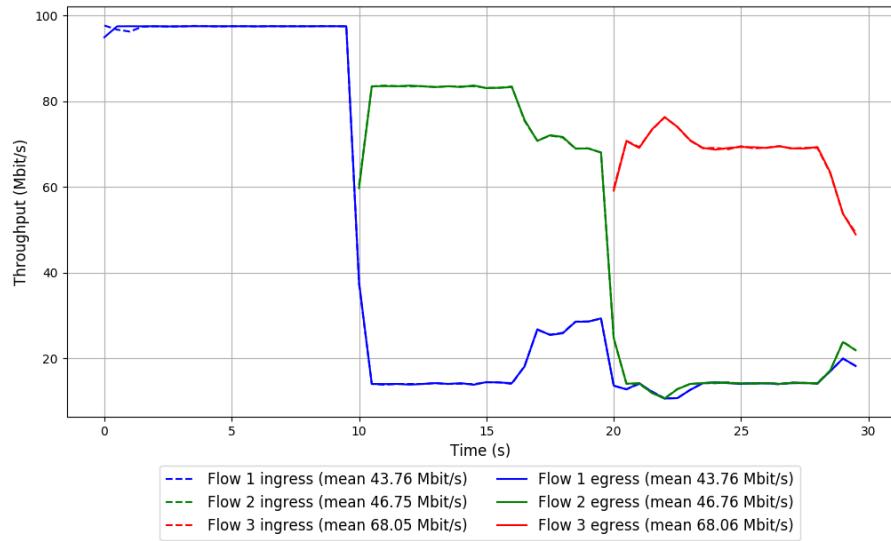


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-16 13:02:25
End at: 2018-02-16 13:02:55
Local clock offset: -7.547 ms
Remote clock offset: -5.654 ms

# Below is generated by plot.py at 2018-02-16 17:40:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.911 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.76 Mbit/s
95th percentile per-packet one-way delay: 12.873 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 4.879 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 4.774 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Vegas — Data Link

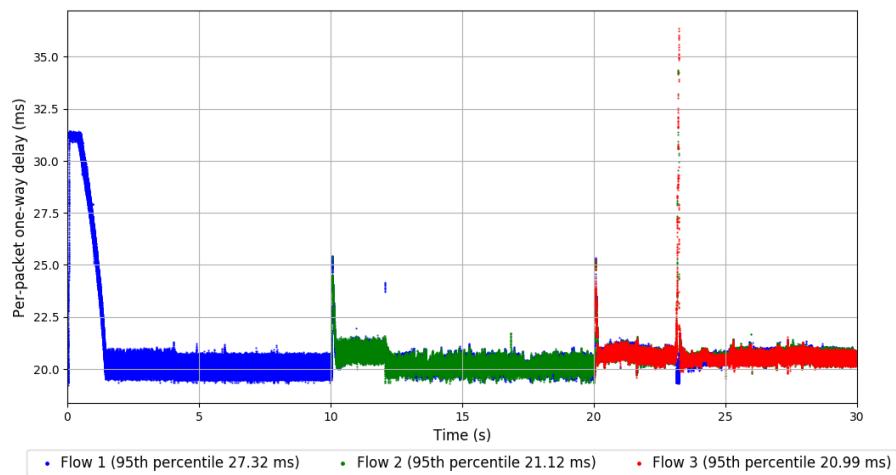
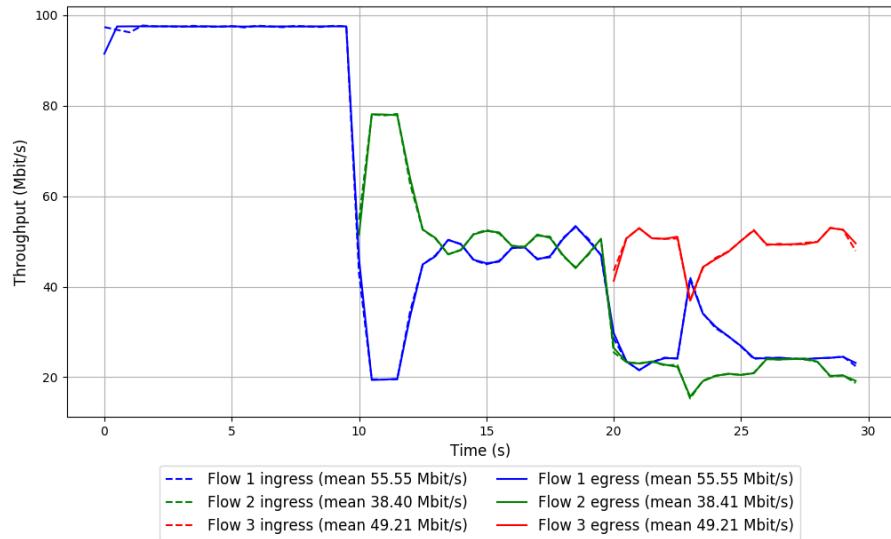


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-16 13:22:46
End at: 2018-02-16 13:23:16
Local clock offset: -7.118 ms
Remote clock offset: -22.807 ms

# Below is generated by plot.py at 2018-02-16 17:40:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 21.908 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 27.317 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.41 Mbit/s
95th percentile per-packet one-way delay: 21.125 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 20.990 ms
Loss rate: 0.06%
```

Run 9: Report of TCP Vegas — Data Link

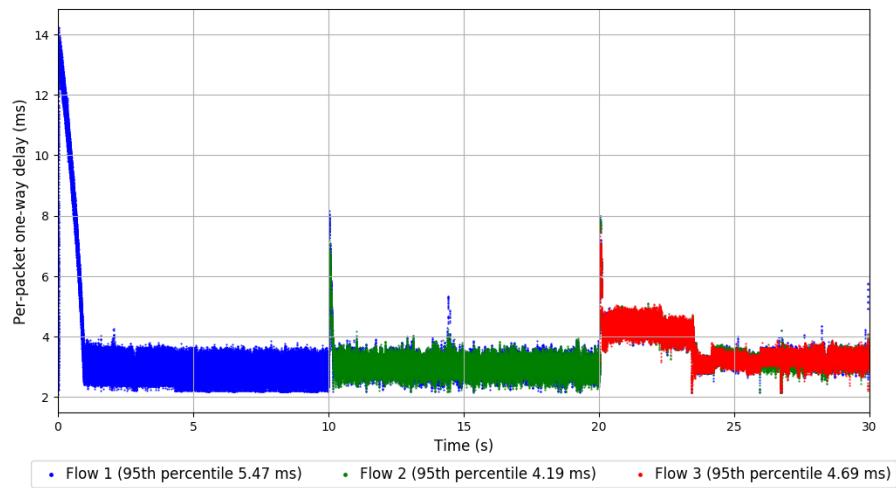
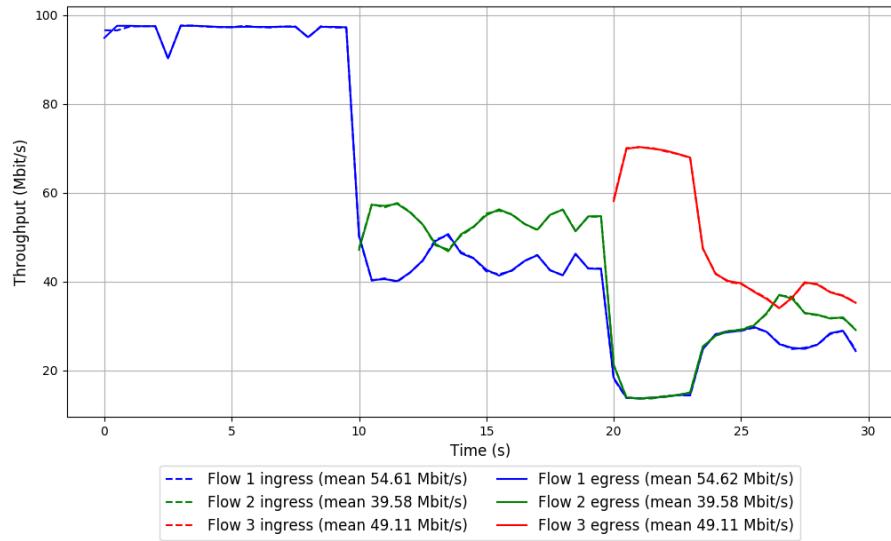


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-16 13:43:07
End at: 2018-02-16 13:43:37
Local clock offset: -6.577 ms
Remote clock offset: -5.478 ms

# Below is generated by plot.py at 2018-02-16 17:40:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 4.621 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.62 Mbit/s
95th percentile per-packet one-way delay: 5.470 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 4.189 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 4.687 ms
Loss rate: 0.05%
```

Run 10: Report of TCP Vegas — Data Link

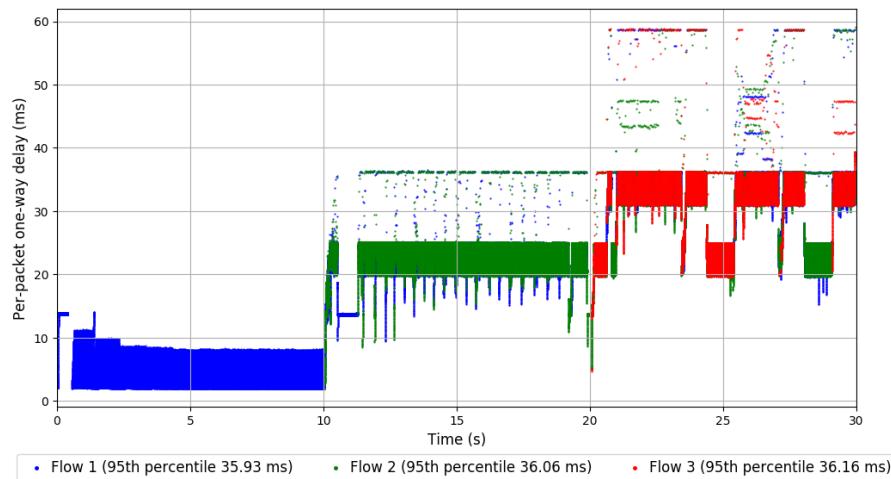
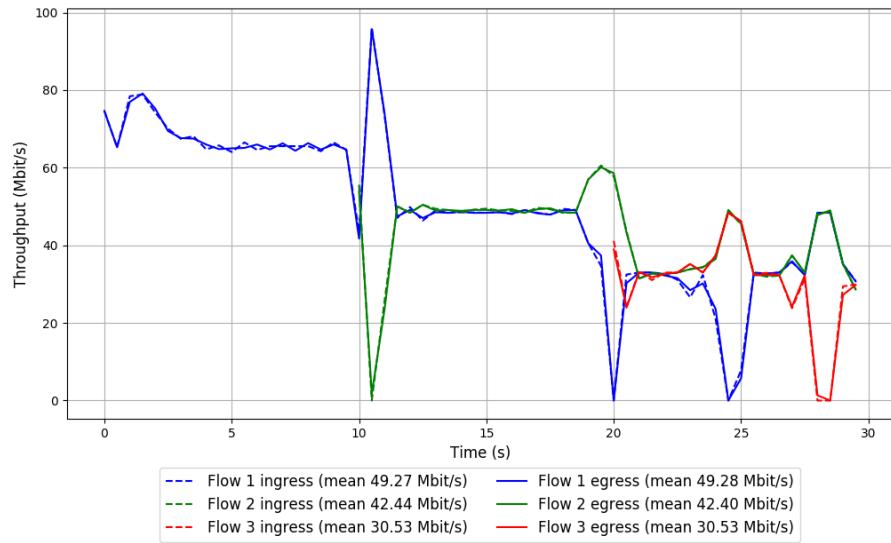


Run 1: Statistics of Verus

```
Start at: 2018-02-16 10:50:51
End at: 2018-02-16 10:51:21
Local clock offset: -8.555 ms
Remote clock offset: -4.385 ms

# Below is generated by plot.py at 2018-02-16 17:40:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 36.077 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 35.934 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.40 Mbit/s
95th percentile per-packet one-way delay: 36.057 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 36.156 ms
Loss rate: 0.38%
```

Run 1: Report of Verus — Data Link

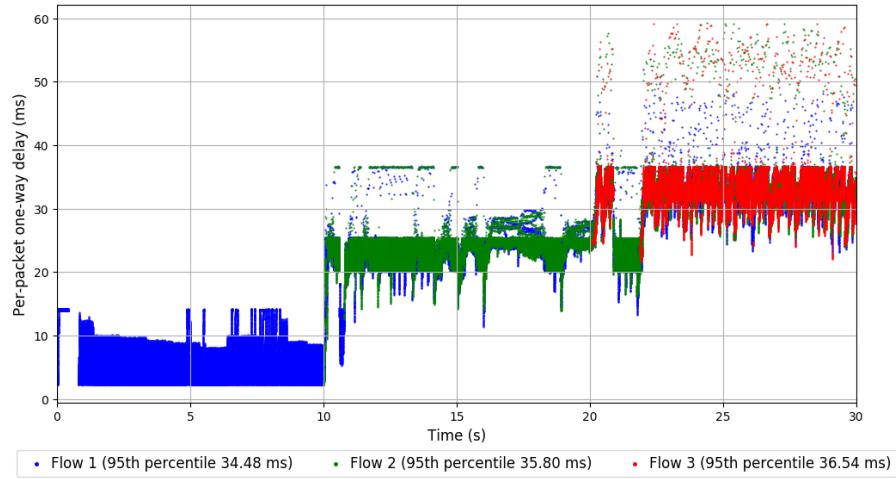
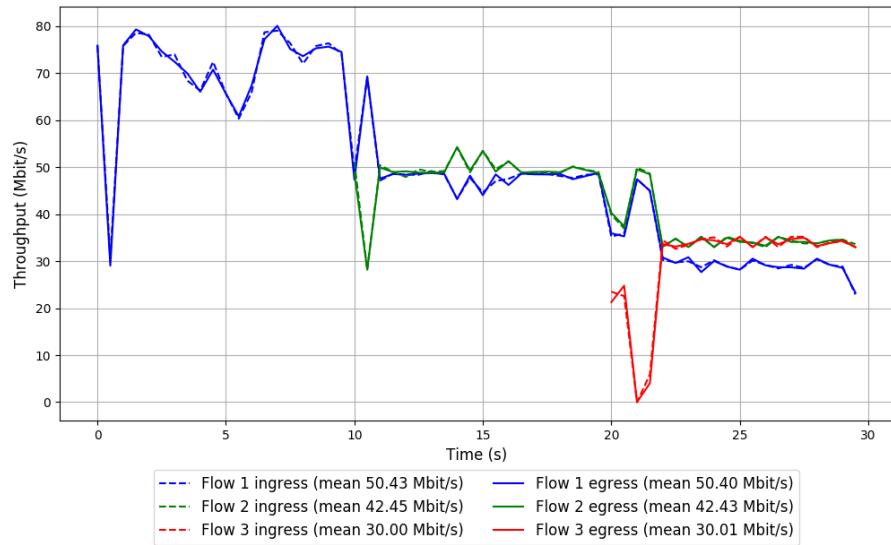


Run 2: Statistics of Verus

```
Start at: 2018-02-16 11:11:17
End at: 2018-02-16 11:11:47
Local clock offset: -3.648 ms
Remote clock offset: -4.446 ms

# Below is generated by plot.py at 2018-02-16 17:40:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 35.628 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 34.475 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 35.801 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 36.540 ms
Loss rate: 0.38%
```

Run 2: Report of Verus — Data Link

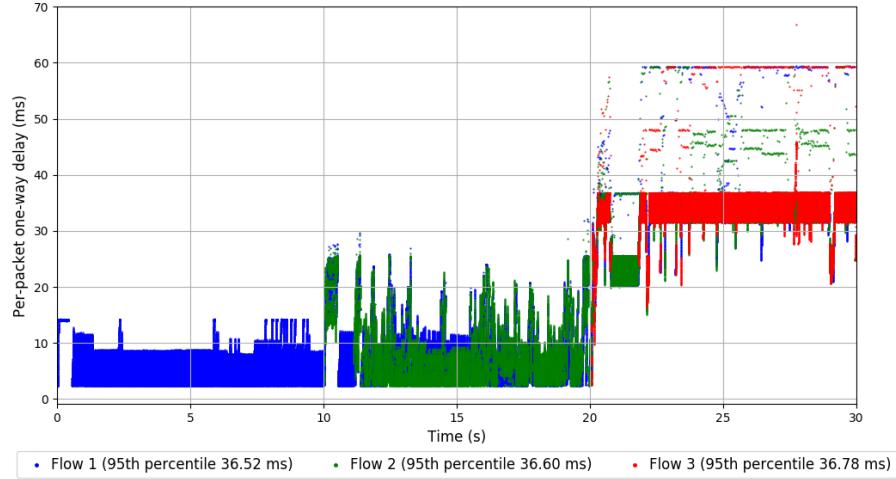
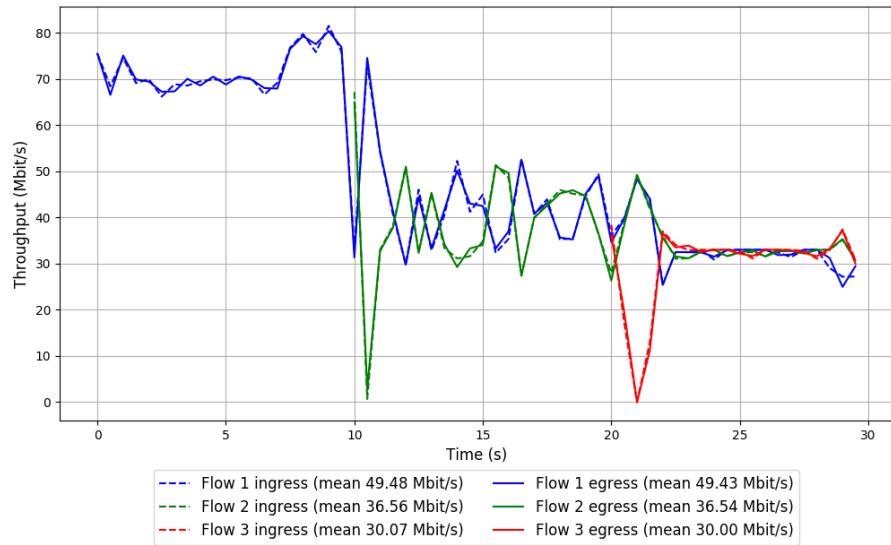


Run 3: Statistics of Verus

```
Start at: 2018-02-16 11:31:42
End at: 2018-02-16 11:32:12
Local clock offset: -5.069 ms
Remote clock offset: -4.72 ms

# Below is generated by plot.py at 2018-02-16 17:40:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 36.678 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 36.524 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 36.602 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 36.780 ms
Loss rate: 0.51%
```

Run 3: Report of Verus — Data Link

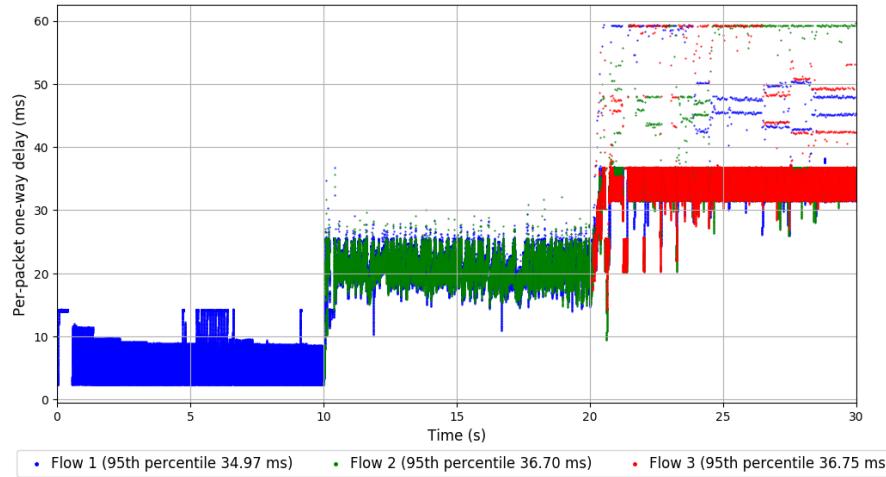
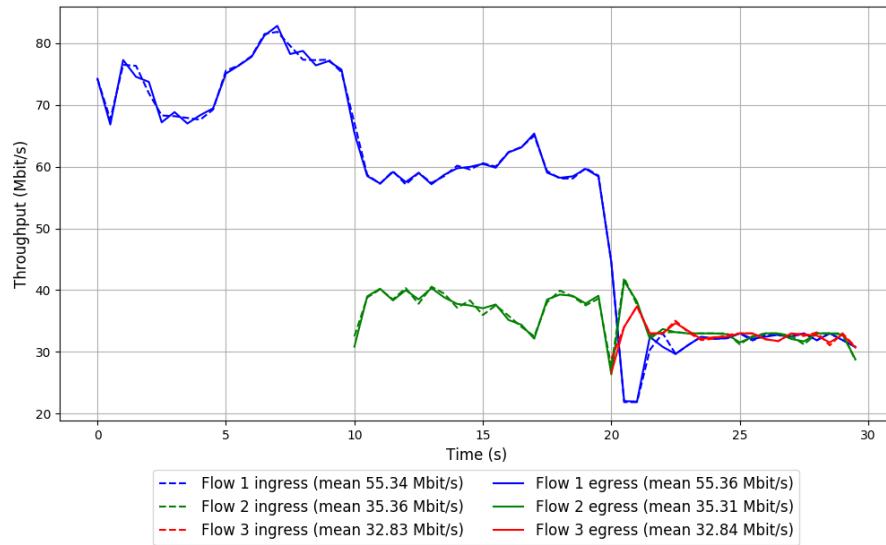


Run 4: Statistics of Verus

```
Start at: 2018-02-16 11:52:11
End at: 2018-02-16 11:52:41
Local clock offset: -6.638 ms
Remote clock offset: -5.1 ms

# Below is generated by plot.py at 2018-02-16 17:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 36.648 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 34.970 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 36.701 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 36.747 ms
Loss rate: 0.36%
```

Run 4: Report of Verus — Data Link

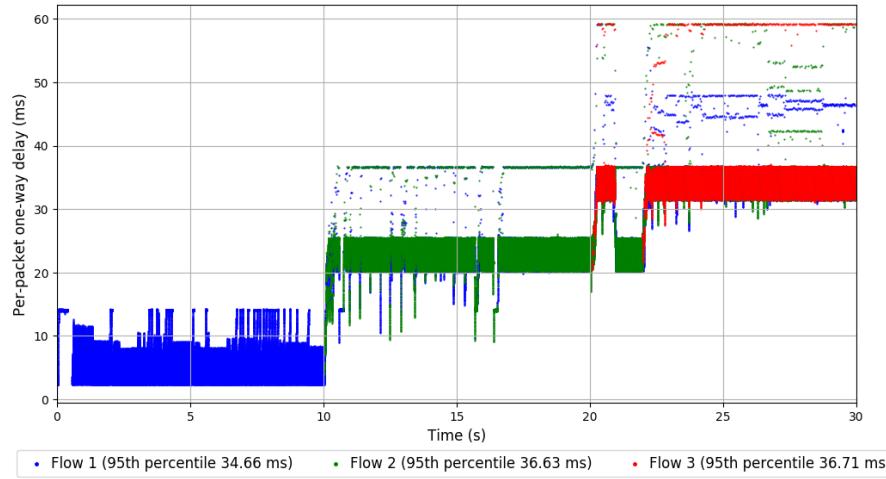
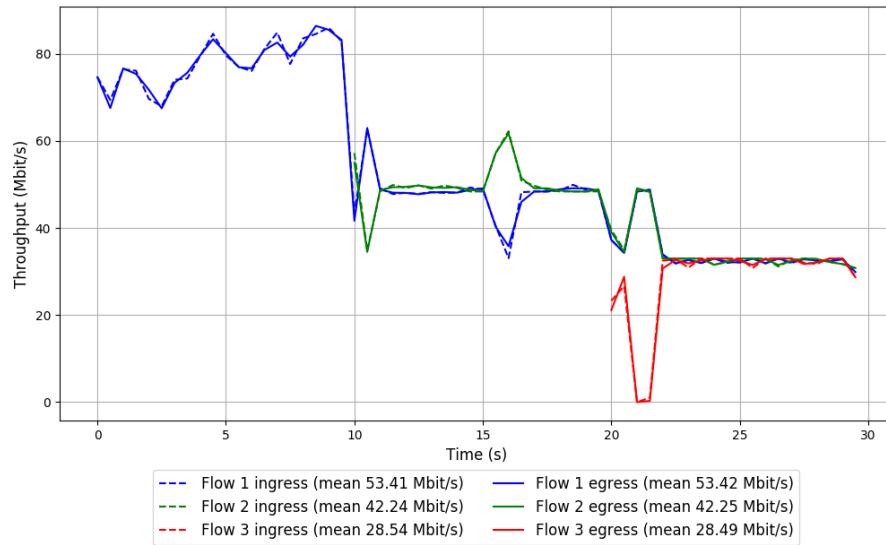


Run 5: Statistics of Verus

```
Start at: 2018-02-16 12:12:34
End at: 2018-02-16 12:13:04
Local clock offset: -6.785 ms
Remote clock offset: -5.209 ms

# Below is generated by plot.py at 2018-02-16 17:41:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 36.602 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 34.656 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 36.635 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 36.707 ms
Loss rate: 0.40%
```

Run 5: Report of Verus — Data Link

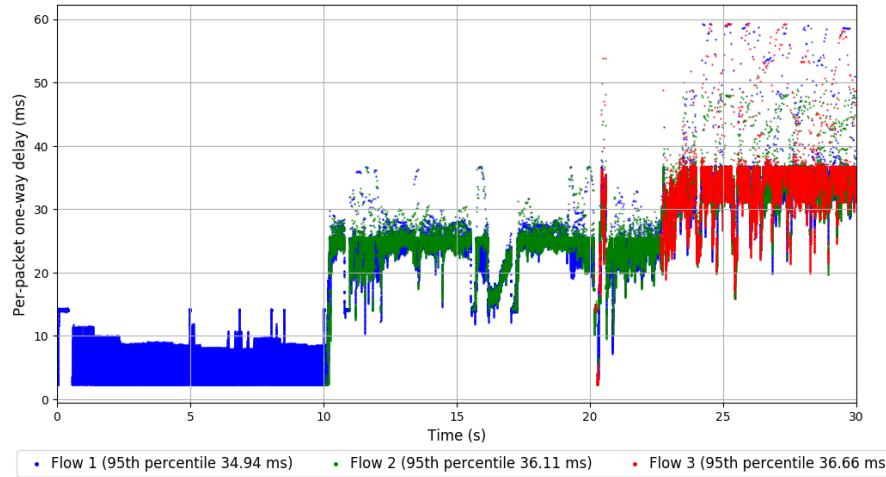
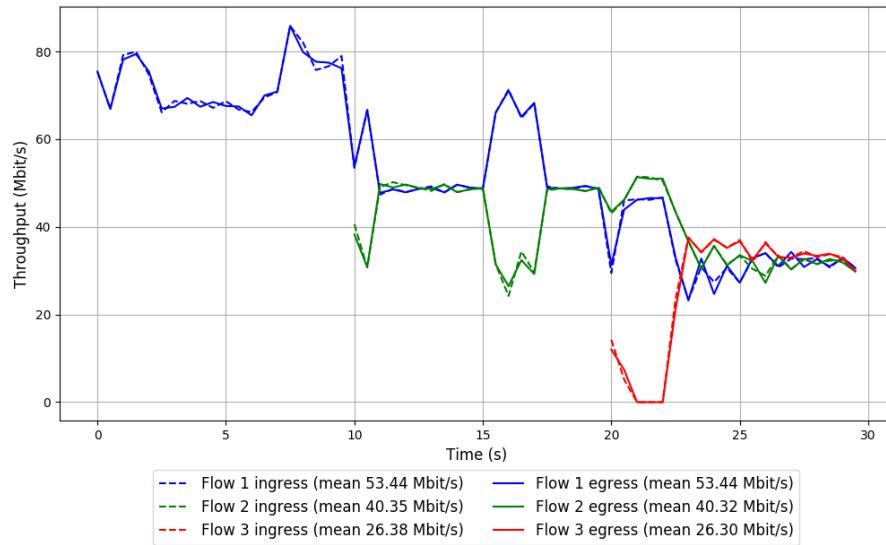


Run 6: Statistics of Verus

```
Start at: 2018-02-16 12:32:59
End at: 2018-02-16 12:33:29
Local clock offset: -6.925 ms
Remote clock offset: -5.311 ms

# Below is generated by plot.py at 2018-02-16 17:41:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 36.076 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.44 Mbit/s
95th percentile per-packet one-way delay: 34.941 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 36.109 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 36.659 ms
Loss rate: 0.52%
```

Run 6: Report of Verus — Data Link

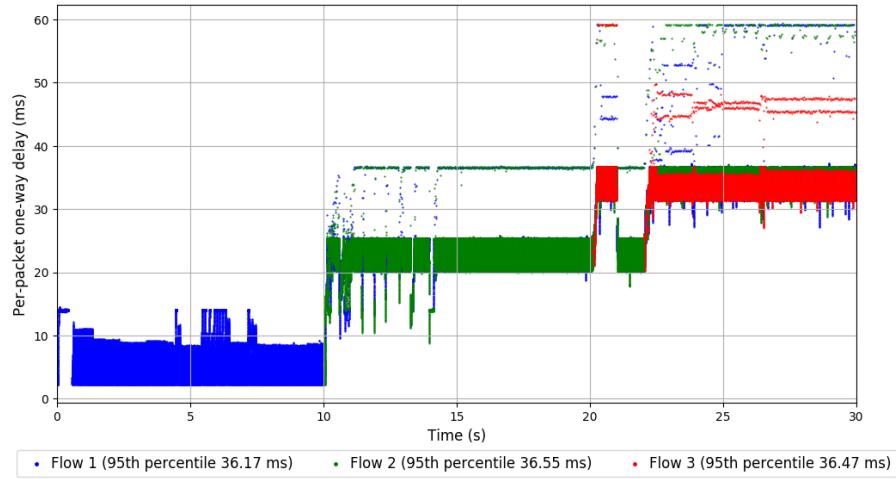
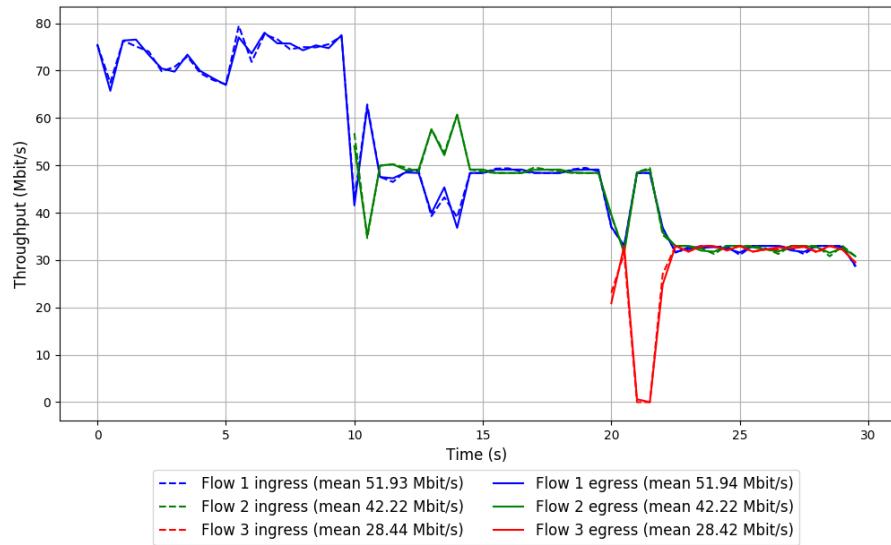


Run 7: Statistics of Verus

```
Start at: 2018-02-16 12:53:25
End at: 2018-02-16 12:53:55
Local clock offset: -7.462 ms
Remote clock offset: -5.462 ms

# Below is generated by plot.py at 2018-02-16 17:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 36.484 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.94 Mbit/s
95th percentile per-packet one-way delay: 36.174 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 36.546 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 36.469 ms
Loss rate: 0.40%
```

Run 7: Report of Verus — Data Link

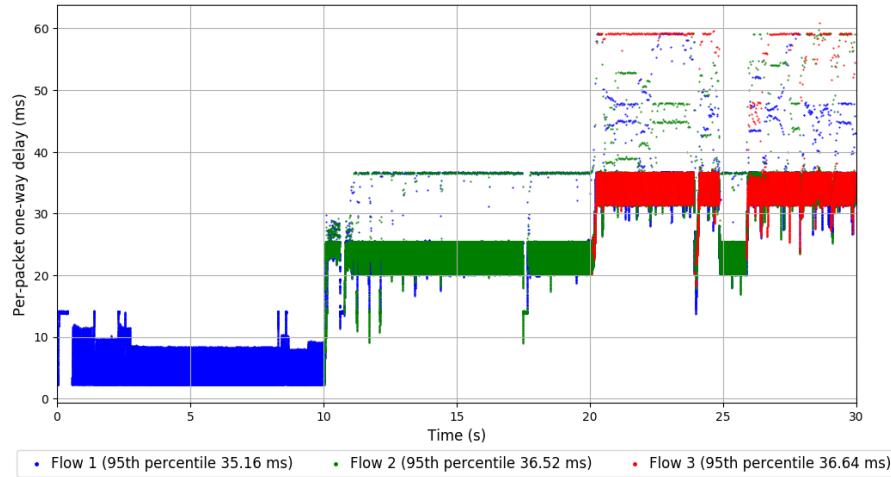
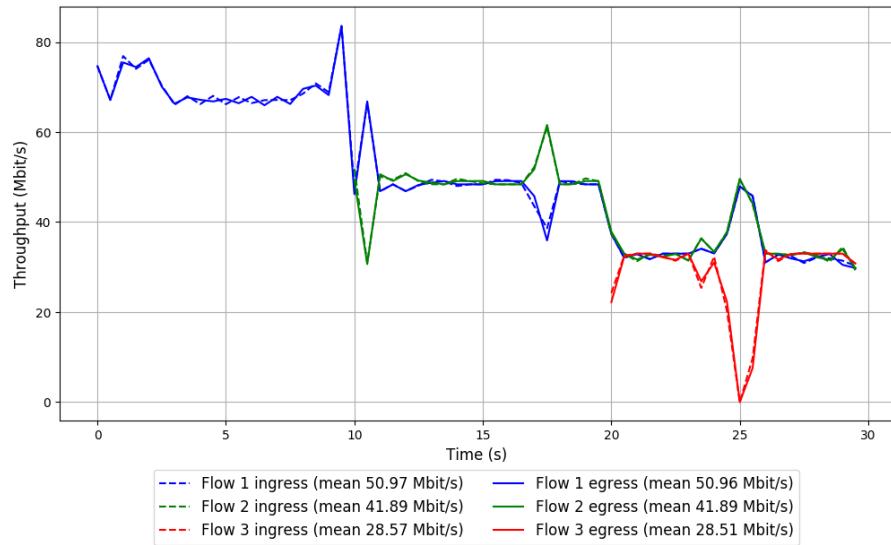


Run 8: Statistics of Verus

```
Start at: 2018-02-16 13:13:49
End at: 2018-02-16 13:14:19
Local clock offset: -7.295 ms
Remote clock offset: -5.803 ms

# Below is generated by plot.py at 2018-02-16 17:41:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 36.522 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: 35.155 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.89 Mbit/s
95th percentile per-packet one-way delay: 36.521 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 36.638 ms
Loss rate: 0.39%
```

Run 8: Report of Verus — Data Link

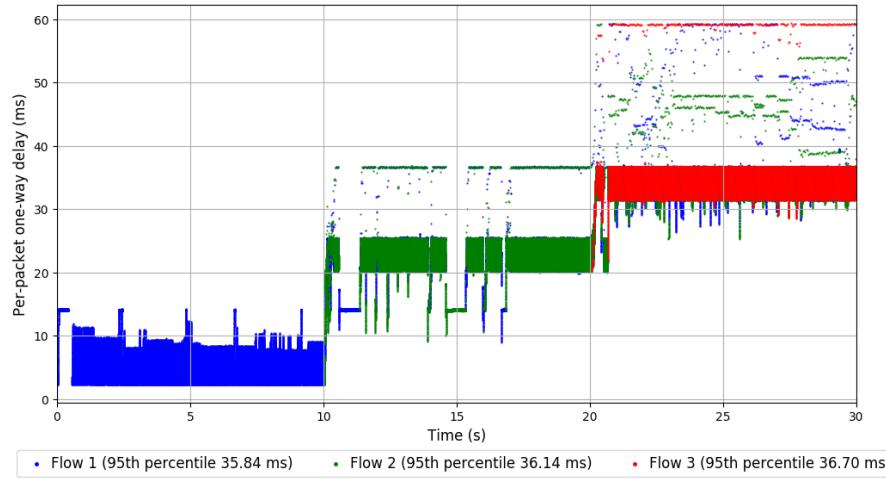
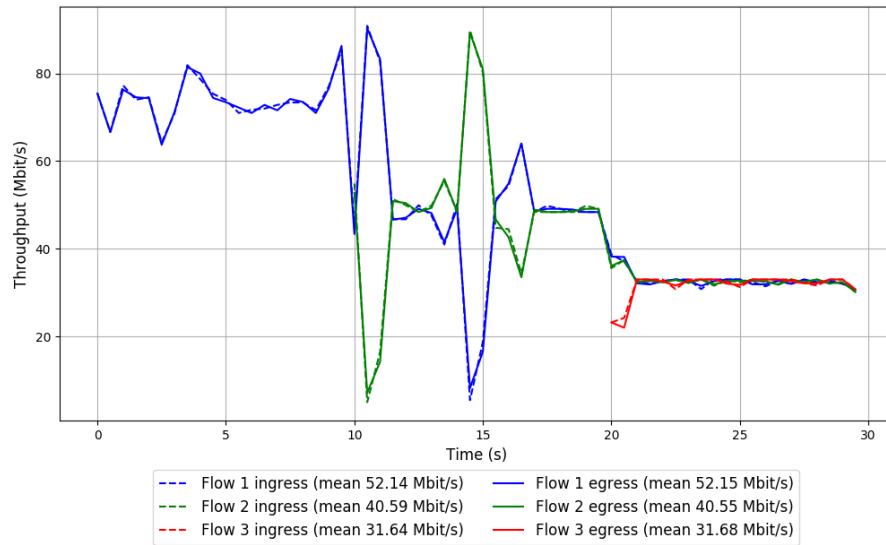


Run 9: Statistics of Verus

```
Start at: 2018-02-16 13:34:10
End at: 2018-02-16 13:34:40
Local clock offset: -7.127 ms
Remote clock offset: -5.505 ms

# Below is generated by plot.py at 2018-02-16 17:41:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 36.601 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.15 Mbit/s
95th percentile per-packet one-way delay: 35.836 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 36.143 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 36.697 ms
Loss rate: 0.37%
```

Run 9: Report of Verus — Data Link

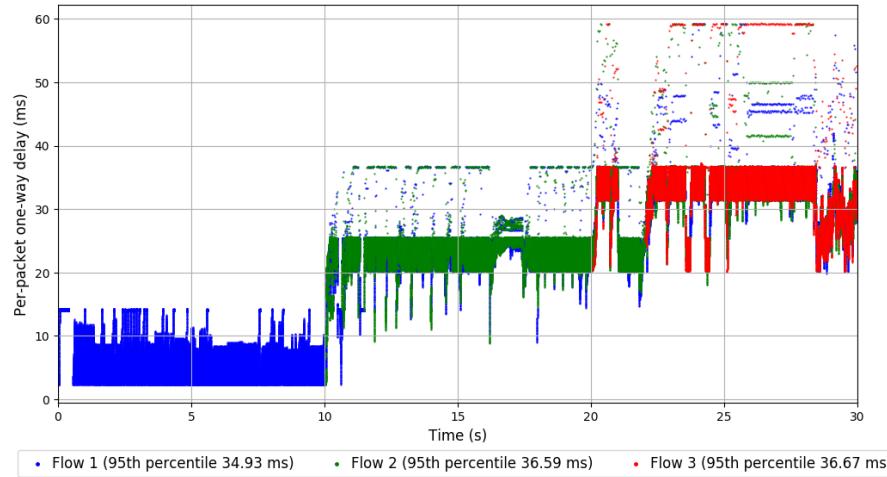
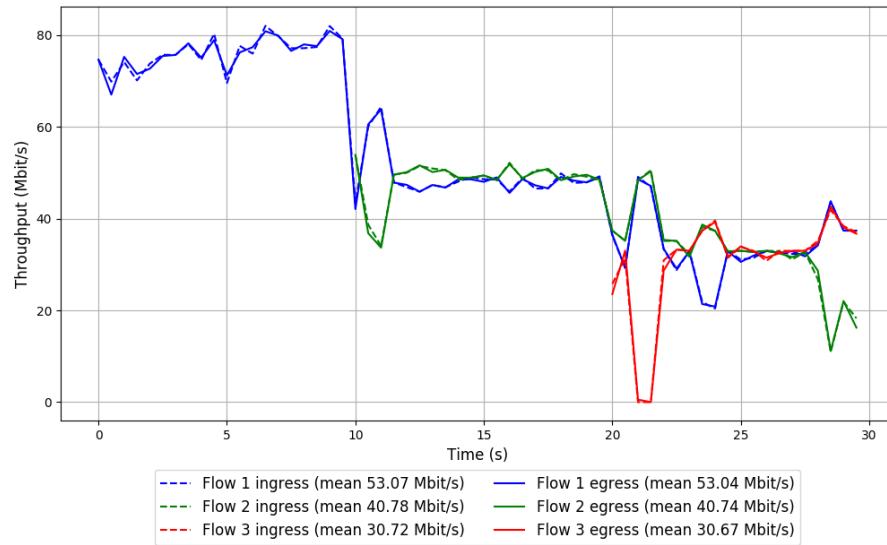


Run 10: Statistics of Verus

```
Start at: 2018-02-16 13:54:34
End at: 2018-02-16 13:55:04
Local clock offset: -5.1 ms
Remote clock offset: -5.606 ms

# Below is generated by plot.py at 2018-02-16 17:42:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 36.543 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 34.926 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 36.589 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 36.672 ms
Loss rate: 0.43%
```

Run 10: Report of Verus — Data Link

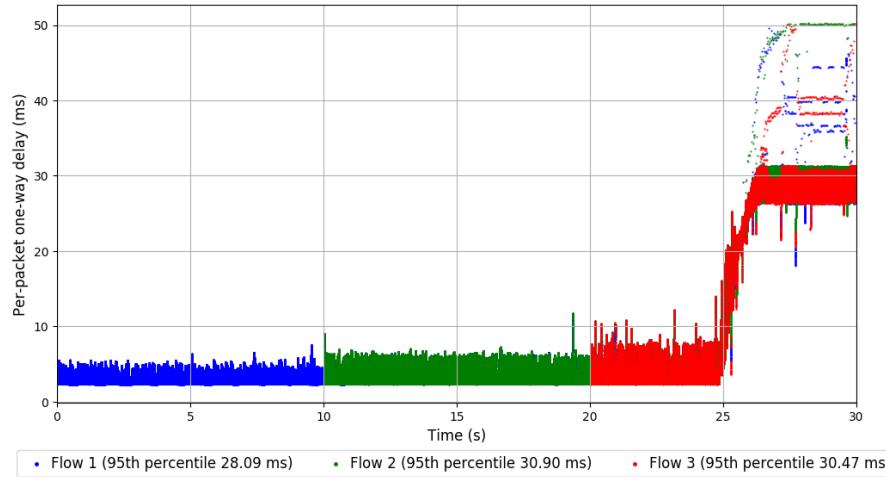
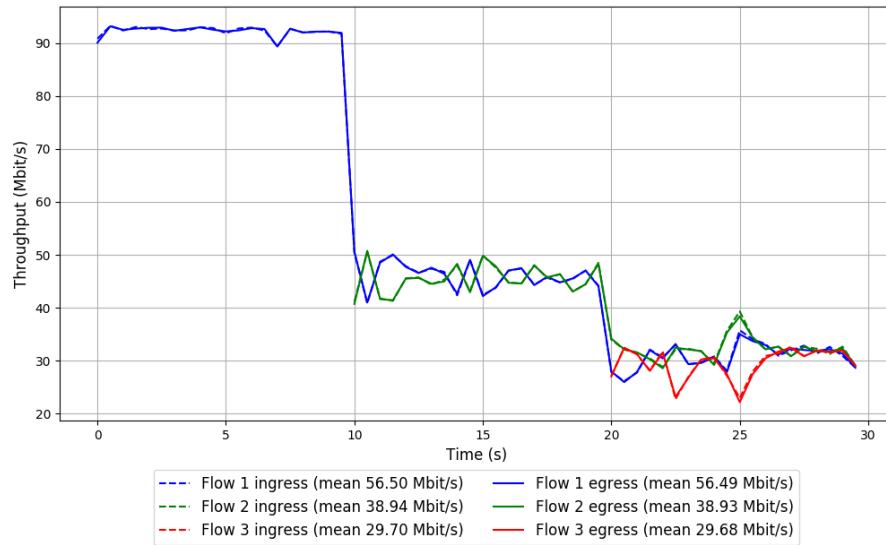


Run 1: Statistics of Copa

```
Start at: 2018-02-16 10:40:32
End at: 2018-02-16 10:41:02
Local clock offset: -8.731 ms
Remote clock offset: -4.529 ms

# Below is generated by plot.py at 2018-02-16 17:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 29.760 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 28.091 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 30.898 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 30.466 ms
Loss rate: 0.31%
```

Run 1: Report of Copa — Data Link

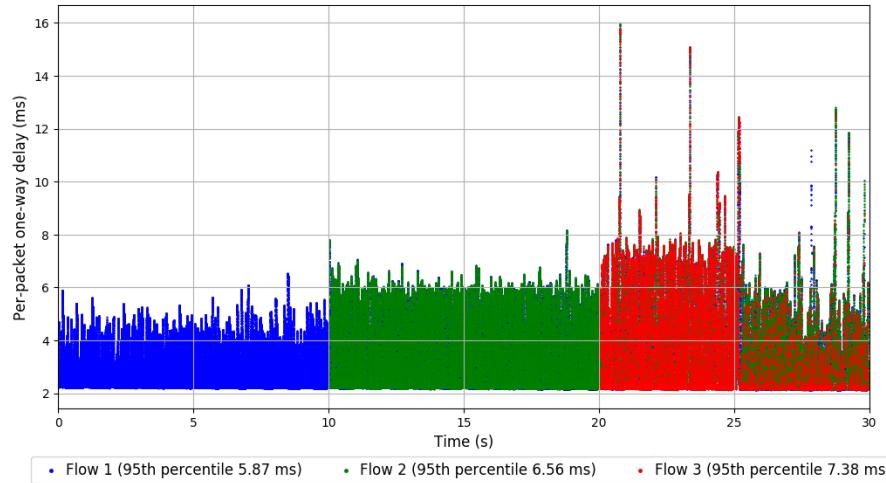
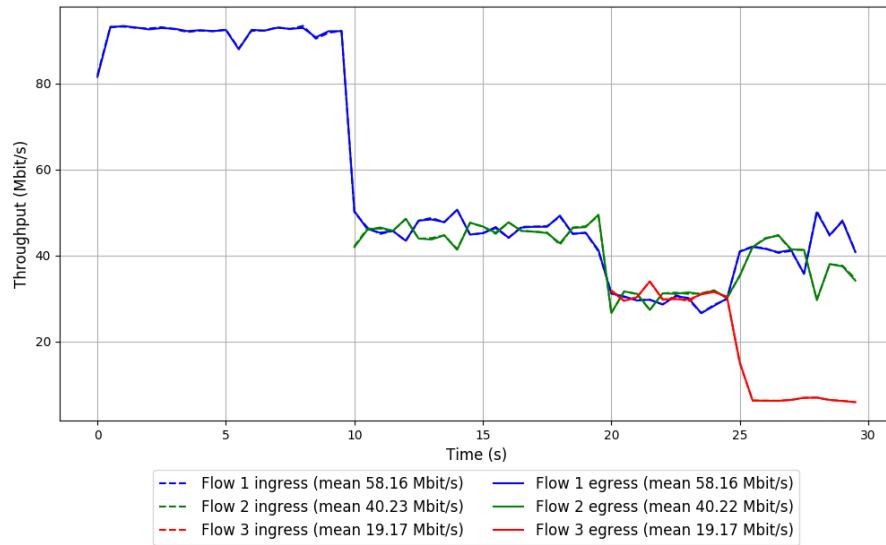


Run 2: Statistics of Copa

```
Start at: 2018-02-16 11:00:59
End at: 2018-02-16 11:01:29
Local clock offset: -5.019 ms
Remote clock offset: -4.227 ms

# Below is generated by plot.py at 2018-02-16 17:43:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 6.294 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 5.865 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 6.560 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.17 Mbit/s
95th percentile per-packet one-way delay: 7.385 ms
Loss rate: 0.02%
```

Run 2: Report of Copa — Data Link

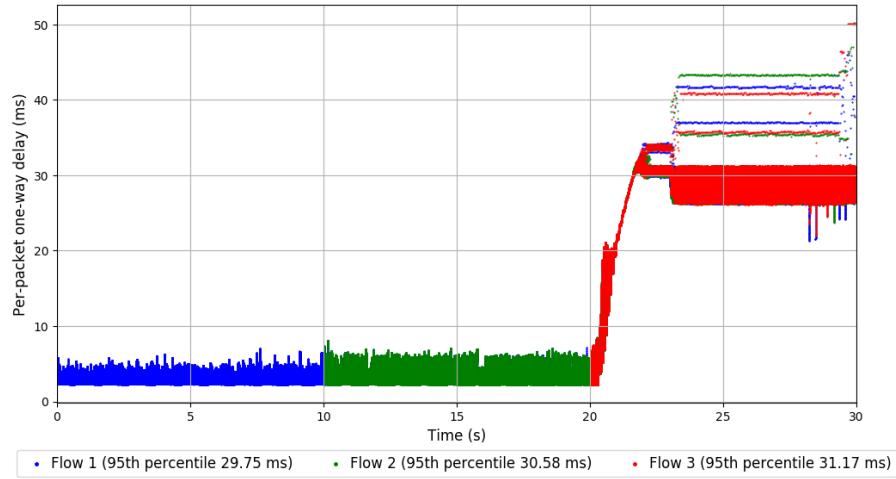
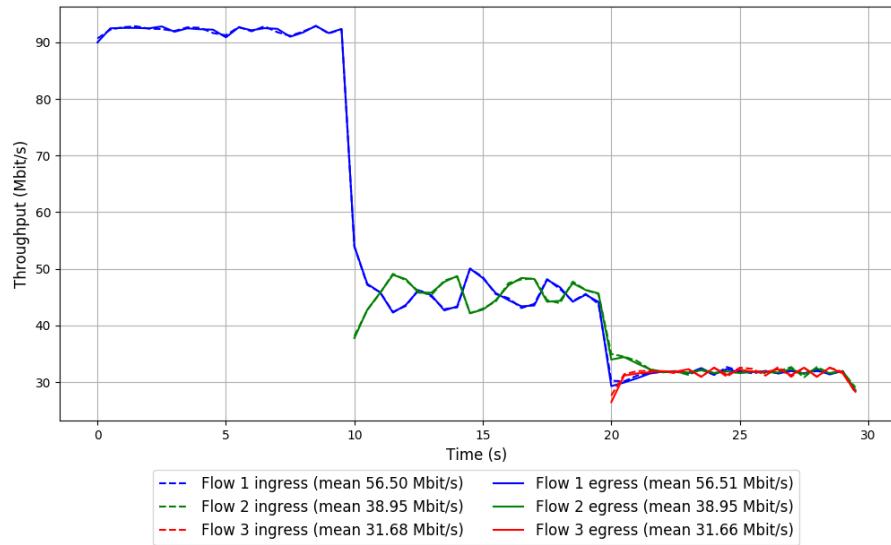


Run 3: Statistics of Copa

```
Start at: 2018-02-16 11:21:24
End at: 2018-02-16 11:21:54
Local clock offset: -2.793 ms
Remote clock offset: -4.636 ms

# Below is generated by plot.py at 2018-02-16 17:44:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 30.852 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 29.755 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 30.580 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 31.169 ms
Loss rate: 0.29%
```

Run 3: Report of Copa — Data Link

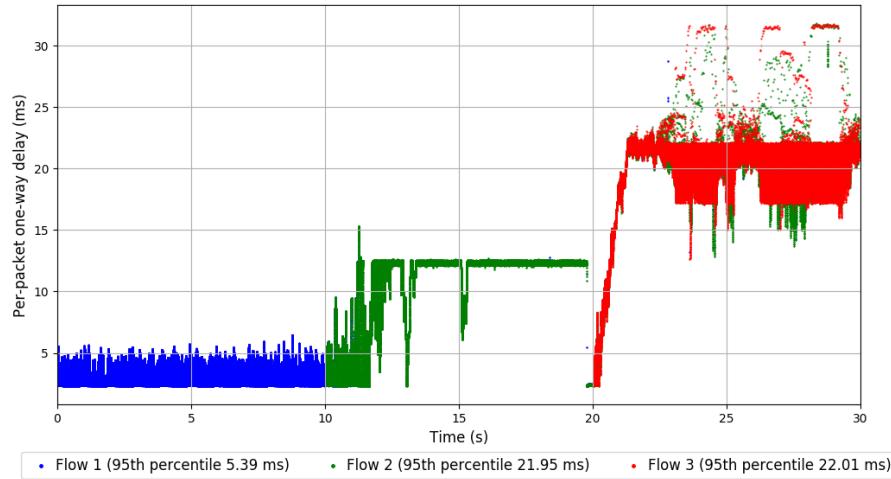
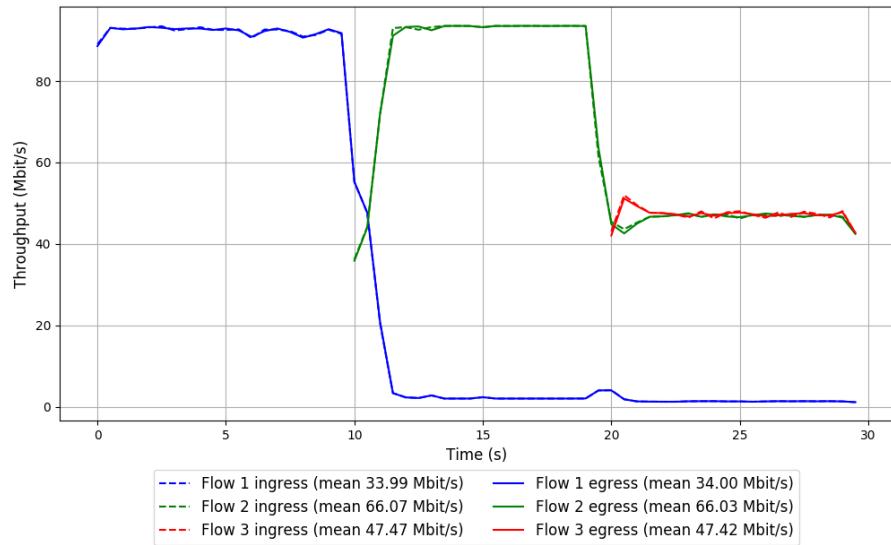


Run 4: Statistics of Copa

```
Start at: 2018-02-16 11:41:51
End at: 2018-02-16 11:42:21
Local clock offset: -6.206 ms
Remote clock offset: -4.695 ms

# Below is generated by plot.py at 2018-02-16 17:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 21.933 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 21.948 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 22.010 ms
Loss rate: 0.22%
```

Run 4: Report of Copa — Data Link

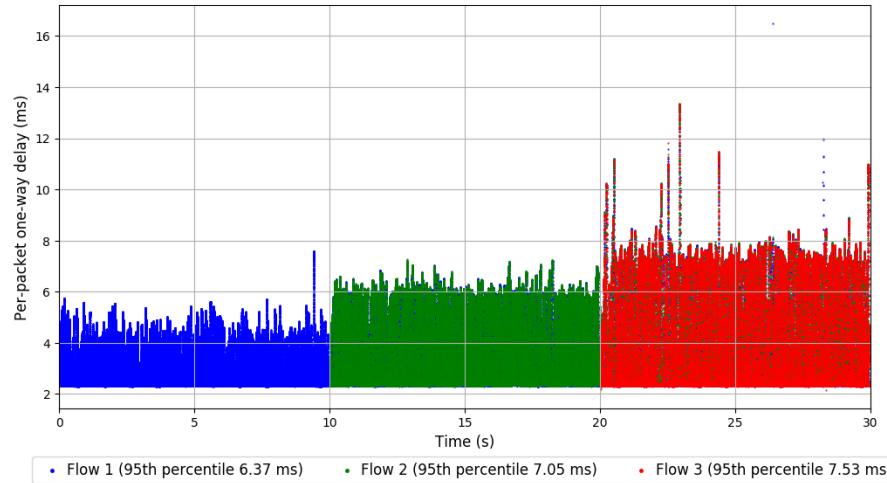
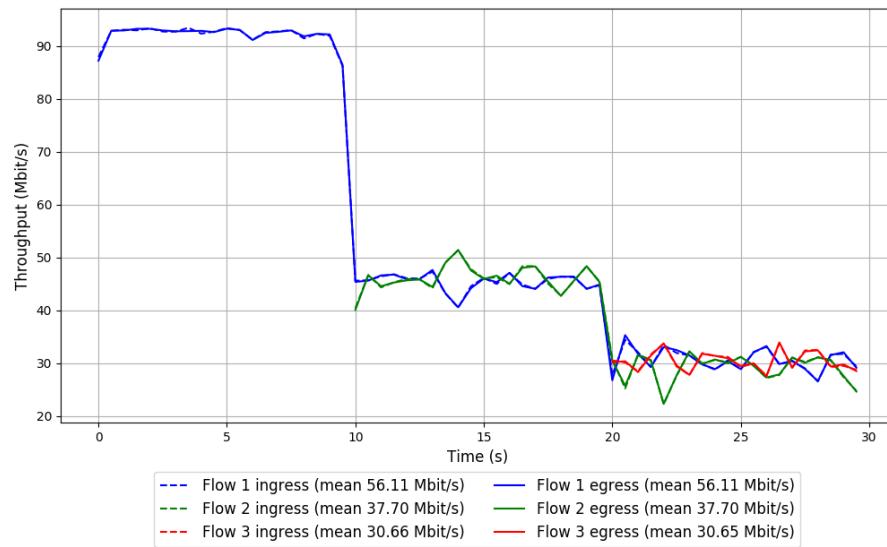


Run 5: Statistics of Copa

```
Start at: 2018-02-16 12:02:15
End at: 2018-02-16 12:02:45
Local clock offset: -6.733 ms
Remote clock offset: -5.136 ms

# Below is generated by plot.py at 2018-02-16 17:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 6.954 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: 6.374 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 7.055 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 7.533 ms
Loss rate: 0.06%
```

Run 5: Report of Copa — Data Link

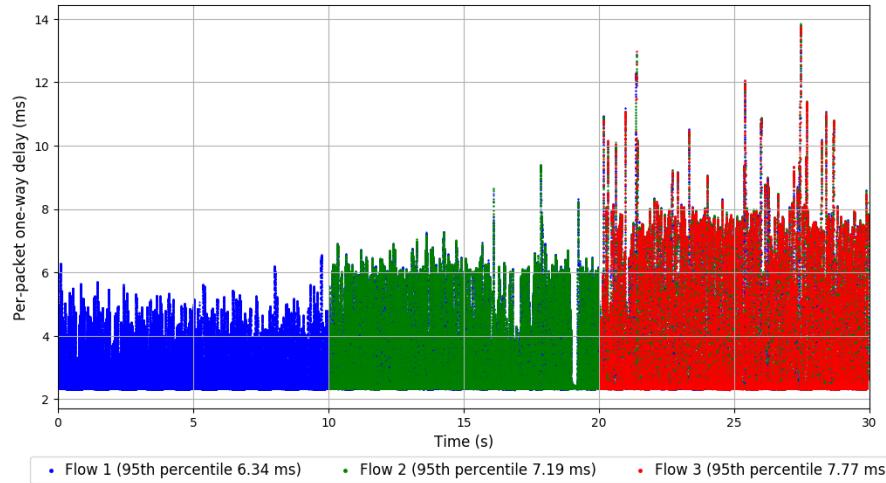
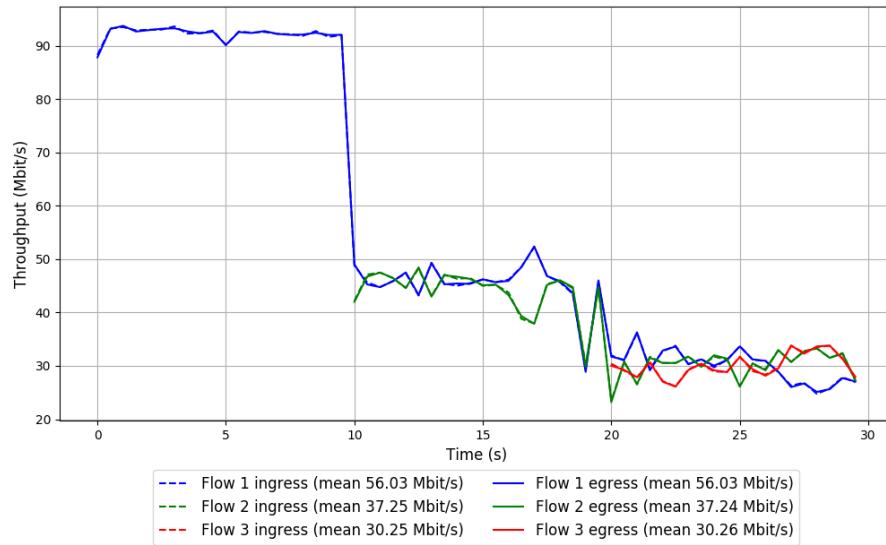


Run 6: Statistics of Copa

```
Start at: 2018-02-16 12:22:41
End at: 2018-02-16 12:23:11
Local clock offset: -6.806 ms
Remote clock offset: -5.256 ms

# Below is generated by plot.py at 2018-02-16 17:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.83 Mbit/s
95th percentile per-packet one-way delay: 7.014 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.03 Mbit/s
95th percentile per-packet one-way delay: 6.339 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.24 Mbit/s
95th percentile per-packet one-way delay: 7.187 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 7.770 ms
Loss rate: 0.05%
```

Run 6: Report of Copa — Data Link

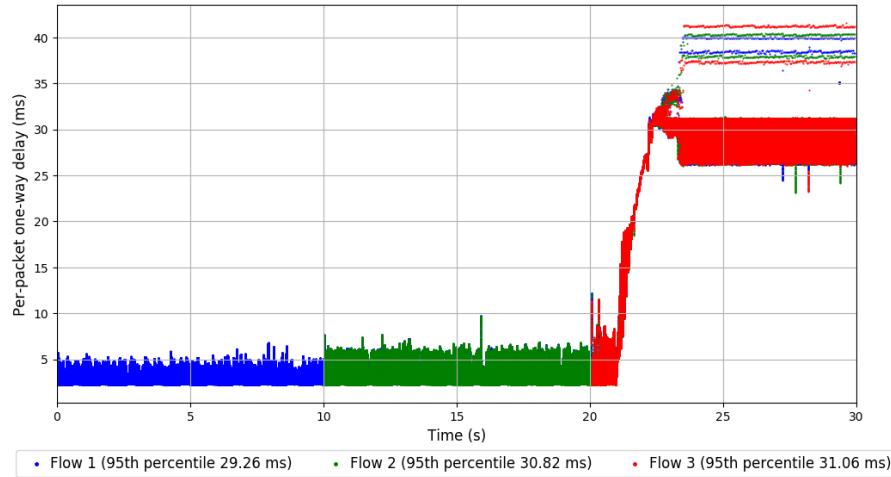
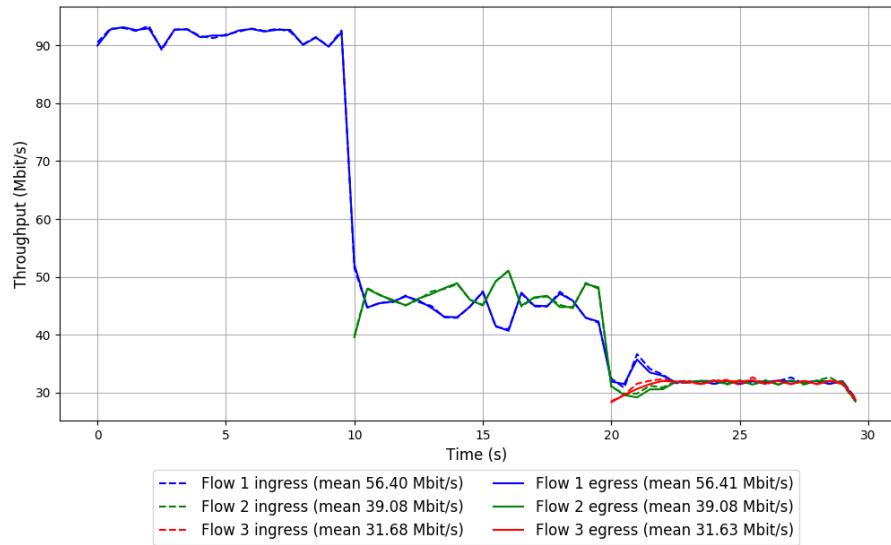


Run 7: Statistics of Copa

```
Start at: 2018-02-16 12:43:07
End at: 2018-02-16 12:43:37
Local clock offset: -7.302 ms
Remote clock offset: -5.354 ms

# Below is generated by plot.py at 2018-02-16 17:44:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.87 Mbit/s
95th percentile per-packet one-way delay: 30.562 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 29.264 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 30.821 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 31.062 ms
Loss rate: 0.29%
```

Run 7: Report of Copa — Data Link

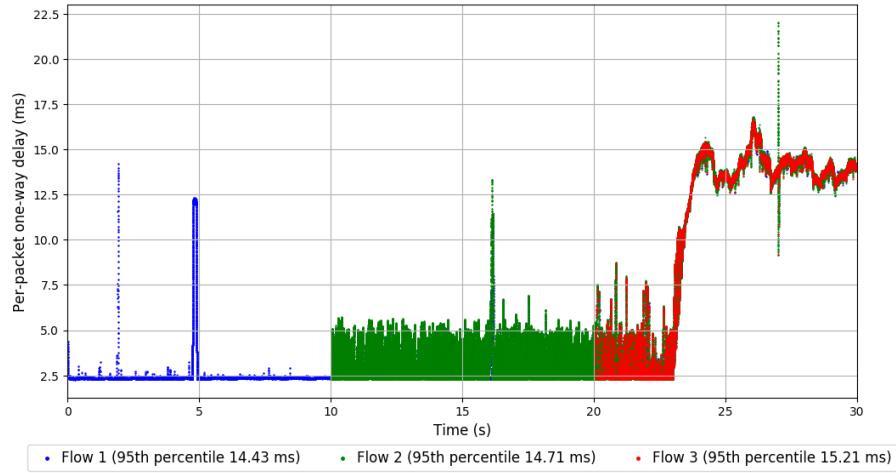
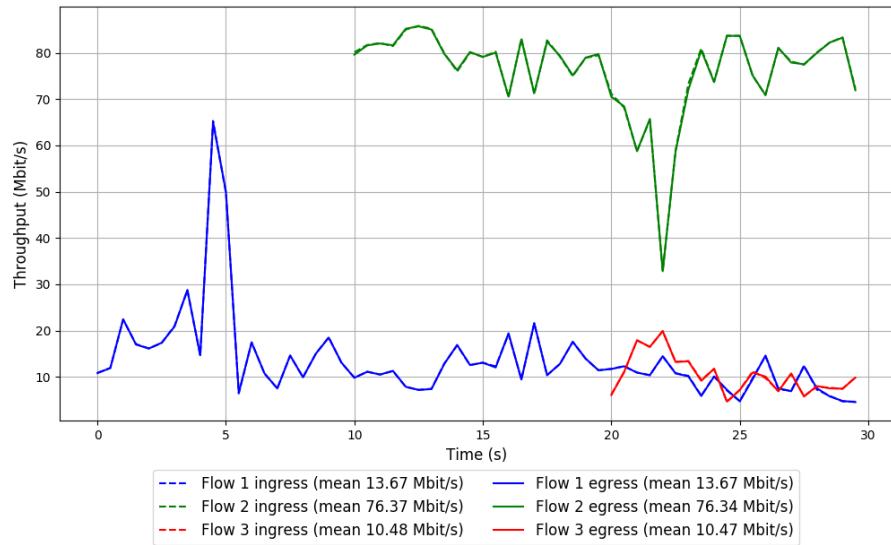


Run 8: Statistics of Copa

```
Start at: 2018-02-16 13:03:33
End at: 2018-02-16 13:04:03
Local clock offset: -7.566 ms
Remote clock offset: -5.676 ms

# Below is generated by plot.py at 2018-02-16 17:44:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 14.710 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 14.425 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 76.34 Mbit/s
95th percentile per-packet one-way delay: 14.715 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 10.47 Mbit/s
95th percentile per-packet one-way delay: 15.211 ms
Loss rate: 0.16%
```

Run 8: Report of Copa — Data Link

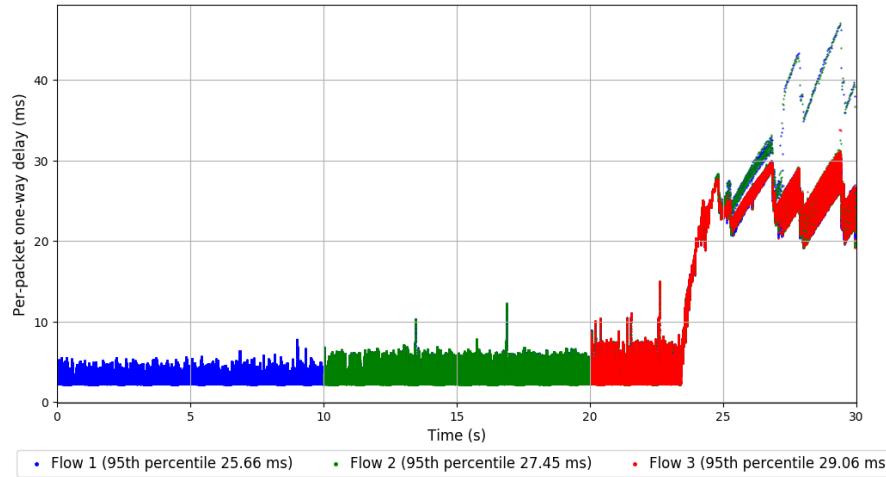
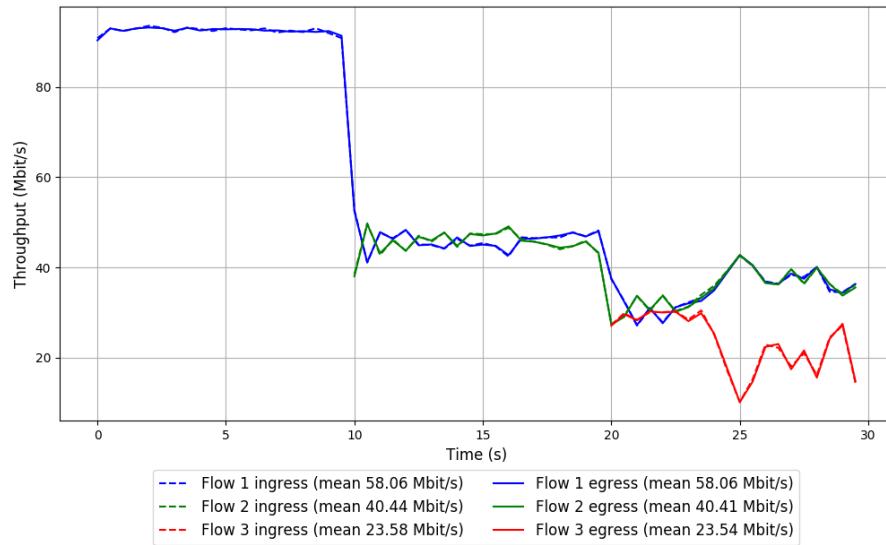


Run 9: Statistics of Copa

```
Start at: 2018-02-16 13:23:54
End at: 2018-02-16 13:24:24
Local clock offset: -7.202 ms
Remote clock offset: -5.826 ms

# Below is generated by plot.py at 2018-02-16 17:46:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 27.044 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 25.658 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 27.448 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 29.060 ms
Loss rate: 0.21%
```

Run 9: Report of Copa — Data Link

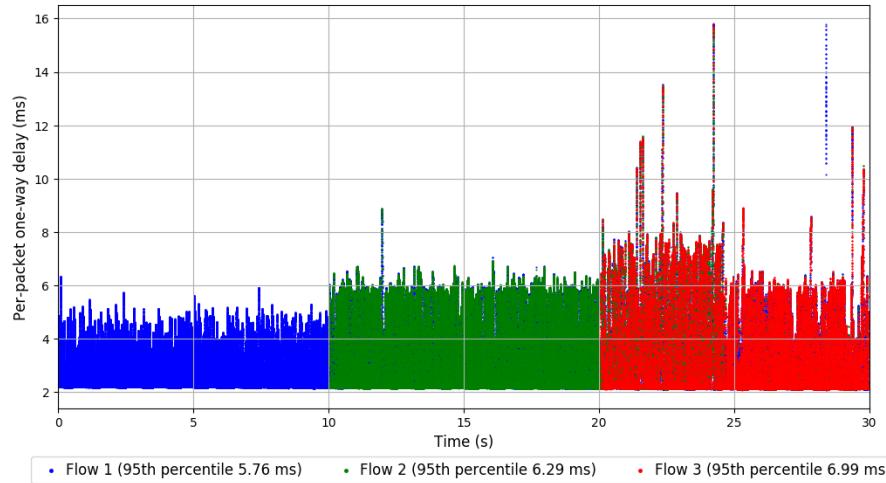
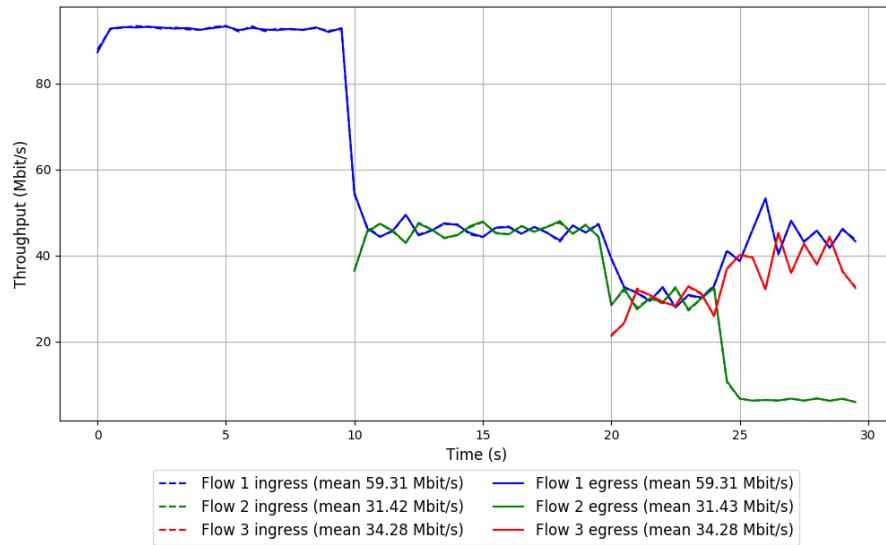


Run 10: Statistics of Copa

```
Start at: 2018-02-16 13:44:15
End at: 2018-02-16 13:44:45
Local clock offset: -6.379 ms
Remote clock offset: -5.457 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 6.033 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 5.759 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 6.289 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 6.994 ms
Loss rate: 0.10%
```

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-16 10:38:17
End at: 2018-02-16 10:38:47
Local clock offset: -8.725 ms
Remote clock offset: -4.559 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-02-16 10:58:44
End at: 2018-02-16 10:59:14
Local clock offset: -5.585 ms
Remote clock offset: -4.32 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-02-16 11:19:10
End at: 2018-02-16 11:19:40
Local clock offset: -3.035 ms
Remote clock offset: -4.588 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-02-16 11:39:36
End at: 2018-02-16 11:40:06
Local clock offset: -6.035 ms
Remote clock offset: -4.692 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-02-16 12:00:01
End at: 2018-02-16 12:00:31
Local clock offset: -6.752 ms
Remote clock offset: -5.188 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-02-16 12:20:27
End at: 2018-02-16 12:20:57
Local clock offset: -6.825 ms
Remote clock offset: -5.233 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-02-16 12:40:52
End at: 2018-02-16 12:41:22
Local clock offset: -7.219 ms
Remote clock offset: -5.292 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-02-16 13:01:18
End at: 2018-02-16 13:01:48
Local clock offset: -7.581 ms
Remote clock offset: -5.642 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-02-16 13:21:39
End at: 2018-02-16 13:22:09
Local clock offset: -7.139 ms
Remote clock offset: -5.818 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-02-16 13:42:01
End at: 2018-02-16 13:42:31
Local clock offset: -6.856 ms
Remote clock offset: -5.466 ms

Run 10: Report of FillP — Data Link

Figure is missing

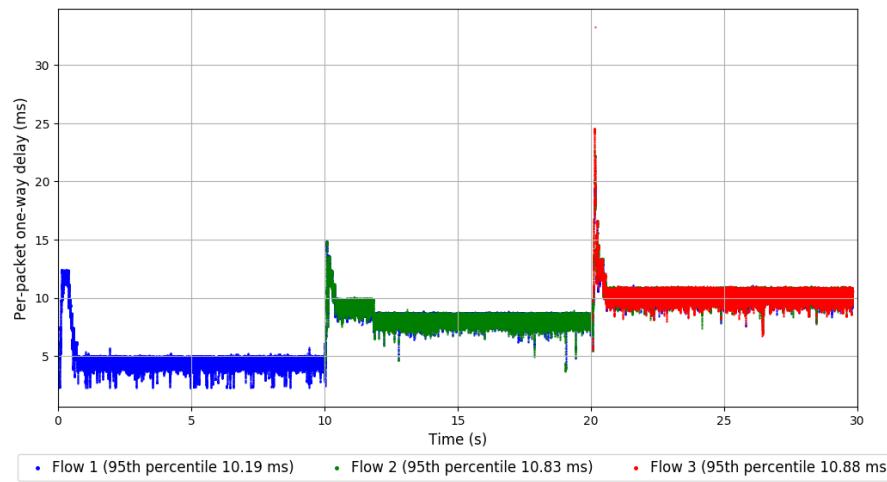
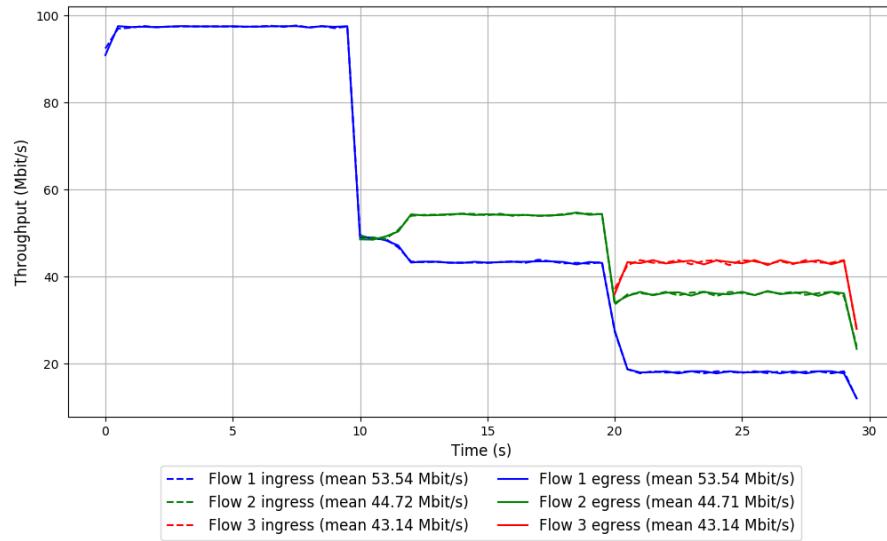
Figure is missing

Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-16 10:48:33
End at: 2018-02-16 10:49:03
Local clock offset: -8.918 ms
Remote clock offset: -4.419 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 10.807 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 10.189 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 10.826 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 10.885 ms
Loss rate: 0.10%
```

Run 1: Report of Indigo-1-32 — Data Link

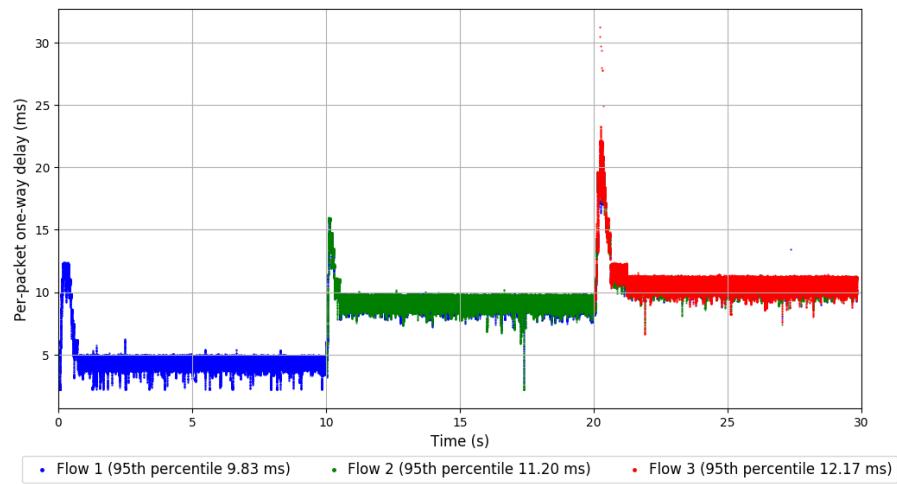
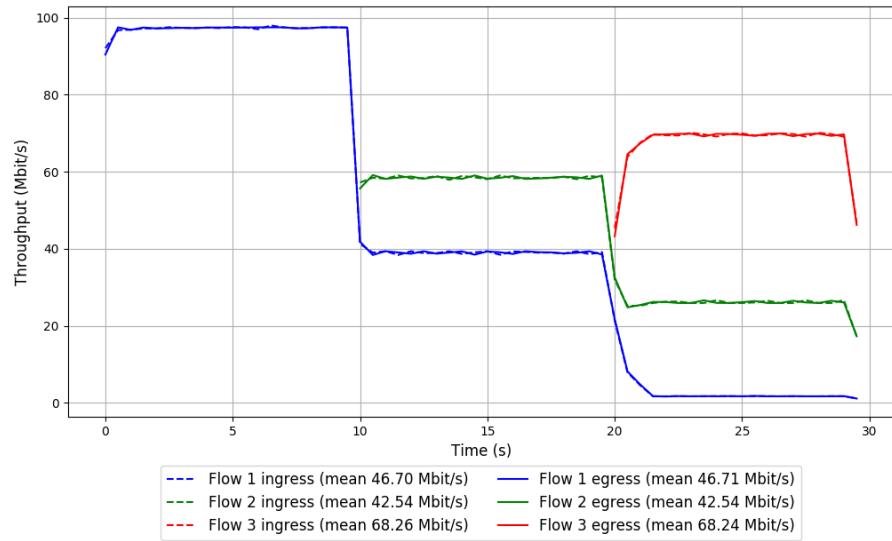


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-16 11:09:00
End at: 2018-02-16 11:09:30
Local clock offset: -3.867 ms
Remote clock offset: -4.225 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 11.247 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 9.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 11.197 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 12.168 ms
Loss rate: 0.14%
```

Run 2: Report of Indigo-1-32 — Data Link

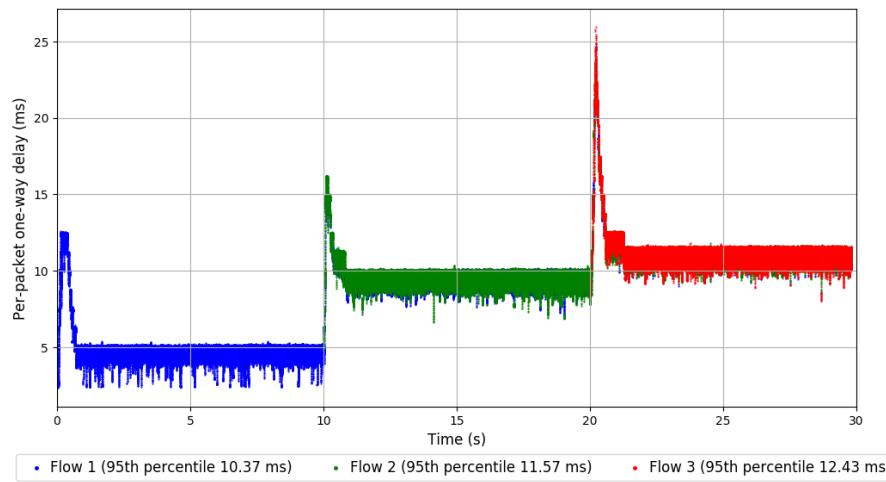
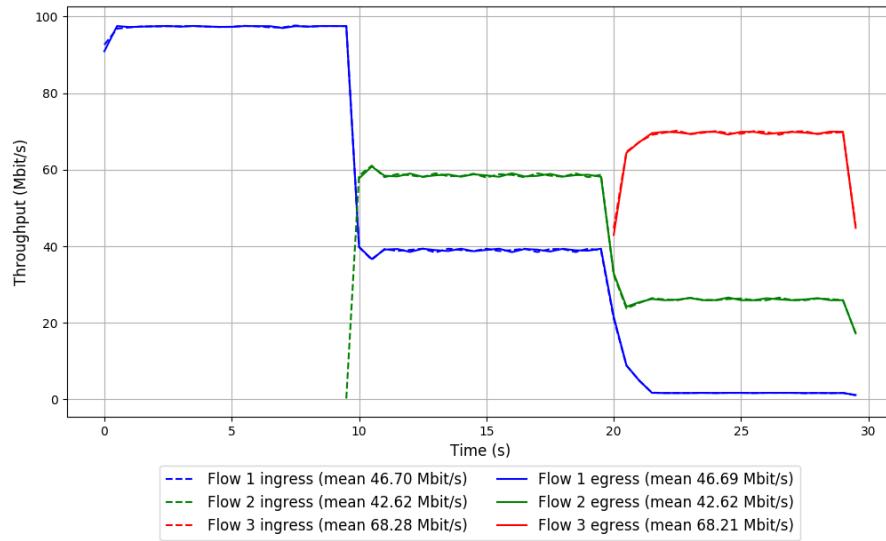


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-16 11:29:26
End at: 2018-02-16 11:29:56
Local clock offset: -4.5 ms
Remote clock offset: -4.693 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 11.594 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.69 Mbit/s
95th percentile per-packet one-way delay: 10.367 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 11.574 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 12.427 ms
Loss rate: 0.17%
```

Run 3: Report of Indigo-1-32 — Data Link

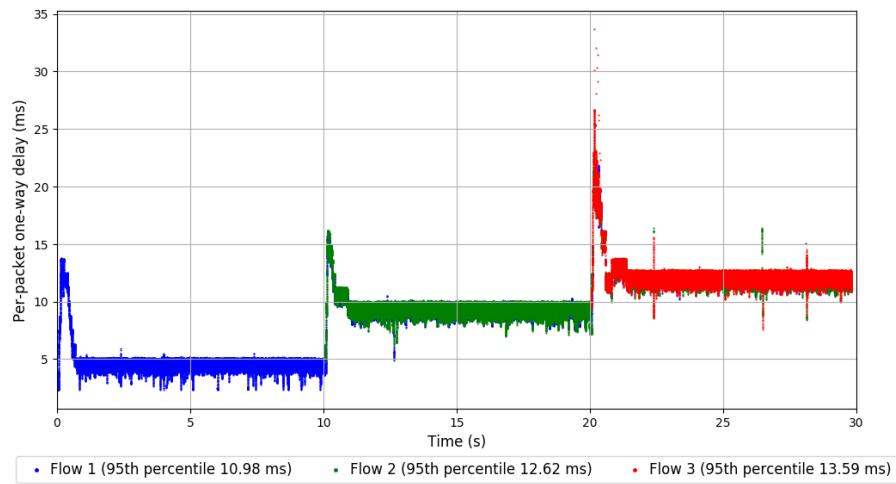
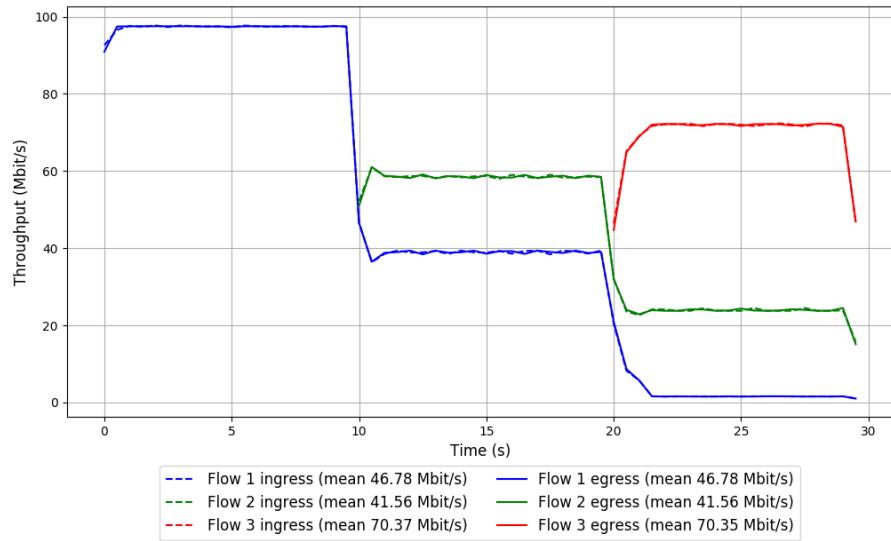


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-16 11:49:53
End at: 2018-02-16 11:50:23
Local clock offset: -6.557 ms
Remote clock offset: -4.998 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 12.656 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 10.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.56 Mbit/s
95th percentile per-packet one-way delay: 12.623 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 13.589 ms
Loss rate: 0.14%
```

Run 4: Report of Indigo-1-32 — Data Link

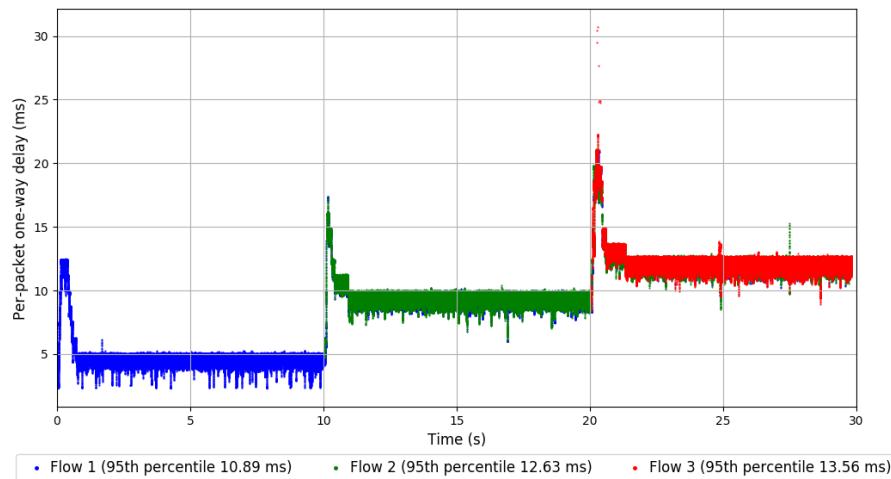
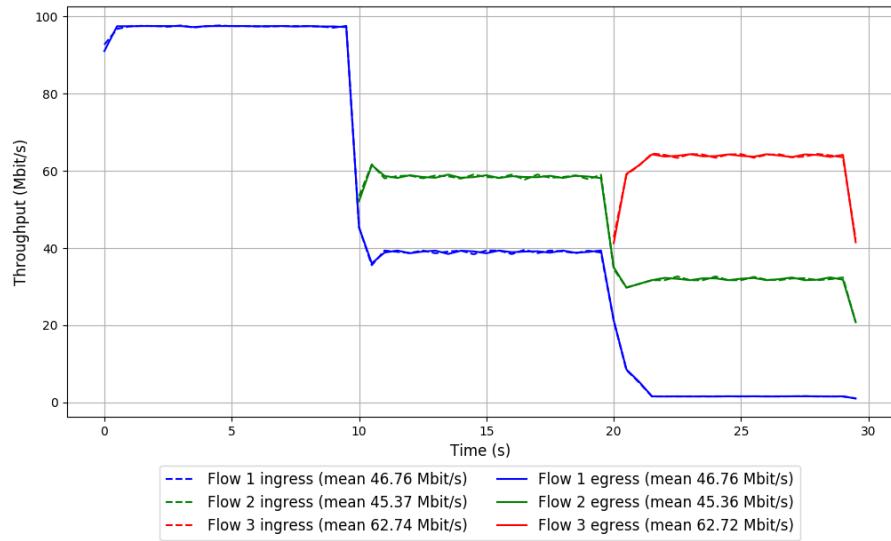


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-16 12:10:17
End at: 2018-02-16 12:10:47
Local clock offset: -6.746 ms
Remote clock offset: -5.188 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 12.626 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 10.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.36 Mbit/s
95th percentile per-packet one-way delay: 12.634 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.72 Mbit/s
95th percentile per-packet one-way delay: 13.565 ms
Loss rate: 0.16%
```

Run 5: Report of Indigo-1-32 — Data Link

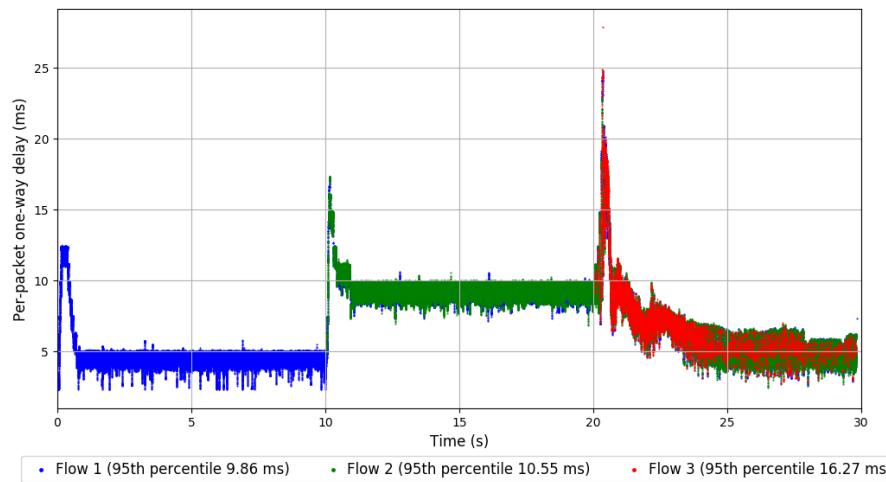
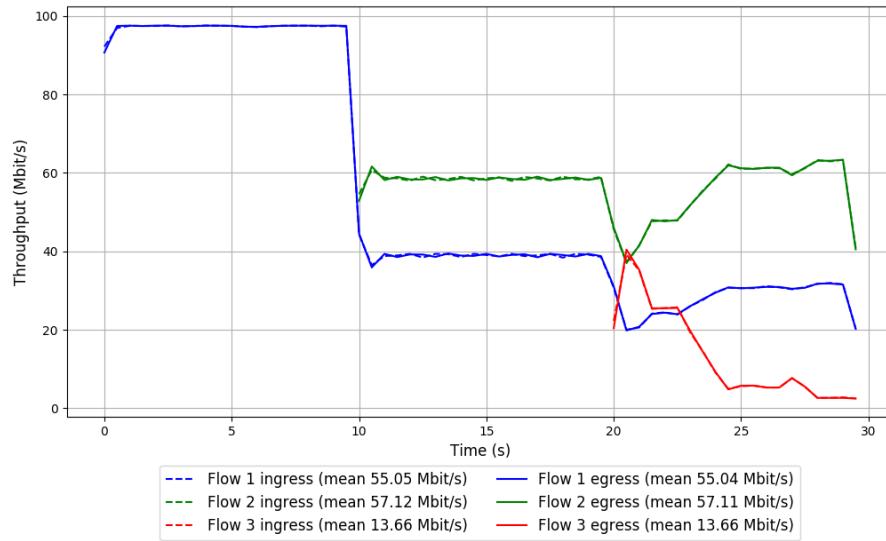


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-16 12:30:43
End at: 2018-02-16 12:31:13
Local clock offset: -6.877 ms
Remote clock offset: -5.297 ms

# Below is generated by plot.py at 2018-02-16 17:46:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 10.063 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 9.856 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 13.66 Mbit/s
95th percentile per-packet one-way delay: 16.274 ms
Loss rate: 0.06%
```

Run 6: Report of Indigo-1-32 — Data Link

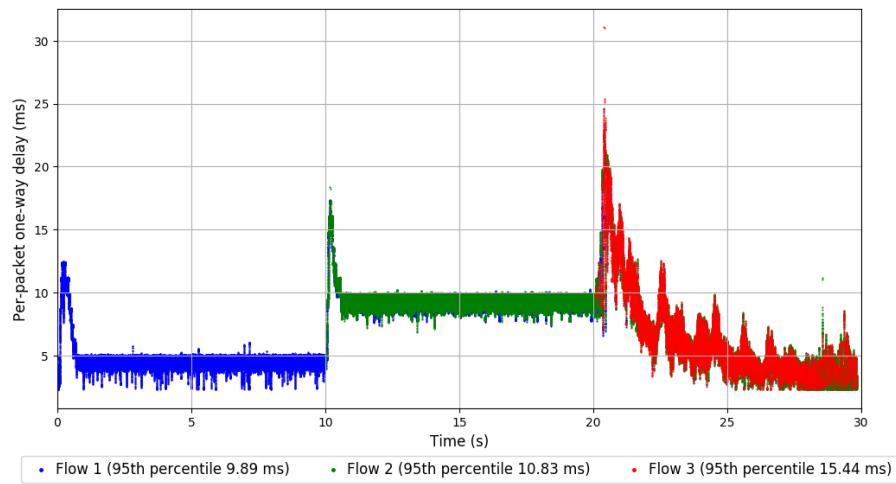
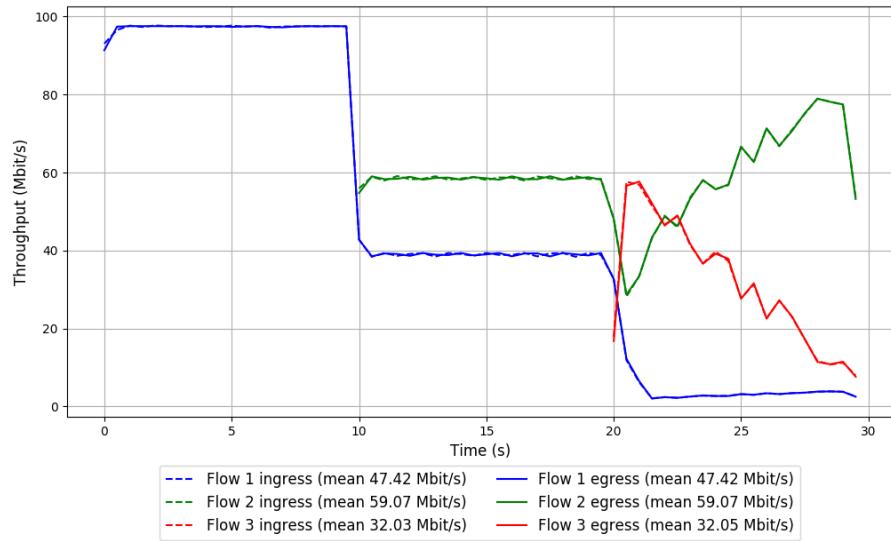


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-16 12:51:09
End at: 2018-02-16 12:51:39
Local clock offset: -7.347 ms
Remote clock offset: -5.365 ms

# Below is generated by plot.py at 2018-02-16 17:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 11.017 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 9.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 10.833 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 15.440 ms
Loss rate: 0.05%
```

Run 7: Report of Indigo-1-32 — Data Link

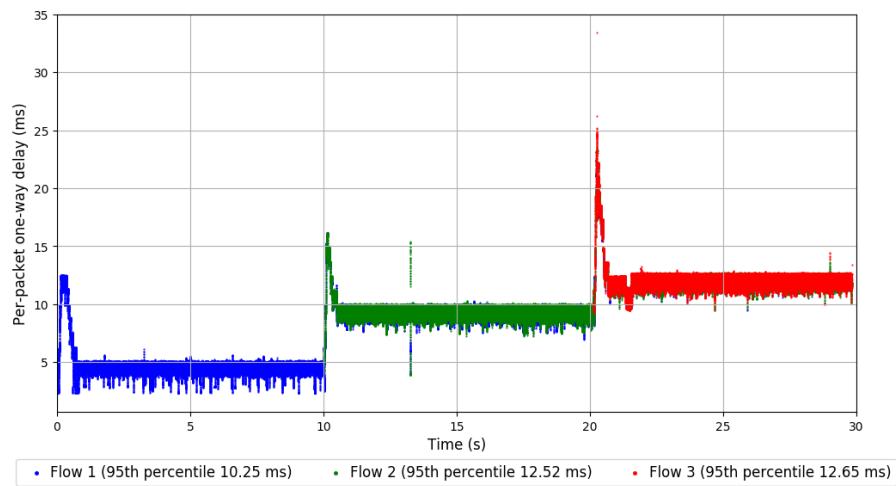
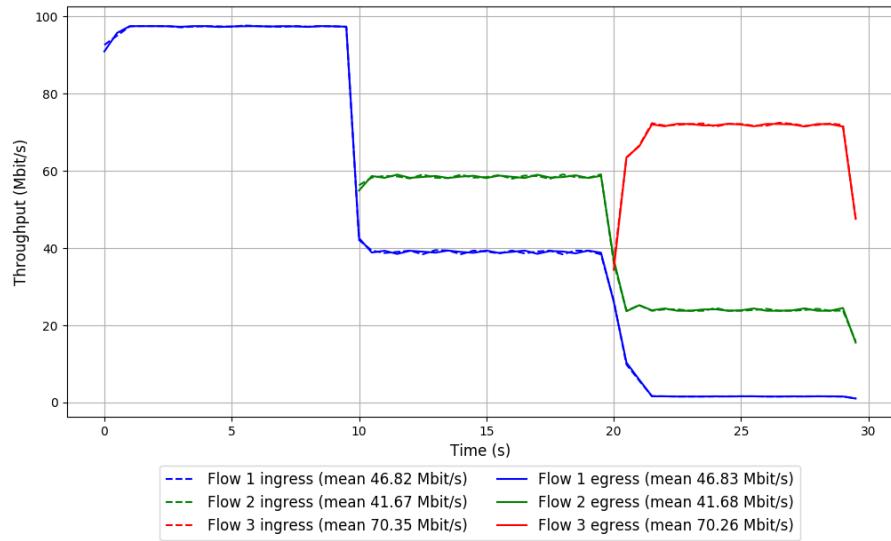


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-16 13:11:32
End at: 2018-02-16 13:12:02
Local clock offset: -7.351 ms
Remote clock offset: -5.836 ms

# Below is generated by plot.py at 2018-02-16 17:47:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.574 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 10.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 12.520 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 70.26 Mbit/s
95th percentile per-packet one-way delay: 12.647 ms
Loss rate: 0.21%
```

Run 8: Report of Indigo-1-32 — Data Link

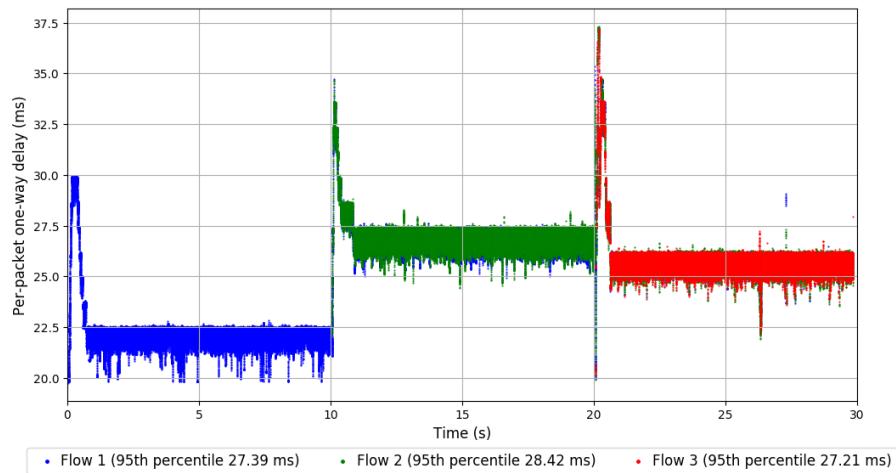
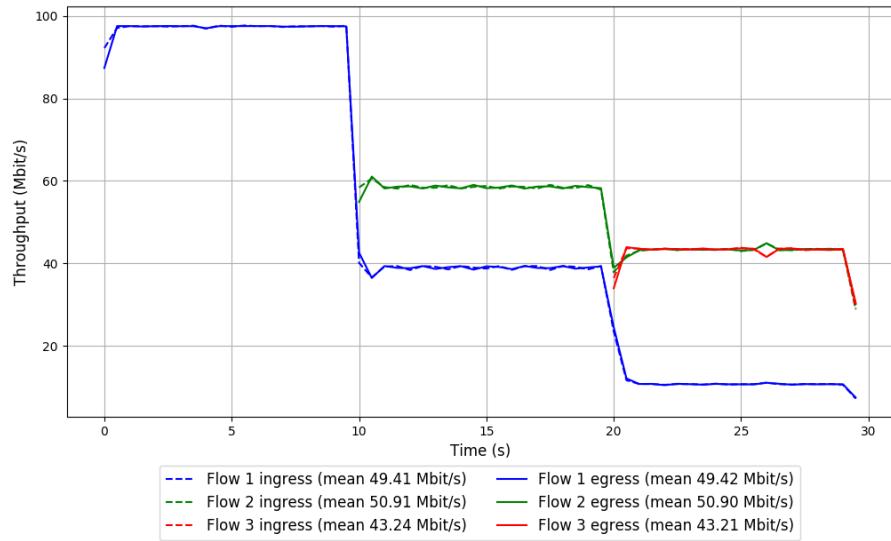


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-16 13:31:53
End at: 2018-02-16 13:32:23
Local clock offset: -7.179 ms
Remote clock offset: -23.088 ms

# Below is generated by plot.py at 2018-02-16 17:47:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 27.653 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 27.391 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.90 Mbit/s
95th percentile per-packet one-way delay: 28.423 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 27.212 ms
Loss rate: 0.11%
```

Run 9: Report of Indigo-1-32 — Data Link

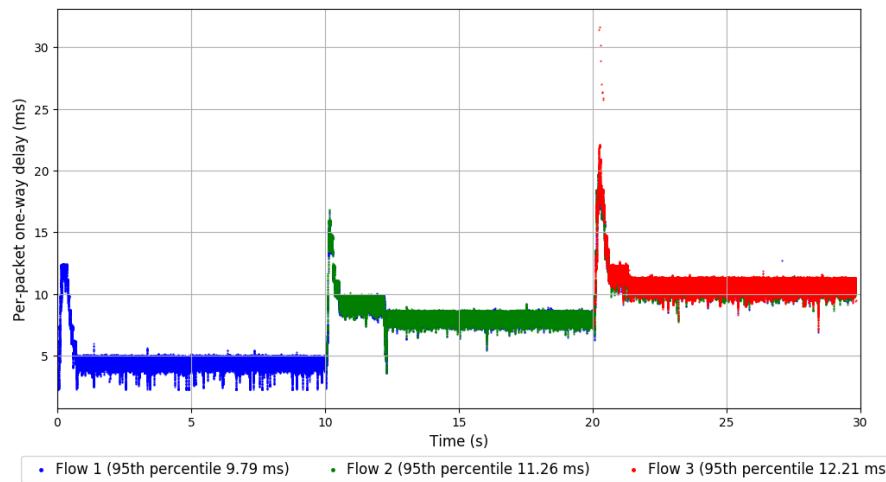
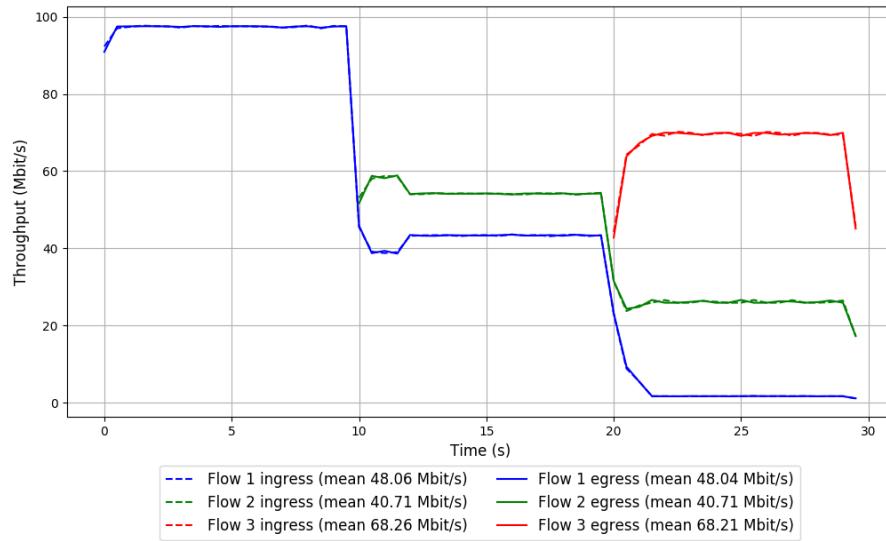


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-16 13:52:17
End at: 2018-02-16 13:52:47
Local clock offset: -5.364 ms
Remote clock offset: -5.589 ms

# Below is generated by plot.py at 2018-02-16 17:47:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 11.315 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 9.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 11.255 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 12.212 ms
Loss rate: 0.14%
```

Run 10: Report of Indigo-1-32 — Data Link

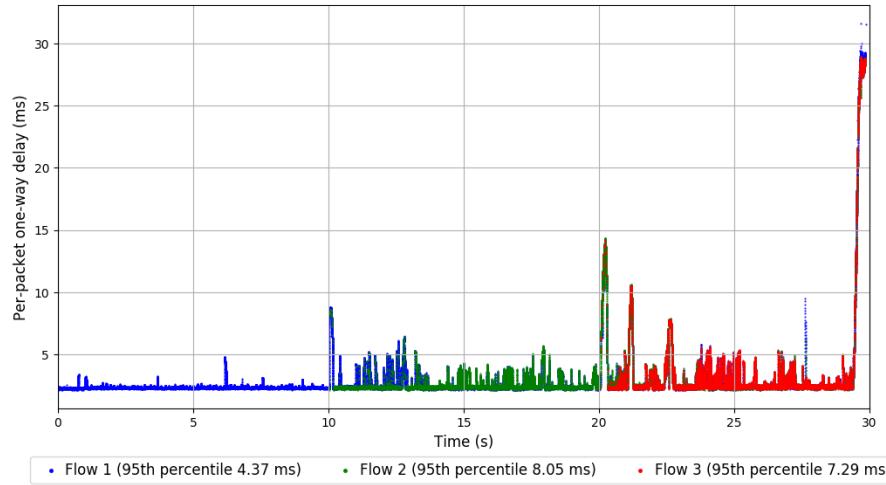
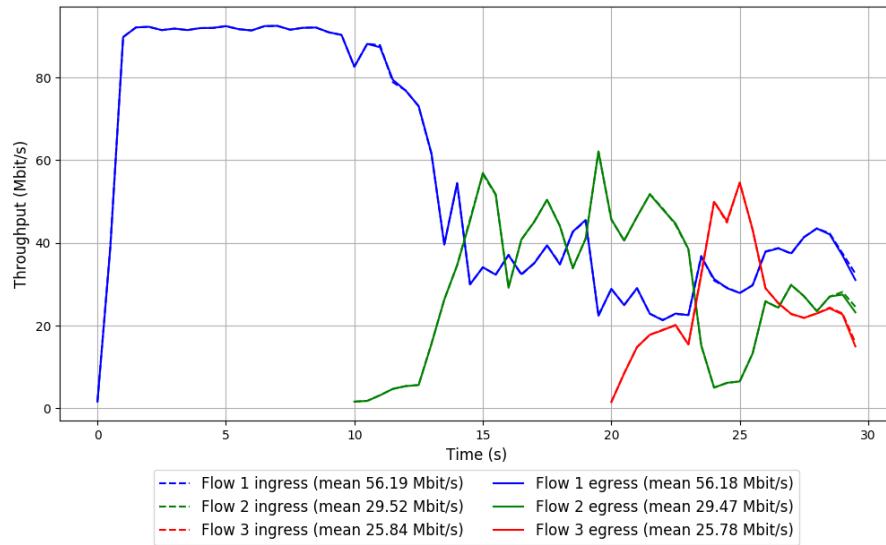


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-16 10:47:24
End at: 2018-02-16 10:47:54
Local clock offset: -8.854 ms
Remote clock offset: -4.432 ms

# Below is generated by plot.py at 2018-02-16 17:47:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.25 Mbit/s
95th percentile per-packet one-way delay: 5.068 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 4.371 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.47 Mbit/s
95th percentile per-packet one-way delay: 8.053 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 7.293 ms
Loss rate: 0.28%
```

Run 1: Report of Vivace-latency — Data Link

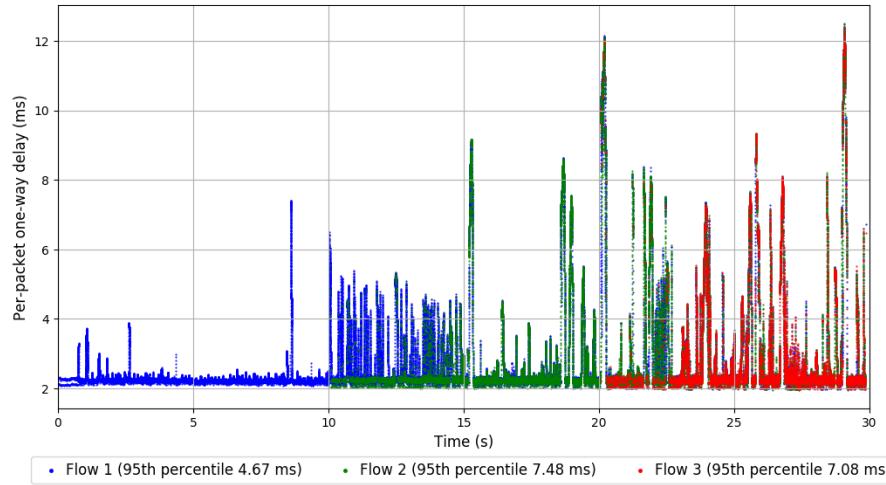
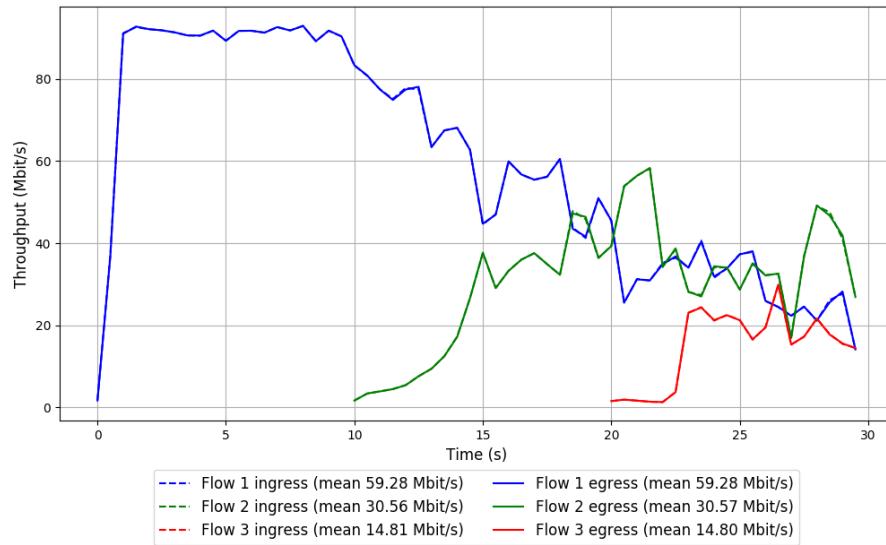


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-16 11:07:51
End at: 2018-02-16 11:08:21
Local clock offset: -3.984 ms
Remote clock offset: -4.157 ms

# Below is generated by plot.py at 2018-02-16 17:47:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.47 Mbit/s
95th percentile per-packet one-way delay: 5.997 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 4.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 7.478 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 7.075 ms
Loss rate: 0.06%
```

Run 2: Report of Vivace-latency — Data Link

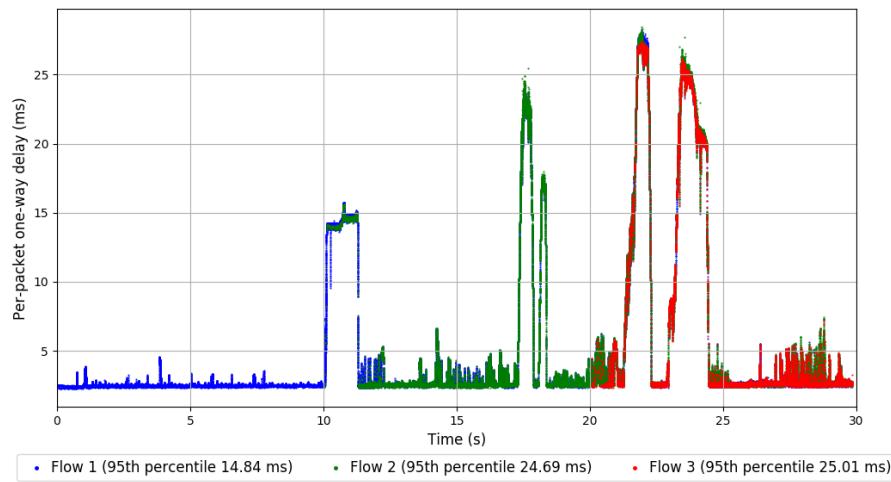
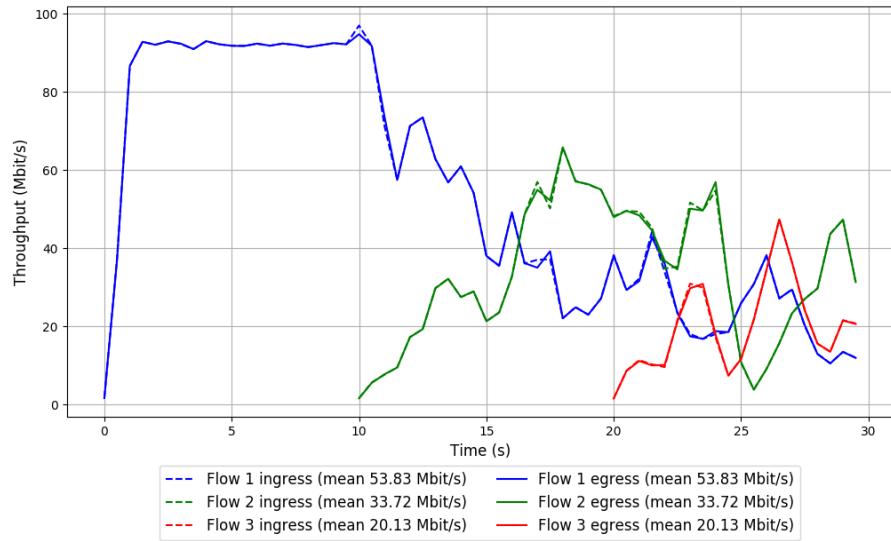


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-16 11:28:17
End at: 2018-02-16 11:28:47
Local clock offset: -4.196 ms
Remote clock offset: -4.701 ms

# Below is generated by plot.py at 2018-02-16 17:47:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.87 Mbit/s
95th percentile per-packet one-way delay: 22.285 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 14.841 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.72 Mbit/s
95th percentile per-packet one-way delay: 24.692 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.13 Mbit/s
95th percentile per-packet one-way delay: 25.009 ms
Loss rate: 0.08%
```

Run 3: Report of Vivace-latency — Data Link

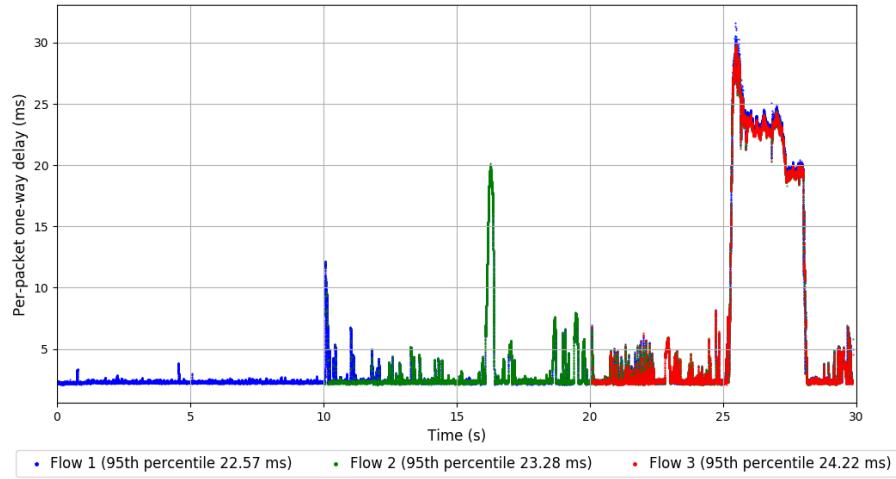
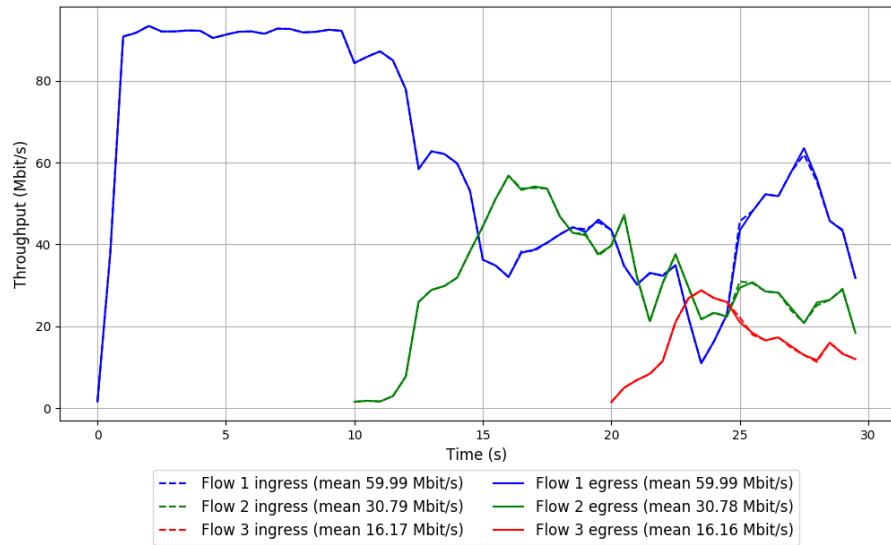


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-16 11:48:44
End at: 2018-02-16 11:49:14
Local clock offset: -6.545 ms
Remote clock offset: -4.935 ms

# Below is generated by plot.py at 2018-02-16 17:47:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 23.006 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.99 Mbit/s
95th percentile per-packet one-way delay: 22.571 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 23.278 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 0.04%
```

Run 4: Report of Vivace-latency — Data Link

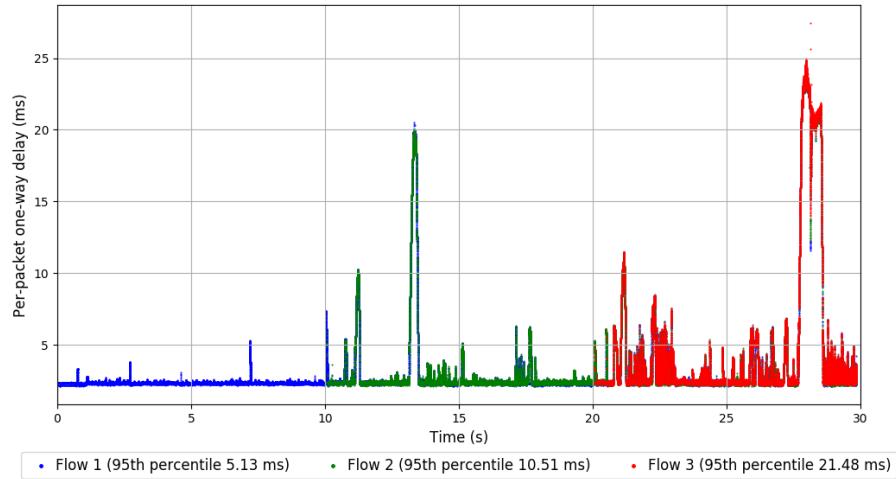
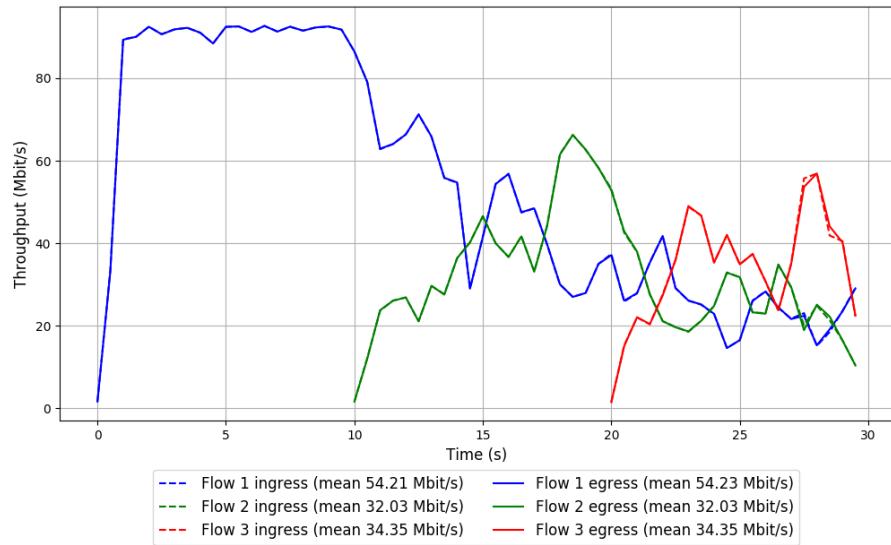


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-16 12:09:08
End at: 2018-02-16 12:09:38
Local clock offset: -6.758 ms
Remote clock offset: -5.17 ms

# Below is generated by plot.py at 2018-02-16 17:48:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 8.746 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 5.134 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 10.510 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 21.485 ms
Loss rate: 0.05%
```

Run 5: Report of Vivace-latency — Data Link

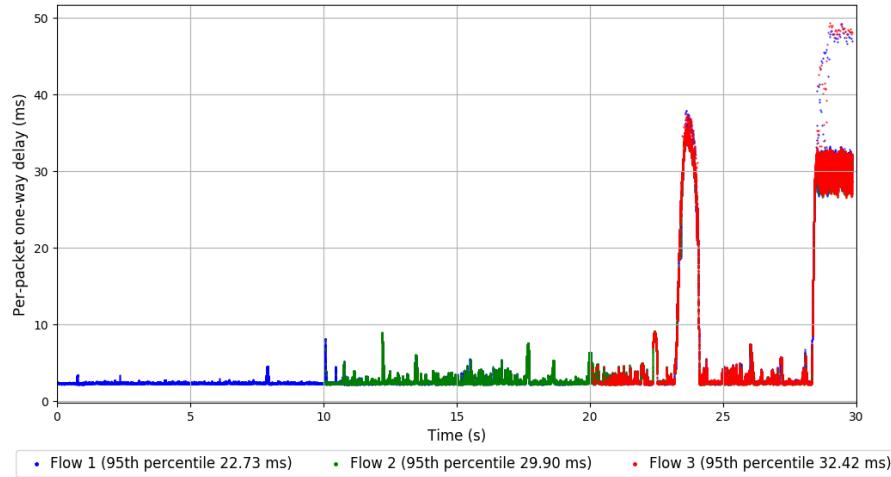
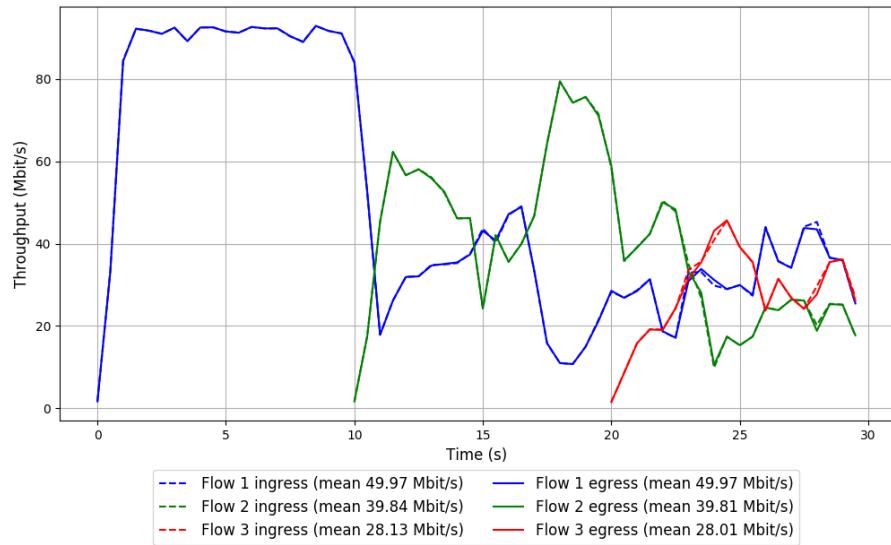


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-16 12:29:34
End at: 2018-02-16 12:30:04
Local clock offset: -6.859 ms
Remote clock offset: -5.291 ms

# Below is generated by plot.py at 2018-02-16 17:48:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 30.388 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 22.730 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 29.899 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 32.422 ms
Loss rate: 0.54%
```

Run 6: Report of Vivace-latency — Data Link

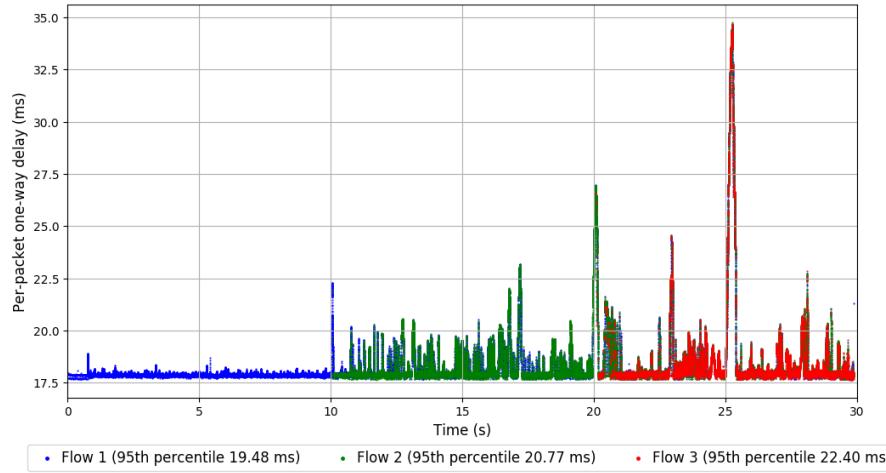
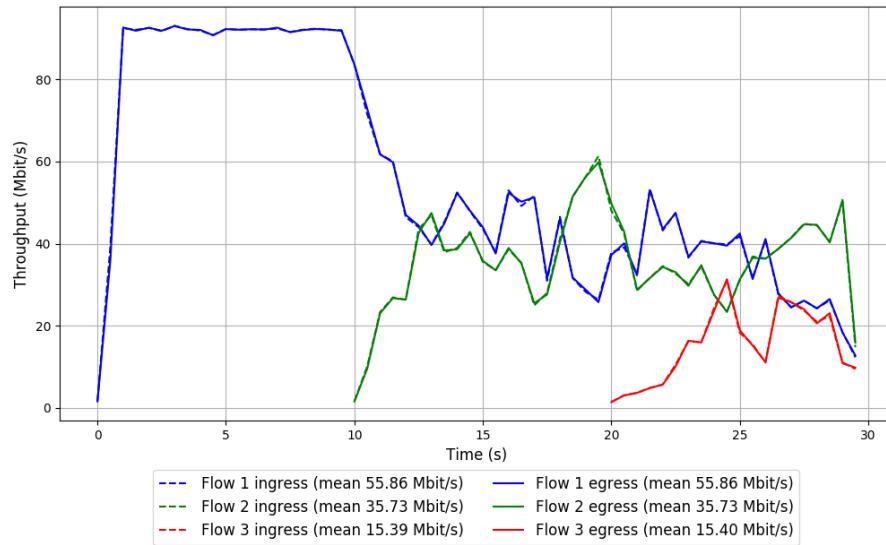


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-16 12:49:59
End at: 2018-02-16 12:50:29
Local clock offset: -7.341 ms
Remote clock offset: -20.839 ms

# Below is generated by plot.py at 2018-02-16 17:48:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.66 Mbit/s
95th percentile per-packet one-way delay: 19.993 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 20.765 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 22.397 ms
Loss rate: 0.05%
```

Run 7: Report of Vivace-latency — Data Link

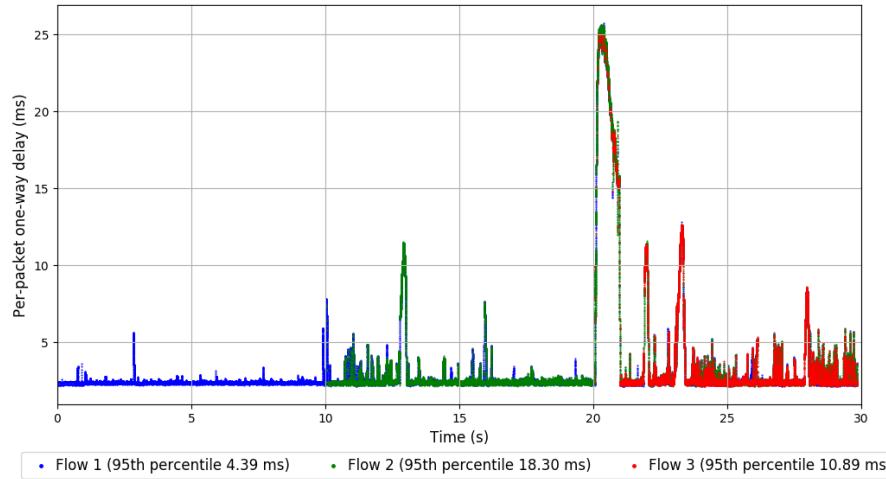
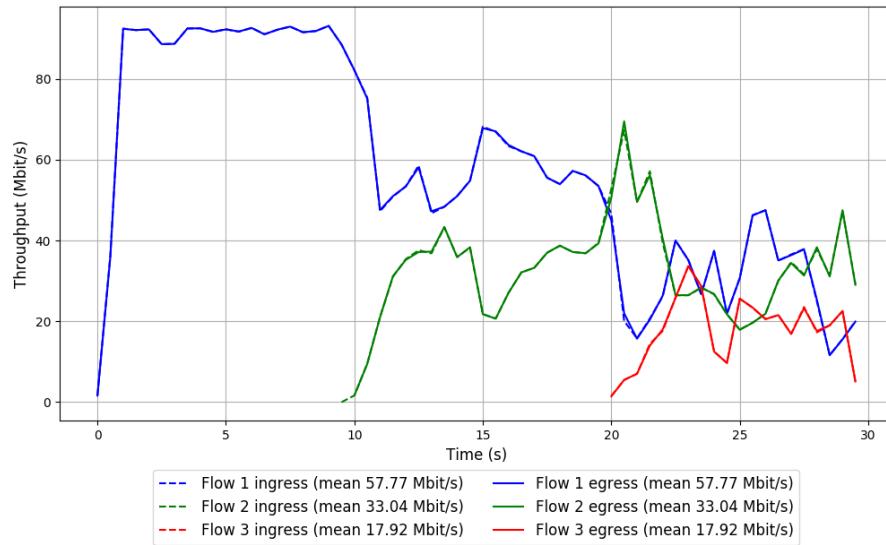


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-16 13:10:23
End at: 2018-02-16 13:10:53
Local clock offset: -7.38 ms
Remote clock offset: -5.834 ms

# Below is generated by plot.py at 2018-02-16 17:48:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.64 Mbit/s
95th percentile per-packet one-way delay: 9.283 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 4.392 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 18.303 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 10.887 ms
Loss rate: 0.01%
```

Run 8: Report of Vivace-latency — Data Link

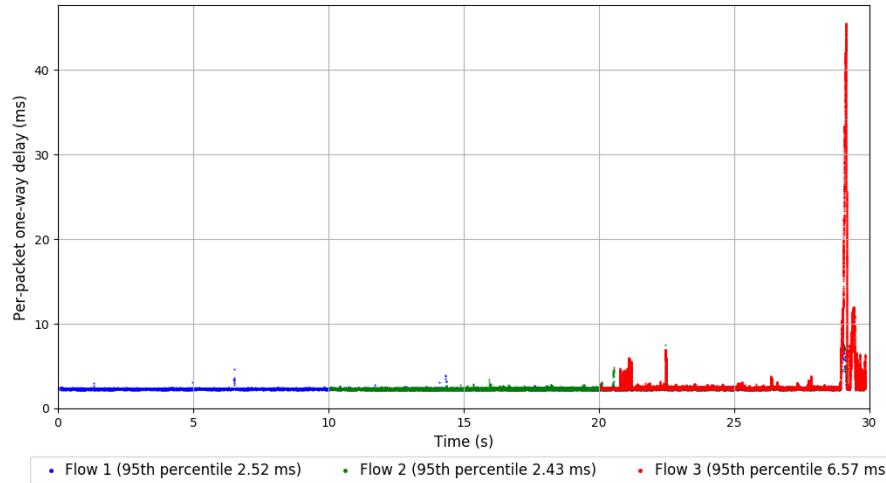
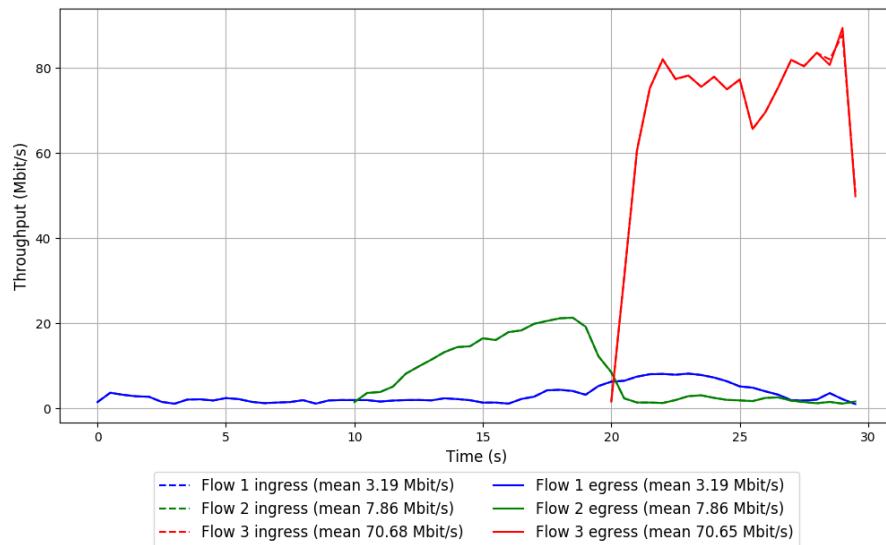


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-16 13:30:47
End at: 2018-02-16 13:31:17
Local clock offset: -7.129 ms
Remote clock offset: -5.551 ms

# Below is generated by plot.py at 2018-02-16 17:48:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 4.778 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 2.520 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 70.65 Mbit/s
95th percentile per-packet one-way delay: 6.569 ms
Loss rate: 0.07%
```

Run 9: Report of Vivace-latency — Data Link

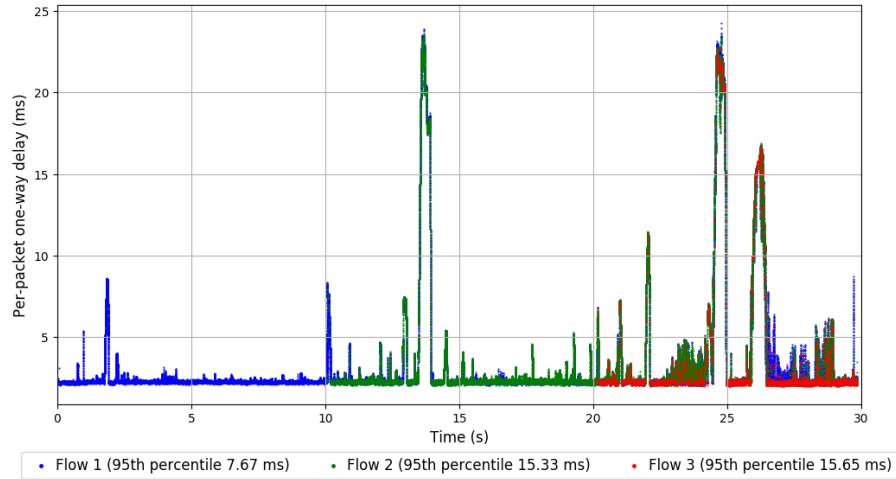
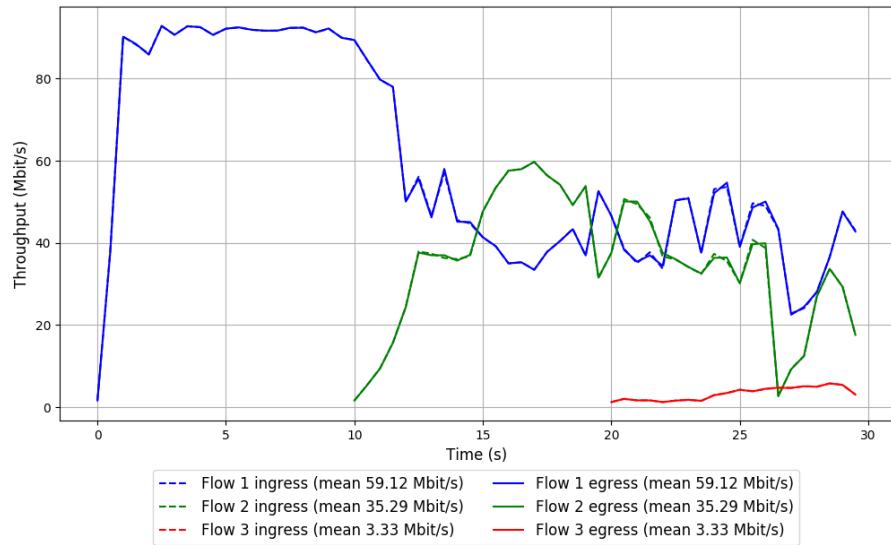


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-16 13:51:08
End at: 2018-02-16 13:51:38
Local clock offset: -5.422 ms
Remote clock offset: -5.52 ms

# Below is generated by plot.py at 2018-02-16 17:48:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 10.863 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 7.672 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 15.330 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 15.651 ms
Loss rate: 0.04%
```

Run 10: Report of Vivace-latency — Data Link

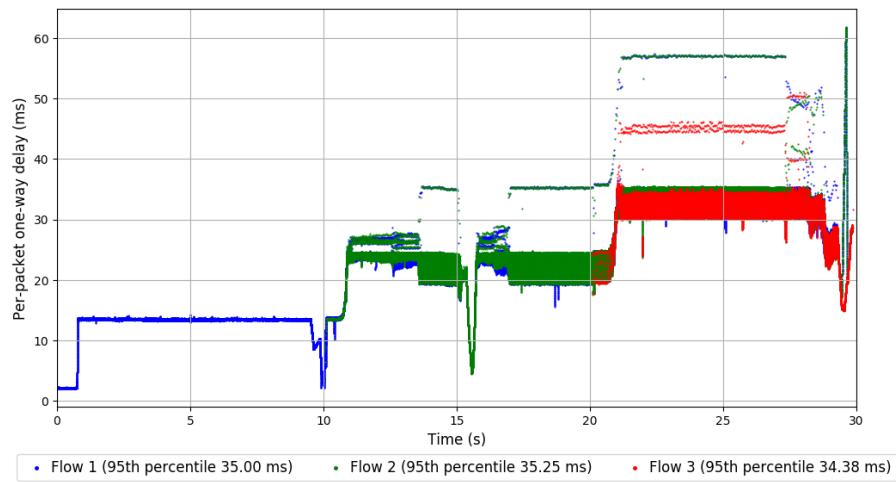
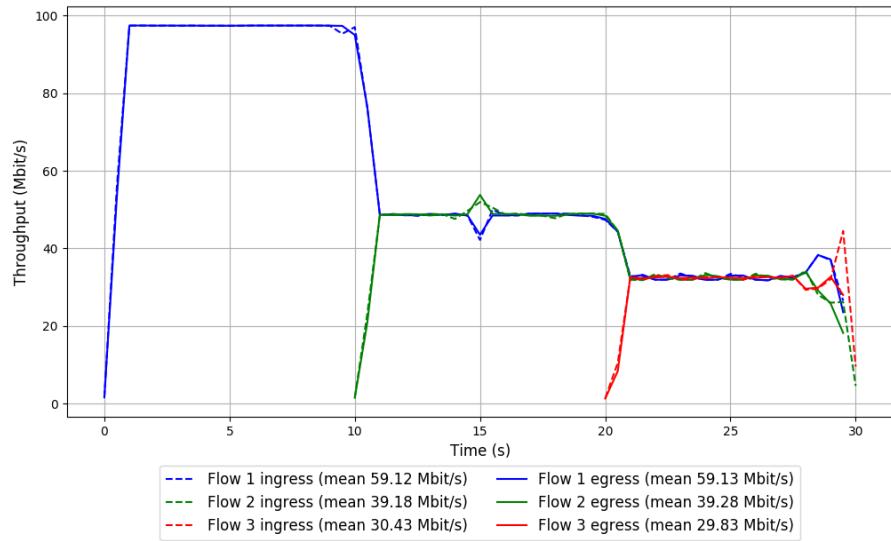


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 10:53:04
End at: 2018-02-16 10:53:34
Local clock offset: -7.368 ms
Remote clock offset: -4.35 ms

# Below is generated by plot.py at 2018-02-16 17:48:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 35.140 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 35.000 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 35.248 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 34.375 ms
Loss rate: 4.43%
```

Run 1: Report of Vivace-loss — Data Link

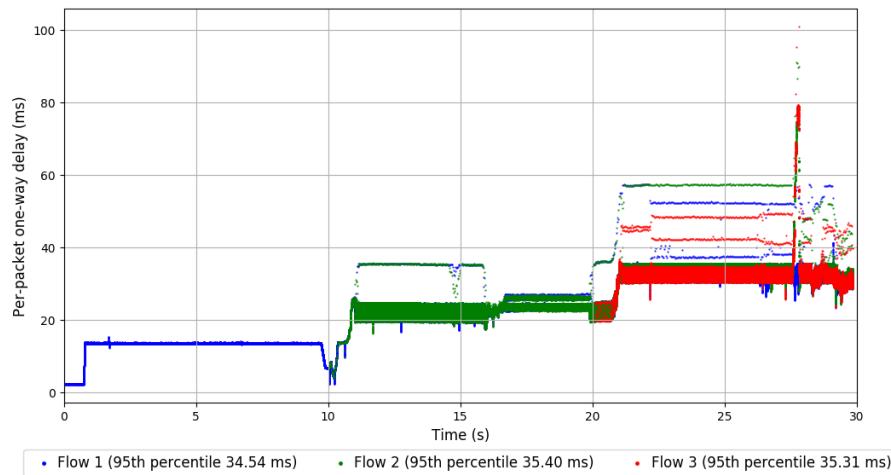
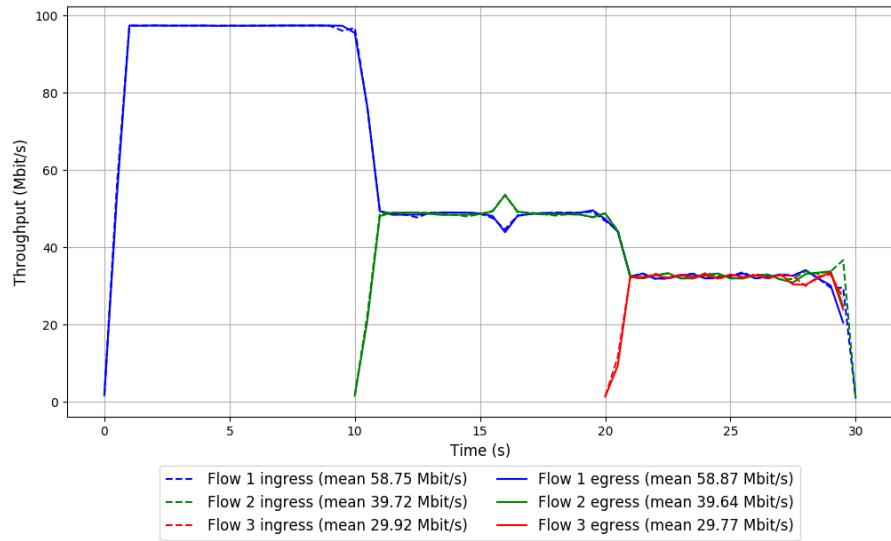


Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-16 11:13:30
End at: 2018-02-16 11:14:00
Local clock offset: -3.438 ms
Remote clock offset: -4.454 ms

# Below is generated by plot.py at 2018-02-16 17:48:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 35.271 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 58.87 Mbit/s
95th percentile per-packet one-way delay: 34.543 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 35.404 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 35.313 ms
Loss rate: 1.19%
```

Run 2: Report of Vivace-loss — Data Link

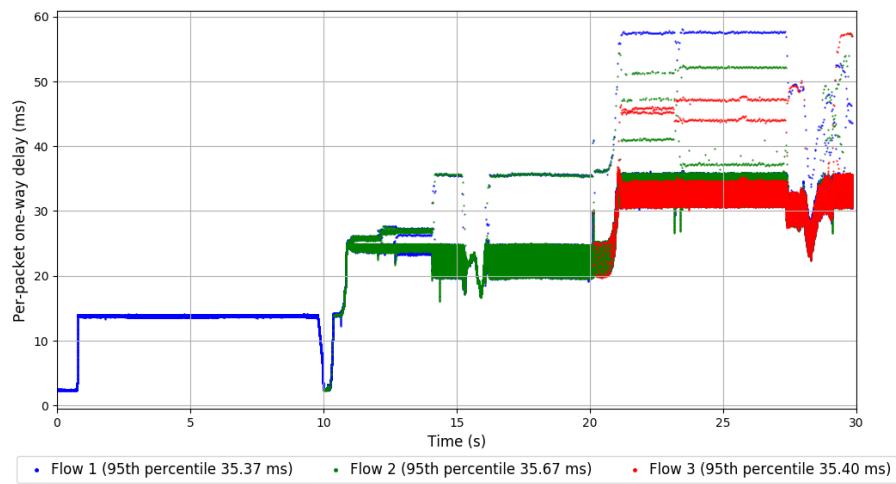
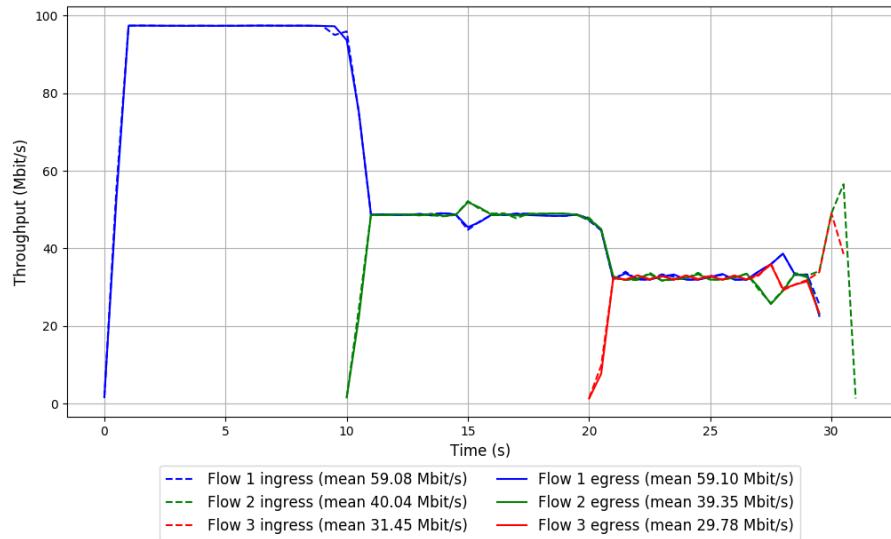


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-16 11:33:55
End at: 2018-02-16 11:34:25
Local clock offset: -5.347 ms
Remote clock offset: -4.715 ms

# Below is generated by plot.py at 2018-02-16 17:49:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 35.571 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 35.371 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 35.666 ms
Loss rate: 7.17%
-- Flow 3:
Average throughput: 29.78 Mbit/s
95th percentile per-packet one-way delay: 35.395 ms
Loss rate: 14.69%
```

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 11:54:24

End at: 2018-02-16 11:54:54

Local clock offset: -6.692 ms

Remote clock offset: -5.135 ms

Run 4: Report of Vivace-loss — Data Link

Figure is missing

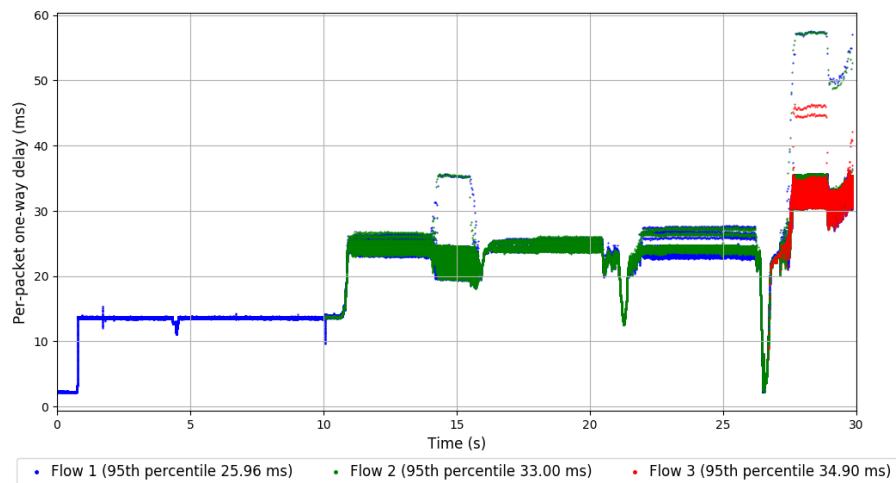
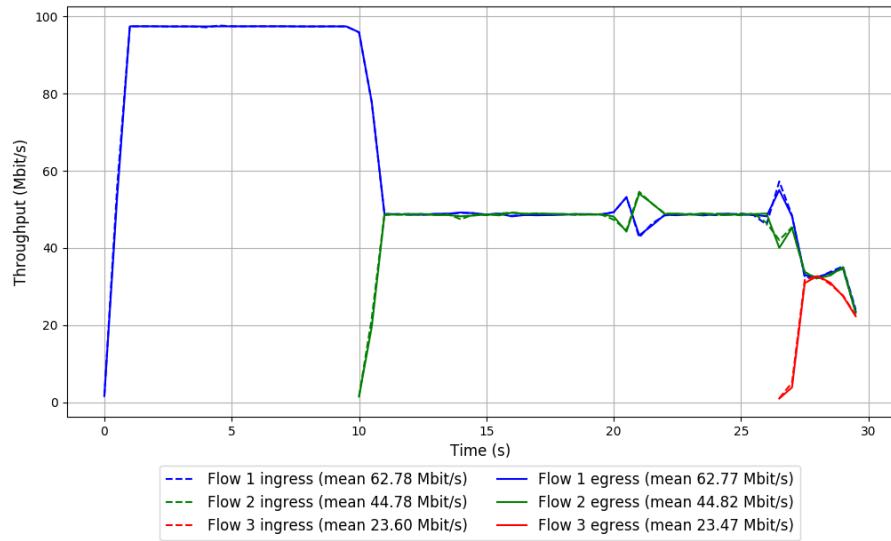
Figure is missing

Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-16 12:14:47
End at: 2018-02-16 12:15:17
Local clock offset: -6.831 ms
Remote clock offset: -5.198 ms

# Below is generated by plot.py at 2018-02-16 17:49:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.427 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 25.961 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 33.001 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 34.896 ms
Loss rate: 1.42%
```

Run 5: Report of Vivace-loss — Data Link

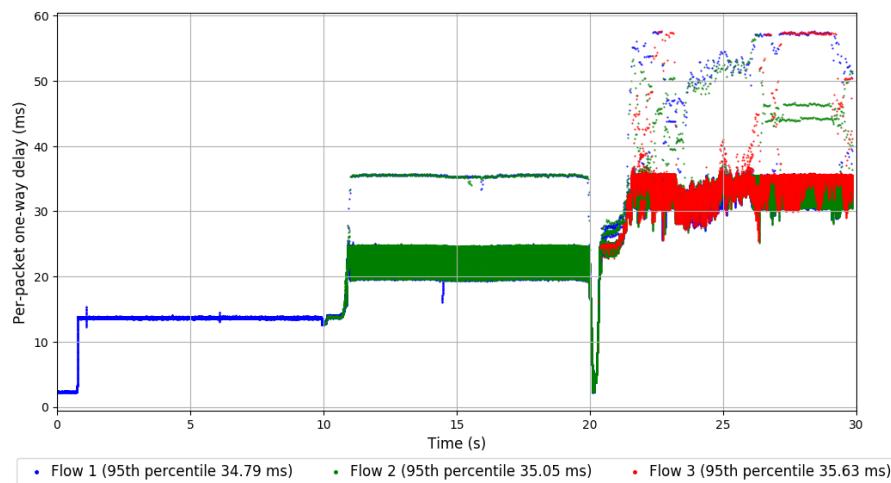
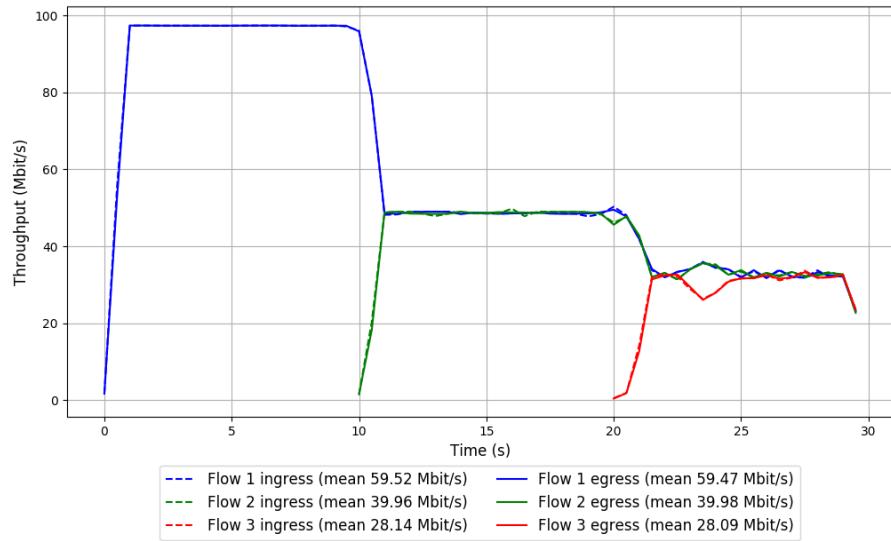


Run 6: Statistics of Vivace-loss

```
Start at: 2018-02-16 12:35:13
End at: 2018-02-16 12:35:43
Local clock offset: -6.983 ms
Remote clock offset: -5.302 ms

# Below is generated by plot.py at 2018-02-16 17:49:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 35.384 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 34.786 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 35.053 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 35.631 ms
Loss rate: 0.40%
```

Run 6: Report of Vivace-loss — Data Link

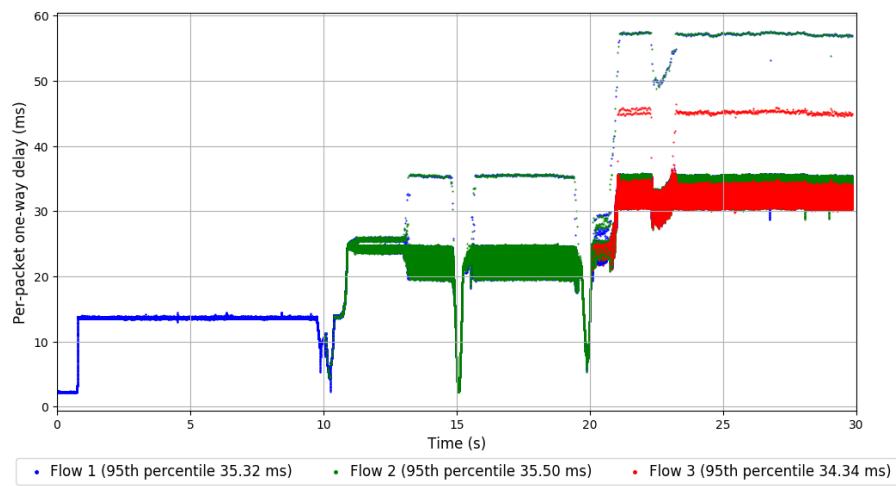
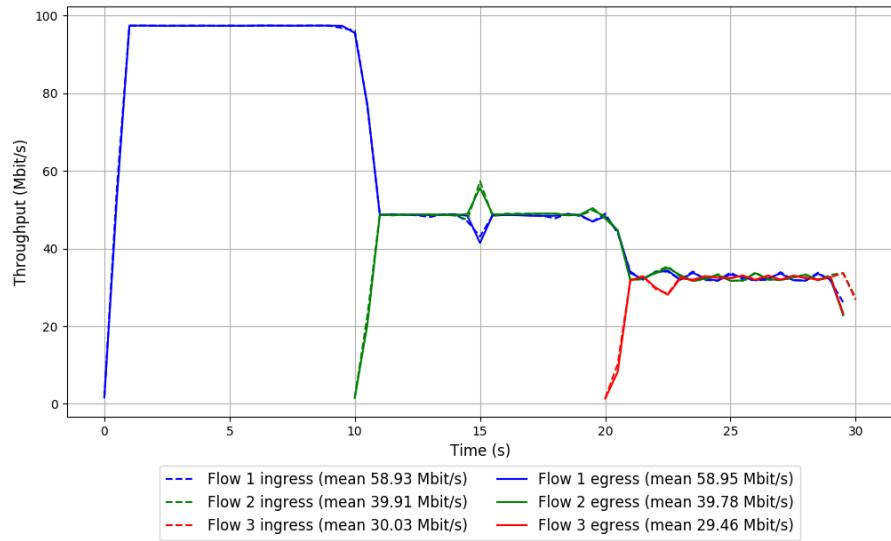


Run 7: Statistics of Vivace-loss

```
Start at: 2018-02-16 12:55:38
End at: 2018-02-16 12:56:08
Local clock offset: -7.431 ms
Remote clock offset: -5.538 ms

# Below is generated by plot.py at 2018-02-16 17:49:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 35.405 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 35.321 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 35.498 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 34.344 ms
Loss rate: 6.37%
```

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 13:16:02

End at: 2018-02-16 13:16:32

Local clock offset: -7.234 ms

Remote clock offset: -5.798 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 13:36:23

End at: 2018-02-16 13:36:53

Local clock offset: -7.133 ms

Remote clock offset: -5.535 ms

Run 9: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 13:56:47

End at: 2018-02-16 13:57:17

Local clock offset: -5.026 ms

Remote clock offset: -5.546 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

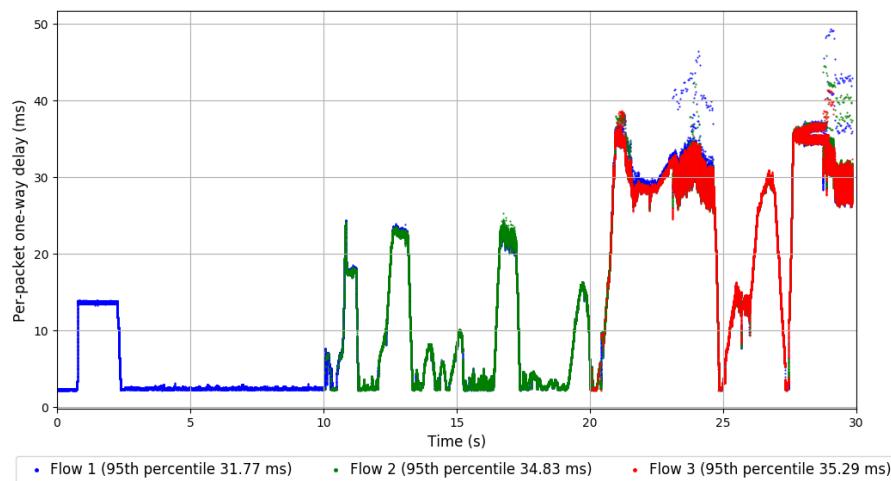
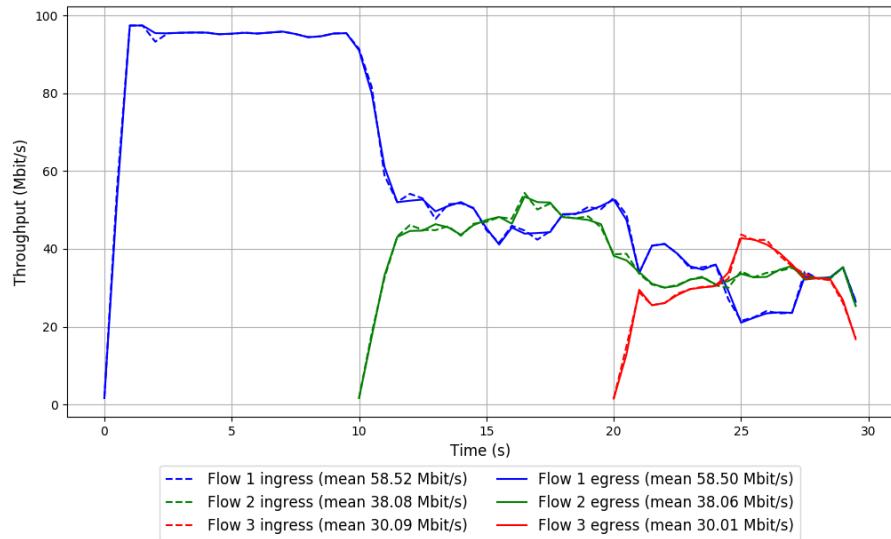
Figure is missing

Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-16 10:41:43
End at: 2018-02-16 10:42:13
Local clock offset: -8.777 ms
Remote clock offset: -4.501 ms

# Below is generated by plot.py at 2018-02-16 17:49:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 34.658 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 31.772 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 34.828 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 35.290 ms
Loss rate: 0.30%
```

Run 1: Report of Vivace-LTE — Data Link

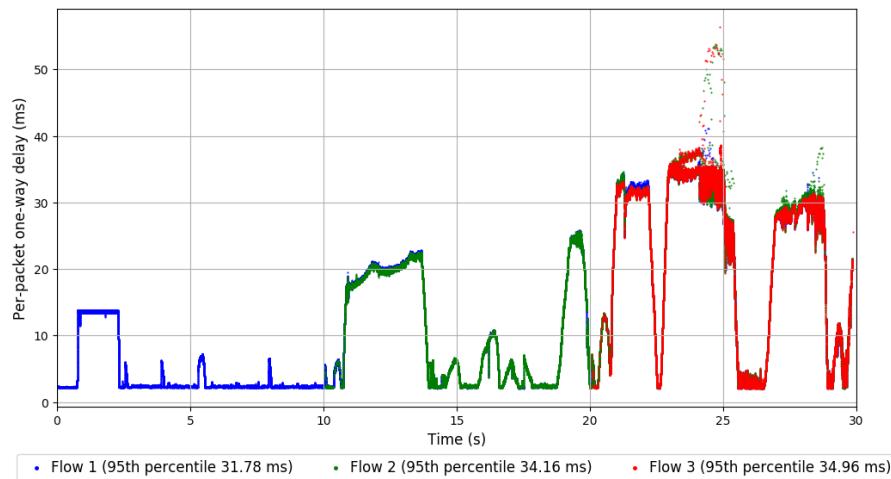
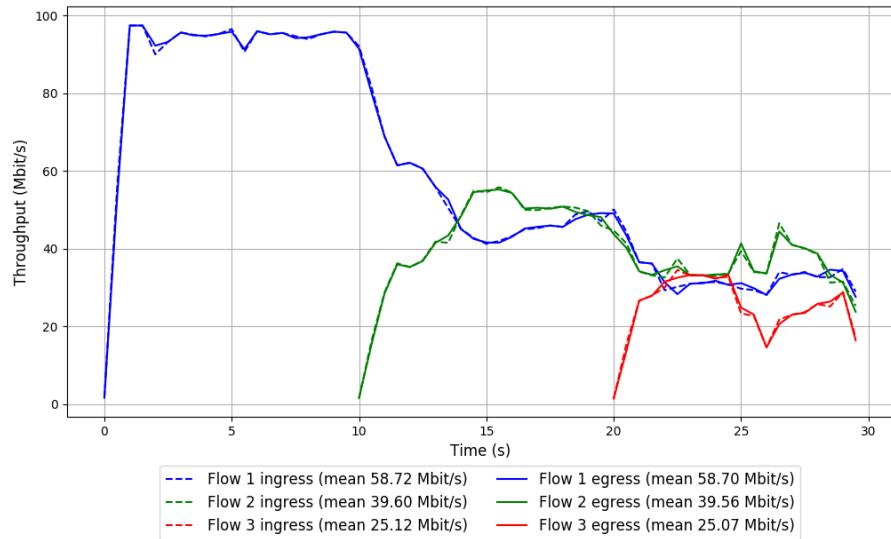


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-16 11:02:10
End at: 2018-02-16 11:02:40
Local clock offset: -4.801 ms
Remote clock offset: -4.293 ms

# Below is generated by plot.py at 2018-02-16 17:50:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 33.892 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 31.779 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 34.158 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 34.957 ms
Loss rate: 0.20%
```

Run 2: Report of Vivace-LTE — Data Link

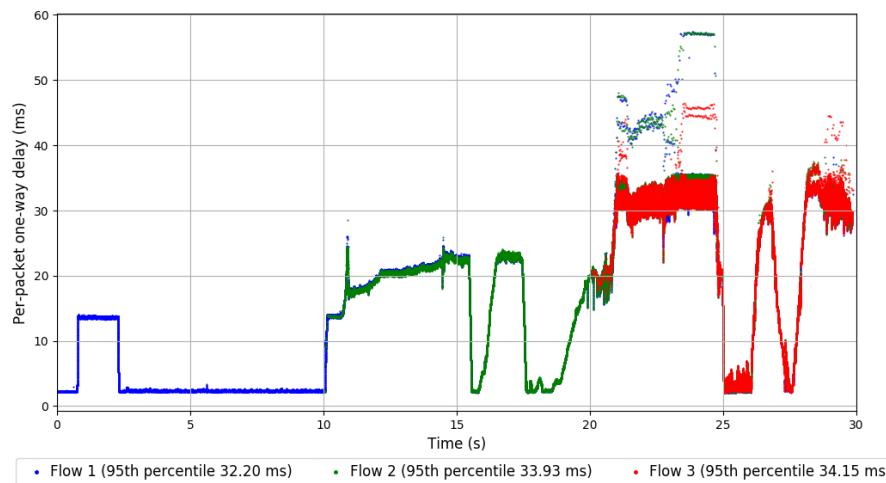
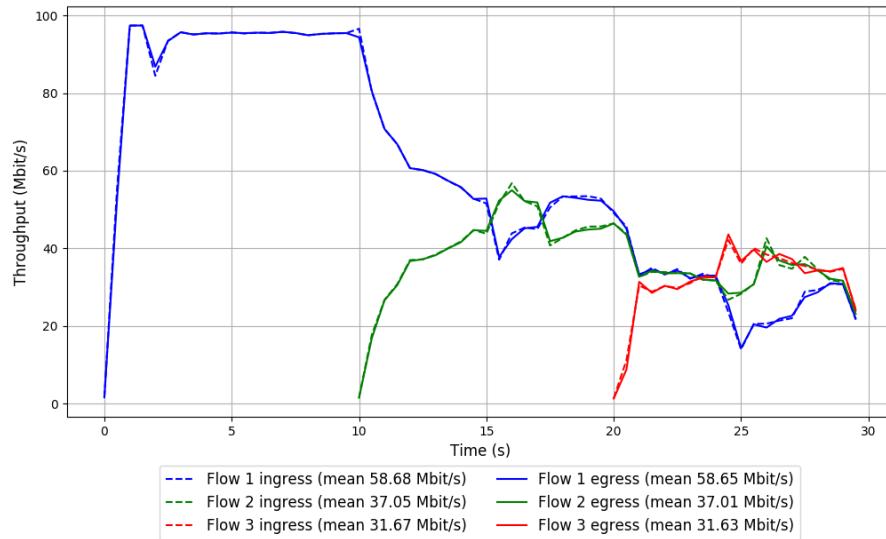


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-16 11:22:35
End at: 2018-02-16 11:23:05
Local clock offset: -2.809 ms
Remote clock offset: -4.71 ms

# Below is generated by plot.py at 2018-02-16 17:50:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 33.356 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.65 Mbit/s
95th percentile per-packet one-way delay: 32.195 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 33.932 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 34.154 ms
Loss rate: 0.34%
```

Run 3: Report of Vivace-LTE — Data Link

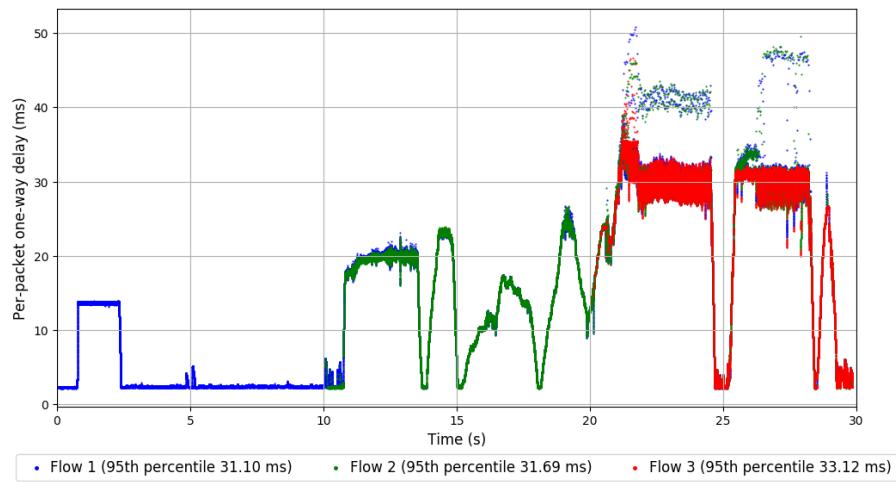
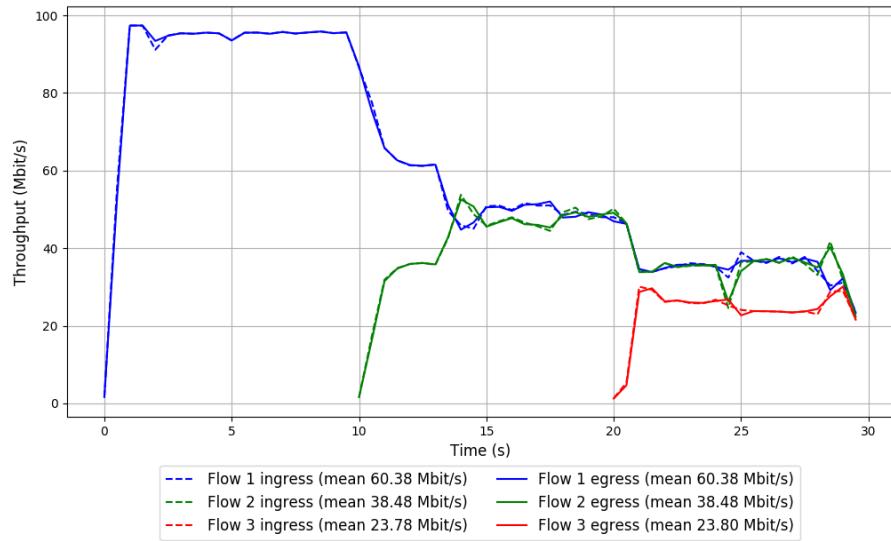


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-16 11:43:02
End at: 2018-02-16 11:43:32
Local clock offset: -6.268 ms
Remote clock offset: -4.739 ms

# Below is generated by plot.py at 2018-02-16 17:50:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 31.526 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.38 Mbit/s
95th percentile per-packet one-way delay: 31.100 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.08%
```

Run 4: Report of Vivace-LTE — Data Link

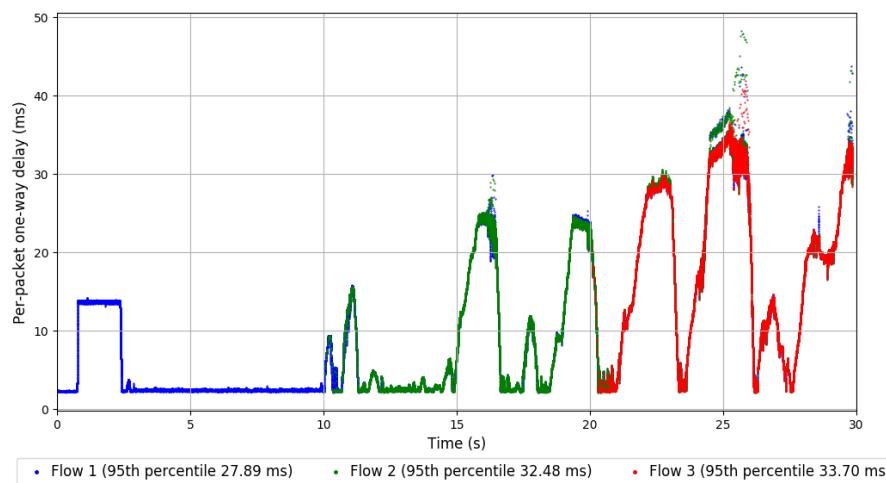
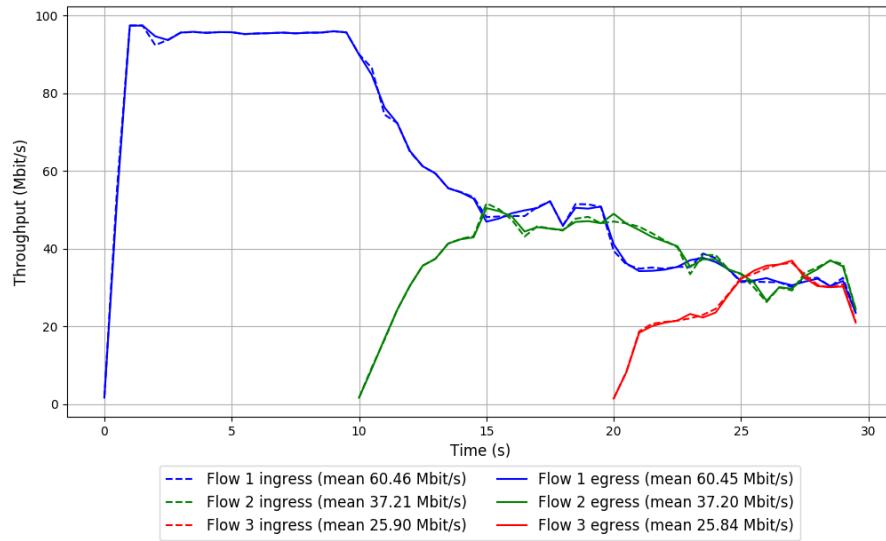


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-16 12:03:26
End at: 2018-02-16 12:03:56
Local clock offset: -6.747 ms
Remote clock offset: -5.139 ms

# Below is generated by plot.py at 2018-02-16 17:50:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 31.446 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 27.886 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 32.476 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 33.701 ms
Loss rate: 0.43%
```

Run 5: Report of Vivace-LTE — Data Link

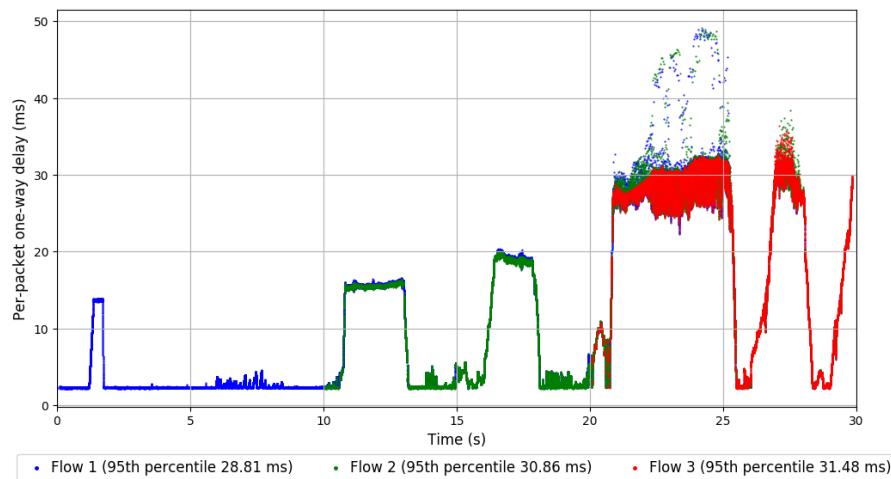
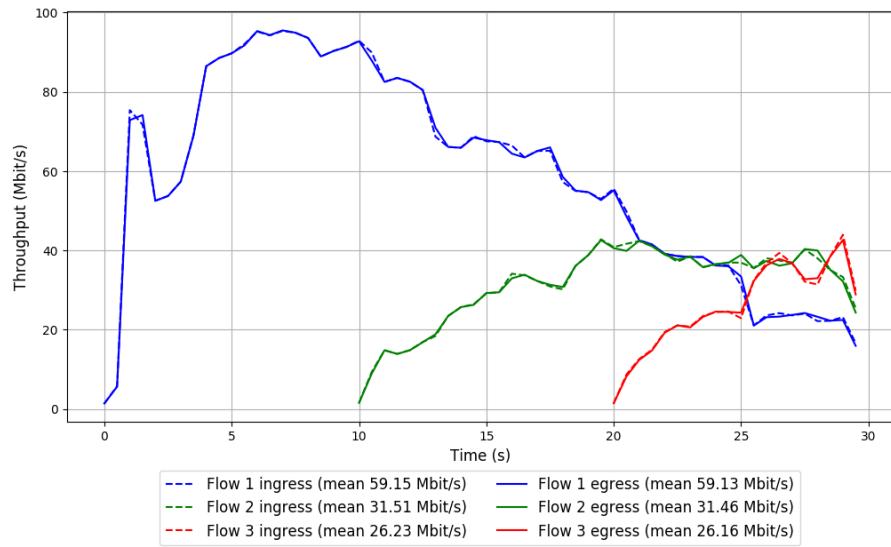


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-16 12:23:52
End at: 2018-02-16 12:24:22
Local clock offset: -6.873 ms
Remote clock offset: -5.331 ms

# Below is generated by plot.py at 2018-02-16 17:51:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.62 Mbit/s
95th percentile per-packet one-way delay: 30.370 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 28.806 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 30.860 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 31.478 ms
Loss rate: 0.49%
```

Run 6: Report of Vivace-LTE — Data Link

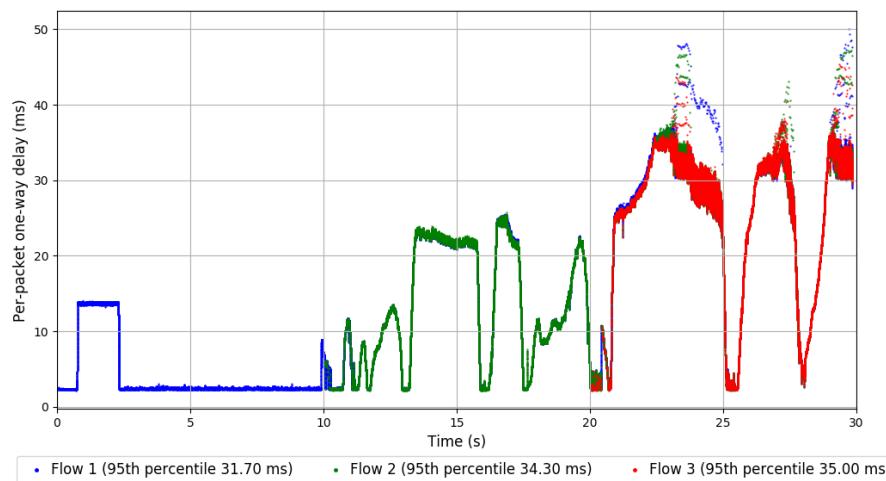
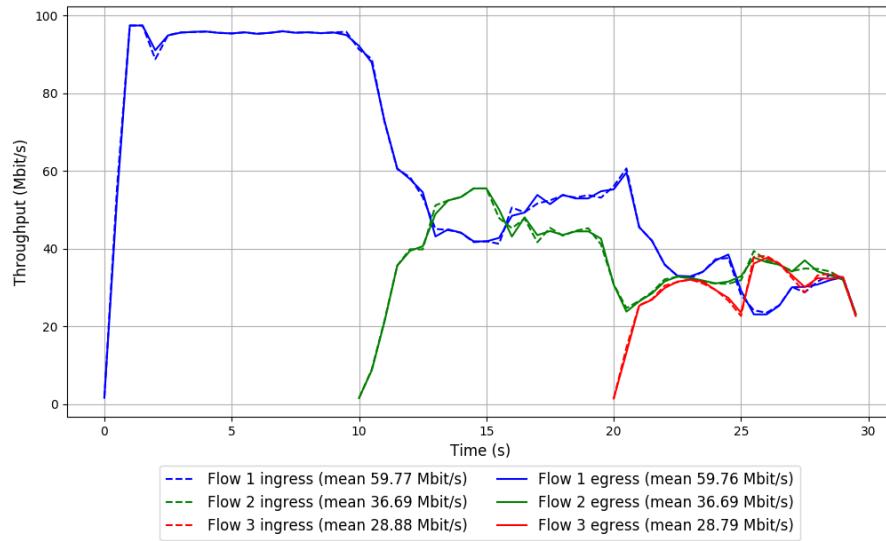


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-16 12:44:18
End at: 2018-02-16 12:44:48
Local clock offset: -7.248 ms
Remote clock offset: -5.312 ms

# Below is generated by plot.py at 2018-02-16 17:51:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 33.809 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 31.700 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 34.303 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 34.997 ms
Loss rate: 0.40%
```

Run 7: Report of Vivace-LTE — Data Link

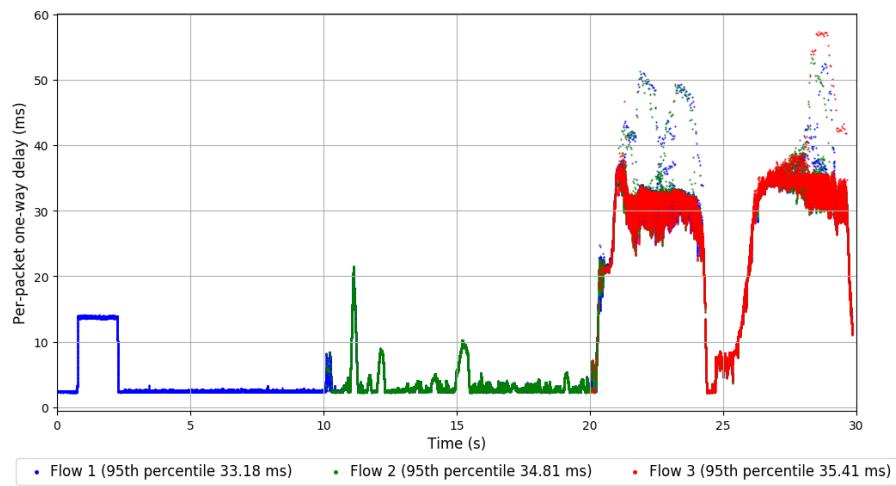
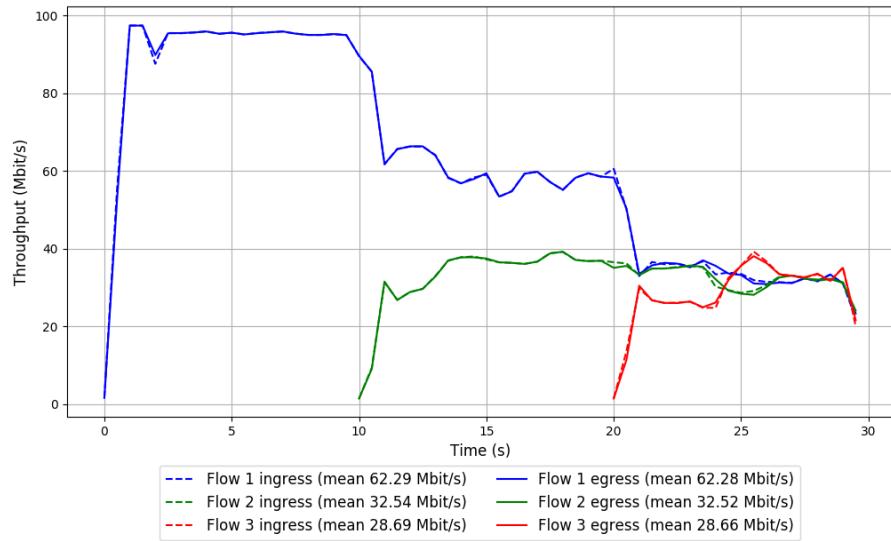


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-16 13:04:42
End at: 2018-02-16 13:05:12
Local clock offset: -7.535 ms
Remote clock offset: -5.757 ms

# Below is generated by plot.py at 2018-02-16 17:51:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 34.541 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.28 Mbit/s
95th percentile per-packet one-way delay: 33.180 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 34.806 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.66 Mbit/s
95th percentile per-packet one-way delay: 35.405 ms
Loss rate: 0.13%
```

Run 8: Report of Vivace-LTE — Data Link

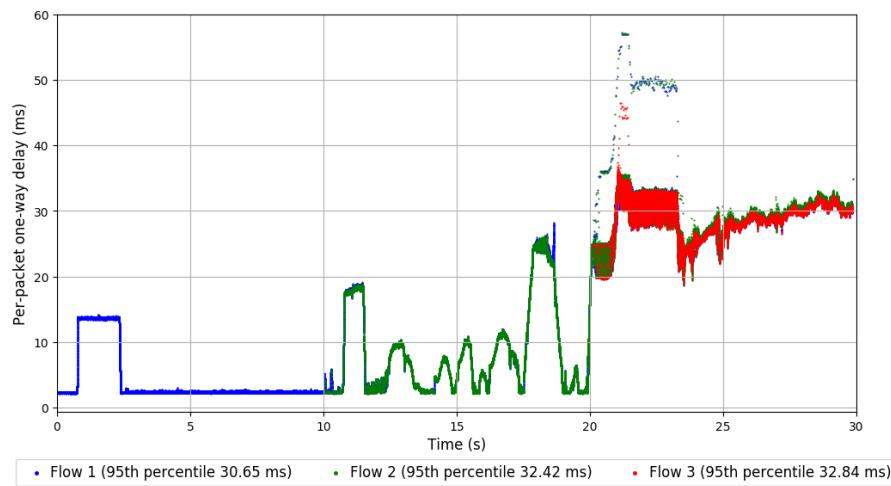
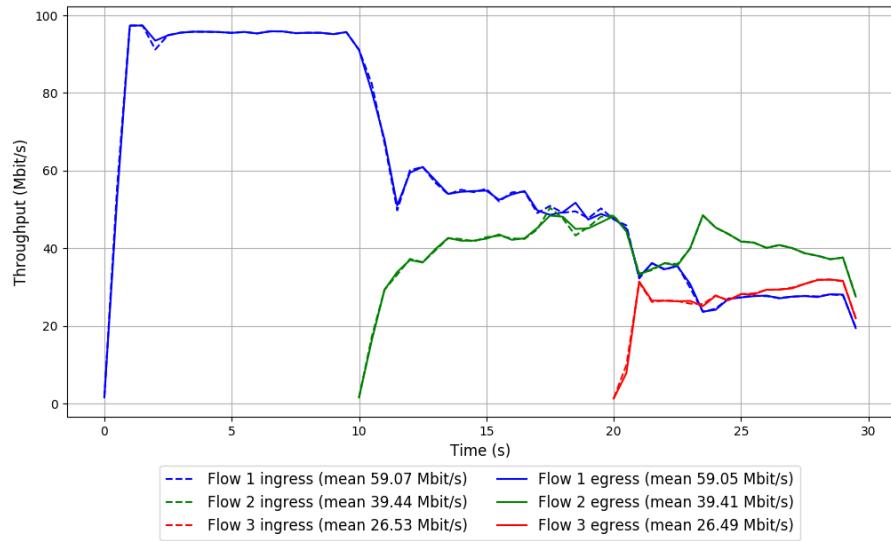


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-16 13:25:05
End at: 2018-02-16 13:25:35
Local clock offset: -7.18 ms
Remote clock offset: -5.788 ms

# Below is generated by plot.py at 2018-02-16 17:51:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 31.951 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.05 Mbit/s
95th percentile per-packet one-way delay: 30.647 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 32.838 ms
Loss rate: 0.38%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-16 13:45:26
End at: 2018-02-16 13:45:56
Local clock offset: -6.166 ms
Remote clock offset: -5.483 ms

# Below is generated by plot.py at 2018-02-16 17:51:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 33.419 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 32.476 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 33.758 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.69 Mbit/s
95th percentile per-packet one-way delay: 34.458 ms
Loss rate: 0.40%
```

Run 10: Report of Vivace-LTE — Data Link

