

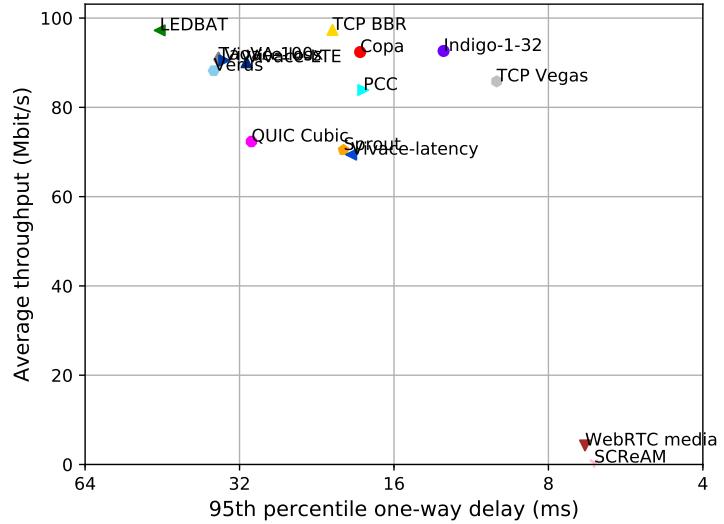
## Pantheon Report

Generated at 2018-02-28 07:14:49 (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.

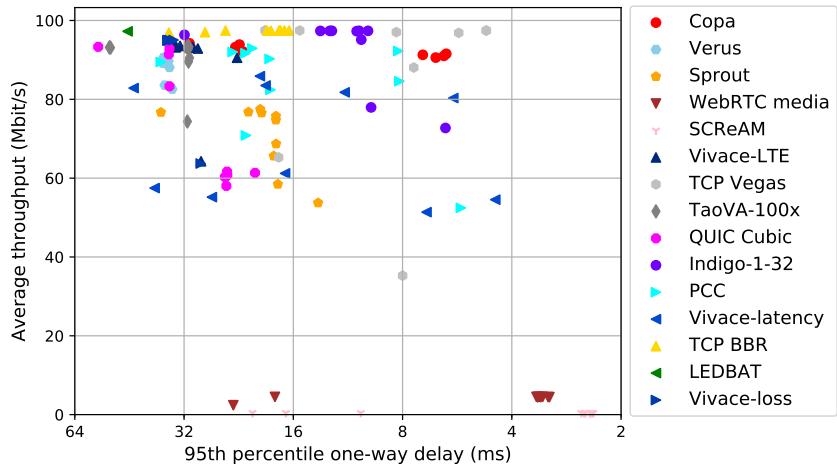
### Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
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 @ 6f2efe6e088d91066a9f023df375eee2665089ce
  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



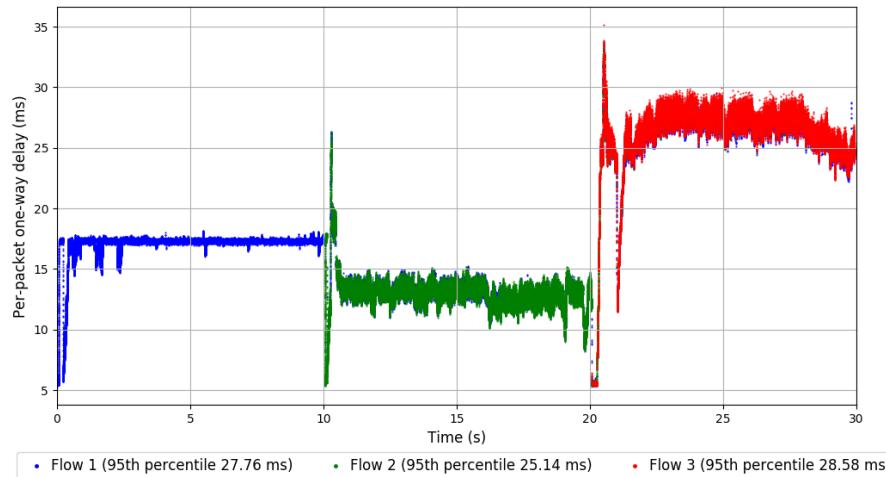
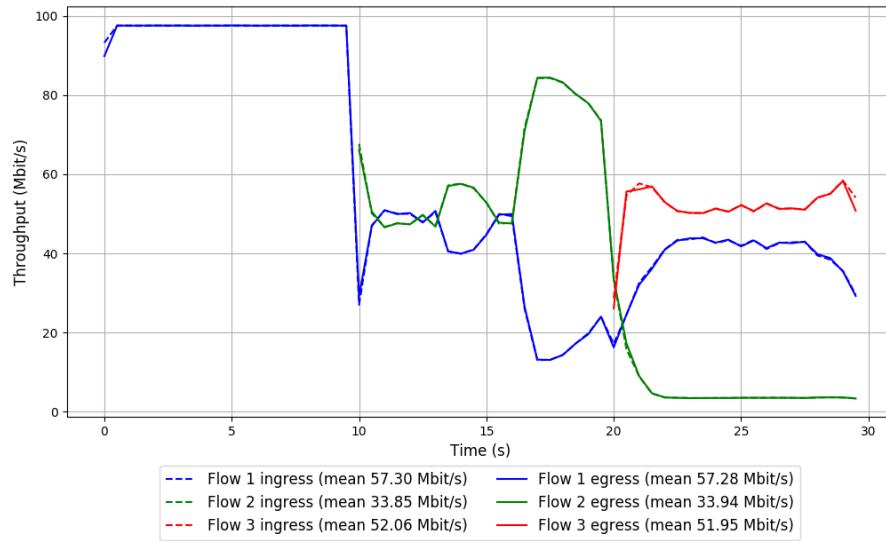
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	62.77	40.21	23.63	20.97	20.49	24.18	0.08	0.06	0.21
TCP Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEDBAT	1	87.15	0.00	45.33	45.61	34.57	45.96	0.04	0.00	0.53
PCC	10	61.19	29.63	9.11	17.79	19.22	16.11	0.04	0.09	0.17
QUIC Cubic	10	21.64	58.19	37.51	17.58	30.32	30.47	0.03	0.11	0.35
SCReAM	10	0.22	0.22	0.22	6.53	6.50	6.52	0.01	0.02	0.07
WebRTC media	10	2.13	1.50	0.67	6.88	6.72	6.91	0.00	0.11	0.13
Sprout	10	35.92	37.82	28.47	19.38	19.84	21.51	0.05	0.05	0.16
TaoVA-100x	10	54.18	39.42	31.11	34.88	35.18	35.27	0.06	0.14	0.35
TCP Vegas	9	37.79	40.68	63.22	9.39	9.00	9.19	0.01	0.02	0.07
Verus	10	51.16	40.11	30.90	34.83	35.90	36.70	0.07	0.17	0.43
Copa	10	60.25	33.99	31.61	18.09	17.34	18.98	0.05	0.14	0.45
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo-1-32	10	44.76	47.86	49.09	11.97	12.81	13.70	0.01	0.04	0.12
Vivace-latency	10	39.17	36.10	18.99	16.95	18.94	20.66	0.03	0.05	0.20
Vivace-loss	7	53.59	42.71	26.07	33.68	34.45	34.53	0.57	2.67	4.33
Vivace-LTE	10	56.51	38.70	24.00	29.50	31.41	32.43	0.04	0.12	0.27

Run 1: Statistics of TCP BBR

```
Start at: 2018-02-28 00:07:15
End at: 2018-02-28 00:07:45
Local clock offset: 0.28 ms
Remote clock offset: -9.477 ms

# Below is generated by plot.py at 2018-02-28 06:53:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 28.012 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 27.759 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 25.143 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 28.581 ms
Loss rate: 0.61%
```

## Run 1: Report of TCP BBR — Data Link

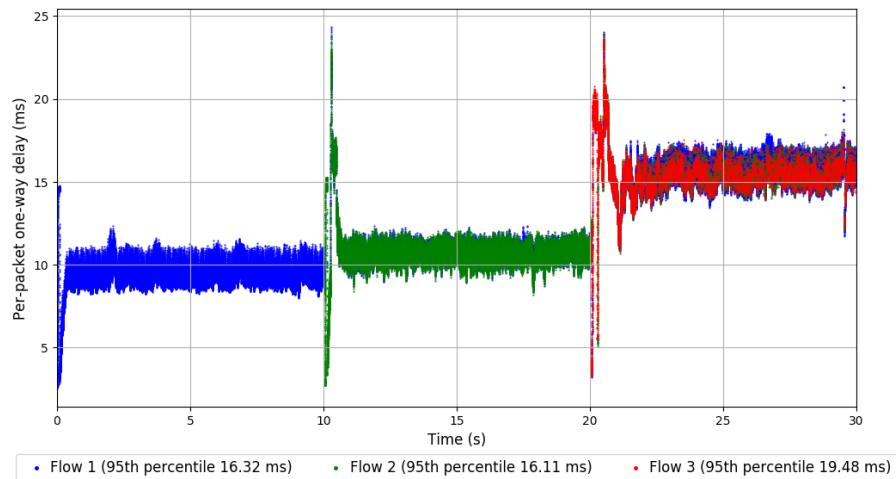
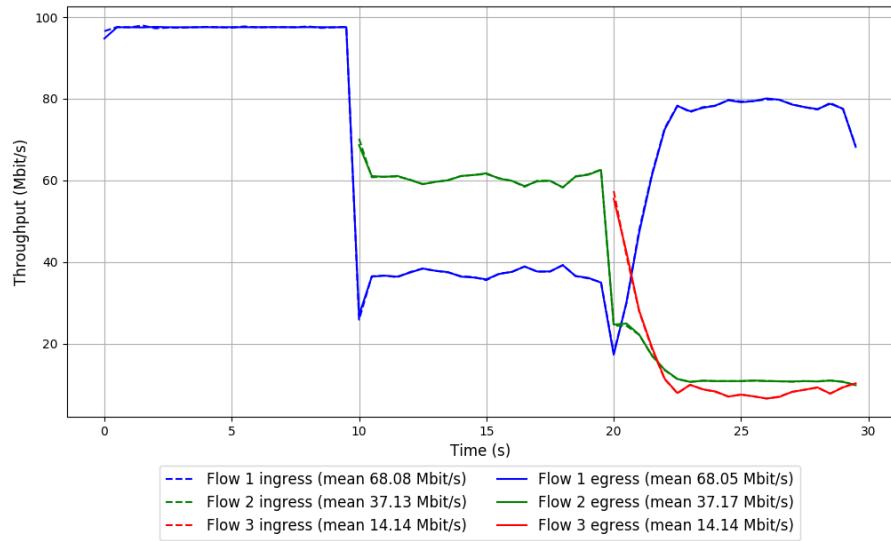


Run 2: Statistics of TCP BBR

```
Start at: 2018-02-28 00:27:55
End at: 2018-02-28 00:28:25
Local clock offset: -3.858 ms
Remote clock offset: -6.265 ms

# Below is generated by plot.py at 2018-02-28 06:53:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 16.428 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 68.05 Mbit/s
95th percentile per-packet one-way delay: 16.322 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 16.110 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.15%
```

## Run 2: Report of TCP BBR — Data Link

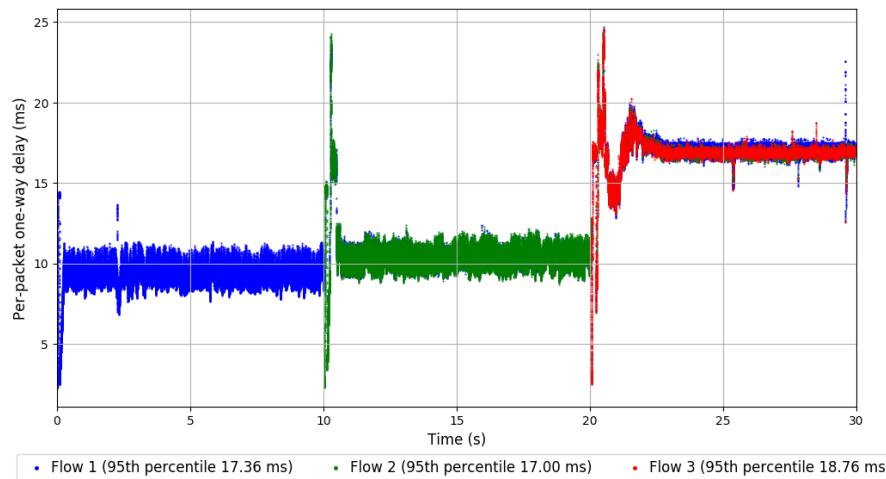
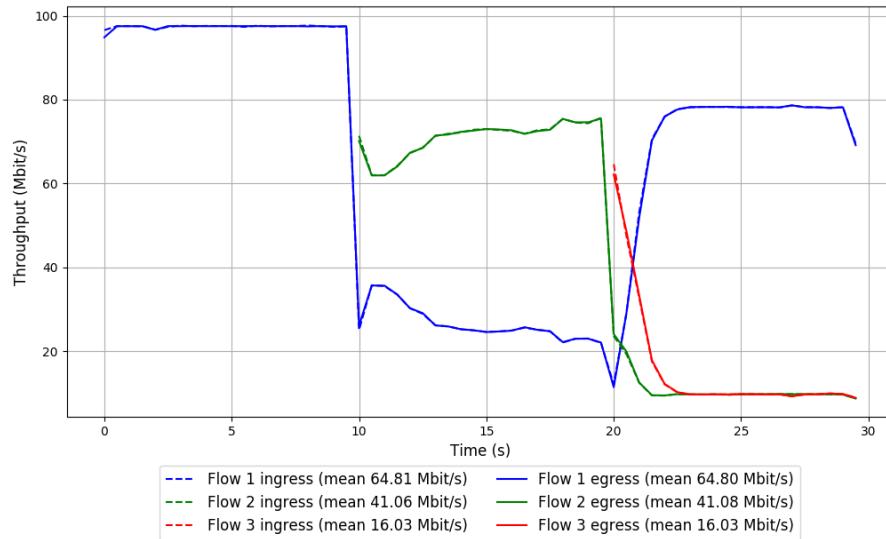


Run 3: Statistics of TCP BBR

```
Start at: 2018-02-28 00:48:23
End at: 2018-02-28 00:48:53
Local clock offset: -9.156 ms
Remote clock offset: -6.152 ms

# Below is generated by plot.py at 2018-02-28 06:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 17.359 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 17.356 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 16.996 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.03 Mbit/s
95th percentile per-packet one-way delay: 18.758 ms
Loss rate: 0.12%
```

### Run 3: Report of TCP BBR — Data Link

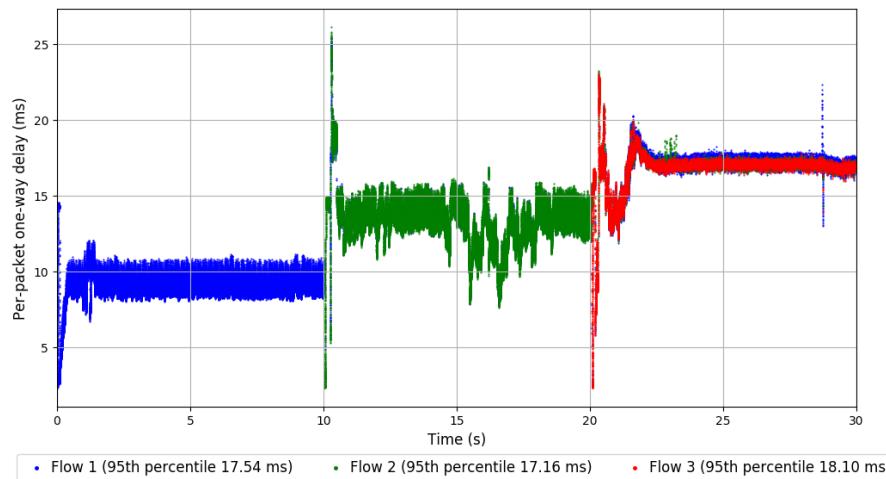
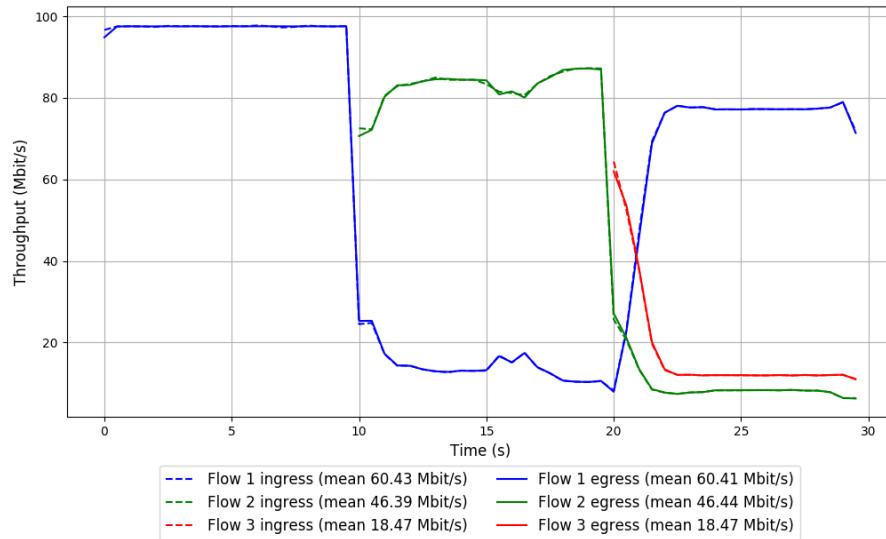


Run 4: Statistics of TCP BBR

```
Start at: 2018-02-28 01:08:53
End at: 2018-02-28 01:09:23
Local clock offset: -8.12 ms
Remote clock offset: -7.939 ms

# Below is generated by plot.py at 2018-02-28 06:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 17.520 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 60.41 Mbit/s
95th percentile per-packet one-way delay: 17.540 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 46.44 Mbit/s
95th percentile per-packet one-way delay: 17.160 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 18.102 ms
Loss rate: 0.12%
```

## Run 4: Report of TCP BBR — Data Link

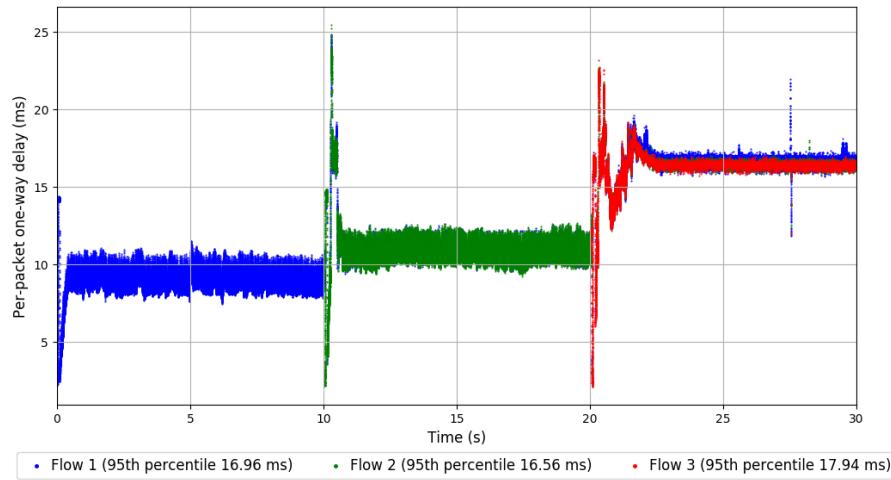
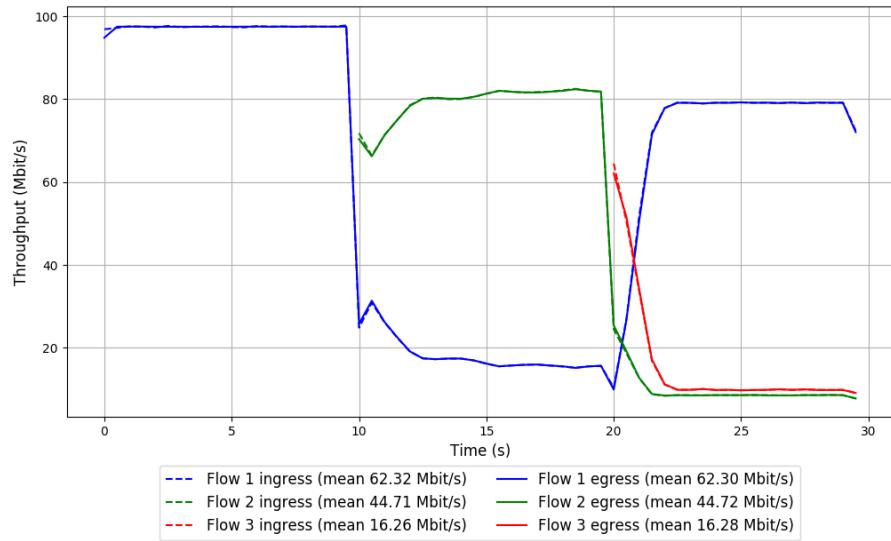


Run 5: Statistics of TCP BBR

```
Start at: 2018-02-28 01:29:18
End at: 2018-02-28 01:29:48
Local clock offset: -8.477 ms
Remote clock offset: -7.042 ms

# Below is generated by plot.py at 2018-02-28 06:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 16.927 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 16.963 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 16.562 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 17.937 ms
Loss rate: 0.13%
```

### Run 5: Report of TCP BBR — Data Link

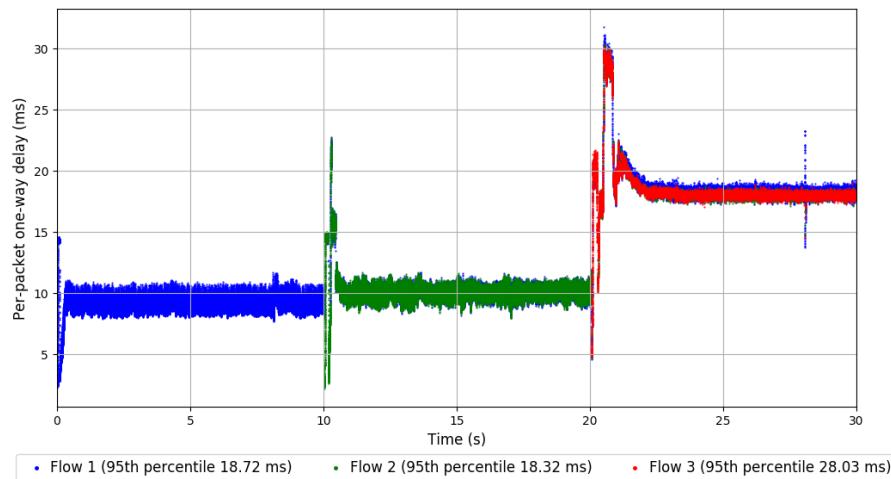
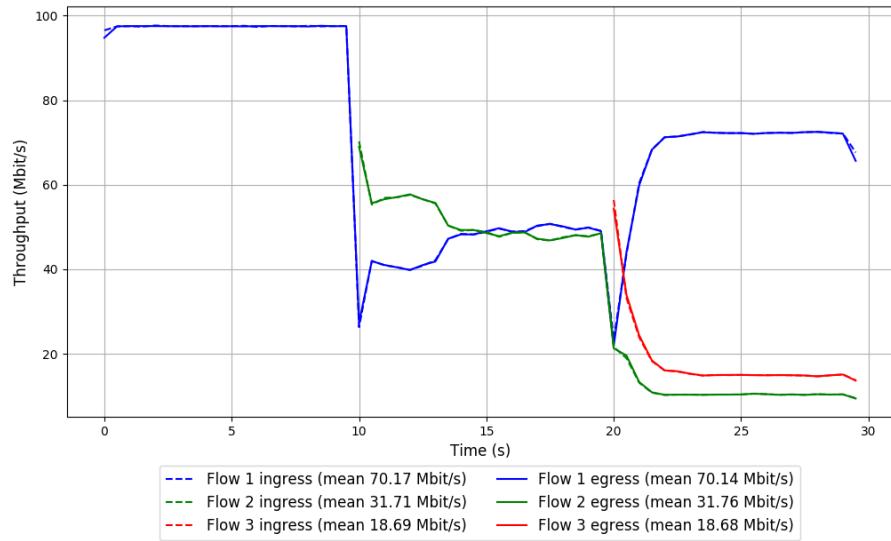


Run 6: Statistics of TCP BBR

```
Start at: 2018-02-28 01:49:41
End at: 2018-02-28 01:50:11
Local clock offset: -3.059 ms
Remote clock offset: -6.217 ms

# Below is generated by plot.py at 2018-02-28 06:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 18.720 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 18.320 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 28.026 ms
Loss rate: 0.17%
```

## Run 6: Report of TCP BBR — Data Link

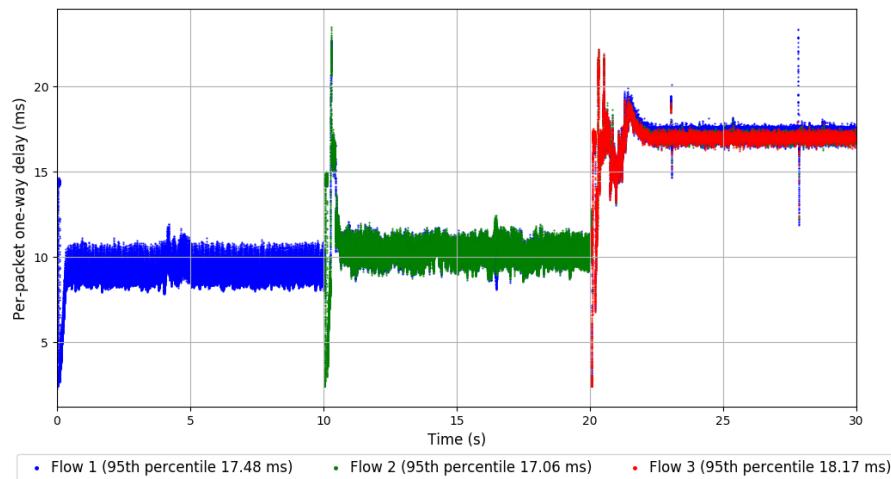
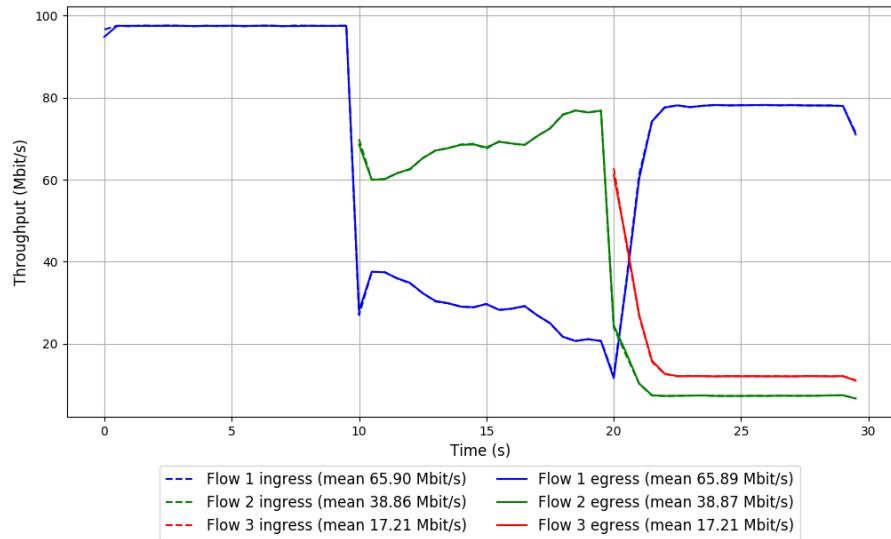


Run 7: Statistics of TCP BBR

```
Start at: 2018-02-28 02:10:05
End at: 2018-02-28 02:10:35
Local clock offset: -3.106 ms
Remote clock offset: -6.3 ms

# Below is generated by plot.py at 2018-02-28 06:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 17.427 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 17.480 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 17.058 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 18.167 ms
Loss rate: 0.14%
```

### Run 7: Report of TCP BBR — Data Link

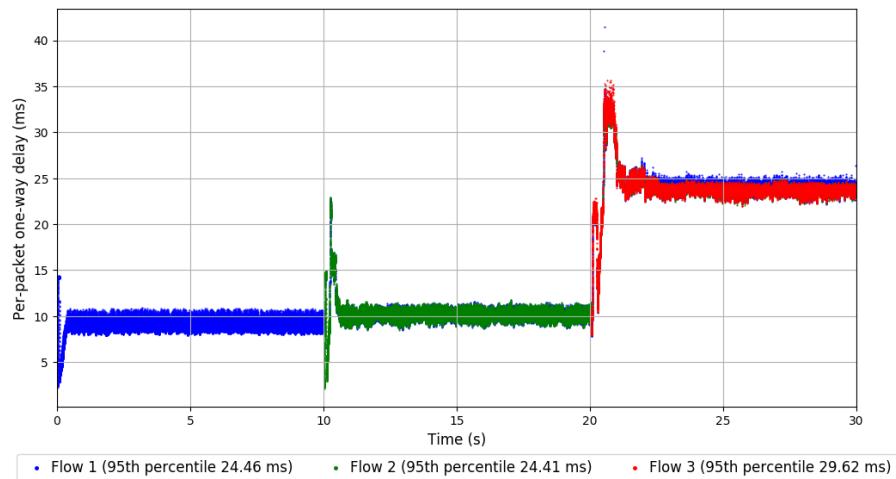
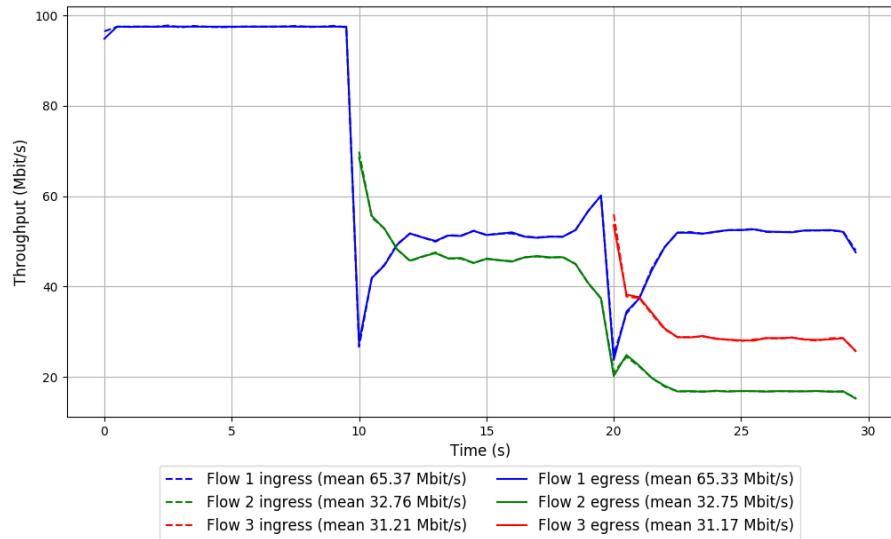


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-28 02:30:31
End at: 2018-02-28 02:31:01
Local clock offset: -3.666 ms
Remote clock offset: -6.268 ms

# Below is generated by plot.py at 2018-02-28 06:53:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 24.606 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 65.33 Mbit/s
95th percentile per-packet one-way delay: 24.463 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 24.413 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 29.622 ms
Loss rate: 0.23%
```

### Run 8: Report of TCP BBR — Data Link

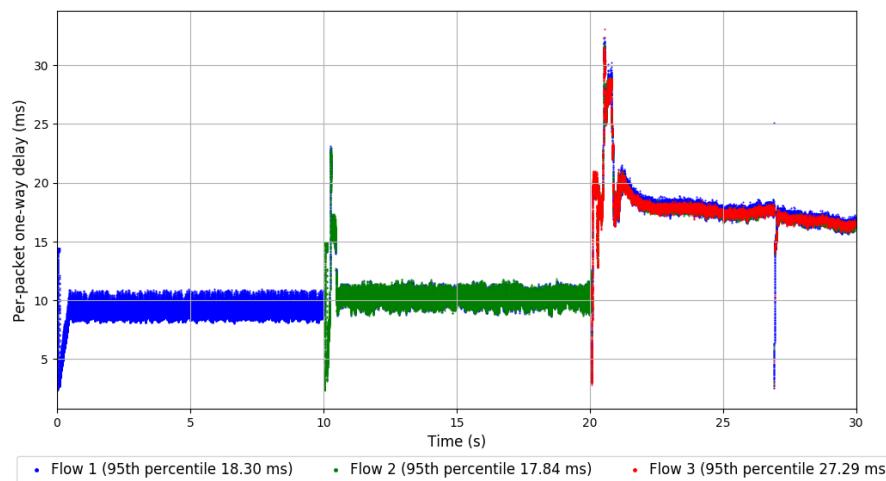
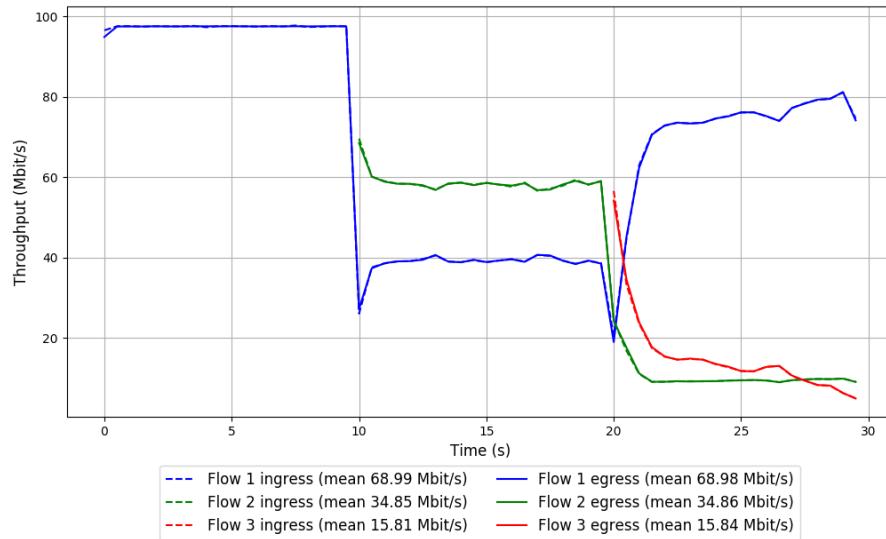


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-28 02:50:55
End at: 2018-02-28 02:51:25
Local clock offset: -5.631 ms
Remote clock offset: -7.258 ms

# Below is generated by plot.py at 2018-02-28 06:55:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 18.442 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 18.298 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 17.838 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 27.294 ms
Loss rate: 0.08%
```

### Run 9: Report of TCP BBR — Data Link

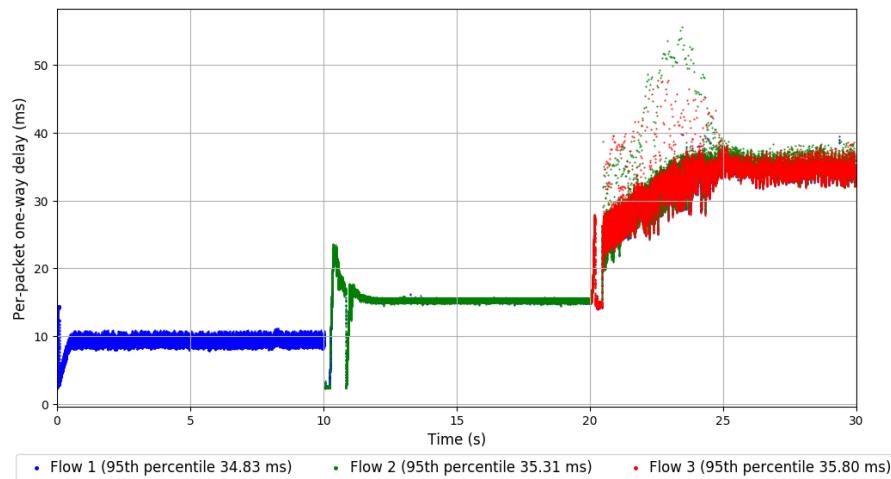
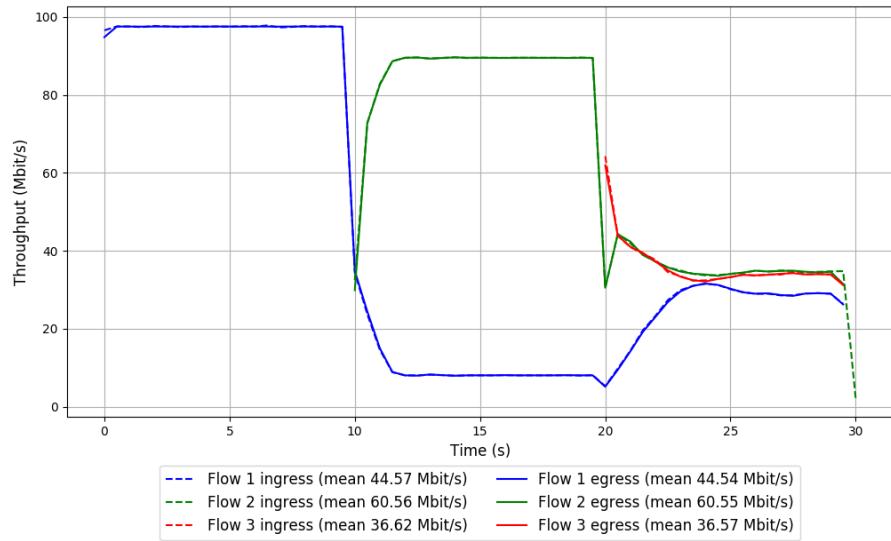


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-28 03:11:21
End at: 2018-02-28 03:11:51
Local clock offset: -6.684 ms
Remote clock offset: -7.036 ms

# Below is generated by plot.py at 2018-02-28 06:55:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 35.225 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 34.826 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 35.308 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 35.799 ms
Loss rate: 0.37%
```

## Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 00:18:50

End at: 2018-02-28 00:19:20

Local clock offset: 0.942 ms

Remote clock offset: -6.644 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 00:39:18

End at: 2018-02-28 00:39:48

Local clock offset: -7.738 ms

Remote clock offset: -6.093 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 00:59:51

End at: 2018-02-28 01:00:21

Local clock offset: -8.909 ms

Remote clock offset: -7.559 ms

Run 3: Report of TCP Cubic — Data Link

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Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 01:20:16

End at: 2018-02-28 01:20:46

Local clock offset: -8.184 ms

Remote clock offset: -8.214 ms

Run 4: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 01:40:41

End at: 2018-02-28 01:41:11

Local clock offset: -4.304 ms

Remote clock offset: -6.366 ms

Run 5: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 02:01:05

End at: 2018-02-28 02:01:35

Local clock offset: -2.354 ms

Remote clock offset: -6.211 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 02:21:29

End at: 2018-02-28 02:21:59

Local clock offset: -3.603 ms

Remote clock offset: -6.247 ms

Run 7: Report of TCP Cubic — Data Link

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Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 02:41:54

End at: 2018-02-28 02:42:24

Local clock offset: -4.535 ms

Remote clock offset: -6.96 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 03:02:20

End at: 2018-02-28 03:02:50

Local clock offset: -6.358 ms

Remote clock offset: -7.425 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 03:22:46

End at: 2018-02-28 03:23:16

Local clock offset: -4.583 ms

Remote clock offset: -6.847 ms

Run 10: Report of TCP Cubic — Data Link

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Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-02-28 00:06:05  
End at: 2018-02-28 00:06:35  
Local clock offset: 0.211 ms  
Remote clock offset: -6.418 ms

Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2018-02-28 00:26:47  
End at: 2018-02-28 00:27:17  
Local clock offset: -3.222 ms  
Remote clock offset: -6.253 ms

Run 2: Report of LEDBAT — Data Link

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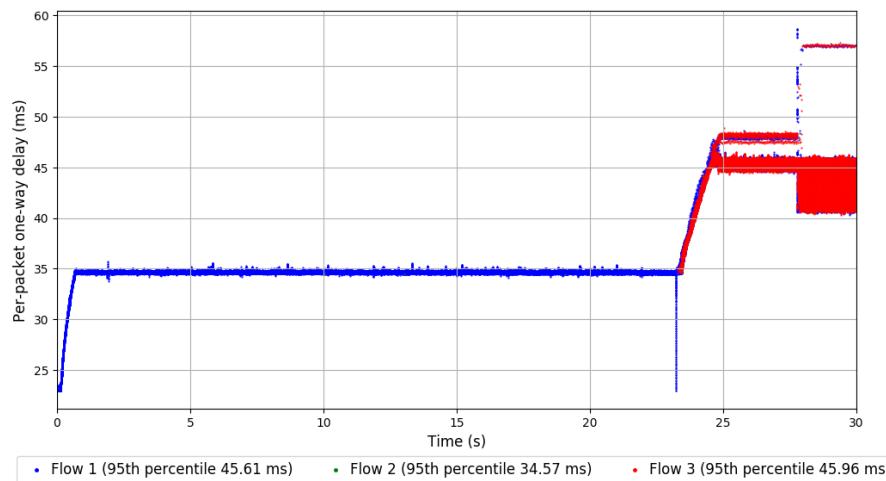
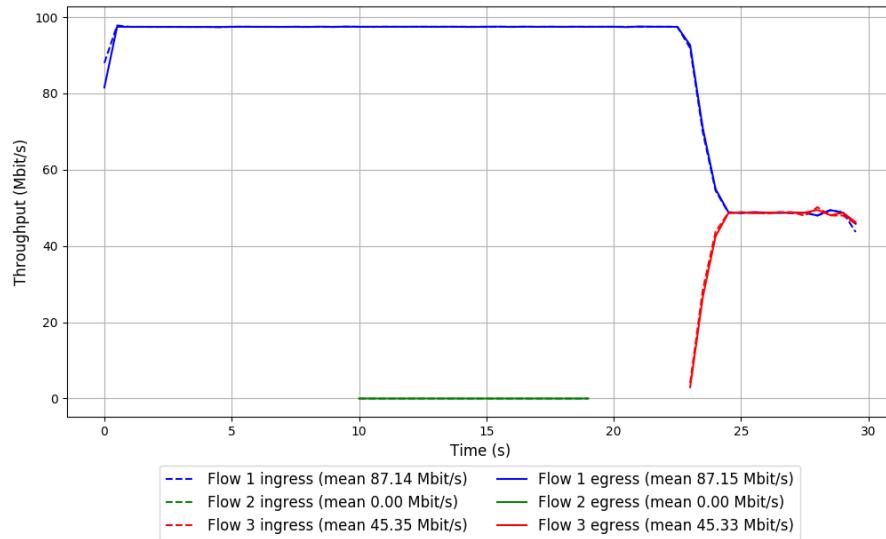
Figure is missing

Run 3: Statistics of LEDBAT

```
Start at: 2018-02-28 00:47:13
End at: 2018-02-28 00:47:43
Local clock offset: -8.977 ms
Remote clock offset: -26.55 ms

# Below is generated by plot.py at 2018-02-28 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 45.792 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 45.609 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 34.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 45.959 ms
Loss rate: 0.53%
```

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-28 01:07:45  
End at: 2018-02-28 01:08:15  
Local clock offset: -8.042 ms  
Remote clock offset: -7.823 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-02-28 01:28:10  
End at: 2018-02-28 01:28:40  
Local clock offset: -8.427 ms  
Remote clock offset: -7.206 ms

Run 5: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-02-28 01:48:33  
End at: 2018-02-28 01:49:03  
Local clock offset: -3.148 ms  
Remote clock offset: -26.358 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-02-28 02:08:57  
End at: 2018-02-28 02:09:27  
Local clock offset: -2.967 ms  
Remote clock offset: -6.243 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-02-28 02:29:23  
End at: 2018-02-28 02:29:53  
Local clock offset: -3.719 ms  
Remote clock offset: -23.56 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-28 02:49:48  
End at: 2018-02-28 02:50:18  
Local clock offset: -5.439 ms  
Remote clock offset: -7.172 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-02-28 03:10:13

End at: 2018-02-28 03:10:43

Local clock offset: -6.664 ms

Remote clock offset: -7.106 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

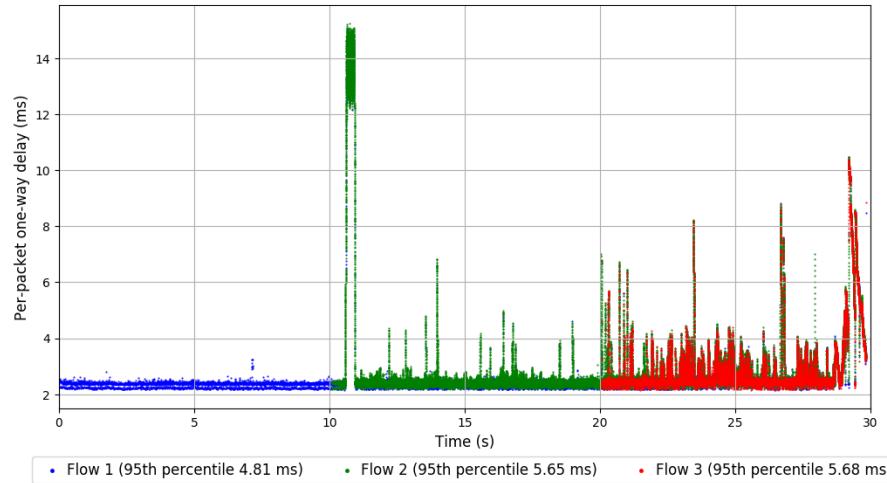
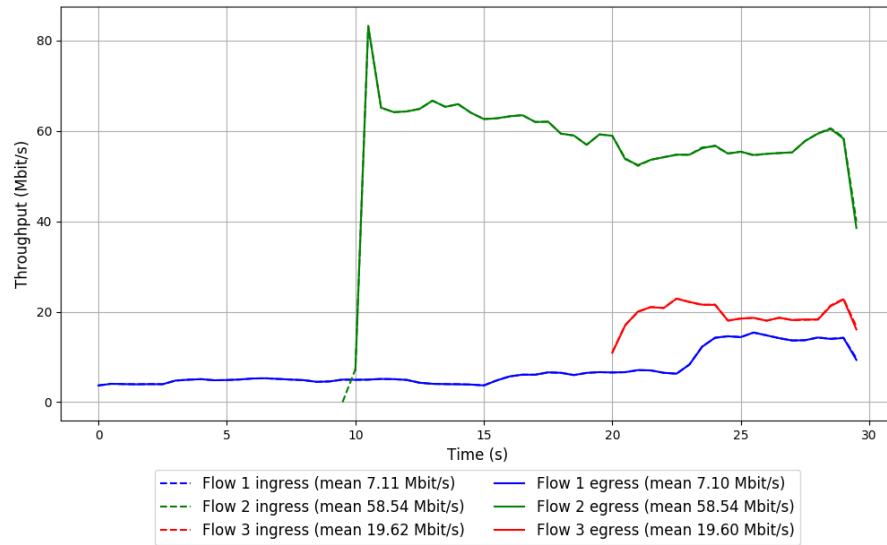
Figure is missing

```
Run 1: Statistics of PCC

Start at: 2018-02-28 00:04:59
End at: 2018-02-28 00:05:29
Local clock offset: 0.141 ms
Remote clock offset: -6.476 ms

# Below is generated by plot.py at 2018-02-28 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 5.526 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 4.809 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 5.652 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 5.676 ms
Loss rate: 0.25%
```

Run 1: Report of PCC — Data Link

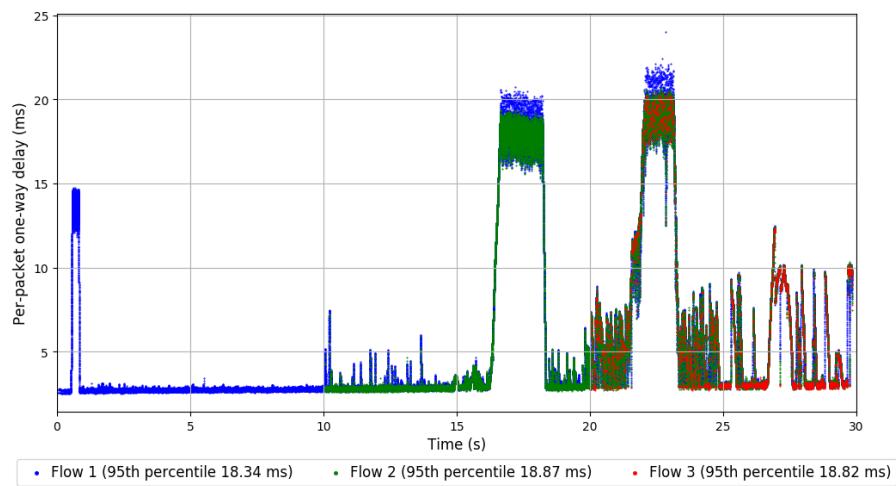
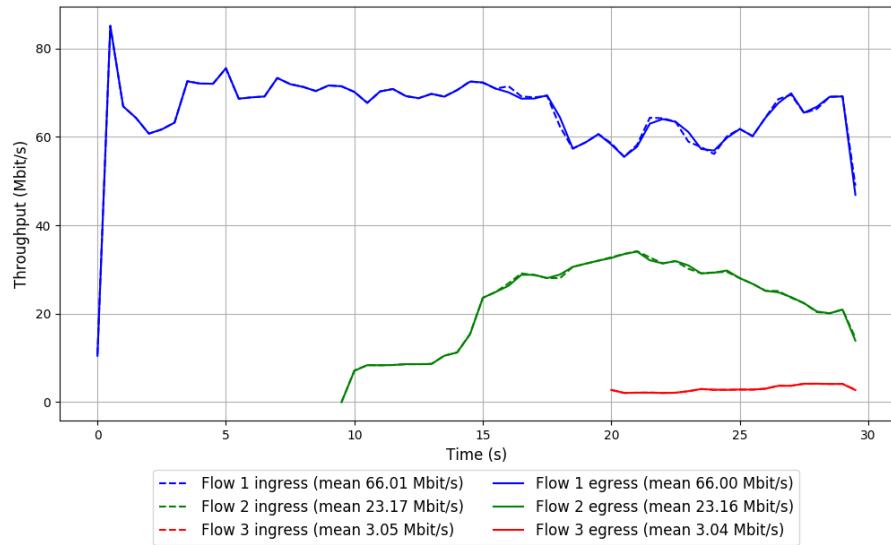


Run 2: Statistics of PCC

```
Start at: 2018-02-28 00:25:39
End at: 2018-02-28 00:26:09
Local clock offset: -2.566 ms
Remote clock offset: -6.291 ms

# Below is generated by plot.py at 2018-02-28 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.41 Mbit/s
95th percentile per-packet one-way delay: 18.496 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 18.339 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 18.870 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.24%
```

## Run 2: Report of PCC — Data Link

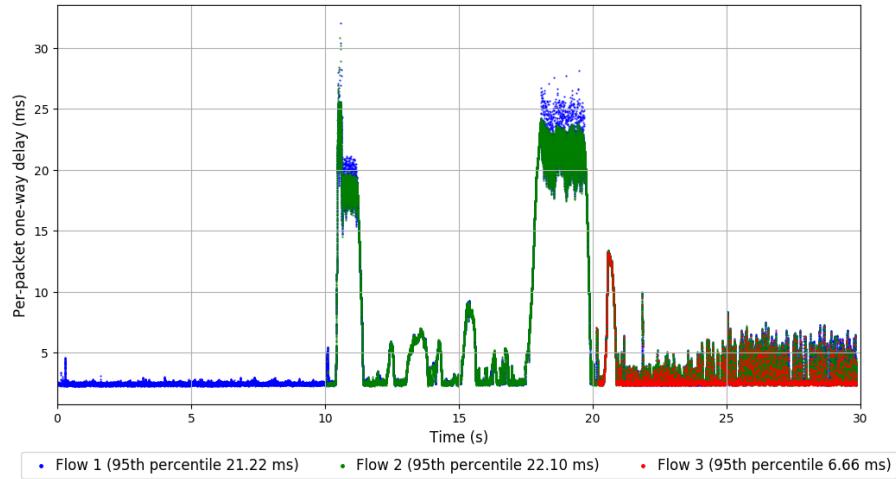
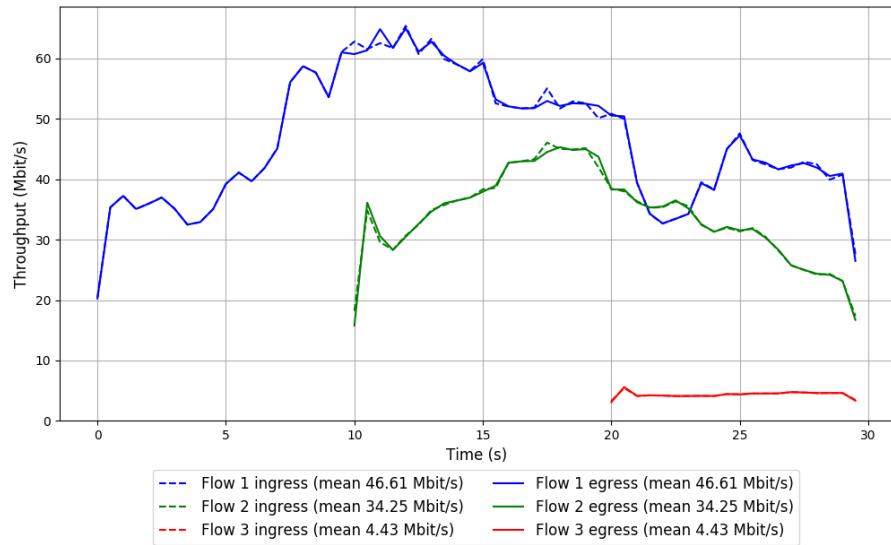


Run 3: Statistics of PCC

```
Start at: 2018-02-28 00:46:07
End at: 2018-02-28 00:46:37
Local clock offset: -8.818 ms
Remote clock offset: -5.989 ms

# Below is generated by plot.py at 2018-02-28 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 21.609 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.61 Mbit/s
95th percentile per-packet one-way delay: 21.219 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 6.657 ms
Loss rate: 0.17%
```

### Run 3: Report of PCC — Data Link

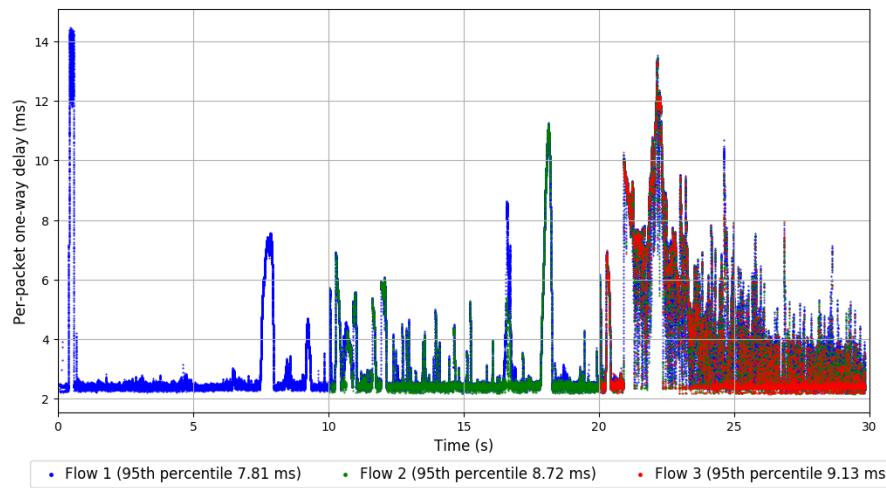
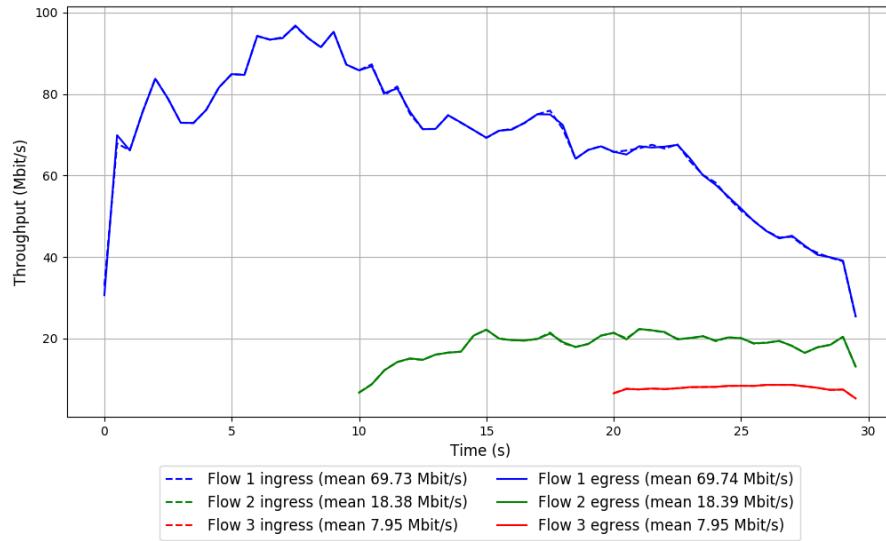


Run 4: Statistics of PCC

```
Start at: 2018-02-28 01:06:38
End at: 2018-02-28 01:07:08
Local clock offset: -8.215 ms
Remote clock offset: -7.882 ms

# Below is generated by plot.py at 2018-02-28 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 8.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.74 Mbit/s
95th percentile per-packet one-way delay: 7.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 8.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 9.132 ms
Loss rate: 0.02%
```

## Run 4: Report of PCC — Data Link

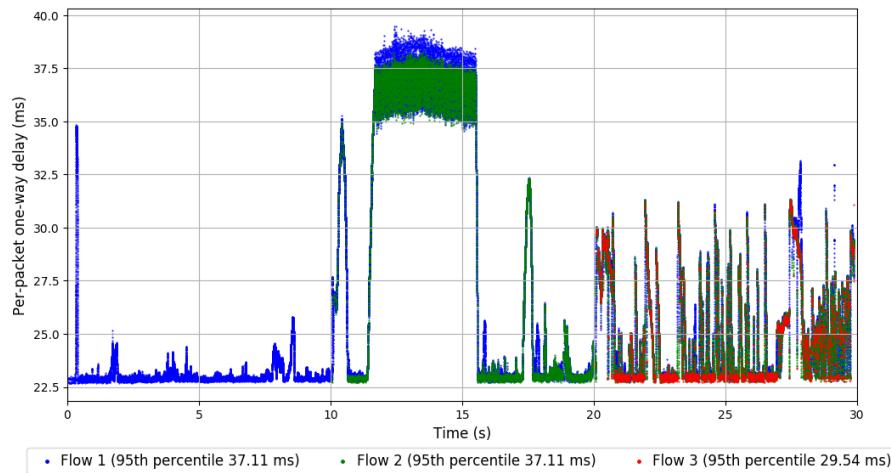
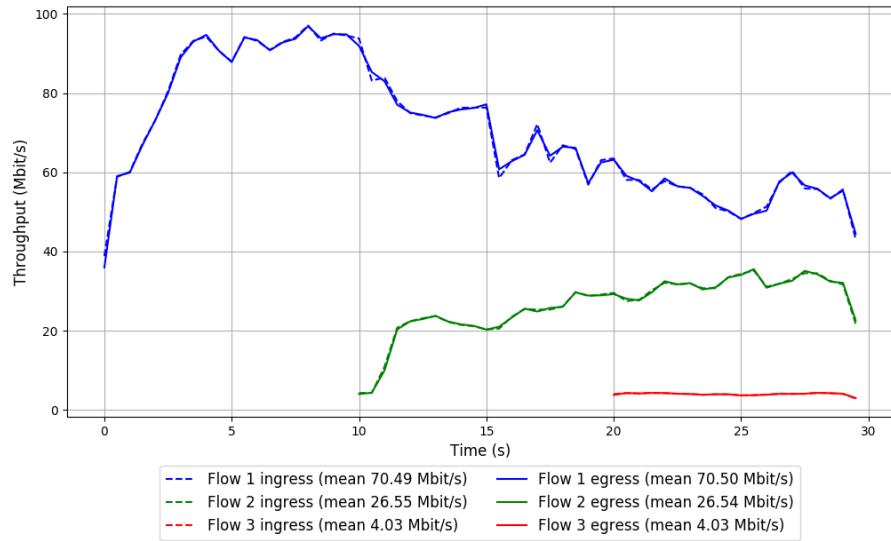


Run 5: Statistics of PCC

```
Start at: 2018-02-28 01:27:03
End at: 2018-02-28 01:27:33
Local clock offset: -8.384 ms
Remote clock offset: -27.709 ms

# Below is generated by plot.py at 2018-02-28 06:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 37.095 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 37.107 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 37.107 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 29.539 ms
Loss rate: 0.09%
```

## Run 5: Report of PCC — Data Link

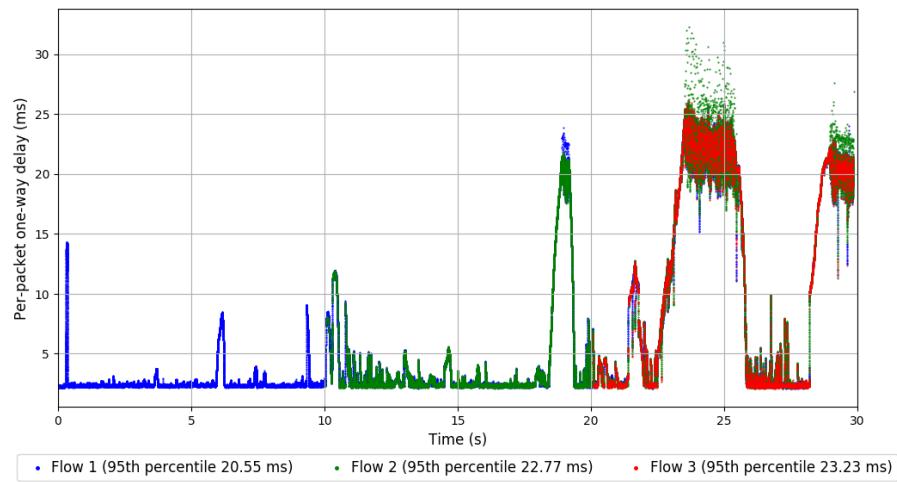
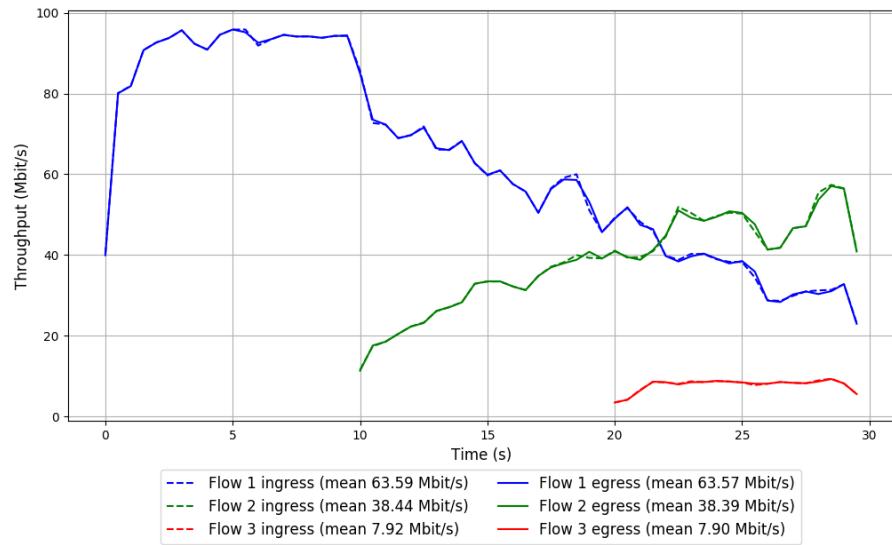


Run 6: Statistics of PCC

```
Start at: 2018-02-28 01:47:26
End at: 2018-02-28 01:47:56
Local clock offset: -3.291 ms
Remote clock offset: -6.212 ms

# Below is generated by plot.py at 2018-02-28 06:55:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 21.672 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 20.554 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 22.769 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 23.230 ms
Loss rate: 0.23%
```

## Run 6: Report of PCC — Data Link

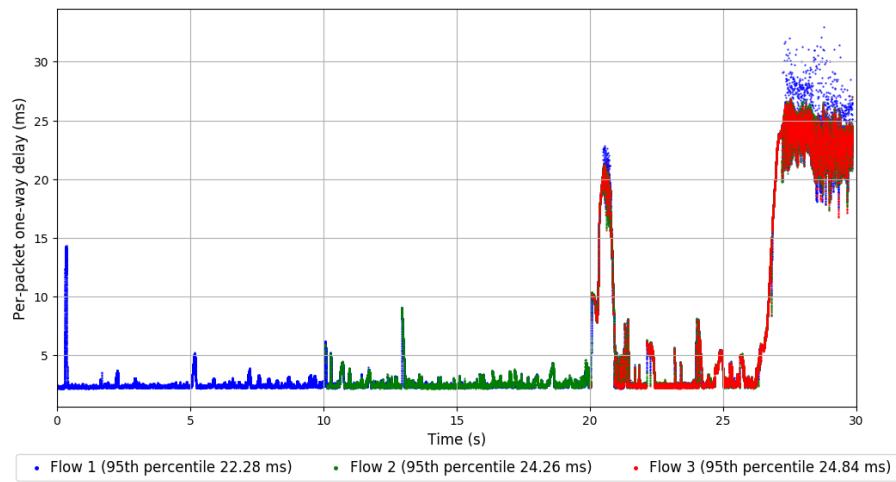
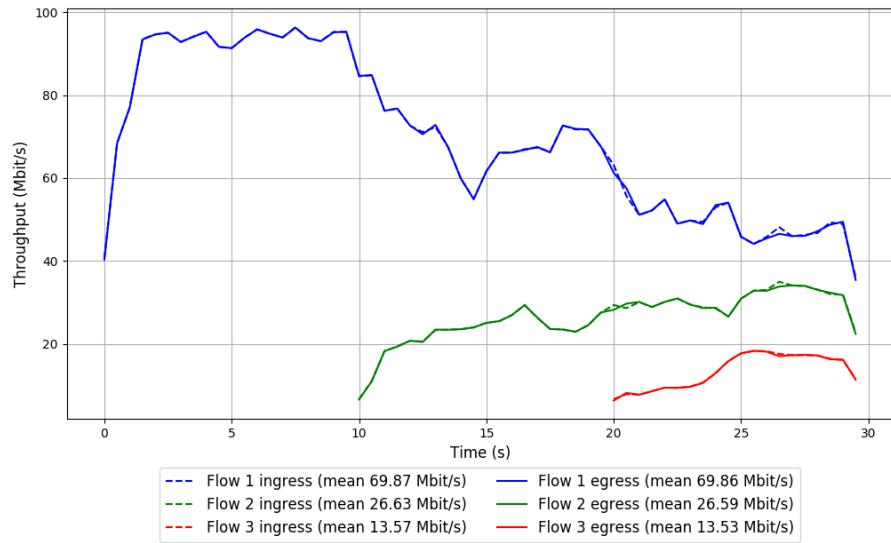


Run 7: Statistics of PCC

```
Start at: 2018-02-28 02:07:50
End at: 2018-02-28 02:08:20
Local clock offset: -2.898 ms
Remote clock offset: -6.231 ms

# Below is generated by plot.py at 2018-02-28 06:56:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 23.515 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 22.281 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 24.258 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 24.838 ms
Loss rate: 0.33%
```

## Run 7: Report of PCC — Data Link

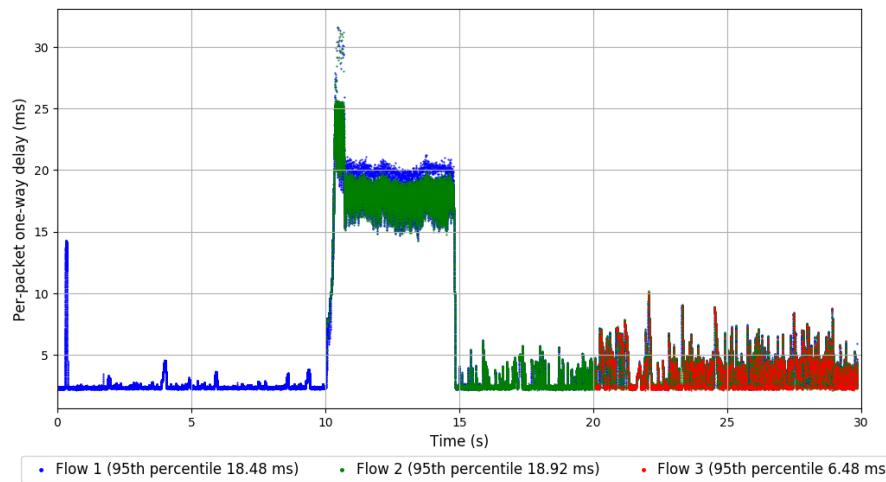
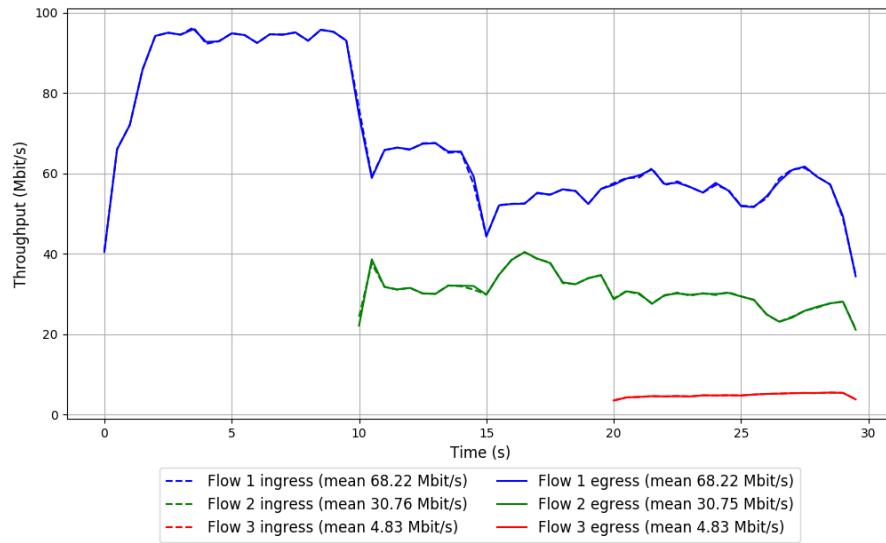


Run 8: Statistics of PCC

```
Start at: 2018-02-28 02:28:16
End at: 2018-02-28 02:28:46
Local clock offset: -3.66 ms
Remote clock offset: -6.2 ms

# Below is generated by plot.py at 2018-02-28 06:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 18.595 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.22 Mbit/s
95th percentile per-packet one-way delay: 18.480 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 18.916 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 6.482 ms
Loss rate: 0.03%
```

## Run 8: Report of PCC — Data Link

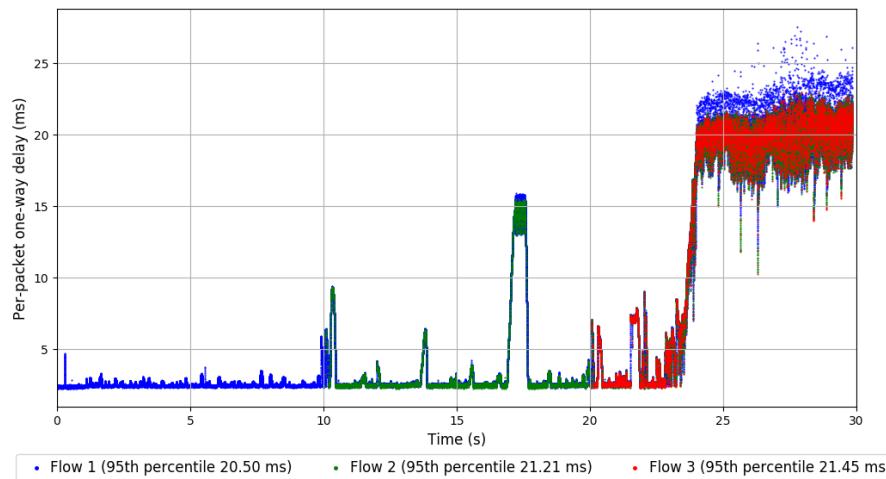
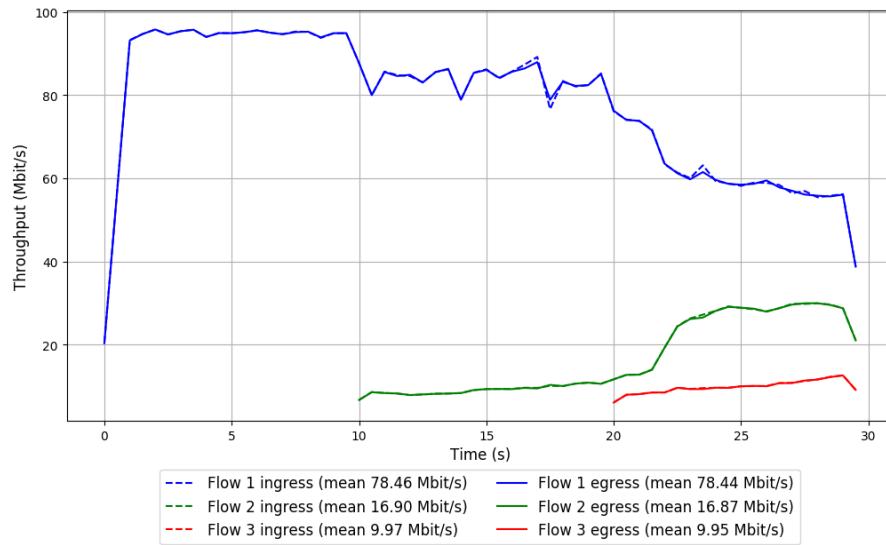


Run 9: Statistics of PCC

```
Start at: 2018-02-28 02:48:41
End at: 2018-02-28 02:49:11
Local clock offset: -5.36 ms
Remote clock offset: -7.195 ms

# Below is generated by plot.py at 2018-02-28 06:56:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 20.762 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 20.495 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 21.209 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 21.446 ms
Loss rate: 0.26%
```

### Run 9: Report of PCC — Data Link

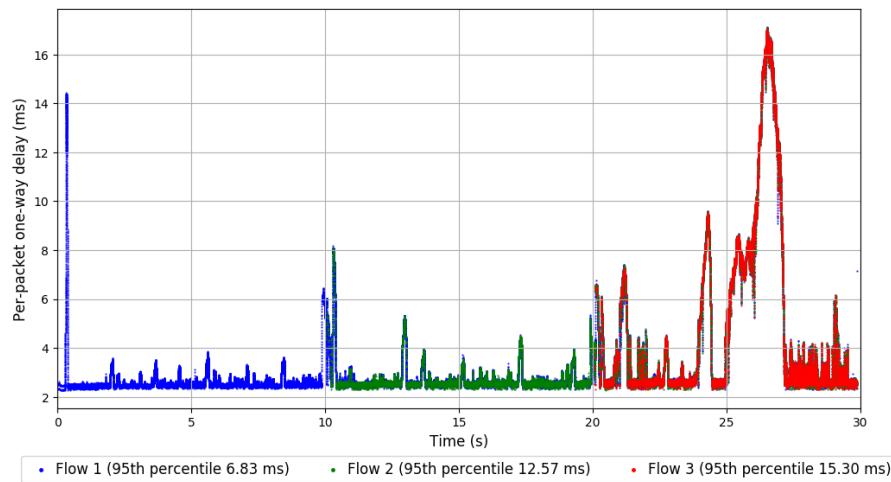
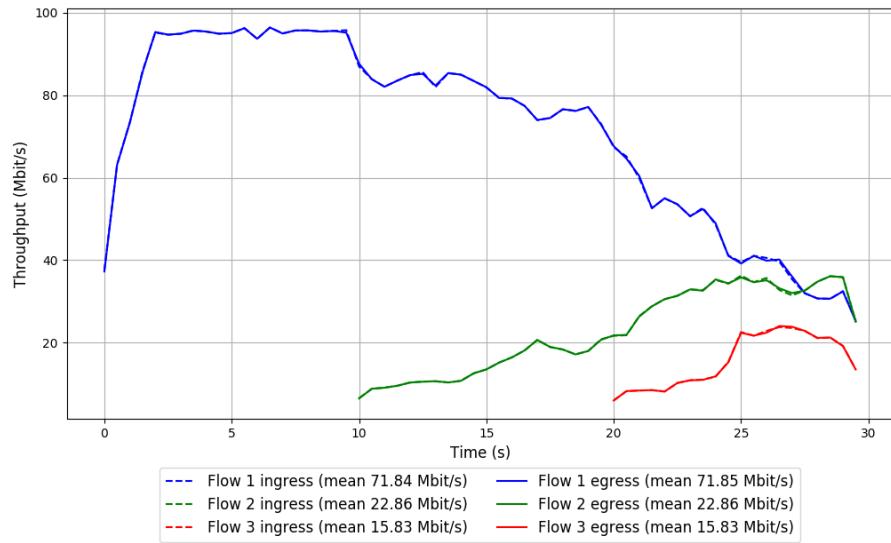


Run 10: Statistics of PCC

```
Start at: 2018-02-28 03:09:06
End at: 2018-02-28 03:09:36
Local clock offset: -6.617 ms
Remote clock offset: -7.179 ms

# Below is generated by plot.py at 2018-02-28 06:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.25 Mbit/s
95th percentile per-packet one-way delay: 8.219 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 6.835 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 12.571 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 15.302 ms
Loss rate: 0.05%
```

## Run 10: Report of PCC — Data Link

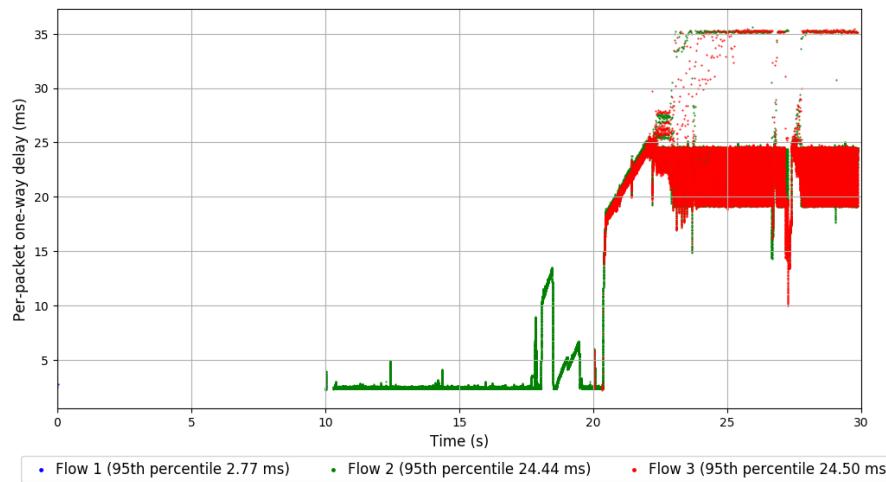
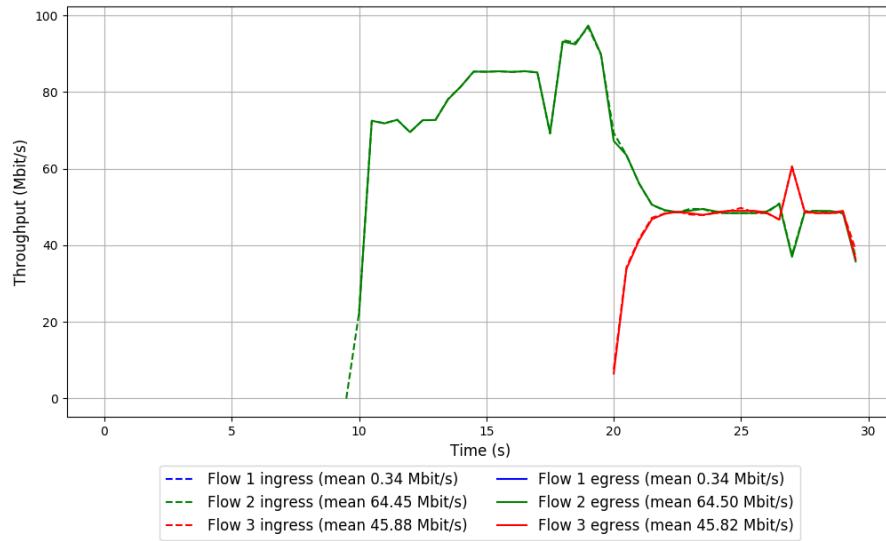


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 00:17:42
End at: 2018-02-28 00:18:12
Local clock offset: 0.875 ms
Remote clock offset: -6.382 ms

# Below is generated by plot.py at 2018-02-28 06:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.02 Mbit/s
95th percentile per-packet one-way delay: 24.465 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 2.768 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 24.441 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 24.498 ms
Loss rate: 0.47%
```

## Run 1: Report of QUIC Cubic — Data Link

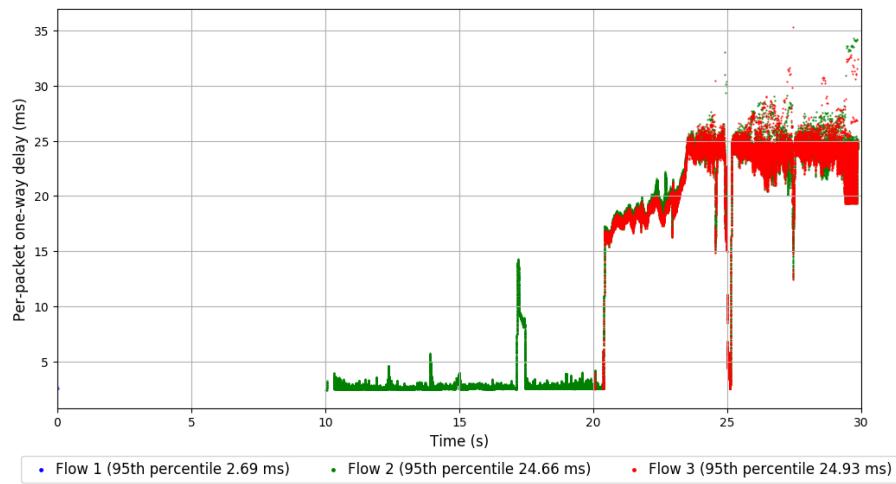
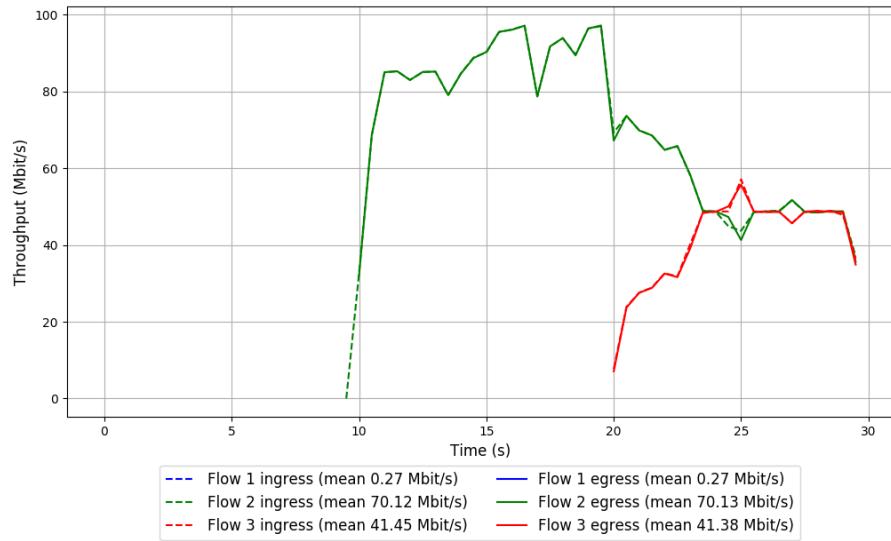


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-02-28 00:38:10
End at: 2018-02-28 00:38:40
Local clock offset: -7.415 ms
Remote clock offset: -6.11 ms

# Below is generated by plot.py at 2018-02-28 06:56:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 24.704 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 2.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 24.661 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 41.38 Mbit/s
95th percentile per-packet one-way delay: 24.928 ms
Loss rate: 0.39%
```

## Run 2: Report of QUIC Cubic — Data Link

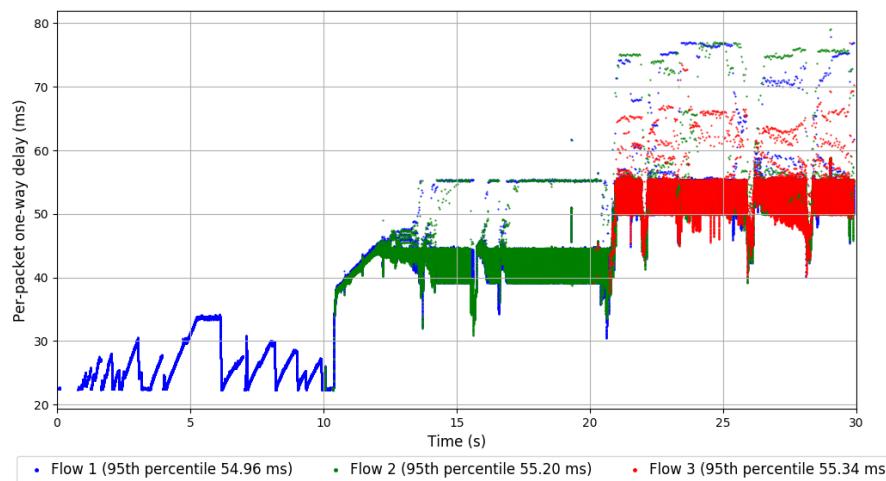
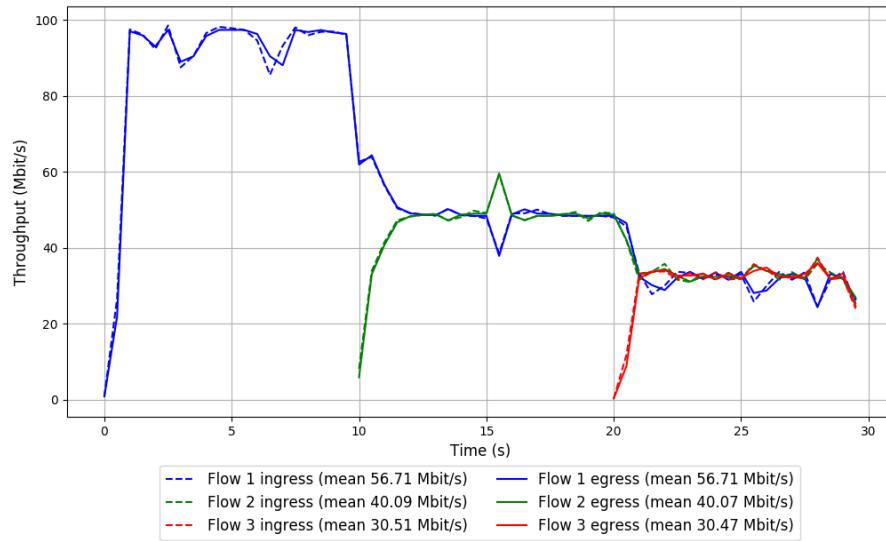


```
Run 3: Statistics of QUIC Cubic
```

```
Start at: 2018-02-28 00:58:42
End at: 2018-02-28 00:59:12
Local clock offset: -9.063 ms
Remote clock offset: -27.554 ms

# Below is generated by plot.py at 2018-02-28 06:56:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 55.170 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 54.959 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 55.200 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 55.344 ms
Loss rate: 0.36%
```

### Run 3: Report of QUIC Cubic — Data Link

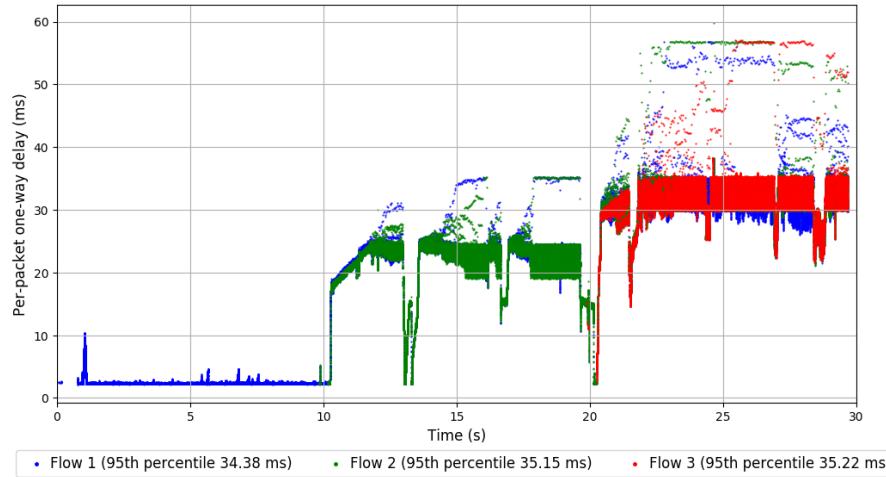
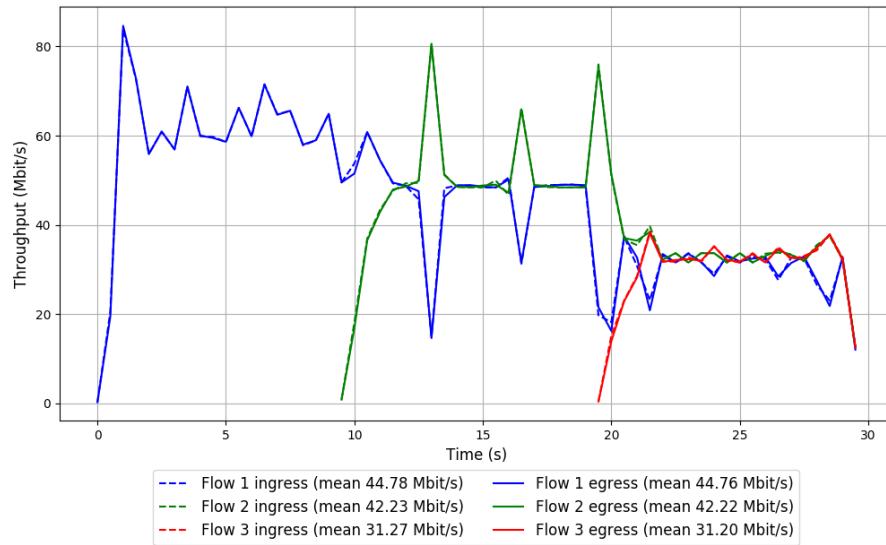


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-02-28 01:19:09
End at: 2018-02-28 01:19:39
Local clock offset: -8.229 ms
Remote clock offset: -8.191 ms

# Below is generated by plot.py at 2018-02-28 06:57:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 35.101 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 34.383 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 35.152 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 35.221 ms
Loss rate: 0.42%
```

Run 4: Report of QUIC Cubic — Data Link

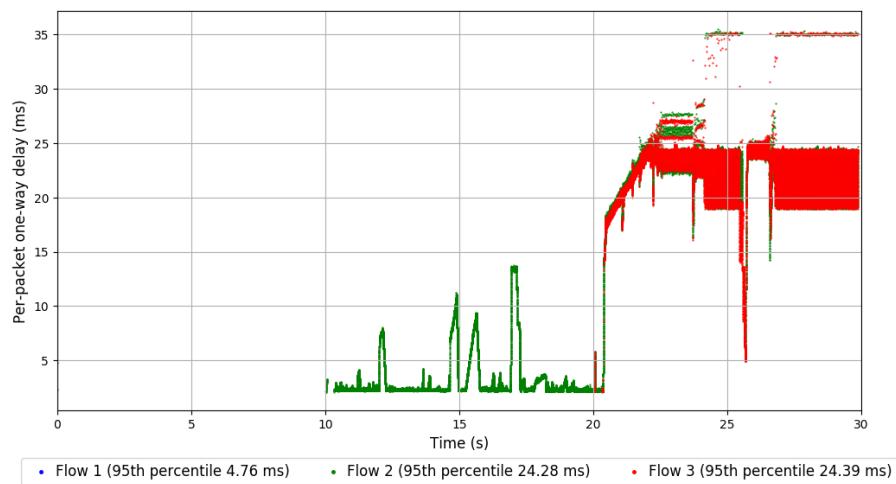
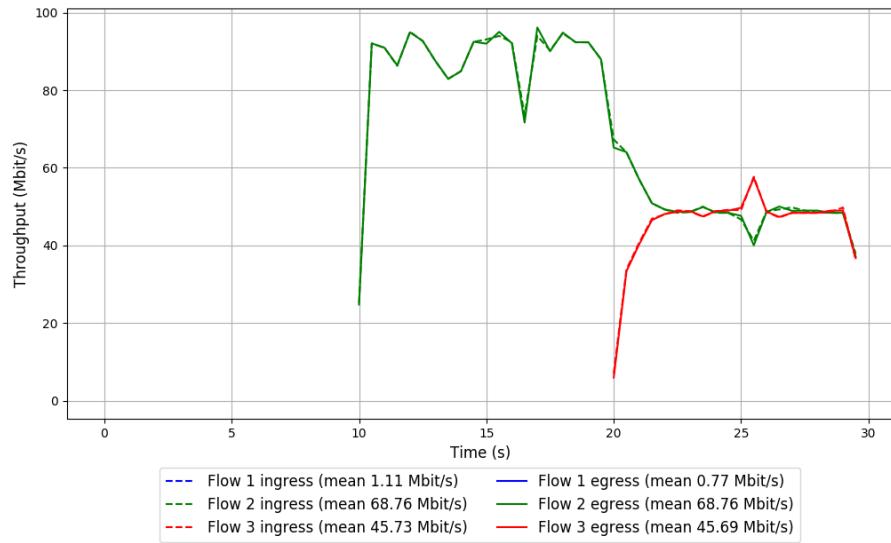


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-02-28 01:39:34
End at: 2018-02-28 01:40:04
Local clock offset: -4.498 ms
Remote clock offset: -6.411 ms

# Below is generated by plot.py at 2018-02-28 06:57:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 24.316 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 4.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 24.280 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 24.389 ms
Loss rate: 0.24%
```

## Run 5: Report of QUIC Cubic — Data Link

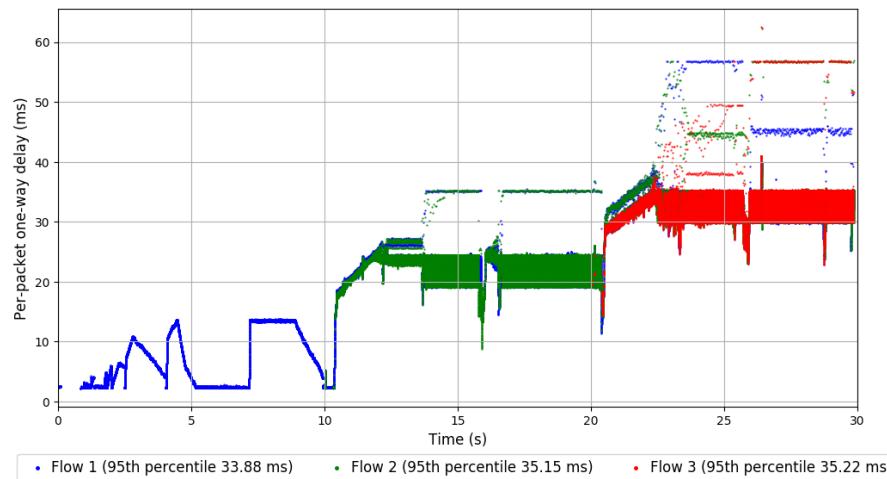
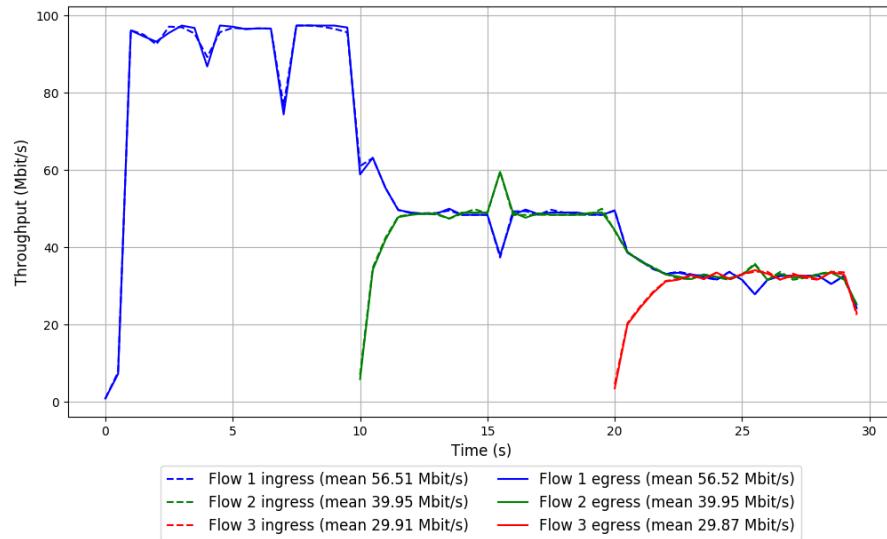


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-02-28 01:59:57
End at: 2018-02-28 02:00:27
Local clock offset: -2.415 ms
Remote clock offset: -6.201 ms

# Below is generated by plot.py at 2018-02-28 06:57:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 35.094 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 33.881 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 35.145 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.87 Mbit/s
95th percentile per-packet one-way delay: 35.216 ms
Loss rate: 0.36%
```

## Run 6: Report of QUIC Cubic — Data Link

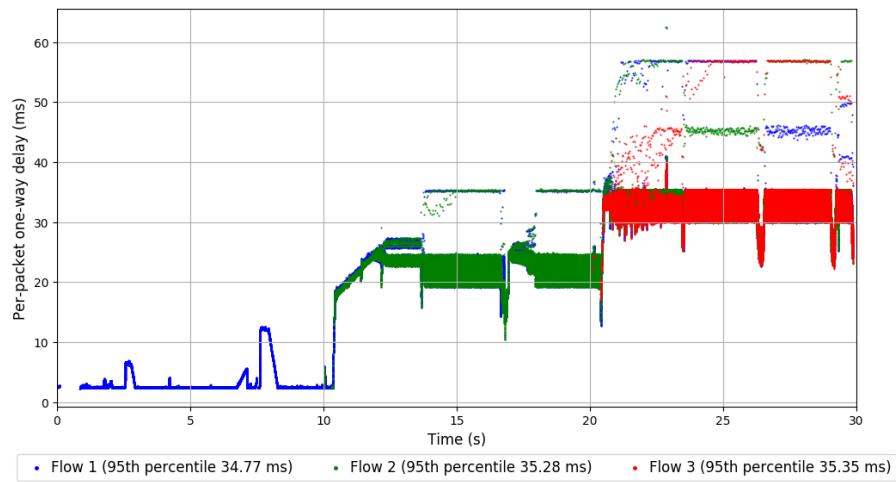
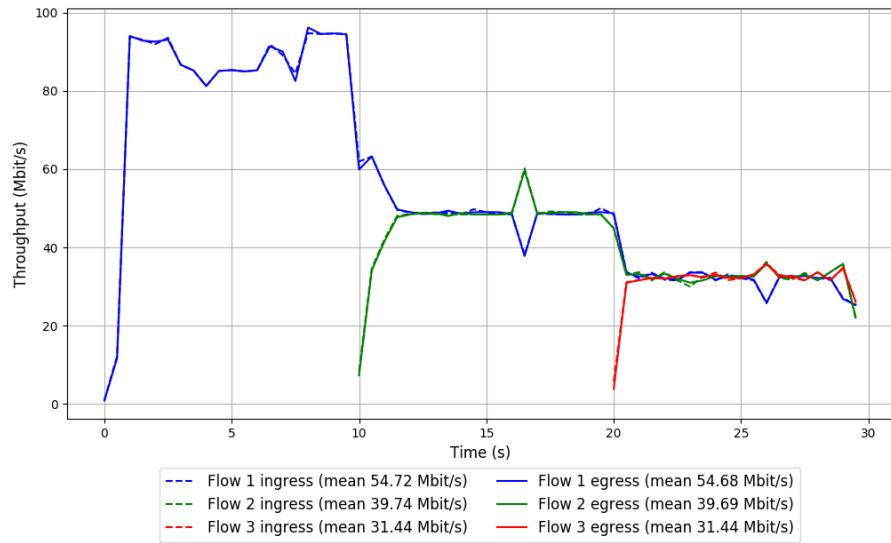


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-02-28 02:20:21
End at: 2018-02-28 02:20:51
Local clock offset: -3.523 ms
Remote clock offset: -6.3 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 35.249 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 54.68 Mbit/s
95th percentile per-packet one-way delay: 34.769 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 35.281 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 31.44 Mbit/s
95th percentile per-packet one-way delay: 35.353 ms
Loss rate: 0.35%
```

## Run 7: Report of QUIC Cubic — Data Link

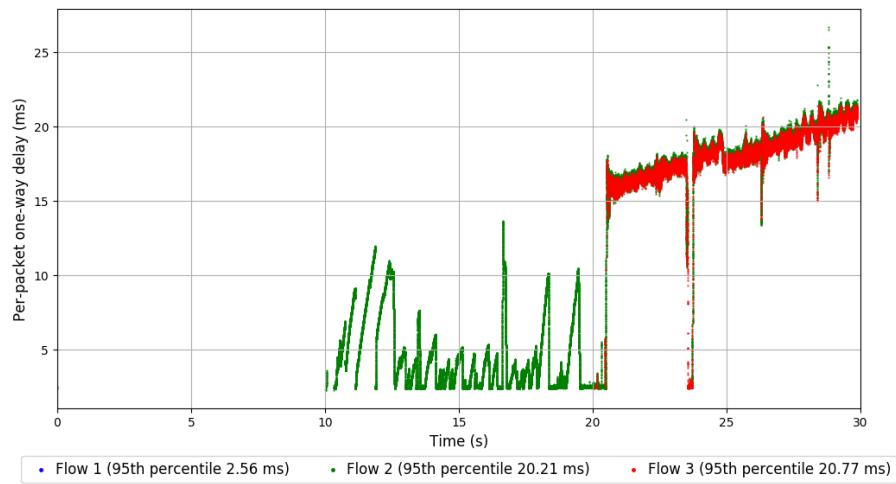
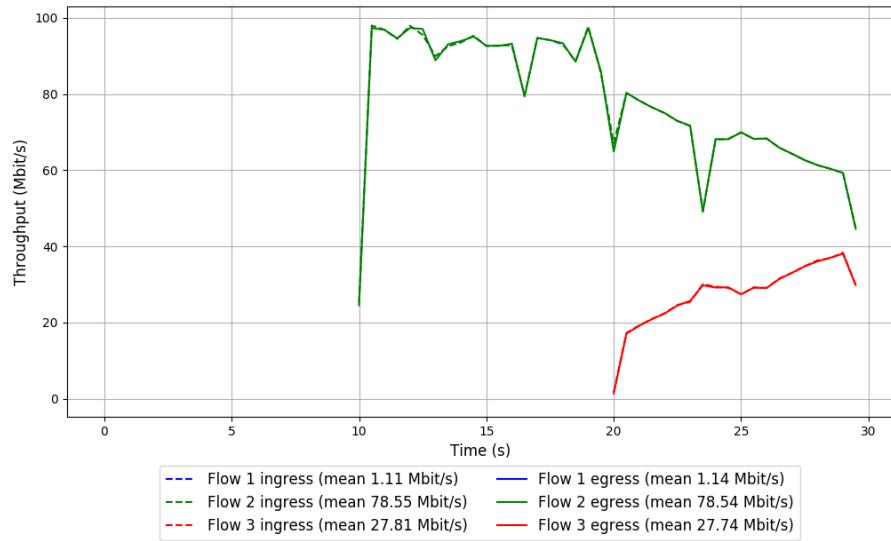


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-28 02:40:47
End at: 2018-02-28 02:41:17
Local clock offset: -4.315 ms
Remote clock offset: -6.916 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 20.400 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 2.556 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 20.209 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 20.772 ms
Loss rate: 0.32%
```

## Run 8: Report of QUIC Cubic — Data Link

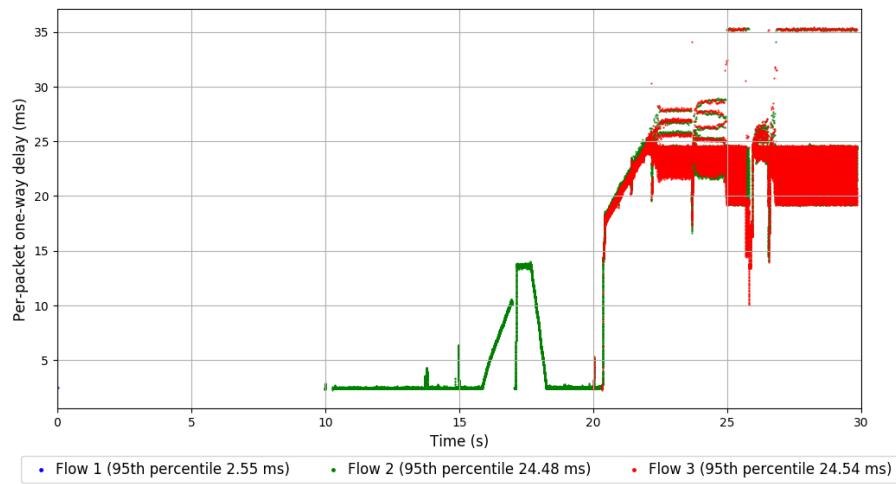
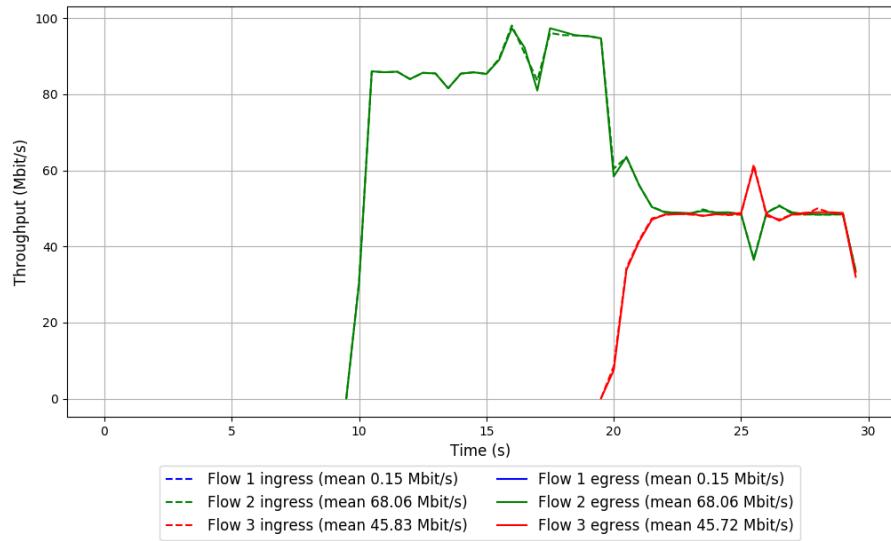


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-28 03:01:13
End at: 2018-02-28 03:01:43
Local clock offset: -6.212 ms
Remote clock offset: -7.342 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 24.505 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 24.477 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.72 Mbit/s
95th percentile per-packet one-way delay: 24.536 ms
Loss rate: 0.34%
```

### Run 9: Report of QUIC Cubic — Data Link

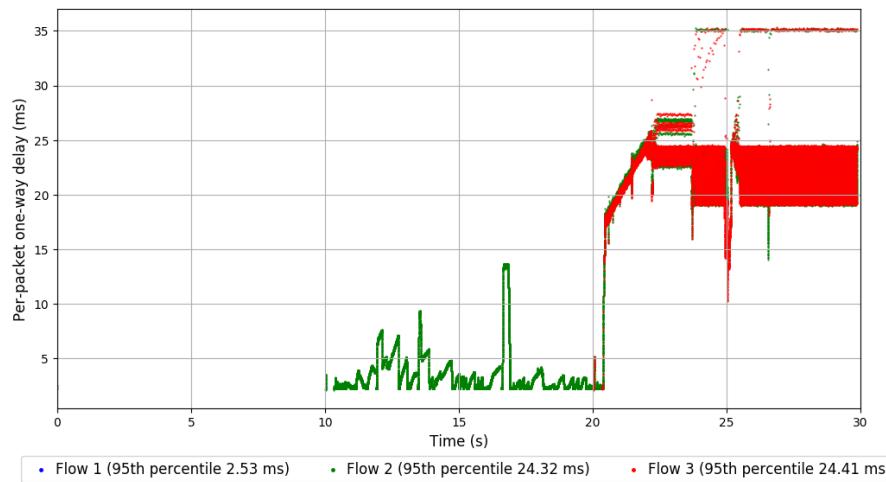
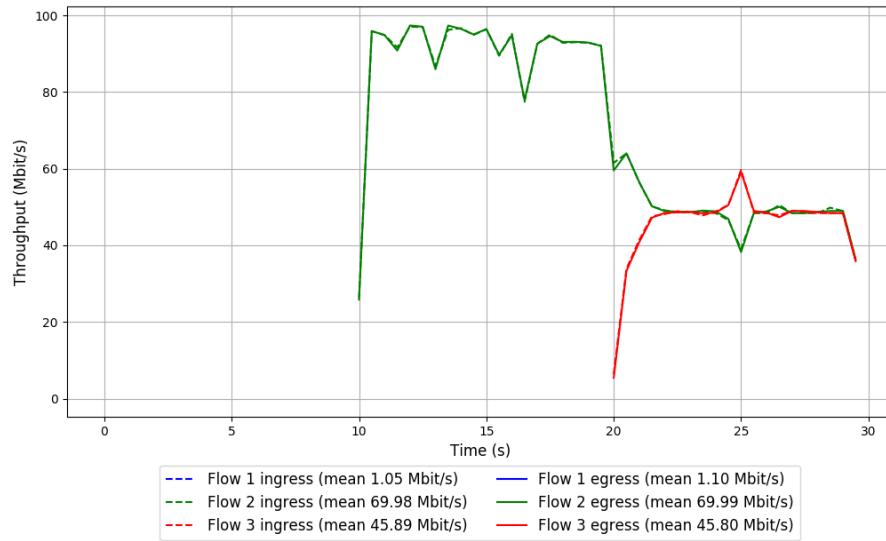


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-28 03:21:39
End at: 2018-02-28 03:22:09
Local clock offset: -4.611 ms
Remote clock offset: -6.837 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 24.362 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 2.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.99 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 24.407 ms
Loss rate: 0.24%
```

## Run 10: Report of QUIC Cubic — Data Link

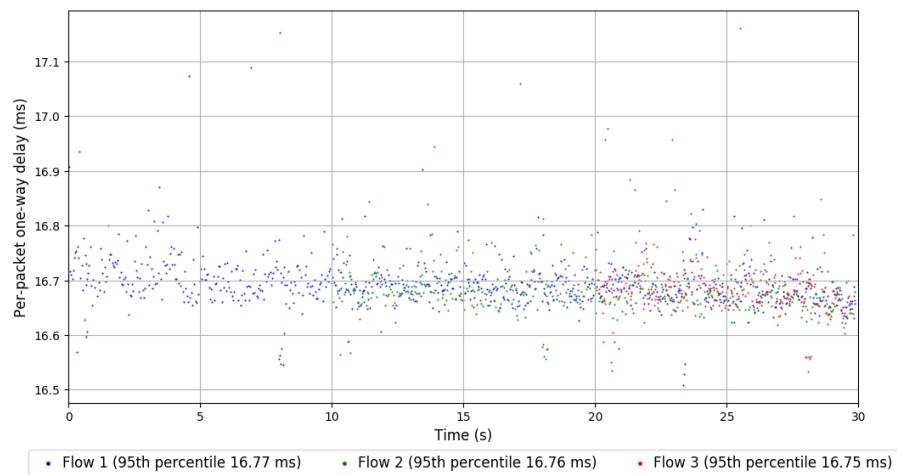
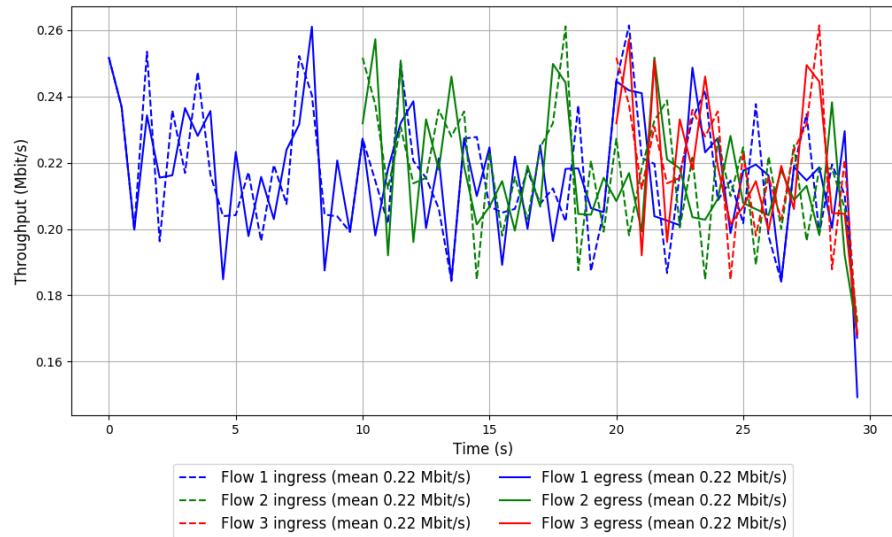


Run 1: Statistics of SCReAM

```
Start at: 2018-02-28 00:03:53
End at: 2018-02-28 00:04:23
Local clock offset: 0.1 ms
Remote clock offset: -20.786 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.762 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.766 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.761 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.753 ms
Loss rate: 0.35%
```

Run 1: Report of SCReAM — Data Link

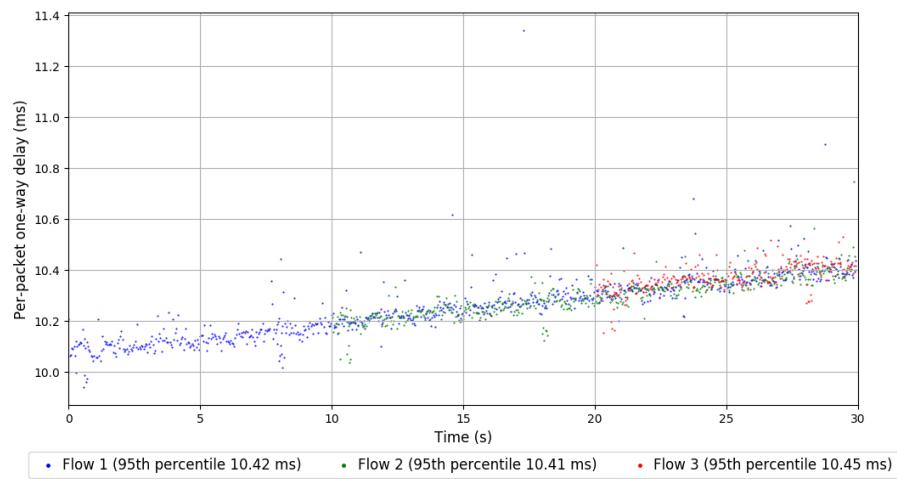
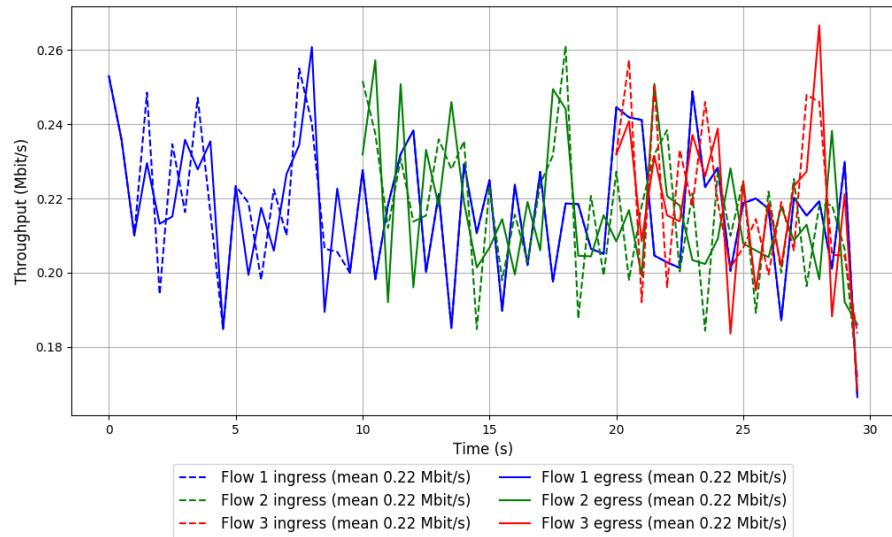


Run 2: Statistics of SCReAM

```
Start at: 2018-02-28 00:24:35
End at: 2018-02-28 00:25:05
Local clock offset: -1.95 ms
Remote clock offset: -13.787 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 10.428 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.417 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.452 ms
Loss rate: 0.35%
```

## Run 2: Report of SCReAM — Data Link

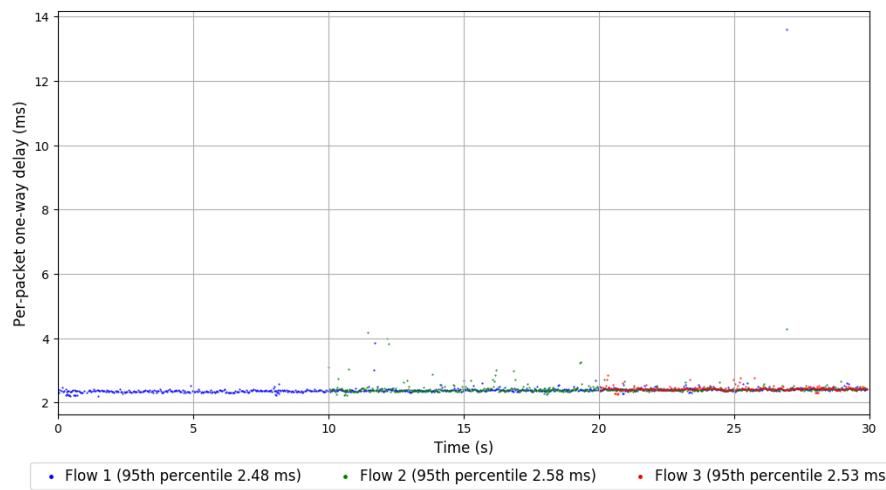
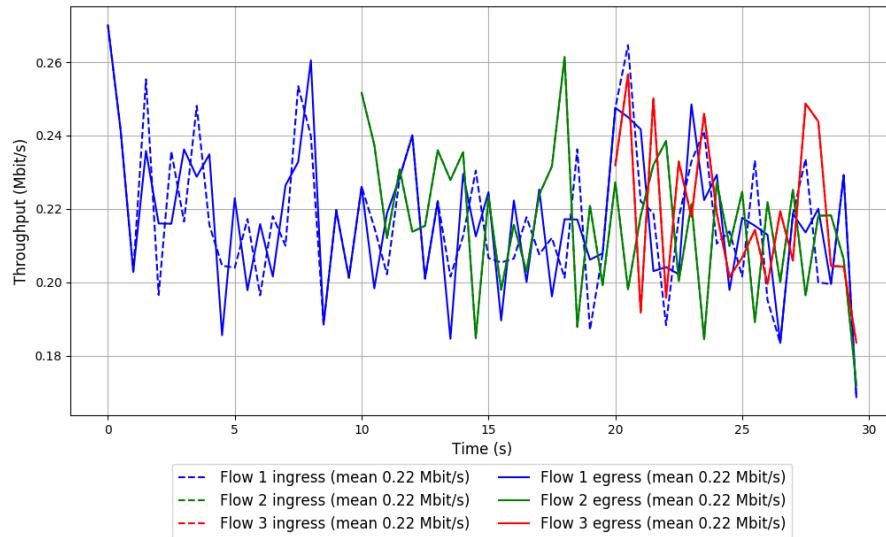


Run 3: Statistics of SCReAM

```
Start at: 2018-02-28 00:45:02
End at: 2018-02-28 00:45:32
Local clock offset: -8.75 ms
Remote clock offset: -6.007 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.481 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.529 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

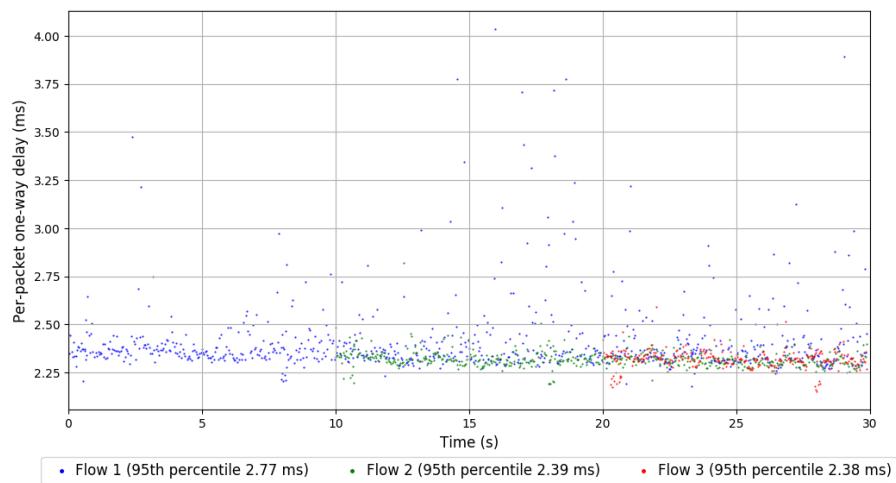
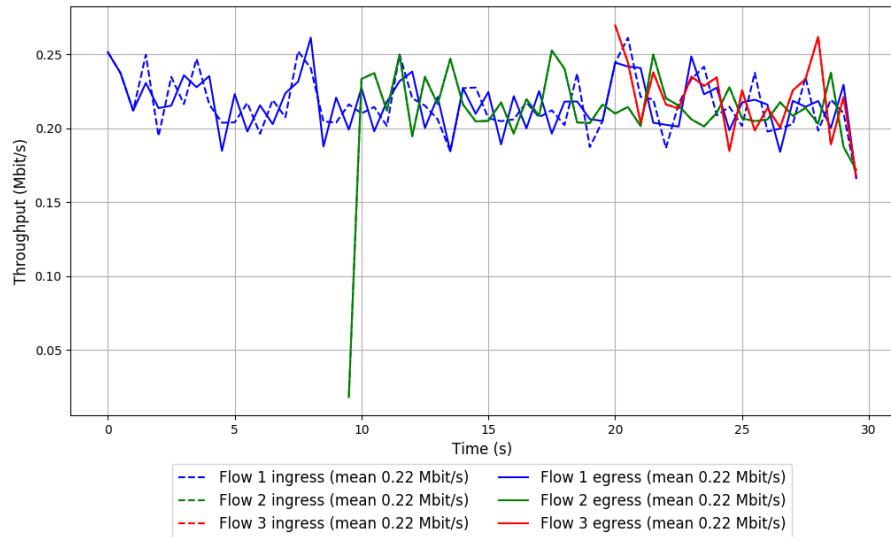


Run 4: Statistics of SCReAM

```
Start at: 2018-02-28 01:05:34
End at: 2018-02-28 01:06:04
Local clock offset: -8.236 ms
Remote clock offset: -7.751 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

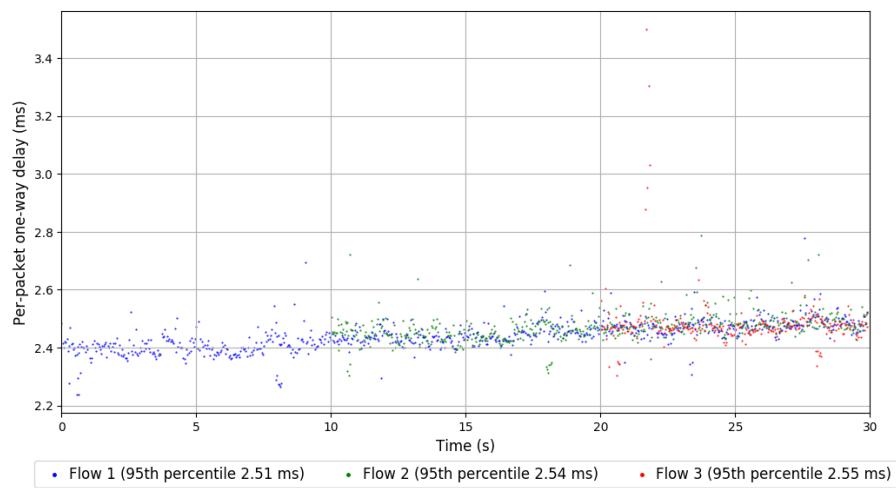
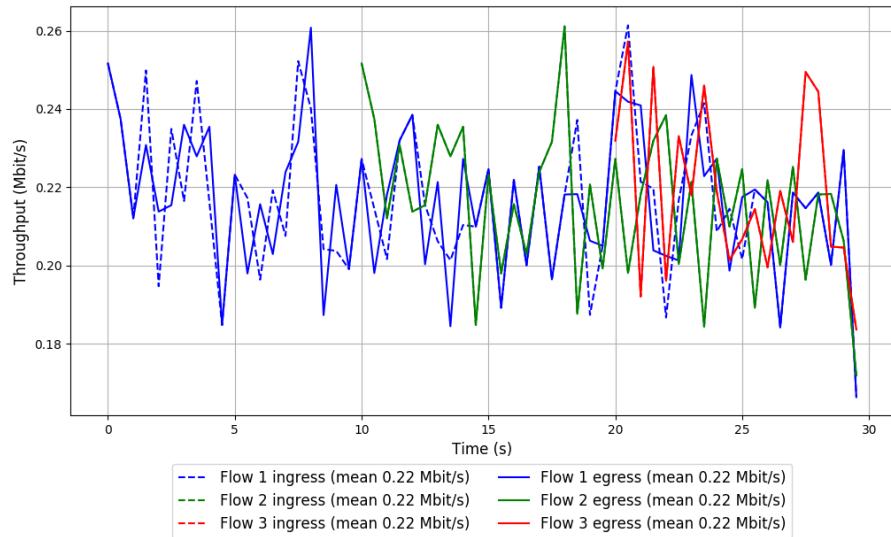


Run 5: Statistics of SCReAM

```
Start at: 2018-02-28 01:25:59
End at: 2018-02-28 01:26:29
Local clock offset: -8.353 ms
Remote clock offset: -7.401 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

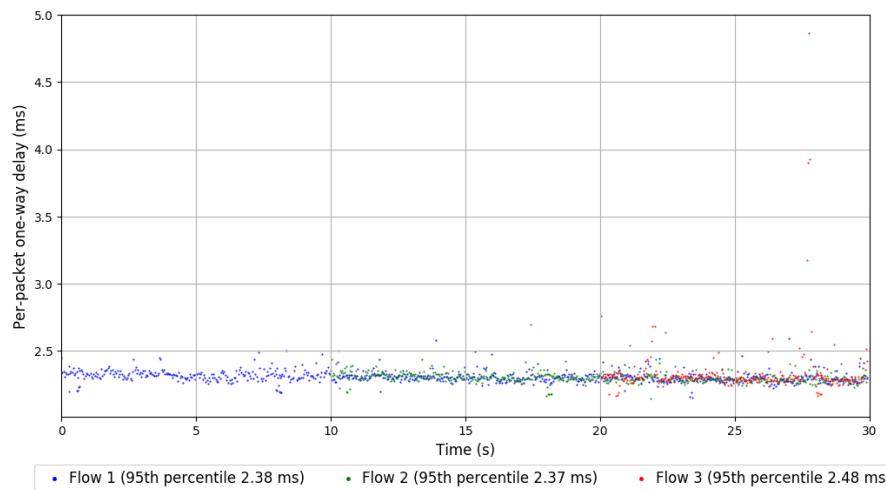
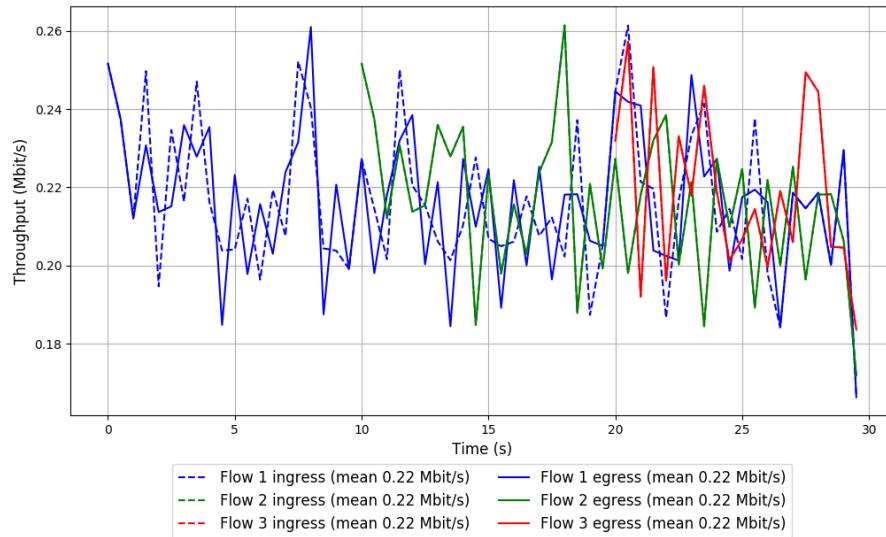


Run 6: Statistics of SCReAM

```
Start at: 2018-02-28 01:46:22
End at: 2018-02-28 01:46:52
Local clock offset: -3.402 ms
Remote clock offset: -6.229 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.384 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: 2.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.476 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

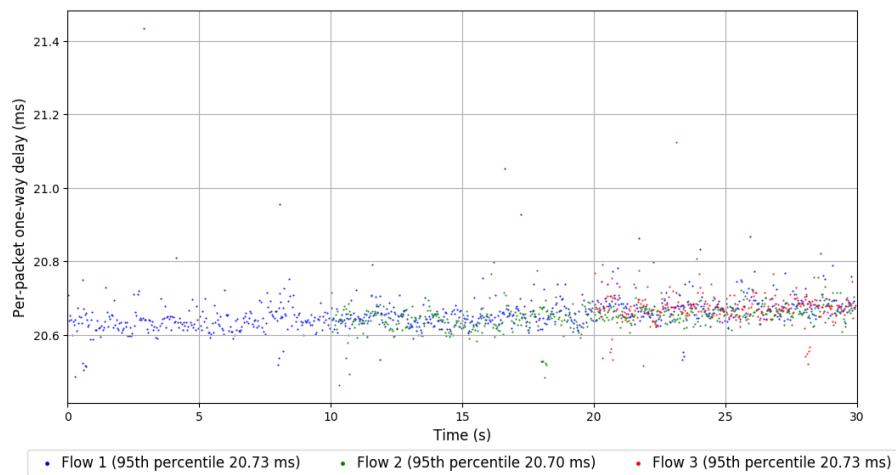
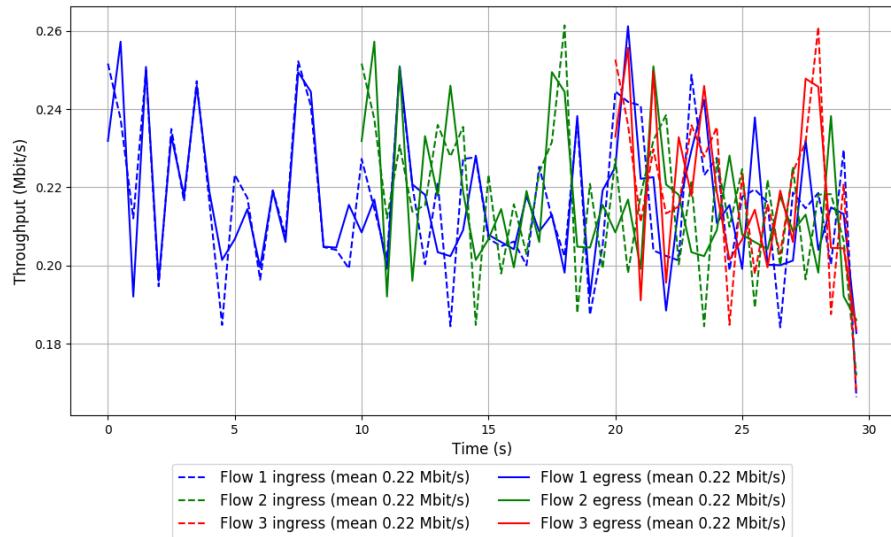


Run 7: Statistics of SCReAM

```
Start at: 2018-02-28 02:06:46
End at: 2018-02-28 02:07:16
Local clock offset: -2.727 ms
Remote clock offset: -24.453 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.699 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.729 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

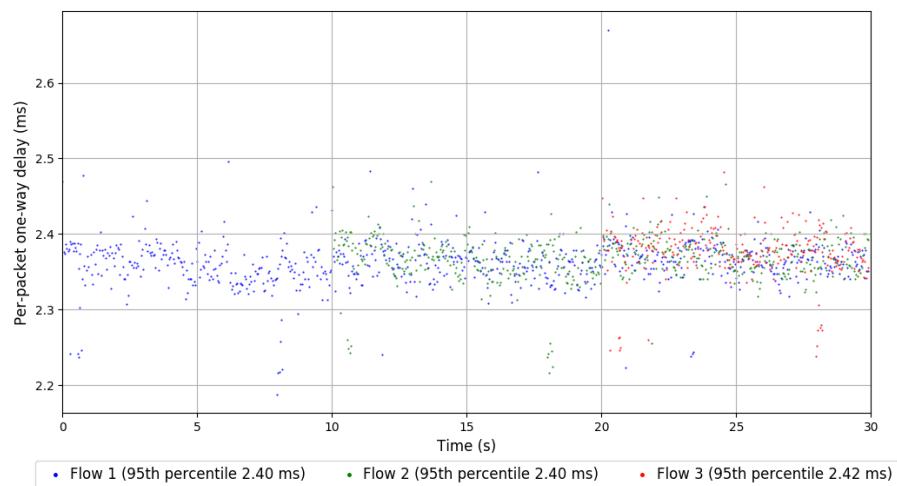
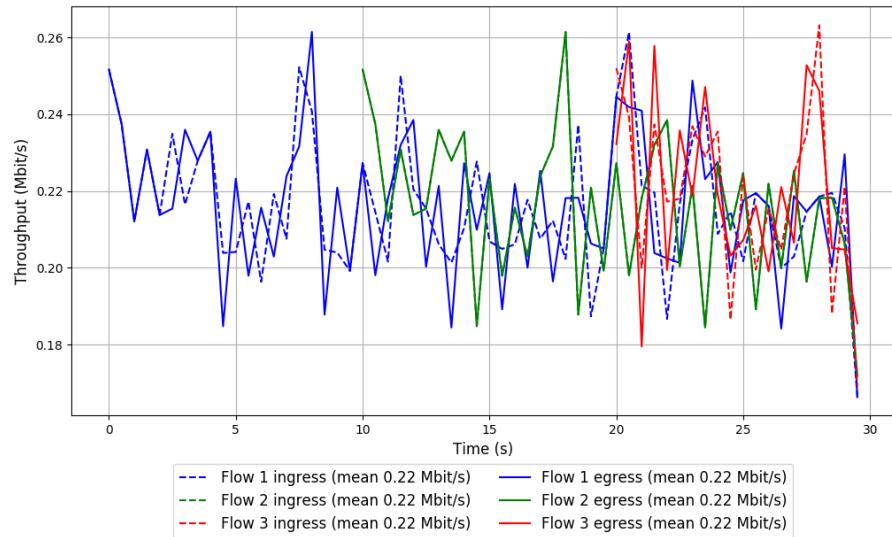


Run 8: Statistics of SCReAM

```
Start at: 2018-02-28 02:27:12
End at: 2018-02-28 02:27:42
Local clock offset: -3.626 ms
Remote clock offset: -6.212 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

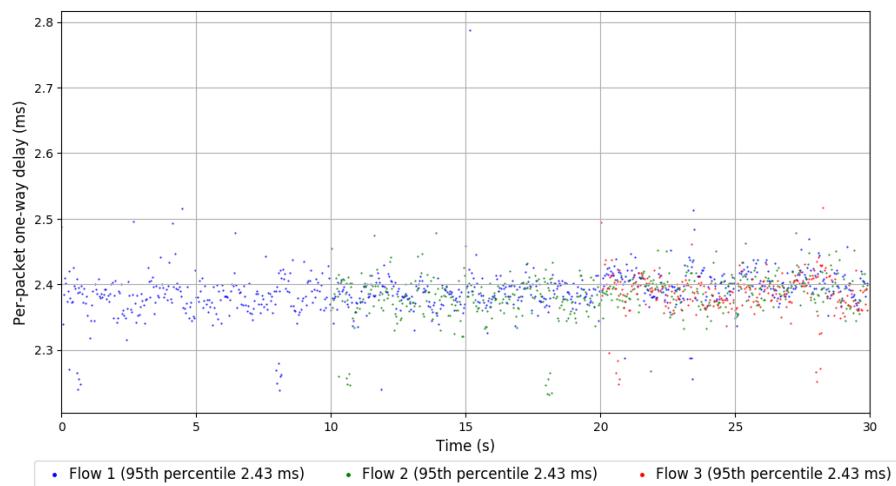
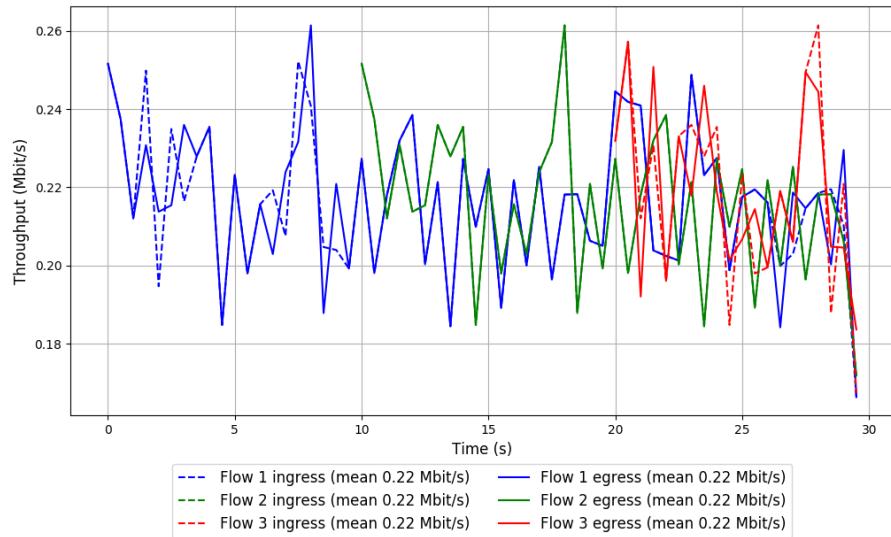


Run 9: Statistics of SCReAM

```
Start at: 2018-02-28 02:47:37
End at: 2018-02-28 02:48:07
Local clock offset: -5.301 ms
Remote clock offset: -7.132 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.428 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link

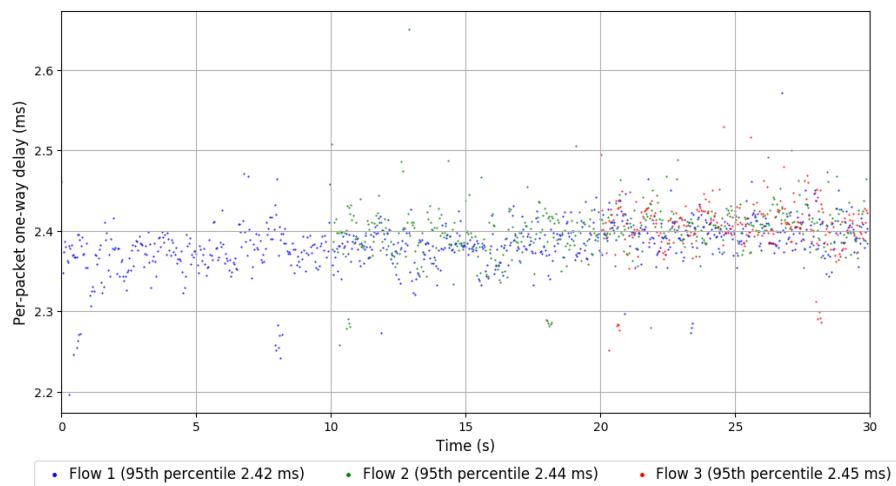
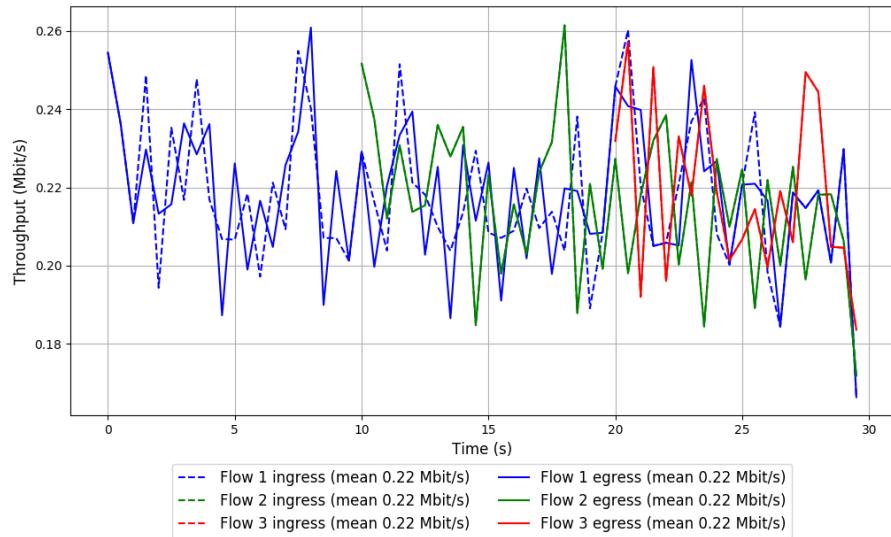


Run 10: Statistics of SCReAM

```
Start at: 2018-02-28 03:08:02
End at: 2018-02-28 03:08:32
Local clock offset: -6.559 ms
Remote clock offset: -7.119 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

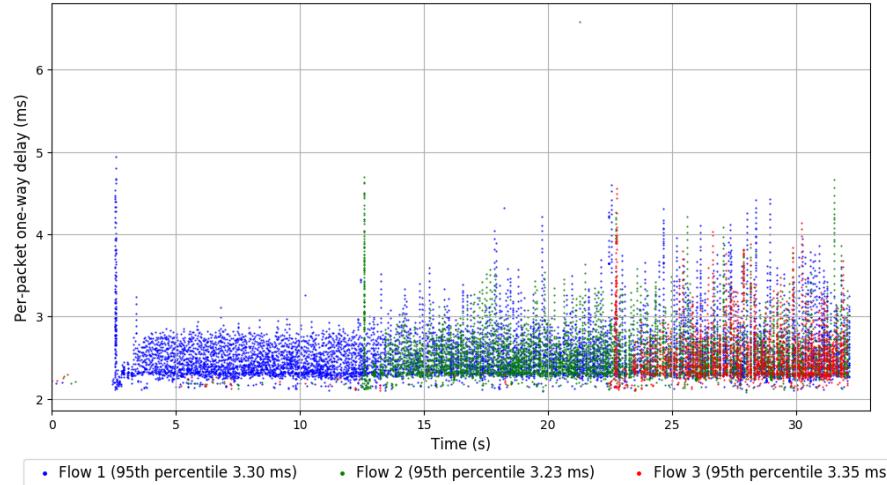
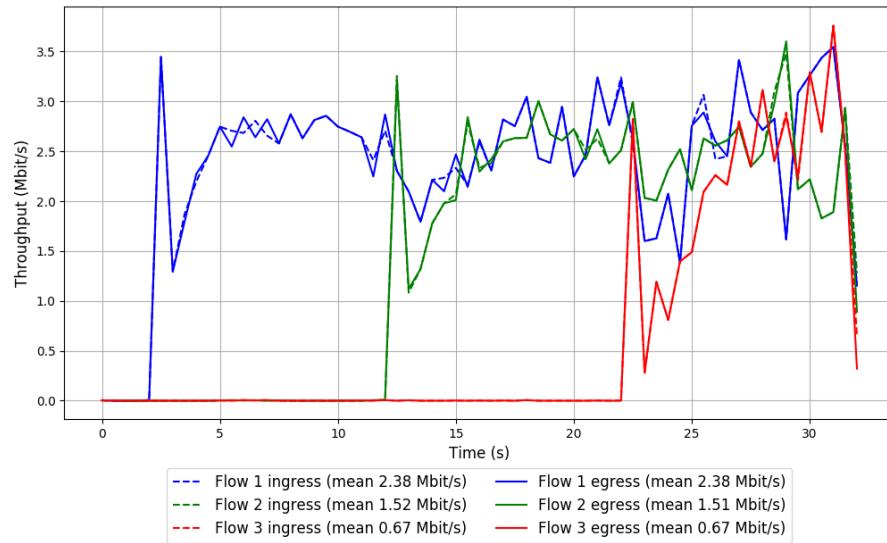


```
Run 1: Statistics of WebRTC media

Start at: 2018-02-28 00:13:04
End at: 2018-02-28 00:13:34
Local clock offset: 0.572 ms
Remote clock offset: -6.285 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 3.288 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 3.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.234 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 3.352 ms
Loss rate: 0.74%
```

Run 1: Report of WebRTC media — Data Link

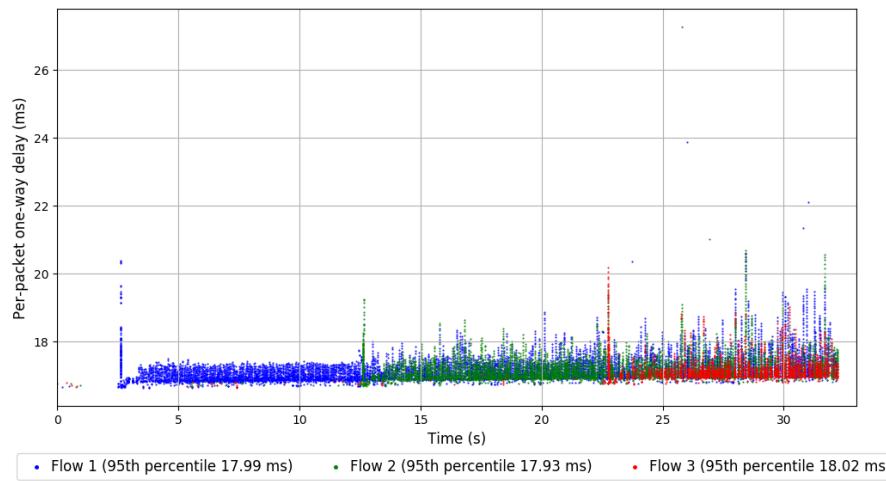
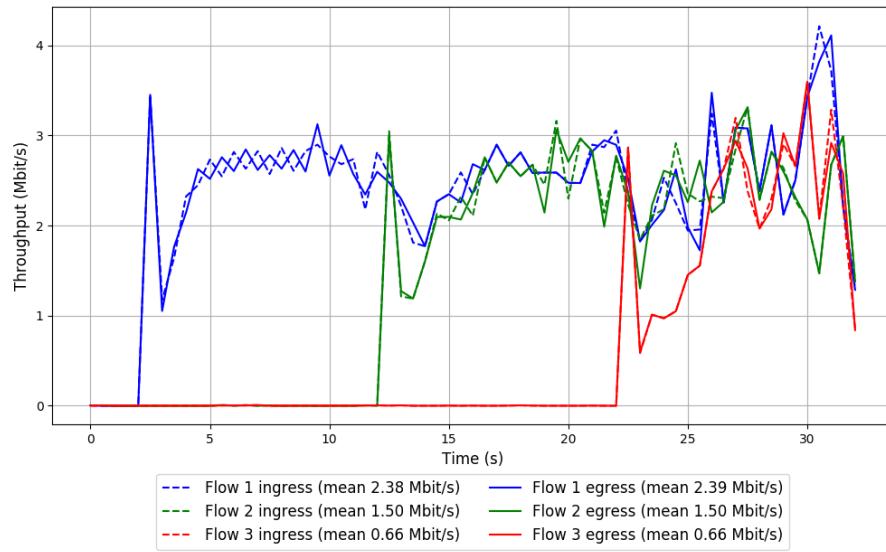


Run 2: Statistics of WebRTC media

```
Start at: 2018-02-28 00:33:35
End at: 2018-02-28 00:34:05
Local clock offset: -6.276 ms
Remote clock offset: -20.521 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 17.977 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.991 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 17.930 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 18.024 ms
Loss rate: 0.05%
```

Run 2: Report of WebRTC media — Data Link

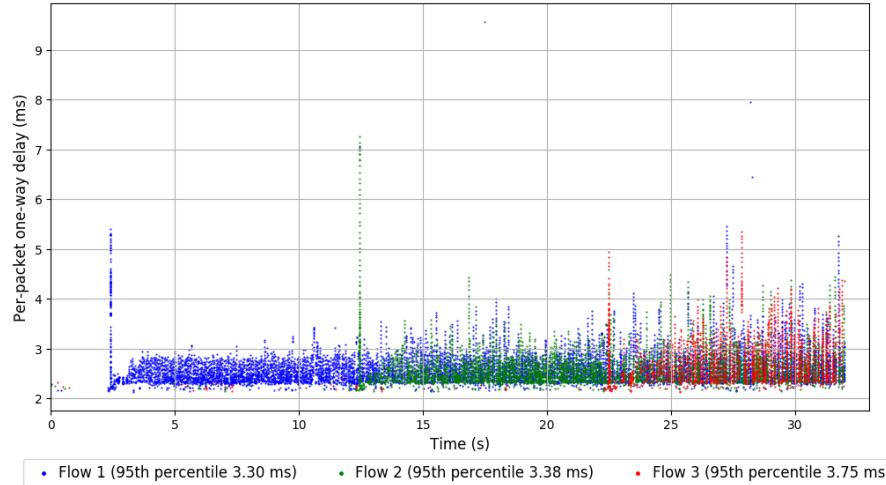
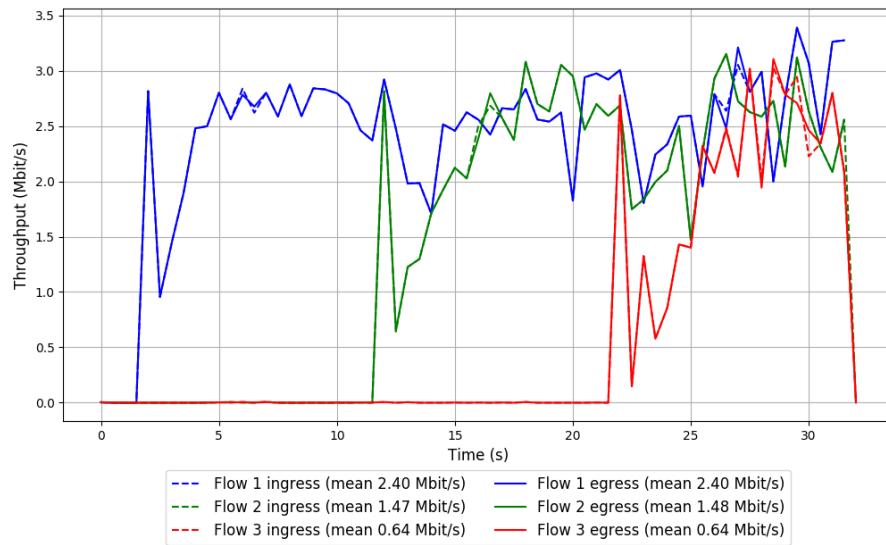


Run 3: Statistics of WebRTC media

```
Start at: 2018-02-28 00:54:07
End at: 2018-02-28 00:54:37
Local clock offset: -9.873 ms
Remote clock offset: -6.994 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 3.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 3.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.375 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 3.753 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

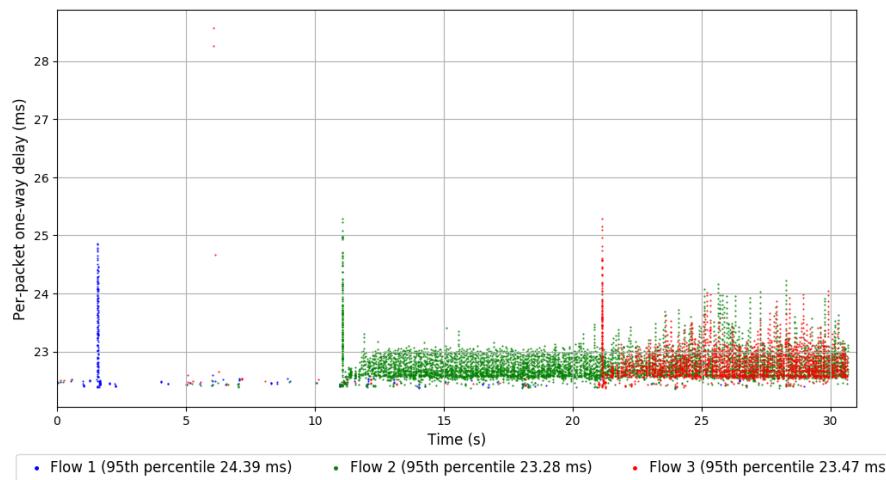
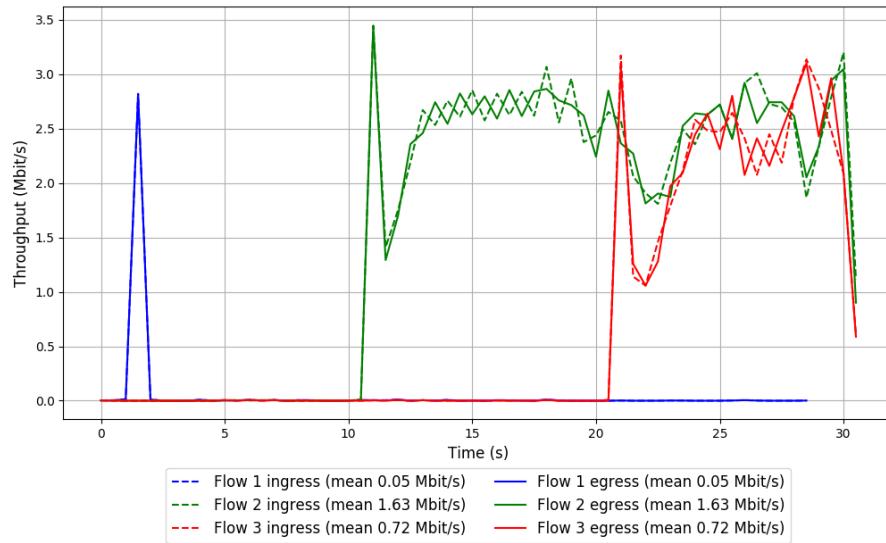


Run 4: Statistics of WebRTC media

```
Start at: 2018-02-28 01:14:35
End at: 2018-02-28 01:15:05
Local clock offset: -8.095 ms
Remote clock offset: -28.292 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 23.408 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 24.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 23.284 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 23.466 ms
Loss rate: 0.04%
```

Run 4: Report of WebRTC media — Data Link

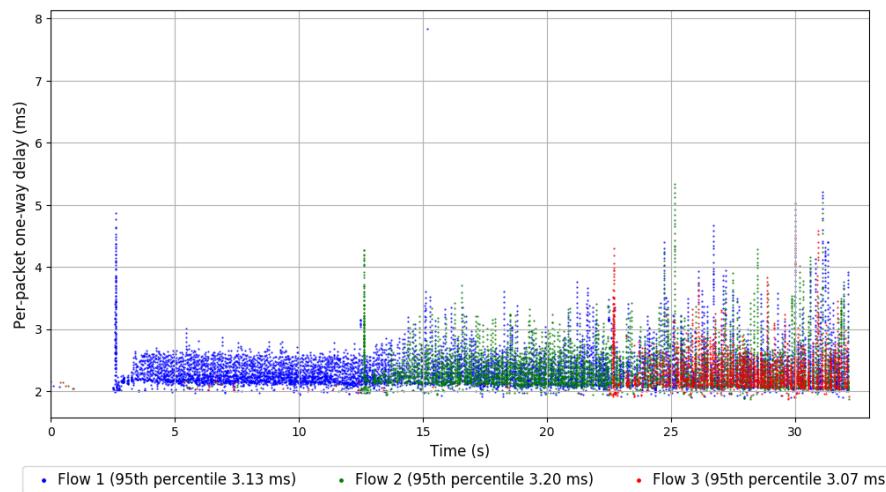
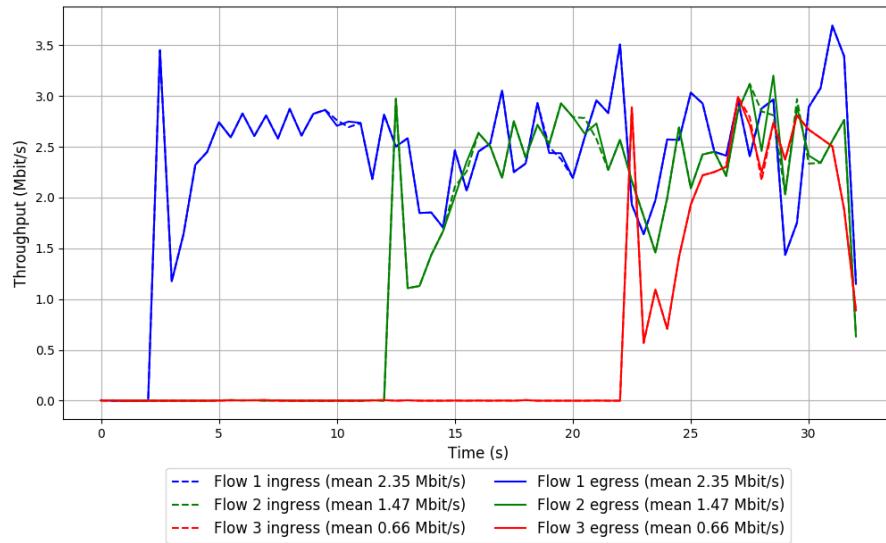


Run 5: Statistics of WebRTC media

```
Start at: 2018-02-28 01:35:00
End at: 2018-02-28 01:35:30
Local clock offset: -5.86 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 3.151 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.135 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.068 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

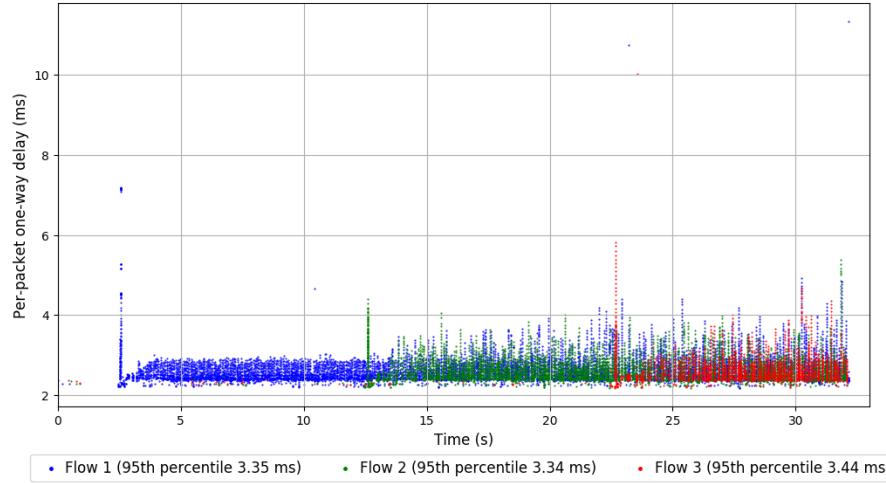
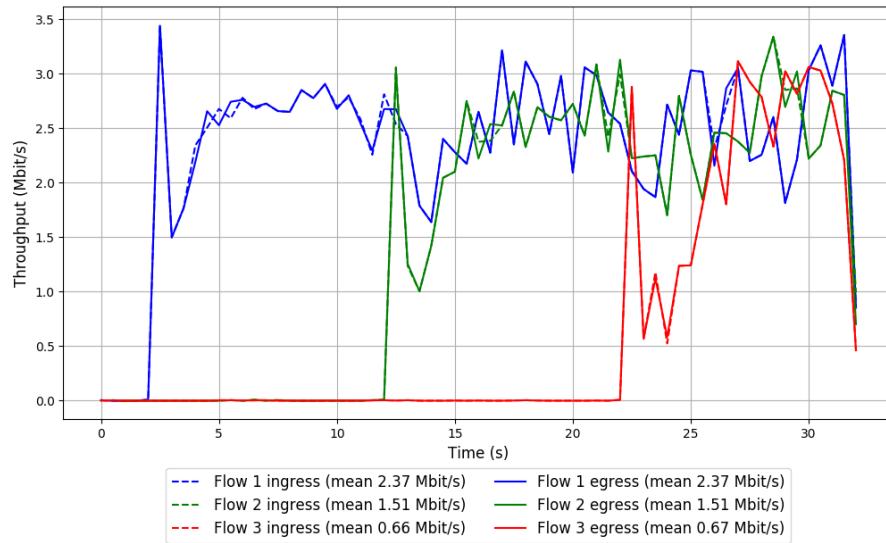


Run 6: Statistics of WebRTC media

```
Start at: 2018-02-28 01:55:22
End at: 2018-02-28 01:55:52
Local clock offset: -2.657 ms
Remote clock offset: -6.191 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 3.354 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 3.338 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 3.444 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

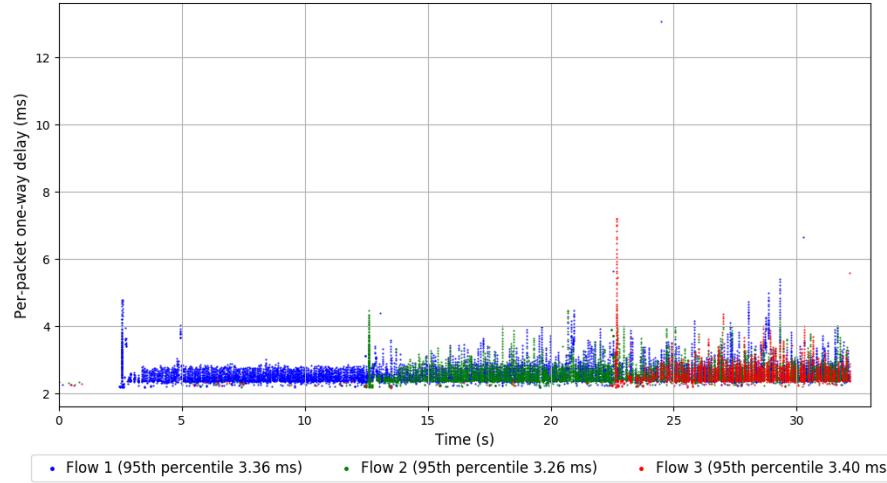
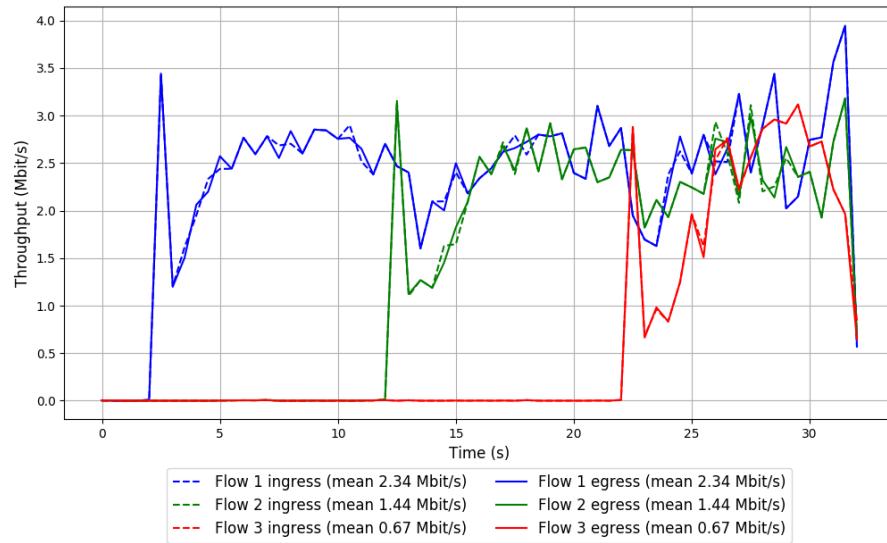


Run 7: Statistics of WebRTC media

```
Start at: 2018-02-28 02:15:46
End at: 2018-02-28 02:16:16
Local clock offset: -3.404 ms
Remote clock offset: -6.26 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 3.329 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 3.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 3.256 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 3.405 ms
Loss rate: 0.46%
```

Run 7: Report of WebRTC media — Data Link

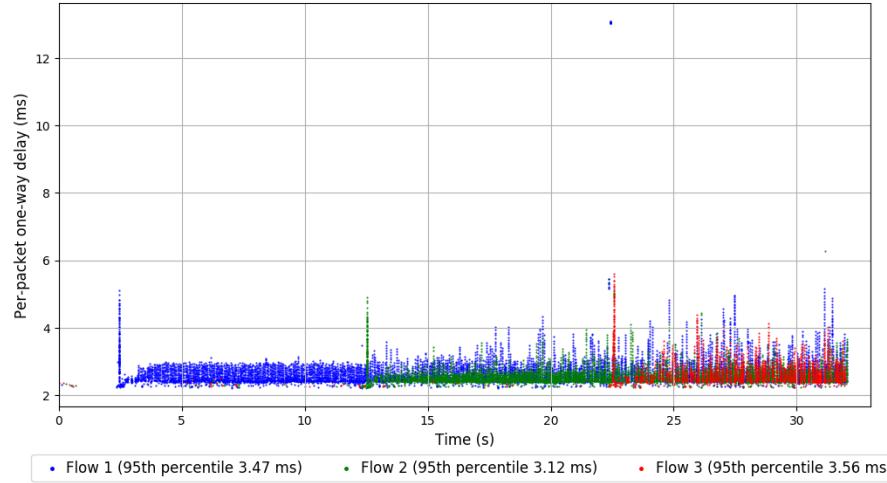
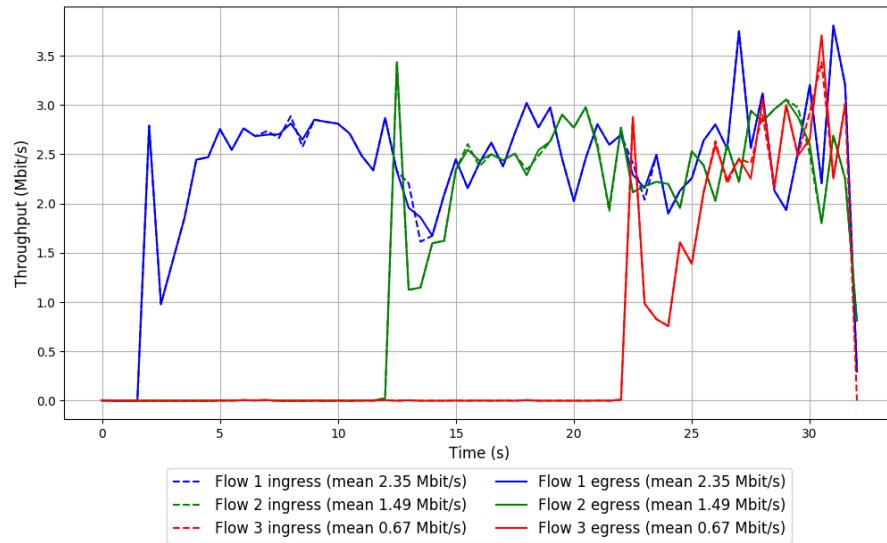


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-28 02:36:13
End at: 2018-02-28 02:36:43
Local clock offset: -3.693 ms
Remote clock offset: -6.786 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 3.468 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 3.558 ms
Loss rate: 0.01%
```

Run 8: Report of WebRTC media — Data Link

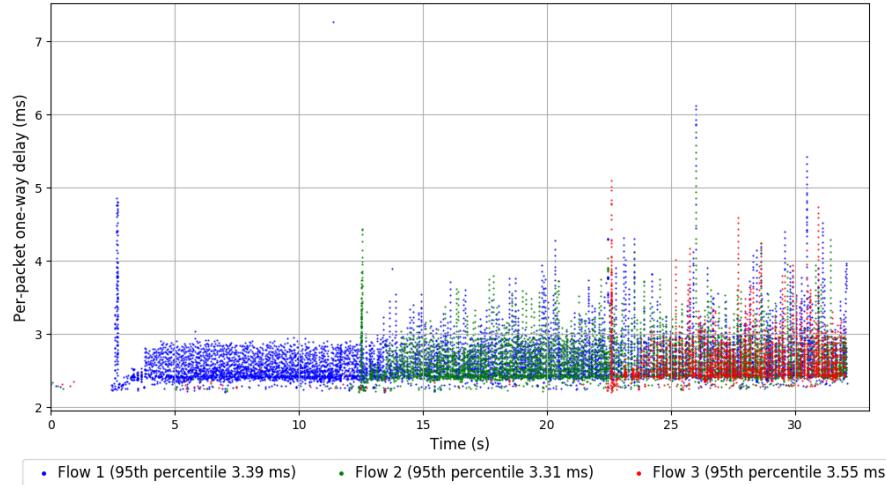
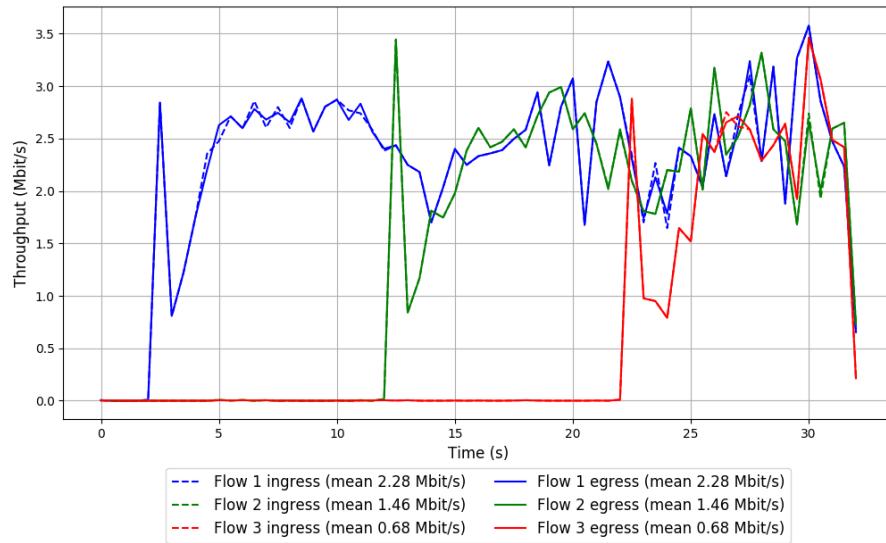


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-28 02:56:39
End at: 2018-02-28 02:57:09
Local clock offset: -5.954 ms
Remote clock offset: -7.275 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 3.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 3.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 3.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 3.548 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

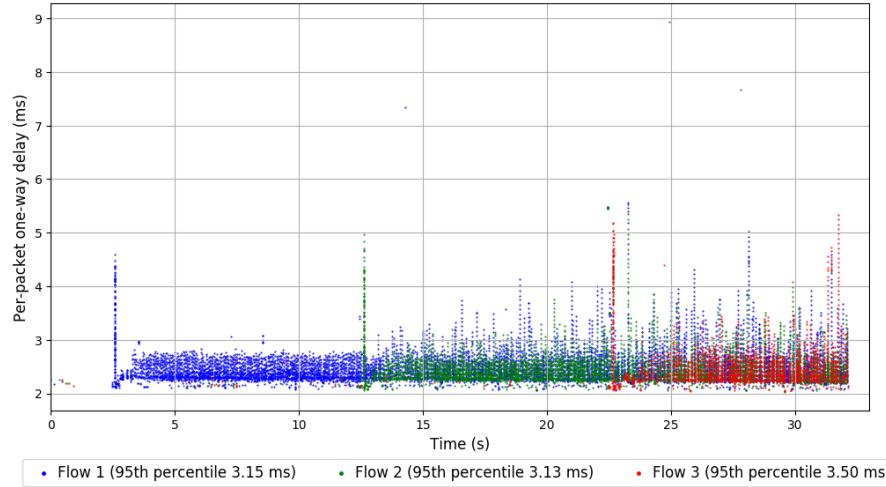
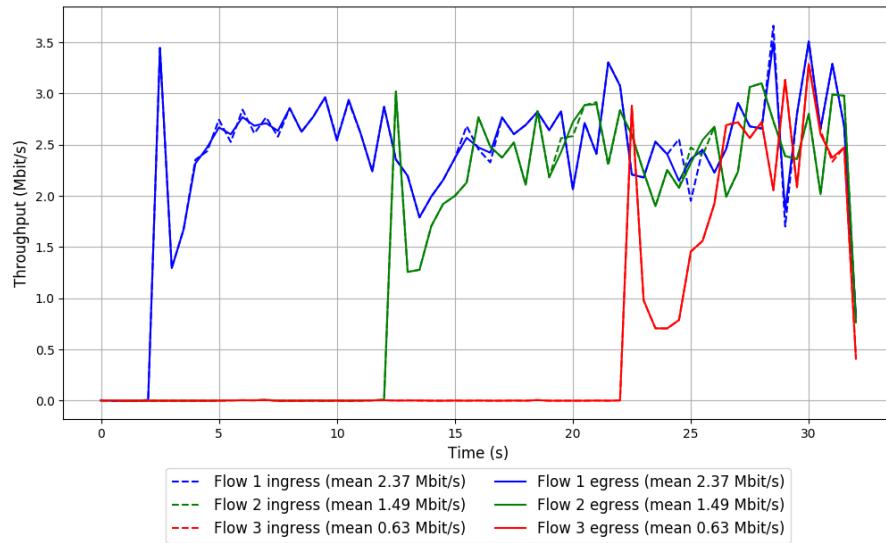


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-28 03:17:04
End at: 2018-02-28 03:17:34
Local clock offset: -5.401 ms
Remote clock offset: -6.965 ms

# Below is generated by plot.py at 2018-02-28 06:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 3.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 3.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 3.495 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

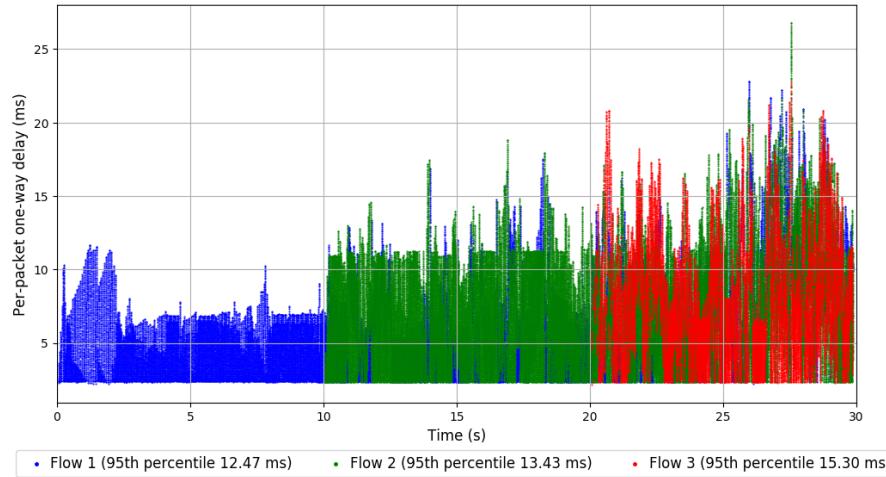
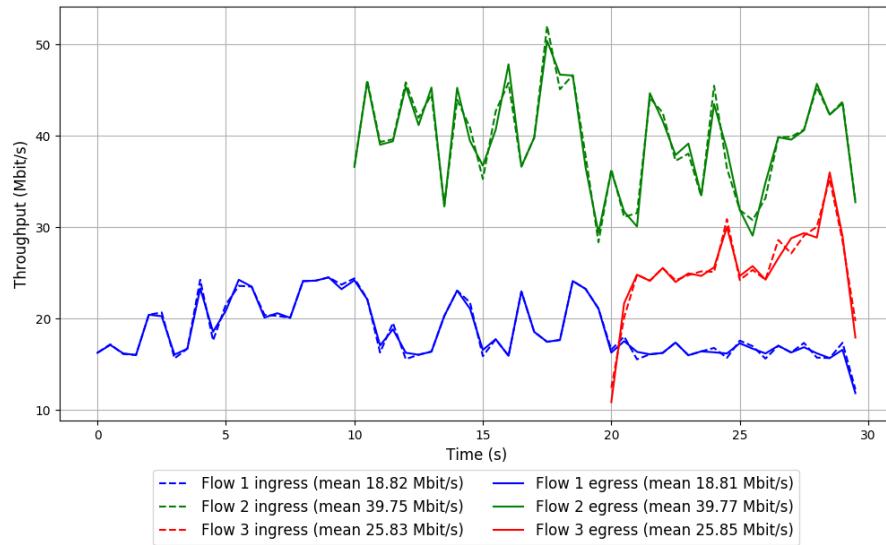


Run 1: Statistics of Sprout

```
Start at: 2018-02-28 00:09:39
End at: 2018-02-28 00:10:09
Local clock offset: 0.411 ms
Remote clock offset: -6.364 ms

# Below is generated by plot.py at 2018-02-28 06:58:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 13.674 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 12.466 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 13.428 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.85 Mbit/s
95th percentile per-packet one-way delay: 15.303 ms
Loss rate: 0.36%
```

Run 1: Report of Sprout — Data Link

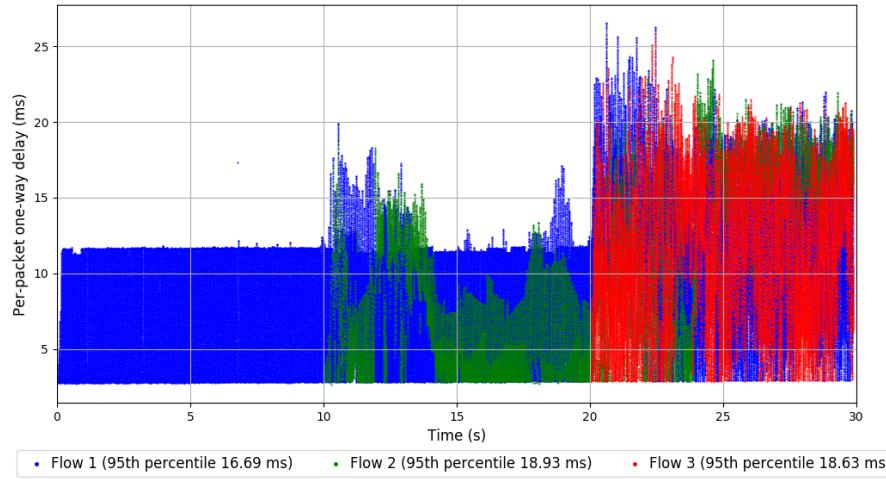
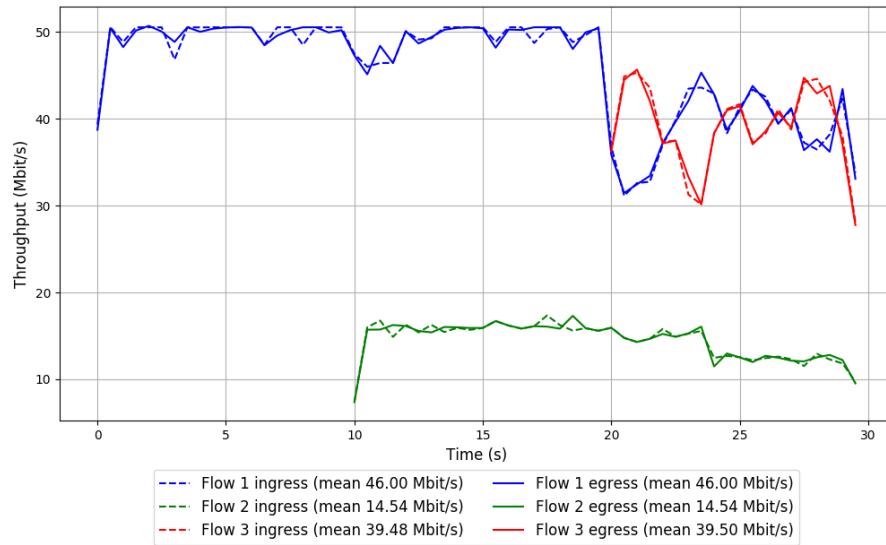


Run 2: Statistics of Sprout

```
Start at: 2018-02-28 00:30:13
End at: 2018-02-28 00:30:43
Local clock offset: -4.954 ms
Remote clock offset: -6.354 ms

# Below is generated by plot.py at 2018-02-28 06:58:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 17.846 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 16.686 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 18.934 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 18.629 ms
Loss rate: 0.16%
```

## Run 2: Report of Sprout — Data Link

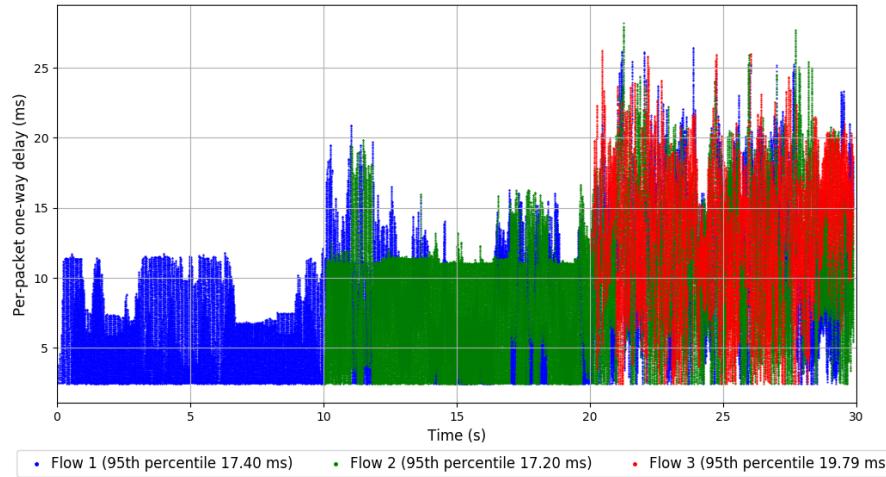
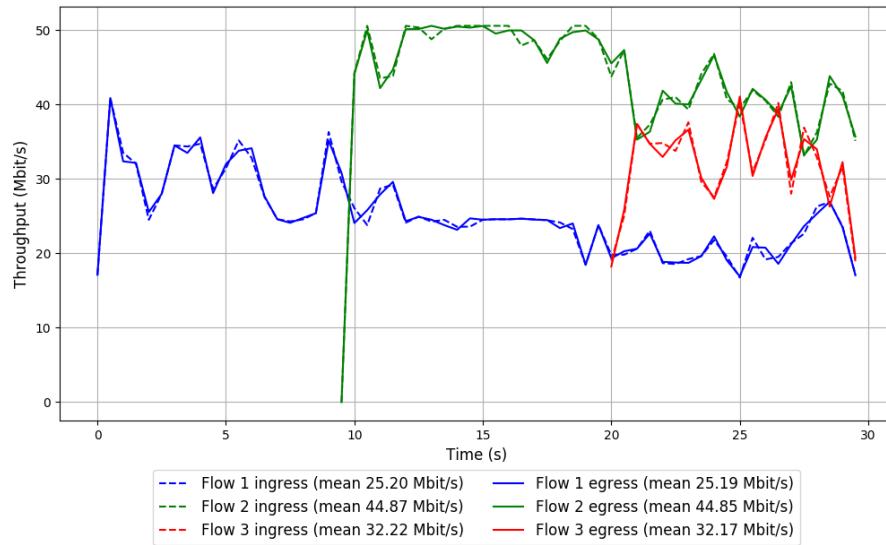


Run 3: Statistics of Sprout

```
Start at: 2018-02-28 00:50:42
End at: 2018-02-28 00:51:12
Local clock offset: -9.391 ms
Remote clock offset: -6.556 ms

# Below is generated by plot.py at 2018-02-28 06:58:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.62 Mbit/s
95th percentile per-packet one-way delay: 18.108 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 25.19 Mbit/s
95th percentile per-packet one-way delay: 17.399 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 17.203 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 19.794 ms
Loss rate: 0.11%
```

Run 3: Report of Sprout — Data Link

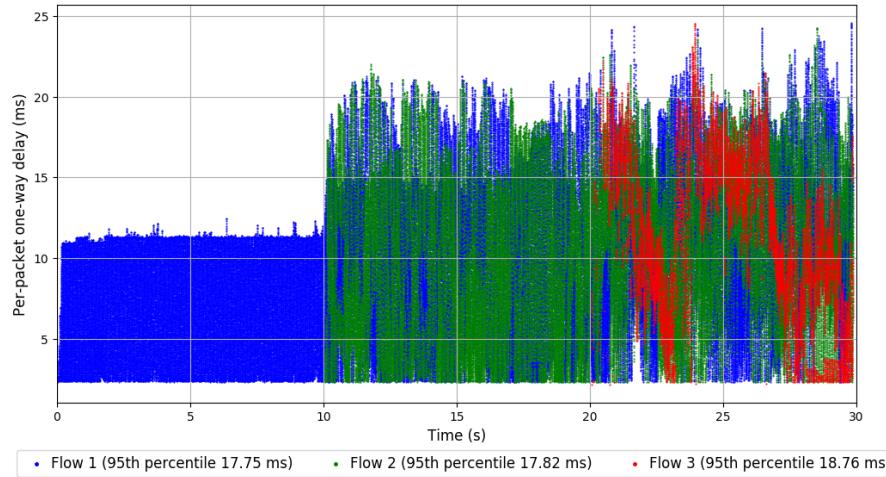
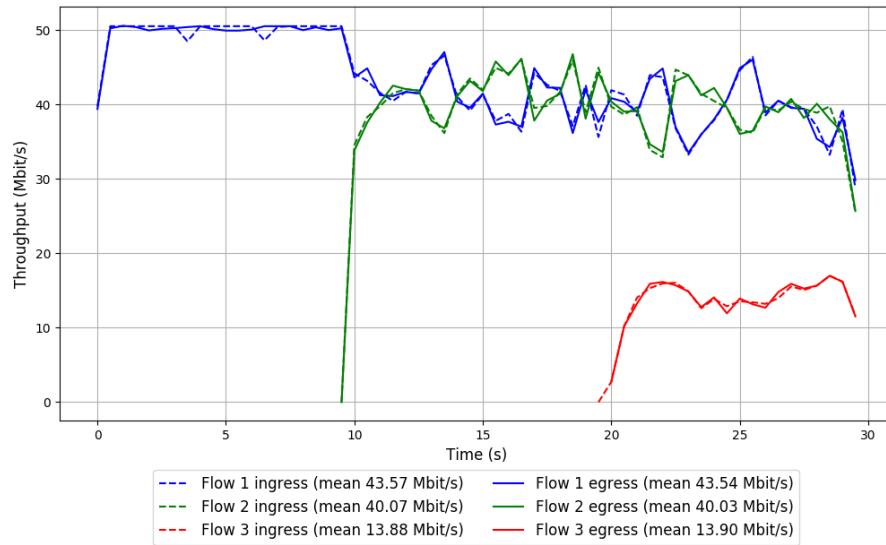


Run 4: Statistics of Sprout

```
Start at: 2018-02-28 01:11:11
End at: 2018-02-28 01:11:41
Local clock offset: -8.083 ms
Remote clock offset: -7.96 ms

# Below is generated by plot.py at 2018-02-28 06:58:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 17.869 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 17.746 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 17.822 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 18.761 ms
Loss rate: 0.04%
```

## Run 4: Report of Sprout — Data Link

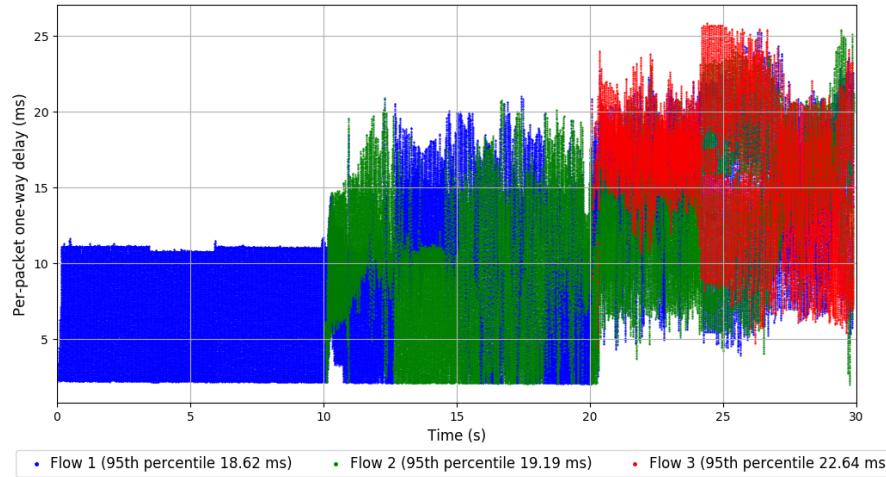
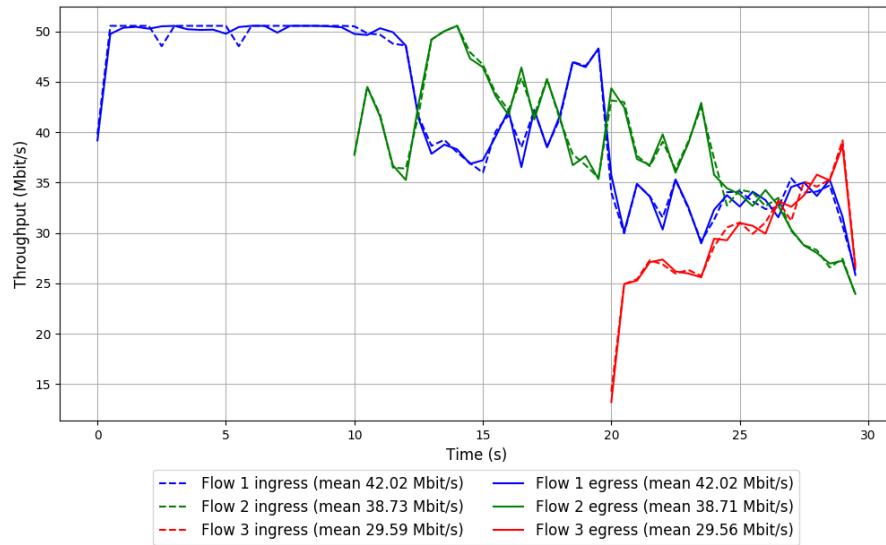


Run 5: Statistics of Sprout

```
Start at: 2018-02-28 01:31:36
End at: 2018-02-28 01:32:06
Local clock offset: -7.304 ms
Remote clock offset: -6.894 ms

# Below is generated by plot.py at 2018-02-28 06:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 19.739 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.02 Mbit/s
95th percentile per-packet one-way delay: 18.619 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 22.638 ms
Loss rate: 0.28%
```

## Run 5: Report of Sprout — Data Link

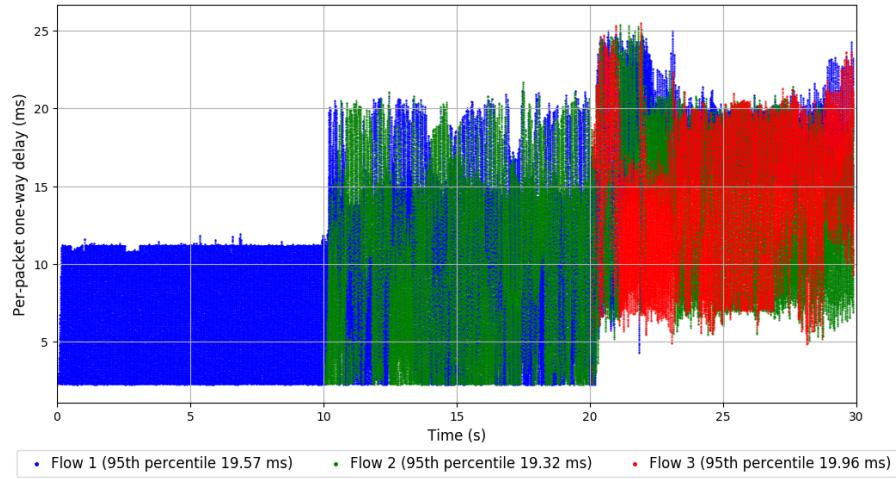
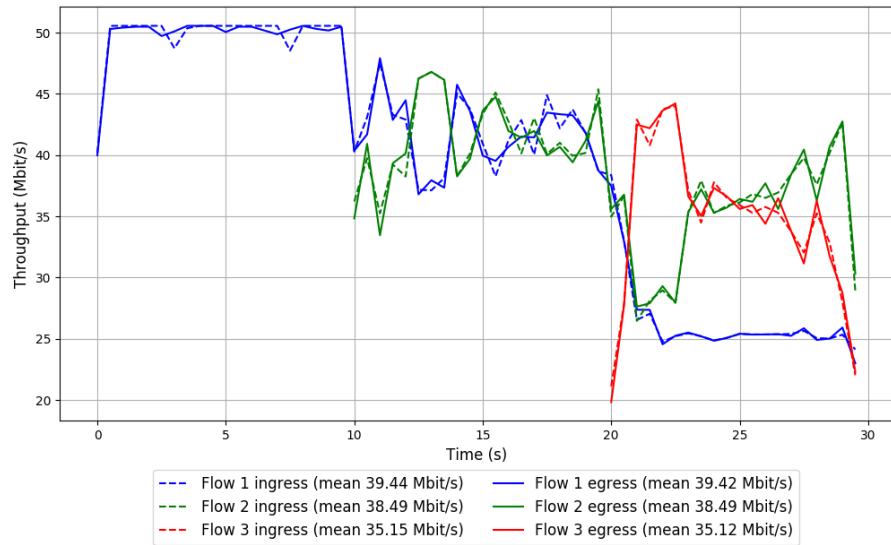


Run 6: Statistics of Sprout

```
Start at: 2018-02-28 01:51:59
End at: 2018-02-28 01:52:29
Local clock offset: -2.914 ms
Remote clock offset: -6.14 ms

# Below is generated by plot.py at 2018-02-28 06:58:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 19.565 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 19.572 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 19.965 ms
Loss rate: 0.06%
```

Run 6: Report of Sprout — Data Link

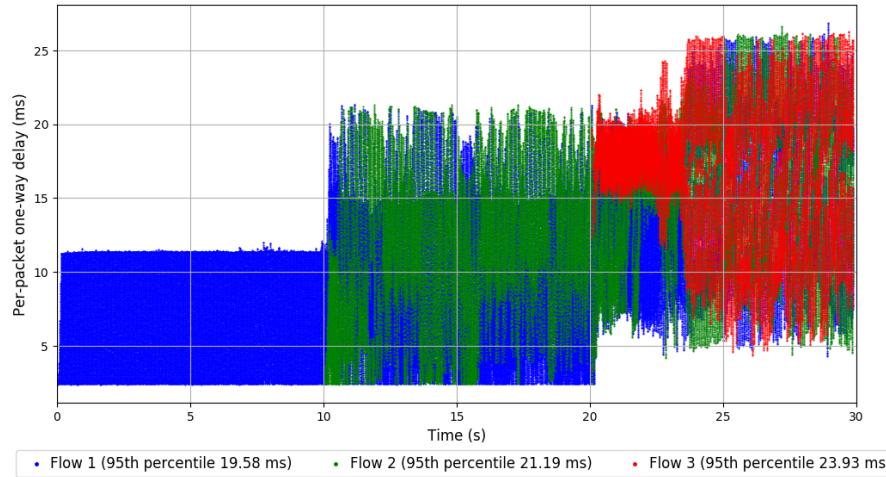
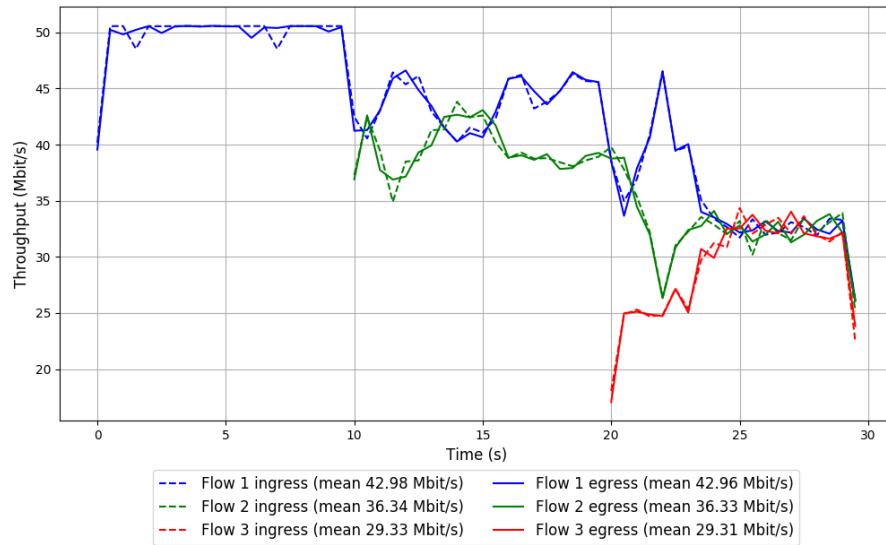


Run 7: Statistics of Sprout

```
Start at: 2018-02-28 02:12:23
End at: 2018-02-28 02:12:53
Local clock offset: -3.199 ms
Remote clock offset: -6.246 ms

# Below is generated by plot.py at 2018-02-28 06:58:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 21.272 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.96 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 21.186 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 23.930 ms
Loss rate: 0.05%
```

Run 7: Report of Sprout — Data Link

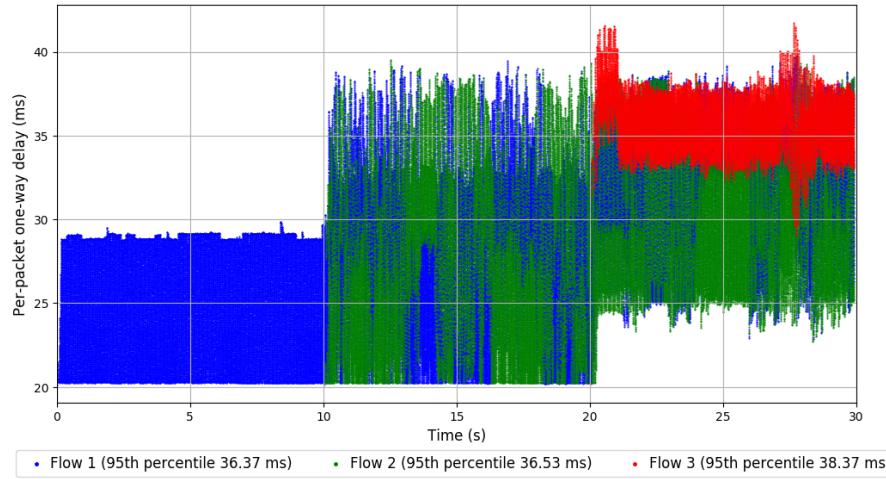
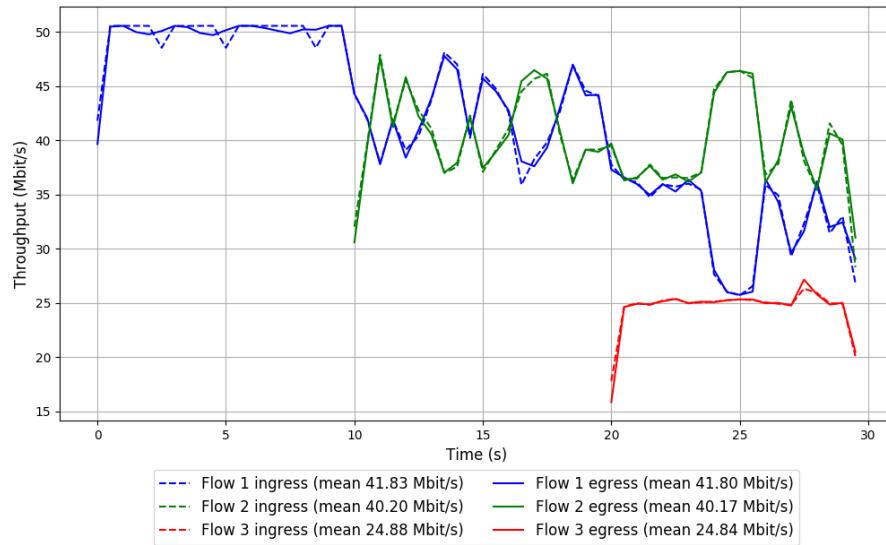


Run 8: Statistics of Sprout

```
Start at: 2018-02-28 02:32:48
End at: 2018-02-28 02:33:18
Local clock offset: -3.676 ms
Remote clock offset: -24.395 ms

# Below is generated by plot.py at 2018-02-28 06:59:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 37.057 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 36.373 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 36.534 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 38.366 ms
Loss rate: 0.21%
```

Run 8: Report of Sprout — Data Link

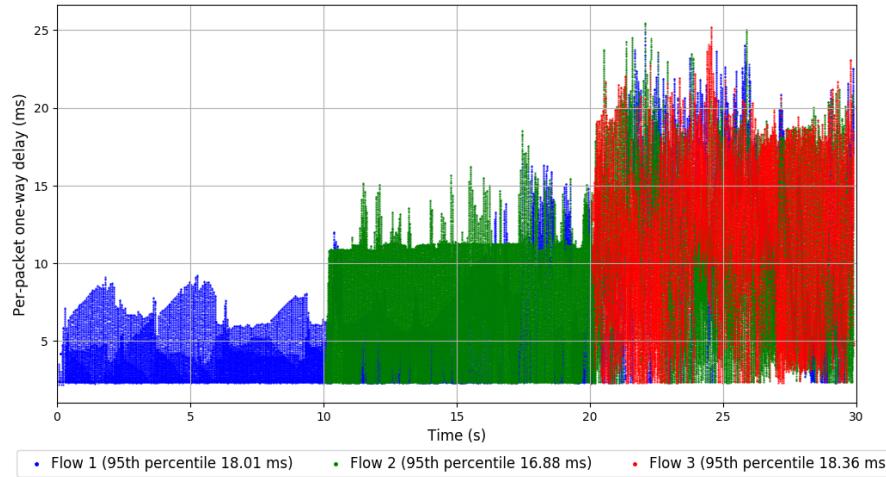
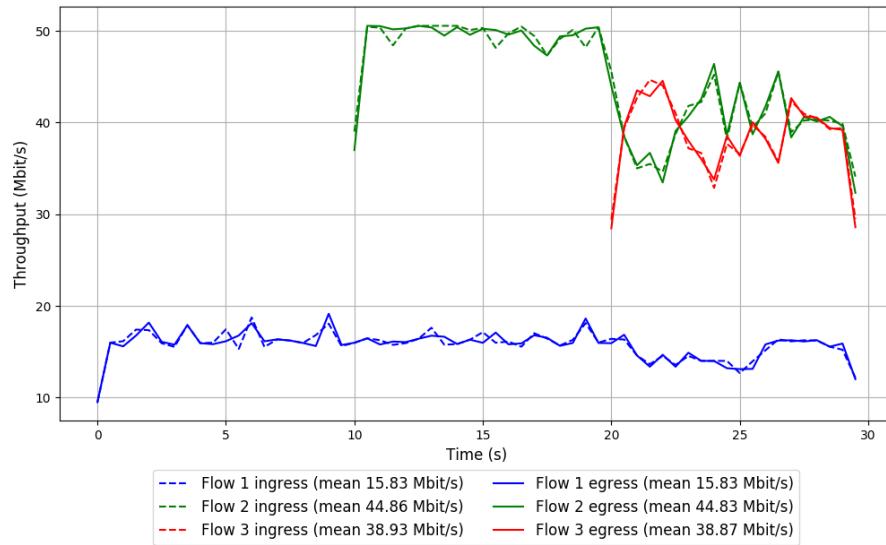


Run 9: Statistics of Sprout

```
Start at: 2018-02-28 02:53:13
End at: 2018-02-28 02:53:43
Local clock offset: -5.814 ms
Remote clock offset: -7.229 ms

# Below is generated by plot.py at 2018-02-28 06:59:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 17.648 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 18.010 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 16.884 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 18.363 ms
Loss rate: 0.15%
```

## Run 9: Report of Sprout — Data Link

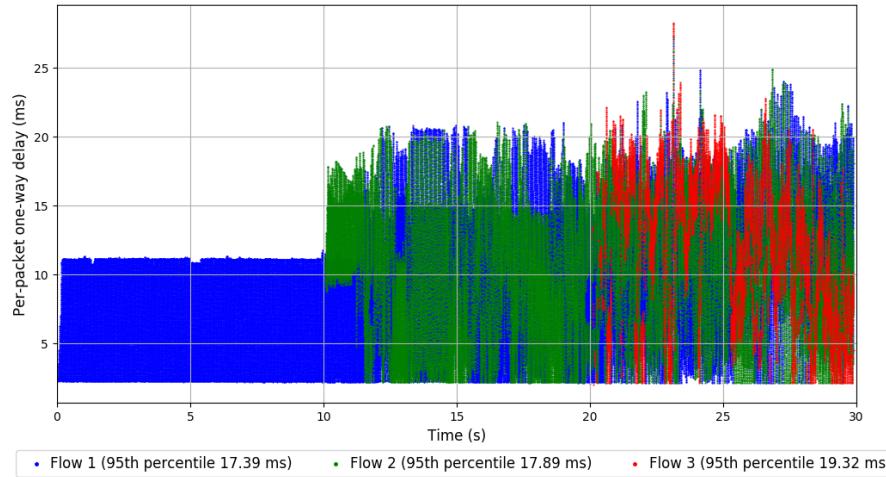
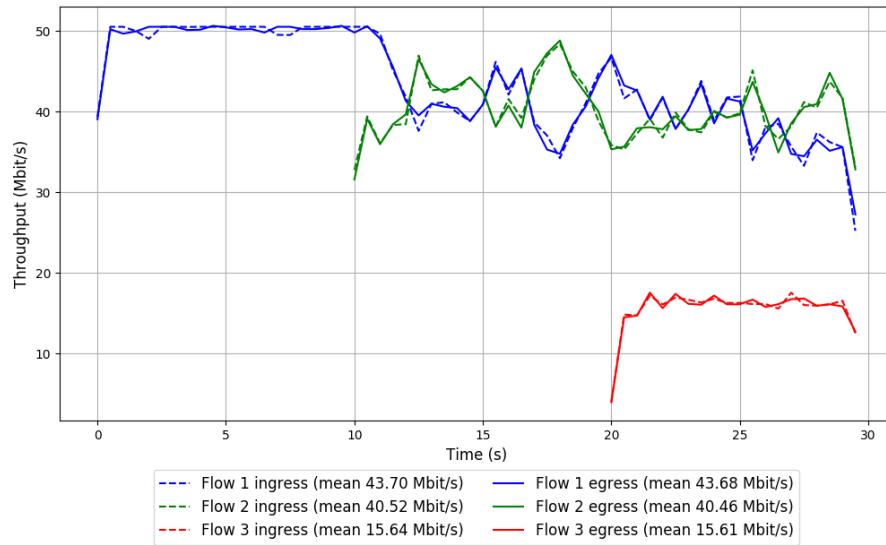


Run 10: Statistics of Sprout

```
Start at: 2018-02-28 03:13:39
End at: 2018-02-28 03:14:09
Local clock offset: -6.179 ms
Remote clock offset: -6.974 ms

# Below is generated by plot.py at 2018-02-28 06:59:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.74 Mbit/s
95th percentile per-packet one-way delay: 17.865 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 17.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 17.893 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.16%
```

## Run 10: Report of Sprout — Data Link

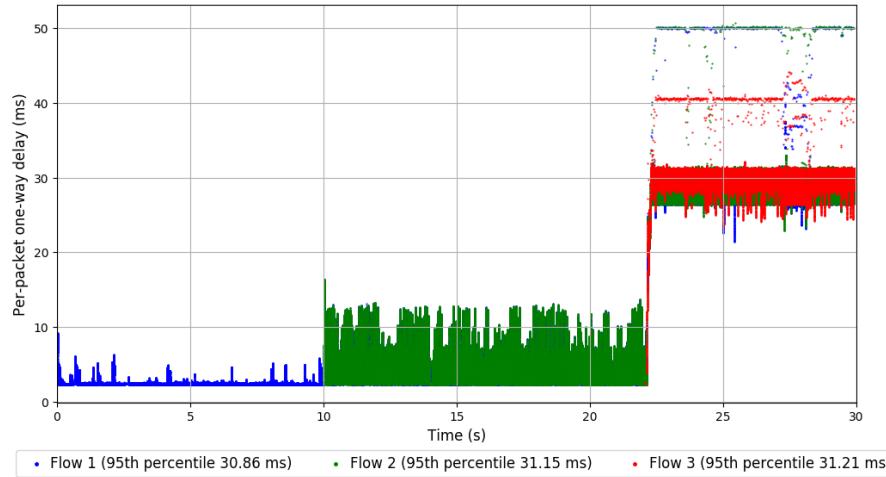
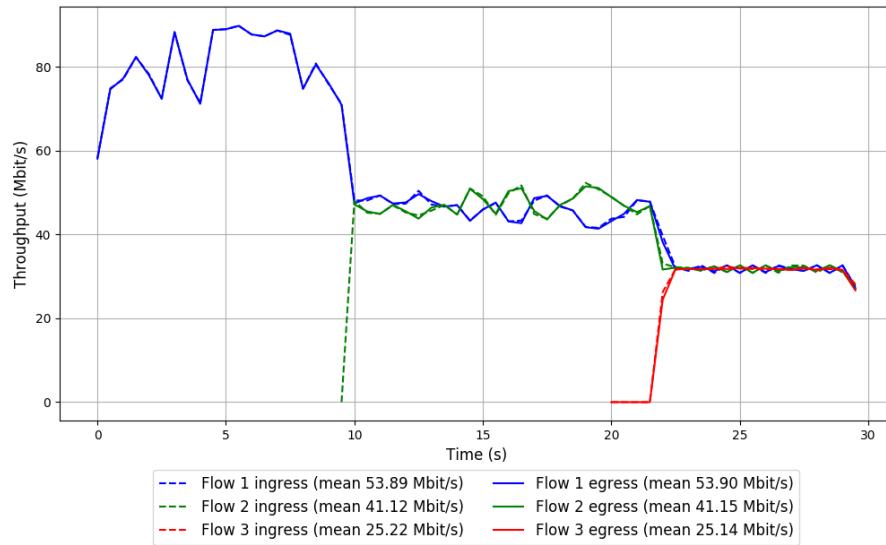


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-02-28 00:15:19
End at: 2018-02-28 00:15:49
Local clock offset: 0.756 ms
Remote clock offset: -6.314 ms

# Below is generated by plot.py at 2018-02-28 07:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 53.90 Mbit/s
95th percentile per-packet one-way delay: 30.855 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 31.151 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 31.214 ms
Loss rate: 0.65%
```

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

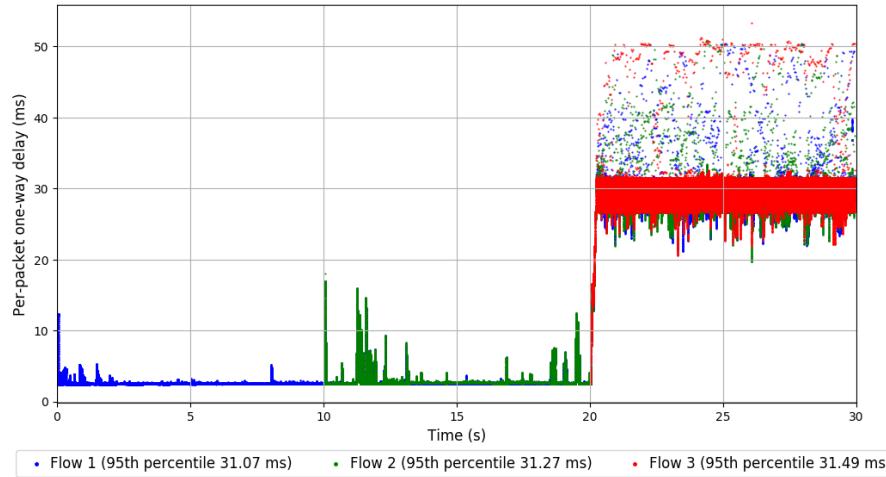
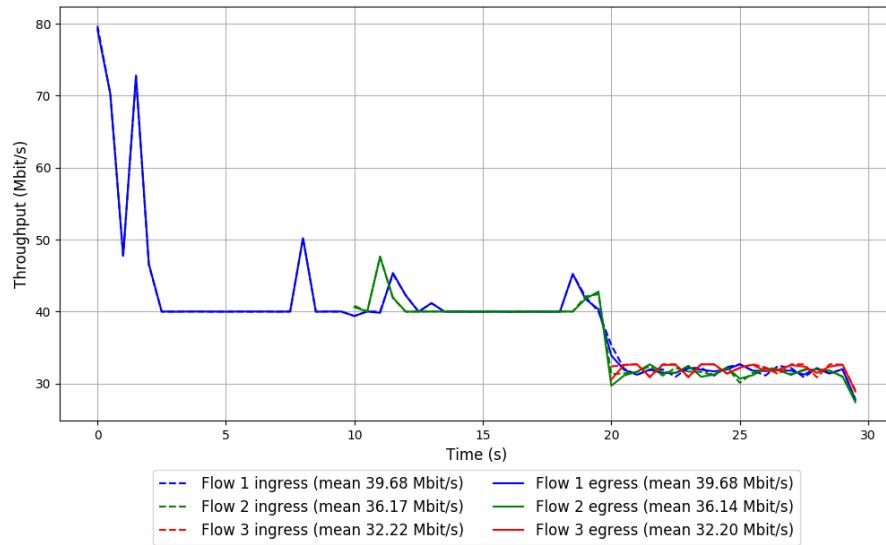


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-02-28 00:35:50
End at: 2018-02-28 00:36:20
Local clock offset: -6.913 ms
Remote clock offset: -6.158 ms

# Below is generated by plot.py at 2018-02-28 07:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.38 Mbit/s
95th percentile per-packet one-way delay: 31.332 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.070 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 31.272 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 31.486 ms
Loss rate: 0.31%
```

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

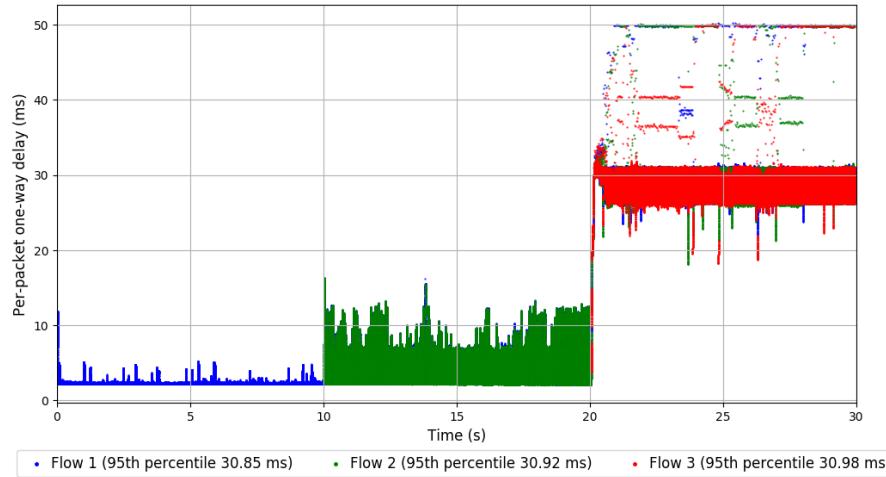
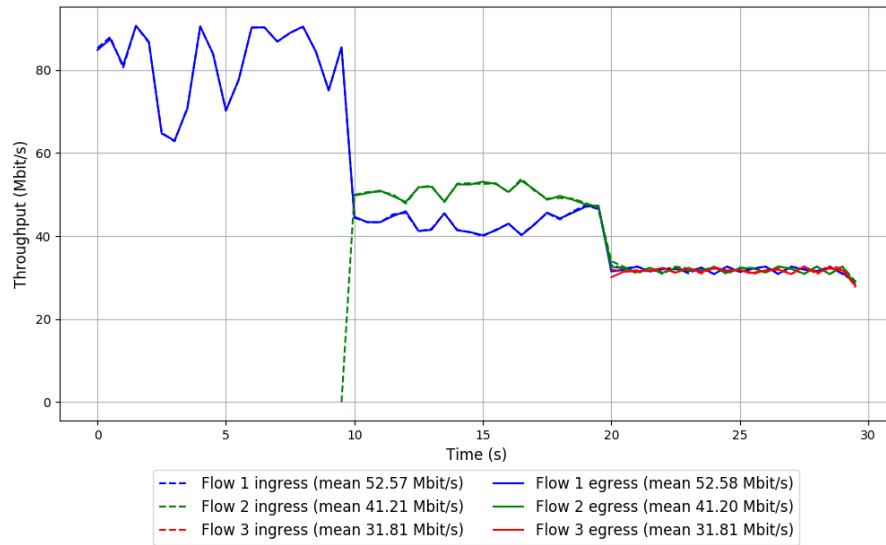


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-02-28 00:56:21
End at: 2018-02-28 00:56:51
Local clock offset: -9.627 ms
Remote clock offset: -7.201 ms

# Below is generated by plot.py at 2018-02-28 07:01:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 30.908 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 52.58 Mbit/s
95th percentile per-packet one-way delay: 30.850 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 30.916 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 30.984 ms
Loss rate: 0.29%
```

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

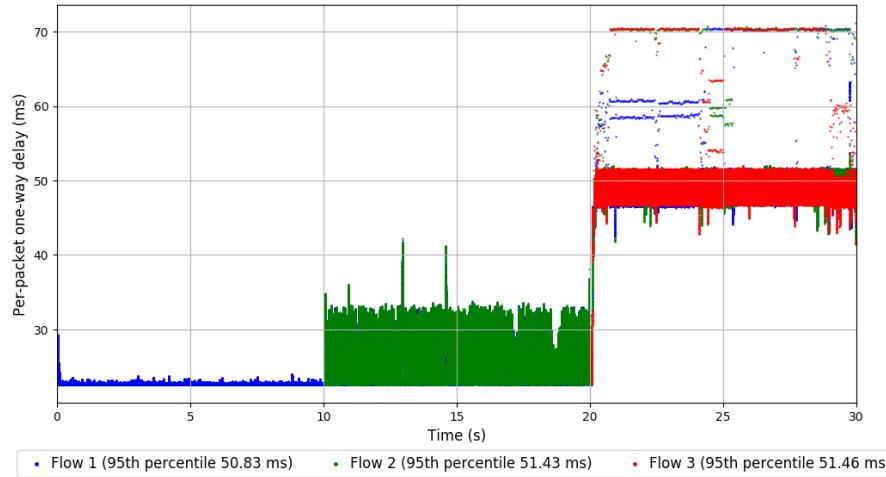
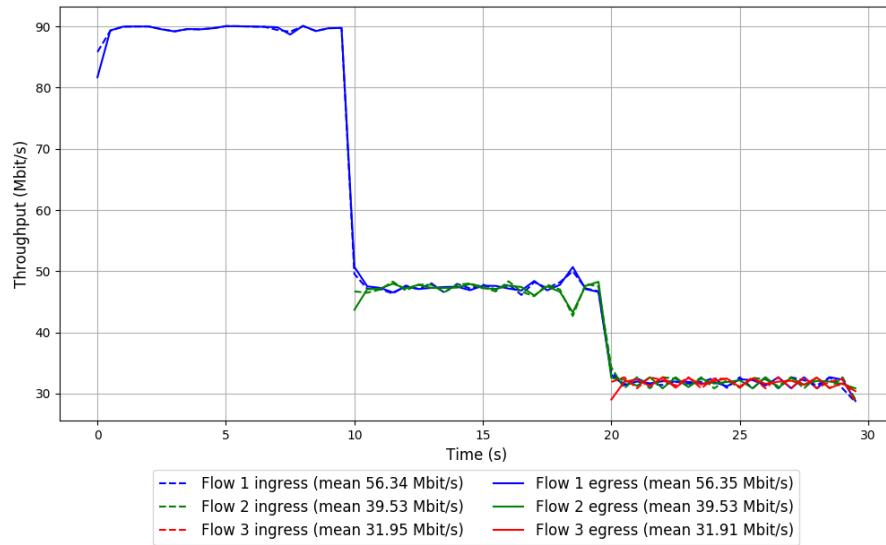


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-02-28 01:16:48
End at: 2018-02-28 01:17:18
Local clock offset: -8.091 ms
Remote clock offset: -28.371 ms

# Below is generated by plot.py at 2018-02-28 07:01:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 51.397 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 50.826 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 51.429 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 51.464 ms
Loss rate: 0.29%
```

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

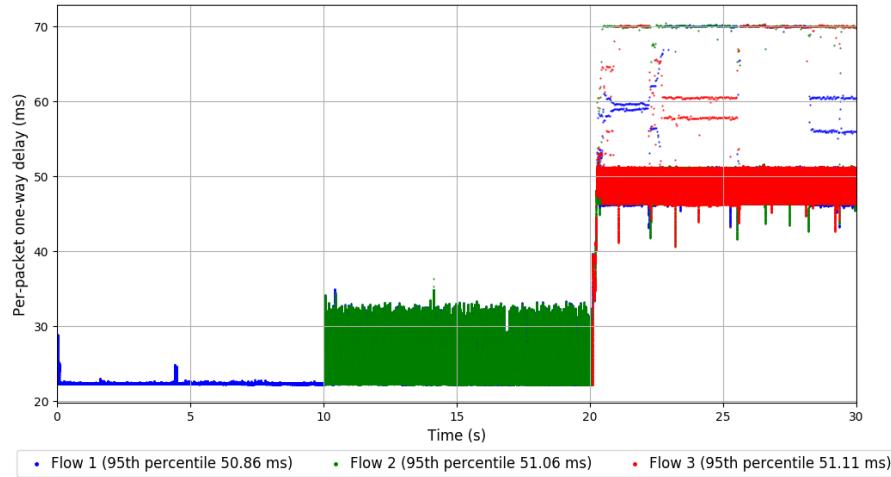
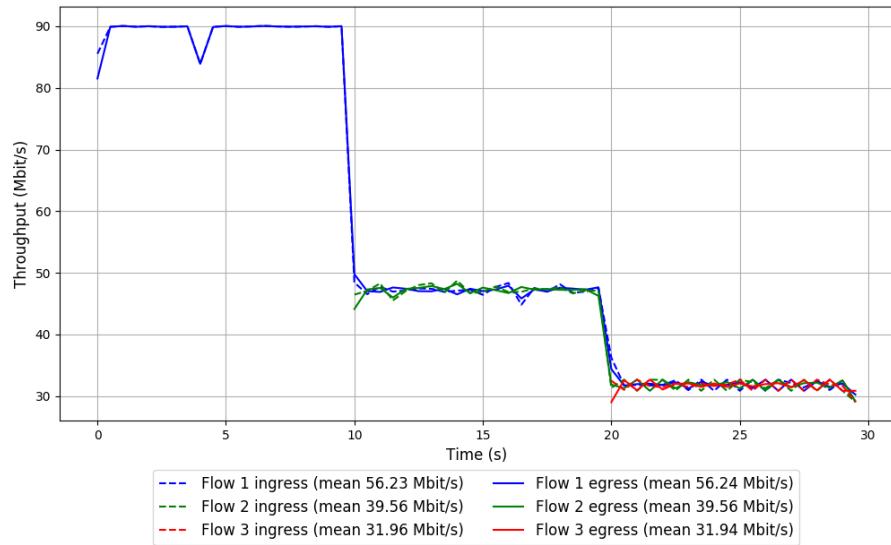


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-02-28 01:37:13
End at: 2018-02-28 01:37:43
Local clock offset: -5.194 ms
Remote clock offset: -26.681 ms

# Below is generated by plot.py at 2018-02-28 07:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 51.035 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 51.111 ms
Loss rate: 0.29%
```

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

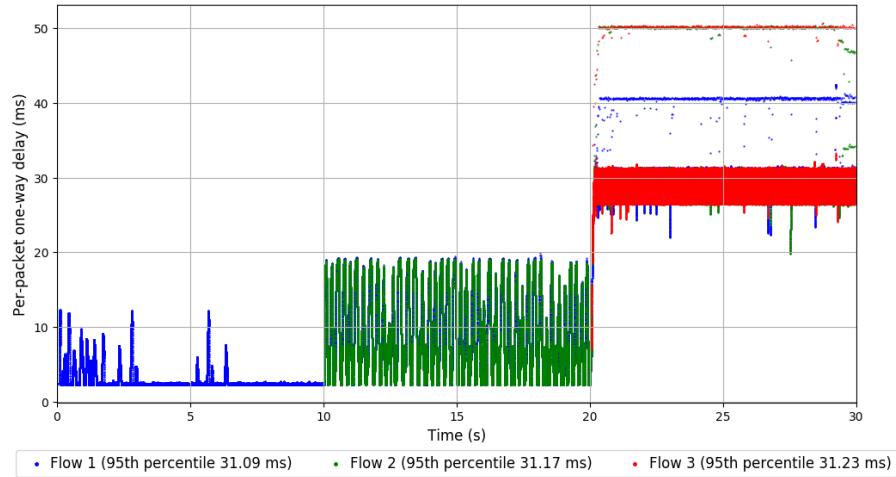
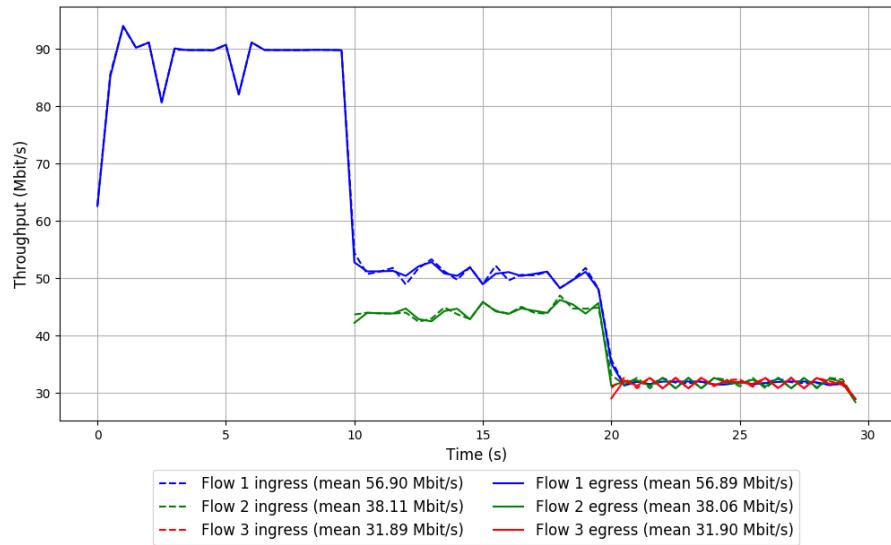


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-02-28 01:57:36
End at: 2018-02-28 01:58:06
Local clock offset: -2.52 ms
Remote clock offset: -6.22 ms

# Below is generated by plot.py at 2018-02-28 07:01:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 31.167 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 31.170 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.227 ms
Loss rate: 0.29%
```

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

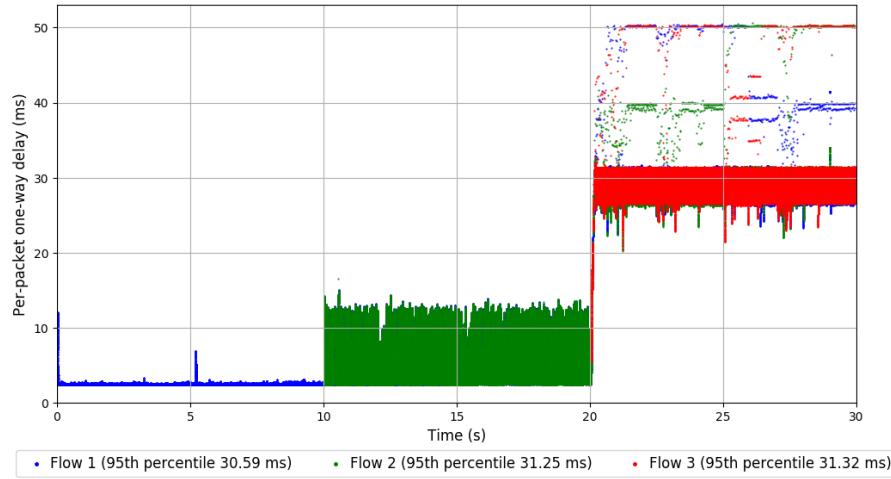
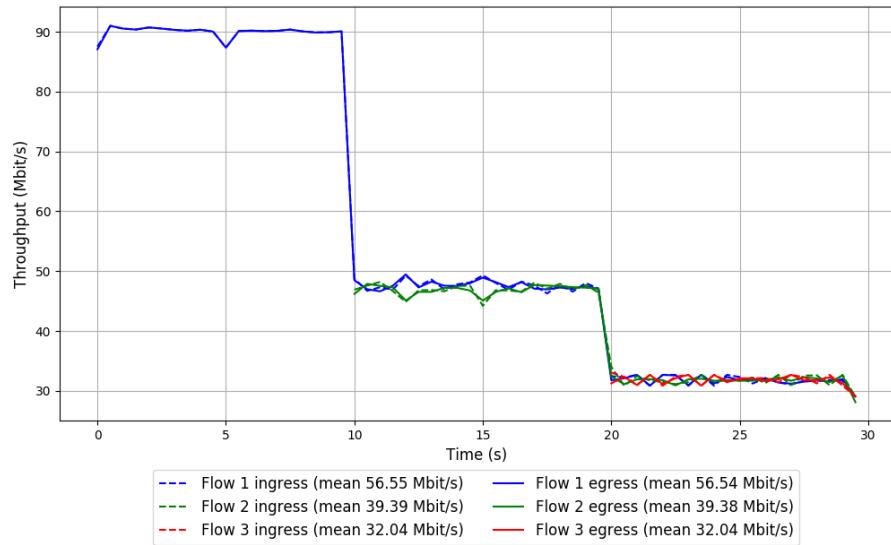


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-02-28 02:18:00
End at: 2018-02-28 02:18:30
Local clock offset: -3.429 ms
Remote clock offset: -6.311 ms

# Below is generated by plot.py at 2018-02-28 07:01:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 31.231 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 30.593 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 31.245 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 31.322 ms
Loss rate: 0.29%
```

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

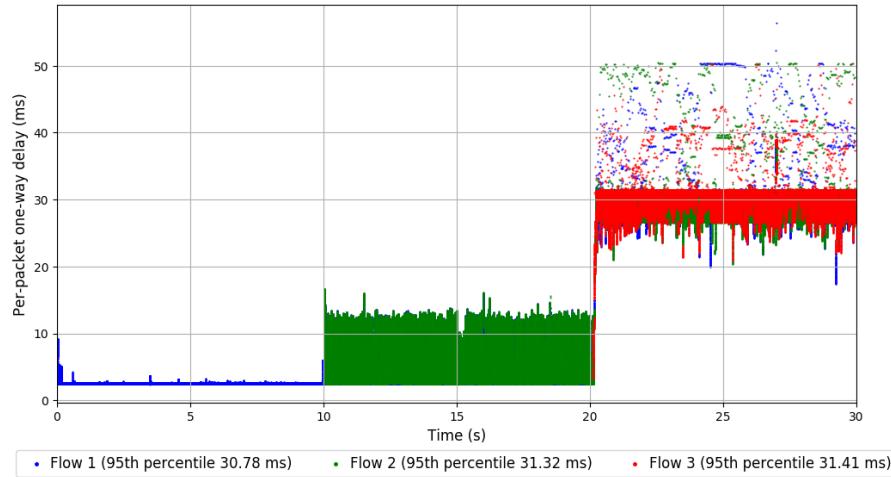
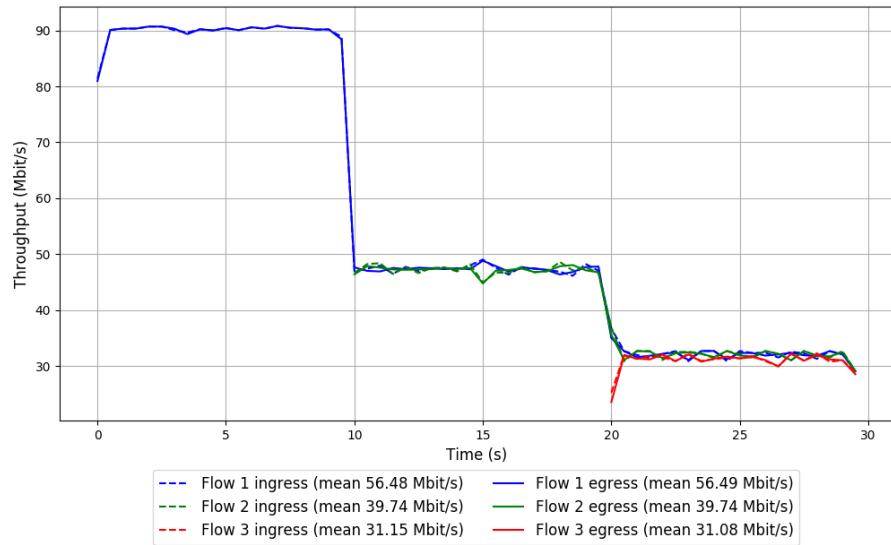


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-28 02:38:27
End at: 2018-02-28 02:38:57
Local clock offset: -3.817 ms
Remote clock offset: -6.835 ms

# Below is generated by plot.py at 2018-02-28 07:02:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 30.783 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 31.321 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 31.410 ms
Loss rate: 0.34%
```

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

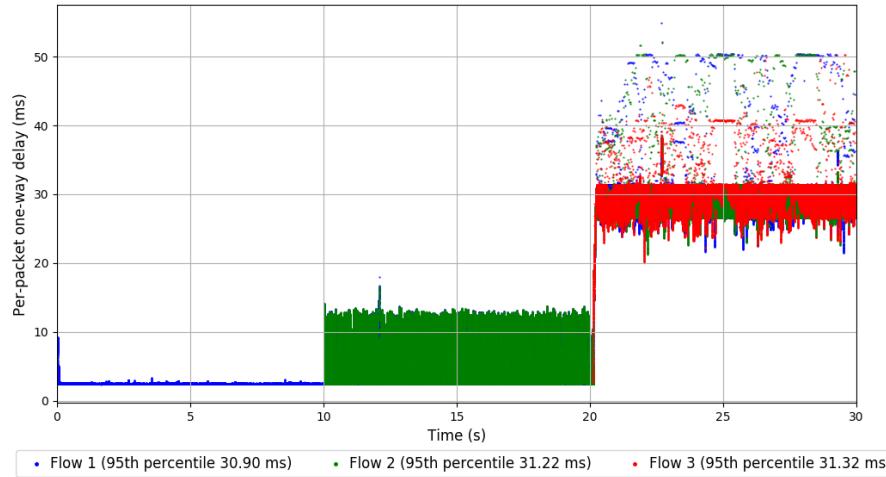
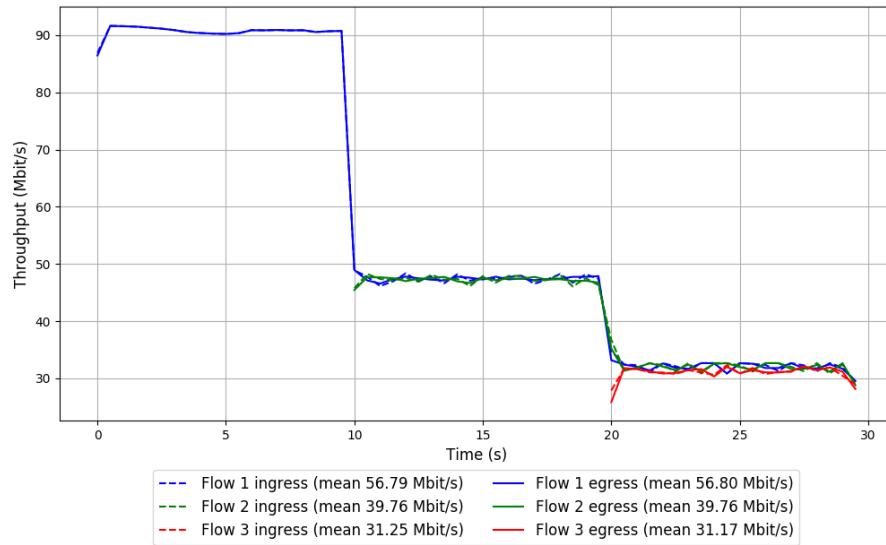


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-28 02:58:52
End at: 2018-02-28 02:59:22
Local clock offset: -6.108 ms
Remote clock offset: -7.374 ms

# Below is generated by plot.py at 2018-02-28 07:03:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 31.203 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 30.896 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 0.30%
```

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

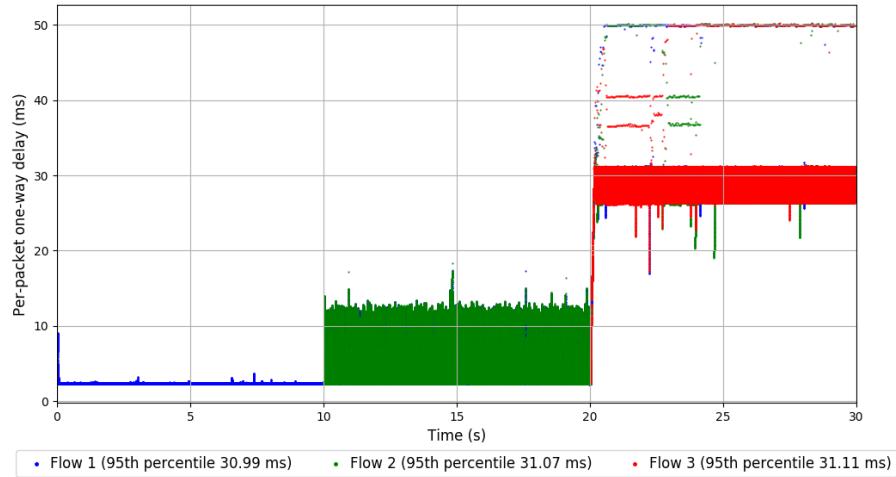
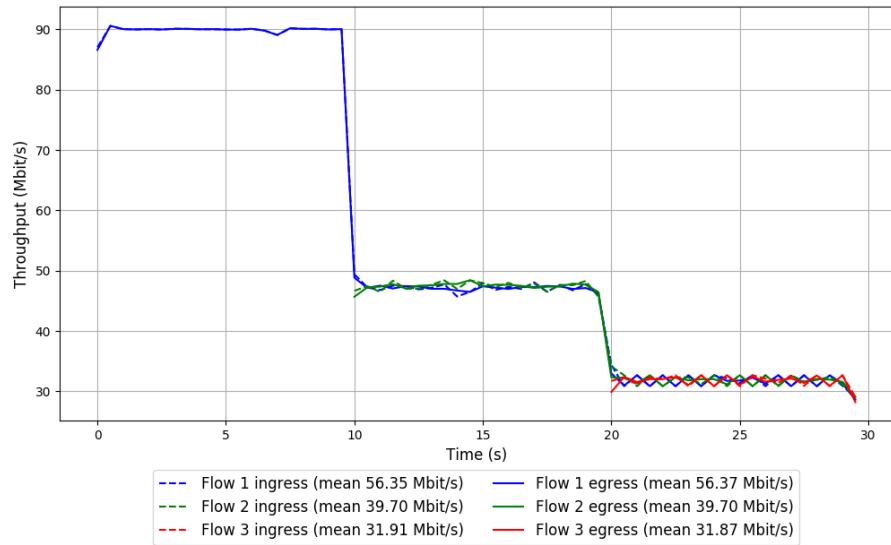


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-28 03:19:18
End at: 2018-02-28 03:19:48
Local clock offset: -4.929 ms
Remote clock offset: -6.88 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 31.055 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 30.989 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 31.067 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.42%
```

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

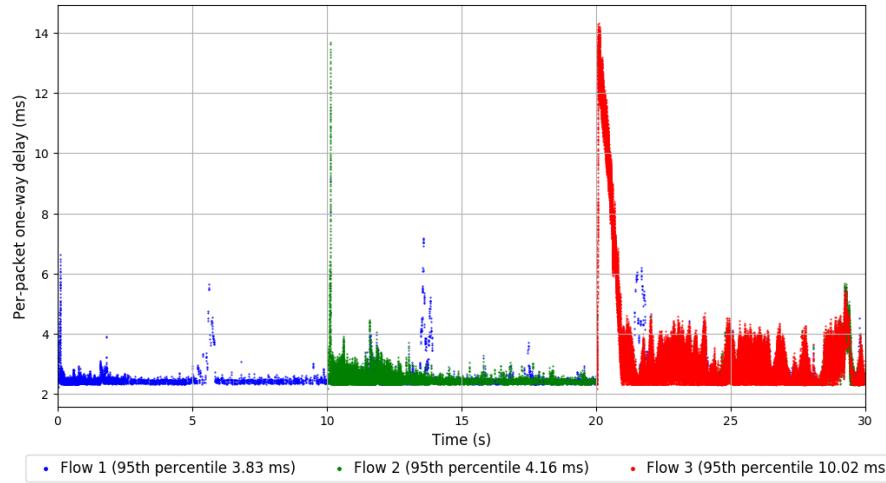
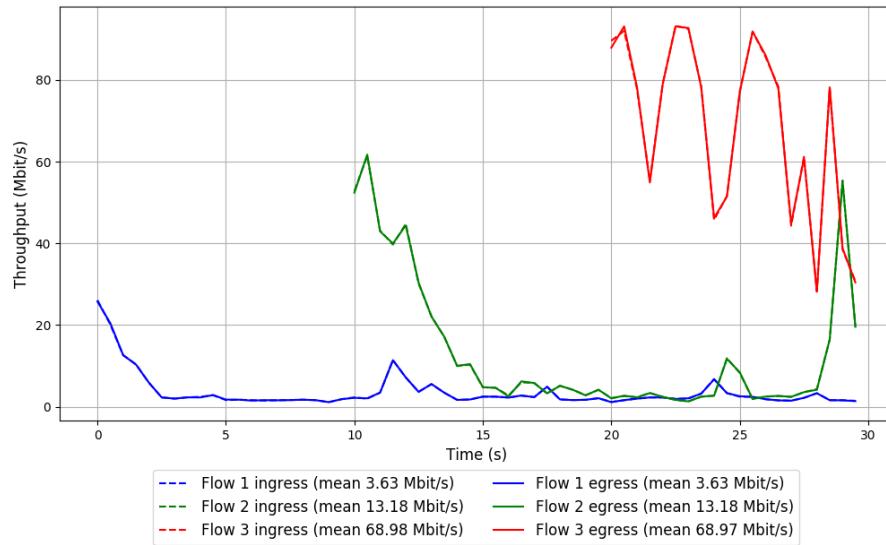


Run 1: Statistics of TCP Vegas

```
Start at: 2018-02-28 00:00:23
End at: 2018-02-28 00:00:53
Local clock offset: -0.096 ms
Remote clock offset: -6.471 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 7.997 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 3.827 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 13.18 Mbit/s
95th percentile per-packet one-way delay: 4.160 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 10.015 ms
Loss rate: 0.03%
```

Run 1: Report of TCP Vegas — Data Link

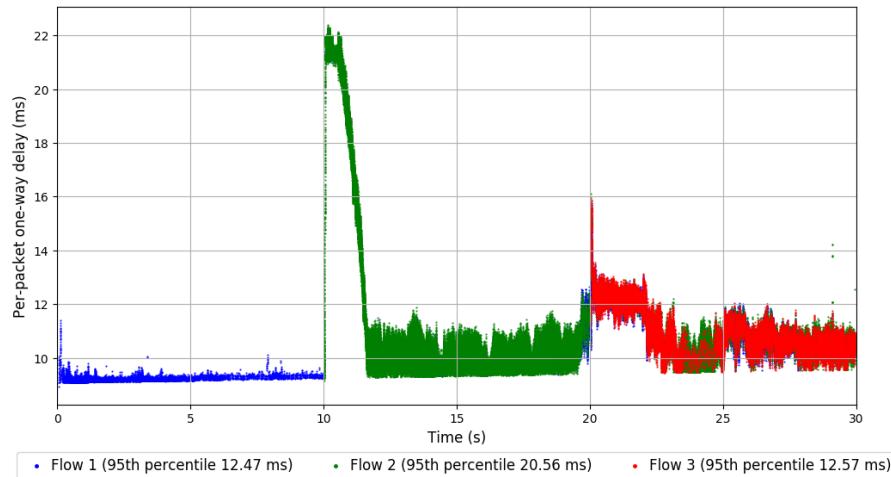
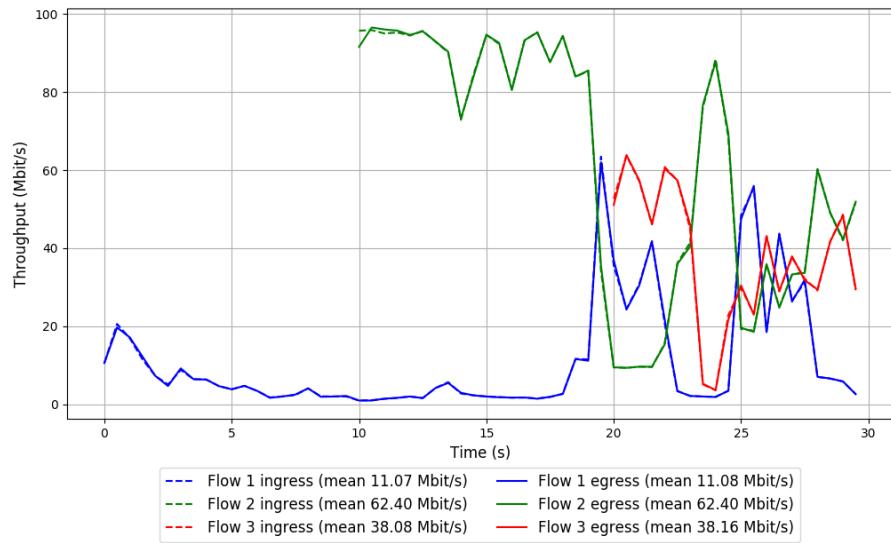


Run 2: Statistics of TCP Vegas

```
Start at: 2018-02-28 00:21:05
End at: 2018-02-28 00:21:35
Local clock offset: 1.061 ms
Remote clock offset: -12.783 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 17.558 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 12.474 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 20.557 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 12.572 ms
Loss rate: 0.07%
```

## Run 2: Report of TCP Vegas — Data Link

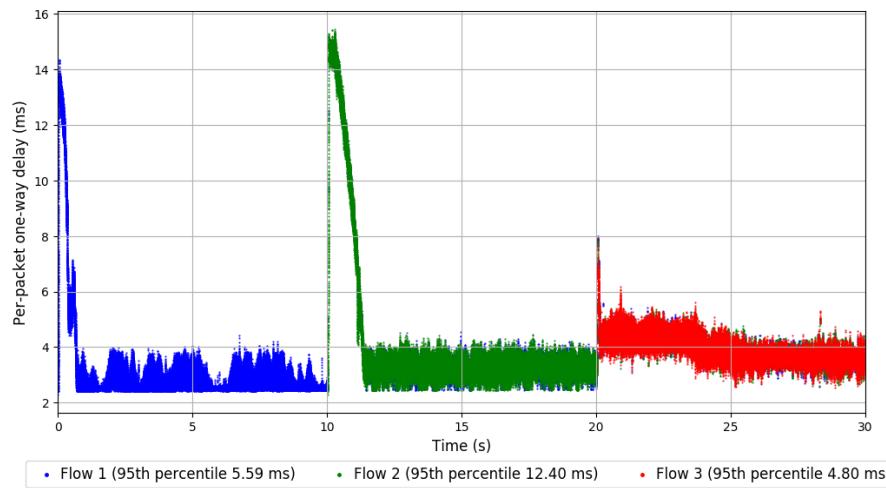
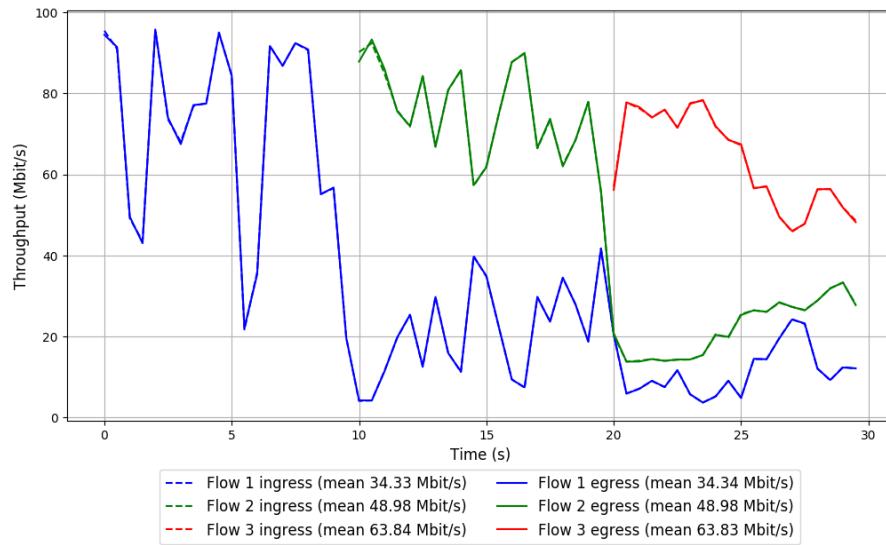


Run 3: Statistics of TCP Vegas

```
Start at: 2018-02-28 00:41:32
End at: 2018-02-28 00:42:02
Local clock offset: -8.097 ms
Remote clock offset: -6.042 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 7.452 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 5.590 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 12.398 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 63.83 Mbit/s
95th percentile per-packet one-way delay: 4.799 ms
Loss rate: 0.05%
```

### Run 3: Report of TCP Vegas — Data Link

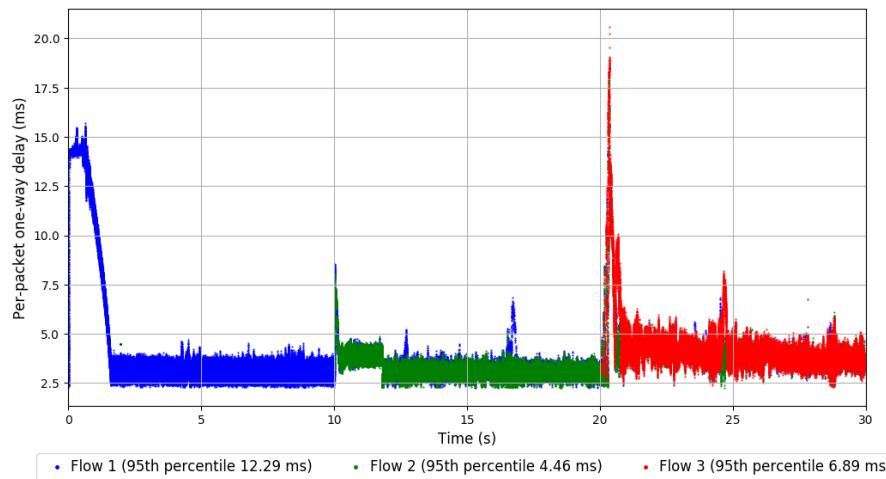
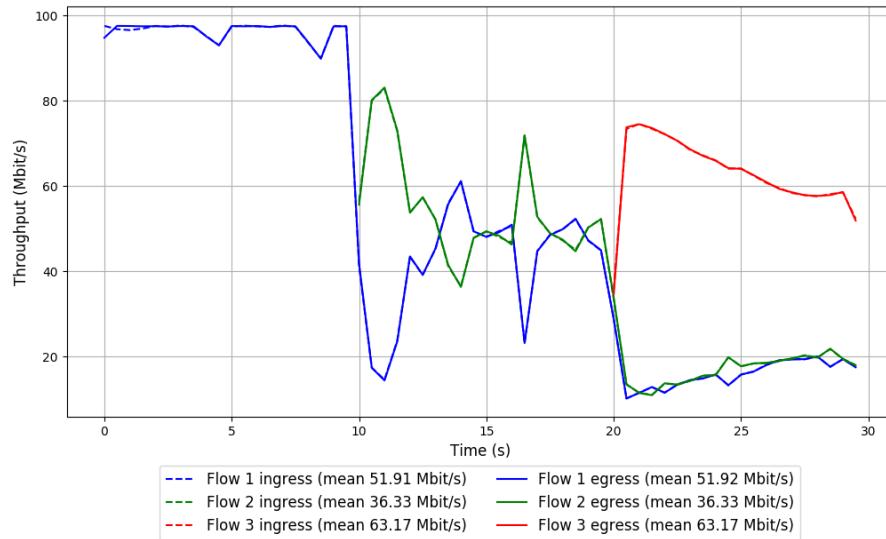


Run 4: Statistics of TCP Vegas

```
Start at: 2018-02-28 01:02:04
End at: 2018-02-28 01:02:34
Local clock offset: -8.558 ms
Remote clock offset: -7.603 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 8.321 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 12.291 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 4.456 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 63.17 Mbit/s
95th percentile per-packet one-way delay: 6.886 ms
Loss rate: 0.07%
```

### Run 4: Report of TCP Vegas — Data Link

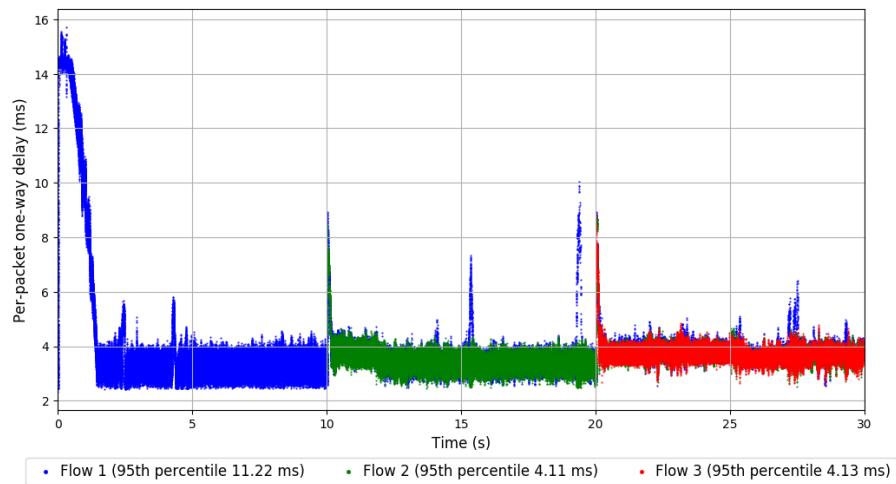
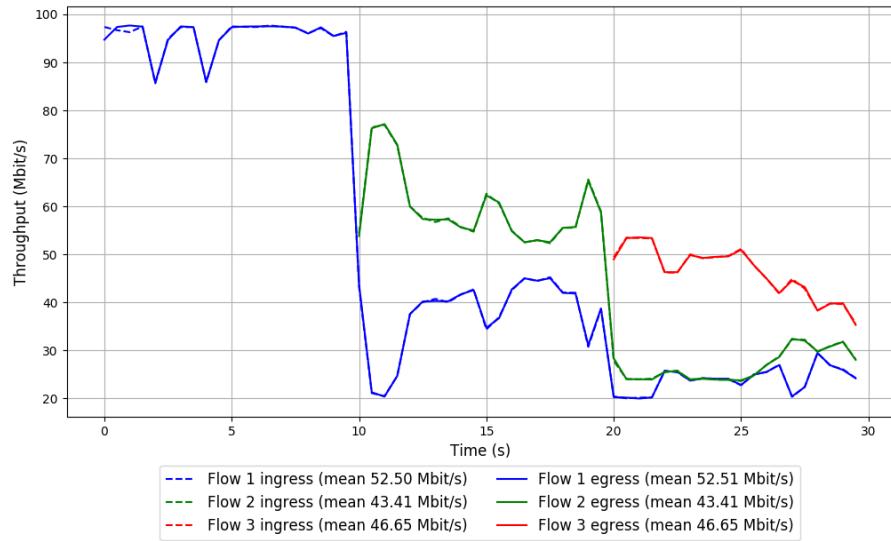


Run 5: Statistics of TCP Vegas

```
Start at: 2018-02-28 01:22:30
End at: 2018-02-28 01:23:00
Local clock offset: -8.228 ms
Remote clock offset: -8.042 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 5.601 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 11.225 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 4.109 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 4.126 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 01:42:54

End at: 2018-02-28 01:43:24

Local clock offset: -3.895 ms

Remote clock offset: -6.372 ms

Run 6: Report of TCP Vegas — Data Link

Figure is missing

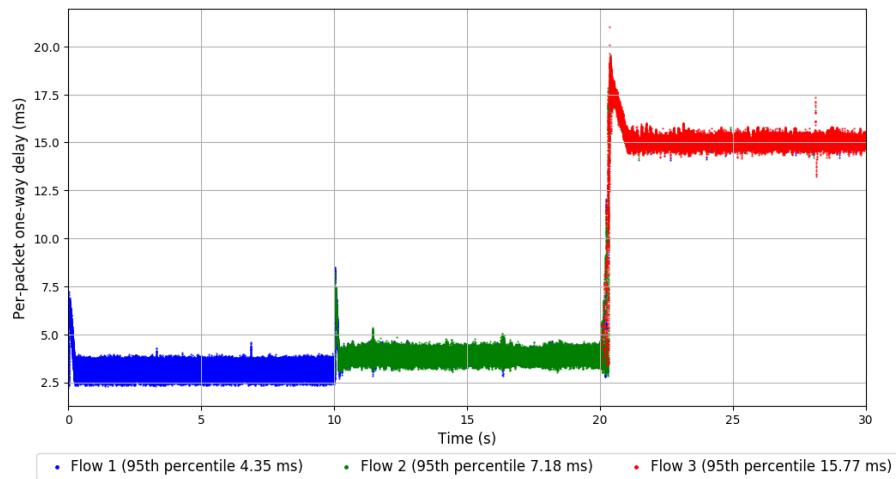
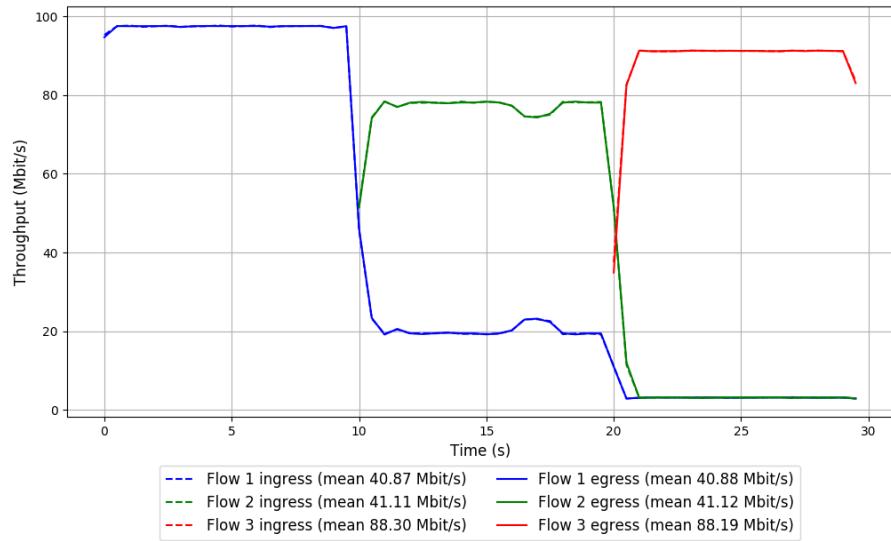
Figure is missing

Run 7: Statistics of TCP Vegas

```
Start at: 2018-02-28 02:03:18
End at: 2018-02-28 02:03:48
Local clock offset: -2.271 ms
Remote clock offset: -6.201 ms

# Below is generated by plot.py at 2018-02-28 07:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 15.362 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 4.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 7.180 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 15.768 ms
Loss rate: 0.18%
```

### Run 7: Report of TCP Vegas — Data Link

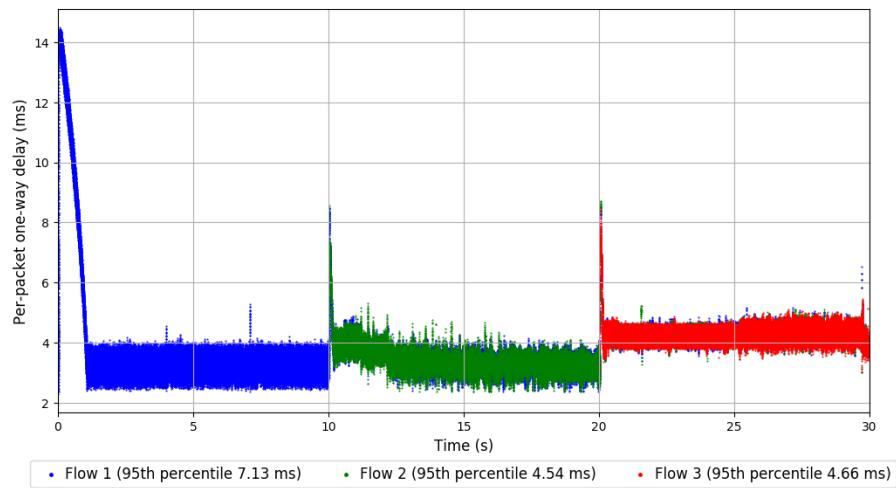
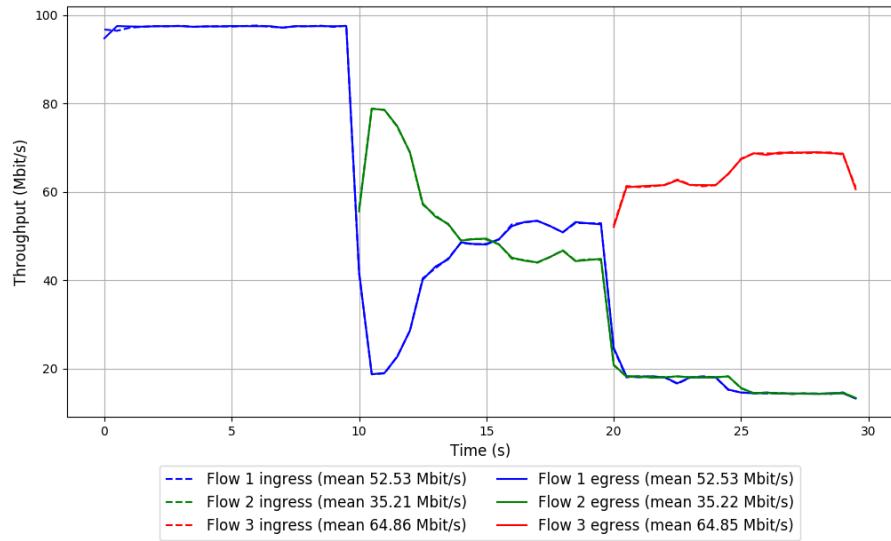


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-28 02:23:42
End at: 2018-02-28 02:24:12
Local clock offset: -3.604 ms
Remote clock offset: -6.263 ms

# Below is generated by plot.py at 2018-02-28 07:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.707 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.53 Mbit/s
95th percentile per-packet one-way delay: 7.133 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 4.659 ms
Loss rate: 0.07%
```

### Run 8: Report of TCP Vegas — Data Link

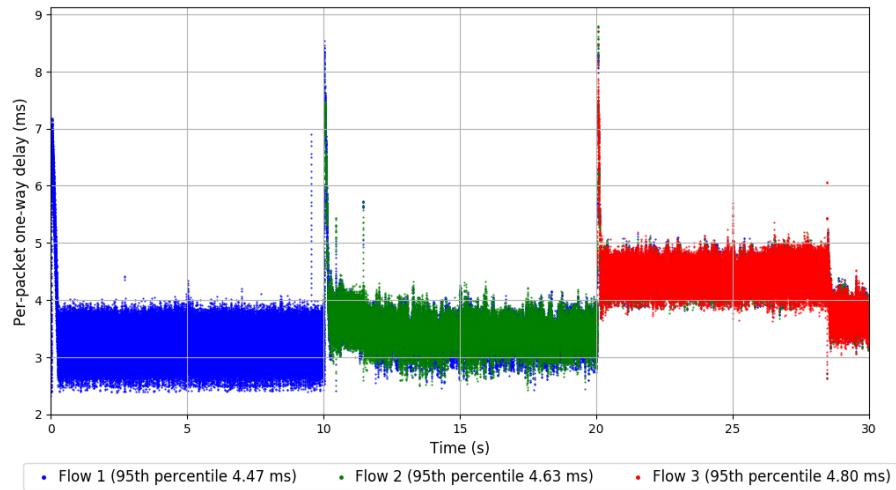
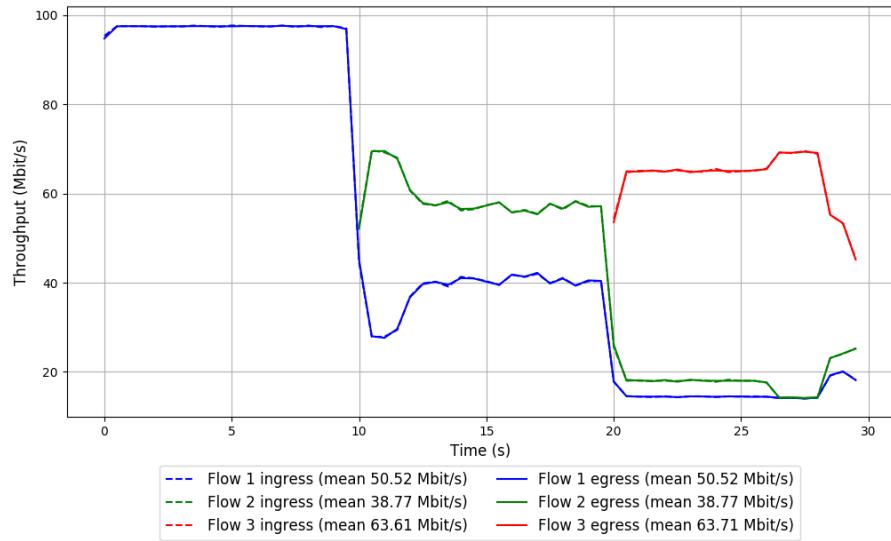


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-28 02:44:07
End at: 2018-02-28 02:44:37
Local clock offset: -4.837 ms
Remote clock offset: -7.018 ms

# Below is generated by plot.py at 2018-02-28 07:03:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 4.700 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 4.469 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 4.628 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 4.802 ms
Loss rate: 0.04%
```

Run 9: Report of TCP Vegas — Data Link

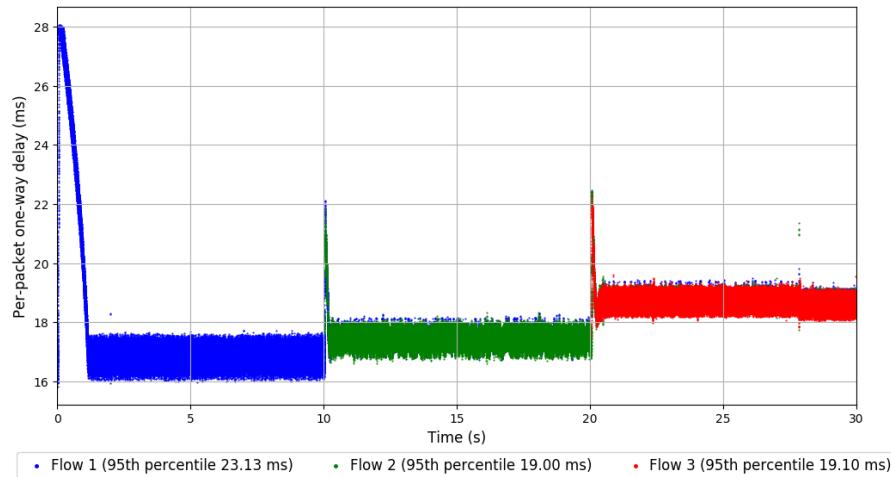
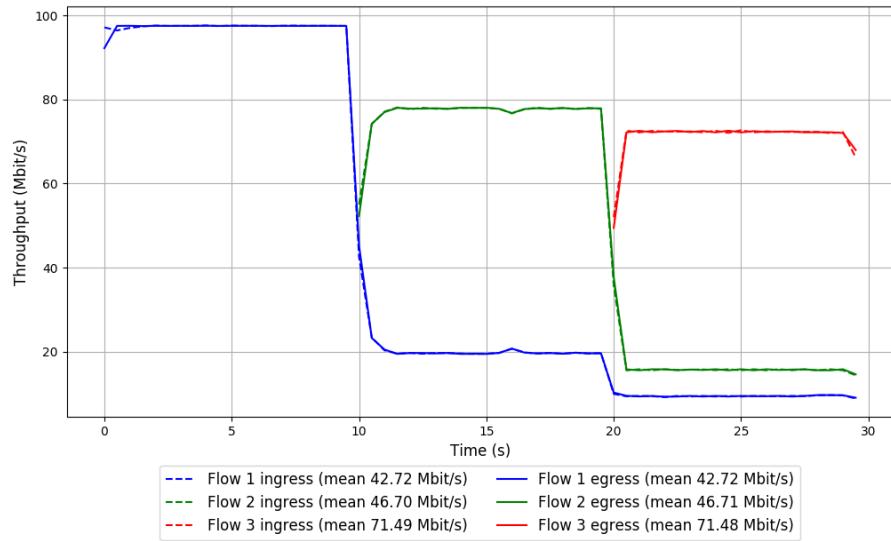


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-28 03:04:33
End at: 2018-02-28 03:05:03
Local clock offset: -6.377 ms
Remote clock offset: -20.88 ms

# Below is generated by plot.py at 2018-02-28 07:04:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 42.72 Mbit/s
95th percentile per-packet one-way delay: 23.131 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 71.48 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.08%
```

Run 10: Report of TCP Vegas — Data Link

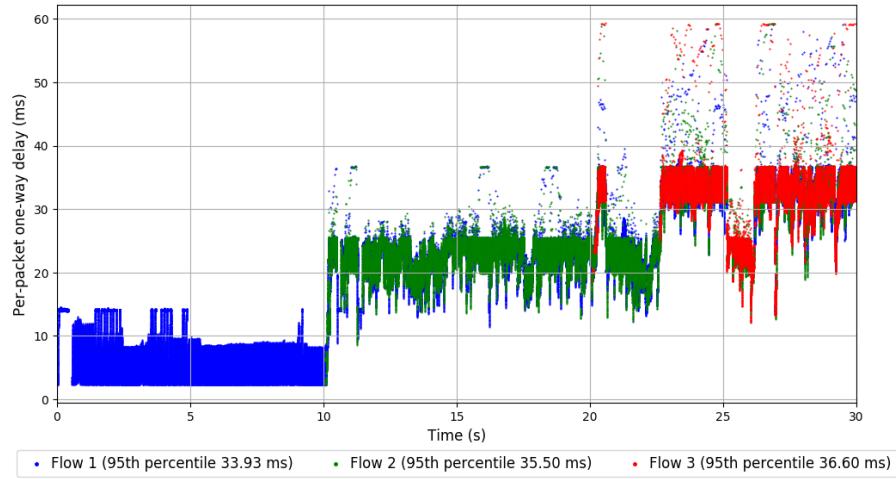
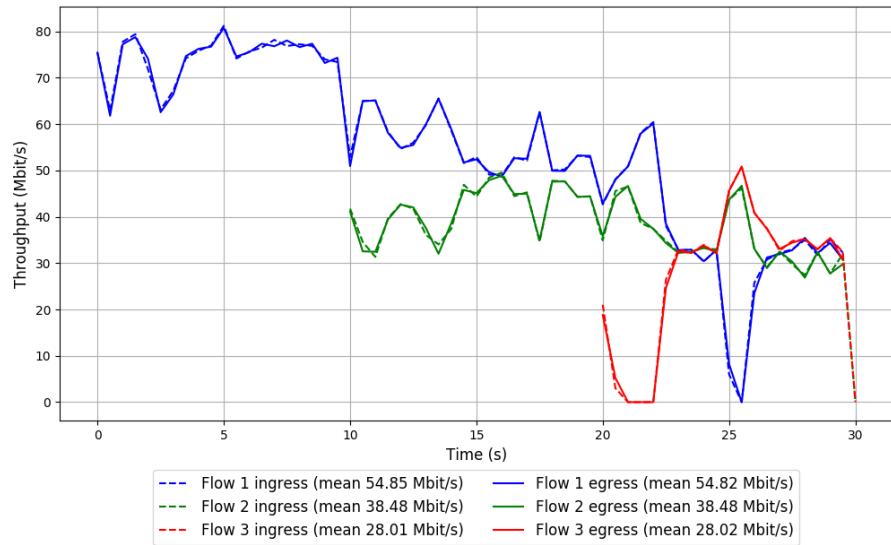


Run 1: Statistics of Verus

```
Start at: 2018-02-28 00:16:31
End at: 2018-02-28 00:17:01
Local clock offset: 0.773 ms
Remote clock offset: -6.325 ms

# Below is generated by plot.py at 2018-02-28 07:04:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 35.338 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 54.82 Mbit/s
95th percentile per-packet one-way delay: 33.933 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 35.504 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 36.597 ms
Loss rate: 0.69%
```

## Run 1: Report of Verus — Data Link

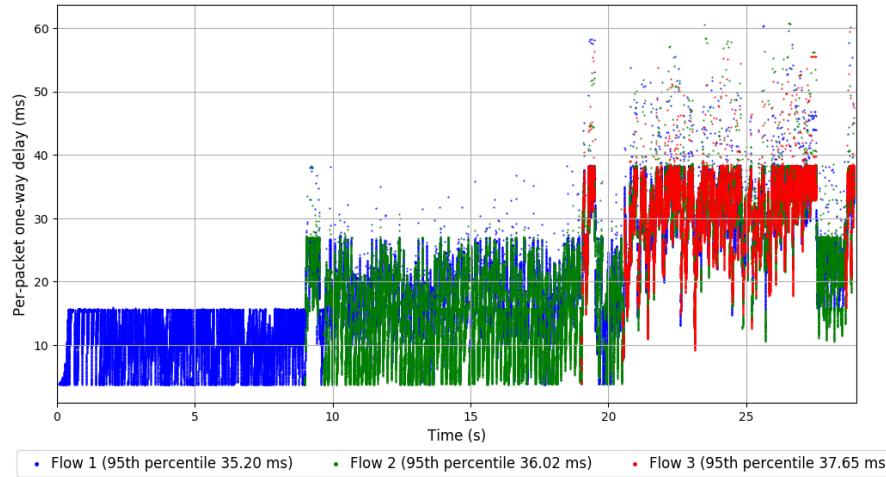
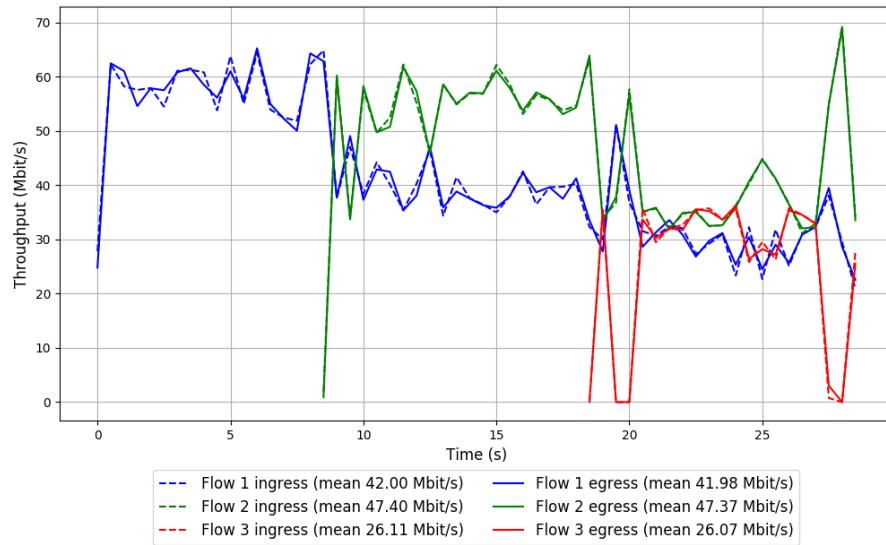


Run 2: Statistics of Verus

```
Start at: 2018-02-28 00:37:01
End at: 2018-02-28 00:37:31
Local clock offset: -7.162 ms
Remote clock offset: -7.392 ms

# Below is generated by plot.py at 2018-02-28 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 36.178 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 35.202 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 36.019 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 37.649 ms
Loss rate: 0.43%
```

## Run 2: Report of Verus — Data Link

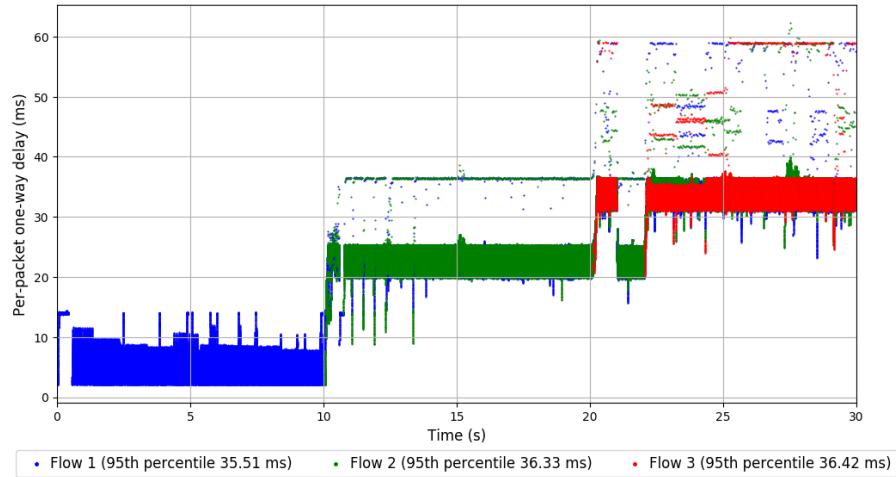
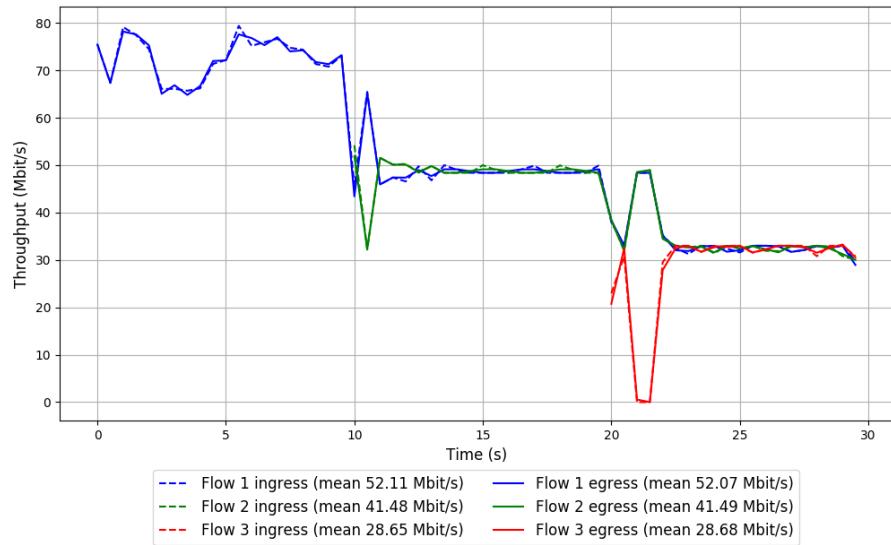


Run 3: Statistics of Verus

```
Start at: 2018-02-28 00:57:33
End at: 2018-02-28 00:58:03
Local clock offset: -9.414 ms
Remote clock offset: -7.306 ms

# Below is generated by plot.py at 2018-02-28 07:04:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.16 Mbit/s
95th percentile per-packet one-way delay: 36.302 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 35.510 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 41.49 Mbit/s
95th percentile per-packet one-way delay: 36.327 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 36.416 ms
Loss rate: 0.39%
```

Run 3: Report of Verus — Data Link

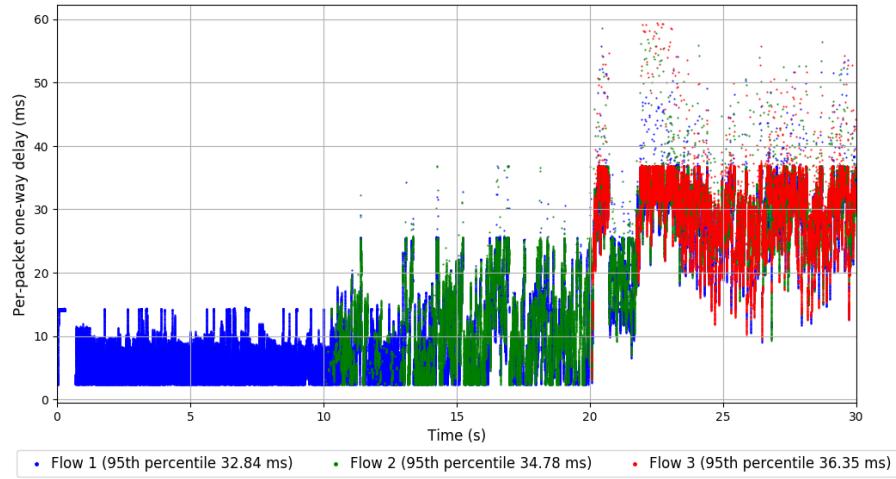
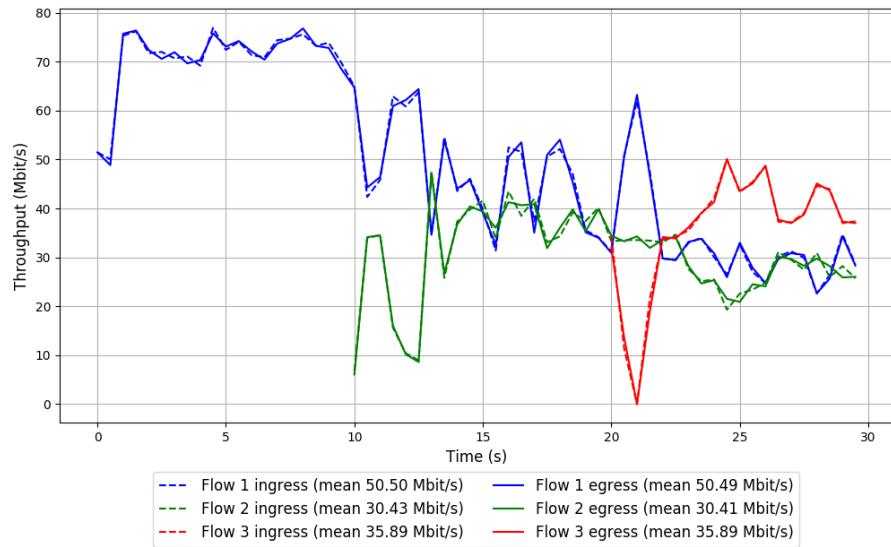


Run 4: Statistics of Verus

```
Start at: 2018-02-28 01:18:00
End at: 2018-02-28 01:18:30
Local clock offset: -8.118 ms
Remote clock offset: -8.183 ms

# Below is generated by plot.py at 2018-02-28 07:04:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 34.508 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 32.842 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 34.780 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 36.346 ms
Loss rate: 0.36%
```

Run 4: Report of Verus — Data Link

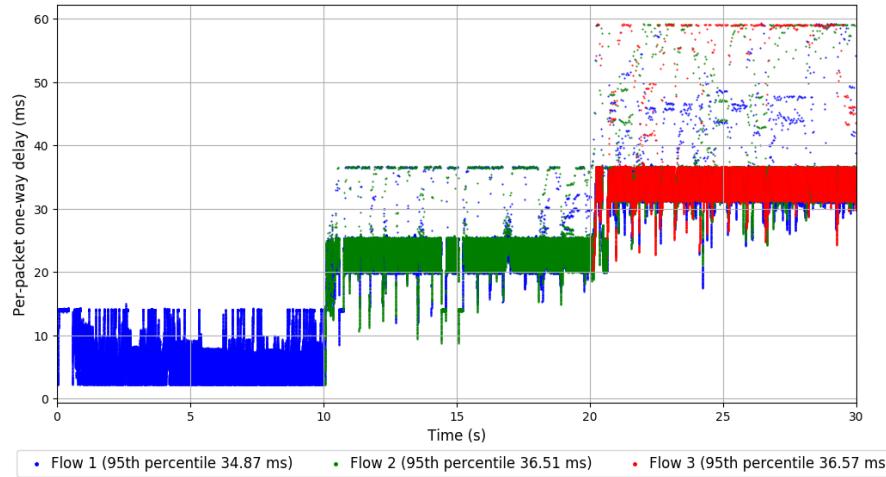
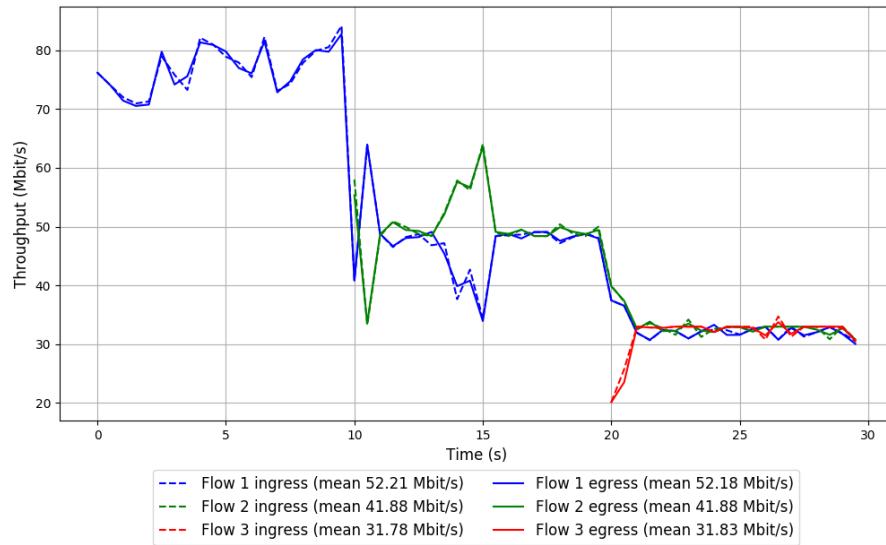


Run 5: Statistics of Verus

```
Start at: 2018-02-28 01:38:25
End at: 2018-02-28 01:38:55
Local clock offset: -4.786 ms
Remote clock offset: -6.5 ms

# Below is generated by plot.py at 2018-02-28 07:05:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 36.451 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 34.872 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.88 Mbit/s
95th percentile per-packet one-way delay: 36.514 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 36.568 ms
Loss rate: 0.35%
```

Run 5: Report of Verus — Data Link

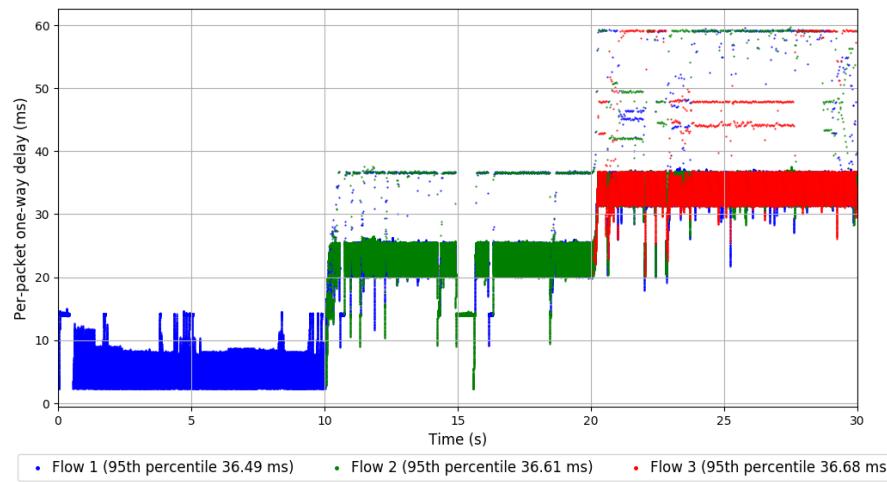
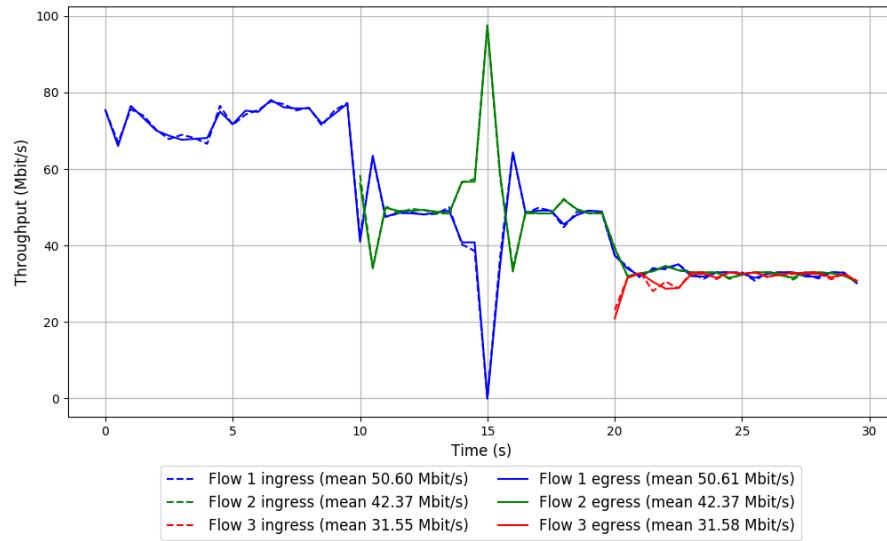


Run 6: Statistics of Verus

```
Start at: 2018-02-28 01:58:47
End at: 2018-02-28 01:59:17
Local clock offset: -2.524 ms
Remote clock offset: -6.253 ms

# Below is generated by plot.py at 2018-02-28 07:05:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 36.602 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 36.489 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.37 Mbit/s
95th percentile per-packet one-way delay: 36.612 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 36.681 ms
Loss rate: 0.36%
```

## Run 6: Report of Verus — Data Link

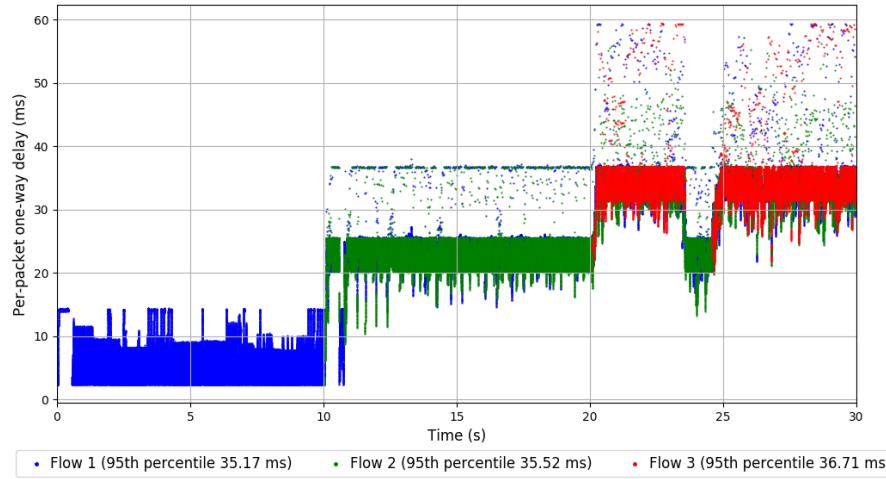
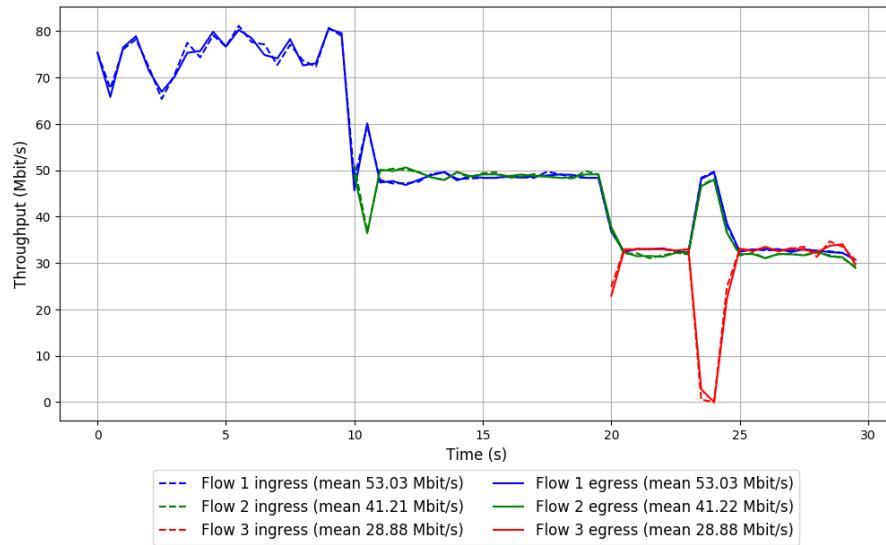


Run 7: Statistics of Verus

```
Start at: 2018-02-28 02:19:12
End at: 2018-02-28 02:19:42
Local clock offset: -3.505 ms
Remote clock offset: -6.247 ms

# Below is generated by plot.py at 2018-02-28 07:05:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 36.060 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 35.173 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 35.515 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 36.706 ms
Loss rate: 0.54%
```

## Run 7: Report of Verus — Data Link

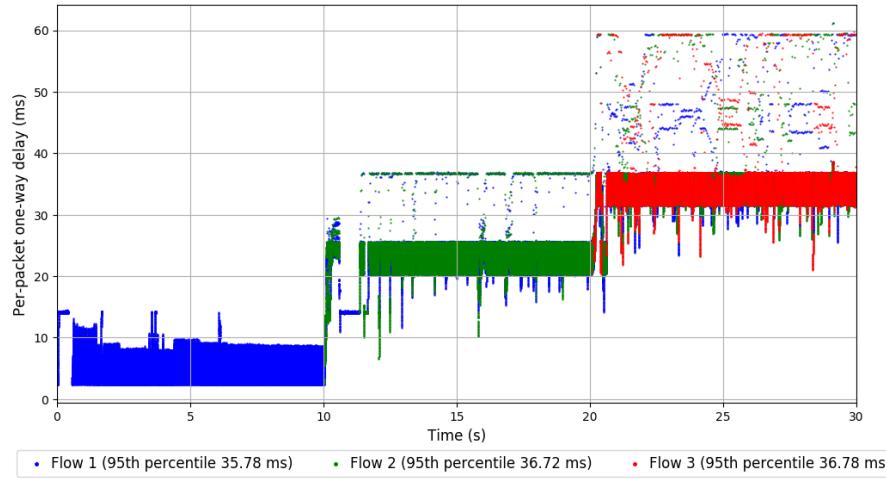
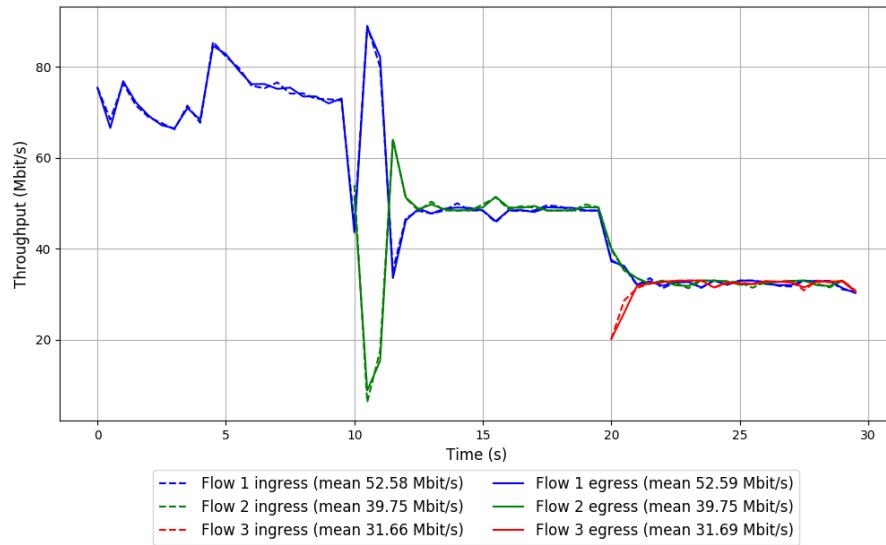


Run 8: Statistics of Verus

```
Start at: 2018-02-28 02:39:38
End at: 2018-02-28 02:40:08
Local clock offset: -4.169 ms
Remote clock offset: -6.888 ms

# Below is generated by plot.py at 2018-02-28 07:05:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.50 Mbit/s
95th percentile per-packet one-way delay: 36.689 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 35.781 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 36.718 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 36.782 ms
Loss rate: 0.40%
```

Run 8: Report of Verus — Data Link

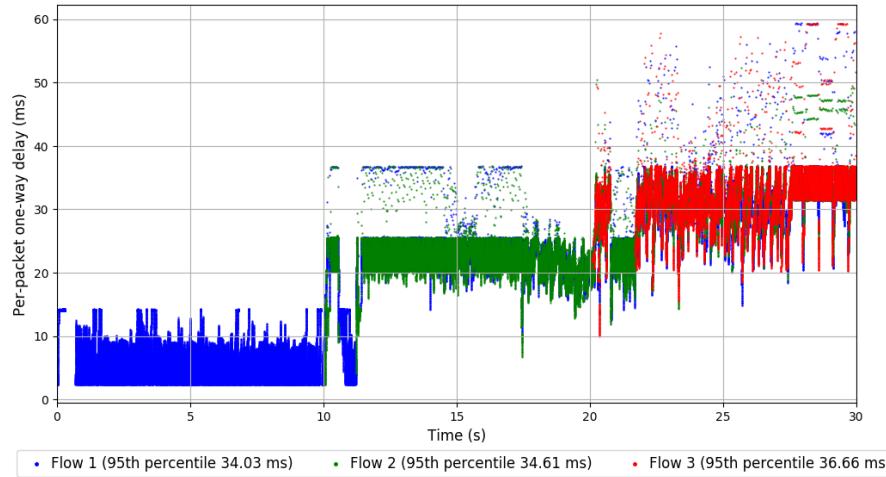
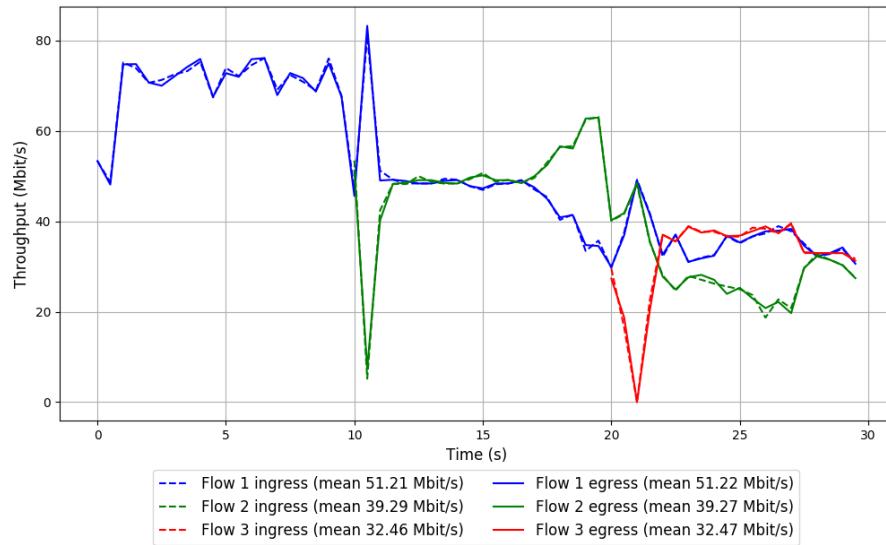


Run 9: Statistics of Verus

```
Start at: 2018-02-28 03:00:04
End at: 2018-02-28 03:00:34
Local clock offset: -6.161 ms
Remote clock offset: -7.312 ms

# Below is generated by plot.py at 2018-02-28 07:05:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 35.114 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 34.026 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 34.606 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 36.665 ms
Loss rate: 0.41%
```

## Run 9: Report of Verus — Data Link

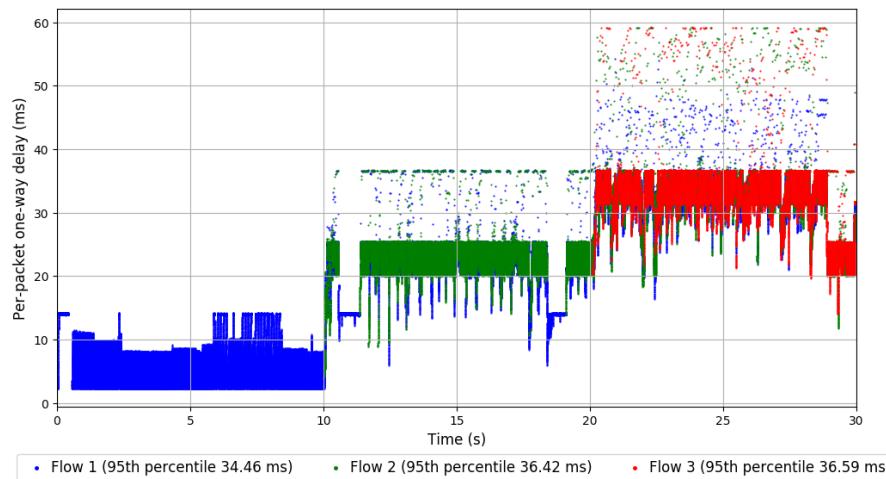
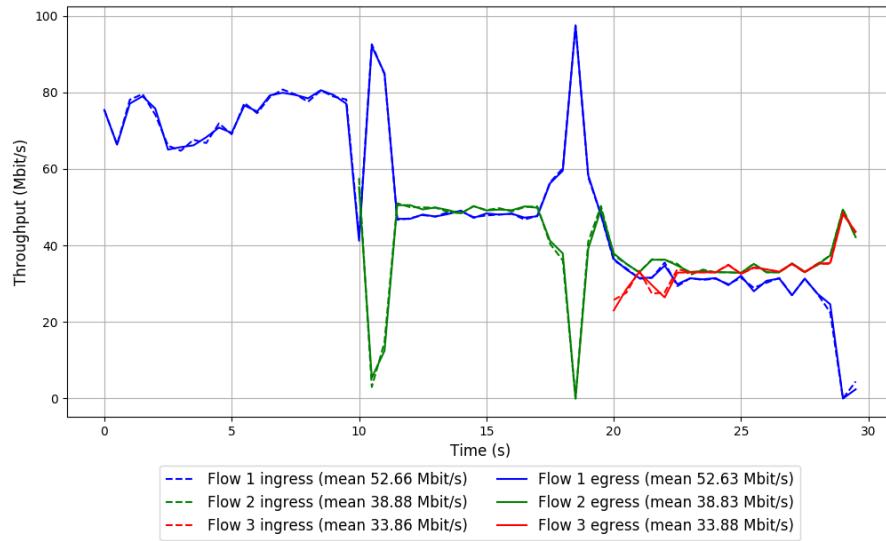


Run 10: Statistics of Verus

```
Start at: 2018-02-28 03:20:30
End at: 2018-02-28 03:21:00
Local clock offset: -4.858 ms
Remote clock offset: -6.94 ms

# Below is generated by plot.py at 2018-02-28 07:05:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 36.067 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 34.459 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 36.416 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 36.589 ms
Loss rate: 0.33%
```

Run 10: Report of Verus — Data Link

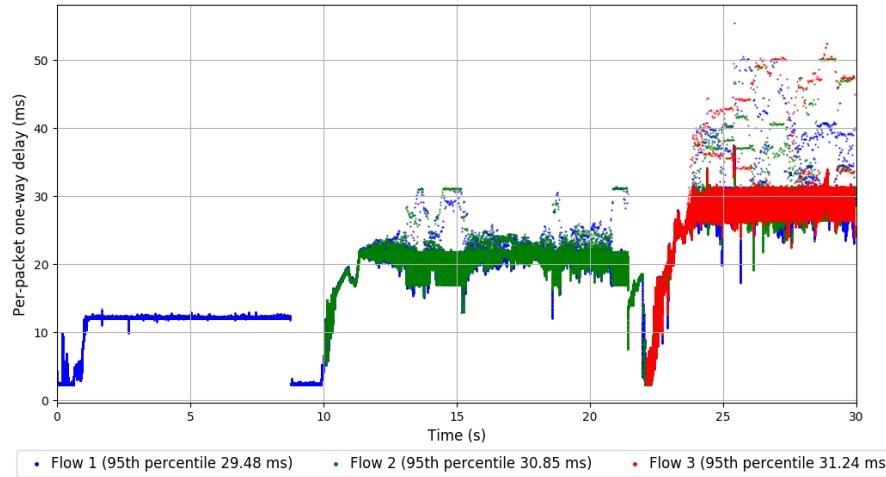
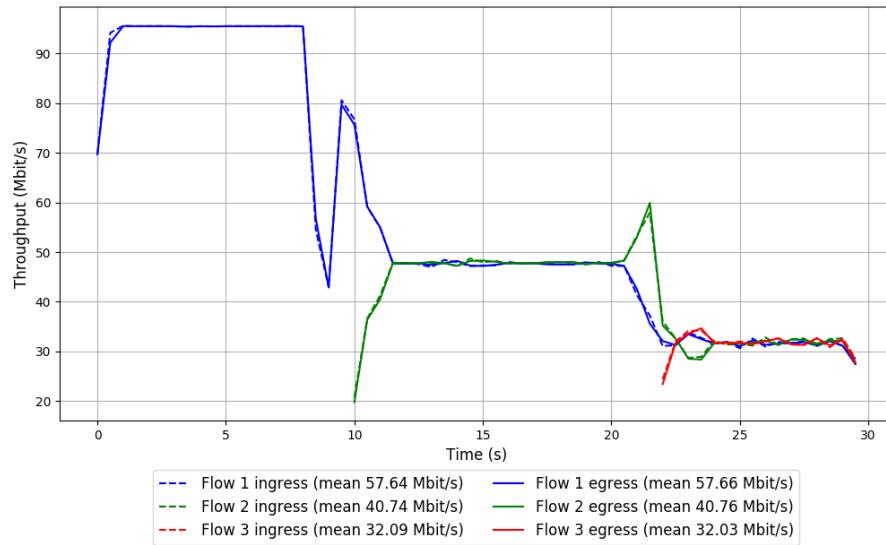


Run 1: Statistics of Copa

```
Start at: 2018-02-28 00:01:29
End at: 2018-02-28 00:01:59
Local clock offset: -0.053 ms
Remote clock offset: -6.544 ms

# Below is generated by plot.py at 2018-02-28 07:07:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 30.674 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.66 Mbit/s
95th percentile per-packet one-way delay: 29.477 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 31.244 ms
Loss rate: 0.53%
```

## Run 1: Report of Copa — Data Link

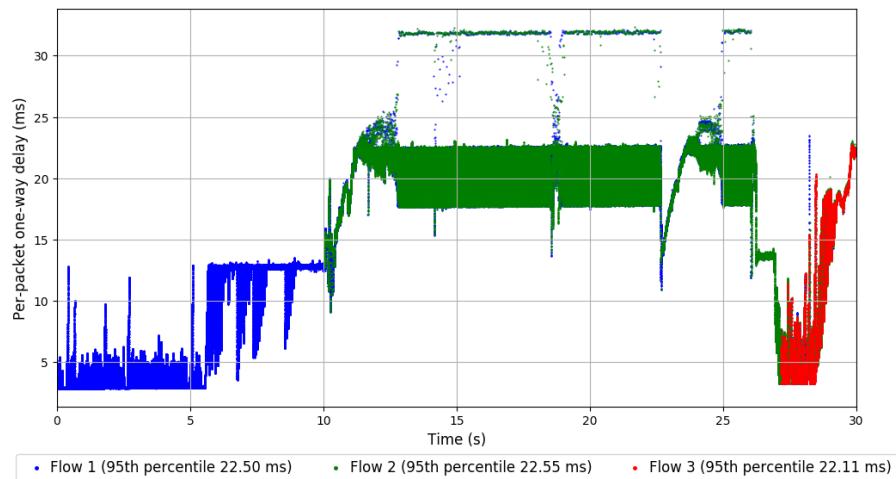
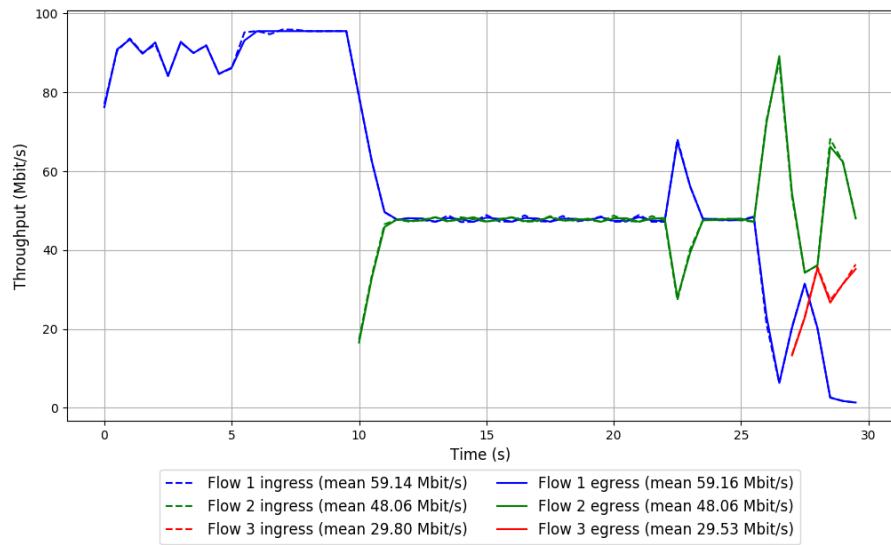


Run 2: Statistics of Copa

```
Start at: 2018-02-28 00:22:13
End at: 2018-02-28 00:22:43
Local clock offset: 0.083 ms
Remote clock offset: -6.462 ms

# Below is generated by plot.py at 2018-02-28 07:07:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 22.517 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 22.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 22.546 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 22.114 ms
Loss rate: 1.39%
```

Run 2: Report of Copa — Data Link

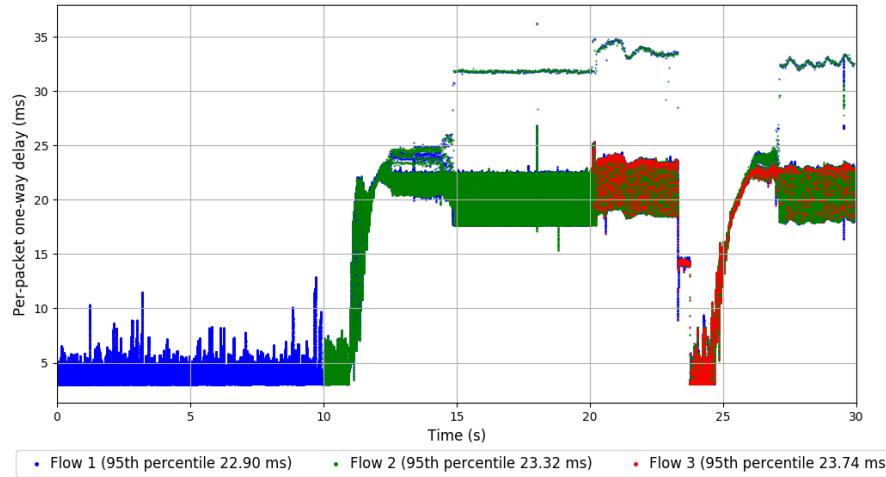
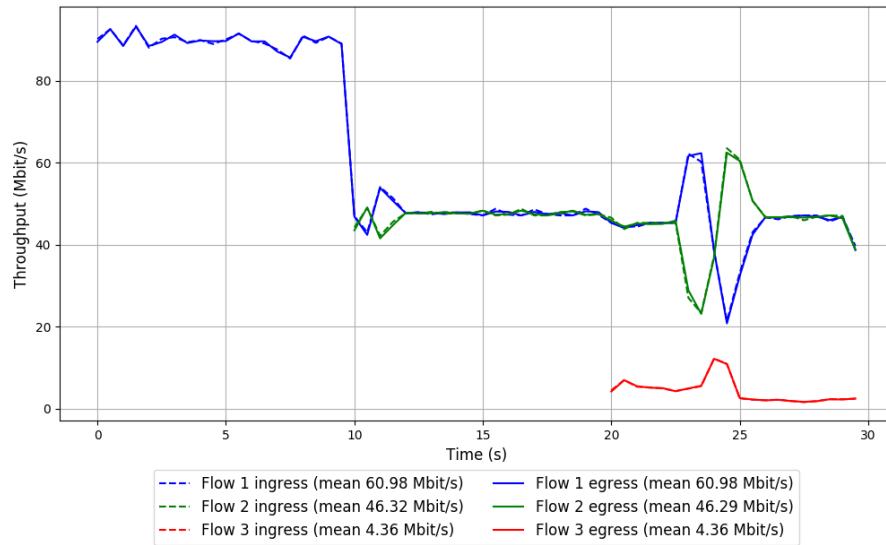


Run 3: Statistics of Copa

```
Start at: 2018-02-28 00:42:40
End at: 2018-02-28 00:43:10
Local clock offset: -8.299 ms
Remote clock offset: -6.632 ms

# Below is generated by plot.py at 2018-02-28 07:07:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 23.117 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 22.903 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 23.321 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 23.743 ms
Loss rate: 0.15%
```

### Run 3: Report of Copa — Data Link

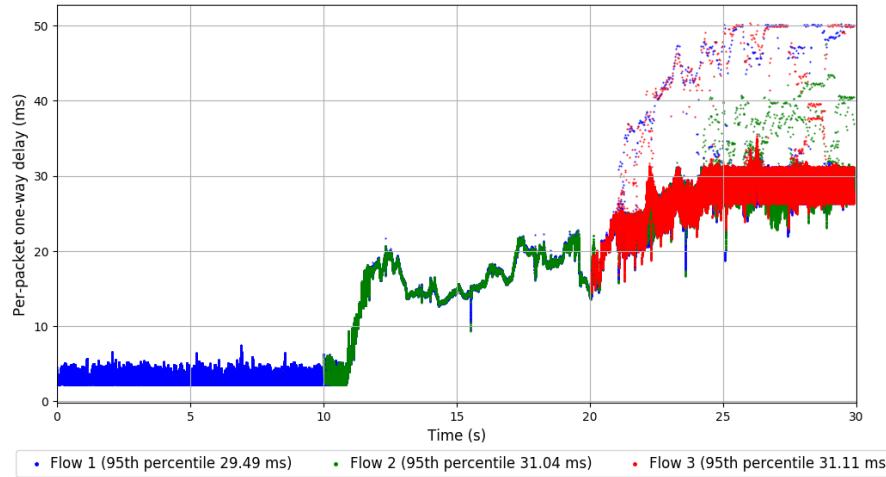
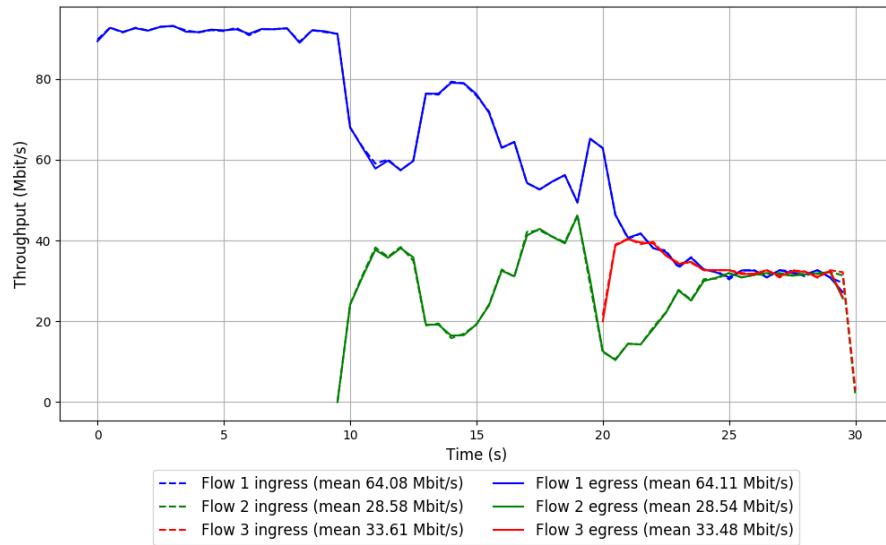


Run 4: Statistics of Copa

```
Start at: 2018-02-28 01:03:13
End at: 2018-02-28 01:03:43
Local clock offset: -8.535 ms
Remote clock offset: -7.721 ms

# Below is generated by plot.py at 2018-02-28 07:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 30.918 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 29.486 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 31.035 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 31.108 ms
Loss rate: 1.63%
```

Run 4: Report of Copa — Data Link

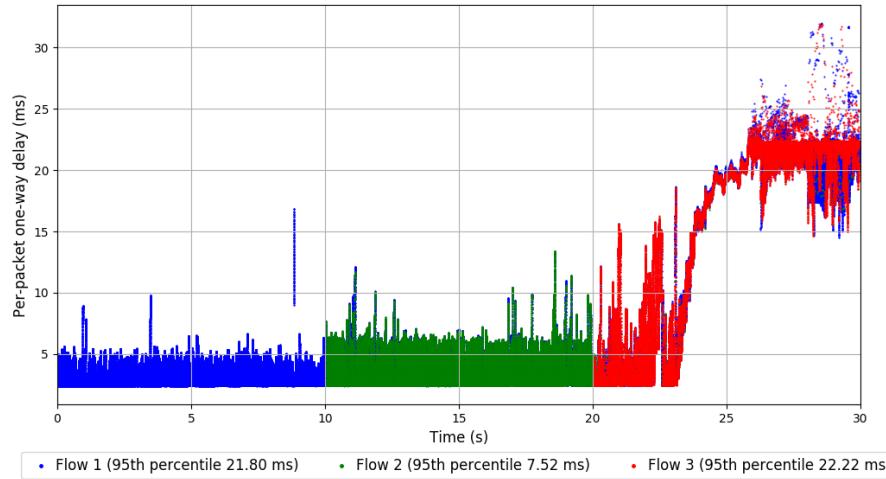
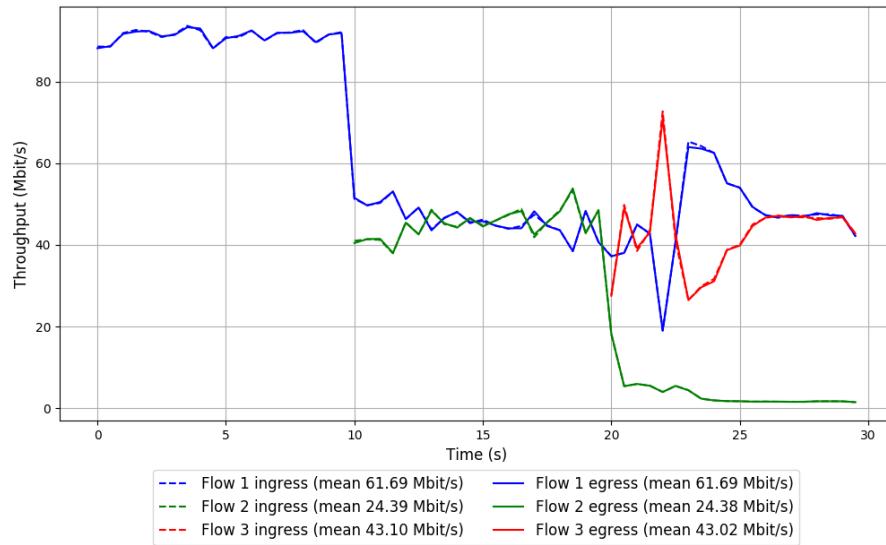


Run 5: Statistics of Copa

```
Start at: 2018-02-28 01:23:38
End at: 2018-02-28 01:24:08
Local clock offset: -8.291 ms
Remote clock offset: -7.797 ms

# Below is generated by plot.py at 2018-02-28 07:07:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 22.035 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 21.797 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 7.521 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 22.217 ms
Loss rate: 0.27%
```

## Run 5: Report of Copa — Data Link

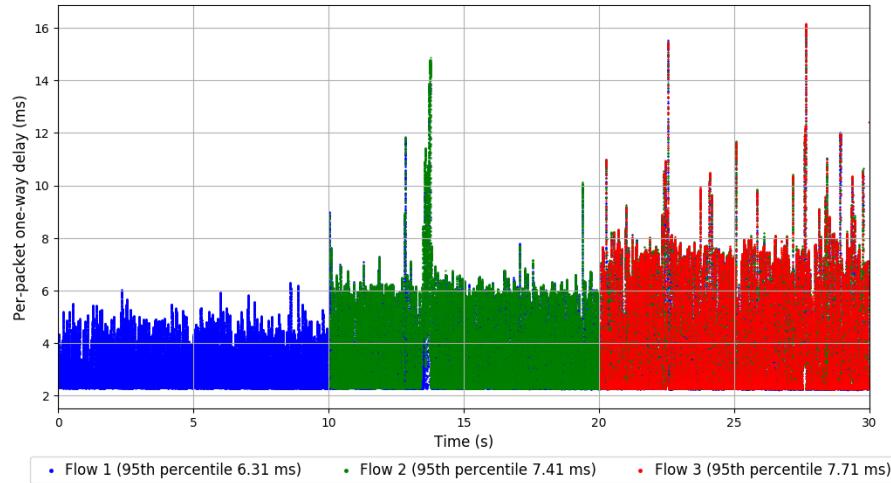
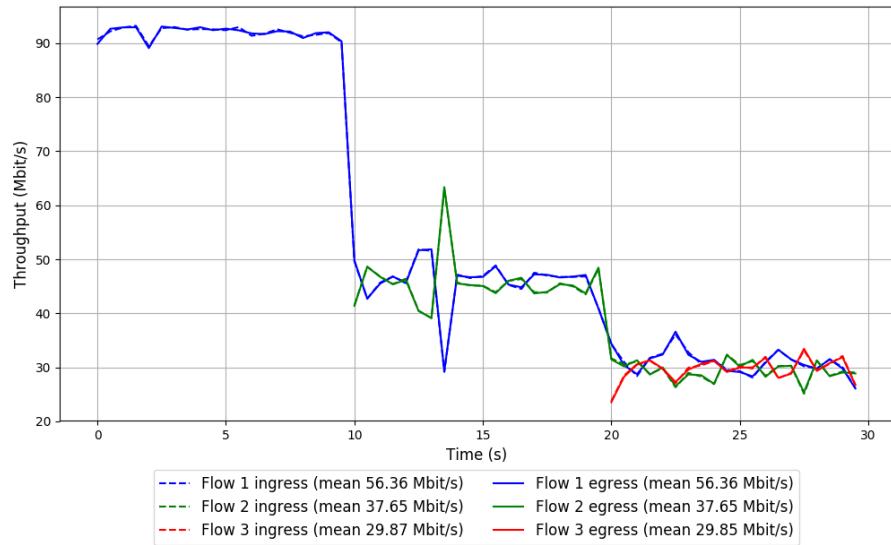


Run 6: Statistics of Copa

```
Start at: 2018-02-28 01:44:01
End at: 2018-02-28 01:44:31
Local clock offset: -3.752 ms
Remote clock offset: -6.345 ms

# Below is generated by plot.py at 2018-02-28 07:08:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 7.036 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.36 Mbit/s
95th percentile per-packet one-way delay: 6.312 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 7.410 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 7.708 ms
Loss rate: 0.07%
```

Run 6: Report of Copa — Data Link

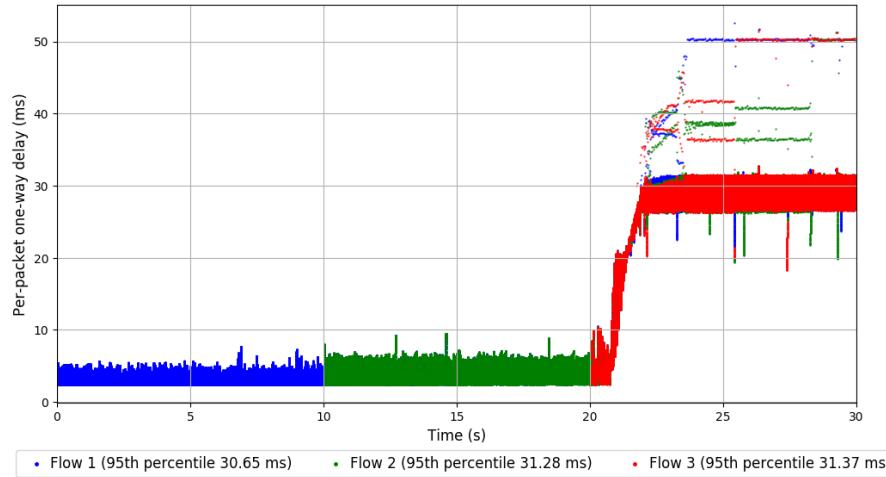
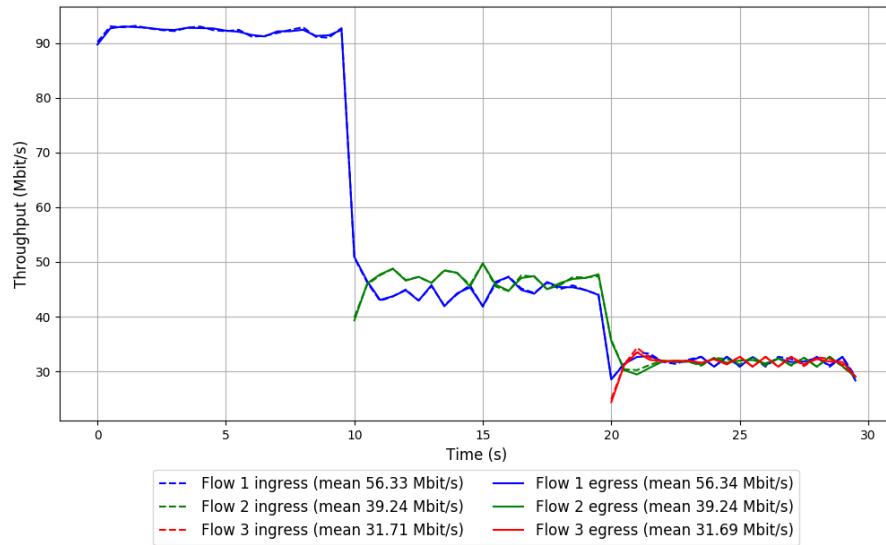


Run 7: Statistics of Copa

```
Start at: 2018-02-28 02:04:27
End at: 2018-02-28 02:04:57
Local clock offset: -2.367 ms
Remote clock offset: -6.218 ms

# Below is generated by plot.py at 2018-02-28 07:08:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 31.259 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 30.646 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.24 Mbit/s
95th percentile per-packet one-way delay: 31.283 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 31.368 ms
Loss rate: 0.29%
```

## Run 7: Report of Copa — Data Link

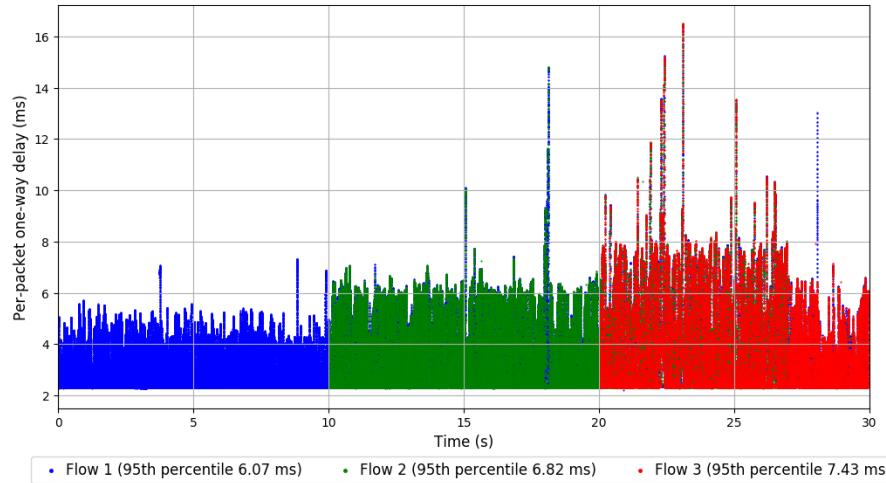
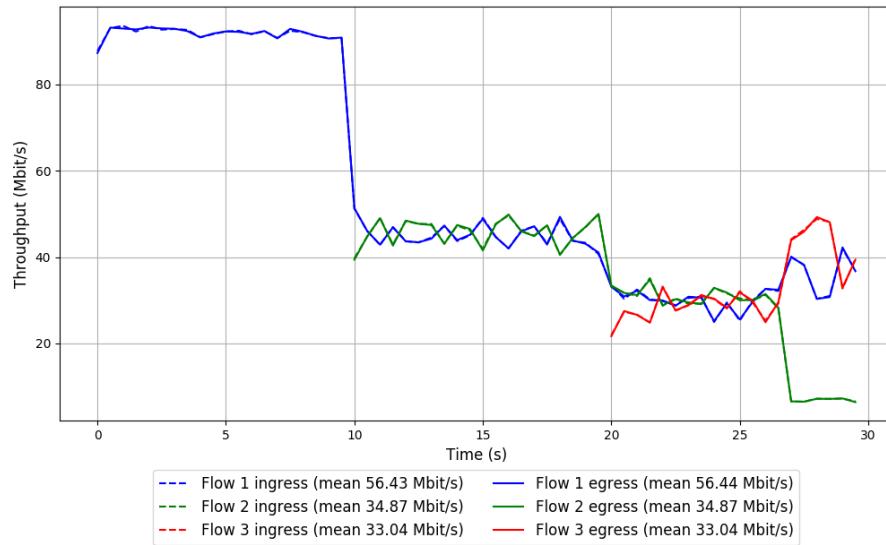


Run 8: Statistics of Copa

```
Start at: 2018-02-28 02:24:51
End at: 2018-02-28 02:25:21
Local clock offset: -3.621 ms
Remote clock offset: -6.206 ms

# Below is generated by plot.py at 2018-02-28 07:08:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 6.481 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 6.067 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 6.815 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 7.431 ms
Loss rate: 0.05%
```

Run 8: Report of Copa — Data Link

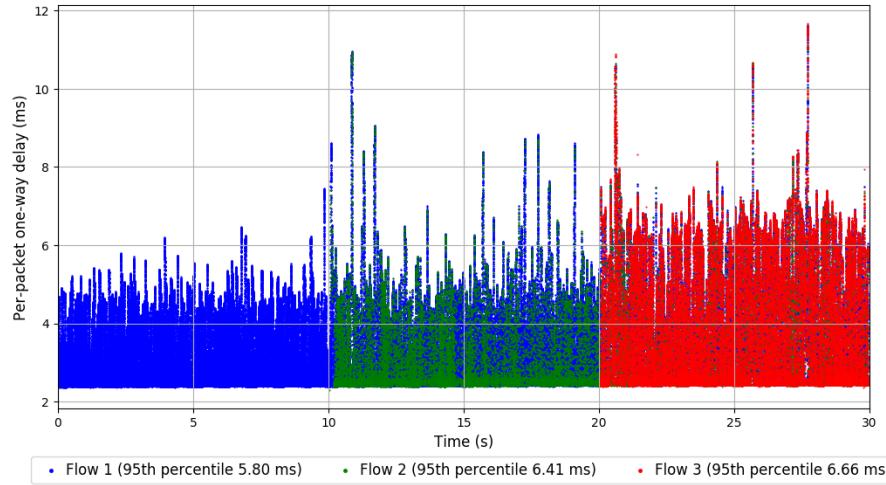
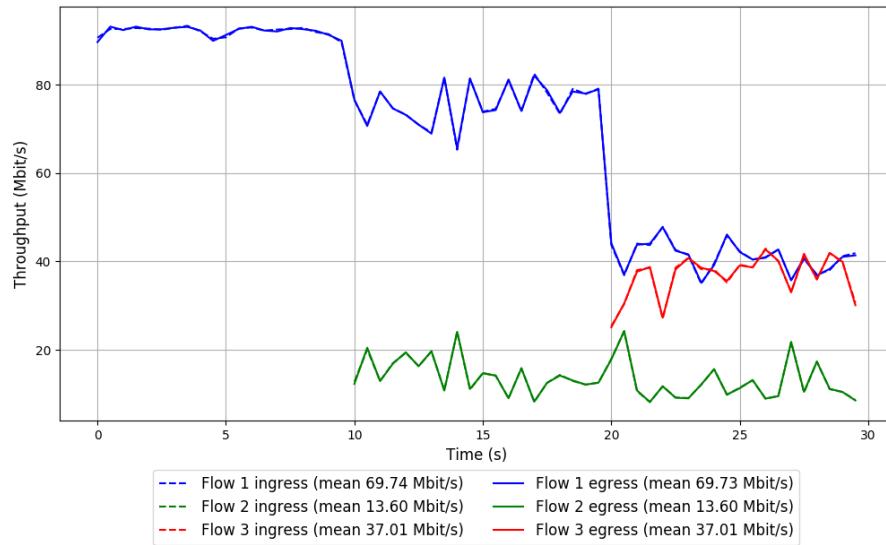


Run 9: Statistics of Copa

```
Start at: 2018-02-28 02:45:16
End at: 2018-02-28 02:45:46
Local clock offset: -4.992 ms
Remote clock offset: -7.057 ms

# Below is generated by plot.py at 2018-02-28 07:09:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 6.155 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 5.803 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 6.411 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 6.664 ms
Loss rate: 0.10%
```

### Run 9: Report of Copa — Data Link

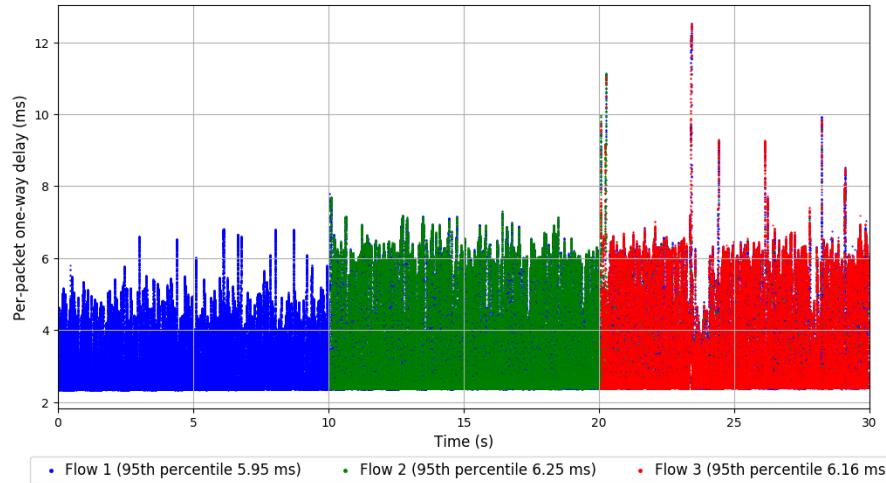
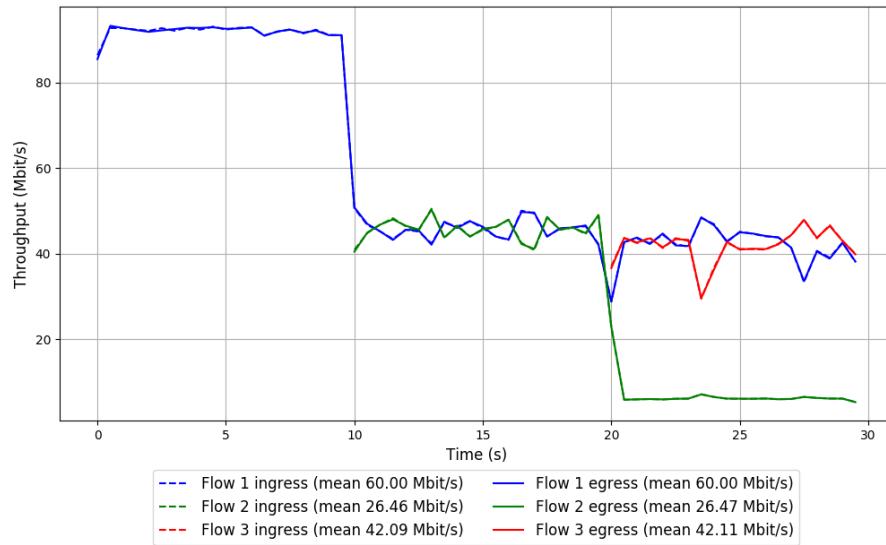


Run 10: Statistics of Copa

```
Start at: 2018-02-28 03:05:41
End at: 2018-02-28 03:06:11
Local clock offset: -6.456 ms
Remote clock offset: -7.246 ms

# Below is generated by plot.py at 2018-02-28 07:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.55 Mbit/s
95th percentile per-packet one-way delay: 6.063 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 5.945 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 6.250 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 6.159 ms
Loss rate: 0.06%
```

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-27 23:59:15  
End at: 2018-02-27 23:59:45  
Local clock offset: -0.224 ms  
Remote clock offset: -26.926 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-02-28 00:19:58  
End at: 2018-02-28 00:20:28  
Local clock offset: 0.934 ms  
Remote clock offset: -6.383 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-02-28 00:40:25  
End at: 2018-02-28 00:40:55  
Local clock offset: -7.925 ms  
Remote clock offset: -6.084 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-02-28 01:00:58  
End at: 2018-02-28 01:01:28  
Local clock offset: -8.679 ms  
Remote clock offset: -7.536 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-02-28 01:21:23  
End at: 2018-02-28 01:21:53  
Local clock offset: -8.303 ms  
Remote clock offset: -8.237 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-02-28 01:41:48  
End at: 2018-02-28 01:42:18  
Local clock offset: -4.131 ms  
Remote clock offset: -6.316 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-02-28 02:02:12  
End at: 2018-02-28 02:02:42  
Local clock offset: -2.306 ms  
Remote clock offset: -6.291 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-02-28 02:22:36  
End at: 2018-02-28 02:23:06  
Local clock offset: -3.626 ms  
Remote clock offset: -6.227 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-02-28 02:43:01  
End at: 2018-02-28 02:43:31  
Local clock offset: -4.636 ms  
Remote clock offset: -6.994 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-02-28 03:03:27  
End at: 2018-02-28 03:03:57  
Local clock offset: -6.33 ms  
Remote clock offset: -25.037 ms

Run 10: Report of FillP — Data Link

Figure is missing

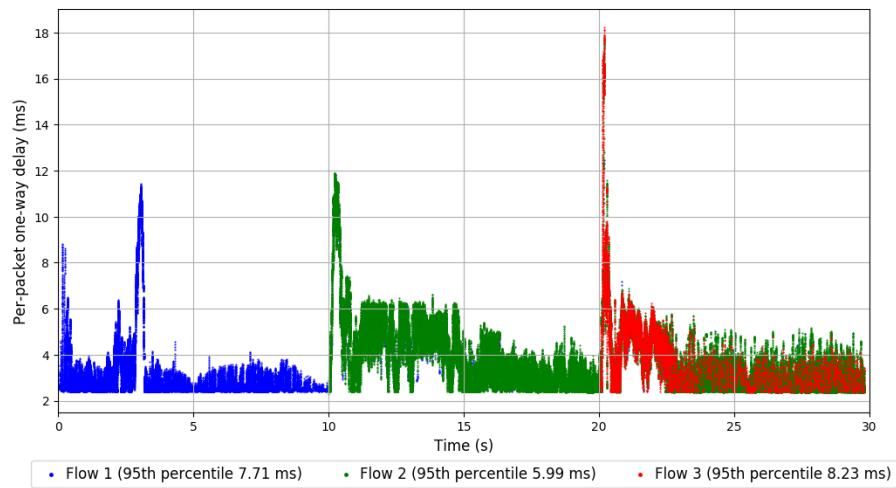
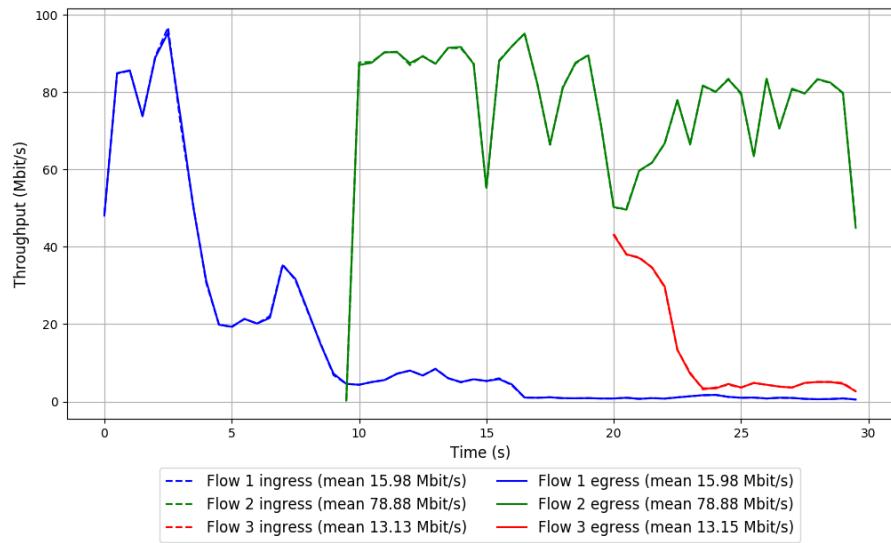
Figure is missing

Run 1: Statistics of Indigo-1-32

```
Start at: 2018-02-28 00:14:10
End at: 2018-02-28 00:14:40
Local clock offset: 0.671 ms
Remote clock offset: -6.397 ms

# Below is generated by plot.py at 2018-02-28 07:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 6.094 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 7.709 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 5.986 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 8.235 ms
Loss rate: 0.09%
```

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

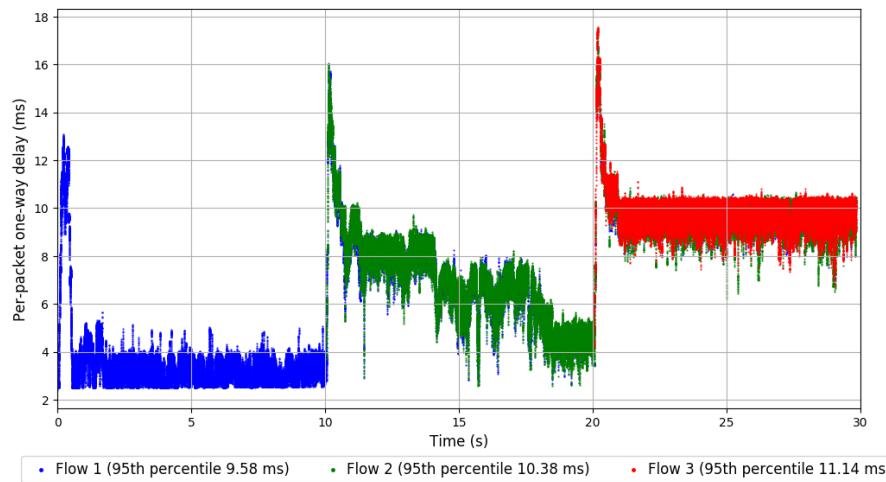
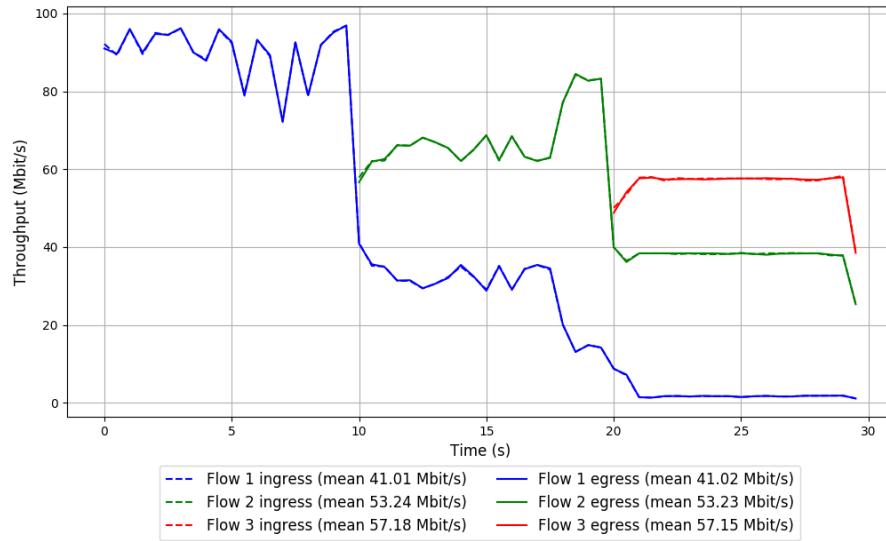


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-02-28 00:34:40
End at: 2018-02-28 00:35:10
Local clock offset: -6.584 ms
Remote clock offset: -6.231 ms

# Below is generated by plot.py at 2018-02-28 07:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 10.395 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 9.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 10.384 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 11.144 ms
Loss rate: 0.13%
```

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

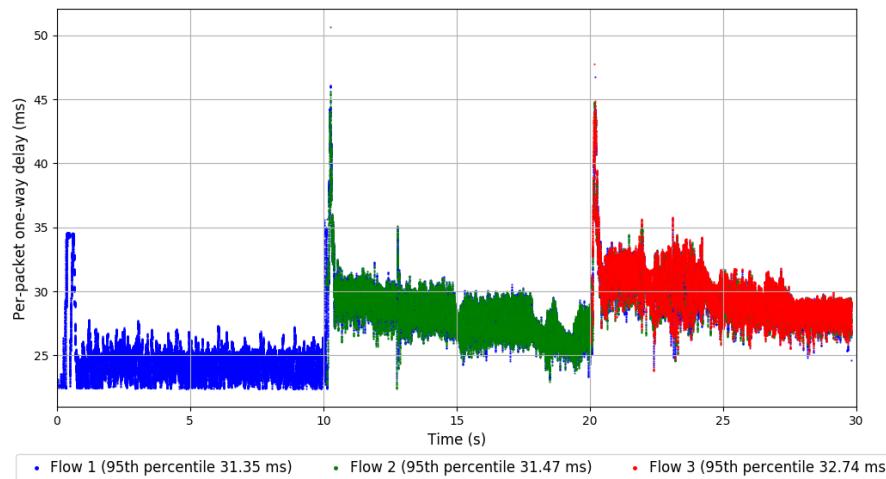
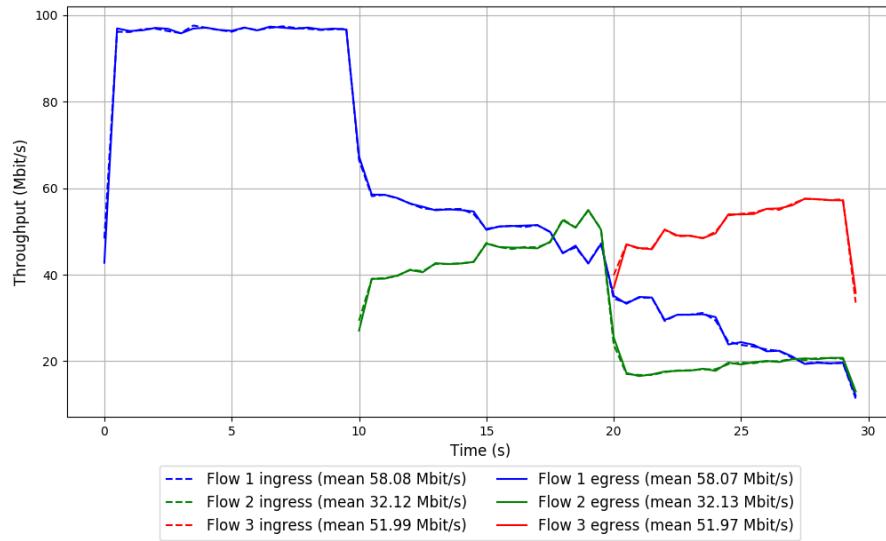


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-02-28 00:55:12
End at: 2018-02-28 00:55:42
Local clock offset: -9.921 ms
Remote clock offset: -27.284 ms

# Below is generated by plot.py at 2018-02-28 07:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 31.352 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 31.471 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 51.97 Mbit/s
95th percentile per-packet one-way delay: 32.740 ms
Loss rate: 0.13%
```

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

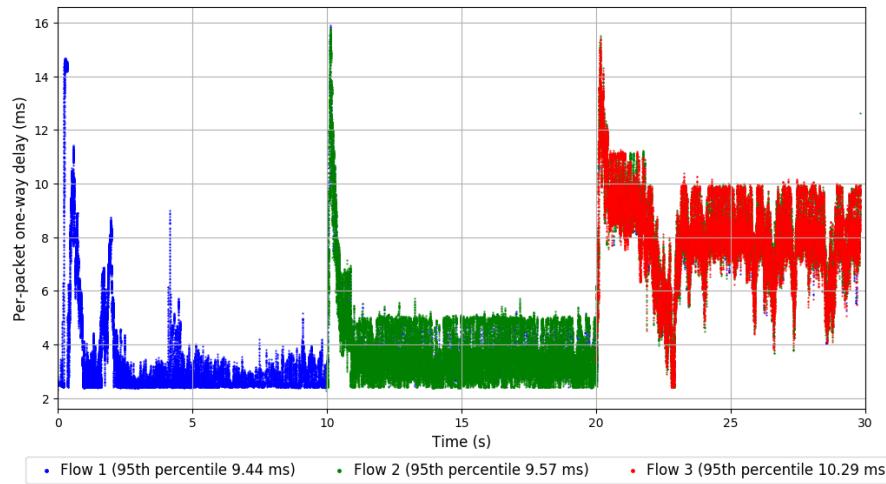
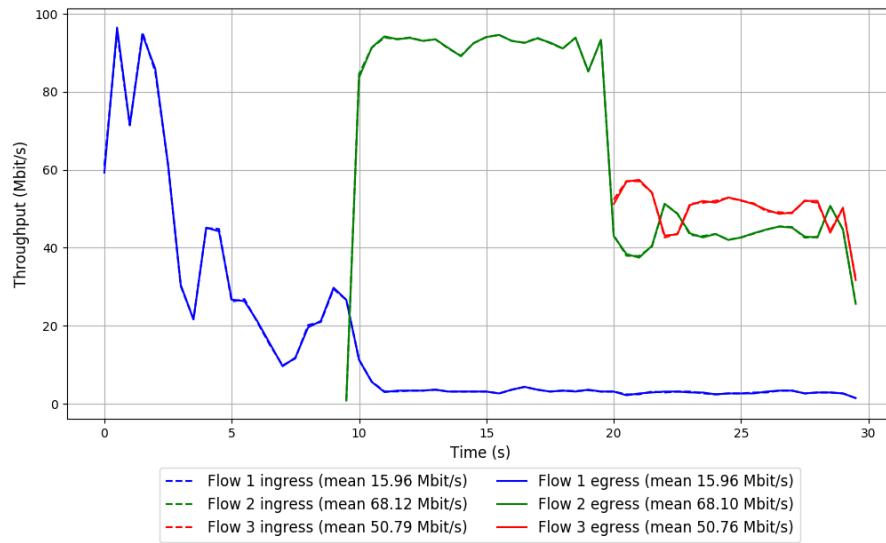


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-02-28 01:15:40
End at: 2018-02-28 01:16:10
Local clock offset: -8.074 ms
Remote clock offset: -8.152 ms

# Below is generated by plot.py at 2018-02-28 07:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 9.768 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 9.441 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.10 Mbit/s
95th percentile per-packet one-way delay: 9.573 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 10.285 ms
Loss rate: 0.12%
```

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

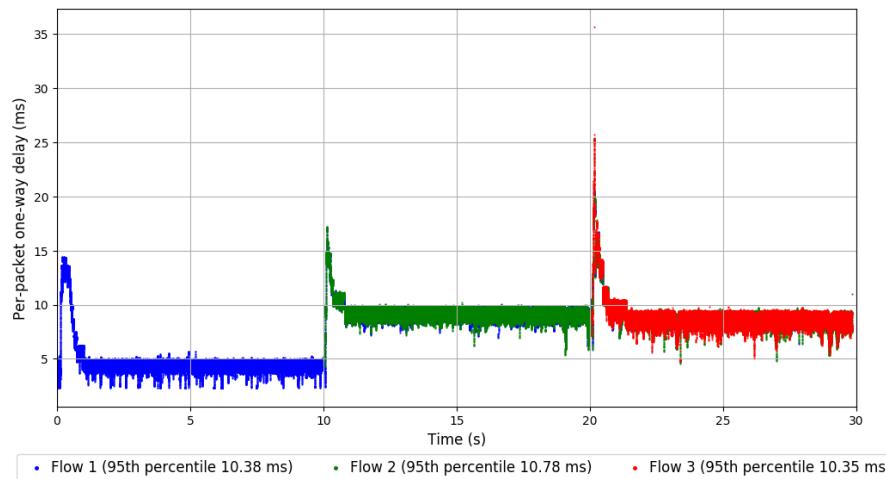
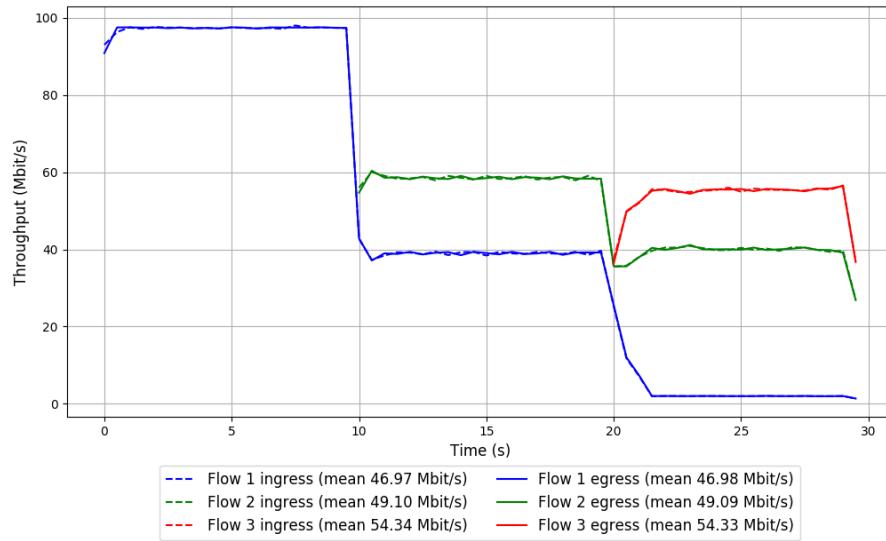


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-02-28 01:36:04
End at: 2018-02-28 01:36:34
Local clock offset: -5.398 ms
Remote clock offset: -6.621 ms

# Below is generated by plot.py at 2018-02-28 07:09:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 10.538 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 10.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.09 Mbit/s
95th percentile per-packet one-way delay: 10.782 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 10.348 ms
Loss rate: 0.11%
```

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

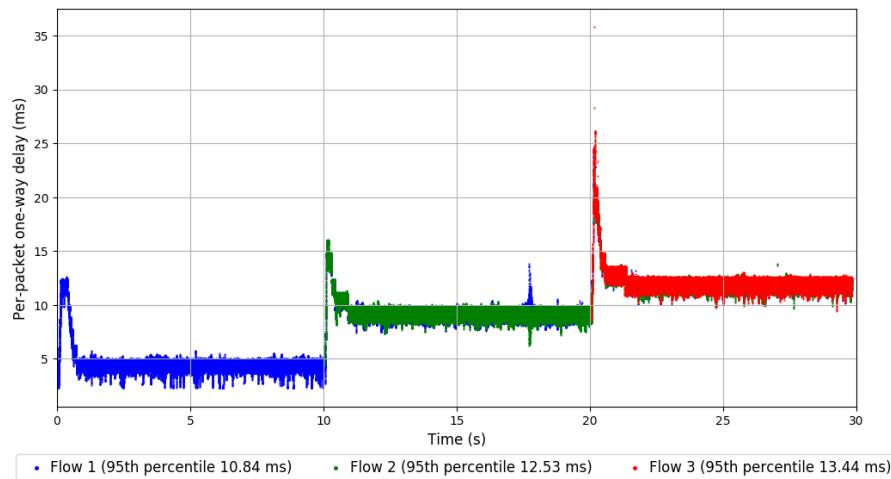
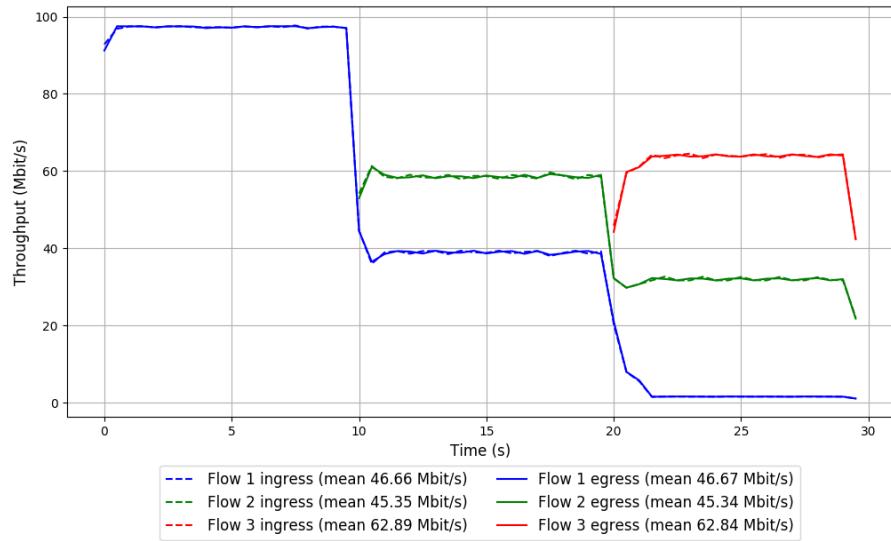


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-02-28 01:56:26
End at: 2018-02-28 01:56:56
Local clock offset: -2.583 ms
Remote clock offset: -6.131 ms

# Below is generated by plot.py at 2018-02-28 07:09:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 12.528 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 10.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 12.534 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 13.435 ms
Loss rate: 0.15%
```

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

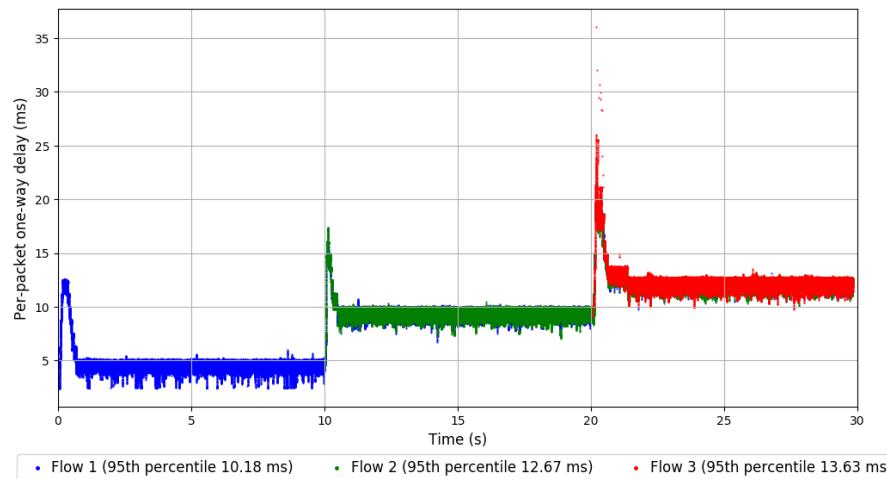
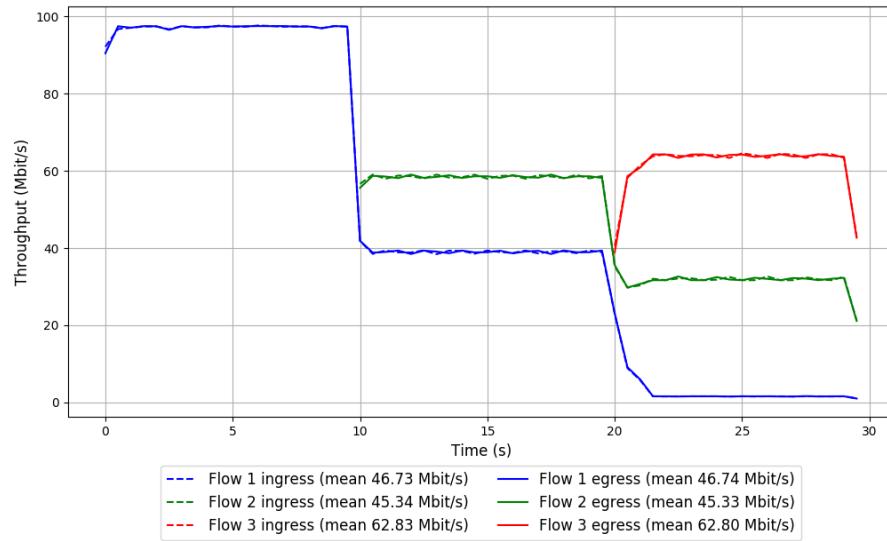


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-02-28 02:16:51
End at: 2018-02-28 02:17:21
Local clock offset: -3.432 ms
Remote clock offset: -6.33 ms

# Below is generated by plot.py at 2018-02-28 07:10:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 12.693 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 10.175 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 12.672 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 13.630 ms
Loss rate: 0.15%
```

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

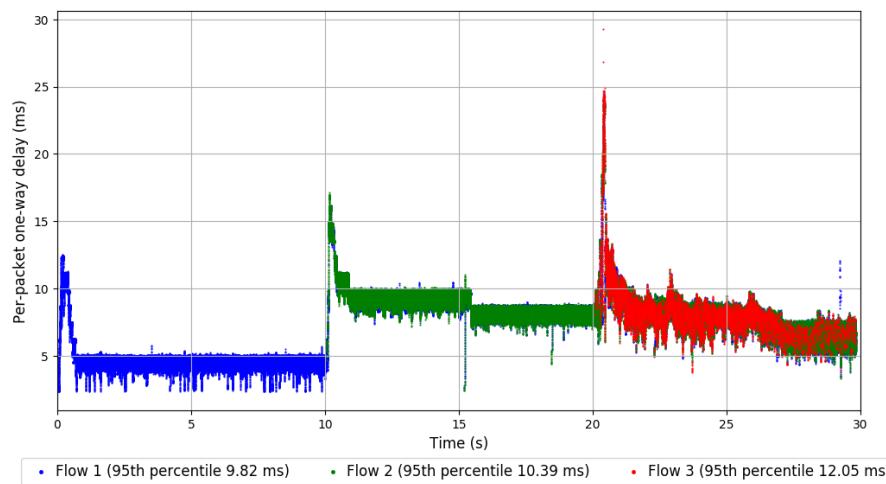
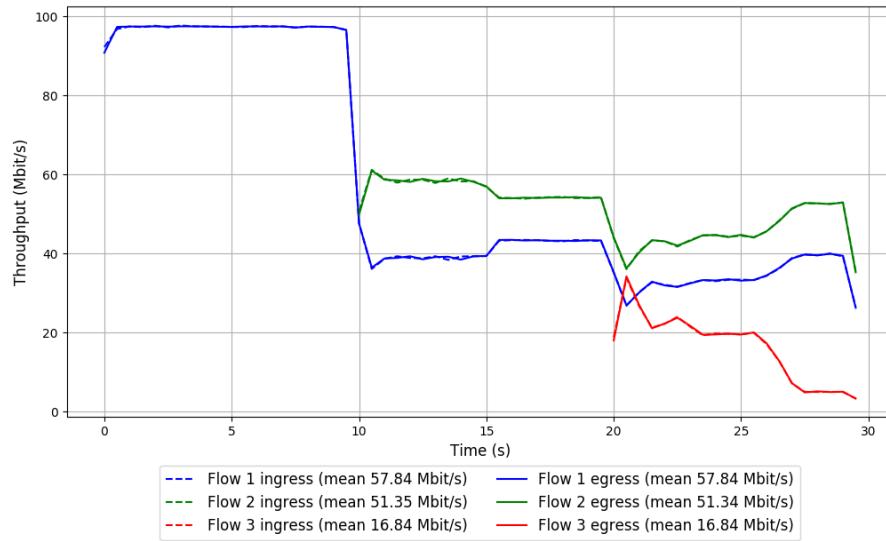


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-28 02:37:17
End at: 2018-02-28 02:37:47
Local clock offset: -3.678 ms
Remote clock offset: -6.784 ms

# Below is generated by plot.py at 2018-02-28 07:10:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 9.960 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 9.822 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 10.393 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 12.051 ms
Loss rate: 0.00%
```

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

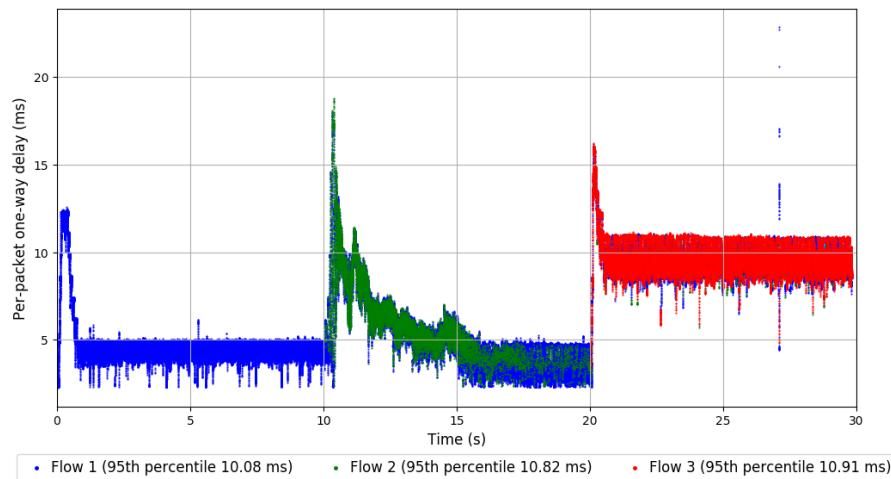
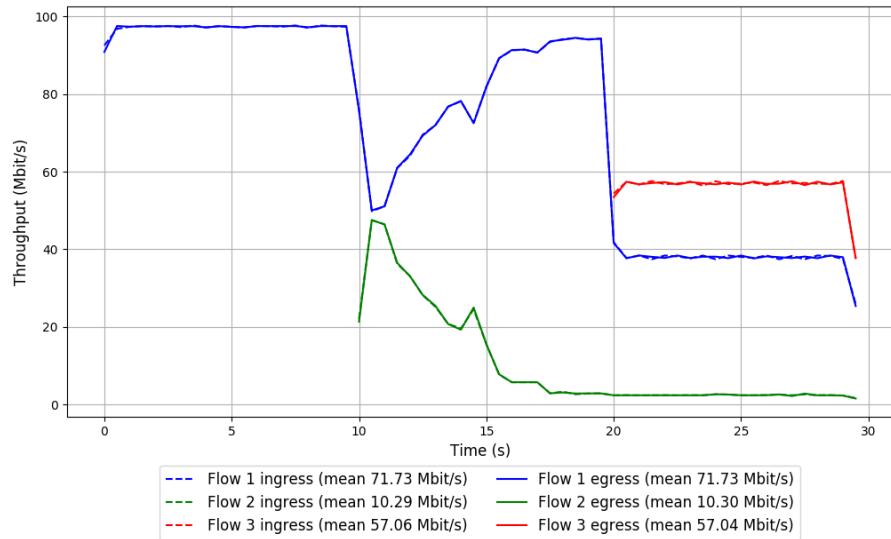


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-28 02:57:43
End at: 2018-02-28 02:58:13
Local clock offset: -6.042 ms
Remote clock offset: -7.261 ms

# Below is generated by plot.py at 2018-02-28 07:10:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 10.704 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 71.73 Mbit/s
95th percentile per-packet one-way delay: 10.078 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 10.817 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 10.913 ms
Loss rate: 0.11%
```

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

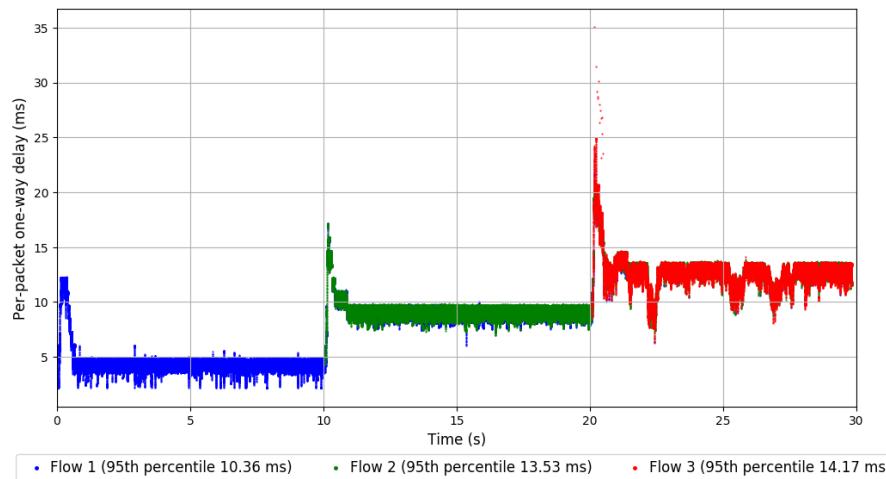
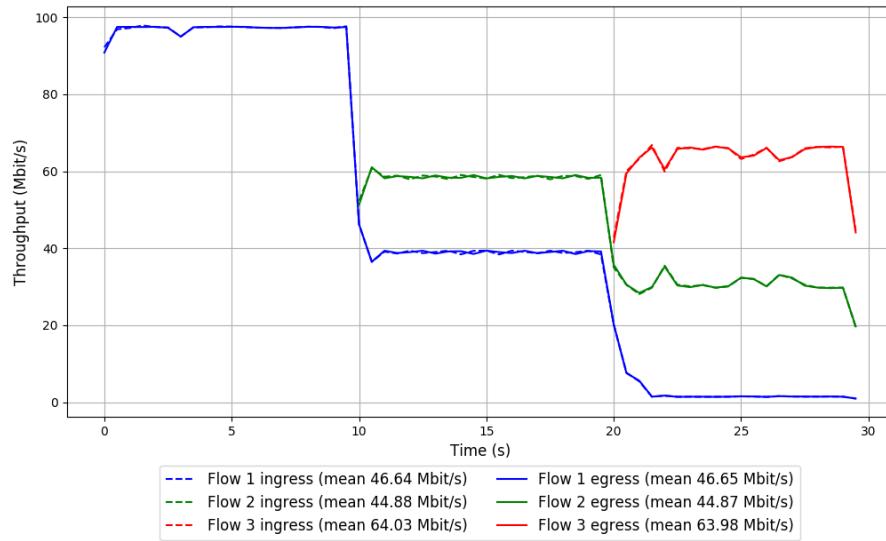


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-28 03:18:08
End at: 2018-02-28 03:18:38
Local clock offset: -5.218 ms
Remote clock offset: -6.884 ms

# Below is generated by plot.py at 2018-02-28 07:10:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 13.475 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 10.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 13.528 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 14.170 ms
Loss rate: 0.17%
```

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

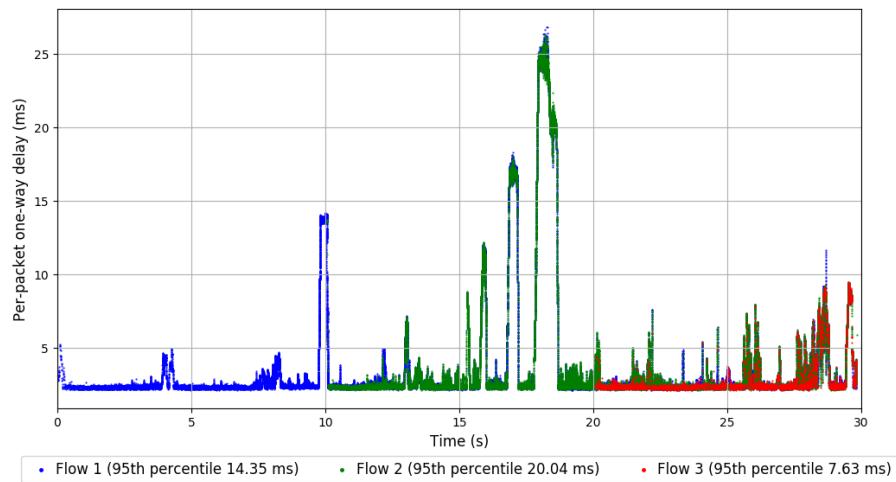
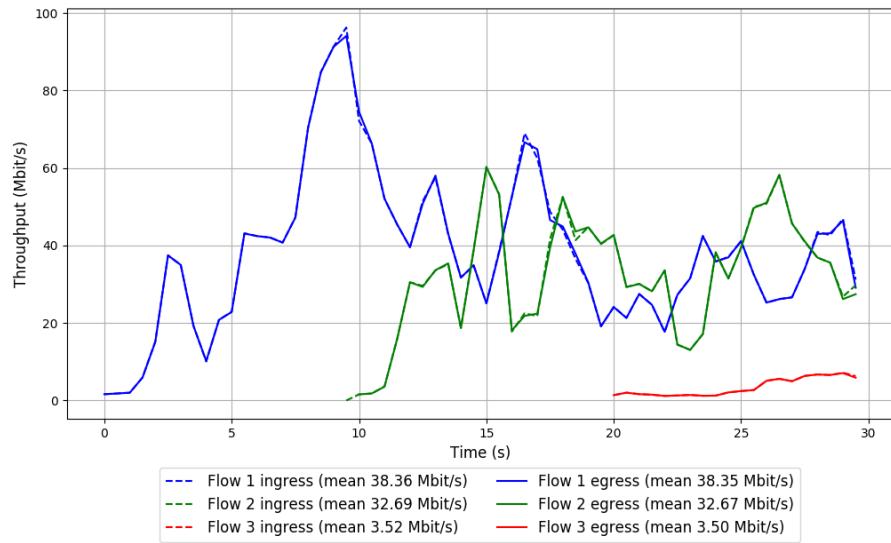


Run 1: Statistics of Vivace-latency

```
Start at: 2018-02-28 00:10:46
End at: 2018-02-28 00:11:16
Local clock offset: 0.455 ms
Remote clock offset: -6.348 ms

# Below is generated by plot.py at 2018-02-28 07:10:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.21 Mbit/s
95th percentile per-packet one-way delay: 16.861 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 14.352 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 20.039 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 7.632 ms
Loss rate: 0.80%
```

Run 1: Report of Vivace-latency — Data Link

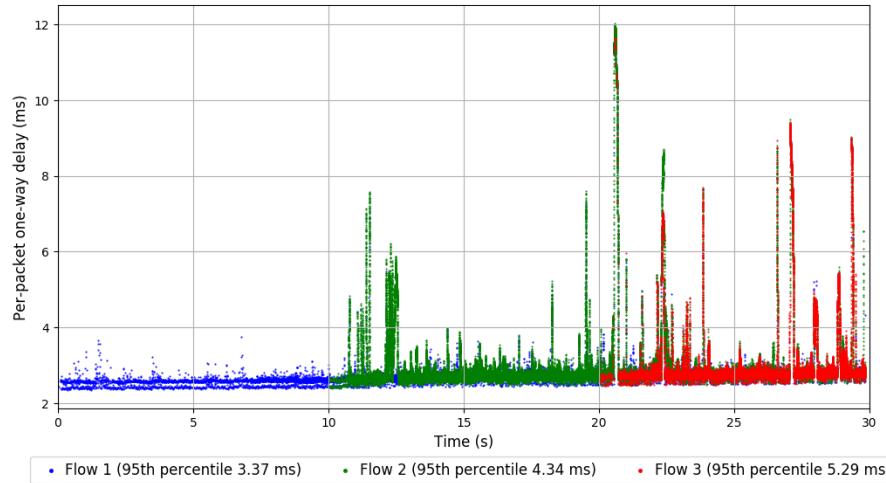
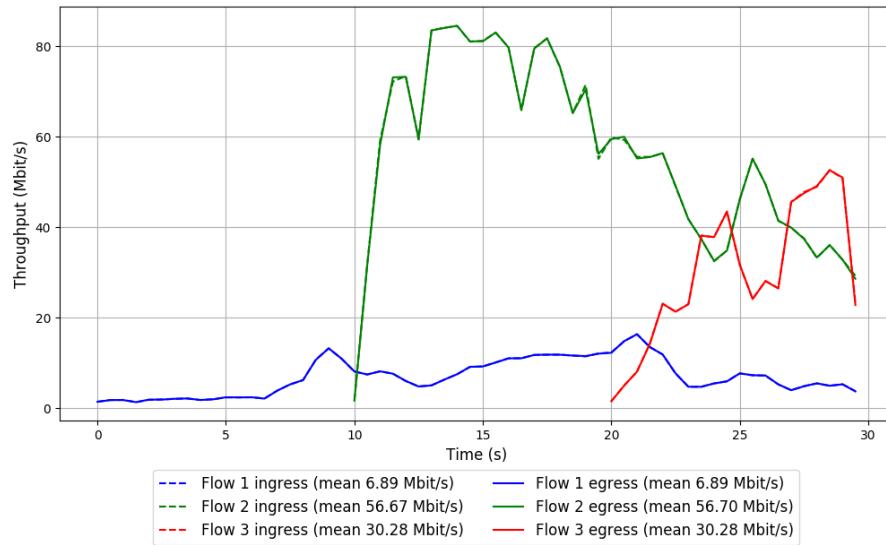


Run 2: Statistics of Vivace-latency

```
Start at: 2018-02-28 00:31:19
End at: 2018-02-28 00:31:49
Local clock offset: -5.441 ms
Remote clock offset: -6.217 ms

# Below is generated by plot.py at 2018-02-28 07:10:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 4.443 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 3.372 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 4.345 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 5.290 ms
Loss rate: 0.12%
```

Run 2: Report of Vivace-latency — Data Link

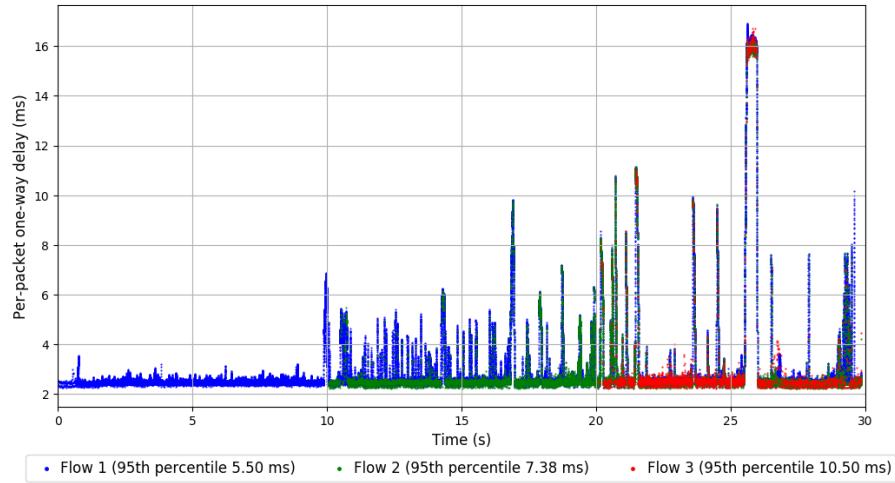
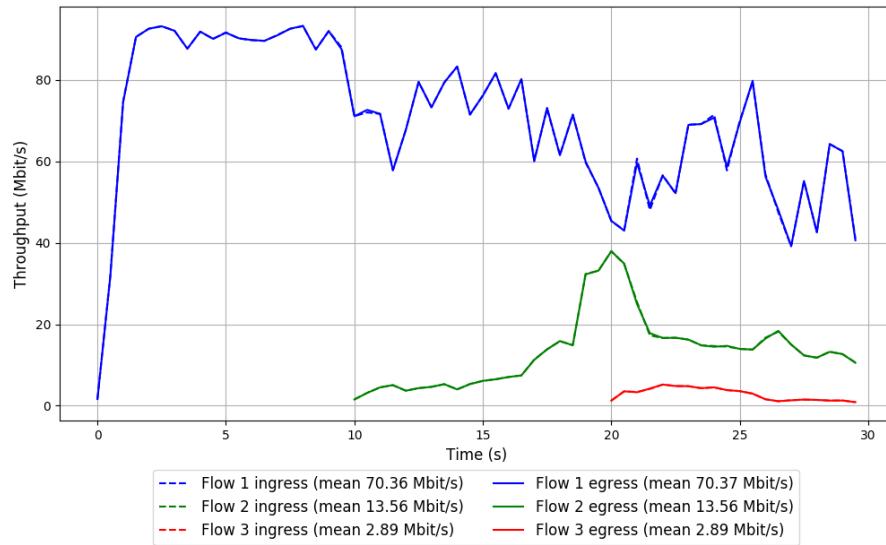


Run 3: Statistics of Vivace-latency

```
Start at: 2018-02-28 00:51:48
End at: 2018-02-28 00:52:18
Local clock offset: -9.524 ms
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2018-02-28 07:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.32 Mbit/s
95th percentile per-packet one-way delay: 5.799 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 5.500 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 7.382 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 10.500 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

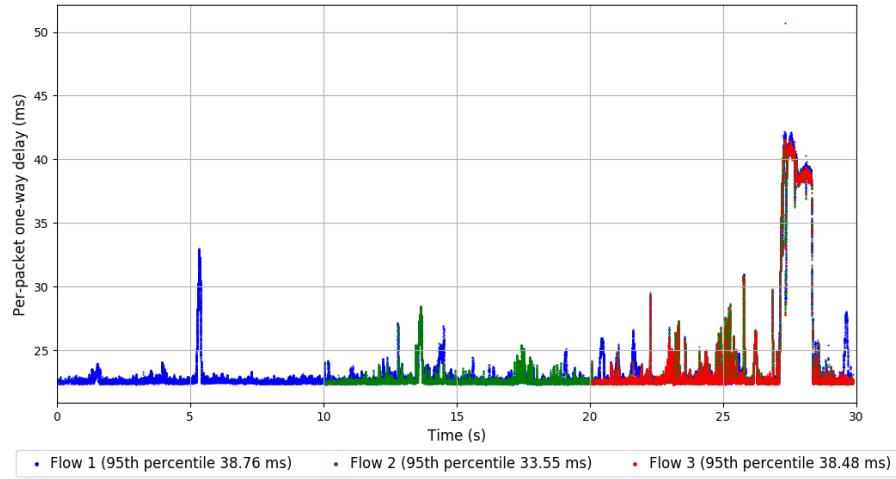
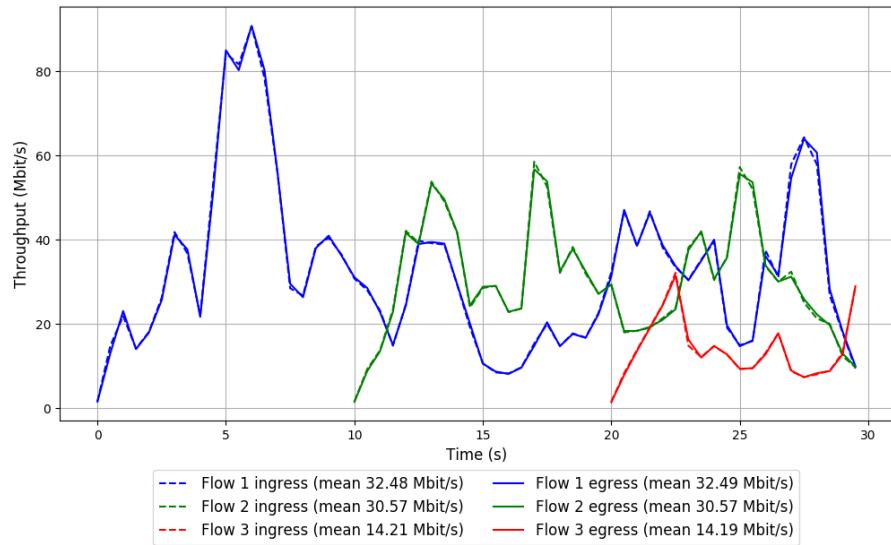


Run 4: Statistics of Vivace-latency

```
Start at: 2018-02-28 01:12:17
End at: 2018-02-28 01:12:47
Local clock offset: -8.011 ms
Remote clock offset: -28.091 ms

# Below is generated by plot.py at 2018-02-28 07:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 38.573 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 38.764 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 33.547 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 38.475 ms
Loss rate: 0.24%
```

Run 4: Report of Vivace-latency — Data Link

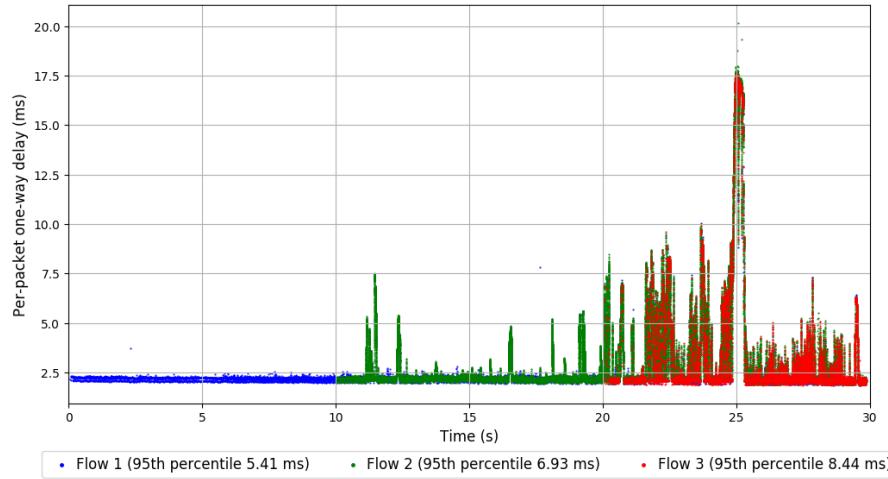
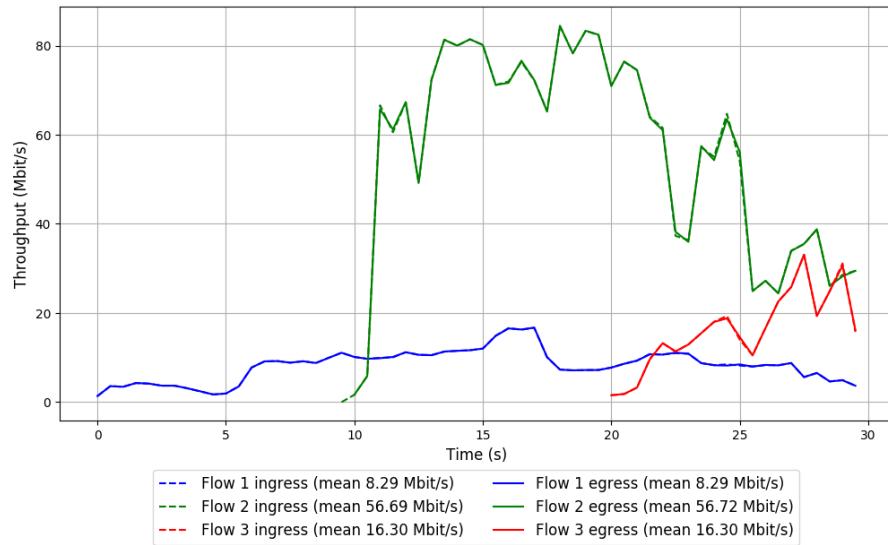


Run 5: Statistics of Vivace-latency

```
Start at: 2018-02-28 01:32:42
End at: 2018-02-28 01:33:12
Local clock offset: -6.768 ms
Remote clock offset: -6.815 ms

# Below is generated by plot.py at 2018-02-28 07:11:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 6.873 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 5.408 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 6.932 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 8.442 ms
Loss rate: 0.06%
```

Run 5: Report of Vivace-latency — Data Link

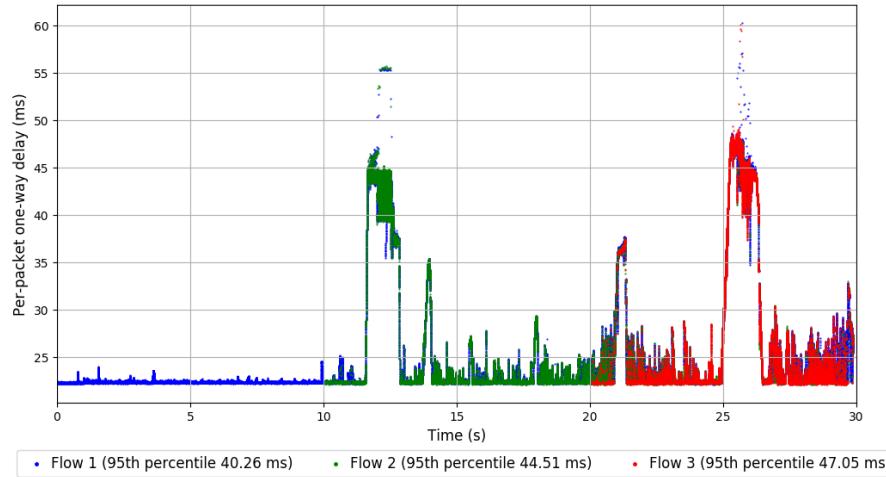
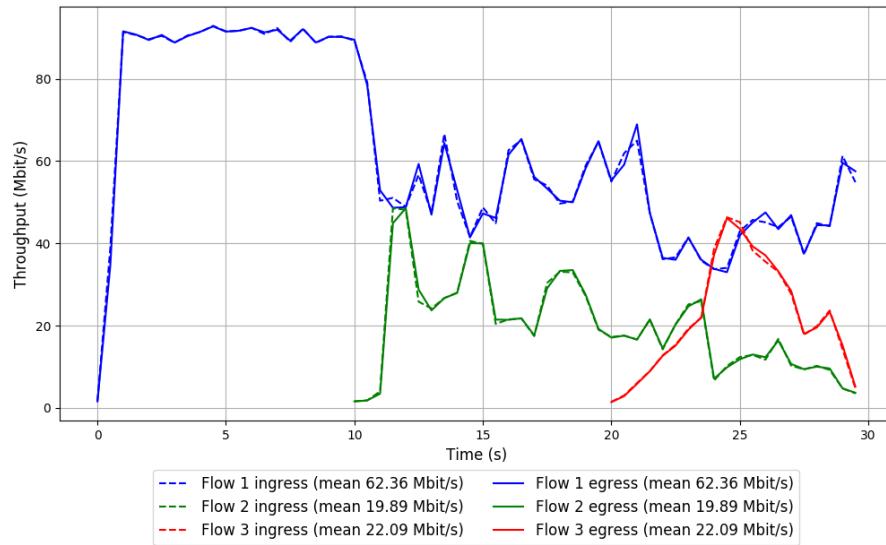


Run 6: Statistics of Vivace-latency

```
Start at: 2018-02-28 01:53:05
End at: 2018-02-28 01:53:35
Local clock offset: -2.781 ms
Remote clock offset: -26.135 ms

# Below is generated by plot.py at 2018-02-28 07:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 44.082 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 40.264 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 44.511 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: 47.050 ms
Loss rate: 0.02%
```

Run 6: Report of Vivace-latency — Data Link

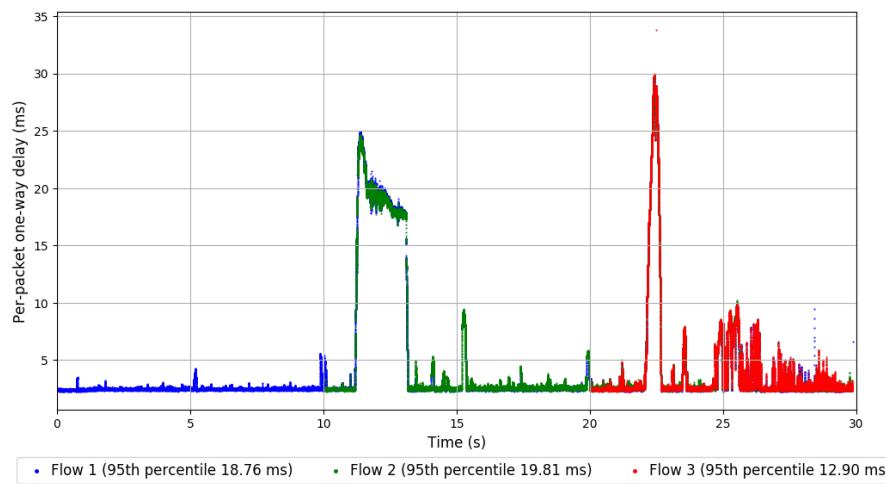
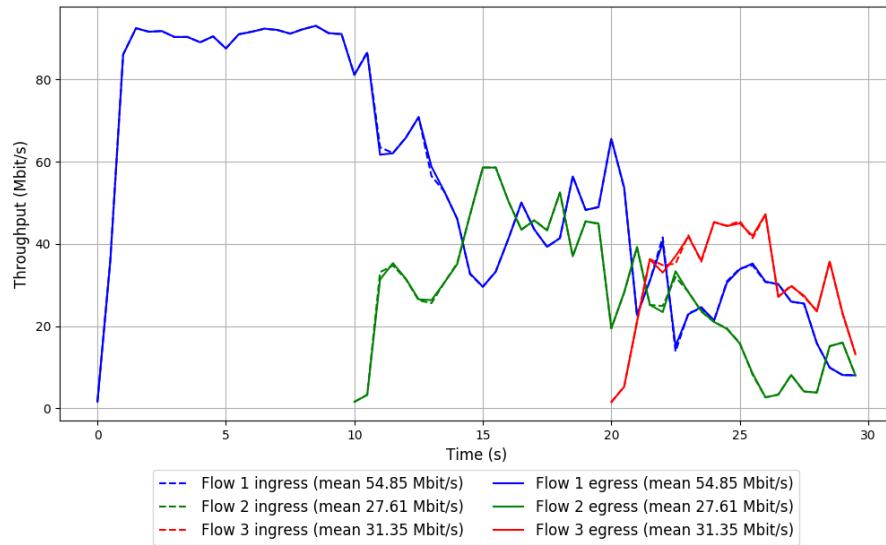


Run 7: Statistics of Vivace-latency

```
Start at: 2018-02-28 02:13:29
End at: 2018-02-28 02:13:59
Local clock offset: -3.272 ms
Remote clock offset: -6.323 ms

# Below is generated by plot.py at 2018-02-28 07:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.50 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 18.764 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 19.811 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 12.901 ms
Loss rate: 0.02%
```

Run 7: Report of Vivace-latency — Data Link

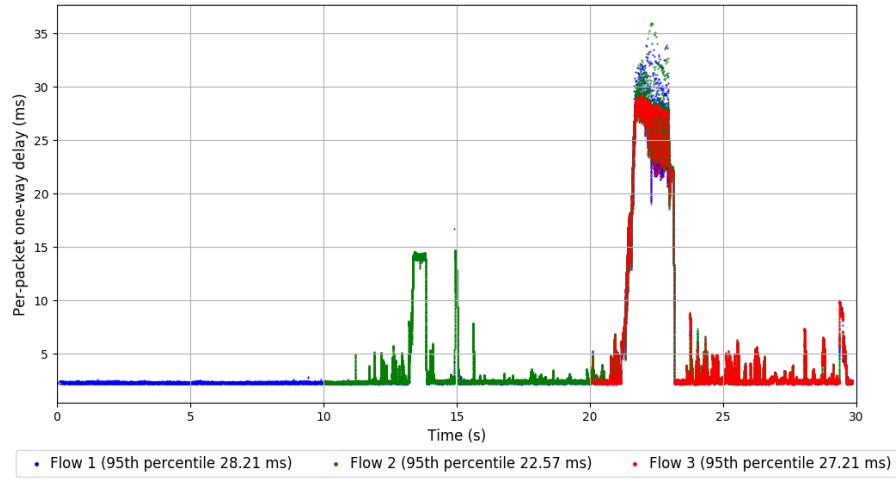
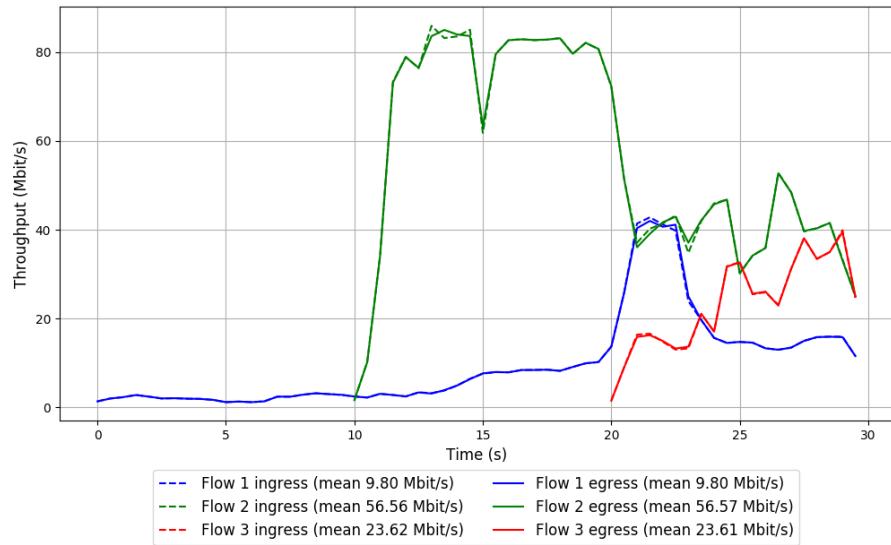


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-28 02:33:55
End at: 2018-02-28 02:34:25
Local clock offset: -3.684 ms
Remote clock offset: -6.562 ms

# Below is generated by plot.py at 2018-02-28 07:12:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 26.821 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 28.208 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 22.567 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.61 Mbit/s
95th percentile per-packet one-way delay: 27.215 ms
Loss rate: 0.07%
```

### Run 8: Report of Vivace-latency — Data Link

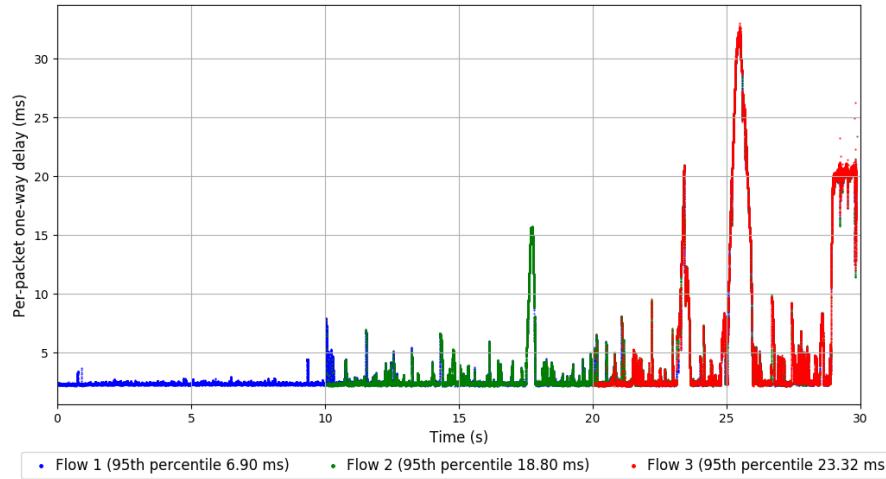
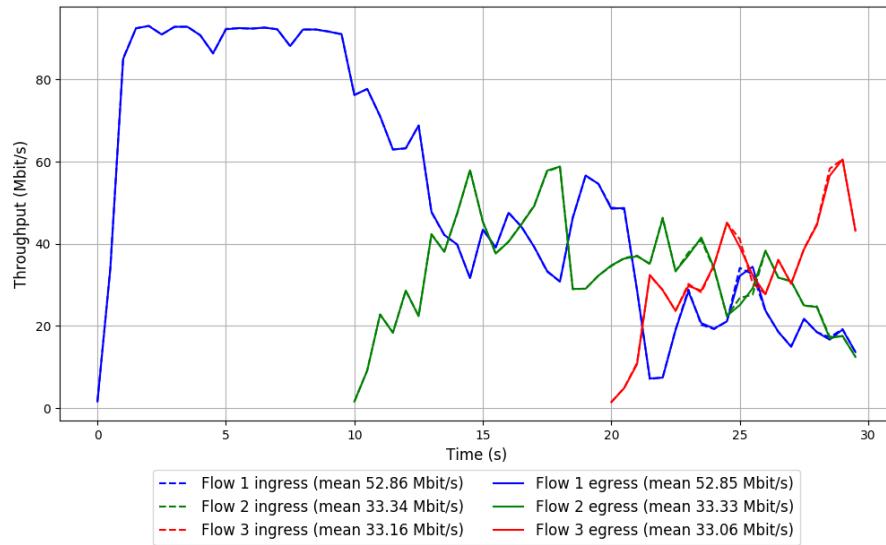


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-28 02:54:18
End at: 2018-02-28 02:54:48
Local clock offset: -5.81 ms
Remote clock offset: -7.228 ms

# Below is generated by plot.py at 2018-02-28 07:12:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 6.904 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 23.324 ms
Loss rate: 0.39%
```

### Run 9: Report of Vivace-latency — Data Link

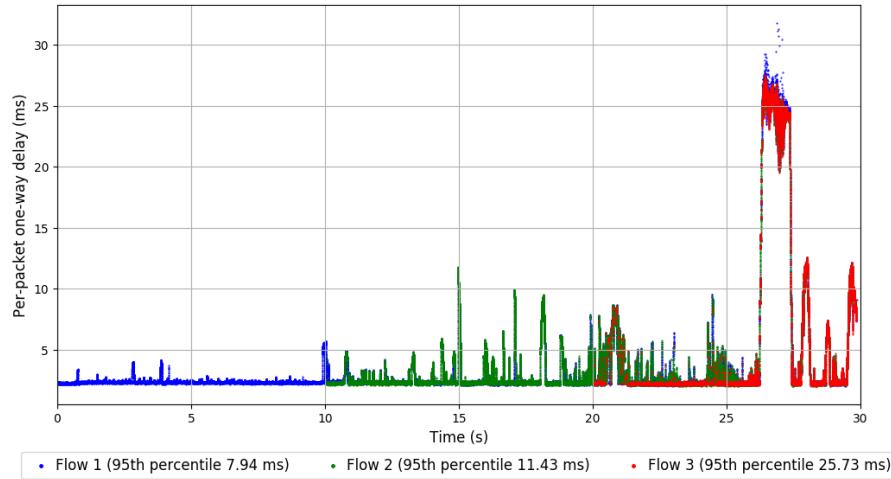
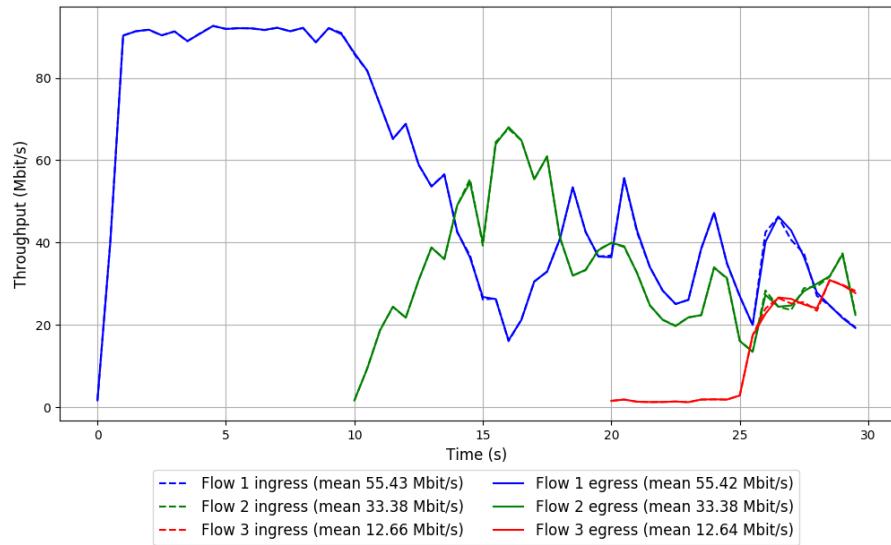


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-28 03:14:45
End at: 2018-02-28 03:15:15
Local clock offset: -5.857 ms
Remote clock offset: -6.996 ms

# Below is generated by plot.py at 2018-02-28 07:12:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 11.552 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 7.936 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 11.430 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: 25.733 ms
Loss rate: 0.32%
```

### Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 00:11:56

End at: 2018-02-28 00:12:26

Local clock offset: 0.465 ms

Remote clock offset: -11.006 ms

Run 1: Report of Vivace-loss — Data Link

Figure is missing

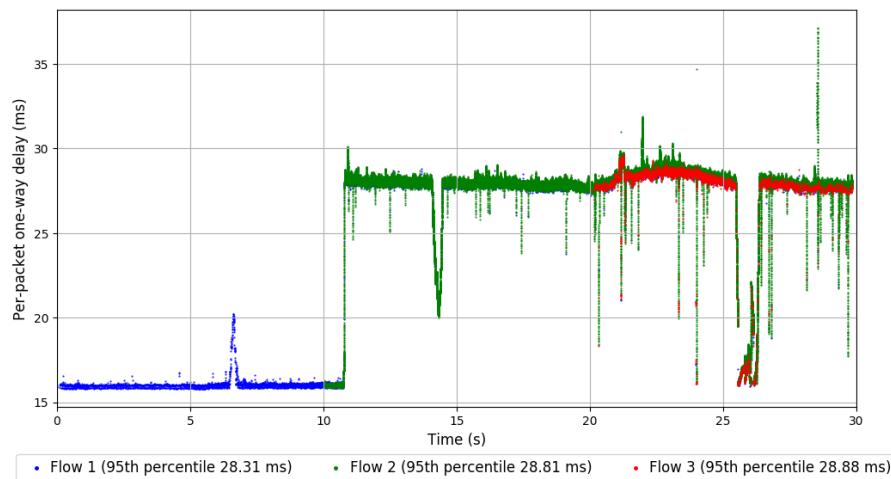
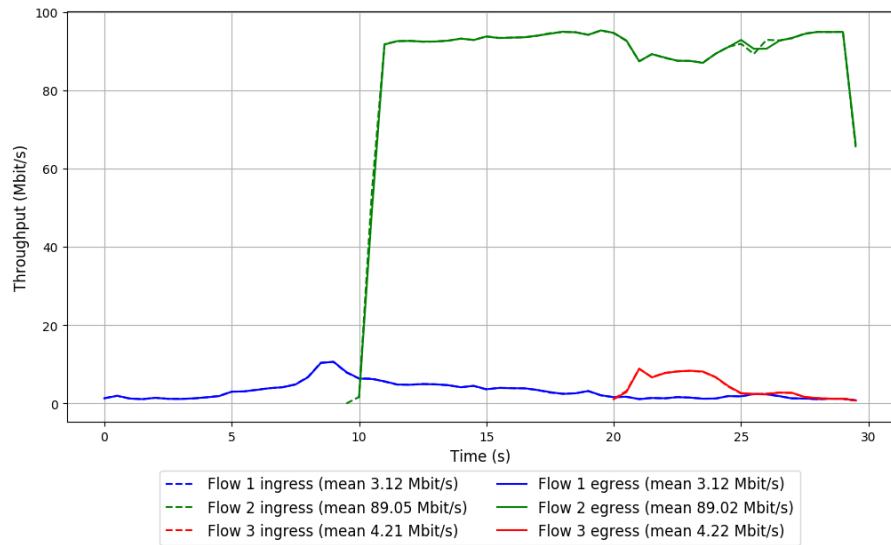
Figure is missing

Run 2: Statistics of Vivace-loss

```
Start at: 2018-02-28 00:32:27
End at: 2018-02-28 00:32:57
Local clock offset: -5.964 ms
Remote clock offset: -19.765 ms

# Below is generated by plot.py at 2018-02-28 07:12:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 28.795 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 28.307 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 28.807 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 28.876 ms
Loss rate: 0.09%
```

Run 2: Report of Vivace-loss — Data Link

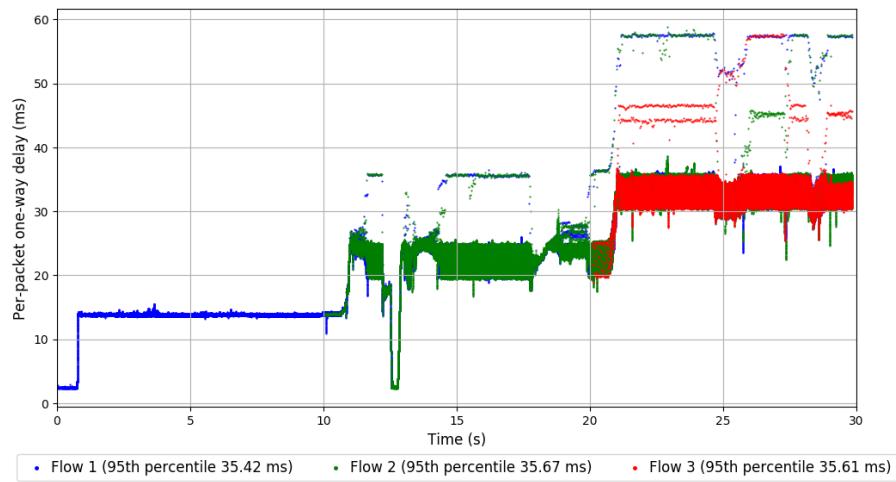
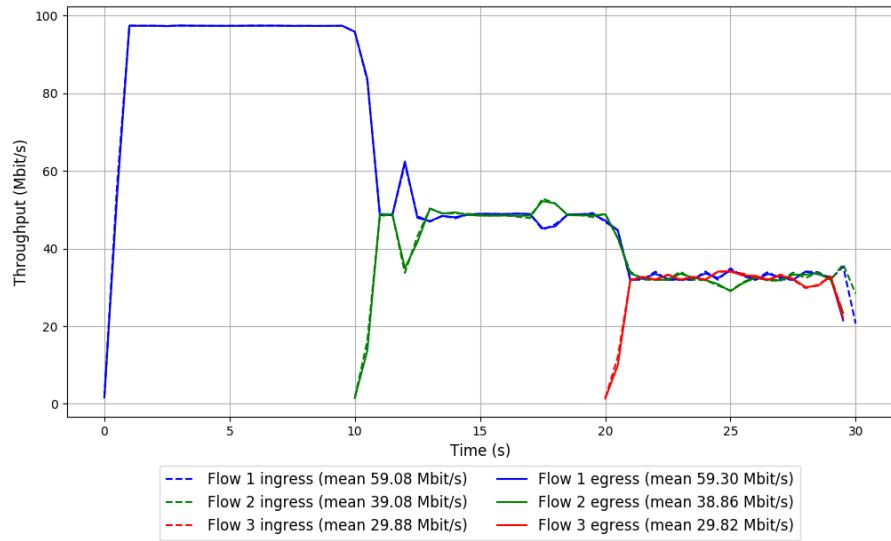


Run 3: Statistics of Vivace-loss

```
Start at: 2018-02-28 00:52:57
End at: 2018-02-28 00:53:27
Local clock offset: -9.63 ms
Remote clock offset: -6.866 ms

# Below is generated by plot.py at 2018-02-28 07:12:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 35.564 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 35.419 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 38.86 Mbit/s
95th percentile per-packet one-way delay: 35.667 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 29.82 Mbit/s
95th percentile per-packet one-way delay: 35.607 ms
Loss rate: 0.57%
```

Run 3: Report of Vivace-loss — Data Link

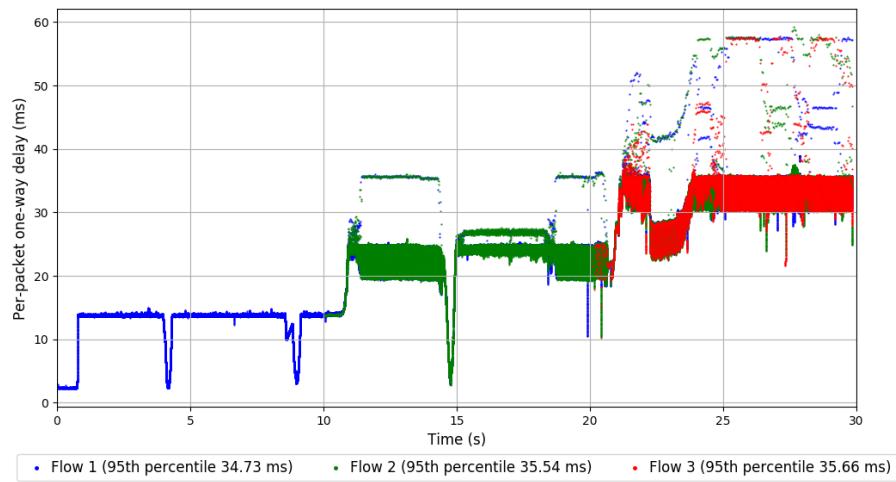
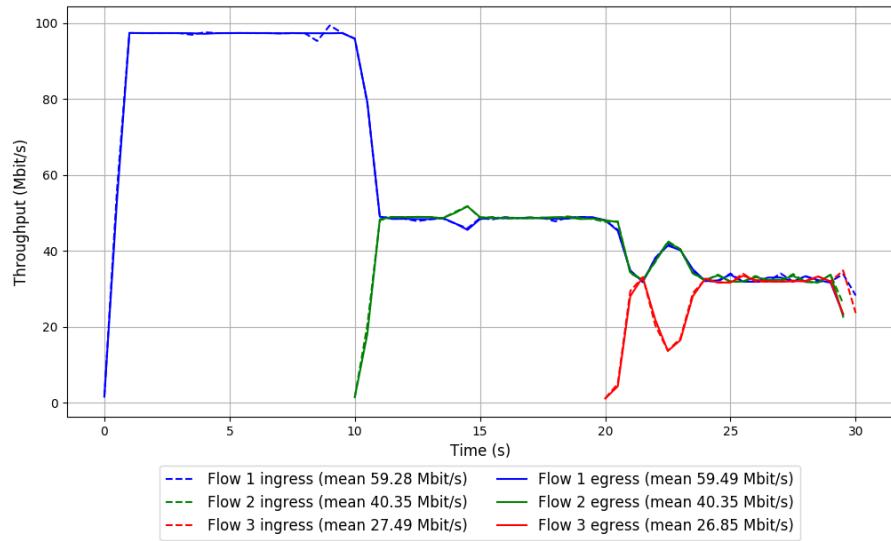


Run 4: Statistics of Vivace-loss

```
Start at: 2018-02-28 01:13:25
End at: 2018-02-28 01:13:55
Local clock offset: -8.045 ms
Remote clock offset: -8.031 ms

# Below is generated by plot.py at 2018-02-28 07:12:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 35.469 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 34.728 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 35.538 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 35.657 ms
Loss rate: 6.63%
```

Run 4: Report of Vivace-loss — Data Link

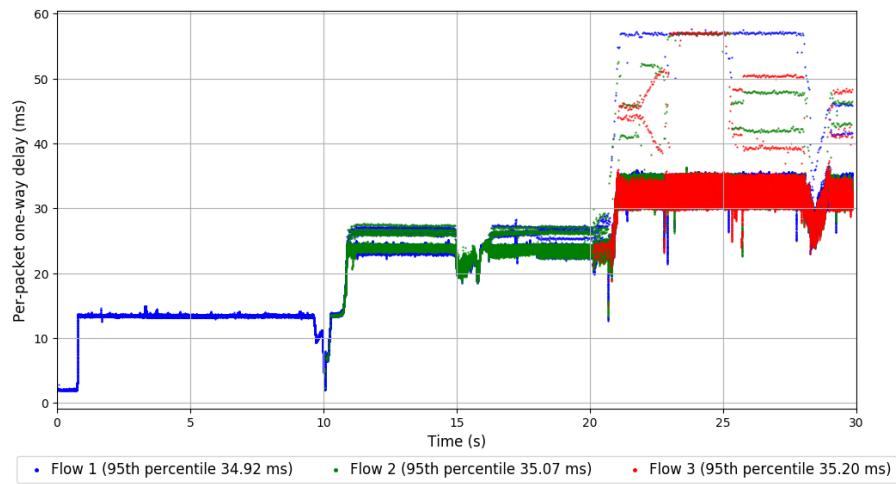
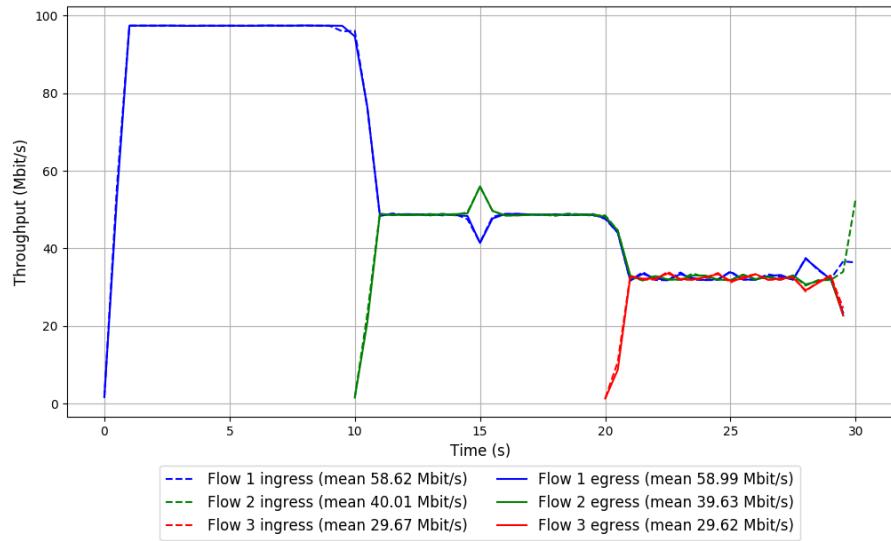


Run 5: Statistics of Vivace-loss

```
Start at: 2018-02-28 01:33:49
End at: 2018-02-28 01:34:19
Local clock offset: -6.351 ms
Remote clock offset: -6.652 ms

# Below is generated by plot.py at 2018-02-28 07:13:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 35.059 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 34.920 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 35.066 ms
Loss rate: 4.01%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 35.203 ms
Loss rate: 0.68%
```

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 01:54:14

End at: 2018-02-28 01:54:44

Local clock offset: -2.707 ms

Remote clock offset: -6.12 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 02:14:38

End at: 2018-02-28 02:15:09

Local clock offset: -3.343 ms

Remote clock offset: -26.257 ms

Run 7: Report of Vivace-loss — Data Link

Figure is missing

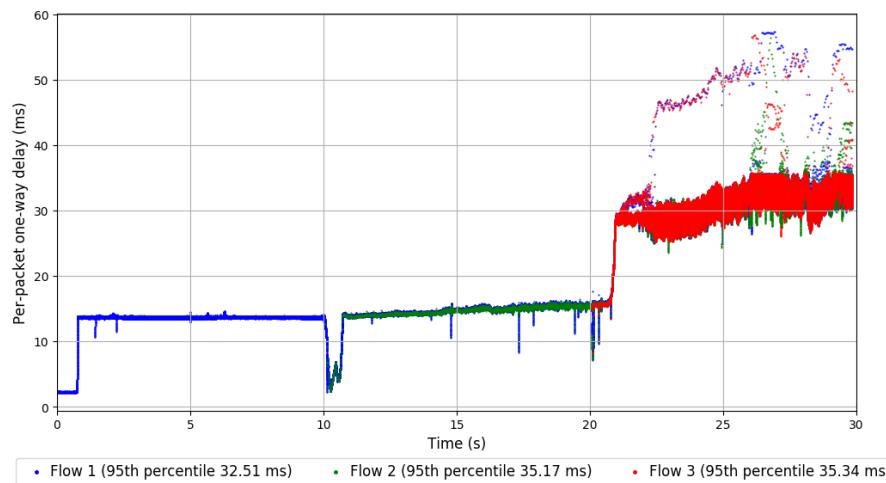
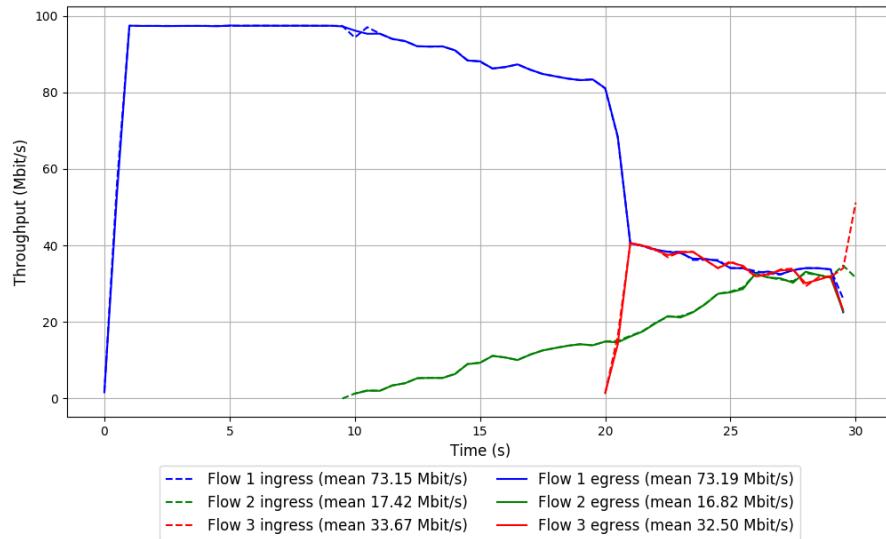
Figure is missing

Run 8: Statistics of Vivace-loss

```
Start at: 2018-02-28 02:35:02
End at: 2018-02-28 02:35:32
Local clock offset: -3.698 ms
Remote clock offset: -6.661 ms

# Below is generated by plot.py at 2018-02-28 07:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 34.202 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 73.19 Mbit/s
95th percentile per-packet one-way delay: 32.513 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: 35.174 ms
Loss rate: 6.41%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 35.343 ms
Loss rate: 9.14%
```

Run 8: Report of Vivace-loss — Data Link

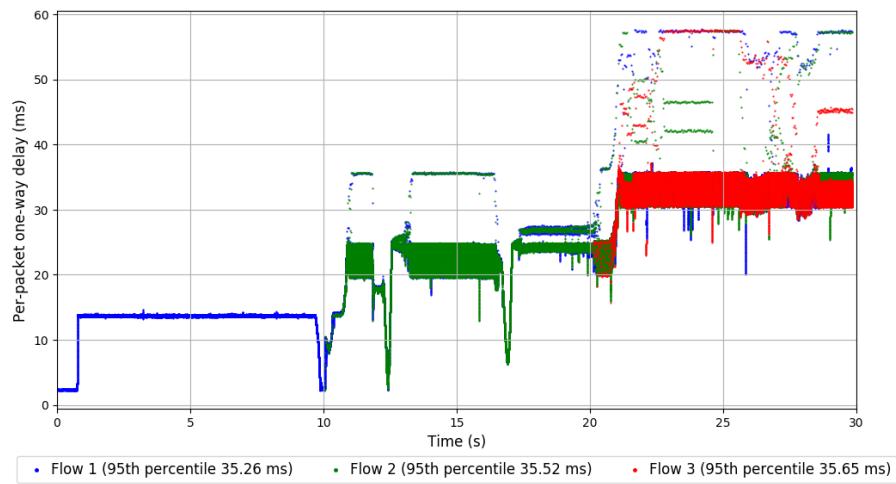
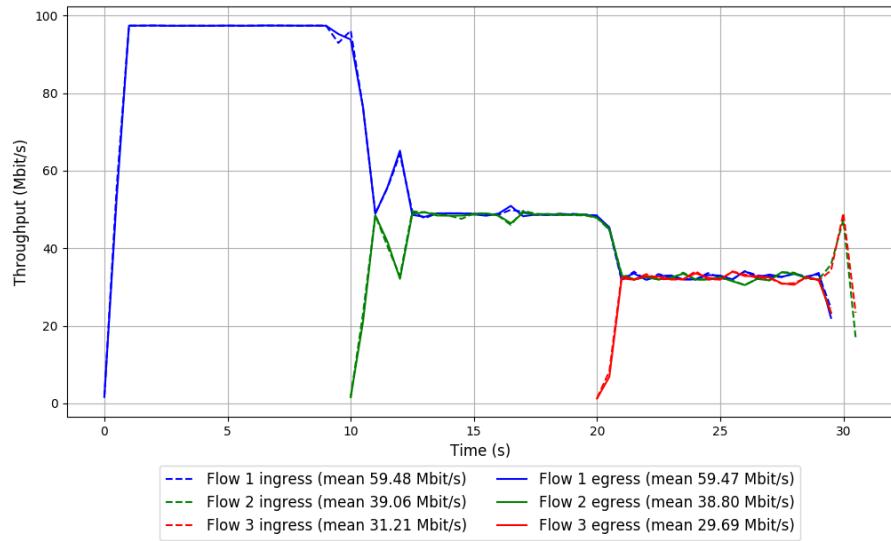


Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-28 02:55:28
End at: 2018-02-28 02:55:58
Local clock offset: -5.877 ms
Remote clock offset: -7.246 ms

# Below is generated by plot.py at 2018-02-28 07:13:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 35.504 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 35.259 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 35.522 ms
Loss rate: 4.87%
-- Flow 3:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 35.652 ms
Loss rate: 12.83%
```

Run 9: Report of Vivace-loss — Data Link

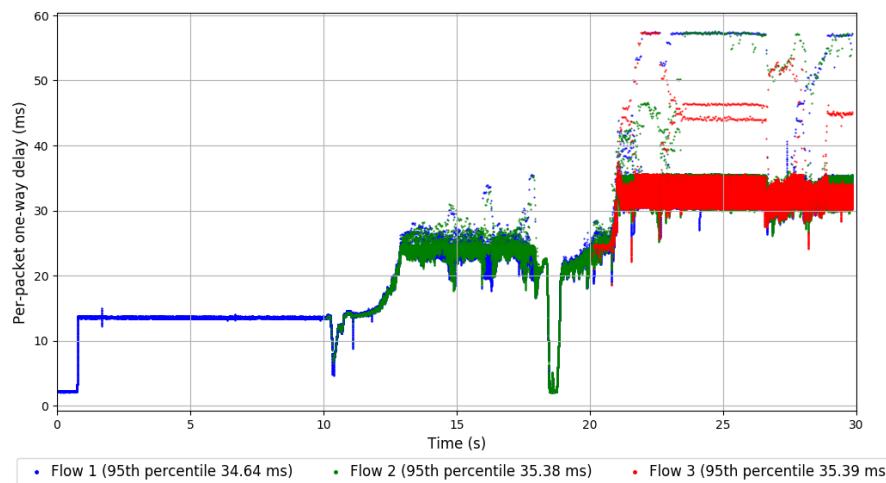
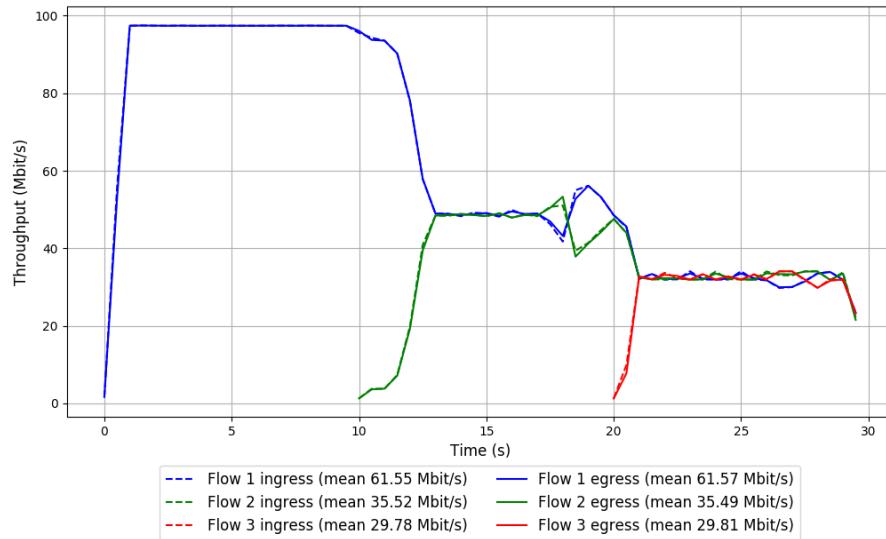


Run 10: Statistics of Vivace-loss

```
Start at: 2018-02-28 03:15:55
End at: 2018-02-28 03:16:25
Local clock offset: -5.649 ms
Remote clock offset: -6.97 ms

# Below is generated by plot.py at 2018-02-28 07:13:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 35.245 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 34.644 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 35.385 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 35.388 ms
Loss rate: 0.37%
```

### Run 10: Report of Vivace-loss — Data Link

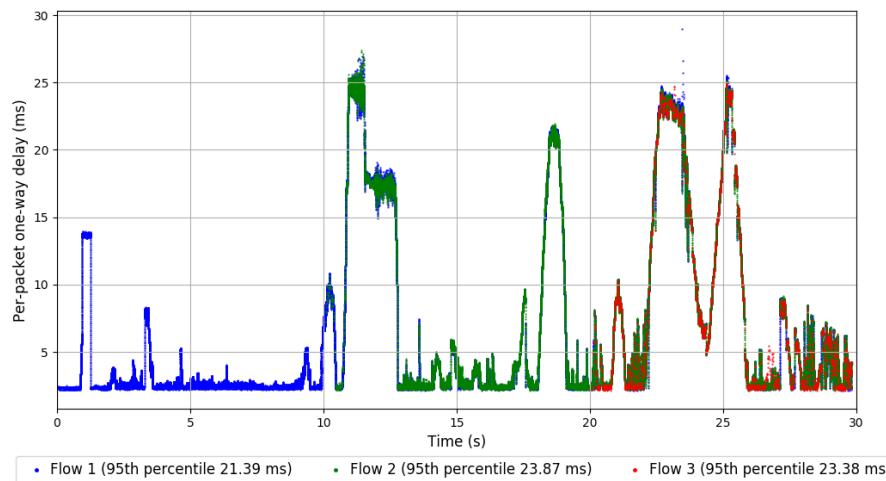
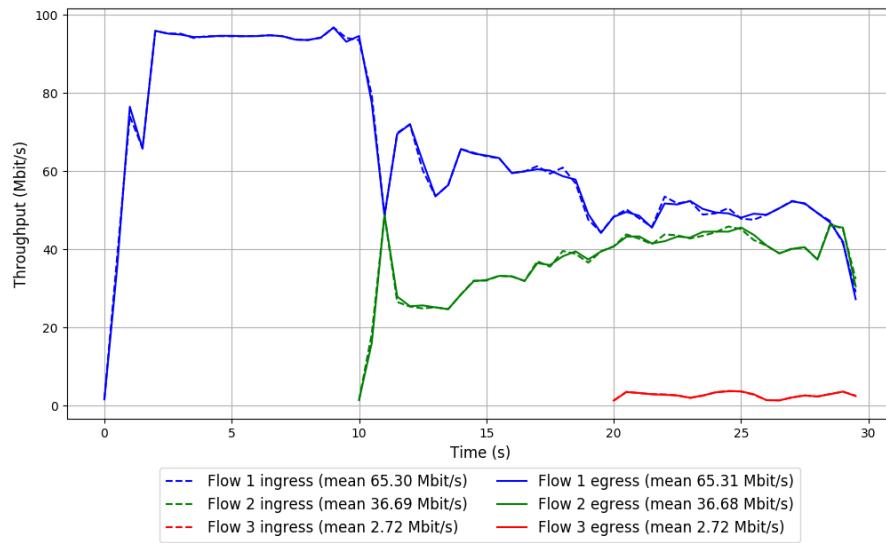


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-02-28 00:02:42
End at: 2018-02-28 00:03:12
Local clock offset: 0.012 ms
Remote clock offset: -6.45 ms

# Below is generated by plot.py at 2018-02-28 07:13:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 22.857 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 65.31 Mbit/s
95th percentile per-packet one-way delay: 21.386 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 23.872 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 23.380 ms
Loss rate: 0.26%
```

Run 1: Report of Vivace-LTE — Data Link

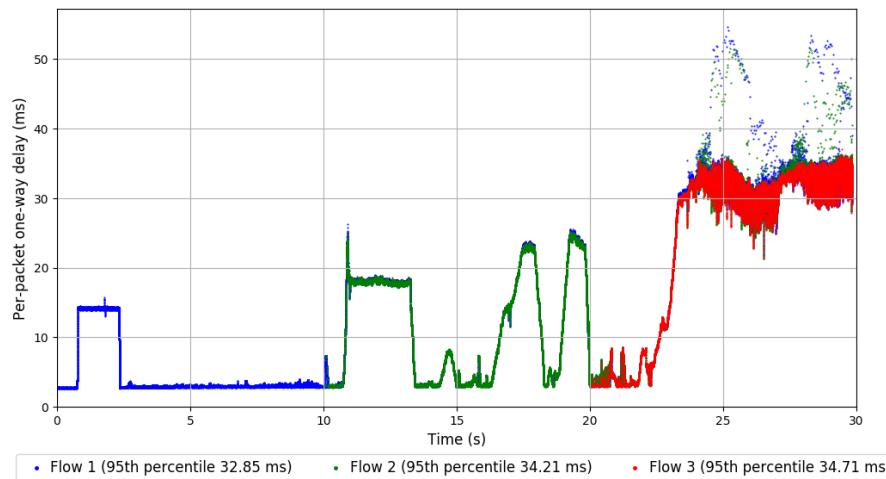
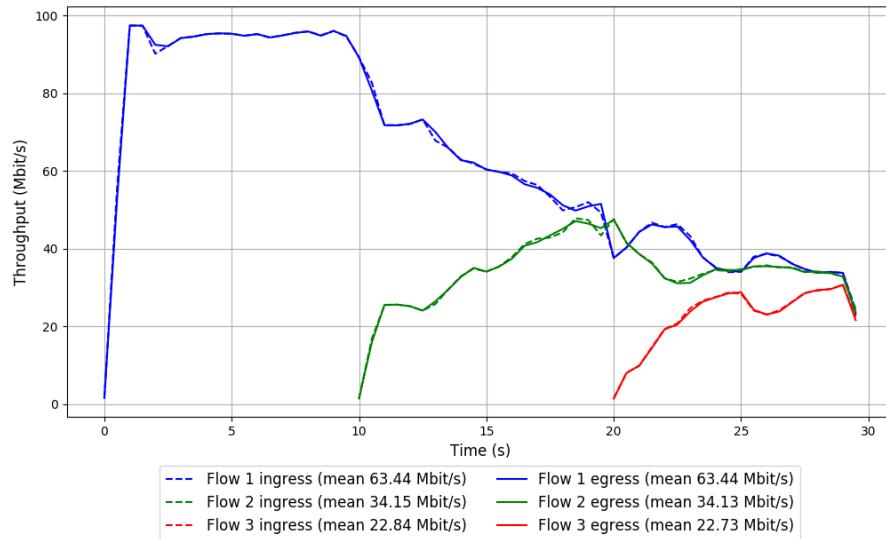


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-02-28 00:23:25
End at: 2018-02-28 00:23:55
Local clock offset: -0.913 ms
Remote clock offset: -6.334 ms

# Below is generated by plot.py at 2018-02-28 07:13:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 33.797 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 32.847 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 34.211 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 34.706 ms
Loss rate: 0.59%
```

Run 2: Report of Vivace-LTE — Data Link

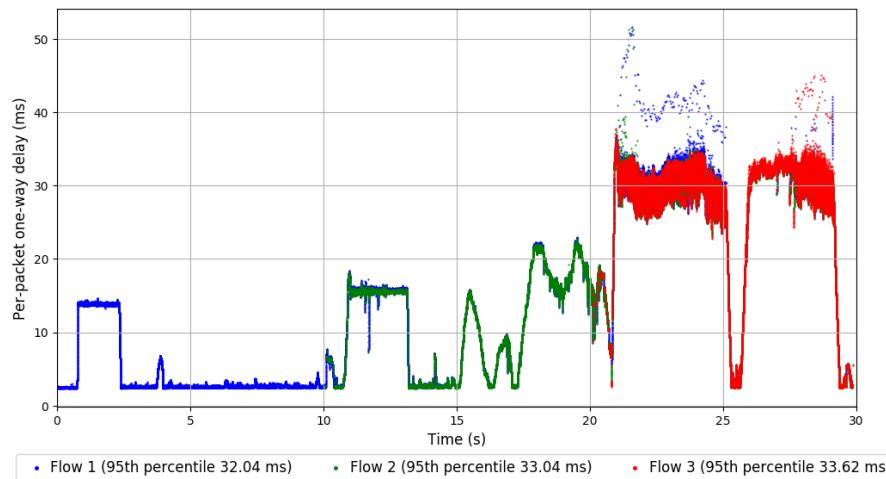
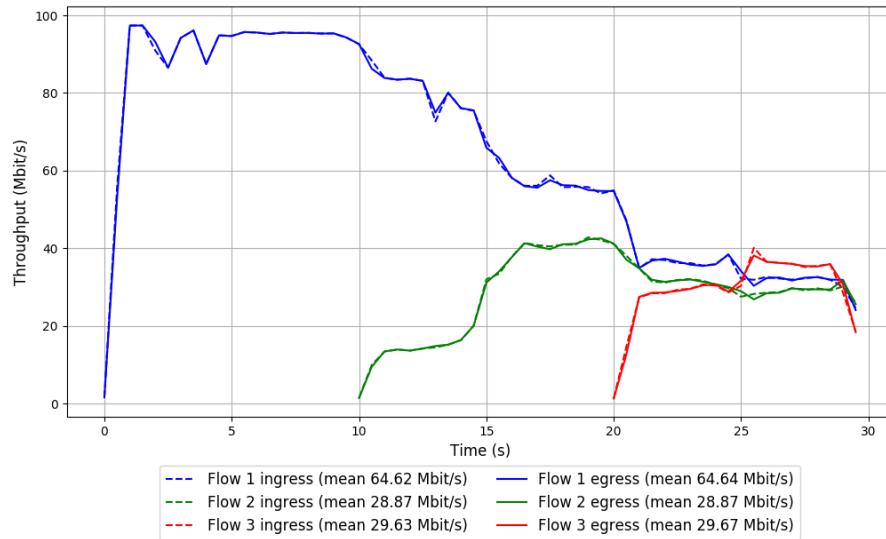


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-02-28 00:43:52
End at: 2018-02-28 00:44:22
Local clock offset: -8.488 ms
Remote clock offset: -6.089 ms

# Below is generated by plot.py at 2018-02-28 07:14:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 32.819 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 32.044 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 33.044 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 33.624 ms
Loss rate: 0.06%
```

Run 3: Report of Vivace-LTE — Data Link

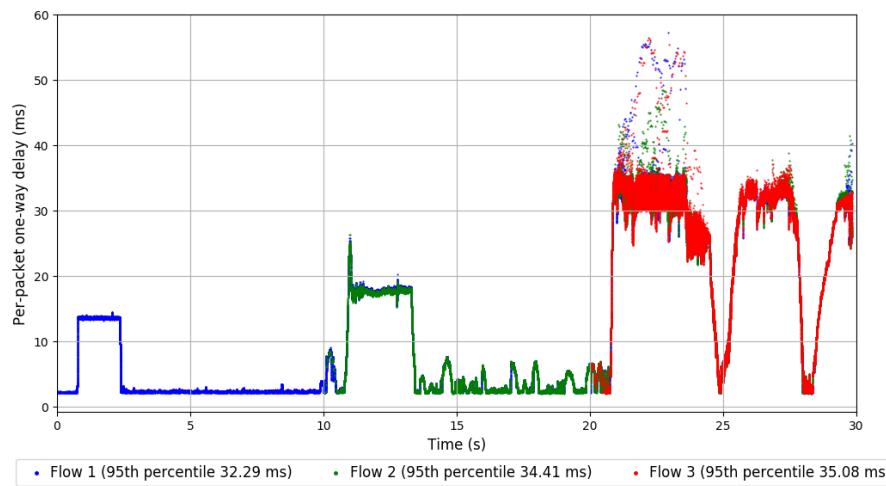
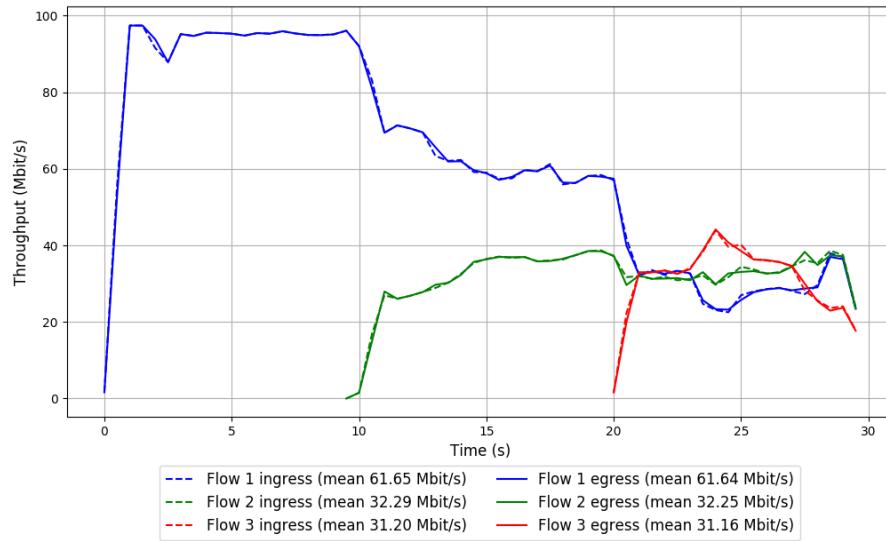


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-02-28 01:04:24
End at: 2018-02-28 01:04:54
Local clock offset: -8.369 ms
Remote clock offset: -7.705 ms

# Below is generated by plot.py at 2018-02-28 07:14:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 33.641 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 32.287 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 34.409 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 35.077 ms
Loss rate: 0.27%
```

Run 4: Report of Vivace-LTE — Data Link

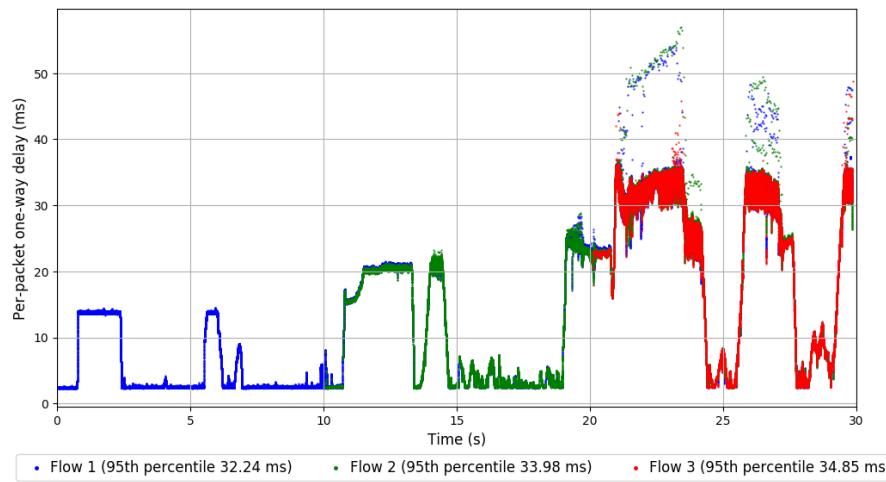
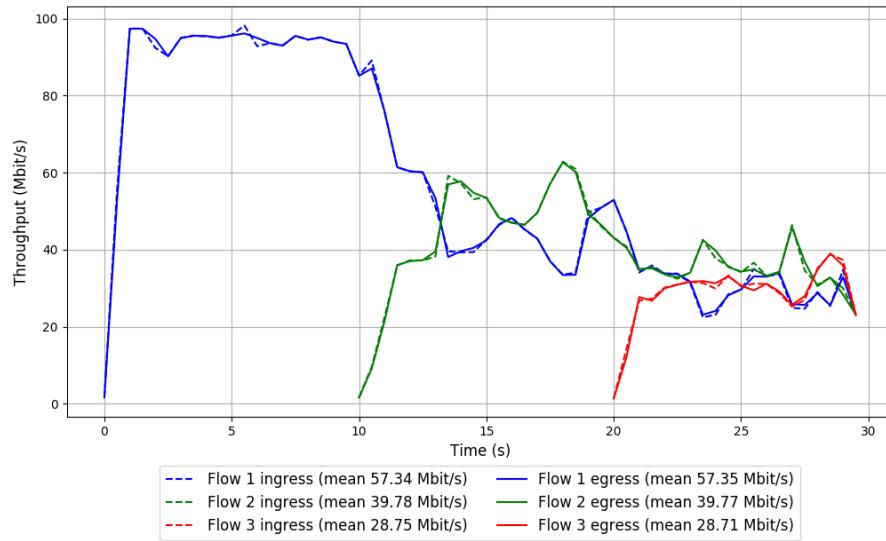


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-02-28 01:24:49
End at: 2018-02-28 01:25:19
Local clock offset: -8.348 ms
Remote clock offset: -7.643 ms

# Below is generated by plot.py at 2018-02-28 07:14:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 33.724 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 32.245 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 33.983 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 34.853 ms
Loss rate: 0.38%
```

Run 5: Report of Vivace-LTE — Data Link

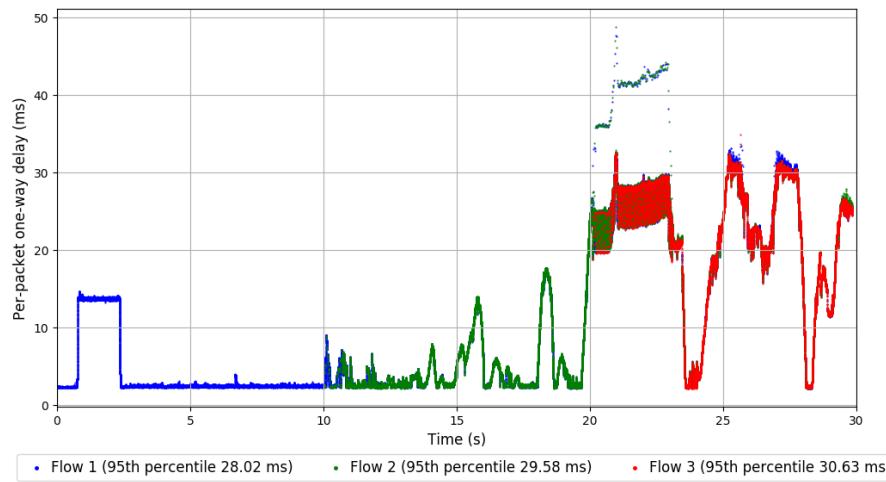
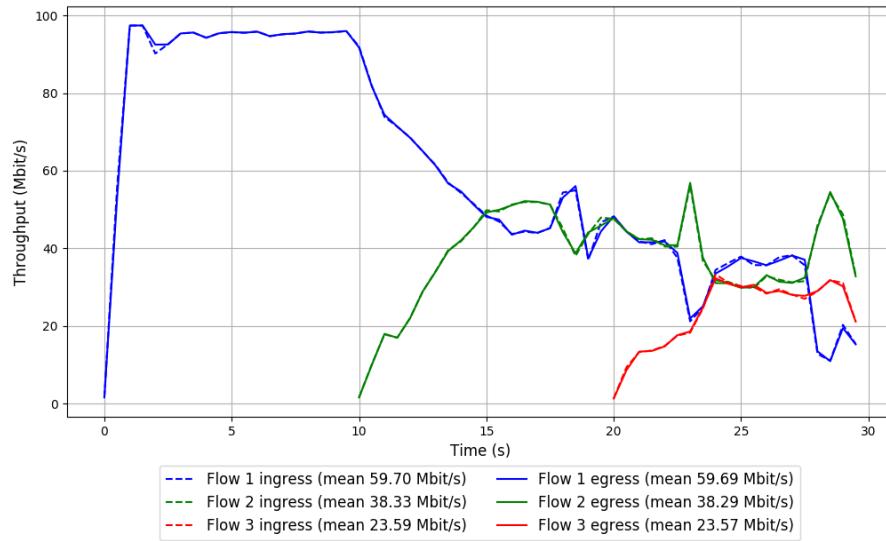


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-02-28 01:45:12
End at: 2018-02-28 01:45:42
Local clock offset: -3.53 ms
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2018-02-28 07:14:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 28.016 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 29.583 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 30.632 ms
Loss rate: 0.35%
```

Run 6: Report of Vivace-LTE — Data Link

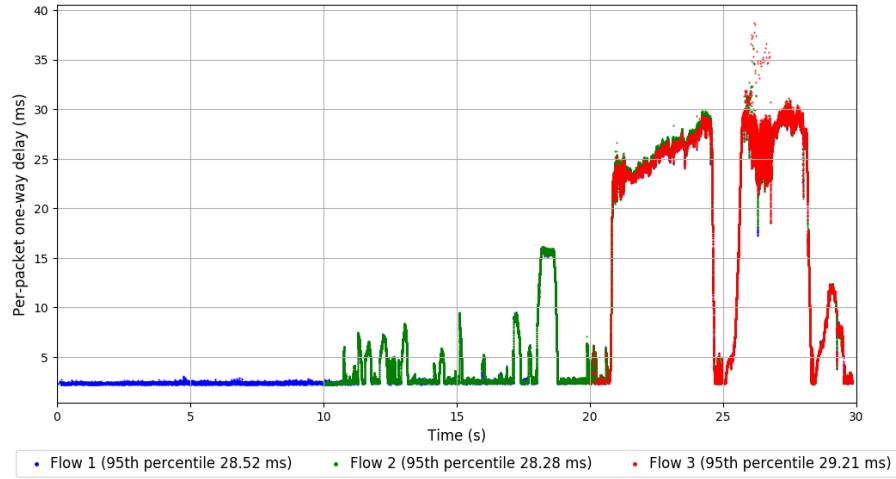
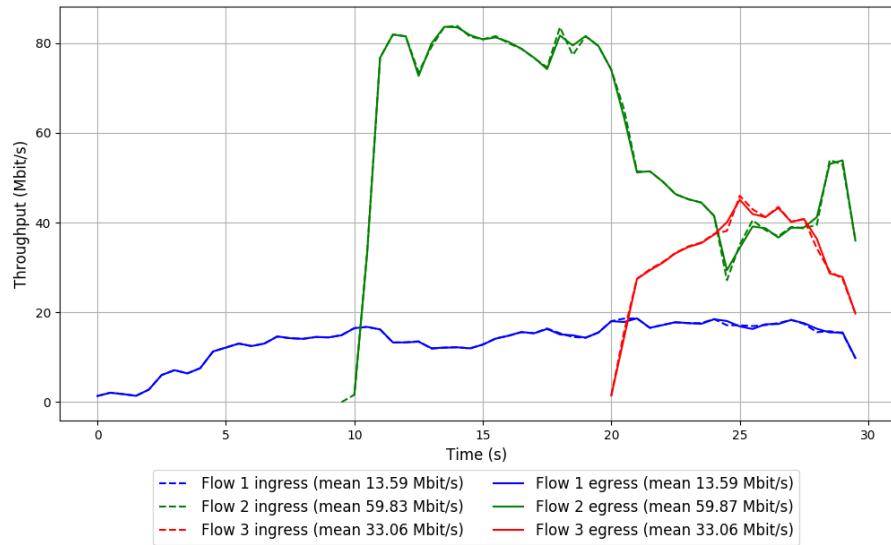


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-02-28 02:05:38
End at: 2018-02-28 02:06:08
Local clock offset: -2.58 ms
Remote clock offset: -6.236 ms

# Below is generated by plot.py at 2018-02-28 07:14:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 28.732 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 28.520 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 28.276 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 29.209 ms
Loss rate: 0.05%
```

Run 7: Report of Vivace-LTE — Data Link

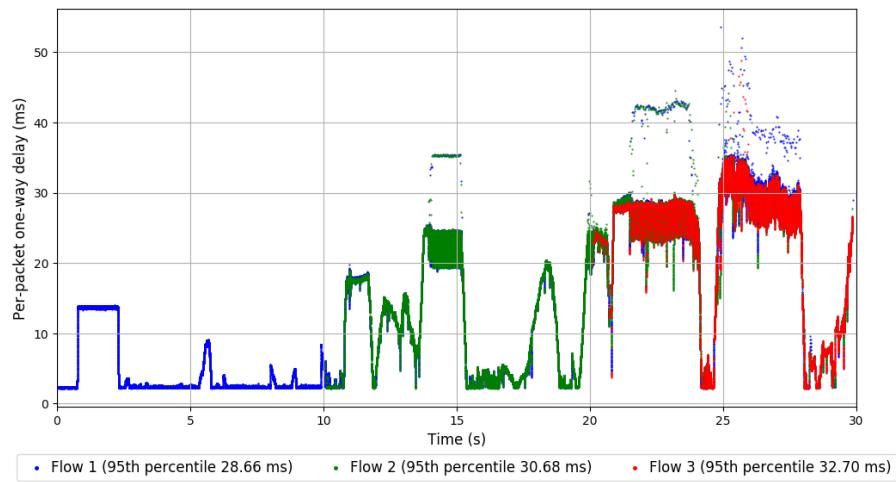
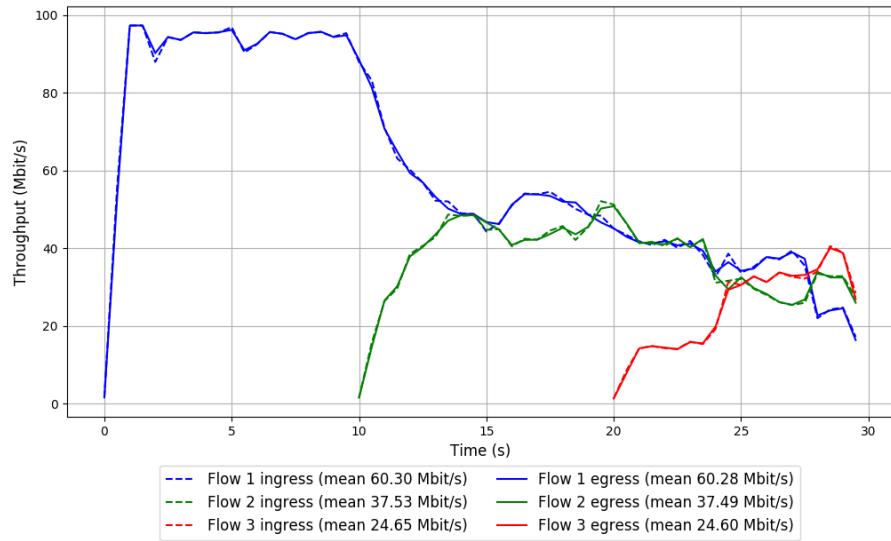


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-28 02:26:02
End at: 2018-02-28 02:26:32
Local clock offset: -3.621 ms
Remote clock offset: -6.206 ms

# Below is generated by plot.py at 2018-02-28 07:14:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.26 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.28 Mbit/s
95th percentile per-packet one-way delay: 28.658 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 30.684 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 32.697 ms
Loss rate: 0.48%
```

Run 8: Report of Vivace-LTE — Data Link

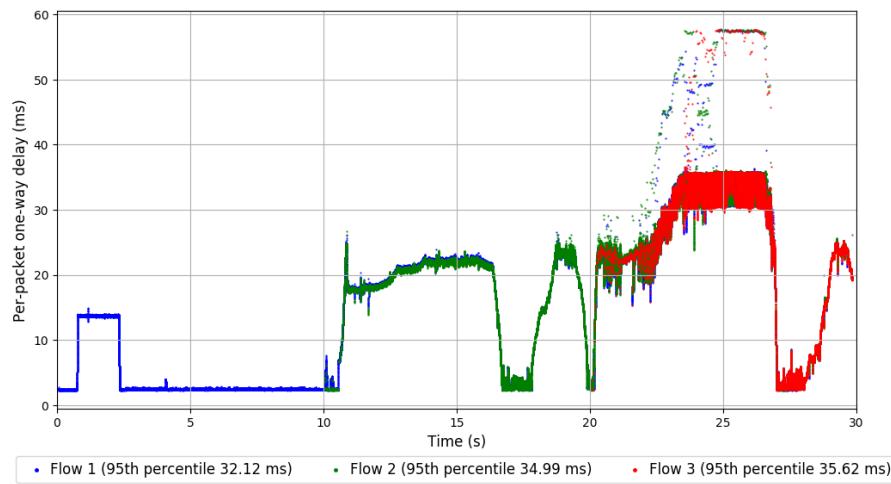
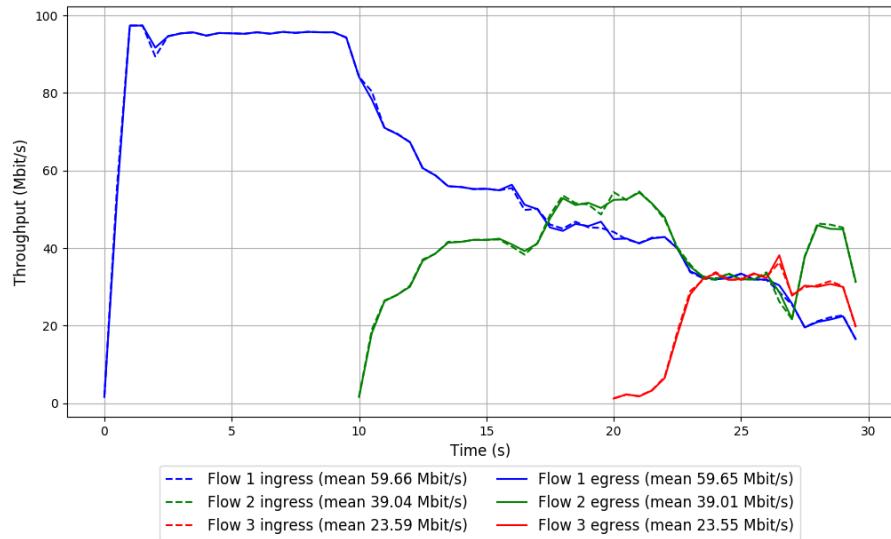


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-28 02:46:27
End at: 2018-02-28 02:46:57
Local clock offset: -5.114 ms
Remote clock offset: -7.084 ms

# Below is generated by plot.py at 2018-02-28 07:14:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 34.380 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 32.115 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 34.990 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 35.622 ms
Loss rate: 0.25%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-28 03:06:53
End at: 2018-02-28 03:07:23
Local clock offset: -6.56 ms
Remote clock offset: -7.201 ms

# Below is generated by plot.py at 2018-02-28 07:14:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 30.468 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 26.885 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 34.534 ms
Loss rate: 0.02%
```

Run 10: Report of Vivace-LTE — Data Link

