

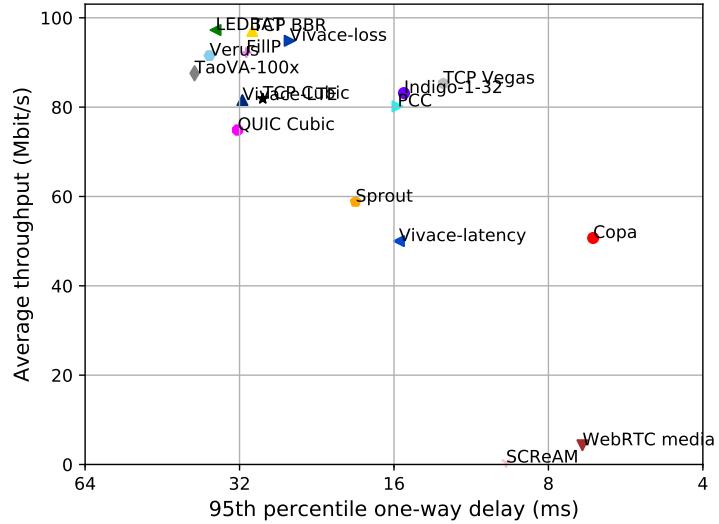
## Pantheon Report

Generated at 2018-02-01 05:04:43 (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.

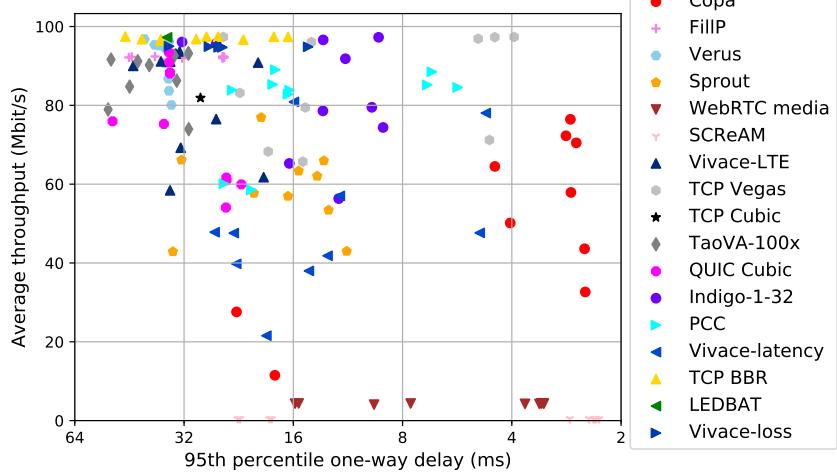
### Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
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 @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
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



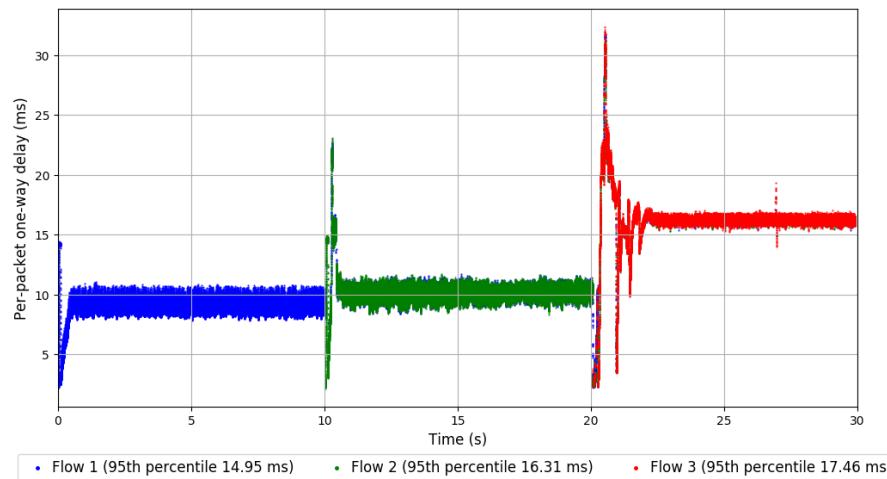
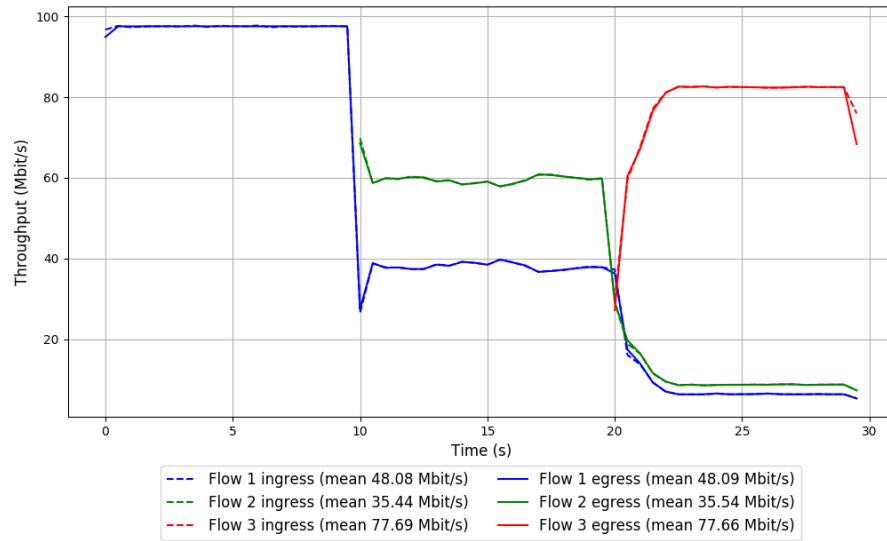
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	62.94	32.29	38.50	29.47	30.53	31.47	0.09	0.17	0.41
TCP Cubic	1	26.00	62.44	43.52	24.91	28.78	29.48	0.25	0.49	0.73
LEDBAT	1	69.00	29.17	26.93	34.71	35.49	36.33	0.08	0.74	1.21
PCC	10	59.62	25.87	10.35	15.54	16.04	16.44	0.13	0.26	0.56
QUIC Cubic	10	30.99	49.02	35.55	23.52	32.24	32.49	0.09	0.30	0.76
SCReAM	10	0.22	0.22	0.22	9.67	9.69	9.69	0.13	0.20	0.38
WebRTC media	10	2.30	1.41	0.61	6.83	6.85	7.00	0.21	0.30	1.02
Sprout	10	28.01	32.56	27.71	18.38	18.96	20.40	0.12	0.22	0.51
TaoVA-100x	10	51.71	38.24	31.84	38.83	39.17	39.26	0.11	0.29	0.69
TCP Vegas	10	46.11	34.74	49.09	14.12	10.74	10.41	0.01	0.08	0.12
Verus	10	55.44	38.64	31.75	35.22	36.84	37.53	0.13	0.32	0.53
Copa	10	25.28	25.77	25.04	6.45	6.93	6.71	0.07	0.11	0.20
FillP	10	56.08	39.12	30.72	30.18	31.24	31.98	0.24	2.20	5.66
Indigo-1-32	10	35.72	40.67	62.81	14.80	15.48	15.07	0.04	0.06	0.20
Vivace-latency	10	26.07	30.59	11.04	12.86	16.65	18.36	0.16	0.43	0.65
Vivace-loss	6	75.07	16.51	26.97	25.29	25.58	25.75	0.49	0.75	4.52
Vivace-LTE	10	44.80	41.37	28.05	30.46	31.73	32.49	0.16	0.27	0.86

Run 1: Statistics of TCP BBR

```
Start at: 2018-01-31 21:31:10
End at: 2018-01-31 21:31:40
Local clock offset: -0.045 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-02-01 04:42:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 16.549 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 14.945 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 16.307 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.66%
```

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

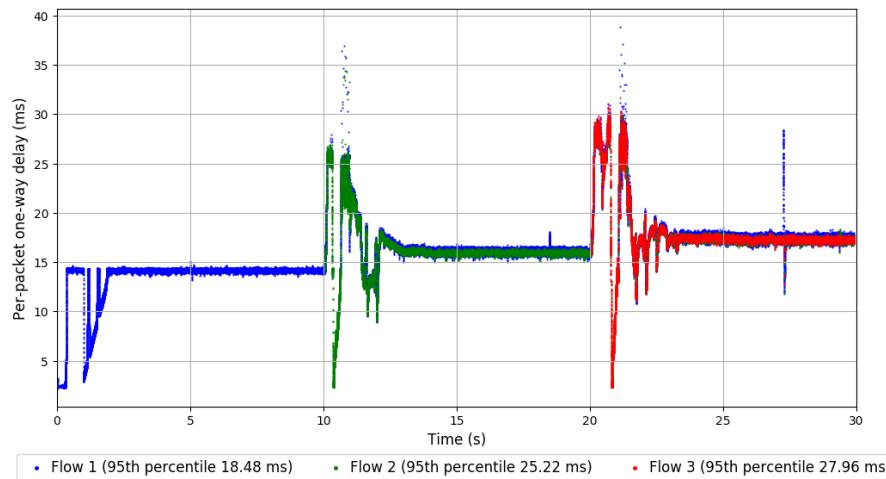
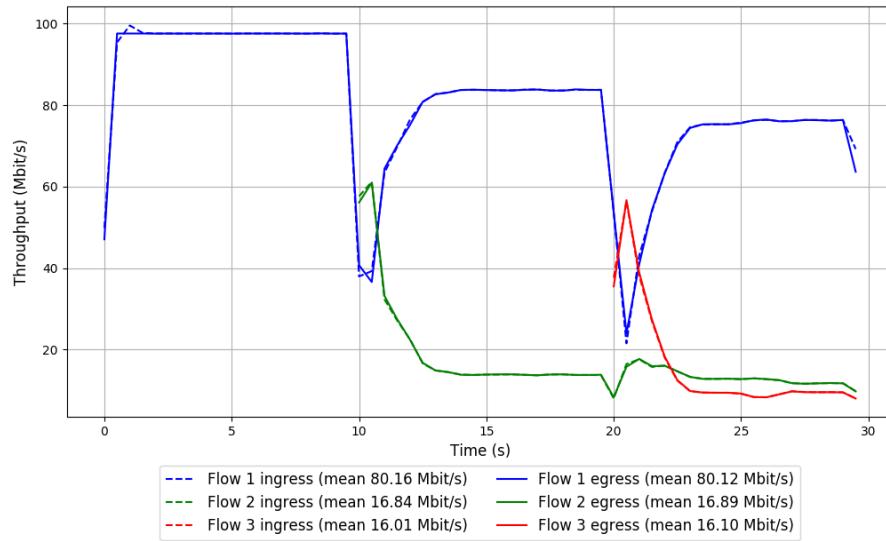


Run 2: Statistics of TCP BBR

```
Start at: 2018-01-31 21:53:21
End at: 2018-01-31 21:53:51
Local clock offset: -0.065 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-02-01 04:42:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 21.967 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 18.479 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 16.89 Mbit/s
95th percentile per-packet one-way delay: 25.216 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 27.961 ms
Loss rate: 0.12%
```

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

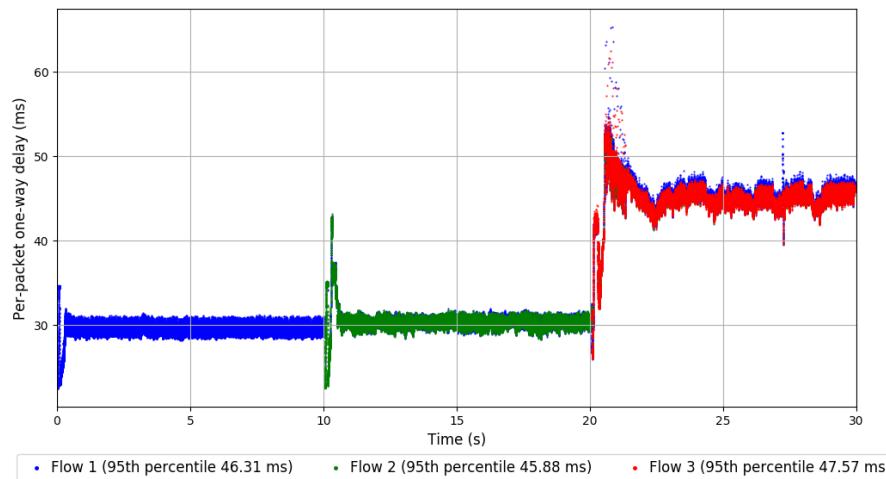
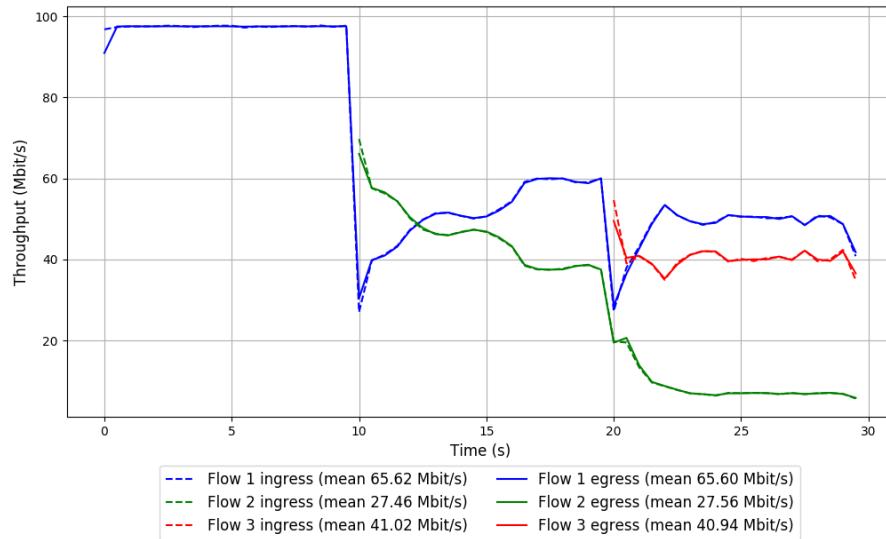


Run 3: Statistics of TCP BBR

```
Start at: 2018-01-31 22:14:49
End at: 2018-01-31 22:15:19
Local clock offset: -0.026 ms
Remote clock offset: -20.033 ms

# Below is generated by plot.py at 2018-02-01 04:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 46.446 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 65.60 Mbit/s
95th percentile per-packet one-way delay: 46.313 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 45.878 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 47.574 ms
Loss rate: 0.31%
```

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

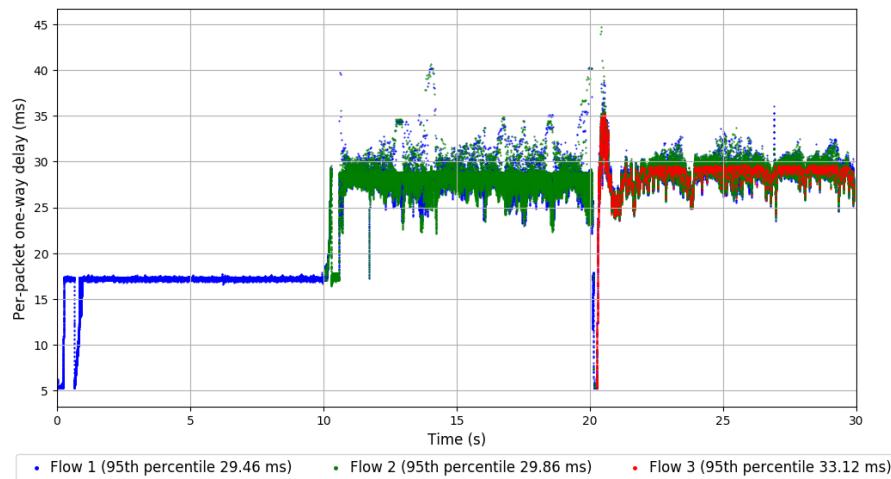
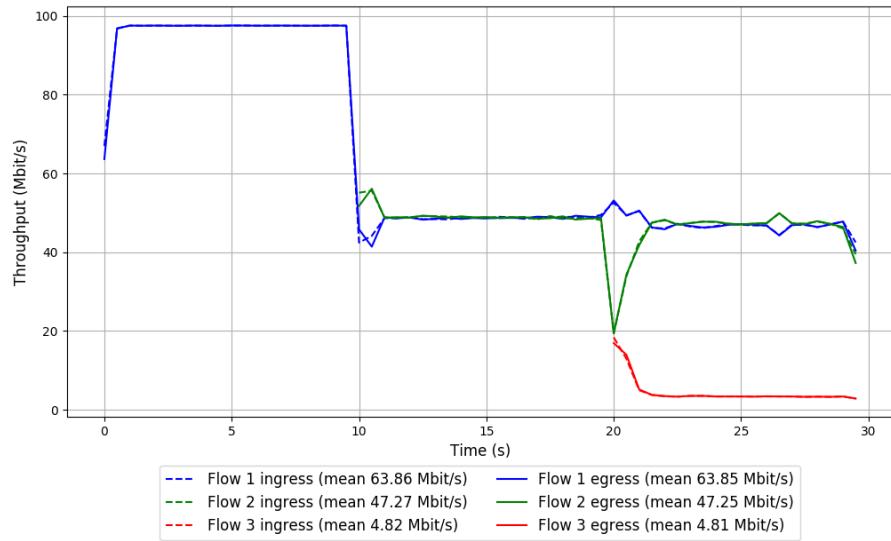


Run 4: Statistics of TCP BBR

```
Start at: 2018-01-31 22:36:11
End at: 2018-01-31 22:36:41
Local clock offset: -0.002 ms
Remote clock offset: -2.421 ms

# Below is generated by plot.py at 2018-02-01 04:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 29.626 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 29.464 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 47.25 Mbit/s
95th percentile per-packet one-way delay: 29.860 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 33.118 ms
Loss rate: 0.21%
```

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

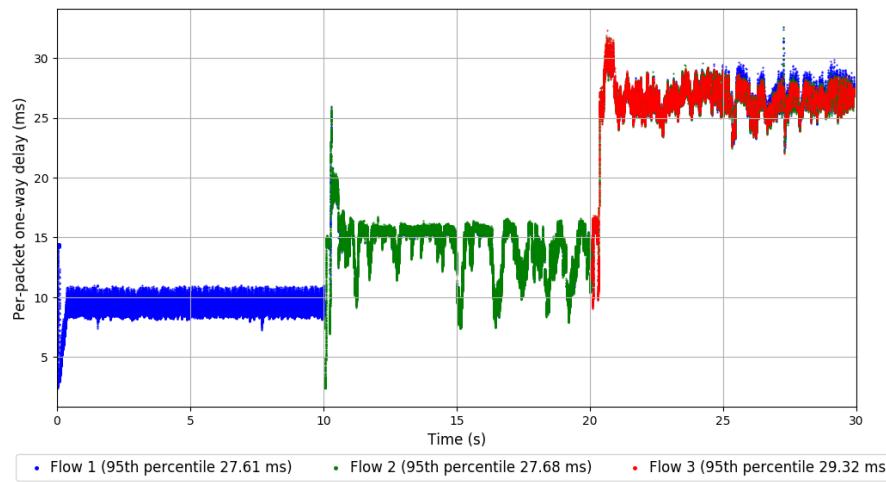
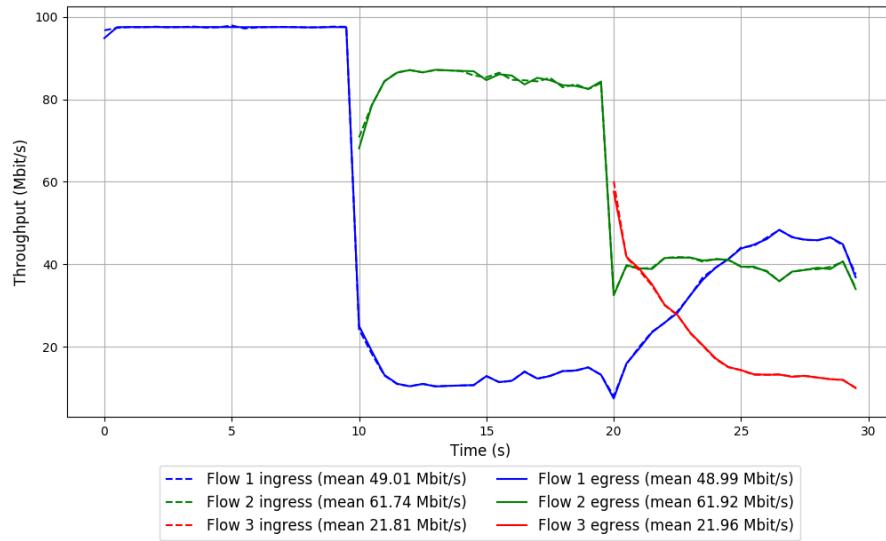


Run 5: Statistics of TCP BBR

```
Start at: 2018-01-31 22:57:57
End at: 2018-01-31 22:58:27
Local clock offset: -0.014 ms
Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2018-02-01 04:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 27.754 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 27.612 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 27.678 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 29.317 ms
Loss rate: 0.17%
```

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

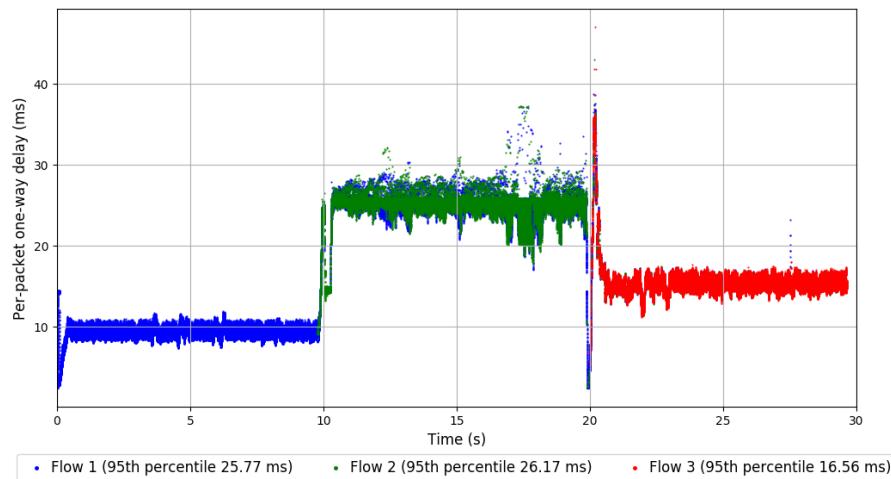
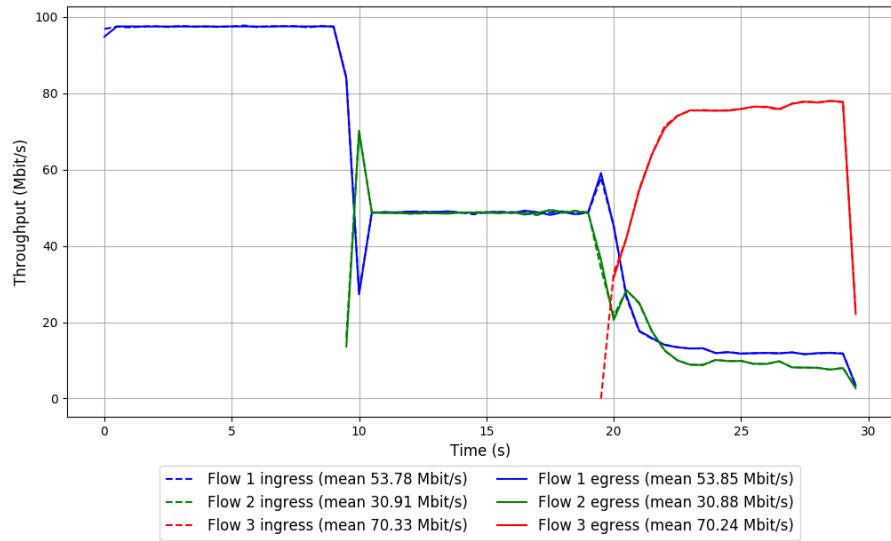


Run 6: Statistics of TCP BBR

```
Start at: 2018-01-31 23:19:50
End at: 2018-01-31 23:20:20
Local clock offset: -0.028 ms
Remote clock offset: 0.586 ms

# Below is generated by plot.py at 2018-02-01 04:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 25.801 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 25.774 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 26.170 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 16.563 ms
Loss rate: 0.22%
```

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

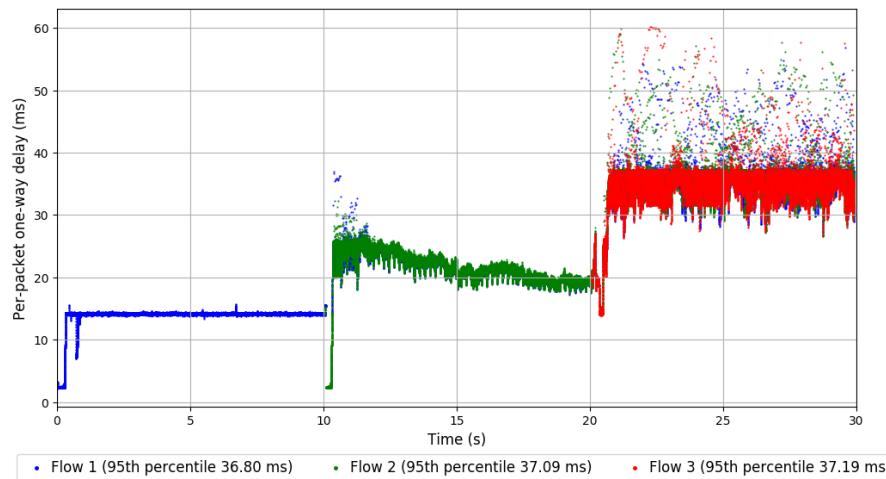
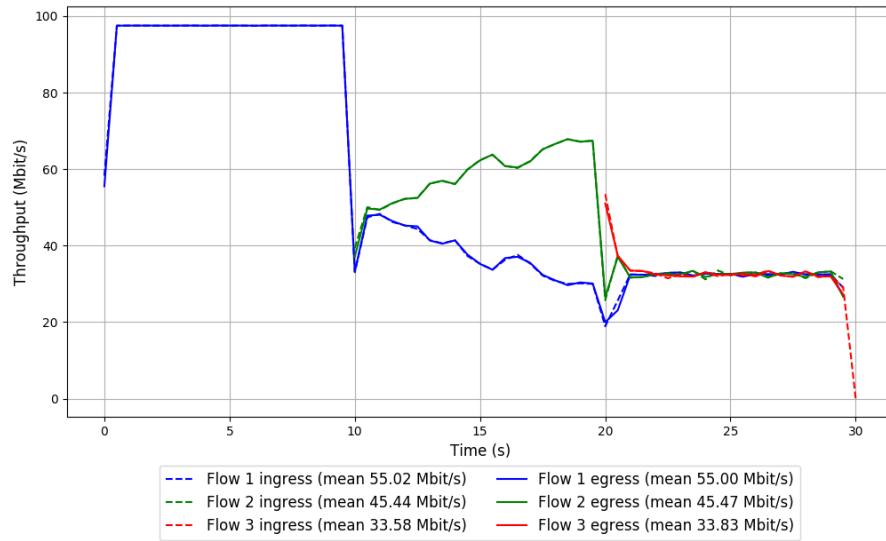


Run 7: Statistics of TCP BBR

```
Start at: 2018-01-31 23:41:37
End at: 2018-01-31 23:42:07
Local clock offset: -0.064 ms
Remote clock offset: 0.524 ms

# Below is generated by plot.py at 2018-02-01 04:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 37.038 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 36.803 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 37.092 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 37.194 ms
Loss rate: 0.62%
```

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

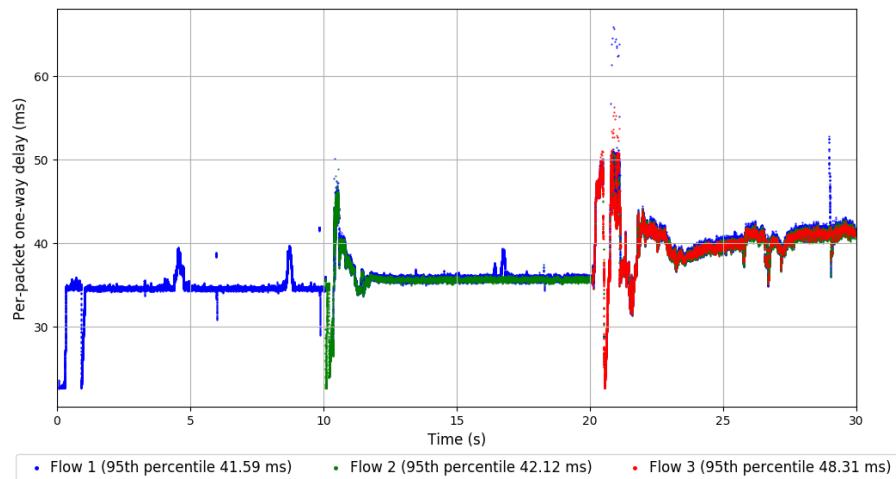
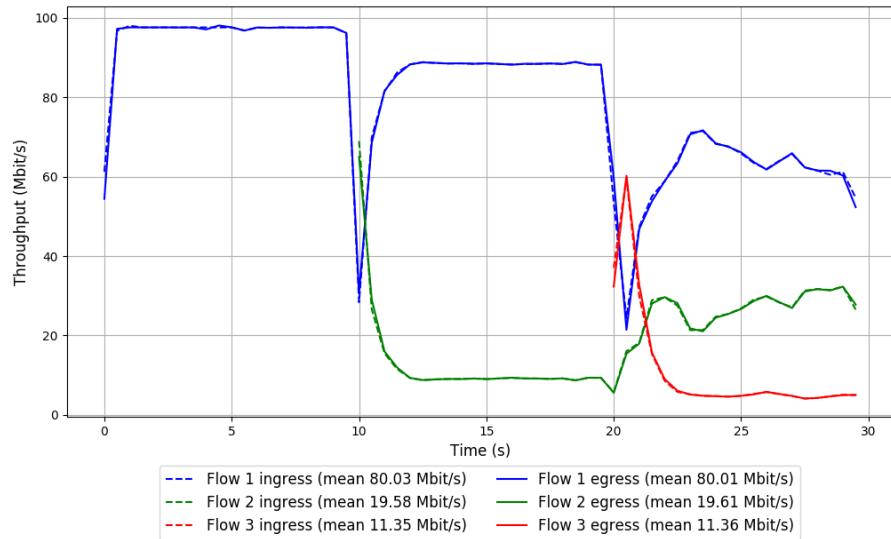


Run 8: Statistics of TCP BBR

```
Start at: 2018-02-01 00:03:41
End at: 2018-02-01 00:04:11
Local clock offset: 0.073 ms
Remote clock offset: -19.624 ms

# Below is generated by plot.py at 2018-02-01 04:42:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 41.808 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.01 Mbit/s
95th percentile per-packet one-way delay: 41.588 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 42.115 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 48.306 ms
Loss rate: 0.16%
```

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

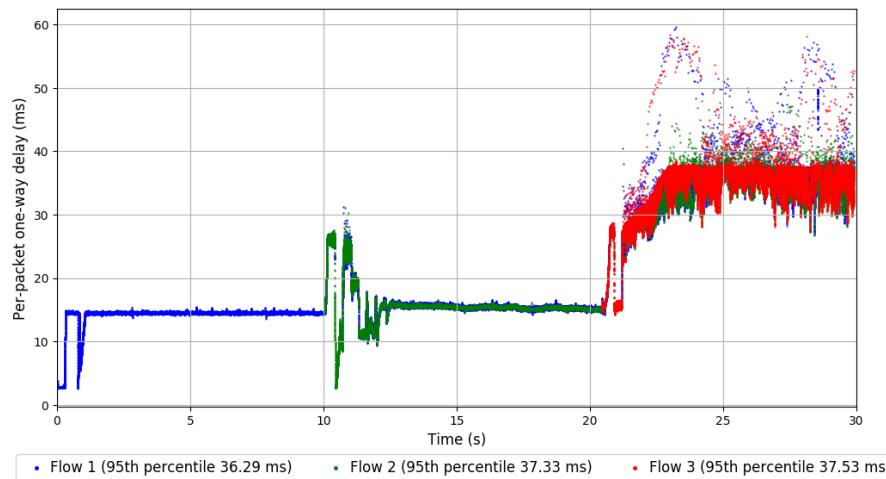
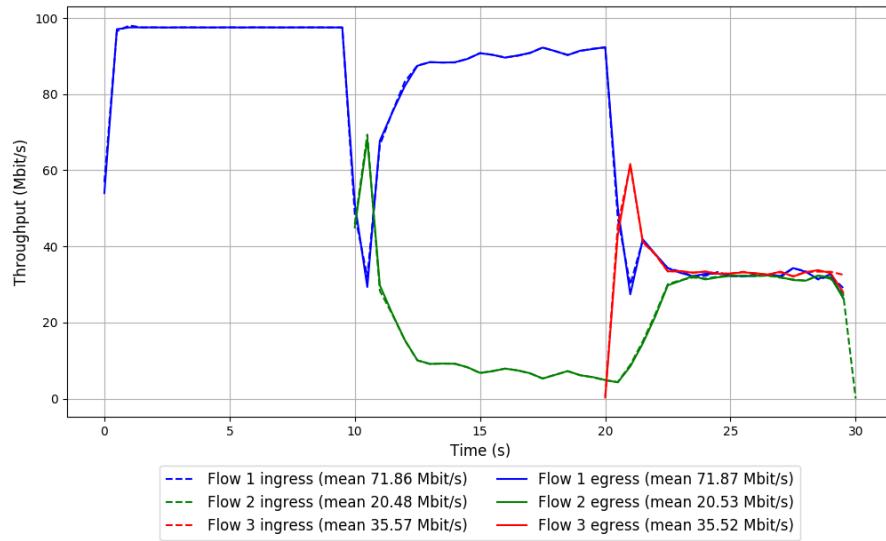


Run 9: Statistics of TCP BBR

```
Start at: 2018-02-01 00:25:31
End at: 2018-02-01 00:26:01
Local clock offset: 0.277 ms
Remote clock offset: 0.778 ms

# Below is generated by plot.py at 2018-02-01 04:44:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 37.080 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 71.87 Mbit/s
95th percentile per-packet one-way delay: 36.293 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 37.325 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 37.530 ms
Loss rate: 1.00%
```

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

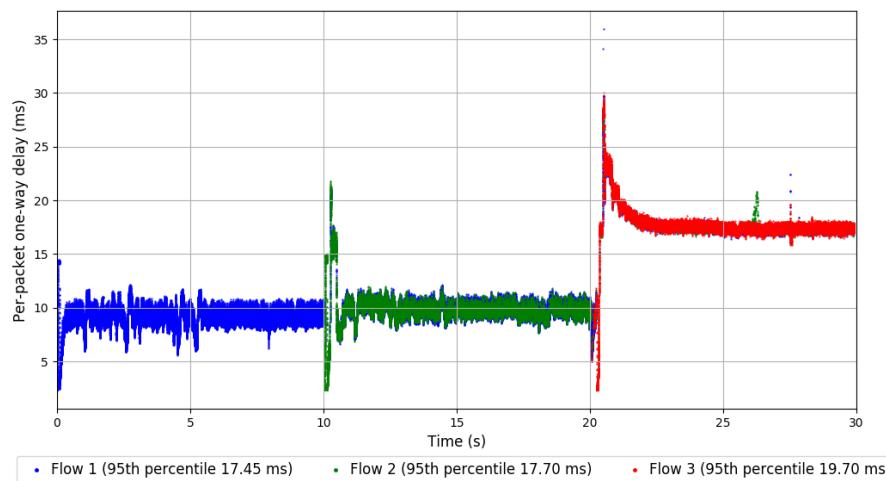
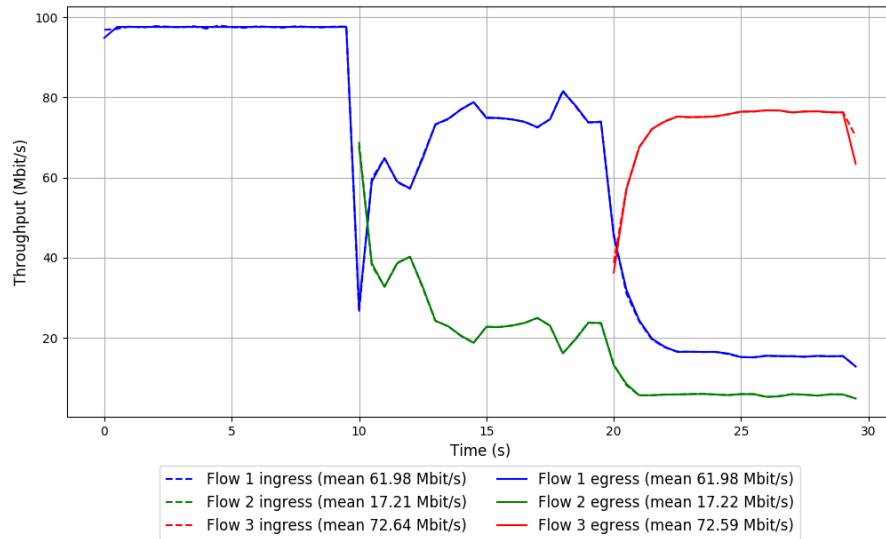


Run 10: Statistics of TCP BBR

```
Start at: 2018-02-01 00:47:15
End at: 2018-02-01 00:47:45
Local clock offset: 0.417 ms
Remote clock offset: 1.228 ms

# Below is generated by plot.py at 2018-02-01 04:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 18.109 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 17.447 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 17.695 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 72.59 Mbit/s
95th percentile per-packet one-way delay: 19.704 ms
Loss rate: 0.66%
```

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

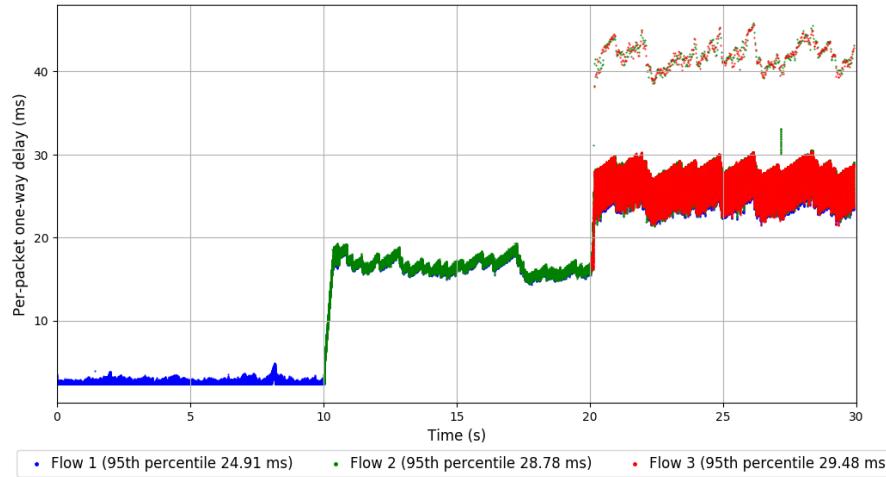
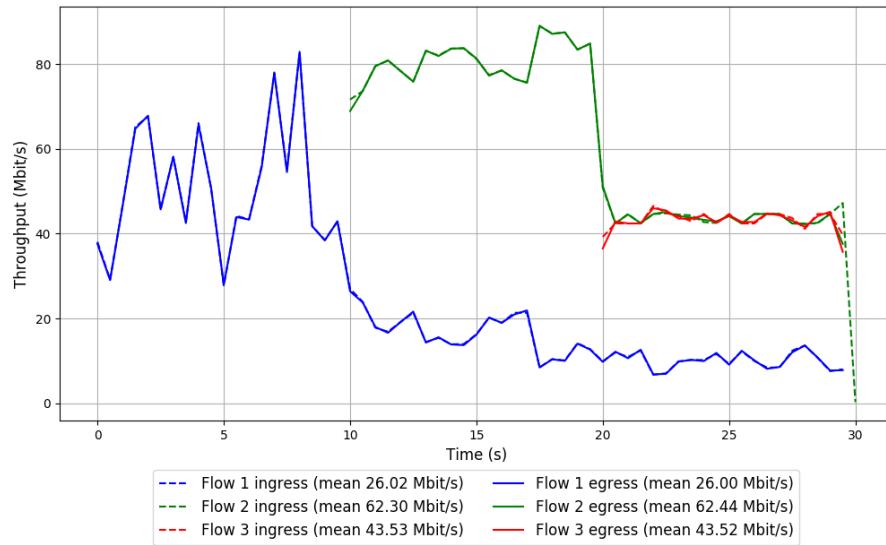


```
Run 1: Statistics of TCP Cubic

Start at: 2018-01-31 21:28:46
End at: 2018-01-31 21:29:16
Local clock offset: -0.042 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-02-01 04:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 28.833 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 24.912 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 28.777 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 43.52 Mbit/s
95th percentile per-packet one-way delay: 29.476 ms
Loss rate: 0.73%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-01-31 21:50:57

End at: 2018-01-31 21:51:27

Local clock offset: 0.006 ms

Remote clock offset: -0.044 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

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Run 3: Statistics of TCP Cubic

Start at: 2018-01-31 22:12:26  
End at: 2018-01-31 22:12:56  
Local clock offset: -0.095 ms  
Remote clock offset: -14.519 ms

Run 3: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-01-31 22:33:47

End at: 2018-01-31 22:34:17

Local clock offset: -0.017 ms

Remote clock offset: -1.53 ms

Run 4: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-01-31 22:55:34  
End at: 2018-01-31 22:56:04  
Local clock offset: -0.052 ms  
Remote clock offset: -19.125 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2018-01-31 23:17:22  
End at: 2018-01-31 23:17:52  
Local clock offset: -0.031 ms  
Remote clock offset: -19.883 ms

Run 6: Report of TCP Cubic — Data Link

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Run 7: Statistics of TCP Cubic

Start at: 2018-01-31 23:39:13  
End at: 2018-01-31 23:39:43  
Local clock offset: -0.058 ms  
Remote clock offset: -11.833 ms

Run 7: Report of TCP Cubic — Data Link

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Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-02-01 00:01:12

End at: 2018-02-01 00:01:42

Local clock offset: 0.042 ms

Remote clock offset: 0.684 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-02-01 00:23:02  
End at: 2018-02-01 00:23:32  
Local clock offset: 0.157 ms  
Remote clock offset: -19.388 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-02-01 00:44:50

End at: 2018-02-01 00:45:20

Local clock offset: 0.38 ms

Remote clock offset: -8.189 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-01-31 21:47:21  
End at: 2018-01-31 21:47:51  
Local clock offset: -0.078 ms  
Remote clock offset: -0.067 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2018-01-31 22:08:47  
End at: 2018-01-31 22:09:17  
Local clock offset: -0.038 ms  
Remote clock offset: 0.198 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2018-01-31 22:30:13  
End at: 2018-01-31 22:30:43  
Local clock offset: 0.001 ms  
Remote clock offset: 0.447 ms

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-01-31 22:51:57  
End at: 2018-01-31 22:52:27  
Local clock offset: 0.0 ms  
Remote clock offset: -18.979 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

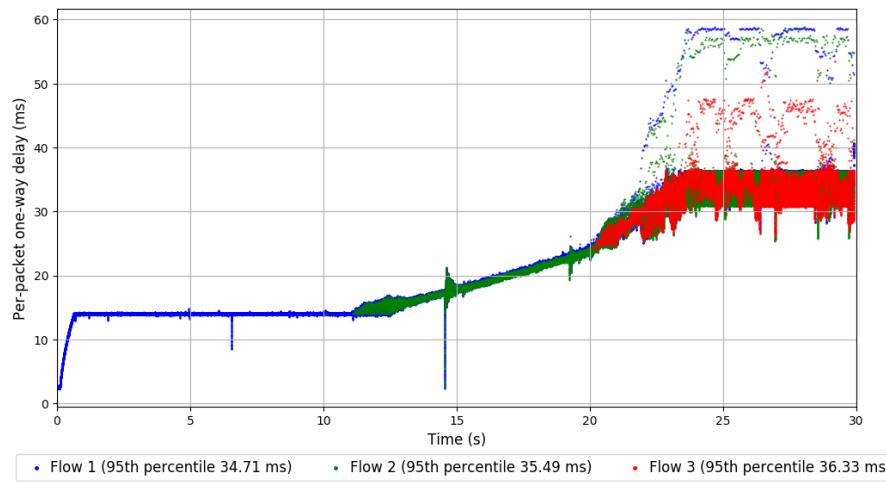
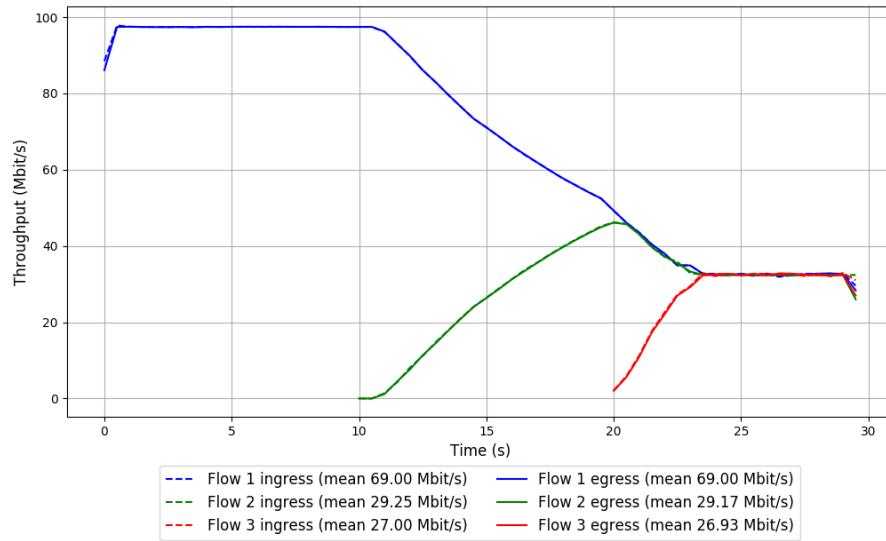
Figure is missing

Run 5: Statistics of LEDBAT

```
Start at: 2018-01-31 23:13:39
End at: 2018-01-31 23:14:09
Local clock offset: -0.019 ms
Remote clock offset: 0.633 ms

# Below is generated by plot.py at 2018-02-01 04:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 35.642 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 34.711 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 35.491 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 36.329 ms
Loss rate: 1.21%
```

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-01-31 23:35:28  
End at: 2018-01-31 23:35:58  
Local clock offset: -0.036 ms  
Remote clock offset: -9.877 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-01-31 23:57:15  
End at: 2018-01-31 23:57:45  
Local clock offset: 0.035 ms  
Remote clock offset: -2.283 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-02-01 00:19:16  
End at: 2018-02-01 00:19:46  
Local clock offset: 0.148 ms  
Remote clock offset: -11.672 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-02-01 00:41:12  
End at: 2018-02-01 00:41:42  
Local clock offset: 0.375 ms  
Remote clock offset: -9.596 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-02-01 01:03:16

End at: 2018-02-01 01:03:46

Local clock offset: 0.491 ms

Remote clock offset: 0.627 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

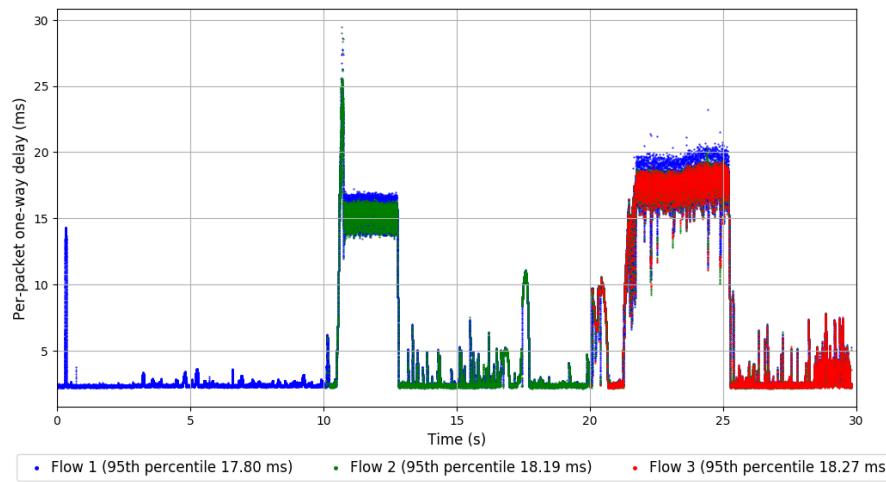
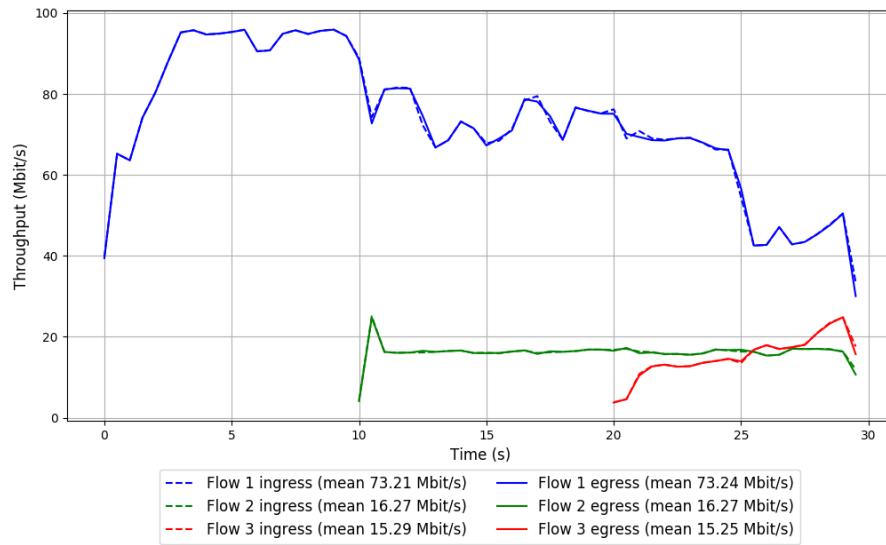
Figure is missing

```
Run 1: Statistics of PCC

Start at: 2018-01-31 21:35:57
End at: 2018-01-31 21:36:27
Local clock offset: -0.046 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-02-01 04:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 17.934 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 17.800 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 18.190 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 18.273 ms
Loss rate: 0.72%
```

## Run 1: Report of PCC — Data Link

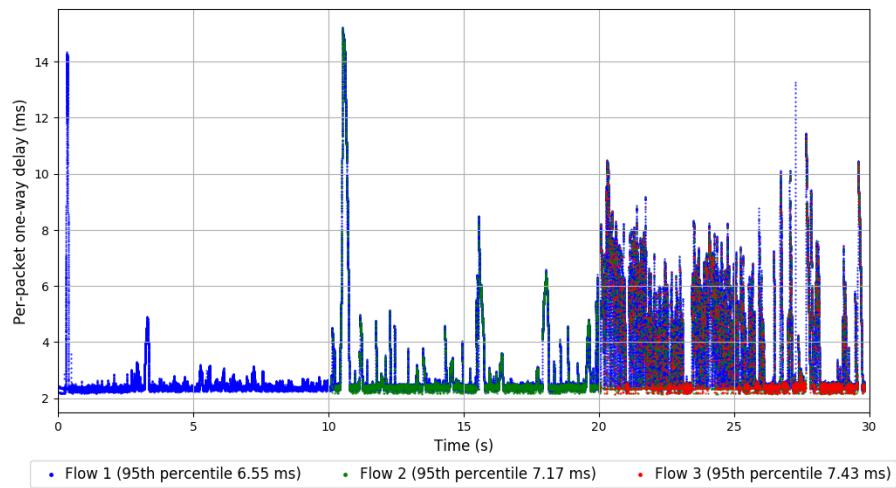
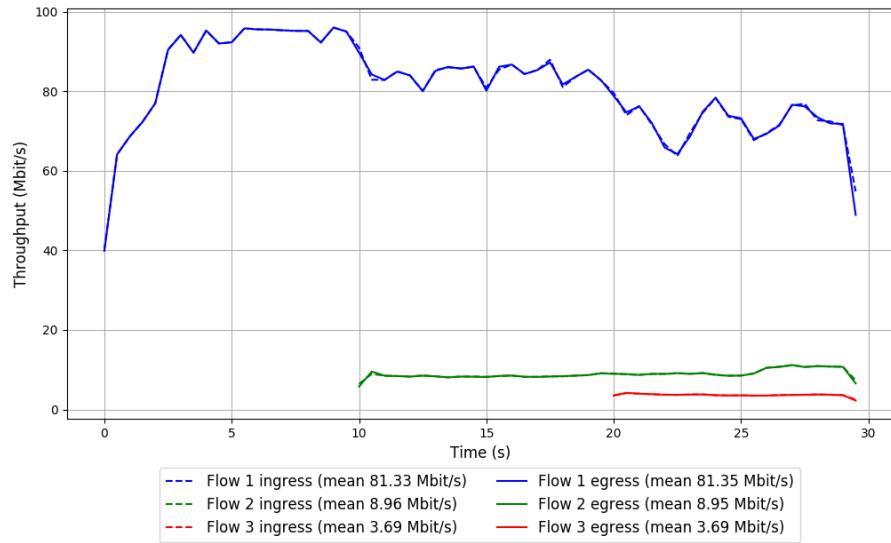


Run 2: Statistics of PCC

```
Start at: 2018-01-31 21:58:08
End at: 2018-01-31 21:58:38
Local clock offset: -0.02 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2018-02-01 04:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 6.642 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 6.548 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 7.174 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 7.429 ms
Loss rate: 0.40%
```

## Run 2: Report of PCC — Data Link

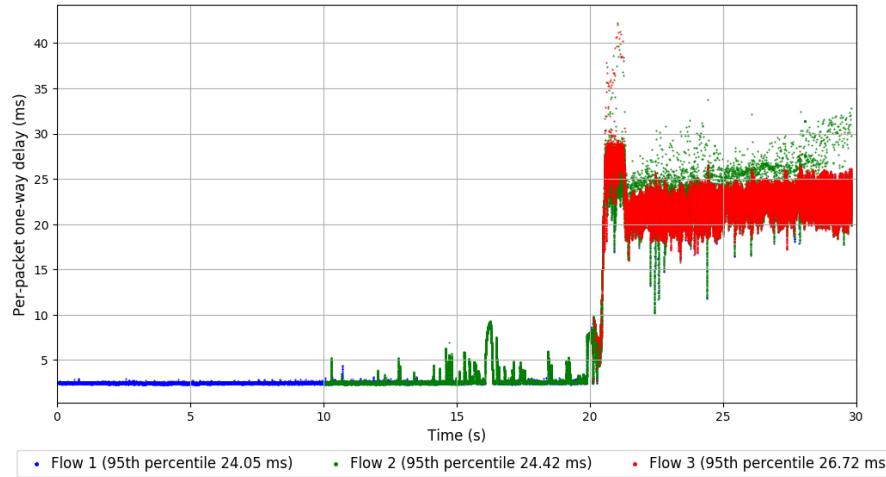
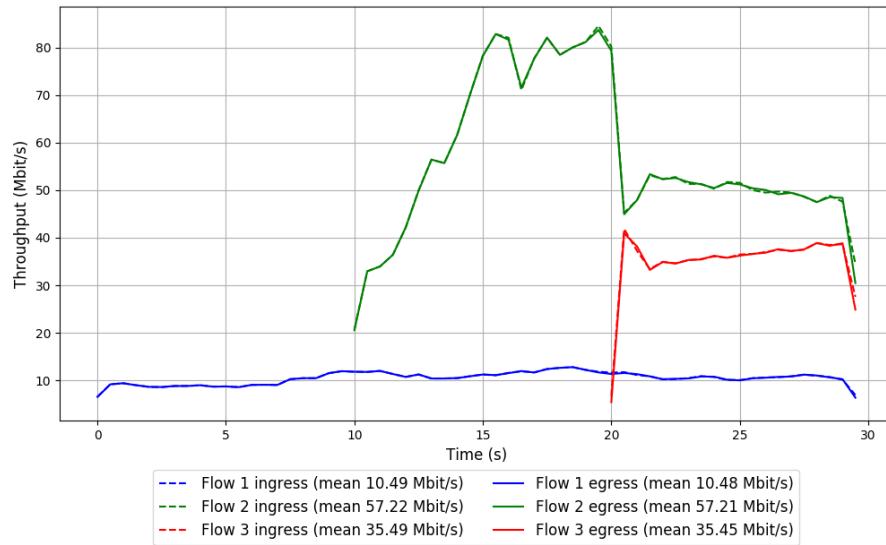


Run 3: Statistics of PCC

```
Start at: 2018-01-31 22:19:35
End at: 2018-01-31 22:20:05
Local clock offset: -0.071 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-02-01 04:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.11 Mbit/s
95th percentile per-packet one-way delay: 24.847 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 24.421 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 26.724 ms
Loss rate: 0.63%
```

### Run 3: Report of PCC — Data Link

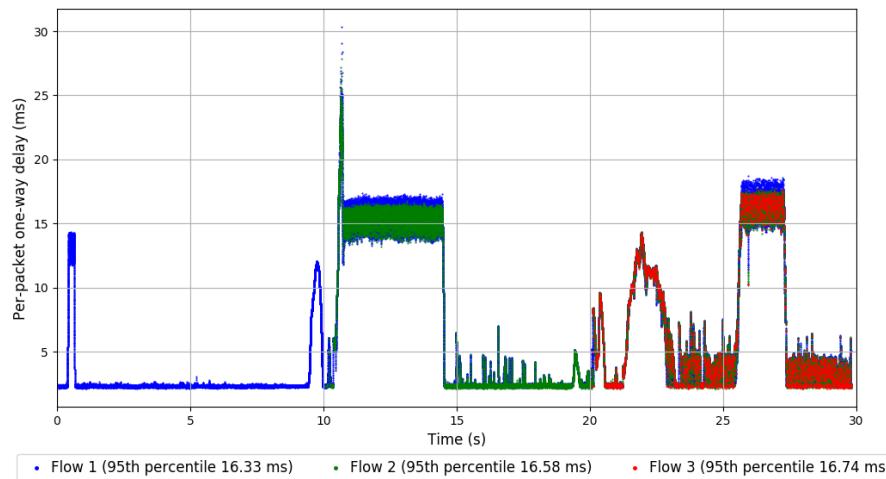
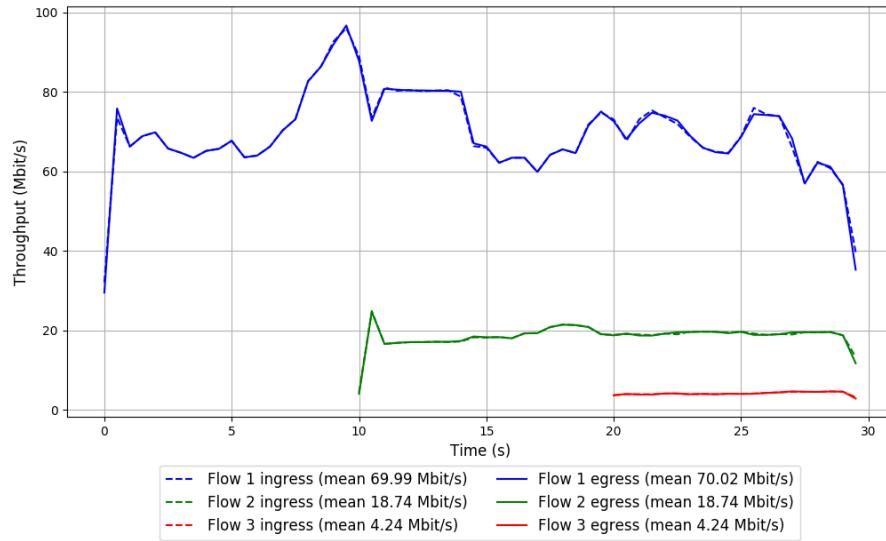


Run 4: Statistics of PCC

```
Start at: 2018-01-31 22:40:54
End at: 2018-01-31 22:41:24
Local clock offset: -0.024 ms
Remote clock offset: 0.586 ms

# Below is generated by plot.py at 2018-02-01 04:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 16.373 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 16.329 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 18.74 Mbit/s
95th percentile per-packet one-way delay: 16.582 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 16.744 ms
Loss rate: 0.43%
```

## Run 4: Report of PCC — Data Link

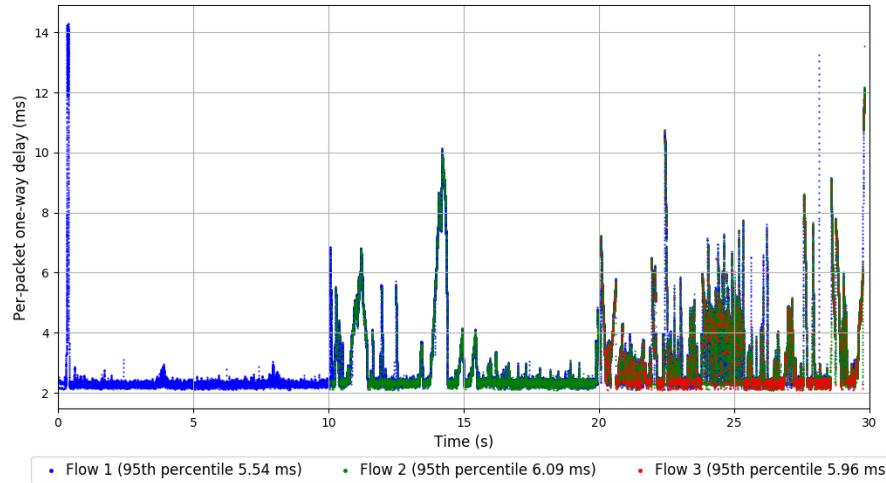
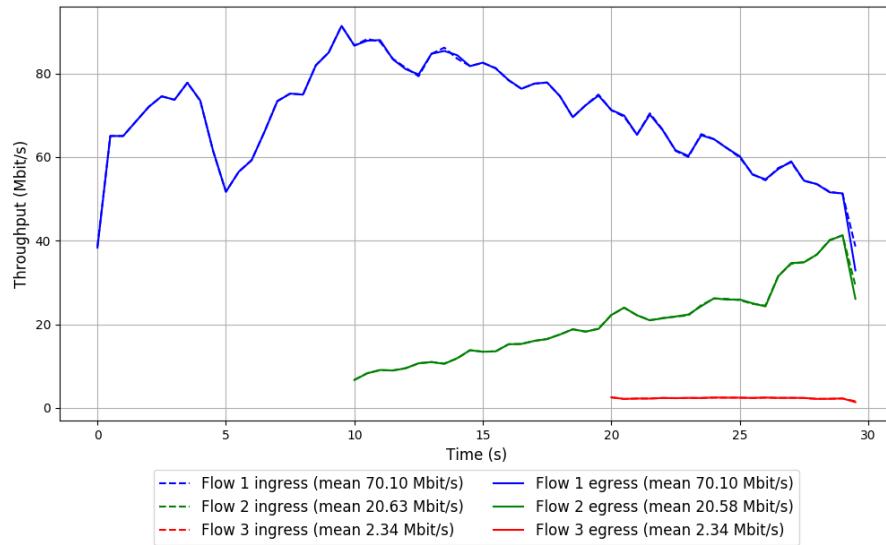


Run 5: Statistics of PCC

```
Start at: 2018-01-31 23:02:48
End at: 2018-01-31 23:03:18
Local clock offset: -0.071 ms
Remote clock offset: 0.657 ms

# Below is generated by plot.py at 2018-02-01 04:45:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.54 Mbit/s
95th percentile per-packet one-way delay: 5.639 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 70.10 Mbit/s
95th percentile per-packet one-way delay: 5.537 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 6.090 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 5.960 ms
Loss rate: 0.47%
```

Run 5: Report of PCC — Data Link

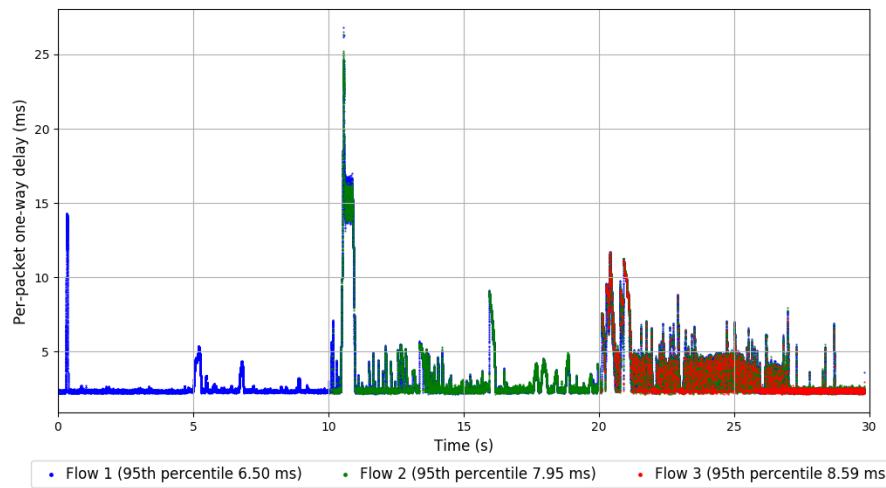
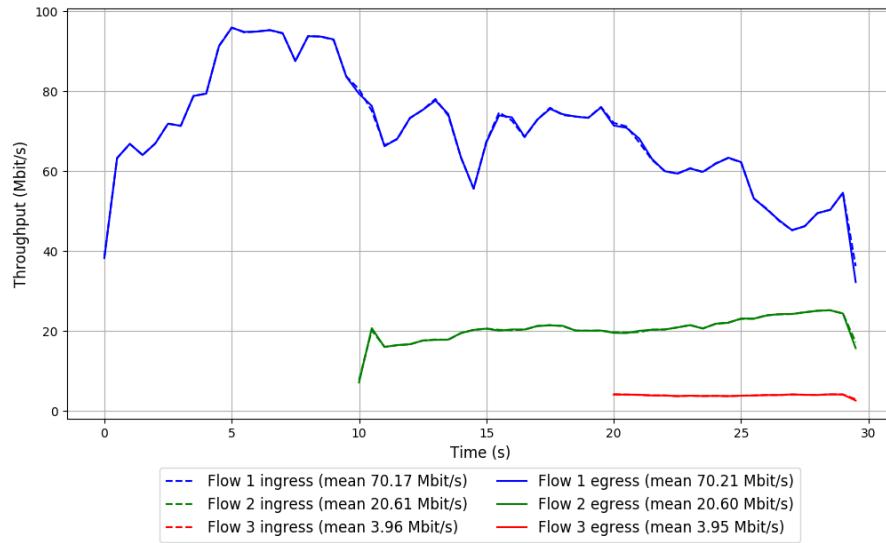


Run 6: Statistics of PCC

```
Start at: 2018-01-31 23:24:44
End at: 2018-01-31 23:25:15
Local clock offset: -0.041 ms
Remote clock offset: 0.58 ms

# Below is generated by plot.py at 2018-02-01 04:45:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 6.837 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 6.503 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 7.945 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 8.585 ms
Loss rate: 0.47%
```

## Run 6: Report of PCC — Data Link

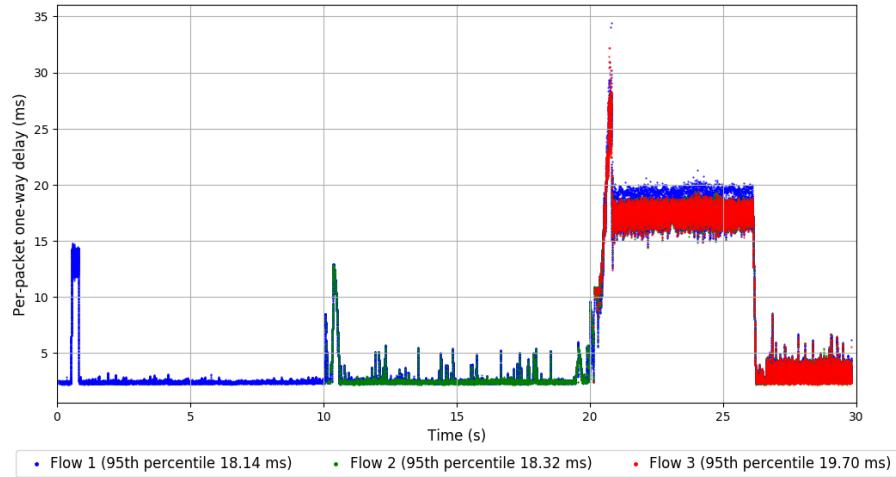
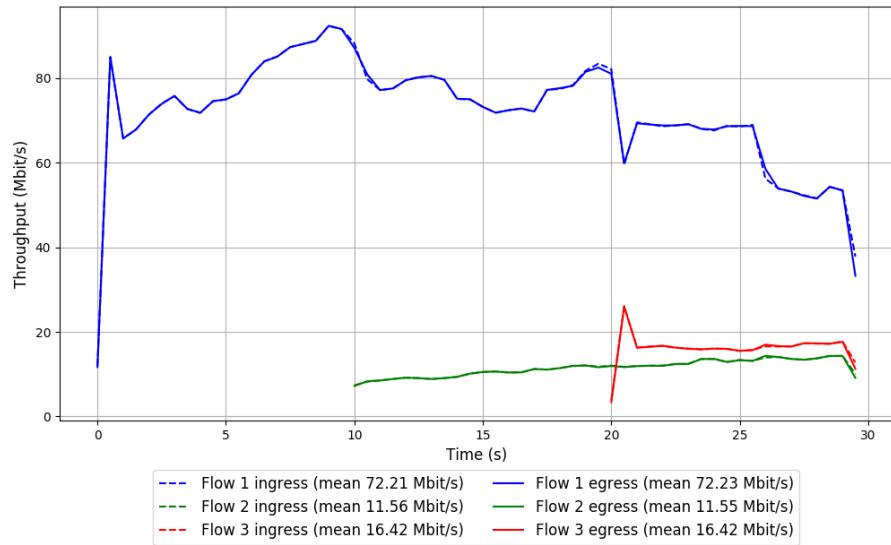


Run 7: Statistics of PCC

```
Start at: 2018-01-31 23:46:24
End at: 2018-01-31 23:46:54
Local clock offset: -0.043 ms
Remote clock offset: 0.549 ms

# Below is generated by plot.py at 2018-02-01 04:45:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 18.238 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 72.23 Mbit/s
95th percentile per-packet one-way delay: 18.141 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 18.320 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 19.695 ms
Loss rate: 0.50%
```

Run 7: Report of PCC — Data Link

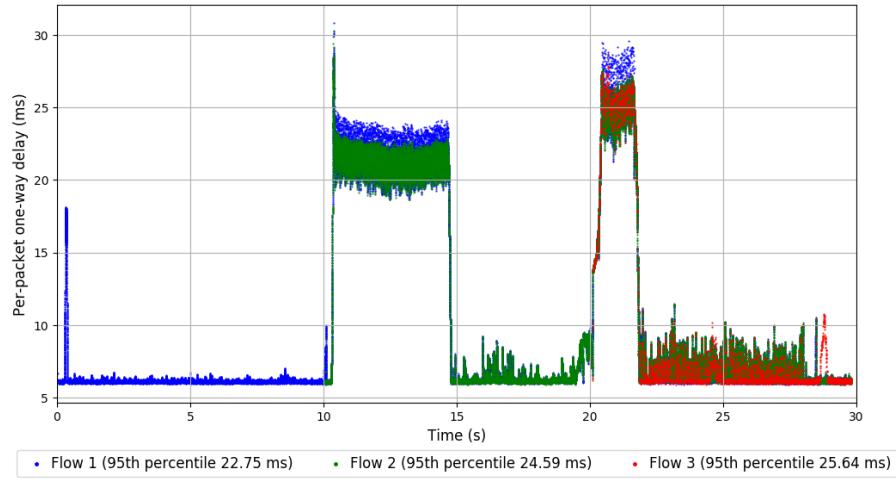
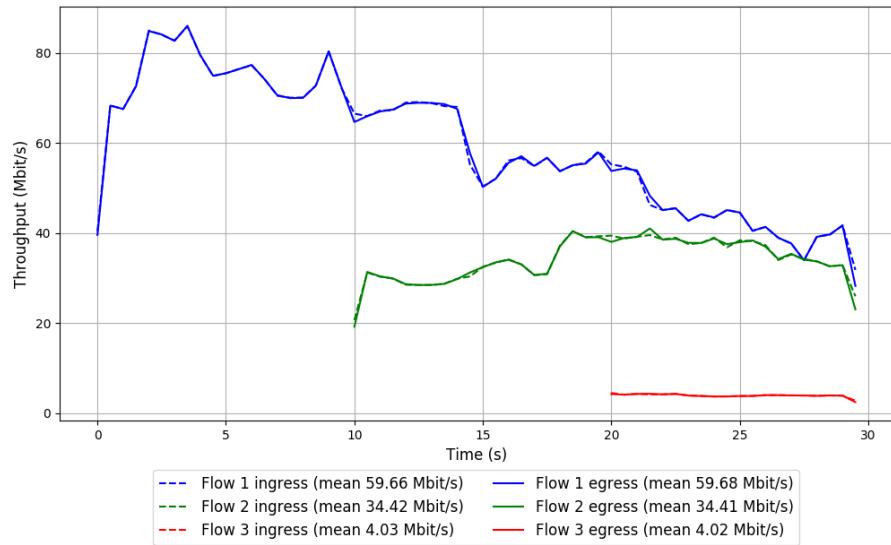


Run 8: Statistics of PCC

```
Start at: 2018-02-01 00:08:29
End at: 2018-02-01 00:08:59
Local clock offset: 0.092 ms
Remote clock offset: -2.969 ms

# Below is generated by plot.py at 2018-02-01 04:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 23.580 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 22.749 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.41 Mbit/s
95th percentile per-packet one-way delay: 24.590 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 25.637 ms
Loss rate: 0.67%
```

## Run 8: Report of PCC — Data Link

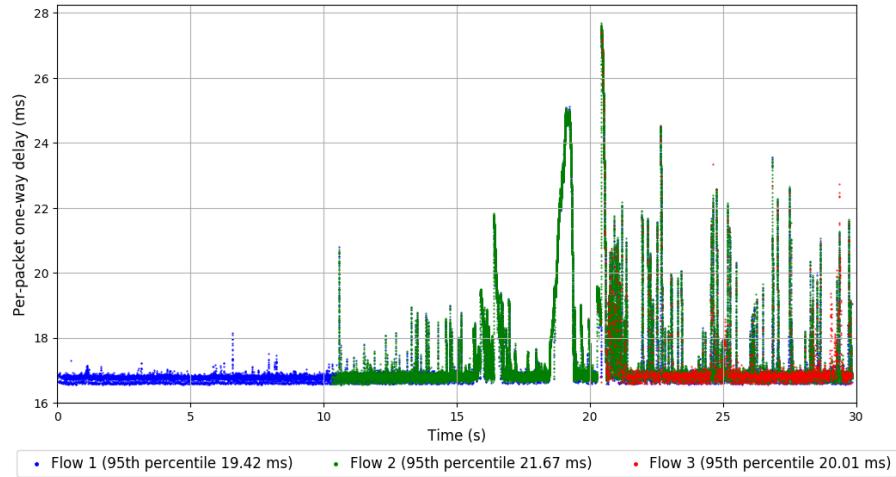
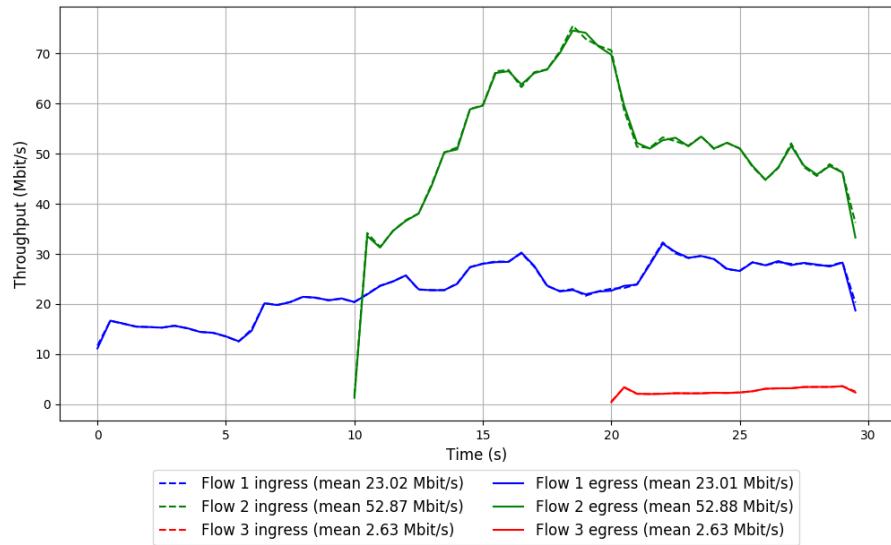


Run 9: Statistics of PCC

```
Start at: 2018-02-01 00:30:25
End at: 2018-02-01 00:30:55
Local clock offset: 0.306 ms
Remote clock offset: -13.294 ms

# Below is generated by plot.py at 2018-02-01 04:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 20.866 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 19.422 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 52.88 Mbit/s
95th percentile per-packet one-way delay: 21.671 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 20.009 ms
Loss rate: 0.62%
```

## Run 9: Report of PCC — Data Link

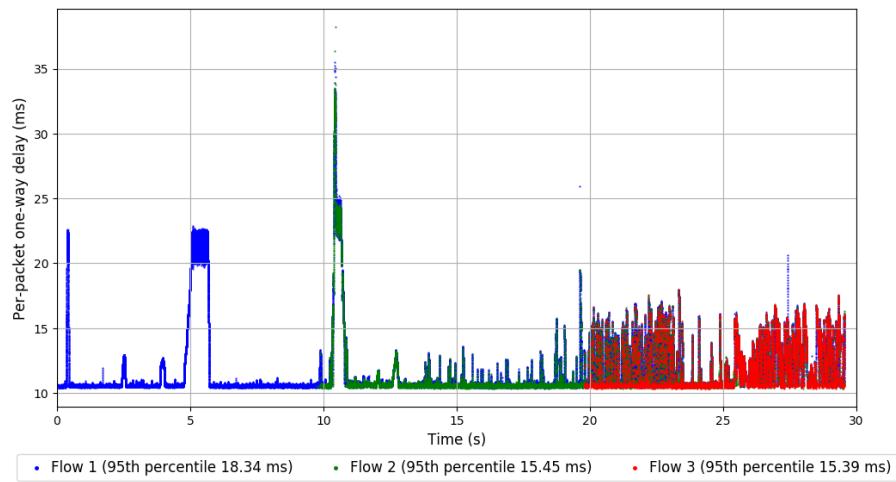
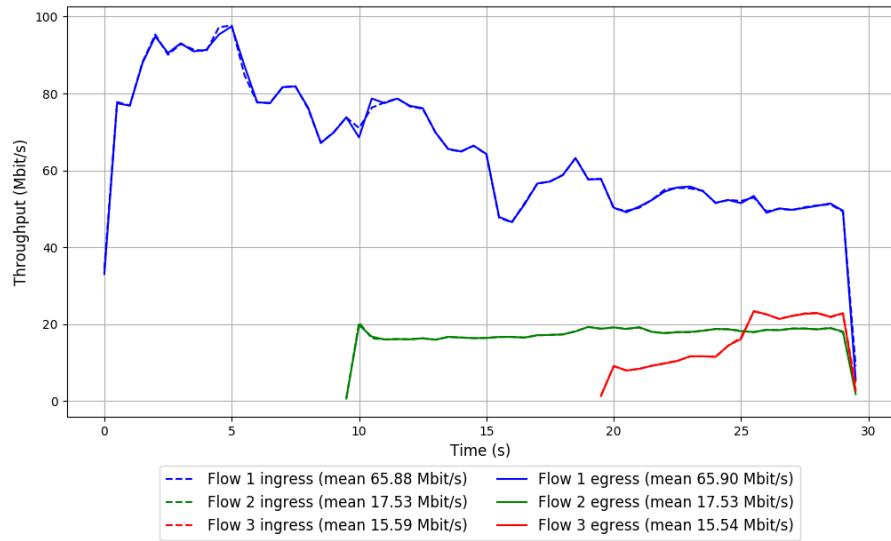


Run 10: Statistics of PCC

```
Start at: 2018-02-01 00:52:07
End at: 2018-02-01 00:52:37
Local clock offset: 0.447 ms
Remote clock offset: -6.959 ms

# Below is generated by plot.py at 2018-02-01 04:45:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.79 Mbit/s
95th percentile per-packet one-way delay: 16.541 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 18.337 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 15.447 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 15.392 ms
Loss rate: 0.66%
```

## Run 10: Report of PCC — Data Link

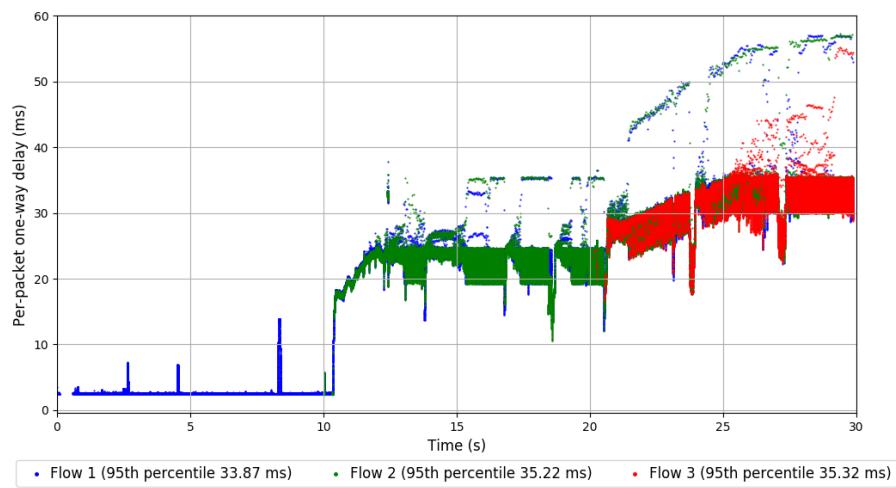
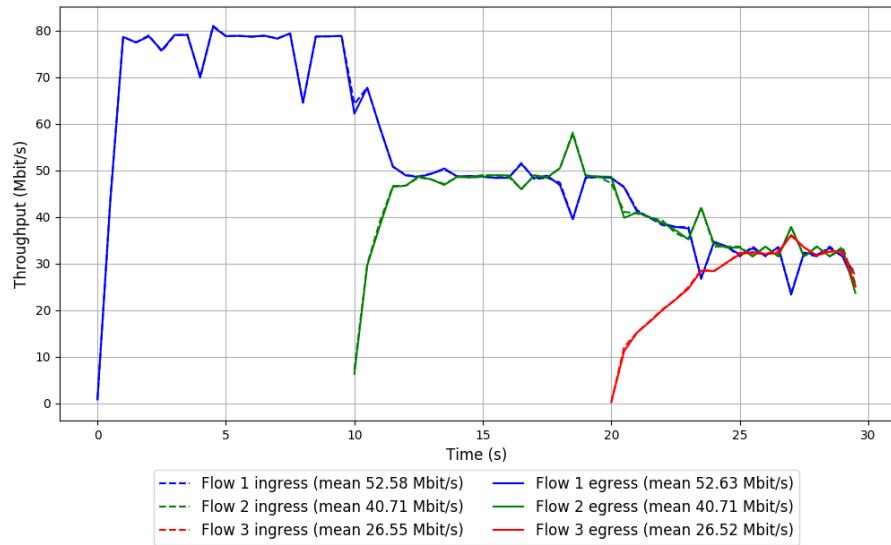


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-31 21:48:32
End at: 2018-01-31 21:49:02
Local clock offset: 0.005 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-02-01 04:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 34.982 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 35.223 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 35.316 ms
Loss rate: 0.85%
```

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

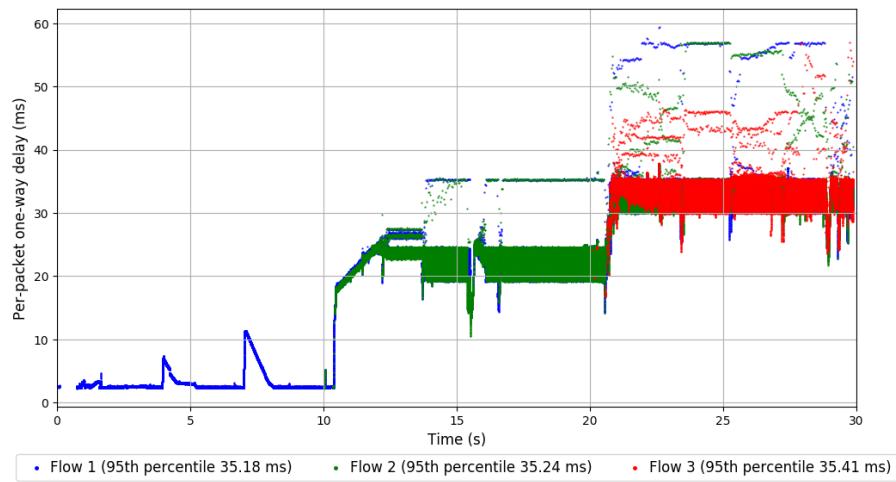
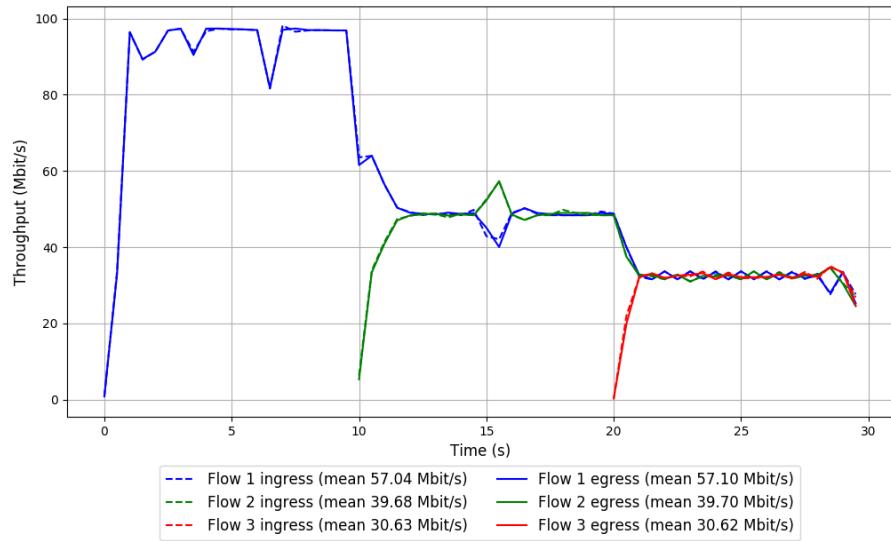


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-01-31 22:10:00
End at: 2018-01-31 22:10:30
Local clock offset: -0.032 ms
Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2018-02-01 04:45:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 35.237 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 35.182 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 35.242 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 35.409 ms
Loss rate: 0.72%
```

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

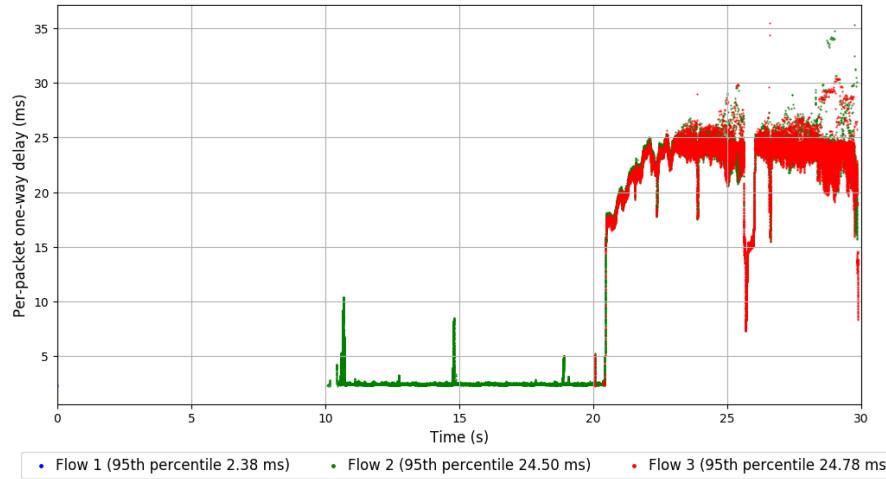
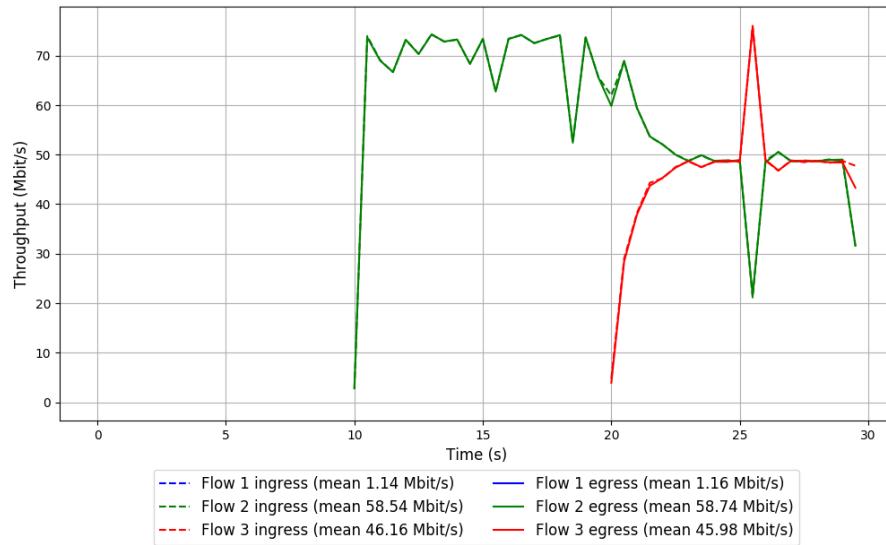


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-01-31 22:31:23
End at: 2018-01-31 22:31:53
Local clock offset: -0.018 ms
Remote clock offset: 0.419 ms

# Below is generated by plot.py at 2018-02-01 04:45:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 24.537 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 24.505 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.98 Mbit/s
95th percentile per-packet one-way delay: 24.779 ms
Loss rate: 0.76%
```

Run 3: Report of QUIC Cubic — Data Link

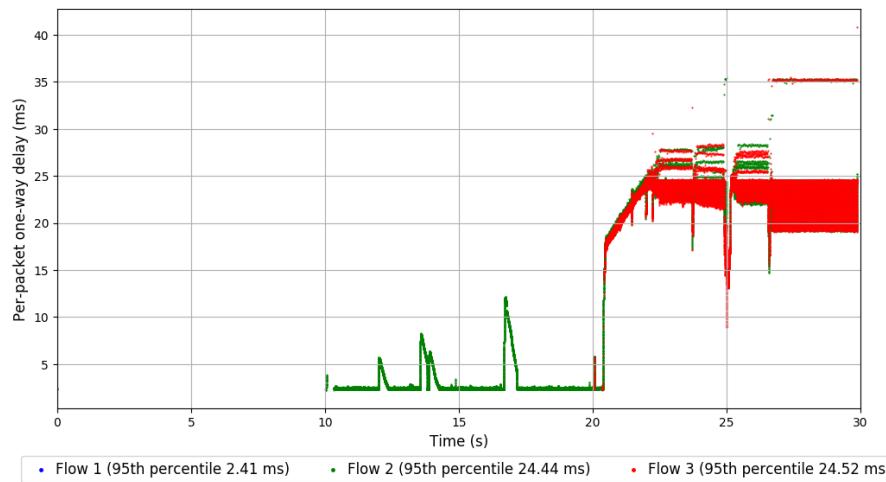
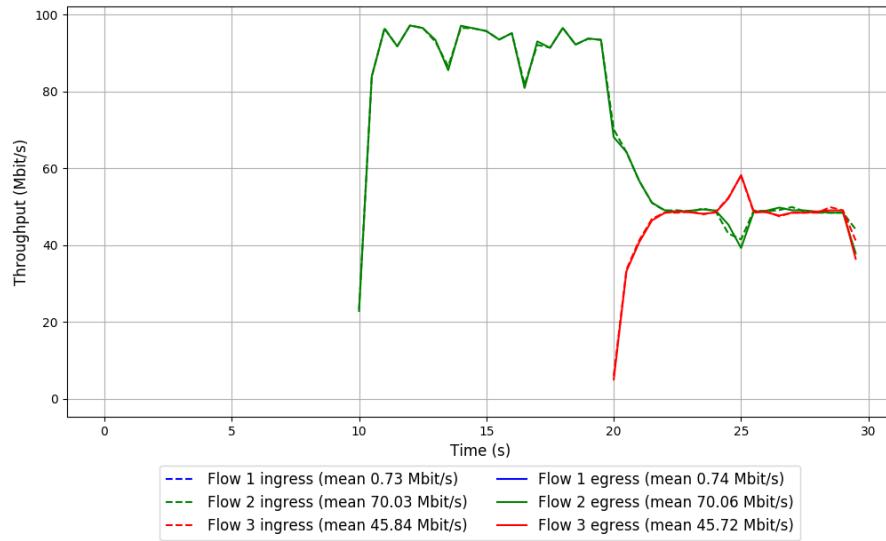


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-01-31 22:53:07
End at: 2018-01-31 22:53:37
Local clock offset: -0.015 ms
Remote clock offset: 0.678 ms

# Below is generated by plot.py at 2018-02-01 04:46:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.67 Mbit/s
95th percentile per-packet one-way delay: 24.471 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 24.439 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 45.72 Mbit/s
95th percentile per-packet one-way delay: 24.515 ms
Loss rate: 0.82%
```

## Run 4: Report of QUIC Cubic — Data Link

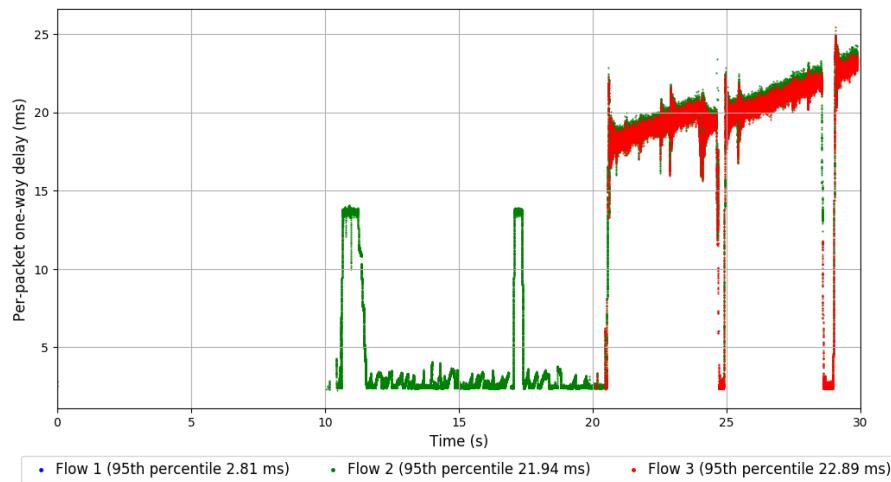
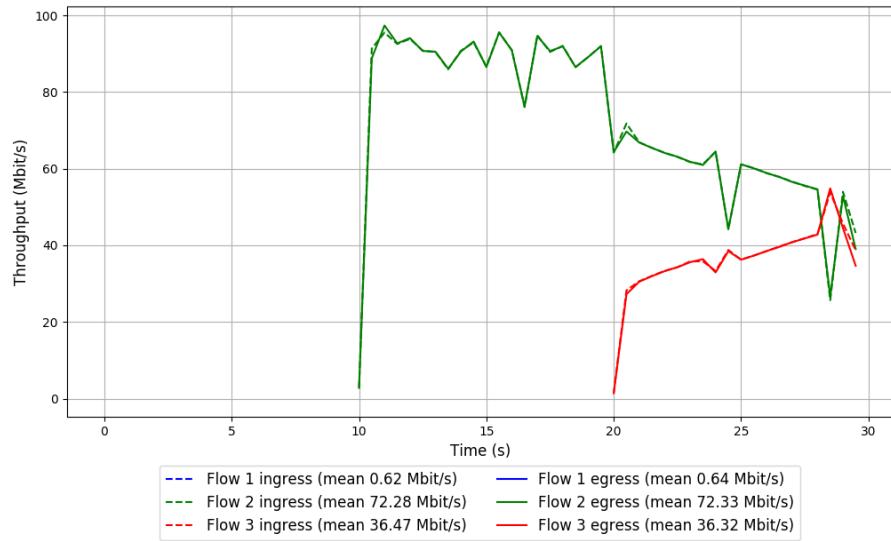


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-01-31 23:14:56
End at: 2018-01-31 23:15:26
Local clock offset: -0.064 ms
Remote clock offset: 0.531 ms

# Below is generated by plot.py at 2018-02-01 04:46:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 22.251 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 2.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 21.943 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 36.32 Mbit/s
95th percentile per-packet one-way delay: 22.889 ms
Loss rate: 0.85%
```

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

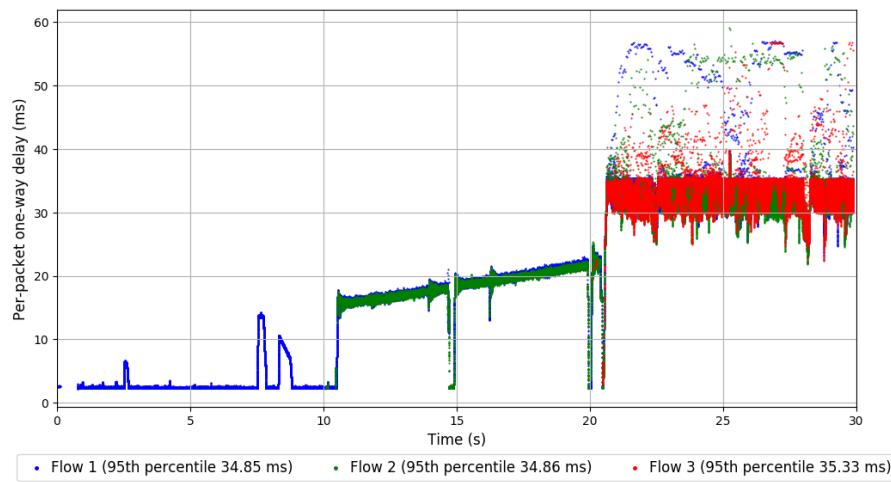
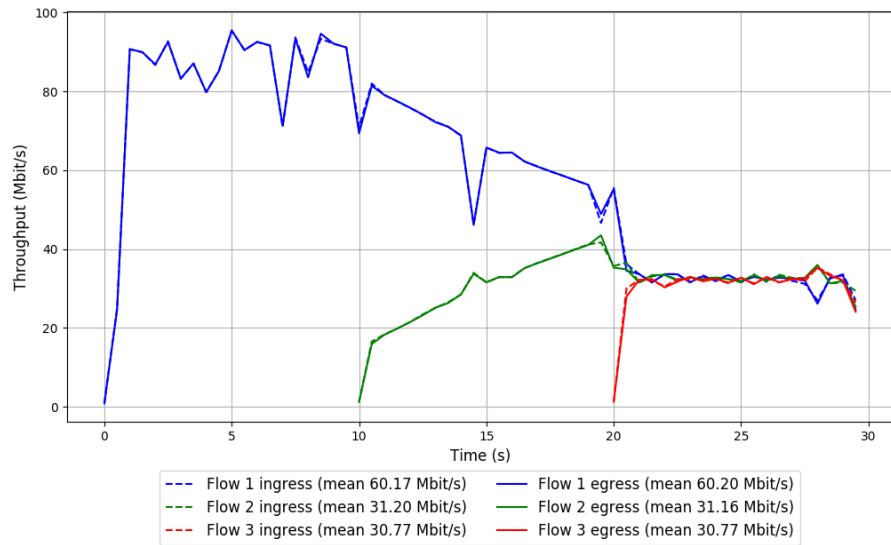


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-01-31 23:36:40
End at: 2018-01-31 23:37:10
Local clock offset: -0.034 ms
Remote clock offset: 0.451 ms

# Below is generated by plot.py at 2018-02-01 04:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 35.150 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 34.851 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 34.861 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 35.328 ms
Loss rate: 0.73%
```

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

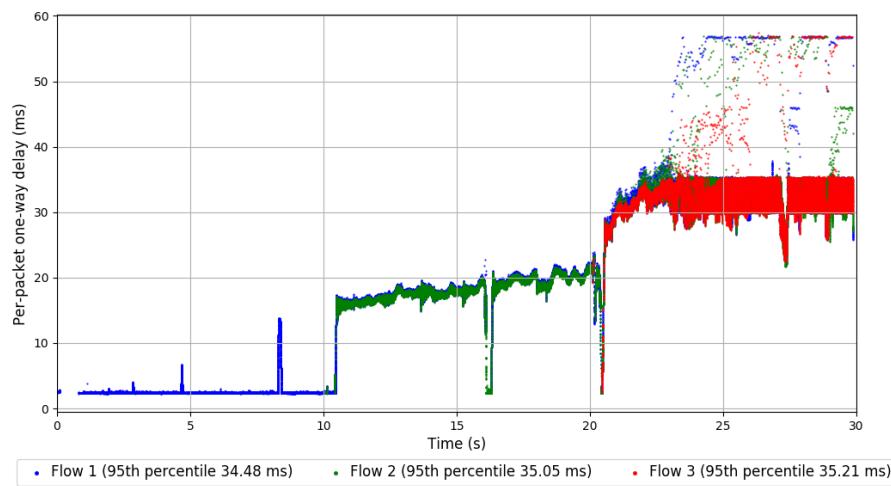
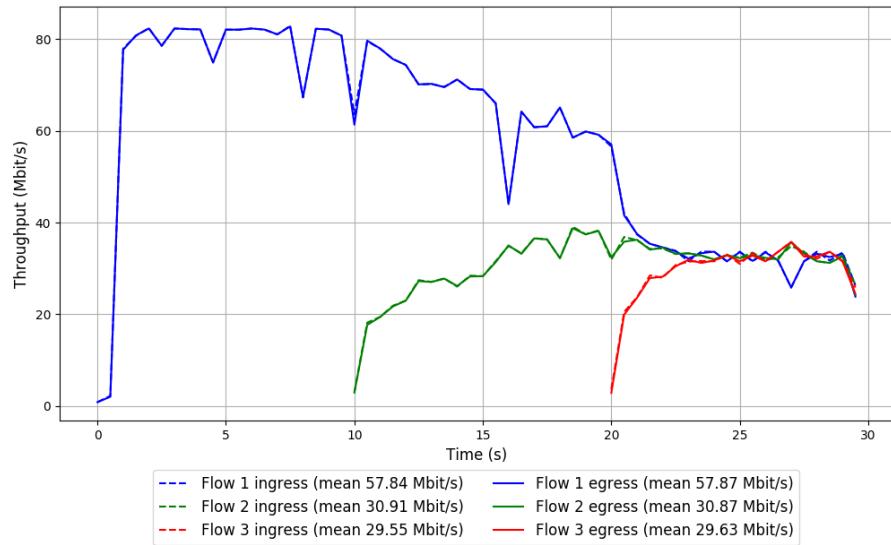


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-01-31 23:58:36
End at: 2018-01-31 23:59:06
Local clock offset: 0.02 ms
Remote clock offset: 0.687 ms

# Below is generated by plot.py at 2018-02-01 04:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 35.001 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 34.480 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 35.045 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 35.208 ms
Loss rate: 0.60%
```

Run 7: Report of QUIC Cubic — Data Link

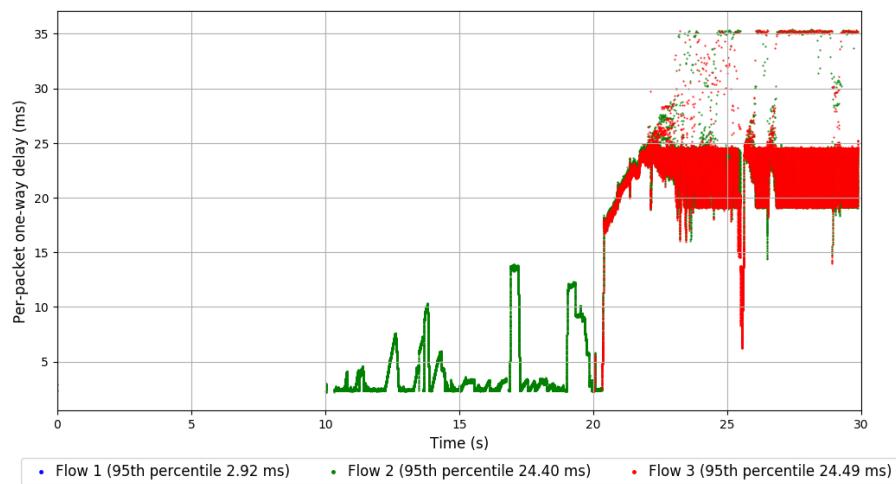
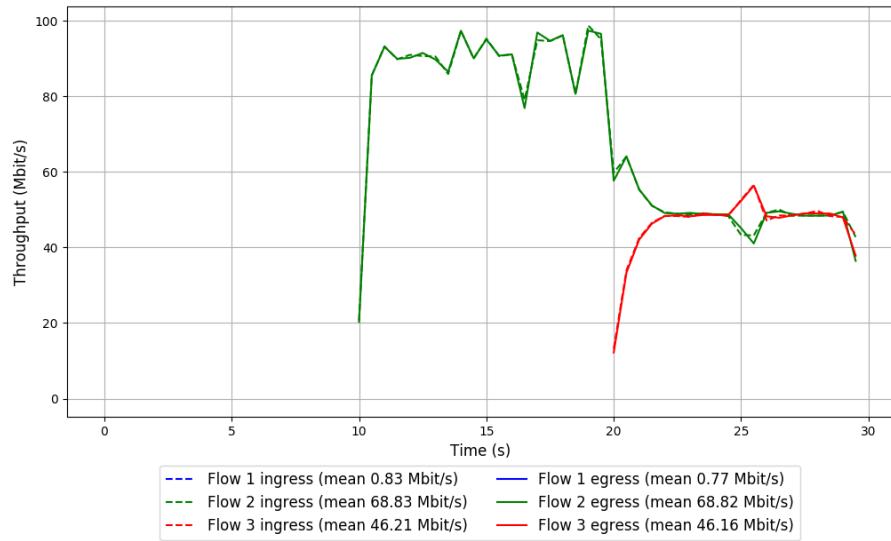


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-02-01 00:20:28
End at: 2018-02-01 00:20:58
Local clock offset: 0.212 ms
Remote clock offset: 0.951 ms

# Below is generated by plot.py at 2018-02-01 04:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.02 Mbit/s
95th percentile per-packet one-way delay: 24.441 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 2.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.82 Mbit/s
95th percentile per-packet one-way delay: 24.399 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 24.489 ms
Loss rate: 0.83%
```

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

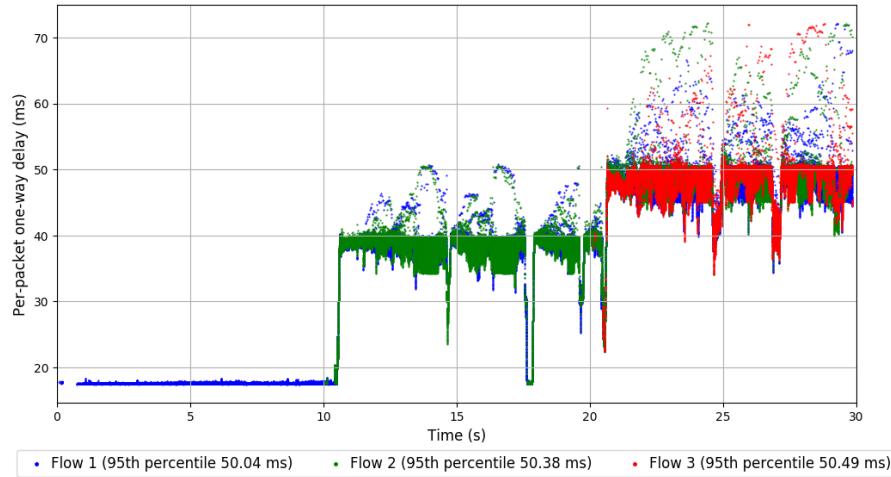
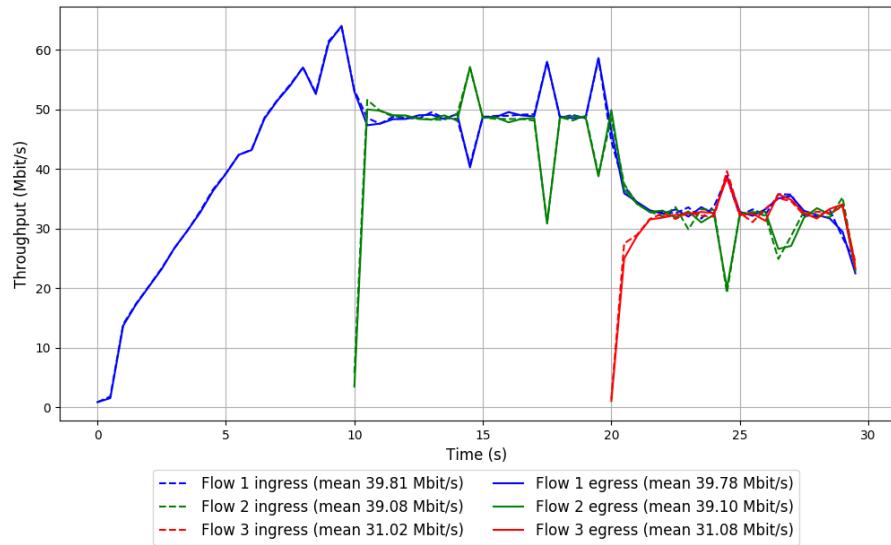


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-02-01 00:42:23
End at: 2018-02-01 00:42:53
Local clock offset: 0.393 ms
Remote clock offset: -13.996 ms

# Below is generated by plot.py at 2018-02-01 04:47:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 50.373 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 50.038 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 50.382 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 50.491 ms
Loss rate: 0.67%
```

Run 9: Report of QUIC Cubic — Data Link

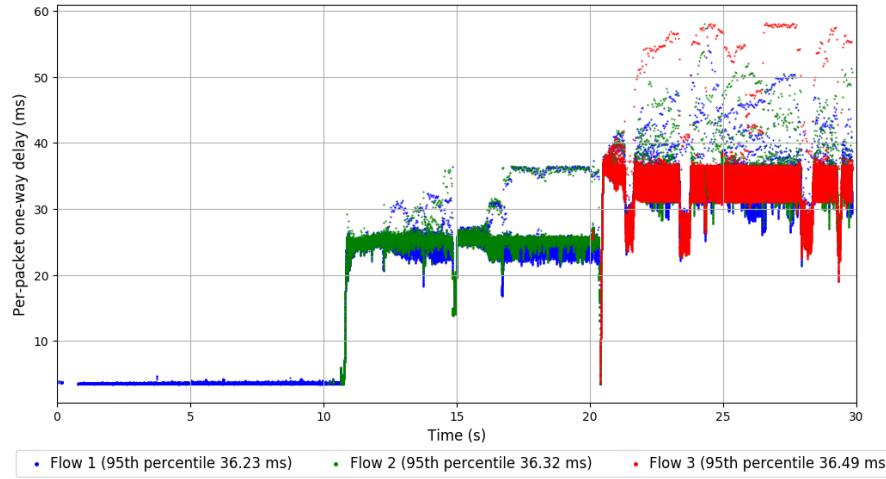
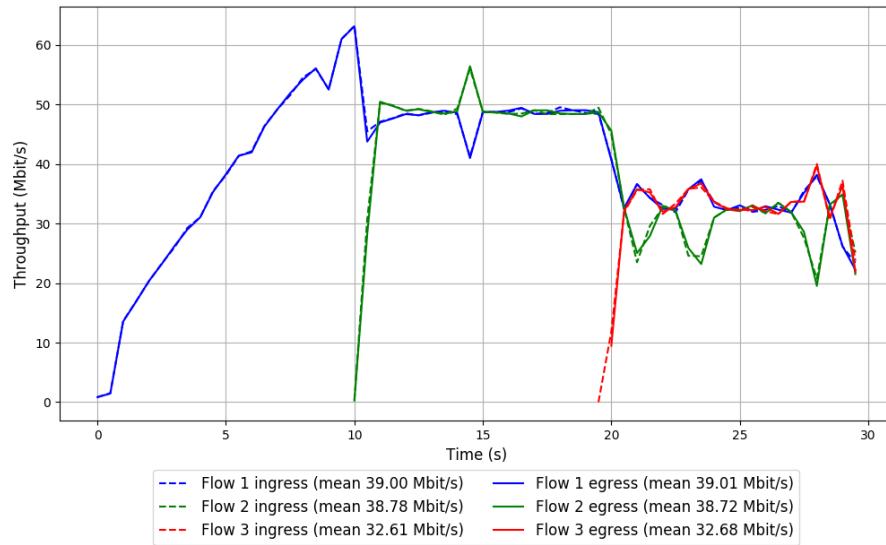


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-02-01 01:04:58
End at: 2018-02-01 01:05:28
Local clock offset: 0.507 ms
Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 36.368 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 36.228 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 36.321 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 36.487 ms
Loss rate: 0.73%
```

Run 10: Report of QUIC Cubic — Data Link

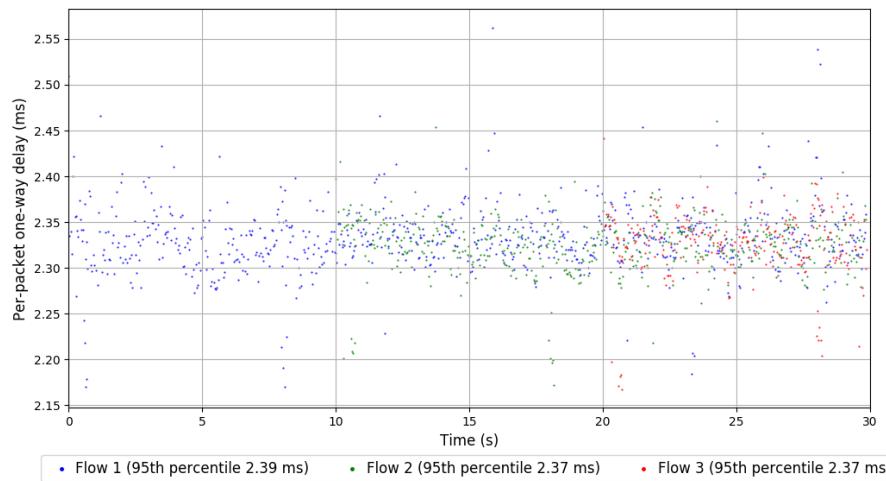
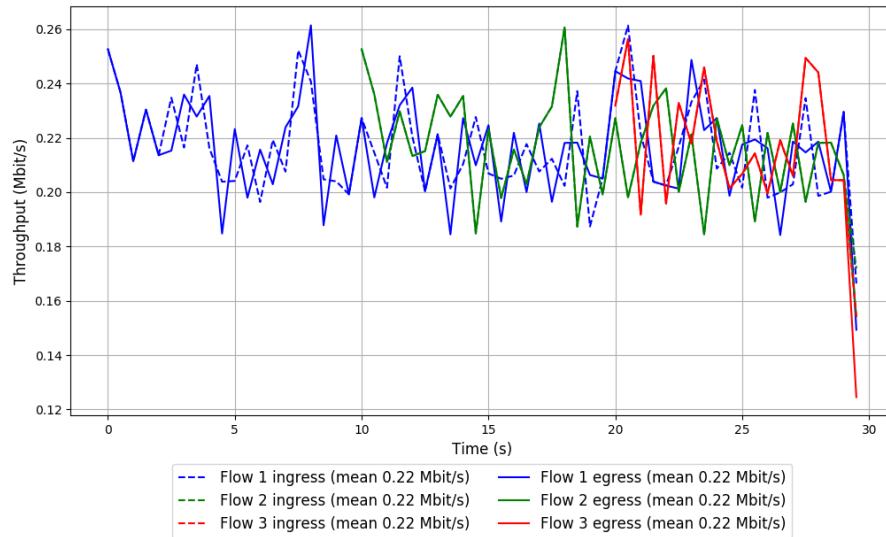


```
Run 1: Statistics of SCReAM

Start at: 2018-01-31 21:38:19
End at: 2018-01-31 21:38:49
Local clock offset: -0.044 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.388 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.368 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.68%
```

Run 1: Report of SCReAM — Data Link

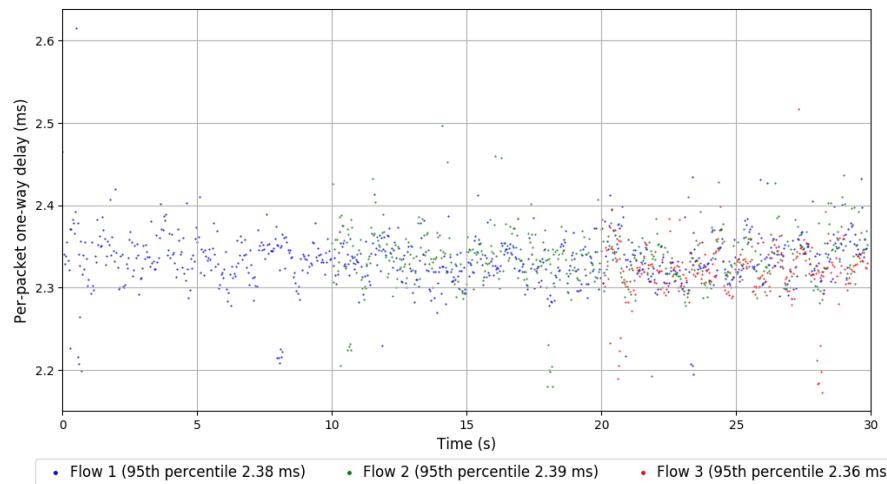
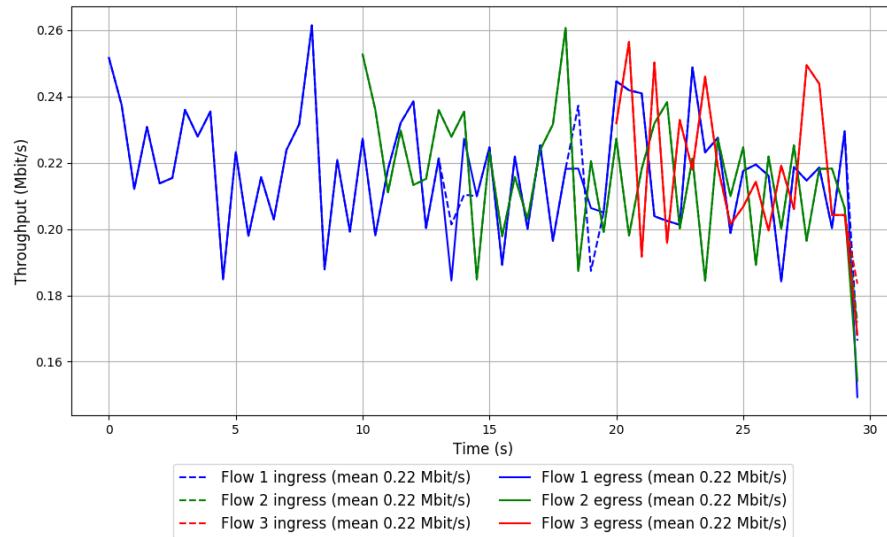


Run 2: Statistics of SCReAM

```
Start at: 2018-01-31 22:00:32
End at: 2018-01-31 22:01:02
Local clock offset: -0.037 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.35%
```

Run 2: Report of SCReAM — Data Link

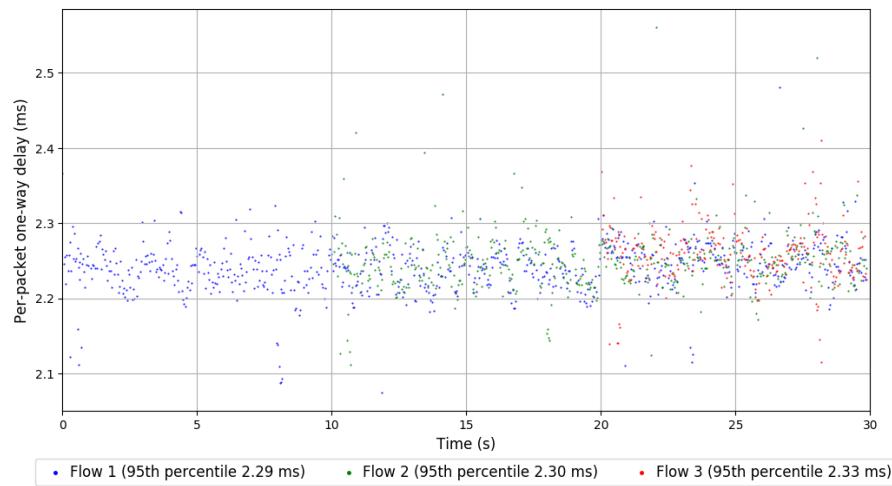
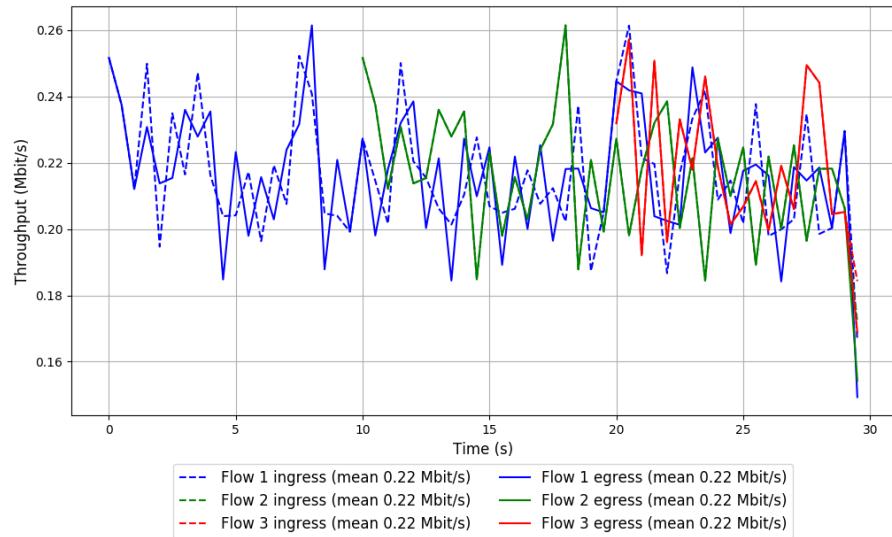


Run 3: Statistics of SCReAM

```
Start at: 2018-01-31 22:21:56
End at: 2018-01-31 22:22:26
Local clock offset: -0.096 ms
Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.35%
```

Run 3: Report of SCReAM — Data Link

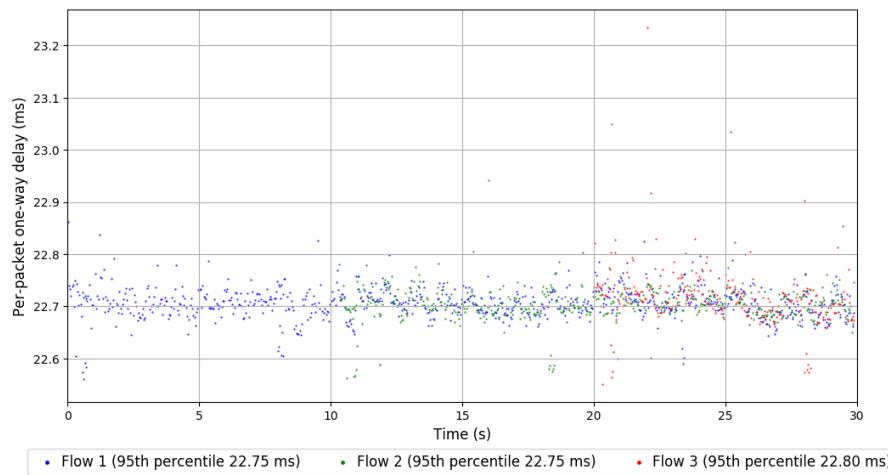
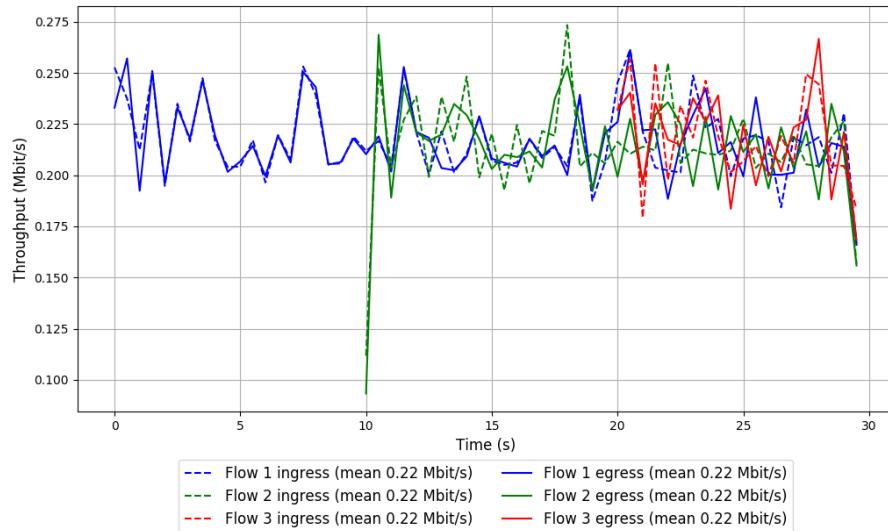


Run 4: Statistics of SCReAM

```
Start at: 2018-01-31 22:43:16
End at: 2018-01-31 22:43:46
Local clock offset: 0.009 ms
Remote clock offset: -19.727 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.758 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.753 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.795 ms
Loss rate: 0.35%
```

## Run 4: Report of SCReAM — Data Link

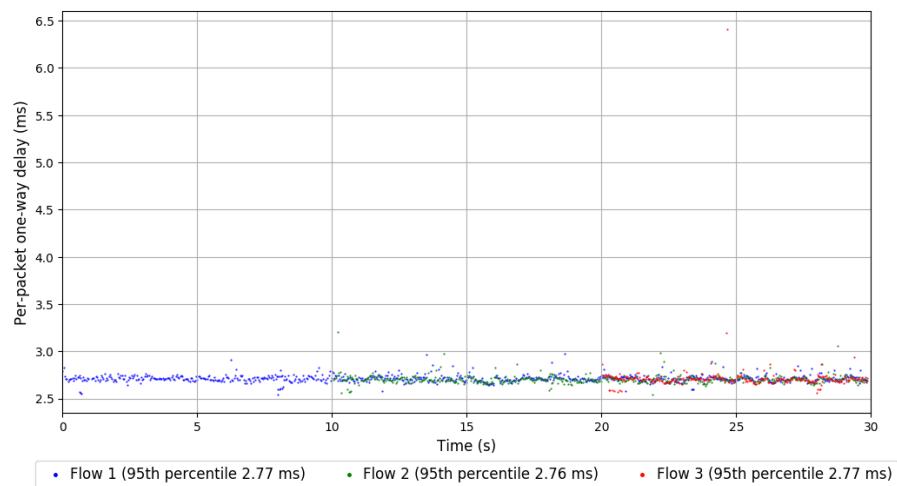
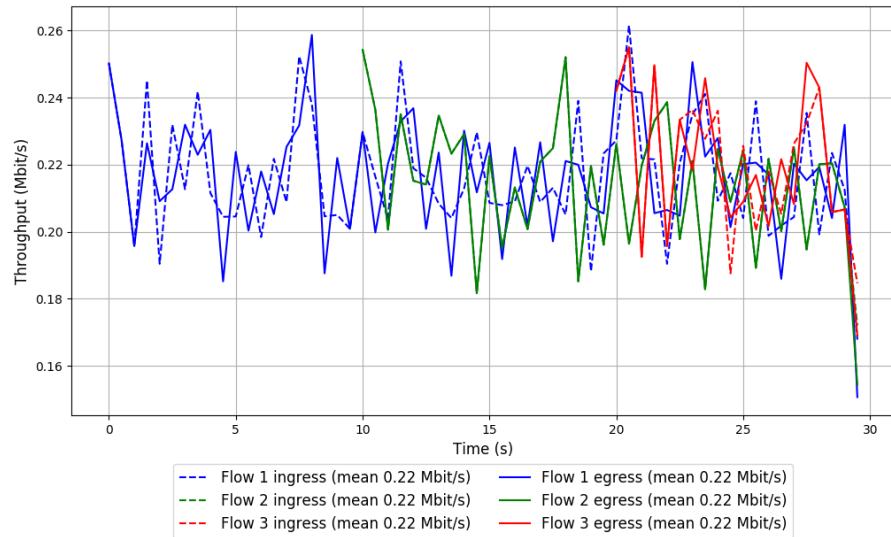


Run 5: Statistics of SCReAM

```
Start at: 2018-01-31 23:05:11
End at: 2018-01-31 23:05:41
Local clock offset: 0.002 ms
Remote clock offset: 0.323 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.768 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.769 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.761 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.772 ms
Loss rate: 0.35%
```

Run 5: Report of SCReAM — Data Link

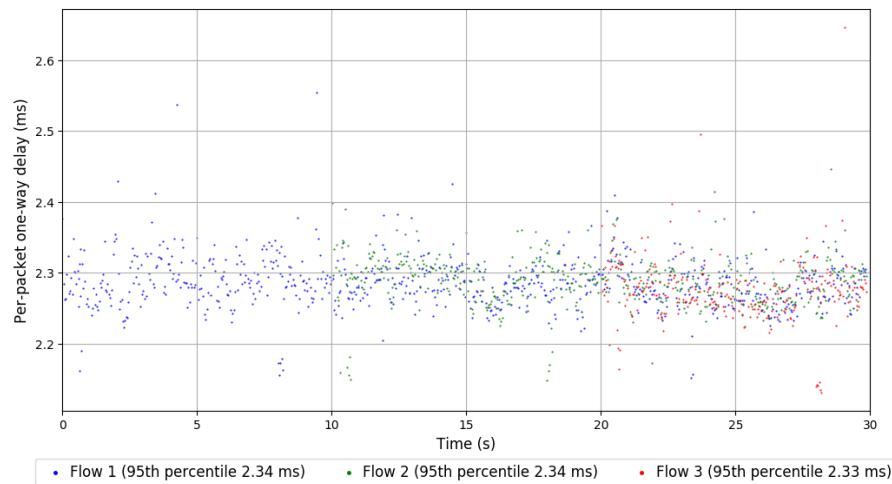
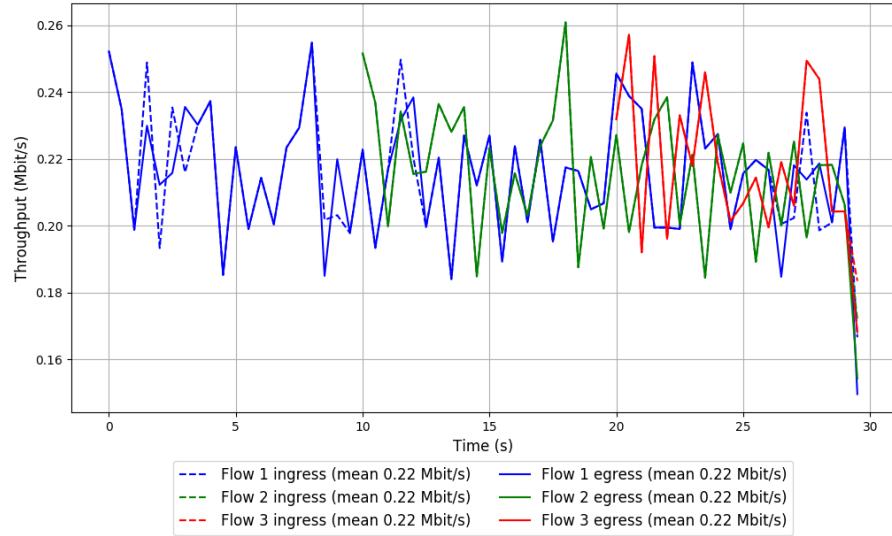


Run 6: Statistics of SCReAM

```
Start at: 2018-01-31 23:27:05
End at: 2018-01-31 23:27:35
Local clock offset: -0.049 ms
Remote clock offset: 0.599 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.342 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.338 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.35%
```

Run 6: Report of SCReAM — Data Link

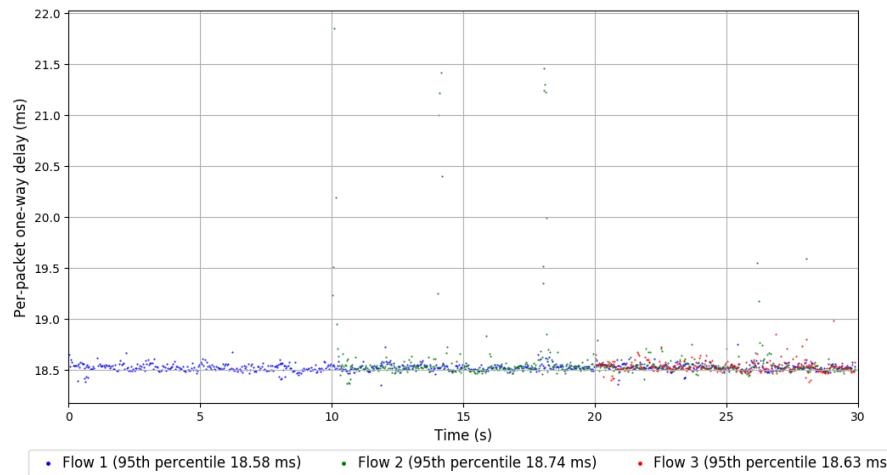
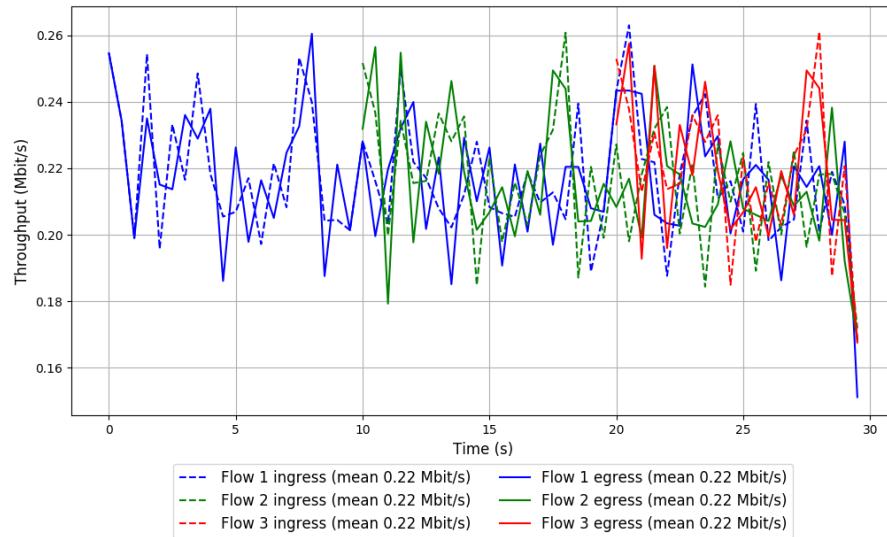


Run 7: Statistics of SCReAM

```
Start at: 2018-01-31 23:48:48
End at: 2018-01-31 23:49:18
Local clock offset: -0.046 ms
Remote clock offset: -15.579 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.623 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.576 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.736 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.634 ms
Loss rate: 0.35%
```

Run 7: Report of SCReAM — Data Link

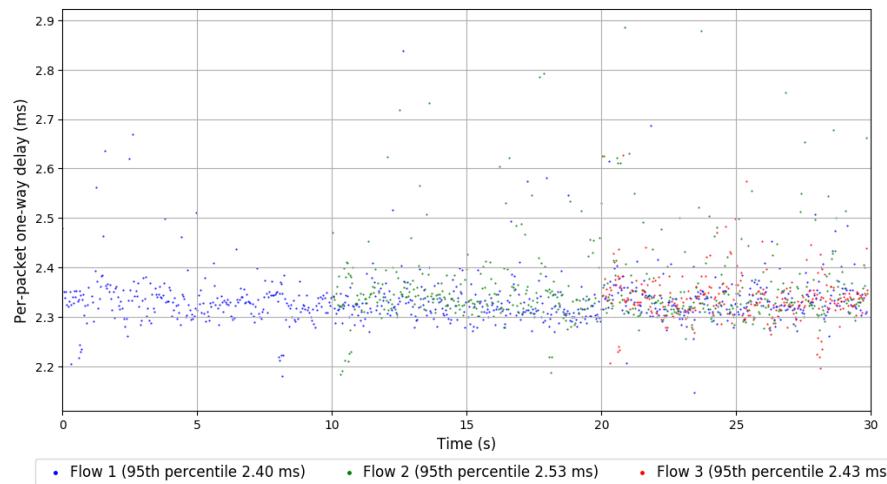
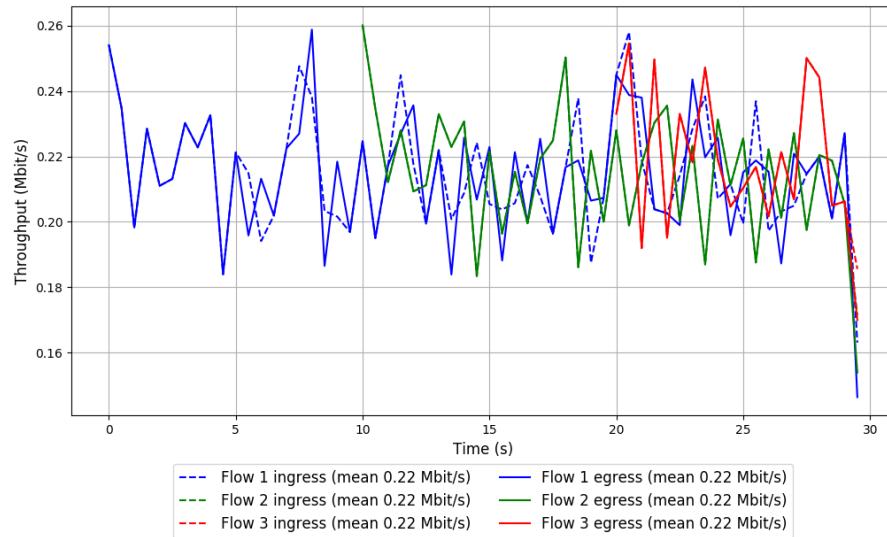


Run 8: Statistics of SCReAM

```
Start at: 2018-02-01 00:10:51
End at: 2018-02-01 00:11:21
Local clock offset: 0.115 ms
Remote clock offset: 0.816 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.400 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.35%
```

Run 8: Report of SCReAM — Data Link

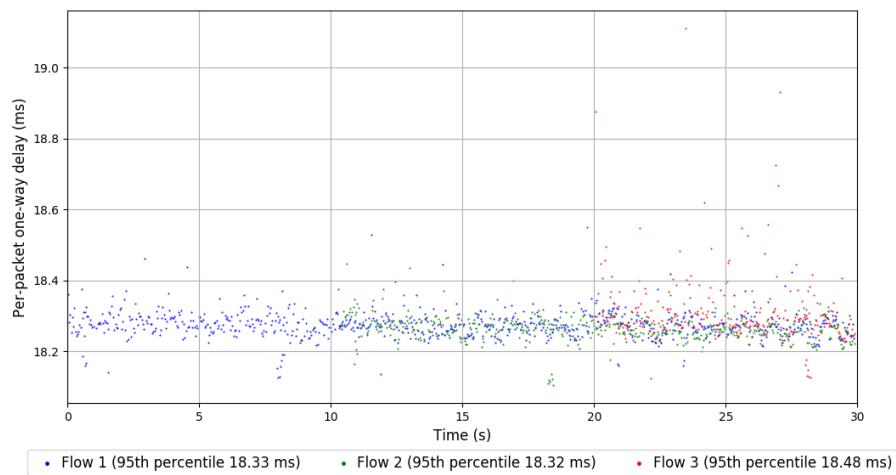
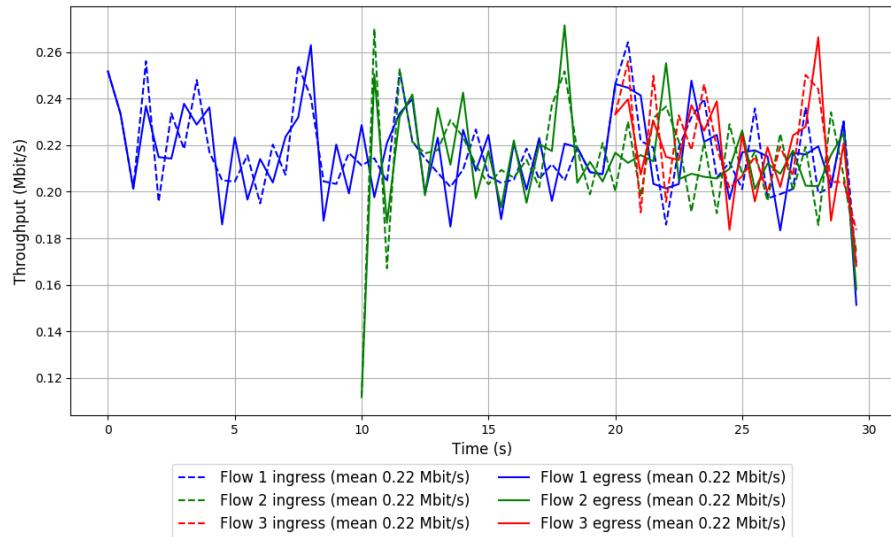


Run 9: Statistics of SCReAM

```
Start at: 2018-02-01 00:32:47
End at: 2018-02-01 00:33:17
Local clock offset: 0.32 ms
Remote clock offset: -14.796 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.355 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.328 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.316 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.475 ms
Loss rate: 0.35%
```

Run 9: Report of SCReAM — Data Link

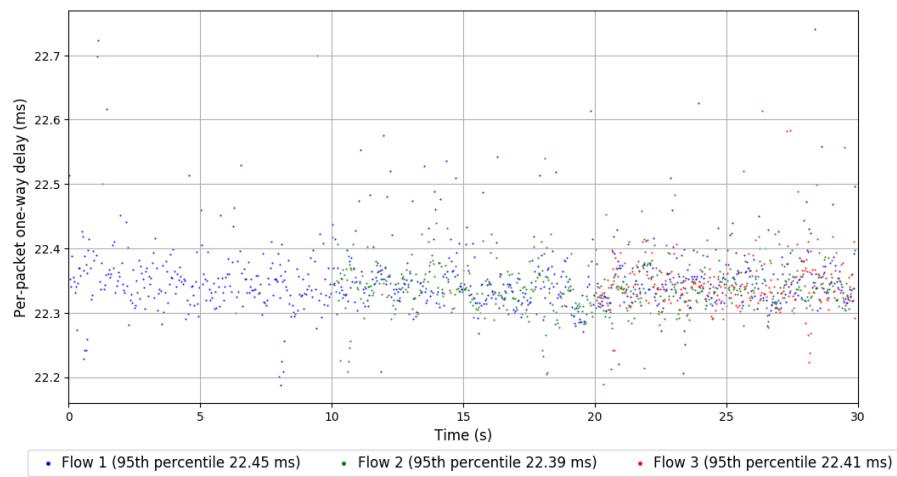
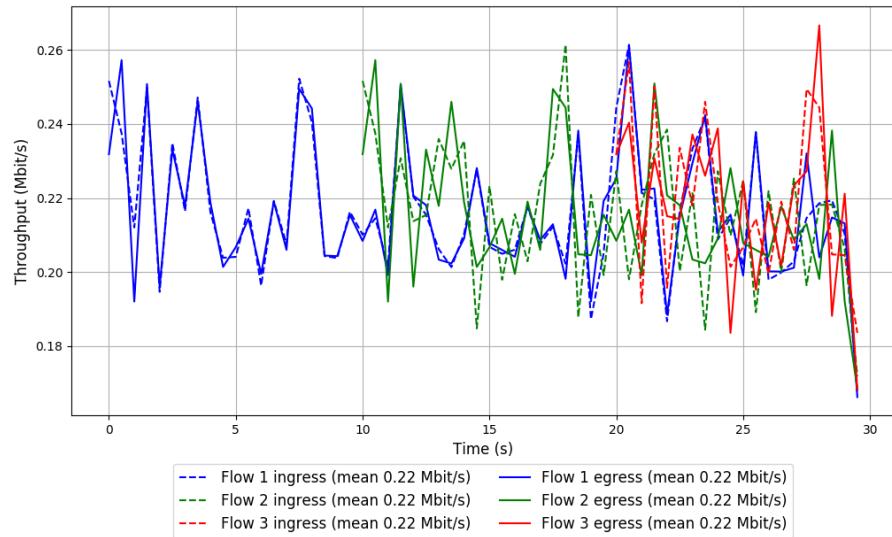


Run 10: Statistics of SCReAM

```
Start at: 2018-02-01 00:54:35
End at: 2018-02-01 00:55:05
Local clock offset: 0.441 ms
Remote clock offset: -18.743 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 22.419 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.450 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.393 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 22.415 ms
Loss rate: 0.35%
```

## Run 10: Report of SCReAM — Data Link

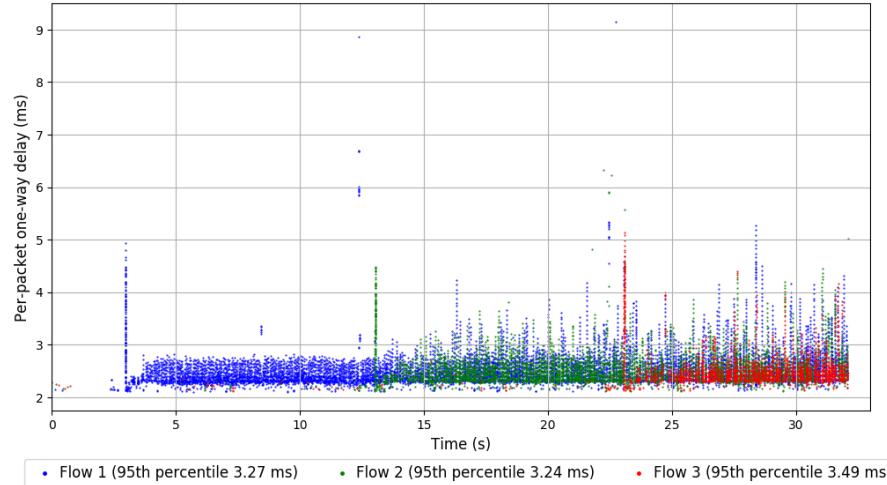
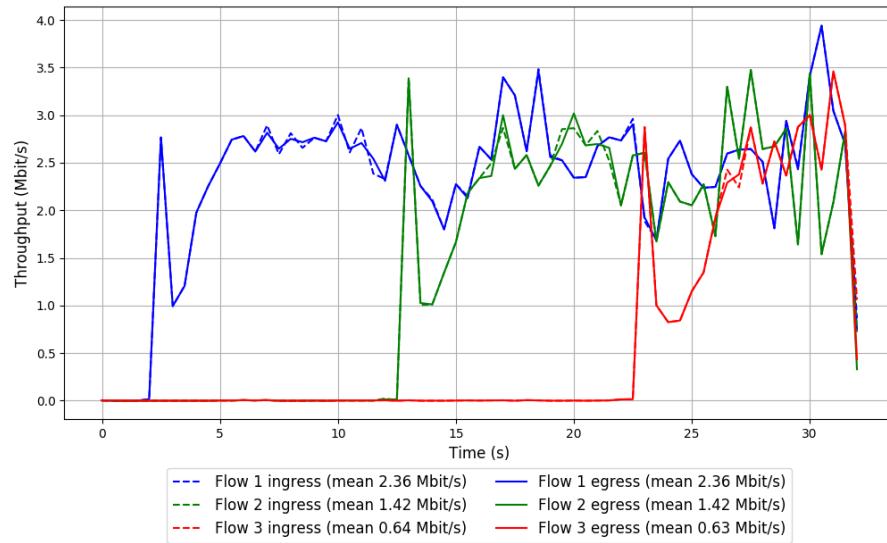


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-31 21:42:38
End at: 2018-01-31 21:43:08
Local clock offset: -0.101 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 3.275 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.272 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 3.238 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 3.492 ms
Loss rate: 1.54%
```

Run 1: Report of WebRTC media — Data Link

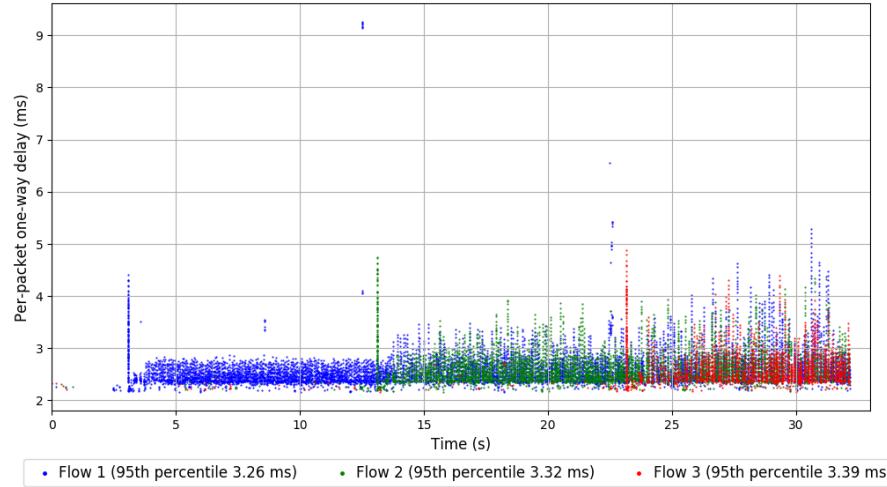
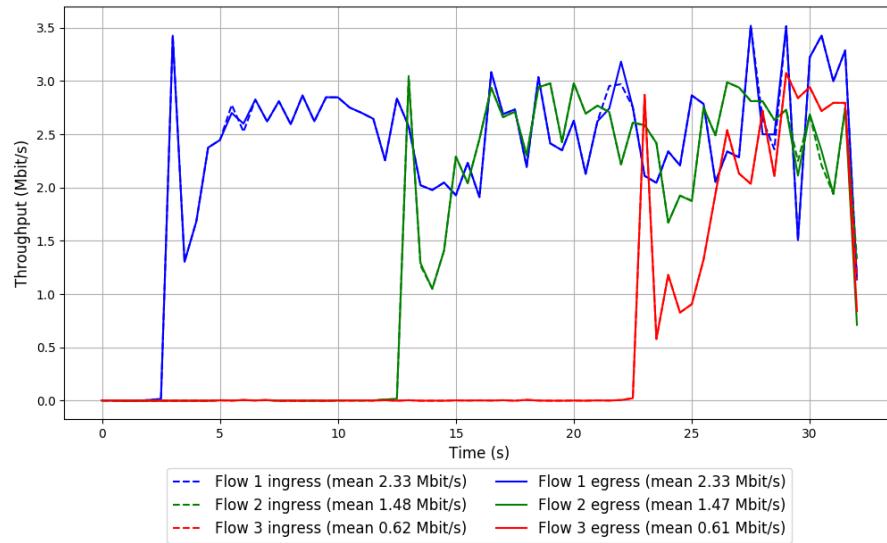


Run 2: Statistics of WebRTC media

```
Start at: 2018-01-31 22:04:05
End at: 2018-01-31 22:04:35
Local clock offset: -0.046 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 3.310 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.257 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.322 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 3.393 ms
Loss rate: 0.75%
```

Run 2: Report of WebRTC media — Data Link

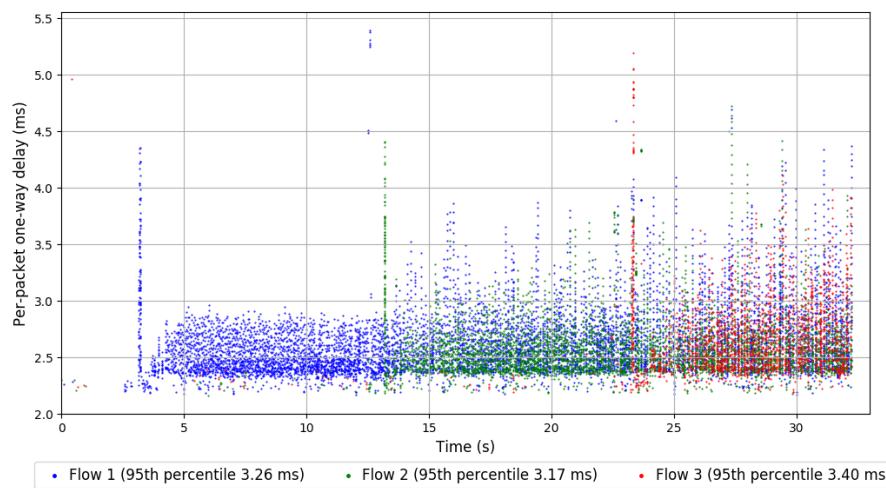
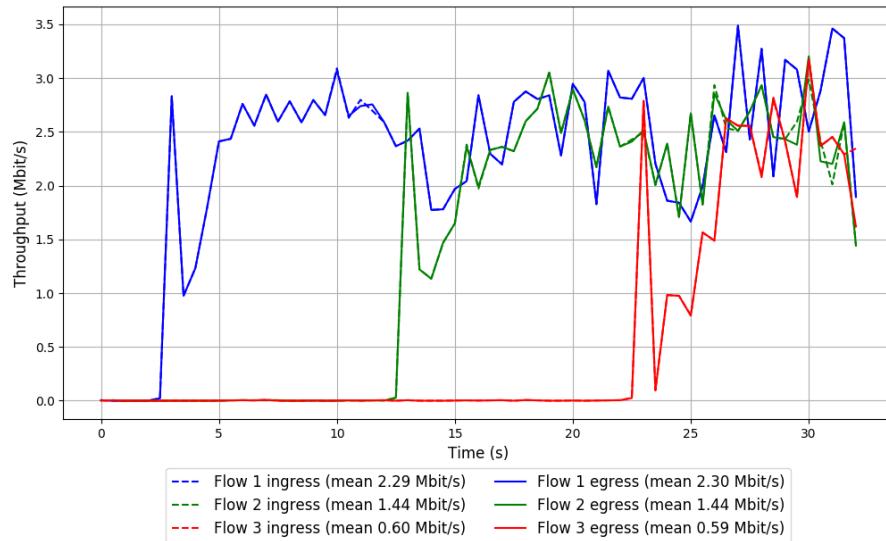


```
Run 3: Statistics of WebRTC media

Start at: 2018-01-31 22:25:32
End at: 2018-01-31 22:26:02
Local clock offset: -0.019 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 3.264 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 3.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 3.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 3.404 ms
Loss rate: 1.89%
```

Run 3: Report of WebRTC media — Data Link

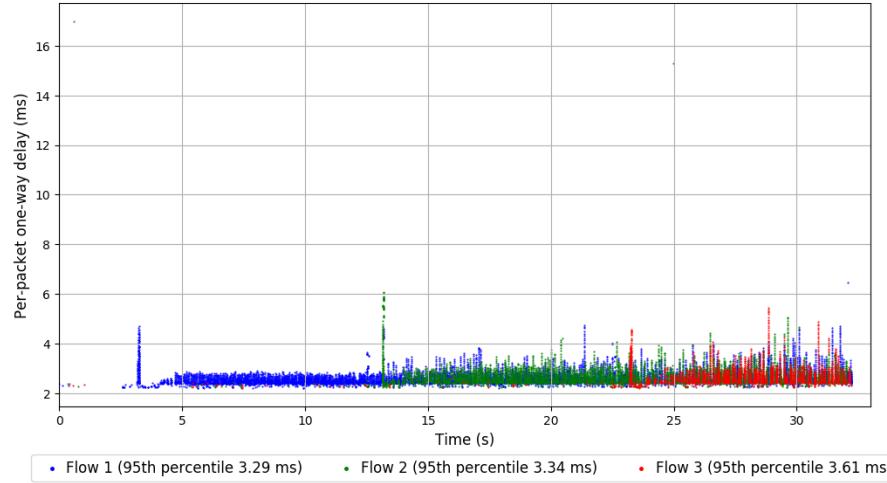
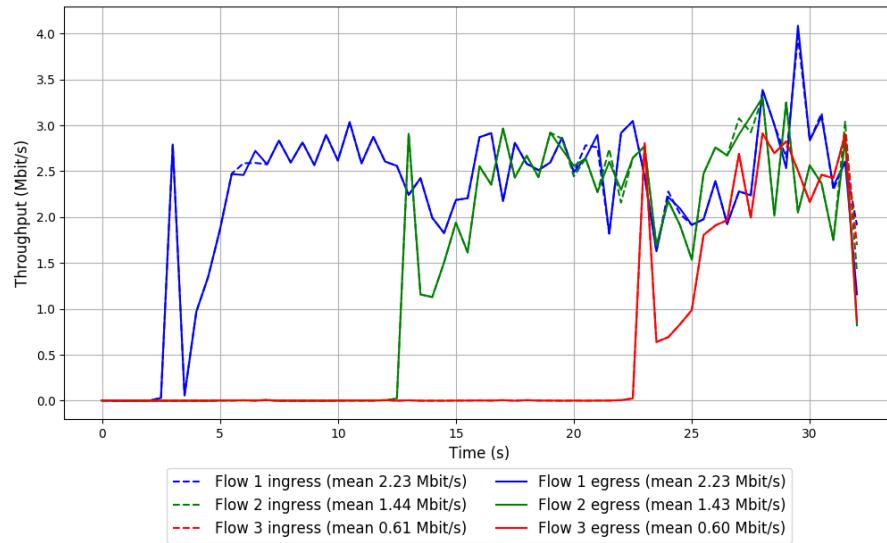


Run 4: Statistics of WebRTC media

```
Start at: 2018-01-31 22:46:49
End at: 2018-01-31 22:47:19
Local clock offset: -0.003 ms
Remote clock offset: 0.623 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 3.295 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 3.337 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 3.614 ms
Loss rate: 2.12%
```

Run 4: Report of WebRTC media — Data Link

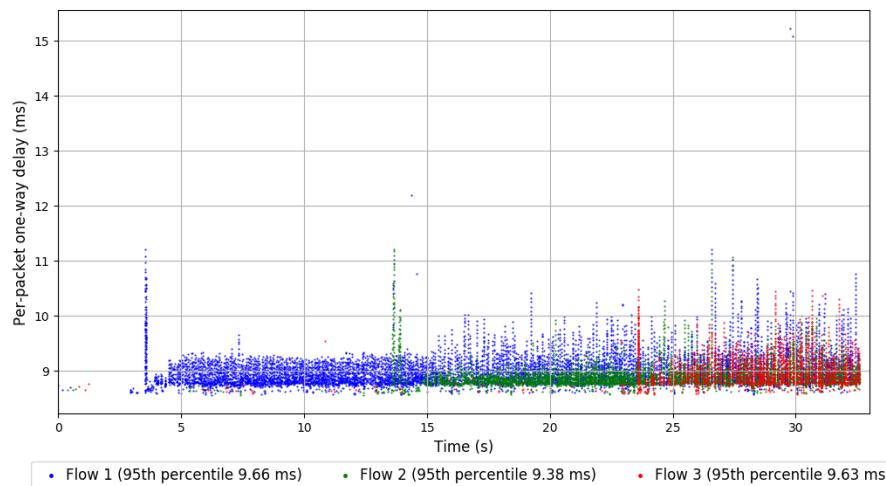
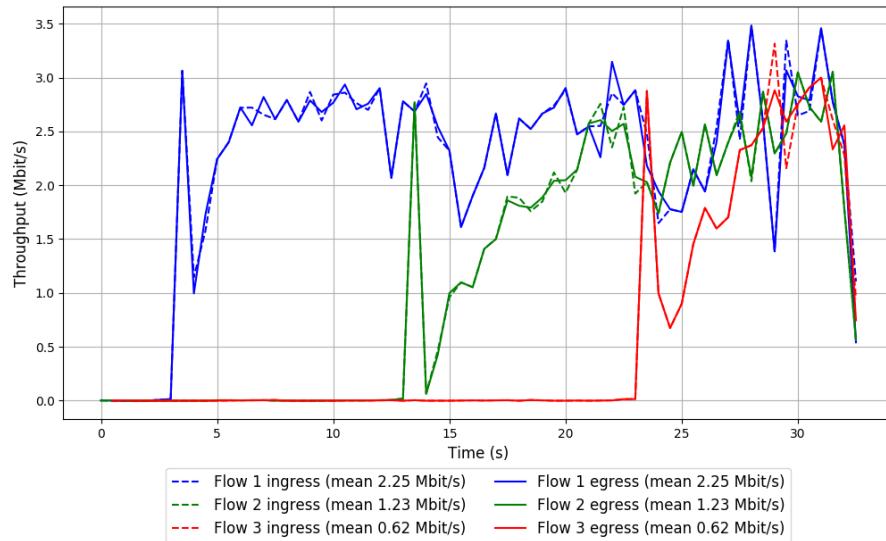


Run 5: Statistics of WebRTC media

```
Start at: 2018-01-31 23:08:46
End at: 2018-01-31 23:09:16
Local clock offset: -0.081 ms
Remote clock offset: -5.813 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 9.586 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 9.661 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 9.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 9.629 ms
Loss rate: 0.51%
```

Run 5: Report of WebRTC media — Data Link

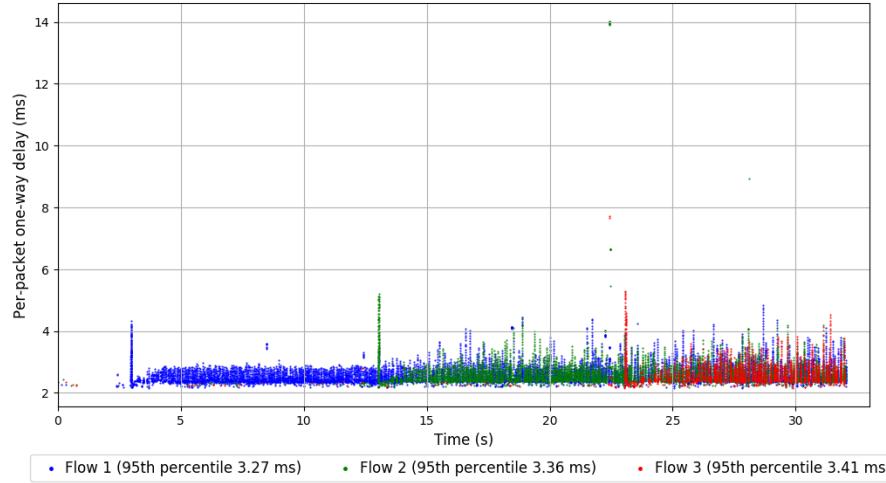
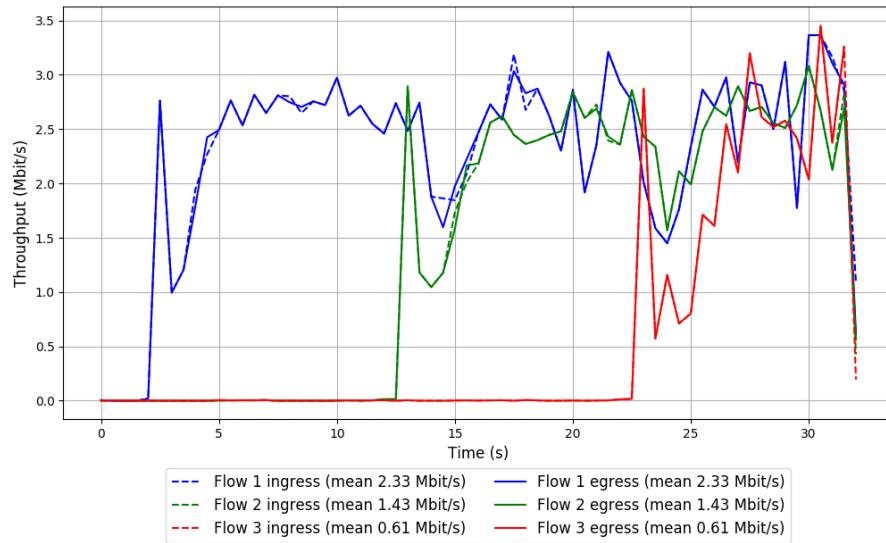


Run 6: Statistics of WebRTC media

```
Start at: 2018-01-31 23:30:40
End at: 2018-01-31 23:31:10
Local clock offset: -0.025 ms
Remote clock offset: 0.525 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 3.320 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 3.268 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 3.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 3.411 ms
Loss rate: 0.50%
```

Run 6: Report of WebRTC media — Data Link

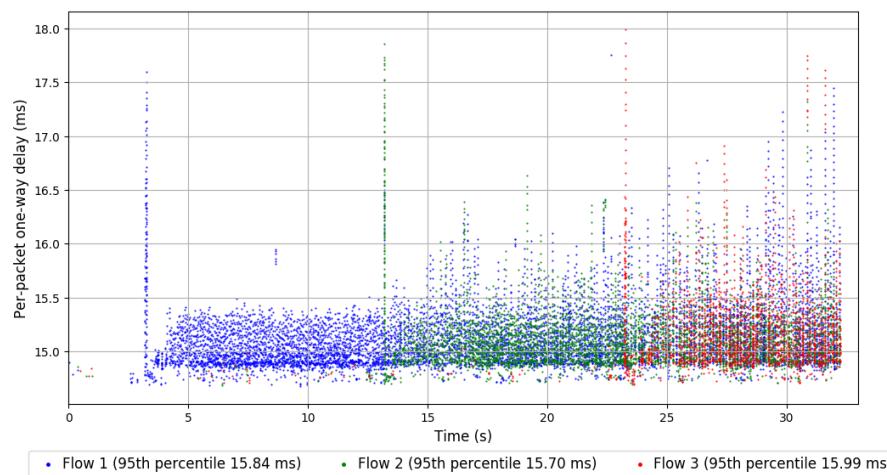
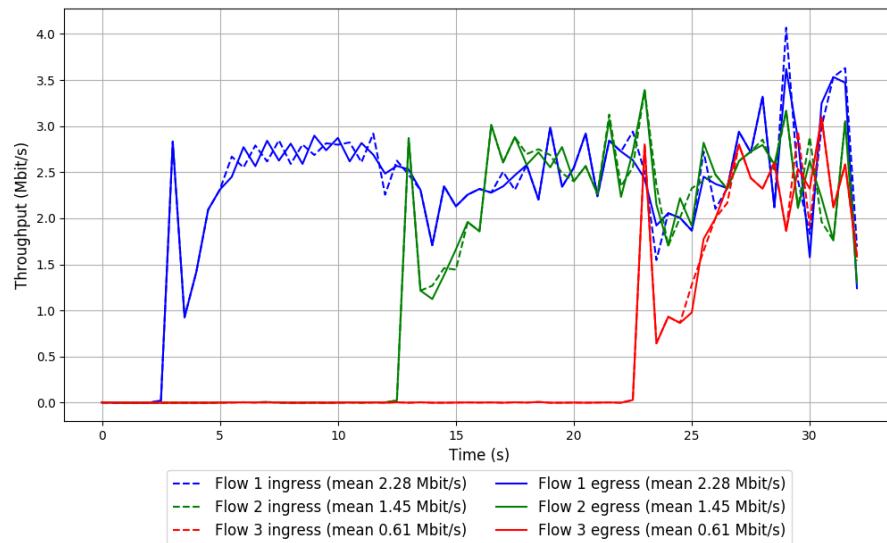


Run 7: Statistics of WebRTC media

```
Start at: 2018-01-31 23:52:19
End at: 2018-01-31 23:52:49
Local clock offset: -0.004 ms
Remote clock offset: -11.876 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 15.822 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 15.836 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 15.695 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 15.990 ms
Loss rate: 0.01%
```

Run 7: Report of WebRTC media — Data Link

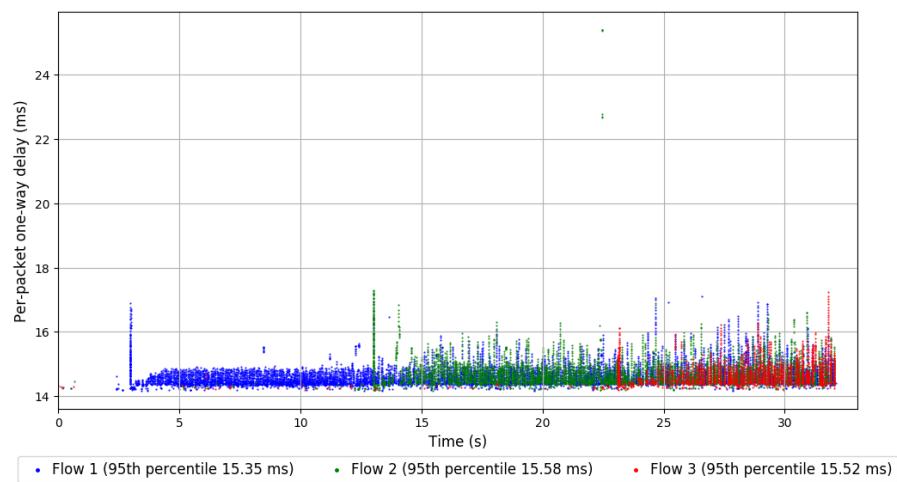
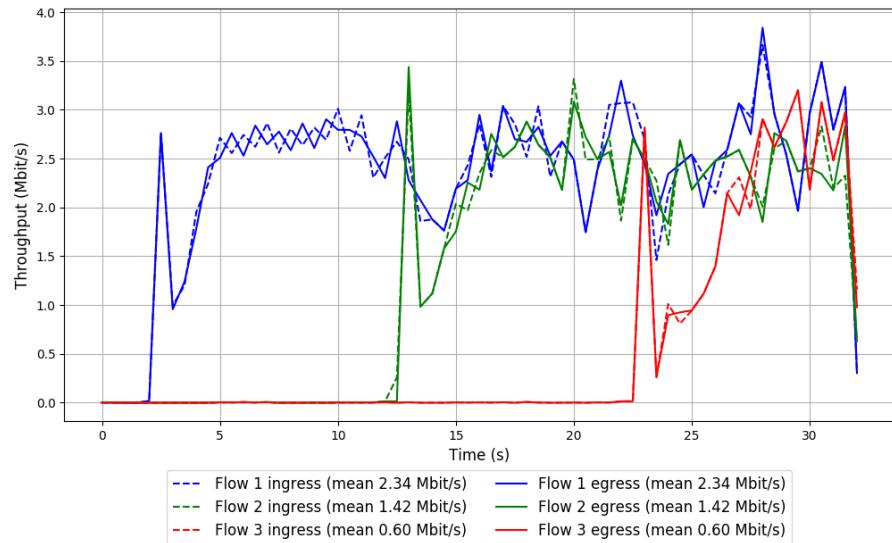


Run 8: Statistics of WebRTC media

```
Start at: 2018-02-01 00:14:29
End at: 2018-02-01 00:14:59
Local clock offset: 0.173 ms
Remote clock offset: -11.142 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 15.468 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 15.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 15.579 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 15.522 ms
Loss rate: 0.47%
```

Run 8: Report of WebRTC media — Data Link

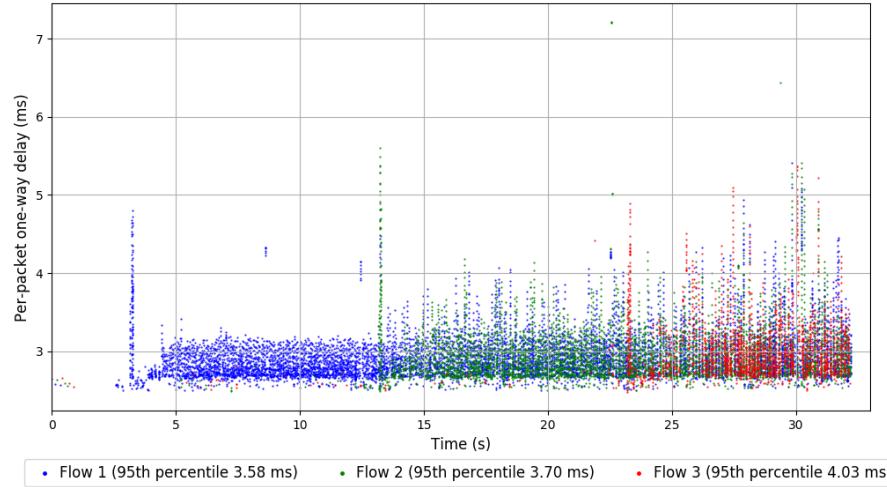
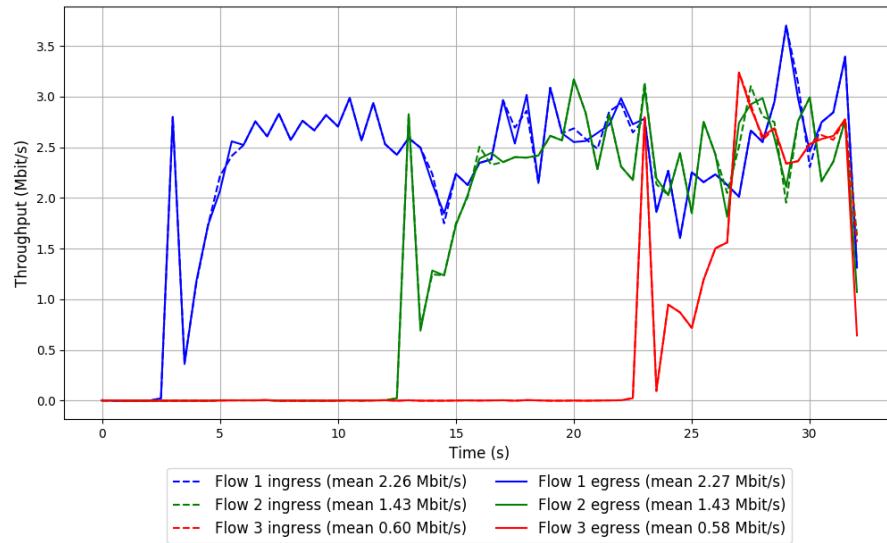


Run 9: Statistics of WebRTC media

```
Start at: 2018-02-01 00:36:27
End at: 2018-02-01 00:36:57
Local clock offset: 0.338 ms
Remote clock offset: 0.812 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 3.679 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 3.581 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 3.697 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 4.027 ms
Loss rate: 2.42%
```

### Run 9: Report of WebRTC media — Data Link

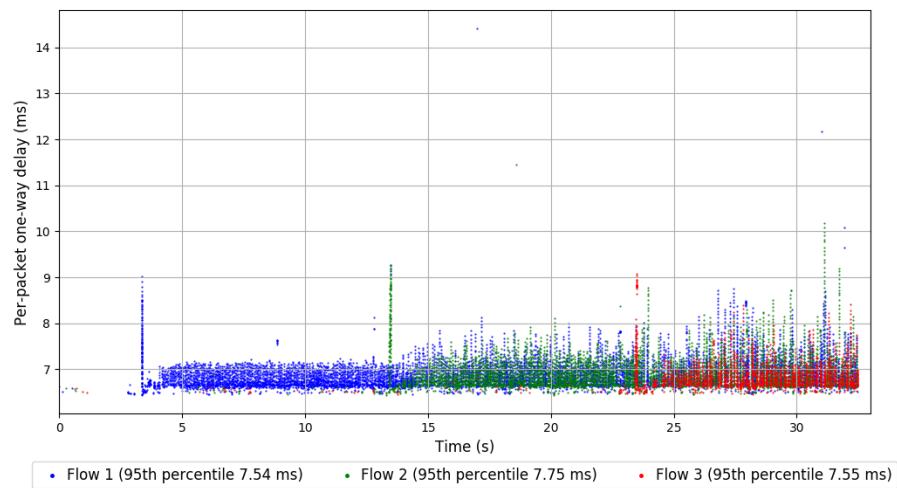
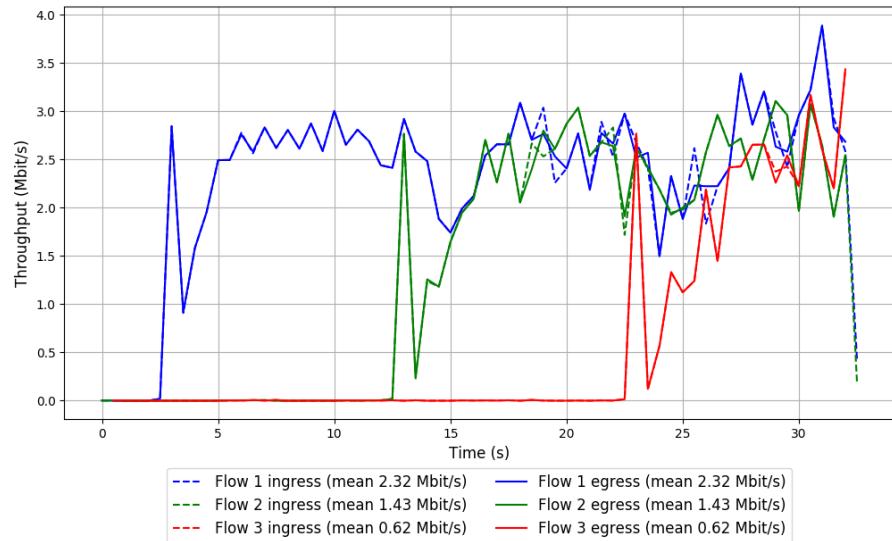


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-02-01 00:58:13
End at: 2018-02-01 00:58:43
Local clock offset: 0.421 ms
Remote clock offset: -3.052 ms

# Below is generated by plot.py at 2018-02-01 04:47:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 7.600 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 7.545 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 7.755 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 7.549 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

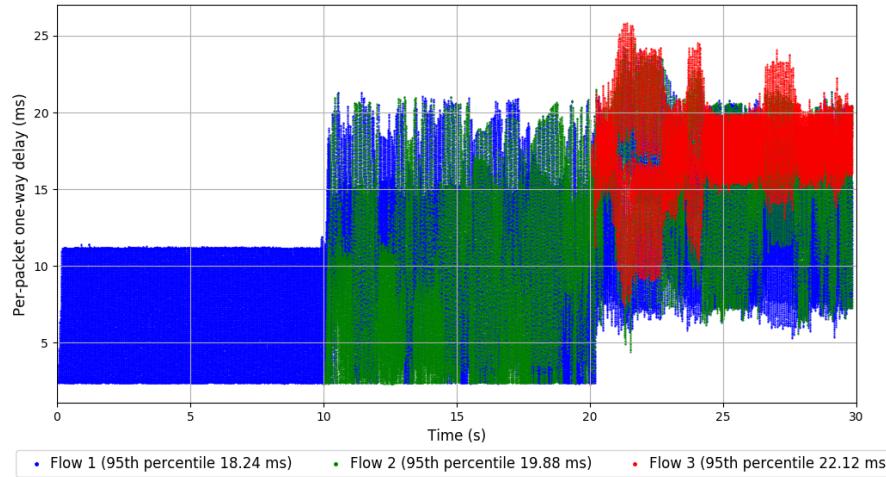
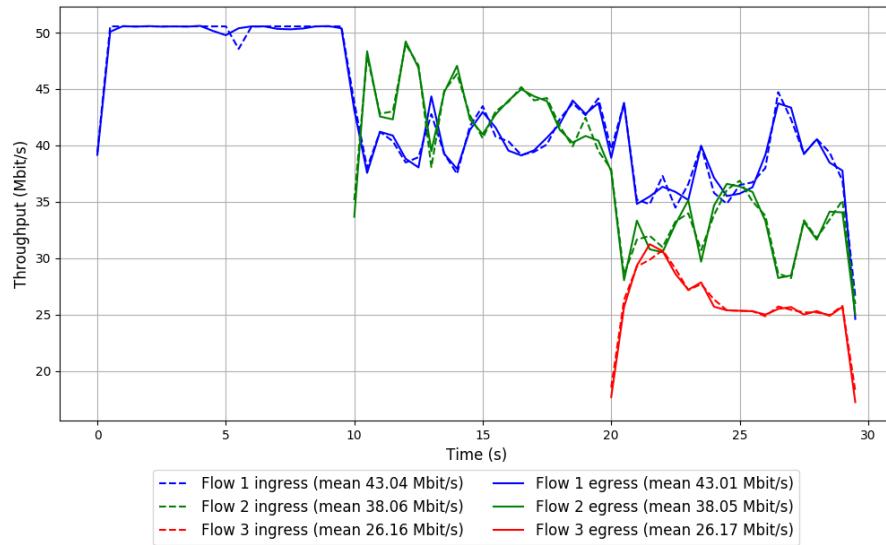


Run 1: Statistics of Sprout

```
Start at: 2018-01-31 21:44:57
End at: 2018-01-31 21:45:27
Local clock offset: -0.035 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-02-01 04:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 43.01 Mbit/s
95th percentile per-packet one-way delay: 18.239 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 22.117 ms
Loss rate: 0.40%
```

## Run 1: Report of Sprout — Data Link

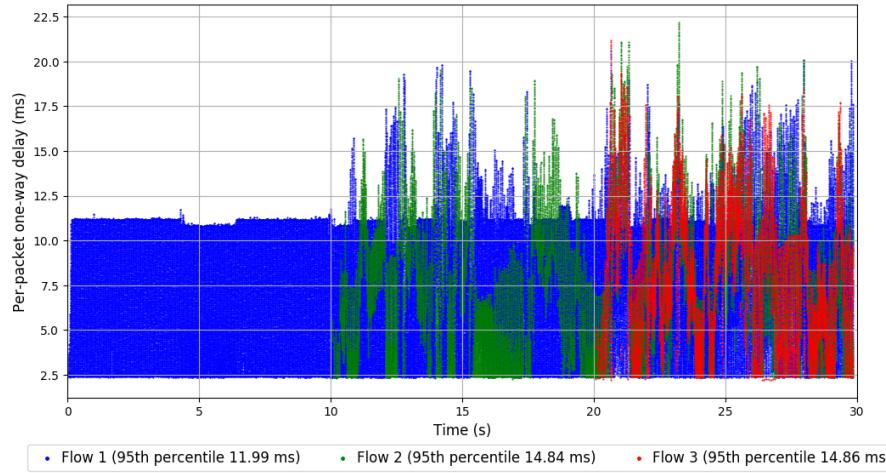
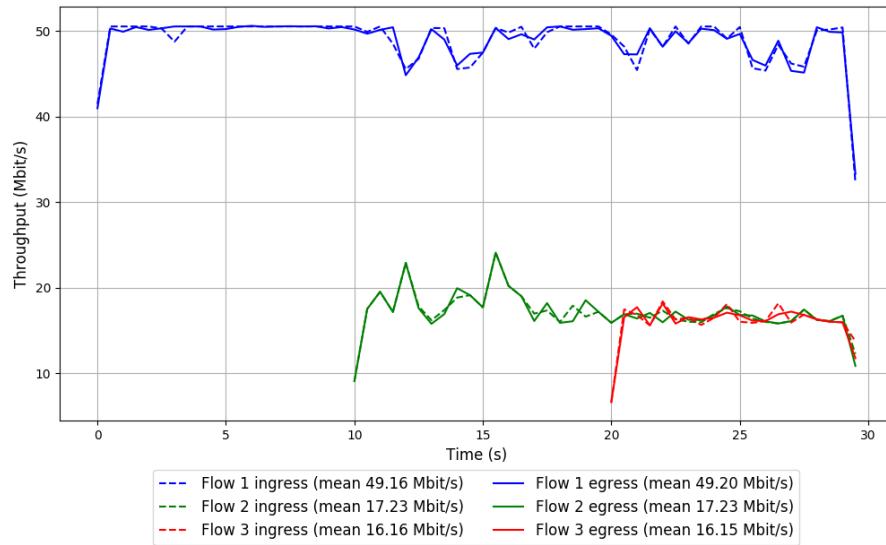


Run 2: Statistics of Sprout

```
Start at: 2018-01-31 22:06:25
End at: 2018-01-31 22:06:55
Local clock offset: -0.011 ms
Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2018-02-01 04:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 13.183 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 11.988 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 14.841 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 14.864 ms
Loss rate: 0.63%
```

## Run 2: Report of Sprout — Data Link

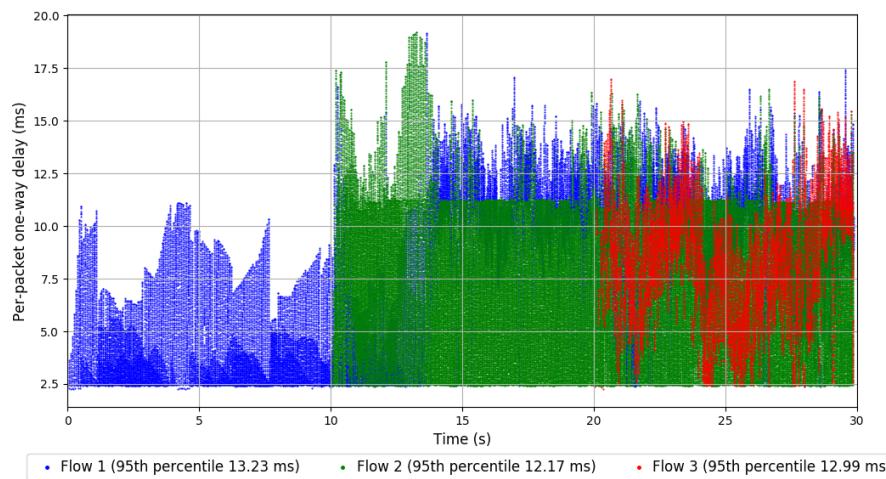
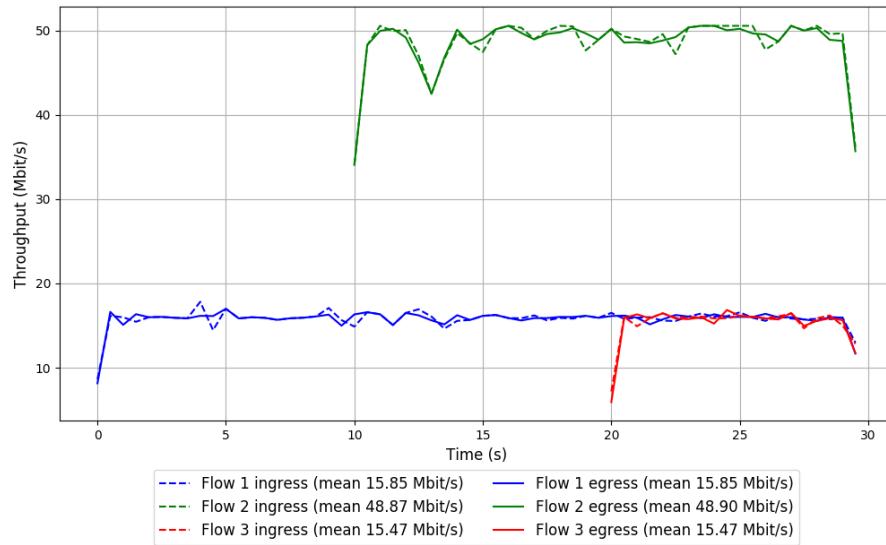


Run 3: Statistics of Sprout

```
Start at: 2018-01-31 22:27:51
End at: 2018-01-31 22:28:21
Local clock offset: -0.01 ms
Remote clock offset: 0.353 ms

# Below is generated by plot.py at 2018-02-01 04:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 12.794 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 13.234 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 48.90 Mbit/s
95th percentile per-packet one-way delay: 12.166 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 12.988 ms
Loss rate: 0.37%
```

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

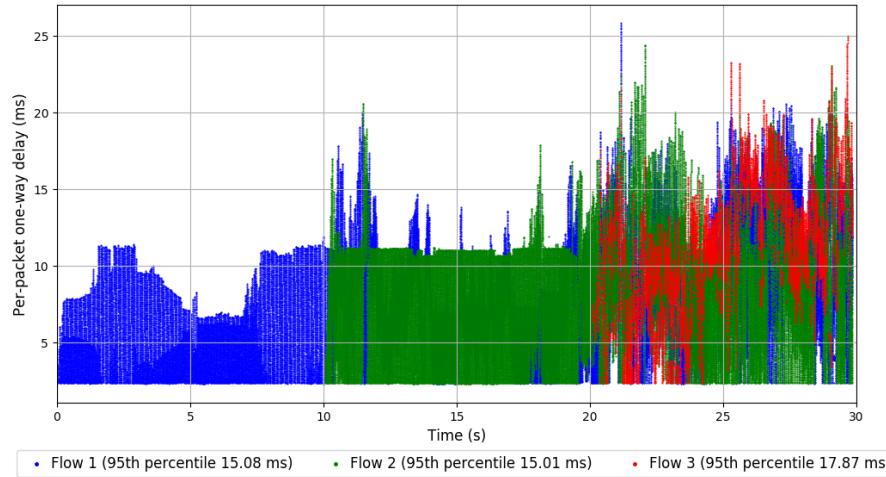
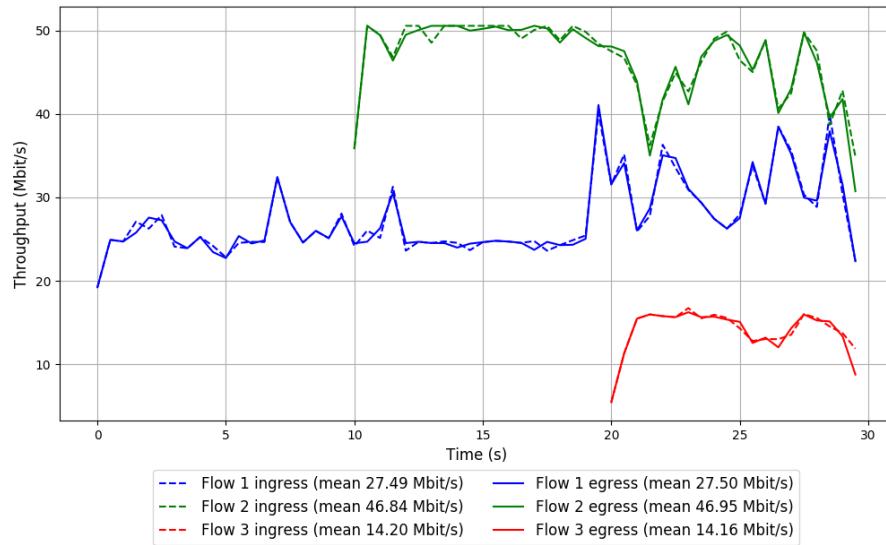


Run 4: Statistics of Sprout

```
Start at: 2018-01-31 22:49:18
End at: 2018-01-31 22:49:48
Local clock offset: 0.006 ms
Remote clock offset: 0.708 ms

# Below is generated by plot.py at 2018-02-01 04:47:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.35 Mbit/s
95th percentile per-packet one-way delay: 15.464 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 15.080 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 15.005 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 17.866 ms
Loss rate: 1.24%
```

## Run 4: Report of Sprout — Data Link

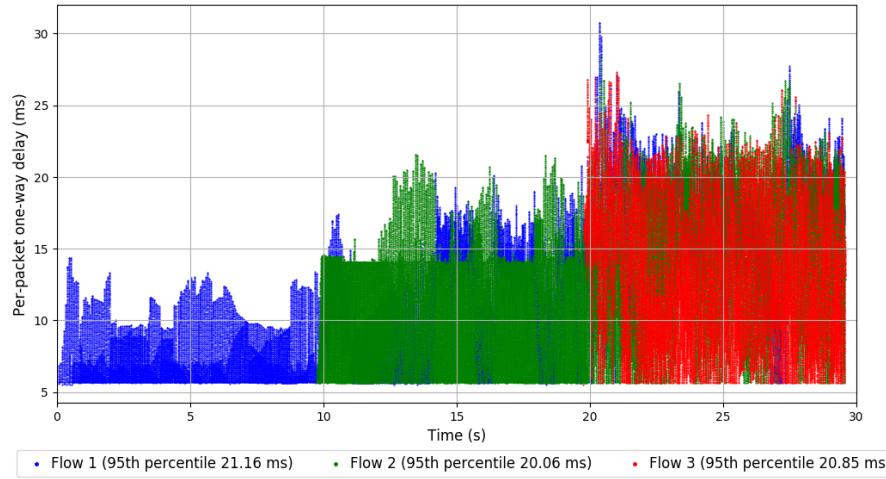
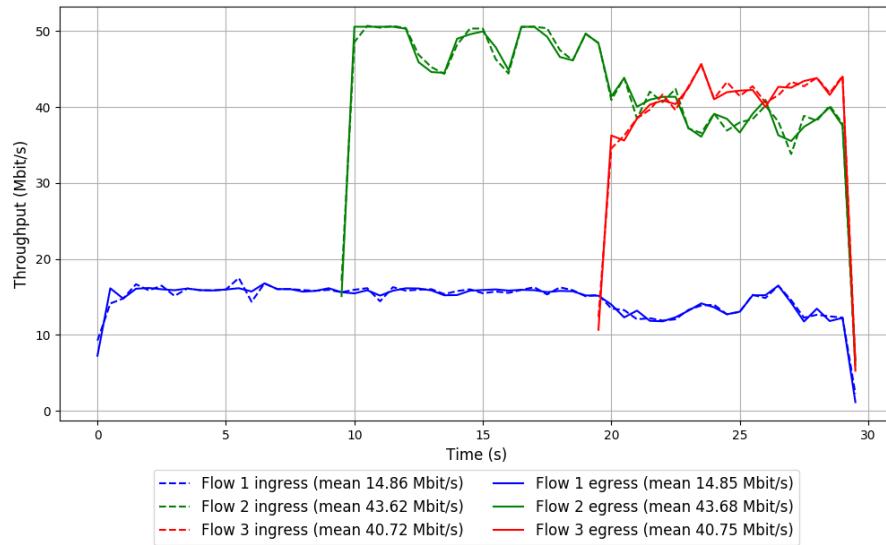


Run 5: Statistics of Sprout

```
Start at: 2018-01-31 23:11:15
End at: 2018-01-31 23:11:45
Local clock offset: -0.041 ms
Remote clock offset: -2.66 ms

# Below is generated by plot.py at 2018-02-01 04:48:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 20.543 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 21.165 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 43.68 Mbit/s
95th percentile per-packet one-way delay: 20.056 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 20.849 ms
Loss rate: 0.27%
```

Run 5: Report of Sprout — Data Link

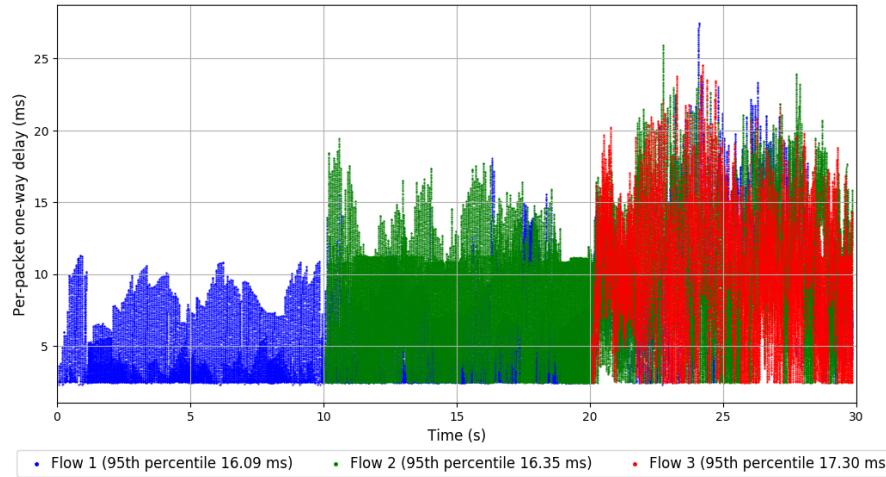
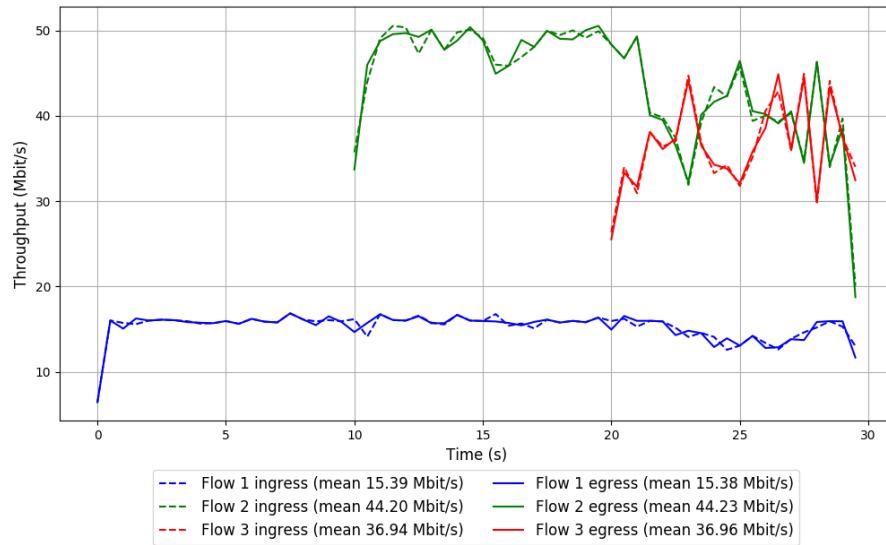


Run 6: Statistics of Sprout

```
Start at: 2018-01-31 23:33:05
End at: 2018-01-31 23:33:35
Local clock offset: -0.036 ms
Remote clock offset: 0.403 ms

# Below is generated by plot.py at 2018-02-01 04:48:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 16.544 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 16.087 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 16.346 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 17.299 ms
Loss rate: 0.29%
```

Run 6: Report of Sprout — Data Link

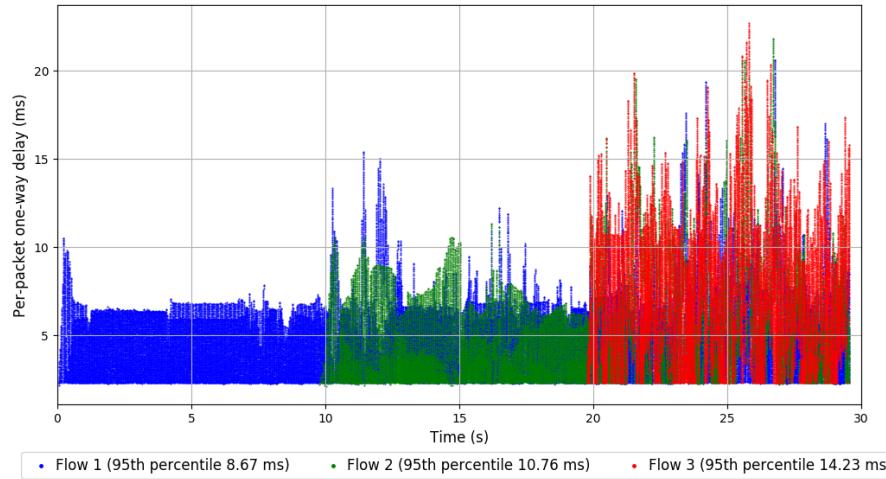
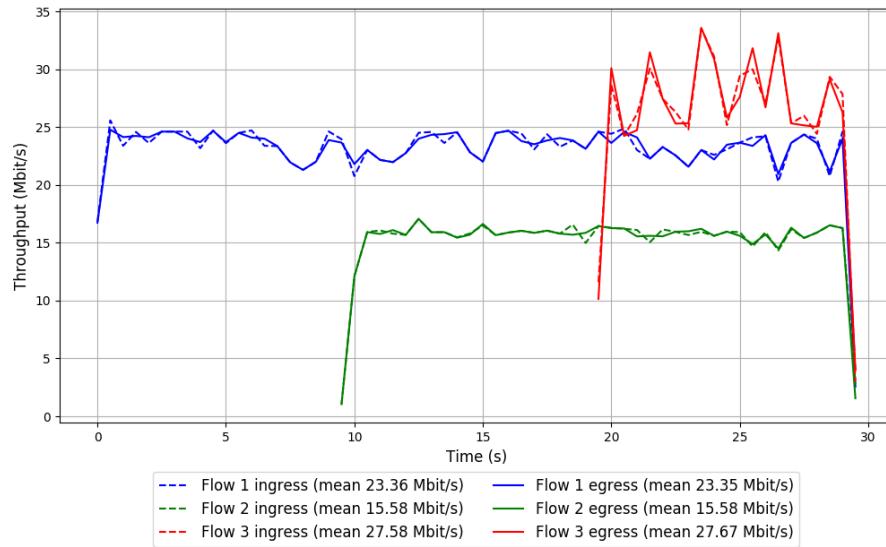


Run 7: Statistics of Sprout

```
Start at: 2018-01-31 23:54:41
End at: 2018-01-31 23:55:11
Local clock offset: -0.078 ms
Remote clock offset: 0.63 ms

# Below is generated by plot.py at 2018-02-01 04:48:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 11.406 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 8.669 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 27.67 Mbit/s
95th percentile per-packet one-way delay: 14.231 ms
Loss rate: 0.18%
```

Run 7: Report of Sprout — Data Link

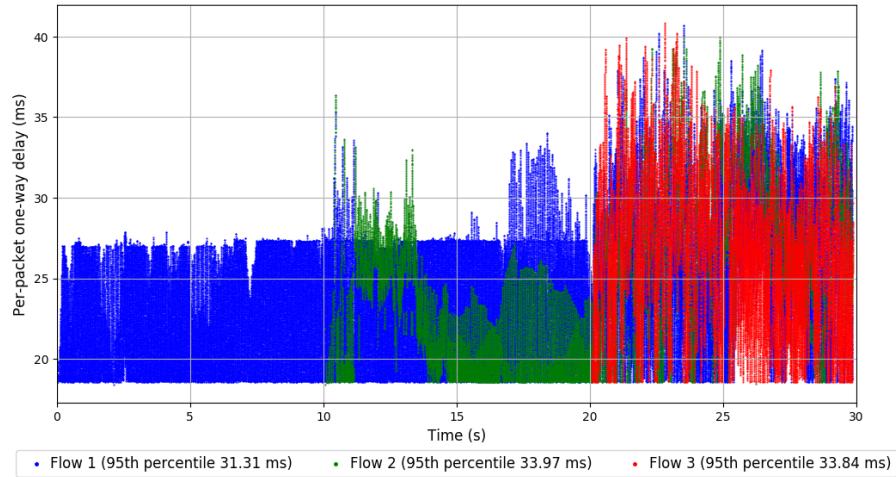
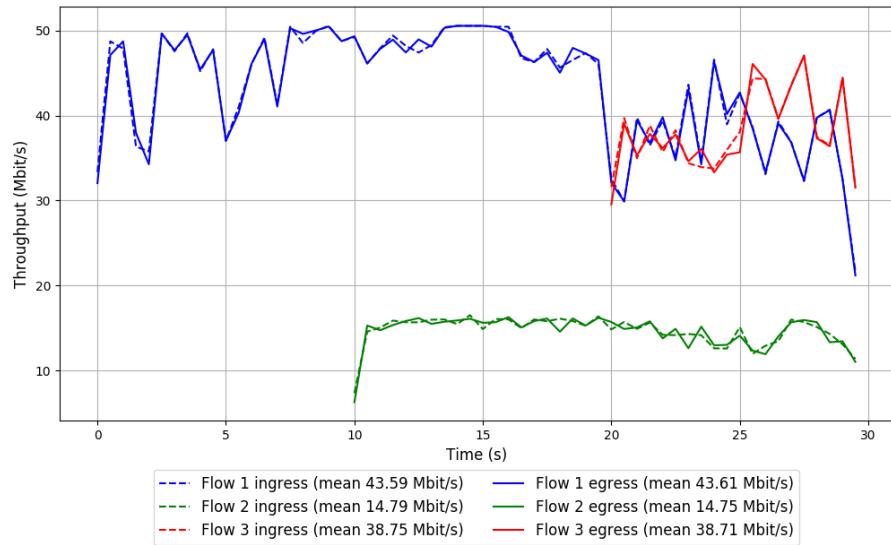


Run 8: Statistics of Sprout

```
Start at: 2018-02-01 00:16:53
End at: 2018-02-01 00:17:23
Local clock offset: 0.147 ms
Remote clock offset: -15.348 ms

# Below is generated by plot.py at 2018-02-01 04:48:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 31.311 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 33.970 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 33.843 ms
Loss rate: 0.44%
```

Run 8: Report of Sprout — Data Link

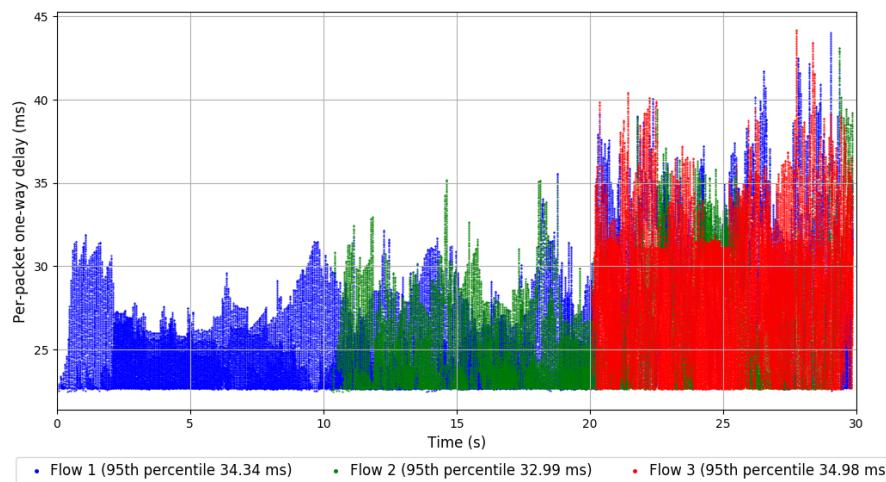
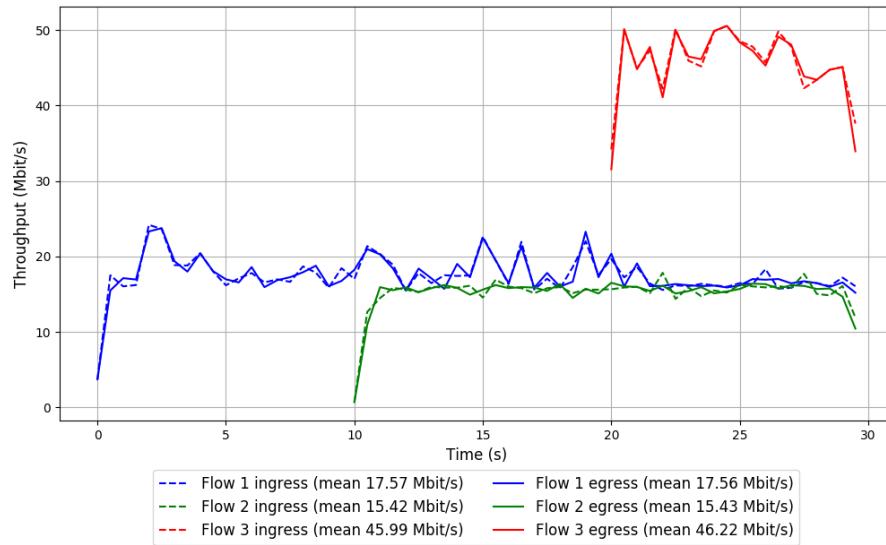


Run 9: Statistics of Sprout

```
Start at: 2018-02-01 00:38:47
End at: 2018-02-01 00:39:17
Local clock offset: 0.357 ms
Remote clock offset: -19.15 ms

# Below is generated by plot.py at 2018-02-01 04:48:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 34.351 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 34.338 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 32.987 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 46.22 Mbit/s
95th percentile per-packet one-way delay: 34.982 ms
Loss rate: 0.62%
```

Run 9: Report of Sprout — Data Link

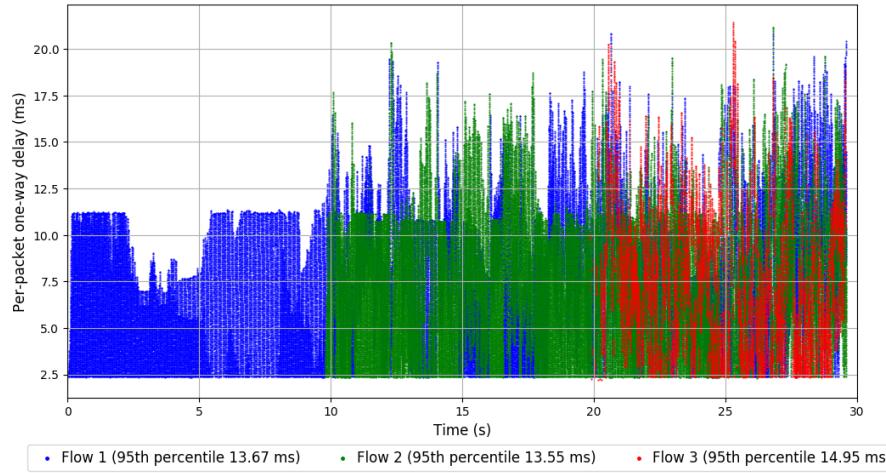
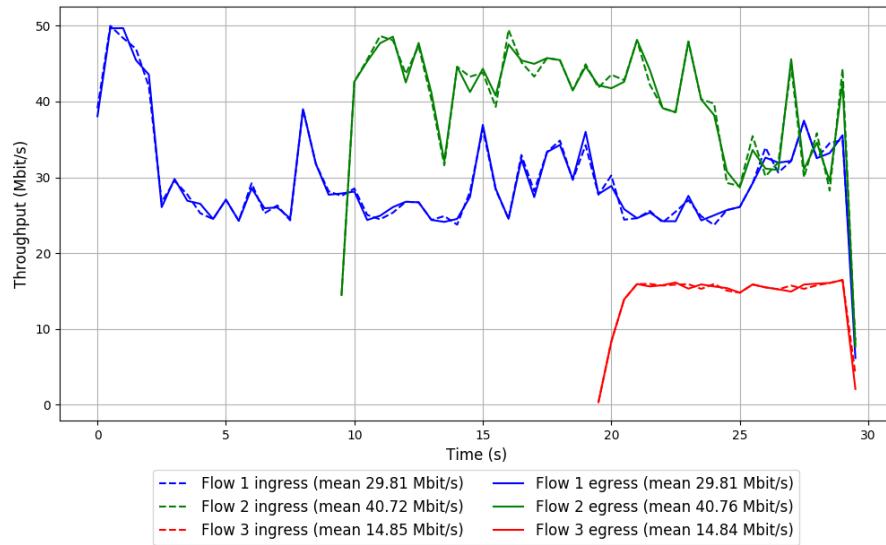


Run 10: Statistics of Sprout

```
Start at: 2018-02-01 01:00:38
End at: 2018-02-01 01:01:08
Local clock offset: 0.484 ms
Remote clock offset: 1.277 ms

# Below is generated by plot.py at 2018-02-01 04:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 13.749 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 13.672 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 13.555 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 14.84 Mbit/s
95th percentile per-packet one-way delay: 14.952 ms
Loss rate: 0.67%
```

Run 10: Report of Sprout — Data Link

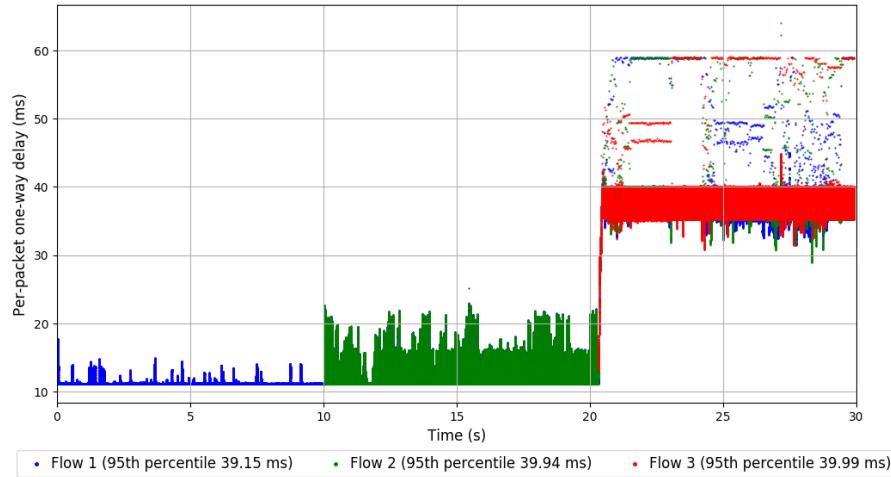
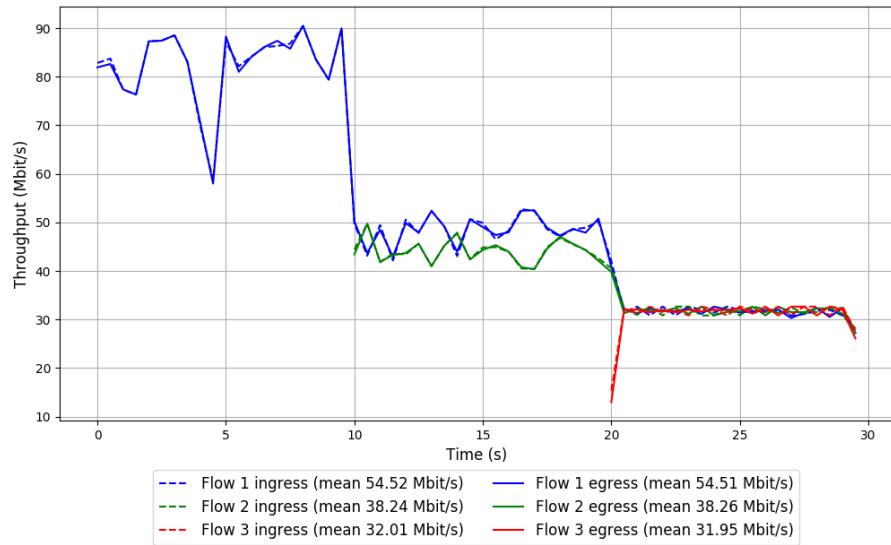


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-01-31 21:49:43
End at: 2018-01-31 21:50:13
Local clock offset: -0.054 ms
Remote clock offset: -8.812 ms

# Below is generated by plot.py at 2018-02-01 04:50:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.21 Mbit/s
95th percentile per-packet one-way delay: 39.896 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 39.151 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 39.937 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 39.994 ms
Loss rate: 0.67%
```

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

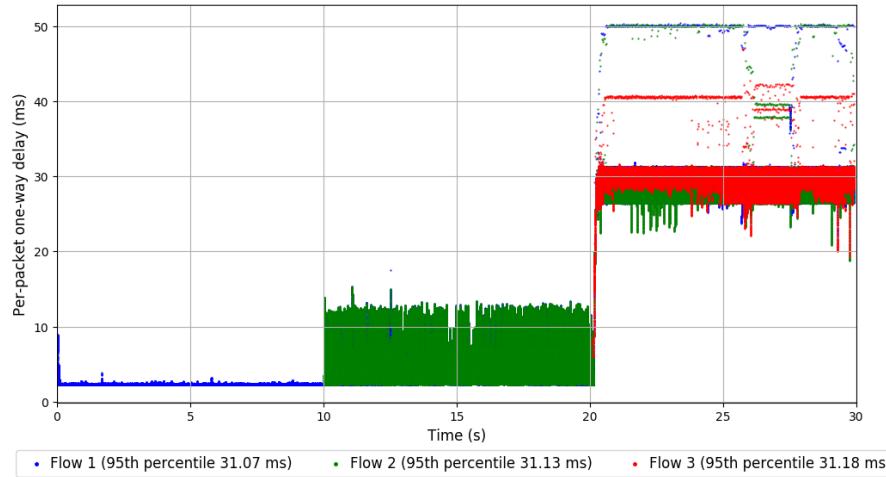
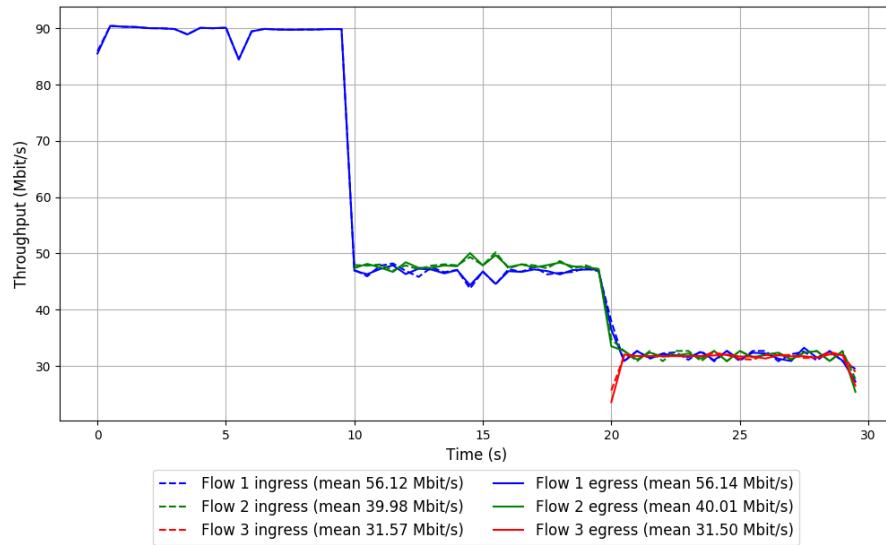


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-01-31 22:11:11
End at: 2018-01-31 22:11:41
Local clock offset: -0.041 ms
Remote clock offset: 0.207 ms

# Below is generated by plot.py at 2018-02-01 04:50:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 31.068 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 31.131 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 0.74%
```

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

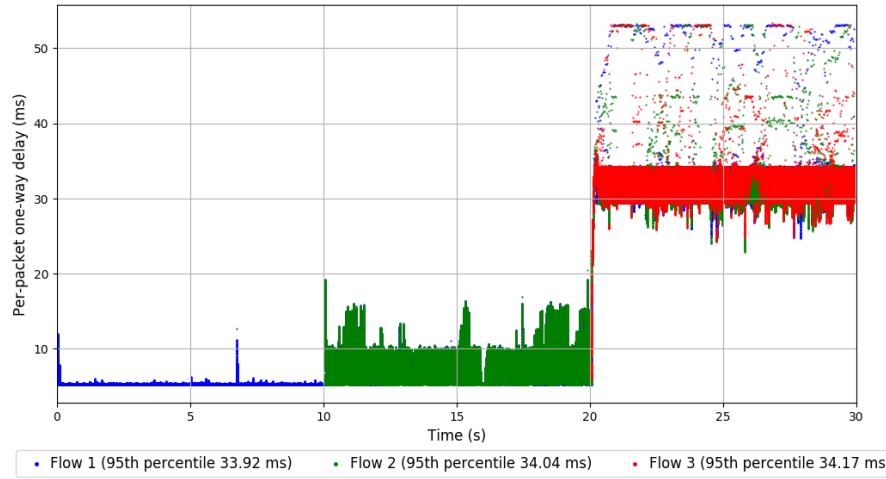
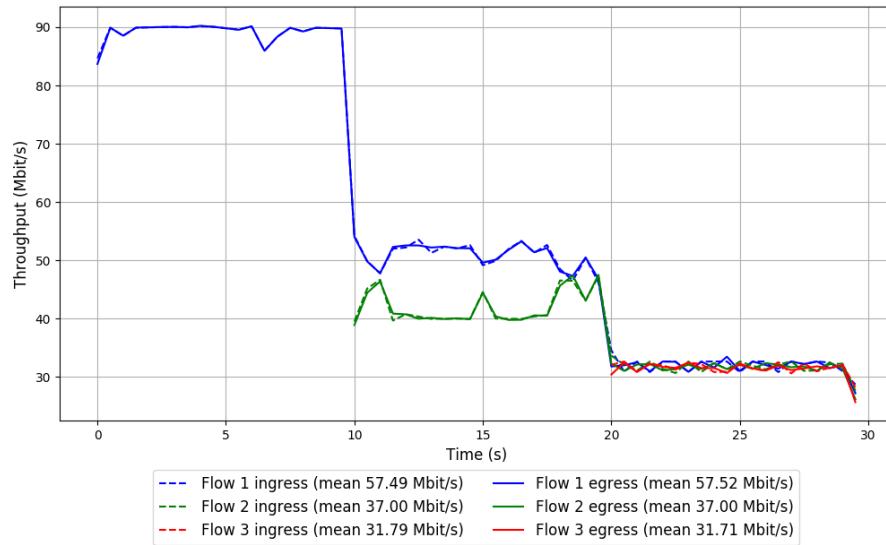


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-01-31 22:32:32
End at: 2018-01-31 22:33:02
Local clock offset: 0.014 ms
Remote clock offset: -2.451 ms

# Below is generated by plot.py at 2018-02-01 04:50:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 34.056 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 57.52 Mbit/s
95th percentile per-packet one-way delay: 33.924 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 34.043 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 31.71 Mbit/s
95th percentile per-packet one-way delay: 34.170 ms
Loss rate: 0.72%
```

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

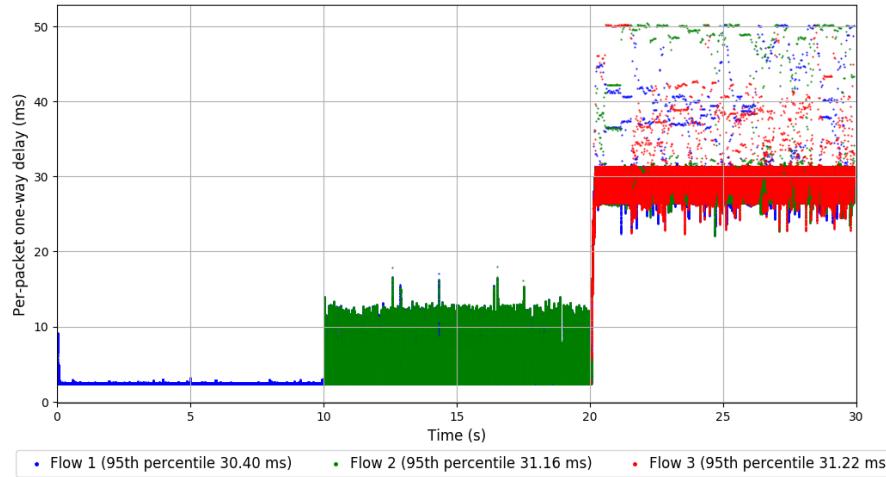
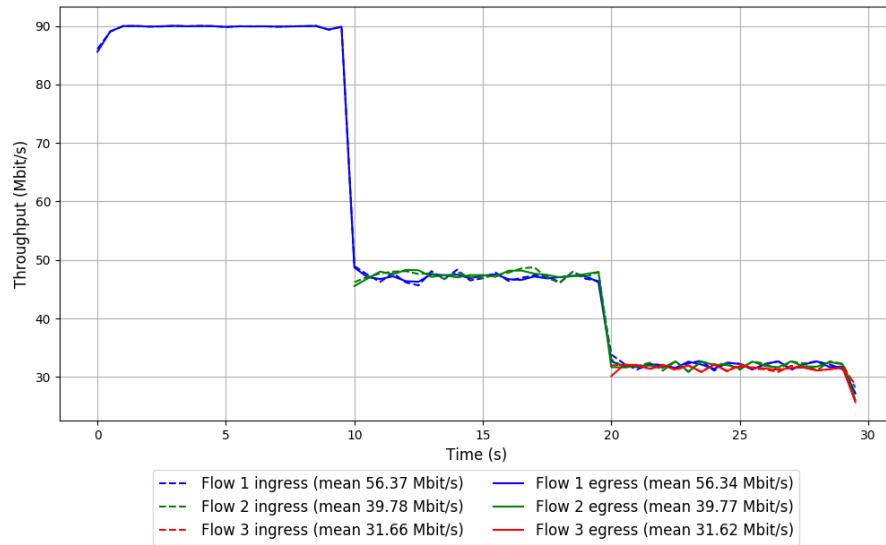


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-01-31 22:54:18
End at: 2018-01-31 22:54:48
Local clock offset: 0.019 ms
Remote clock offset: 0.698 ms

# Below is generated by plot.py at 2018-02-01 04:50:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 30.403 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 31.164 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.77%
```

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

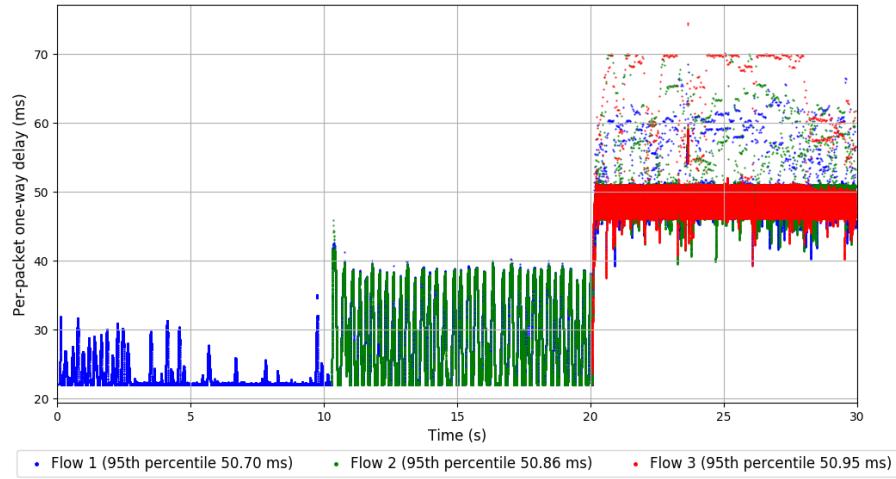
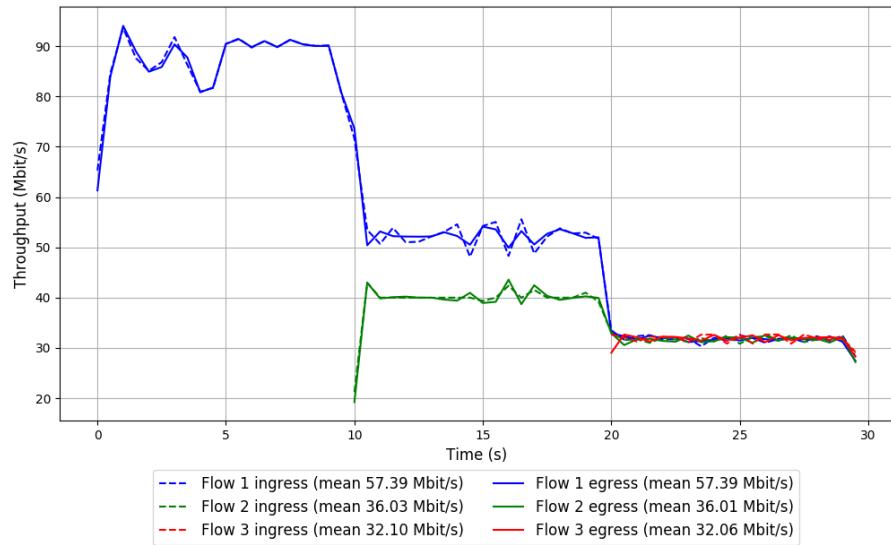


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-01-31 23:16:06
End at: 2018-01-31 23:16:36
Local clock offset: -0.026 ms
Remote clock offset: -19.125 ms

# Below is generated by plot.py at 2018-02-01 04:50:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 50.856 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 50.698 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 50.861 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 50.953 ms
Loss rate: 0.60%
```

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

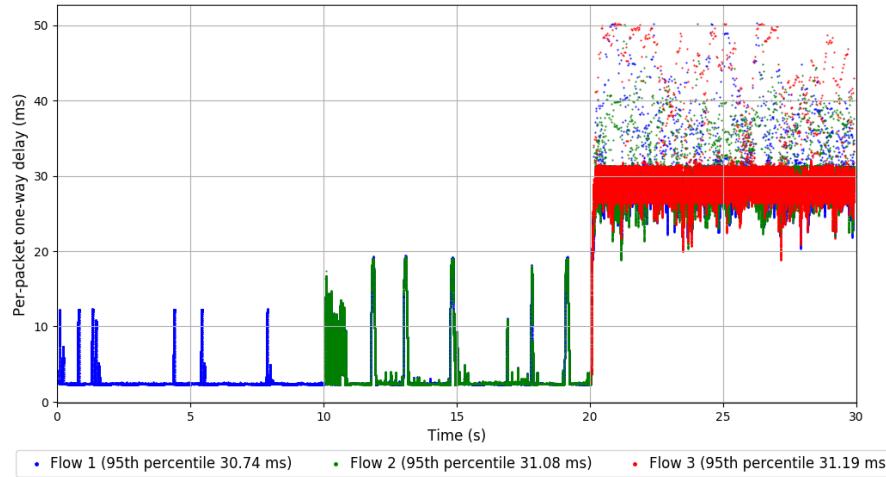
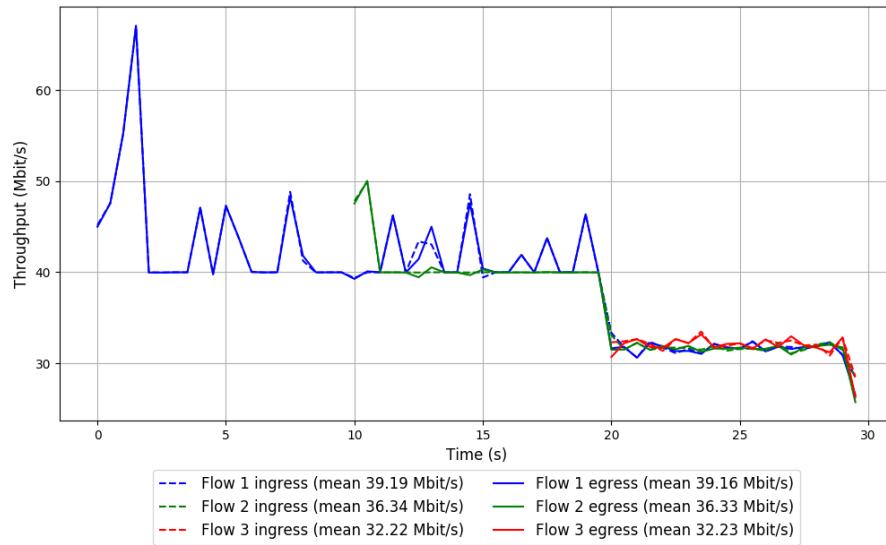


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-01-31 23:37:57
End at: 2018-01-31 23:38:27
Local clock offset: -0.081 ms
Remote clock offset: 0.416 ms

# Below is generated by plot.py at 2018-02-01 04:50:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.95 Mbit/s
95th percentile per-packet one-way delay: 31.069 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 30.738 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 31.081 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 31.194 ms
Loss rate: 0.63%
```

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

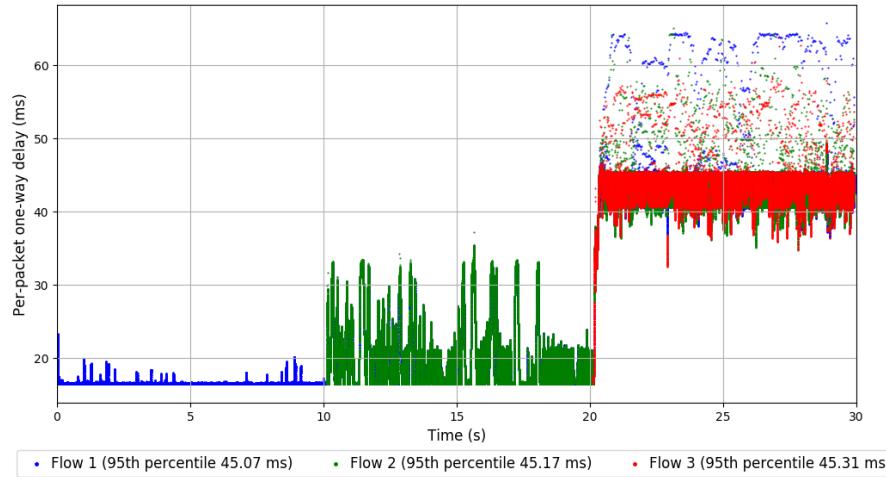
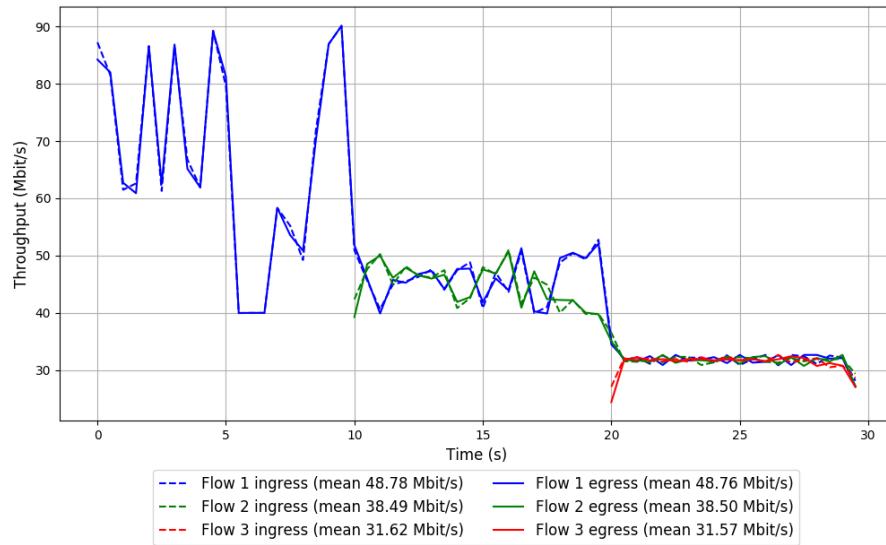


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-01-31 23:59:54
End at: 2018-02-01 00:00:24
Local clock offset: -0.026 ms
Remote clock offset: -13.475 ms

# Below is generated by plot.py at 2018-02-01 04:50:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 45.206 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 45.074 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 45.168 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 45.312 ms
Loss rate: 0.71%
```

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

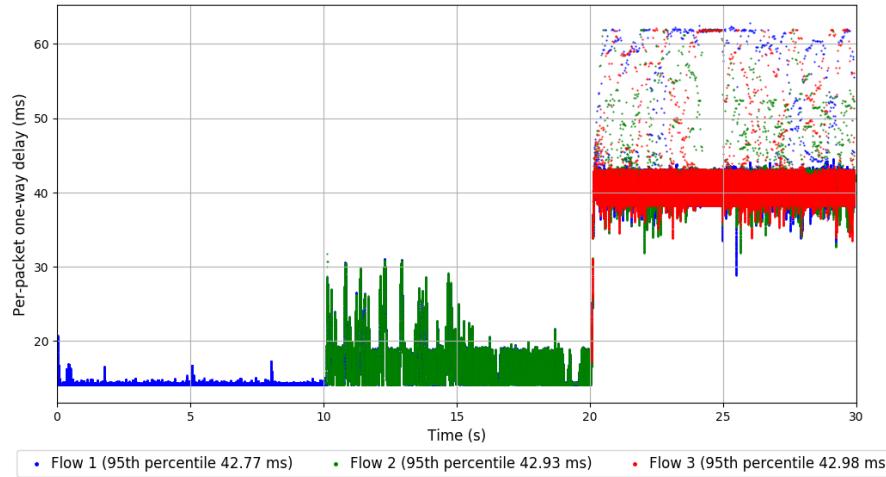
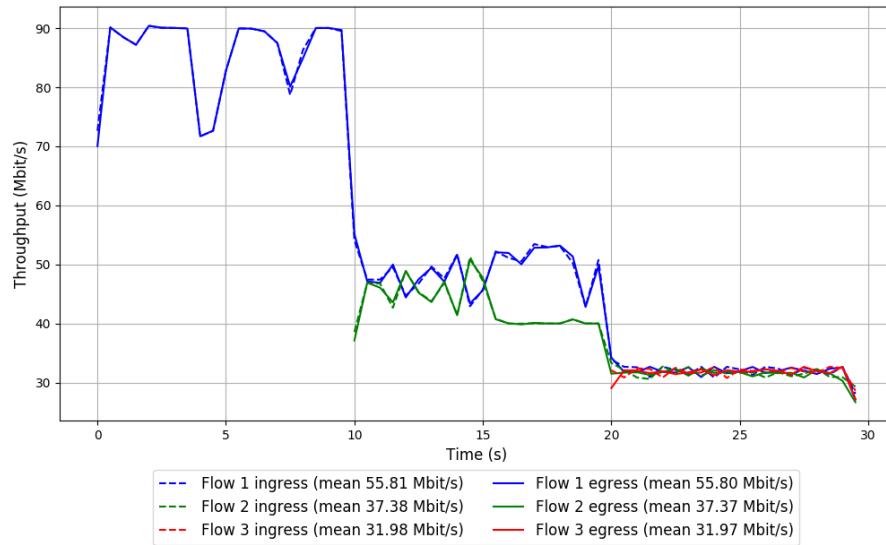


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-02-01 00:21:43
End at: 2018-02-01 00:22:13
Local clock offset: 0.214 ms
Remote clock offset: -10.814 ms

# Below is generated by plot.py at 2018-02-01 04:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 42.910 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 42.772 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.37 Mbit/s
95th percentile per-packet one-way delay: 42.926 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 42.985 ms
Loss rate: 0.76%
```

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

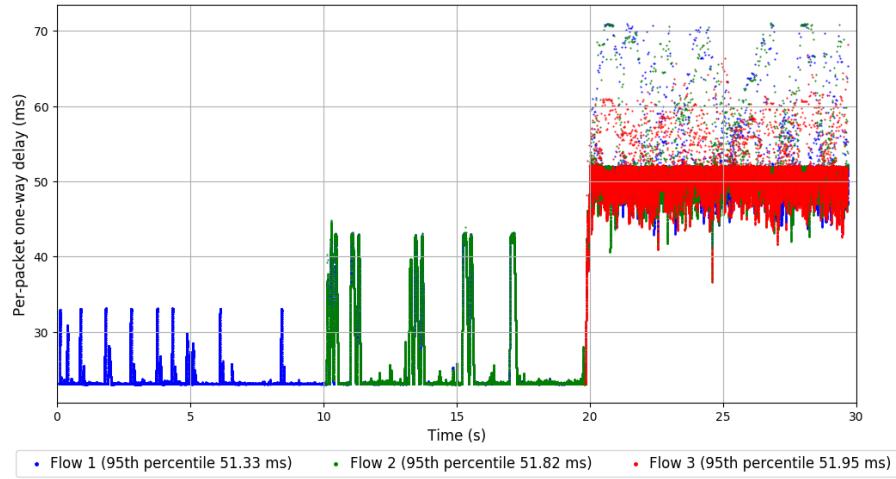
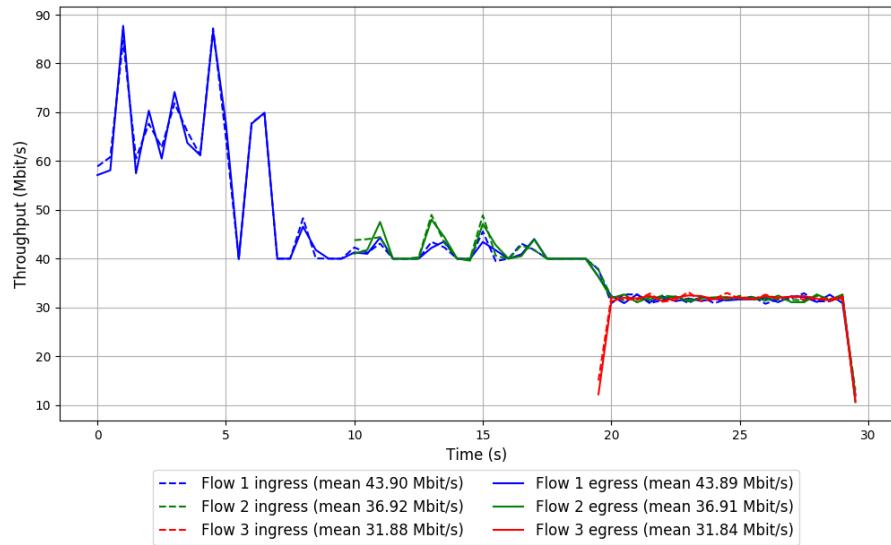


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-02-01 00:43:35
End at: 2018-02-01 00:44:05
Local clock offset: 0.373 ms
Remote clock offset: -19.554 ms

# Below is generated by plot.py at 2018-02-01 04:52:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 51.330 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 51.821 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 51.948 ms
Loss rate: 0.65%
```

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

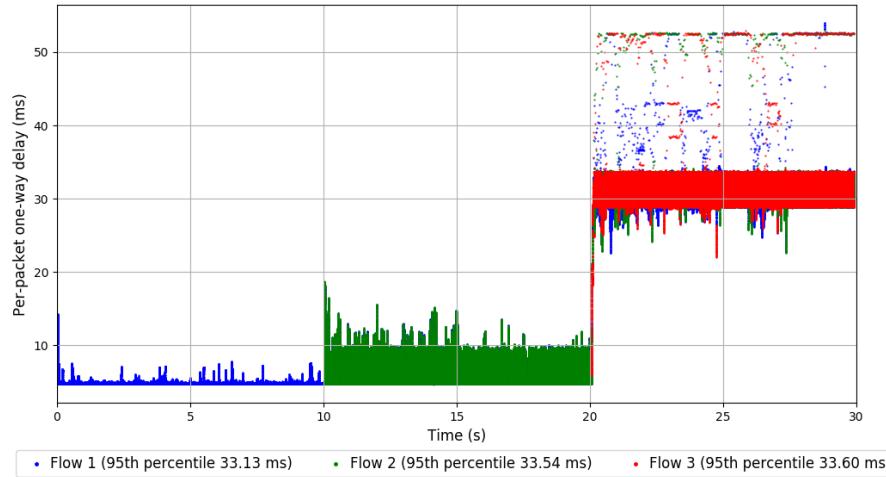
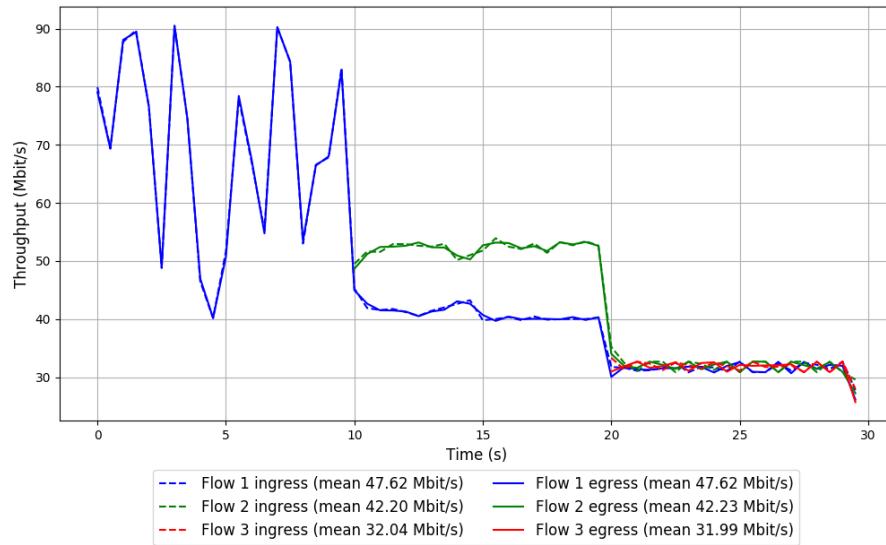


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-02-01 01:06:11
End at: 2018-02-01 01:06:41
Local clock offset: 0.519 ms
Remote clock offset: -1.037 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 33.522 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 33.126 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 33.543 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 33.602 ms
Loss rate: 0.65%
```

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

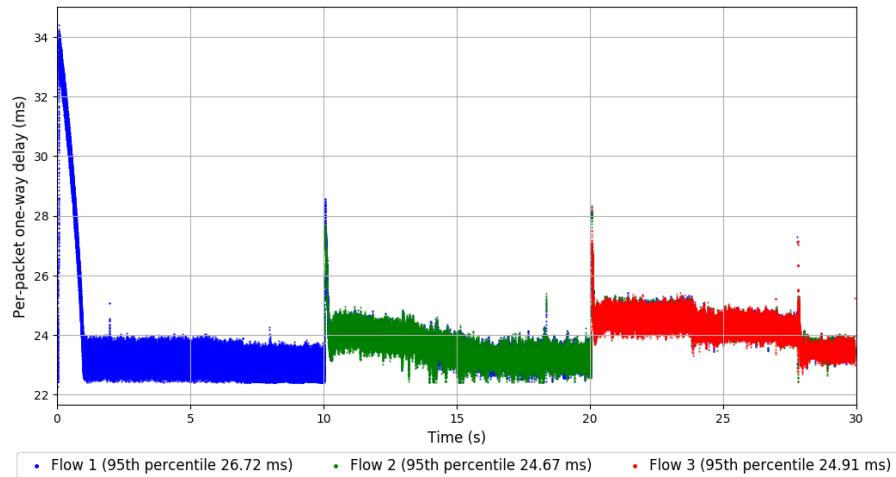
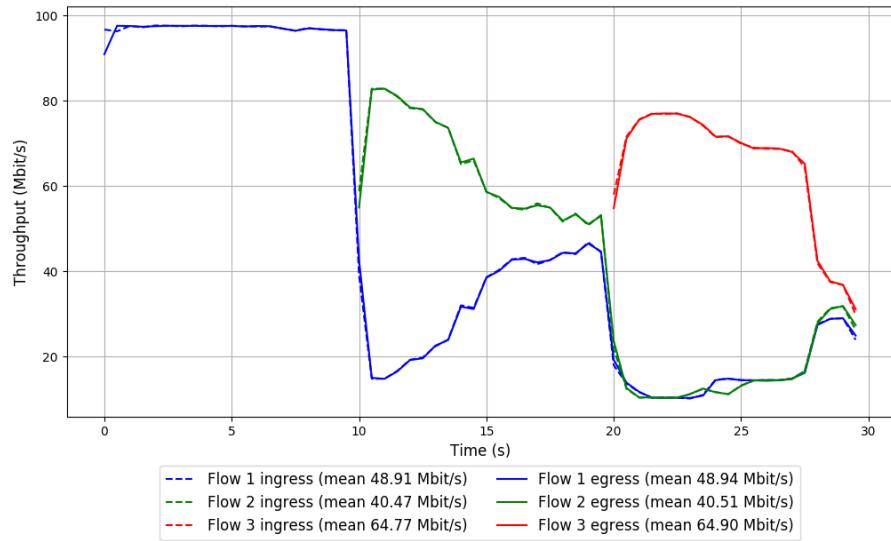


Run 1: Statistics of TCP Vegas

```
Start at: 2018-01-31 21:32:21
End at: 2018-01-31 21:32:51
Local clock offset: -0.057 ms
Remote clock offset: -20.225 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 24.937 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 26.718 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 24.667 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 24.915 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Vegas — Data Link

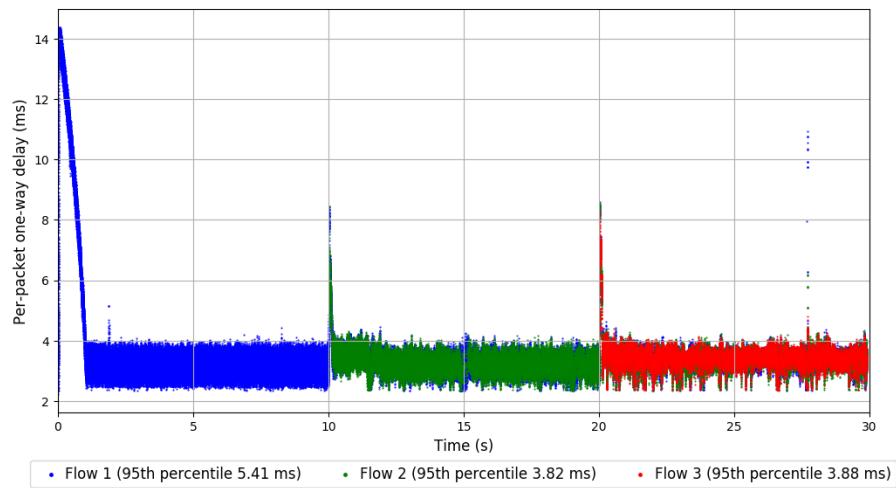
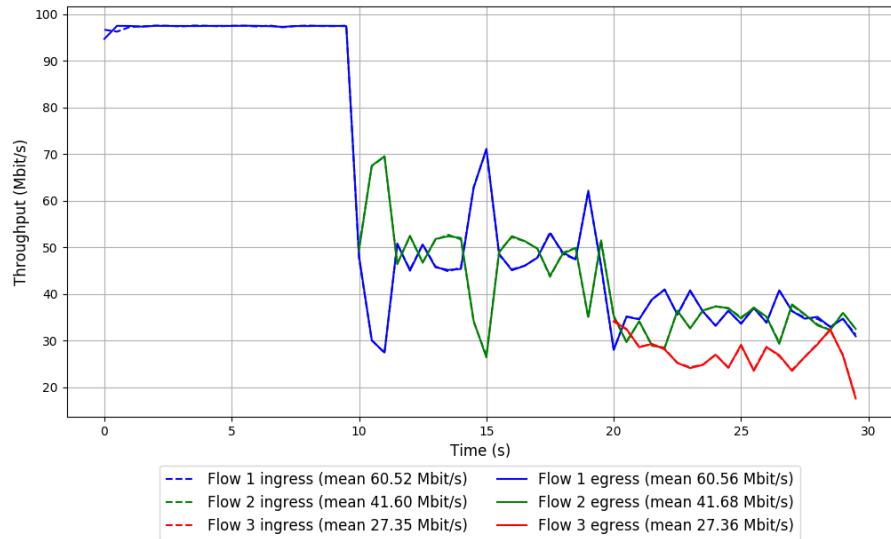


Run 2: Statistics of TCP Vegas

```
Start at: 2018-01-31 21:54:32
End at: 2018-01-31 21:55:02
Local clock offset: -0.059 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 3.942 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 5.407 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 3.821 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 27.36 Mbit/s
95th percentile per-packet one-way delay: 3.875 ms
Loss rate: 0.21%
```

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

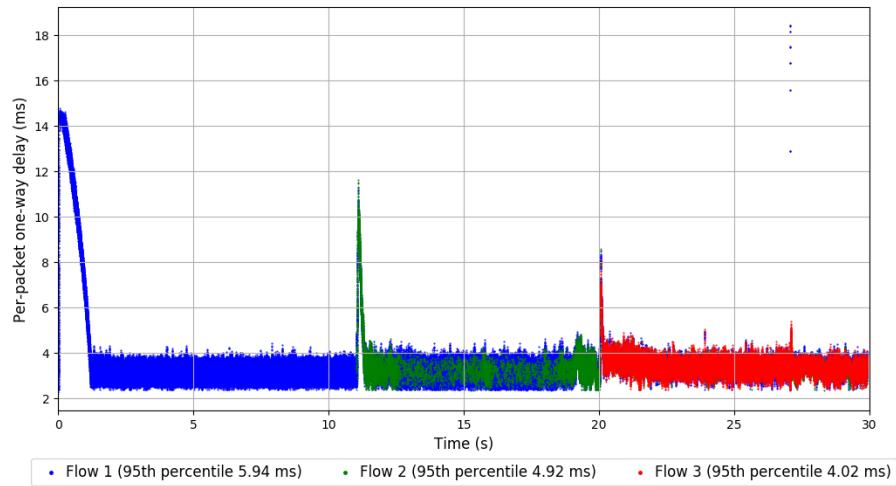
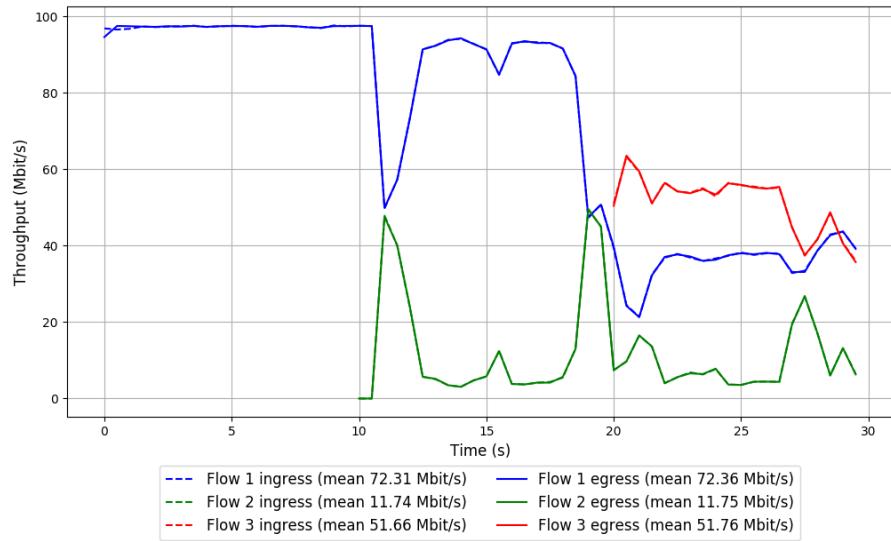


Run 3: Statistics of TCP Vegas

```
Start at: 2018-01-31 22:16:01
End at: 2018-01-31 22:16:31
Local clock offset: -0.019 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 4.455 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 5.941 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 4.923 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.05%
```

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

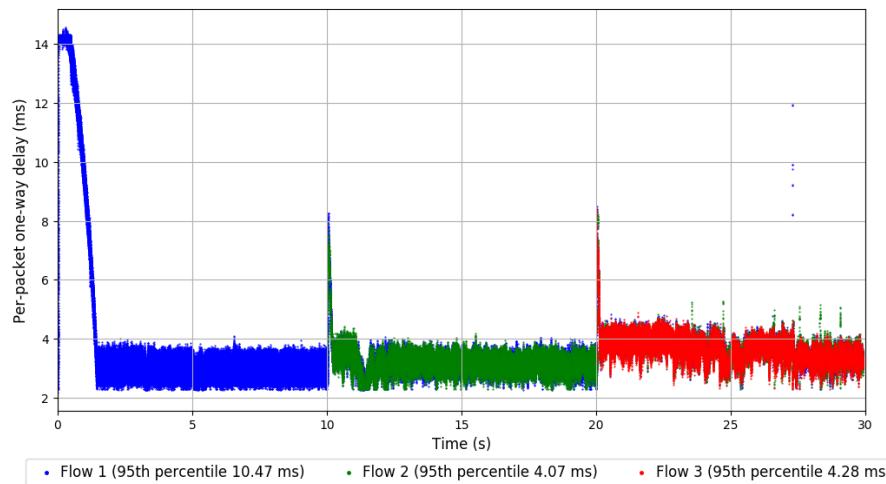
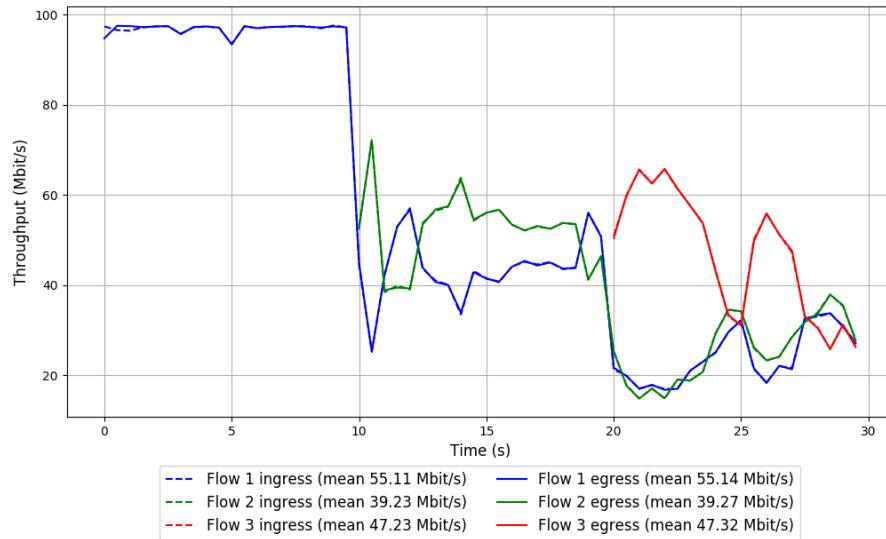


Run 4: Statistics of TCP Vegas

```
Start at: 2018-01-31 22:37:23
End at: 2018-01-31 22:37:53
Local clock offset: -0.06 ms
Remote clock offset: 0.545 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 4.952 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.14 Mbit/s
95th percentile per-packet one-way delay: 10.471 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 4.065 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 4.283 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Vegas — Data Link

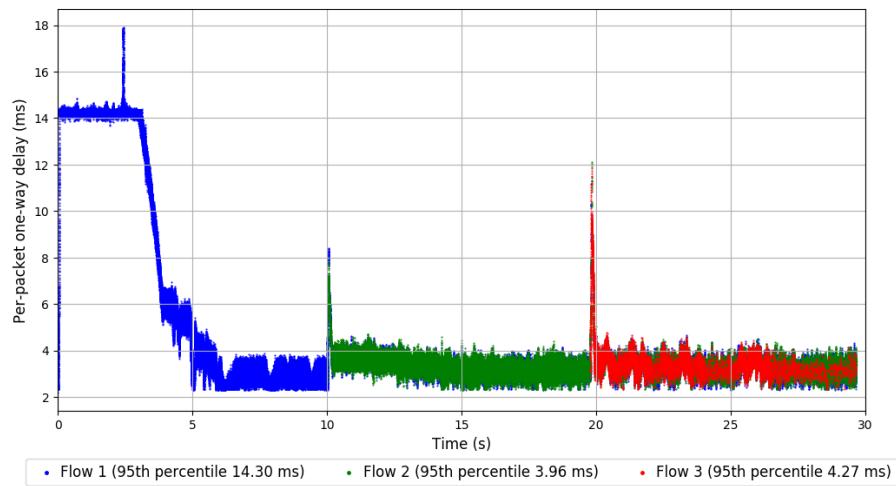
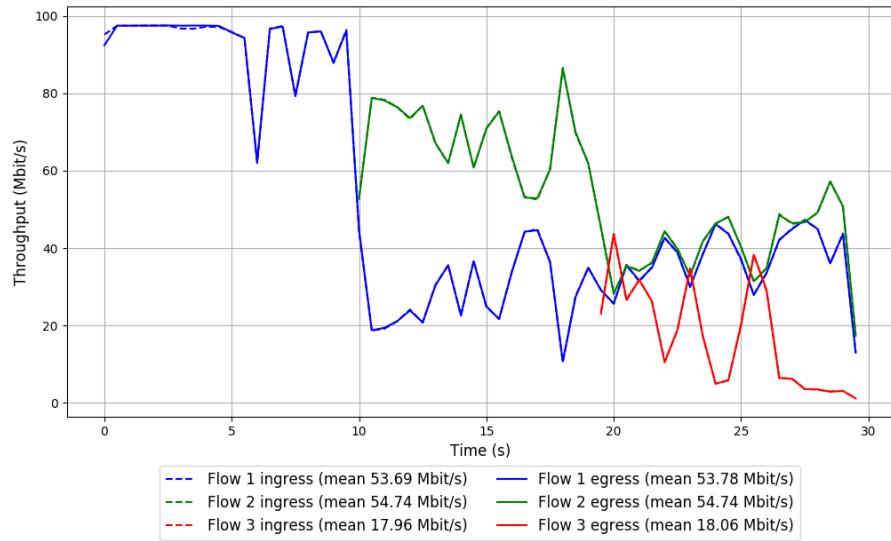


Run 5: Statistics of TCP Vegas

```
Start at: 2018-01-31 22:59:10
End at: 2018-01-31 22:59:40
Local clock offset: -0.009 ms
Remote clock offset: 0.702 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 14.261 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: 14.301 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 3.961 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 4.268 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Vegas — Data Link

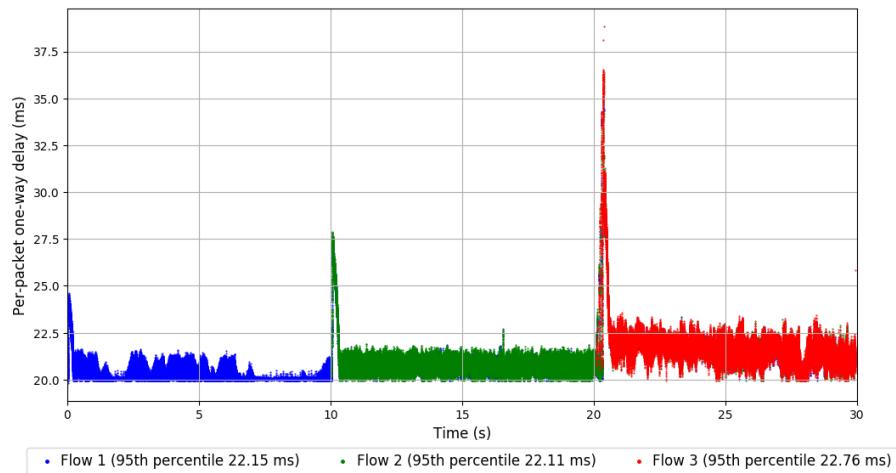
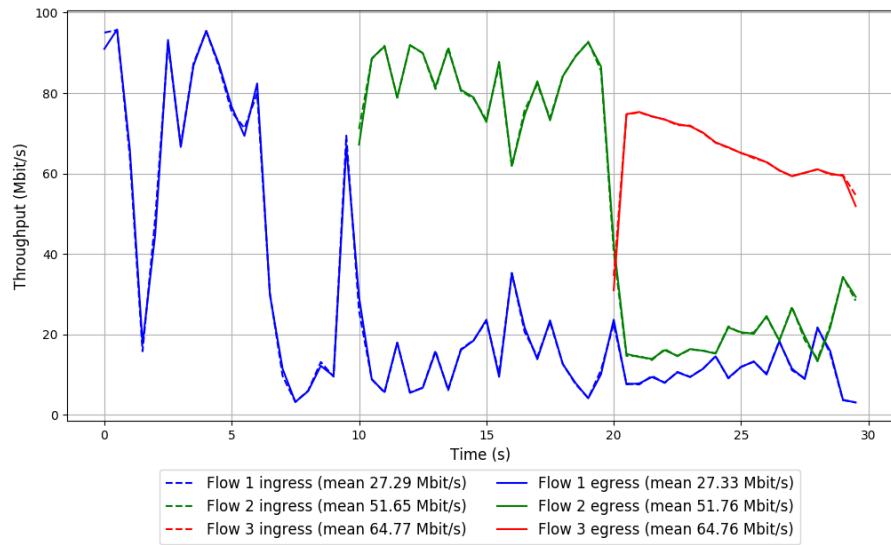


Run 6: Statistics of TCP Vegas

```
Start at: 2018-01-31 23:21:03
End at: 2018-01-31 23:21:33
Local clock offset: -0.044 ms
Remote clock offset: -17.006 ms

# Below is generated by plot.py at 2018-02-01 04:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 22.452 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 27.33 Mbit/s
95th percentile per-packet one-way delay: 22.149 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 22.115 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 22.761 ms
Loss rate: 0.42%
```

Run 6: Report of TCP Vegas — Data Link

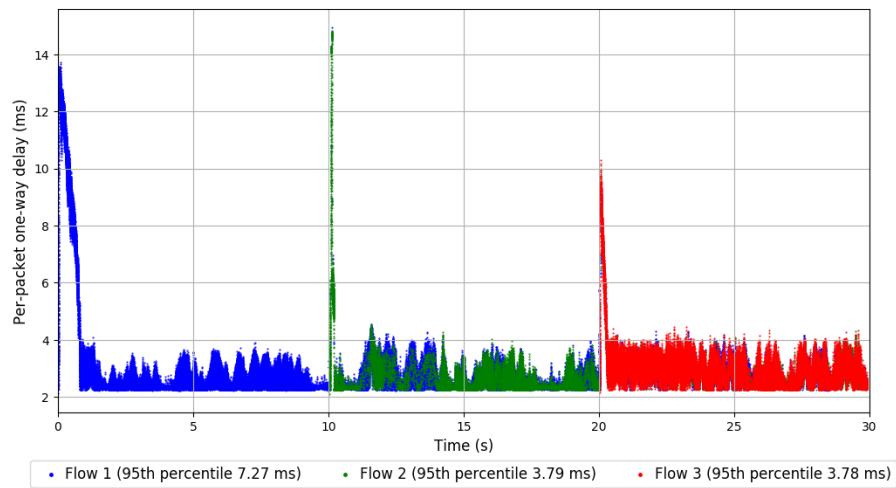
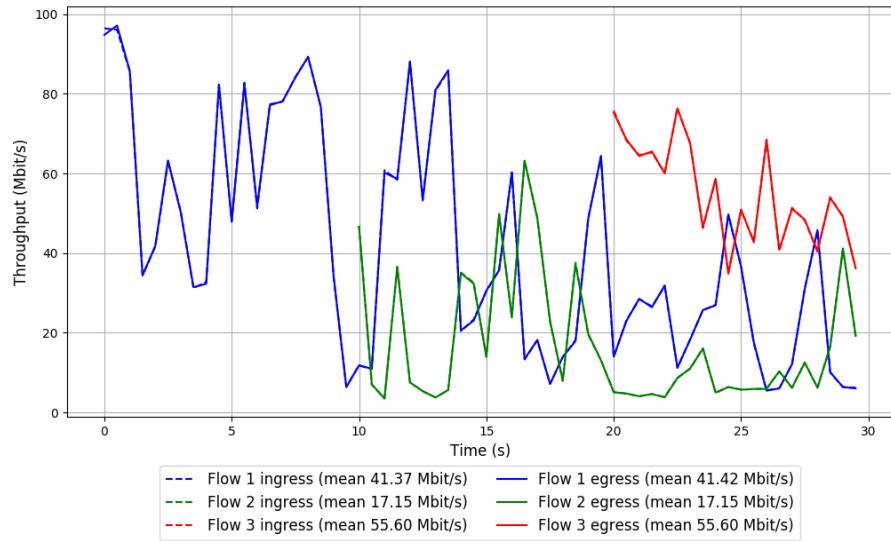


Run 7: Statistics of TCP Vegas

```
Start at: 2018-01-31 23:42:50
End at: 2018-01-31 23:43:20
Local clock offset: -0.114 ms
Remote clock offset: 0.537 ms

# Below is generated by plot.py at 2018-02-01 04:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 4.611 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 7.274 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 3.785 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 3.784 ms
Loss rate: 0.04%
```

Run 7: Report of TCP Vegas — Data Link

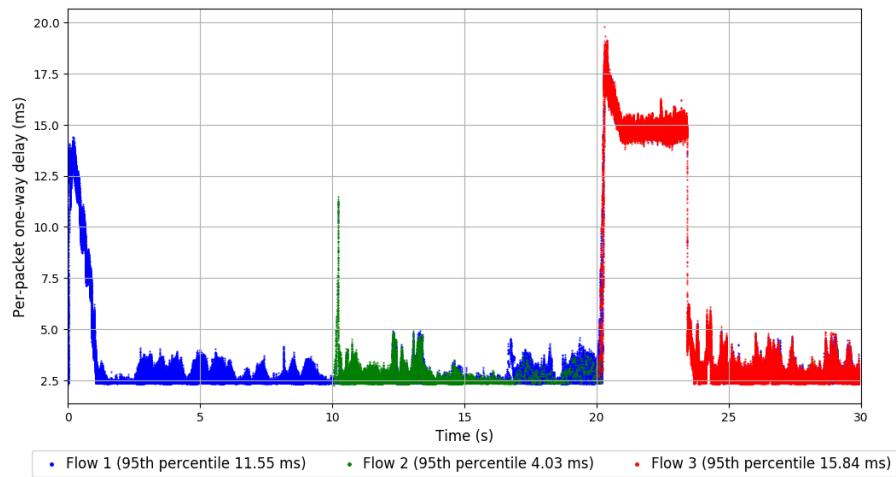
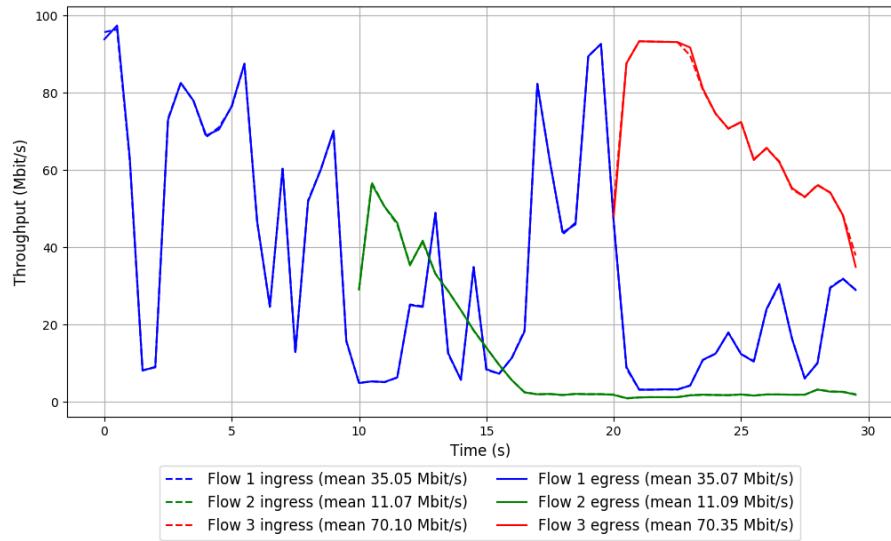


Run 8: Statistics of TCP Vegas

```
Start at: 2018-02-01 00:04:53
End at: 2018-02-01 00:05:23
Local clock offset: 0.056 ms
Remote clock offset: 0.735 ms

# Below is generated by plot.py at 2018-02-01 04:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 15.062 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 11.553 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 4.030 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 15.838 ms
Loss rate: 0.23%
```

Run 8: Report of TCP Vegas — Data Link

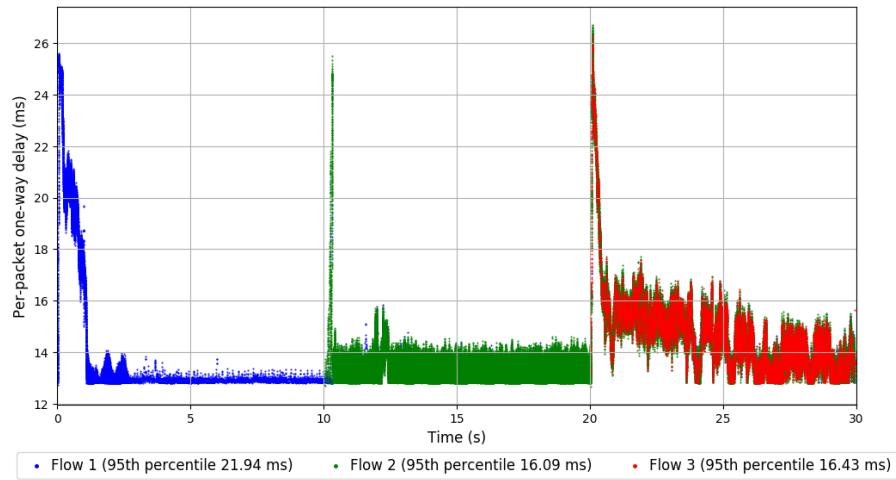
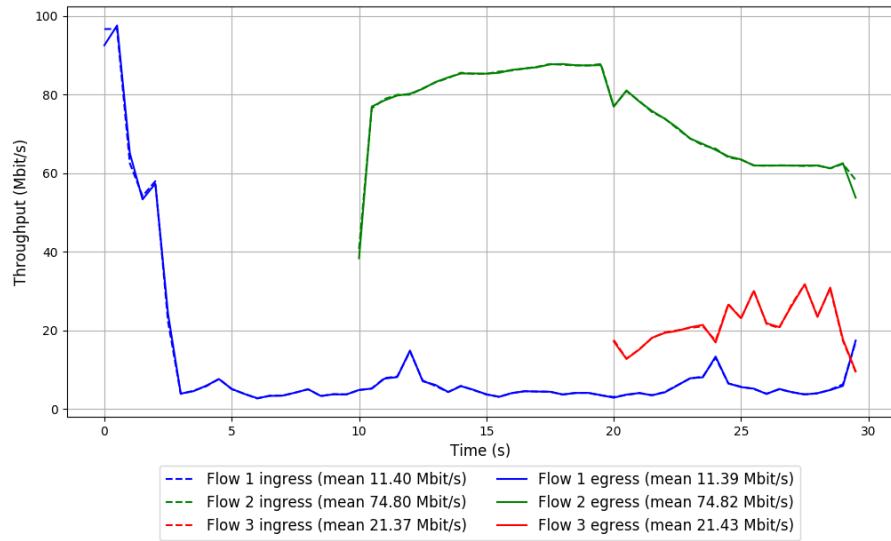


Run 9: Statistics of TCP Vegas

```
Start at: 2018-02-01 00:26:44
End at: 2018-02-01 00:27:14
Local clock offset: 0.265 ms
Remote clock offset: -9.403 ms

# Below is generated by plot.py at 2018-02-01 04:52:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 18.762 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 21.941 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 16.085 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 16.434 ms
Loss rate: 0.03%
```

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

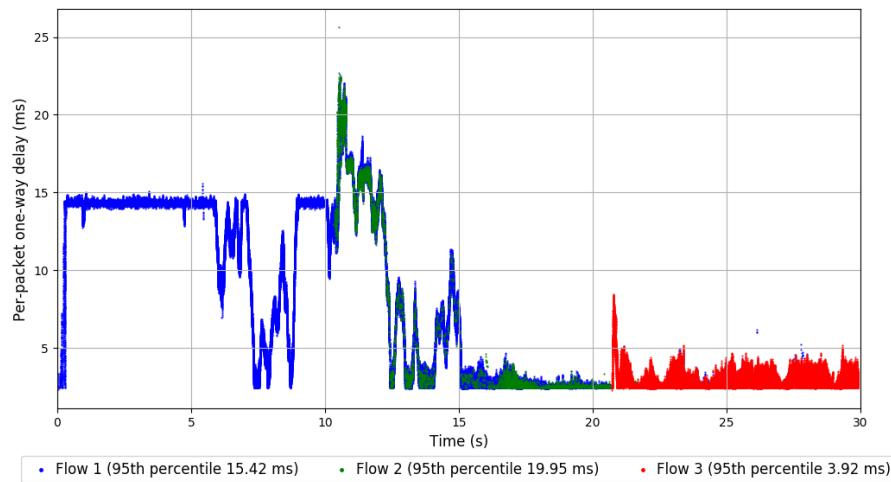
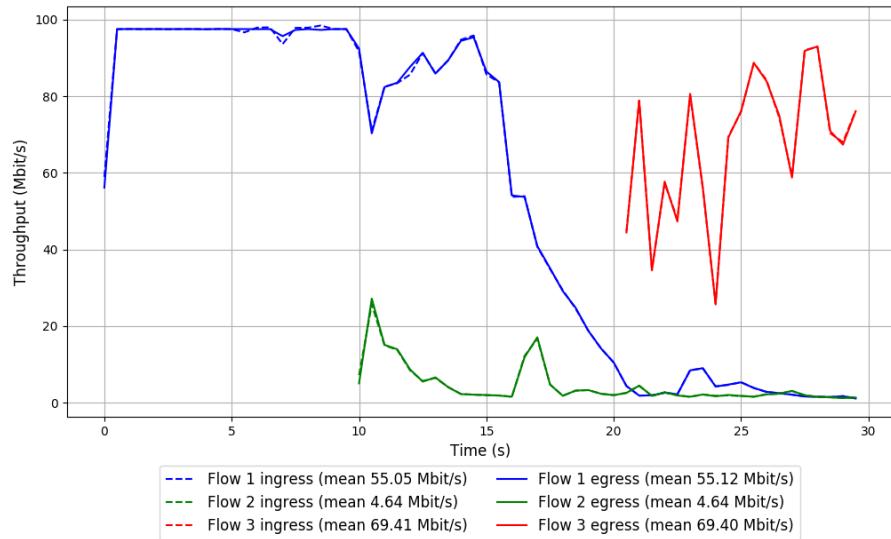


Run 10: Statistics of TCP Vegas

```
Start at: 2018-02-01 00:48:28
End at: 2018-02-01 00:48:58
Local clock offset: 0.391 ms
Remote clock offset: 1.127 ms

# Below is generated by plot.py at 2018-02-01 04:53:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 14.830 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 15.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 19.954 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 3.921 ms
Loss rate: 0.07%
```

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

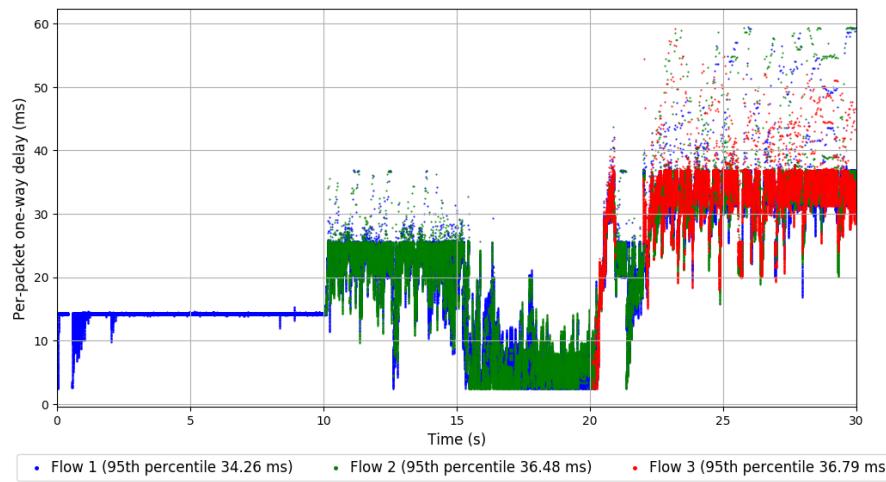
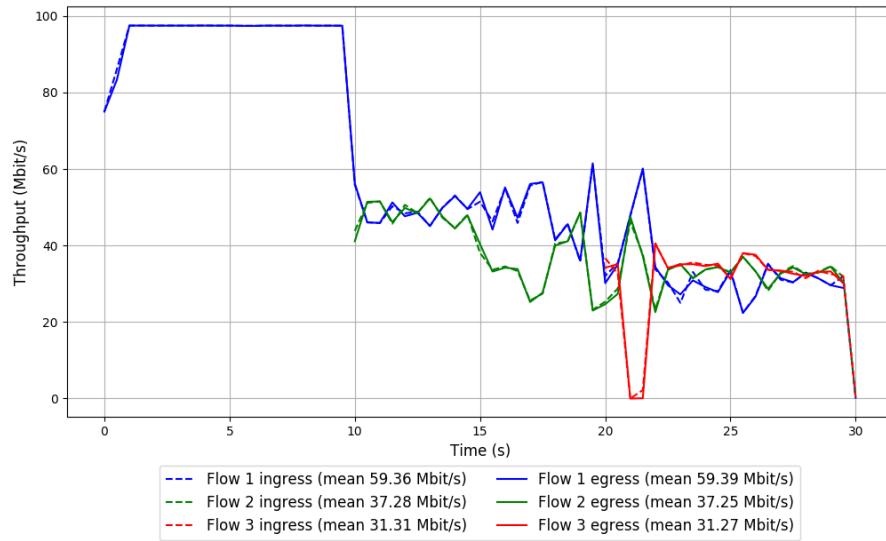


Run 1: Statistics of Verus

```
Start at: 2018-01-31 21:43:44
End at: 2018-01-31 21:44:14
Local clock offset: 0.005 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-02-01 04:53:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 36.022 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 34.257 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.25 Mbit/s
95th percentile per-packet one-way delay: 36.476 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 36.792 ms
Loss rate: 0.65%
```

Run 1: Report of Verus — Data Link

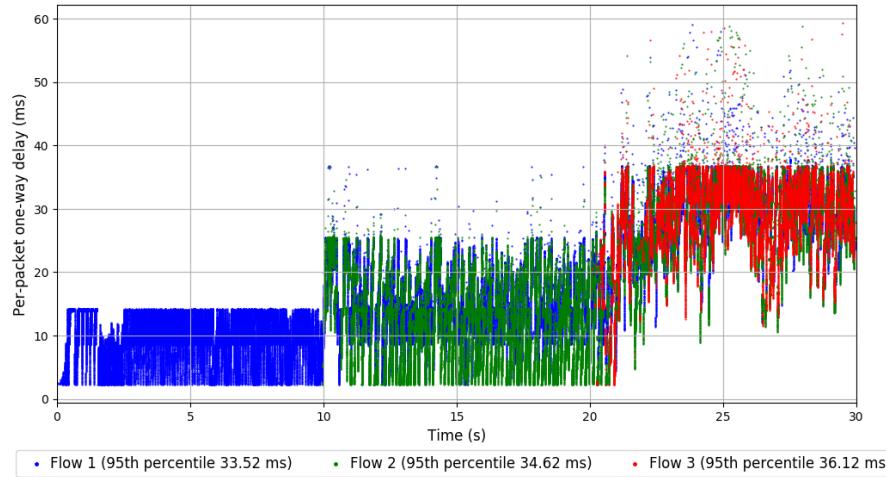
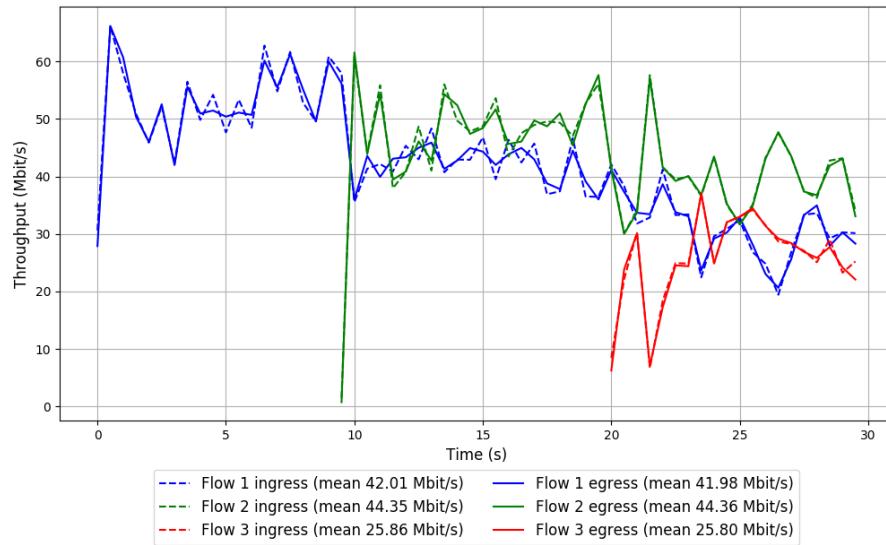


Run 2: Statistics of Verus

```
Start at: 2018-01-31 22:05:13
End at: 2018-01-31 22:05:43
Local clock offset: -0.044 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at 2018-02-01 04:53:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.10 Mbit/s
95th percentile per-packet one-way delay: 34.669 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 33.515 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 34.622 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.80 Mbit/s
95th percentile per-packet one-way delay: 36.123 ms
Loss rate: 0.87%
```

Run 2: Report of Verus — Data Link

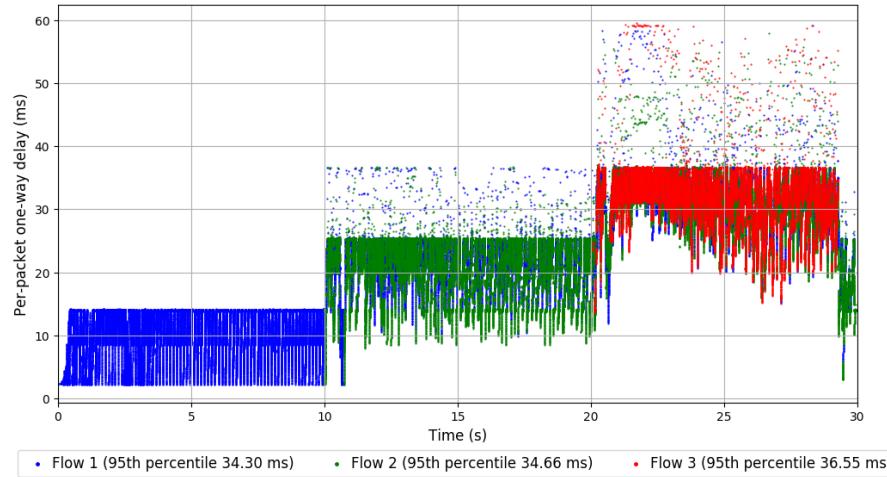
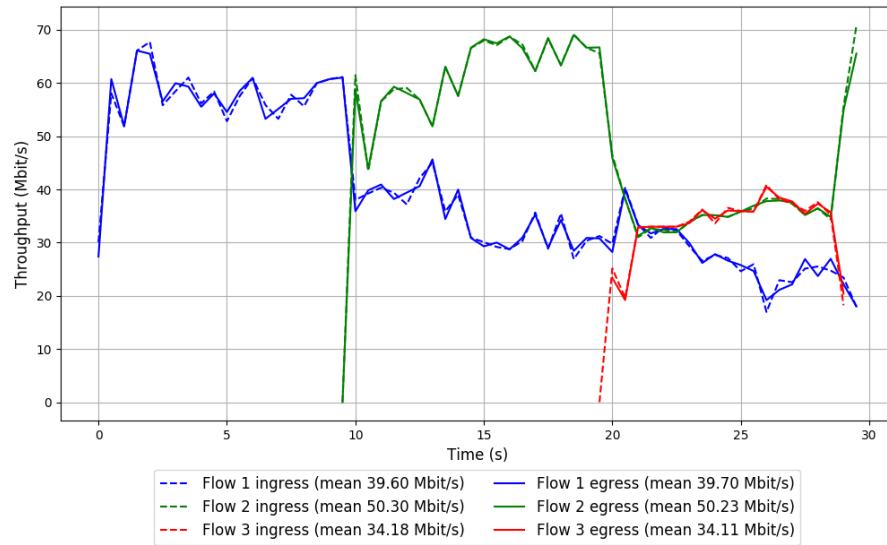


Run 3: Statistics of Verus

```
Start at: 2018-01-31 22:26:39
End at: 2018-01-31 22:27:09
Local clock offset: -0.068 ms
Remote clock offset: 0.421 ms

# Below is generated by plot.py at 2018-02-01 04:53:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 34.295 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 34.662 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 0.00%
```

Run 3: Report of Verus — Data Link

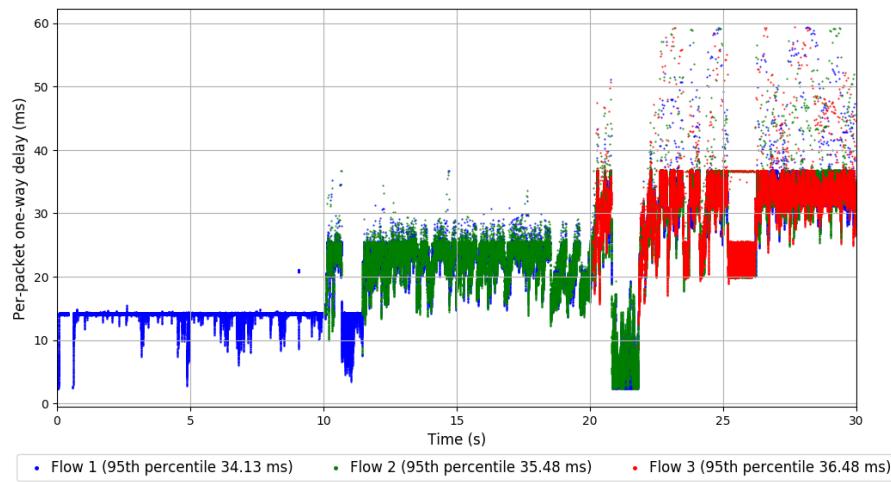
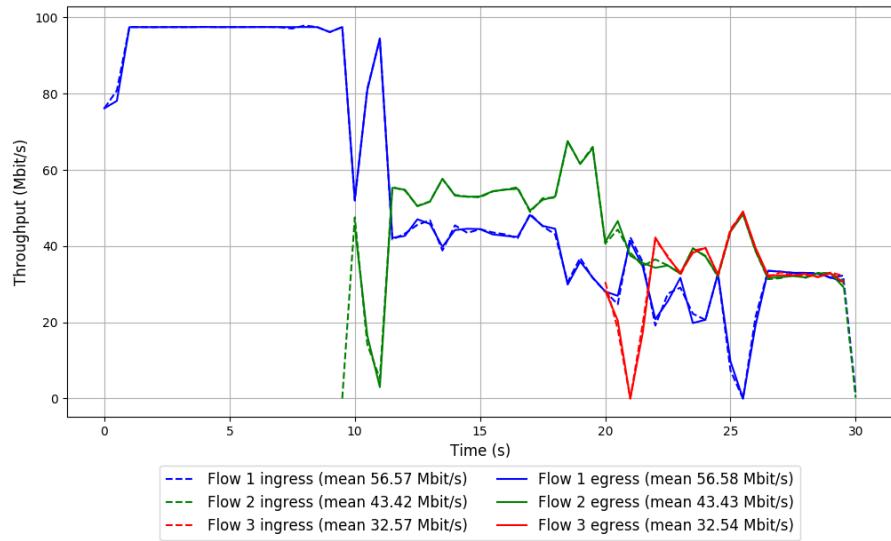


Run 4: Statistics of Verus

```
Start at: 2018-01-31 22:47:57
End at: 2018-01-31 22:48:27
Local clock offset: -0.058 ms
Remote clock offset: 0.613 ms

# Below is generated by plot.py at 2018-02-01 04:54:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 35.183 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 34.131 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 43.43 Mbit/s
95th percentile per-packet one-way delay: 35.483 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 36.483 ms
Loss rate: 0.63%
```

## Run 4: Report of Verus — Data Link

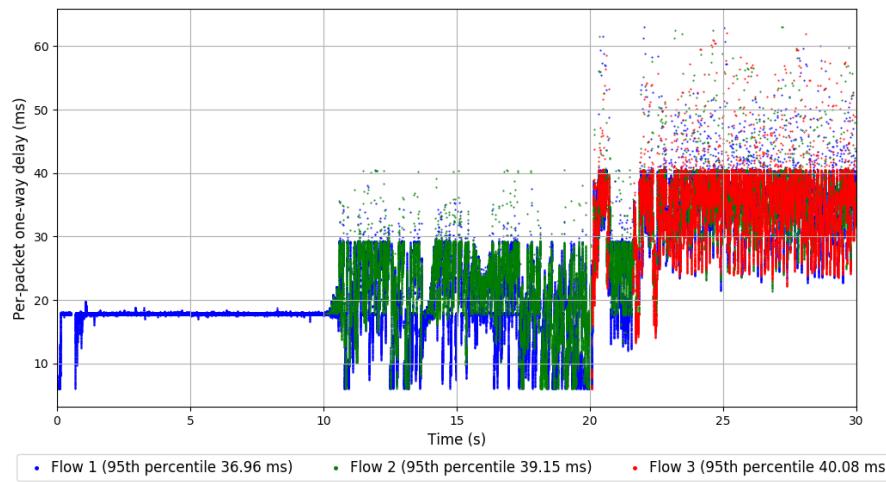
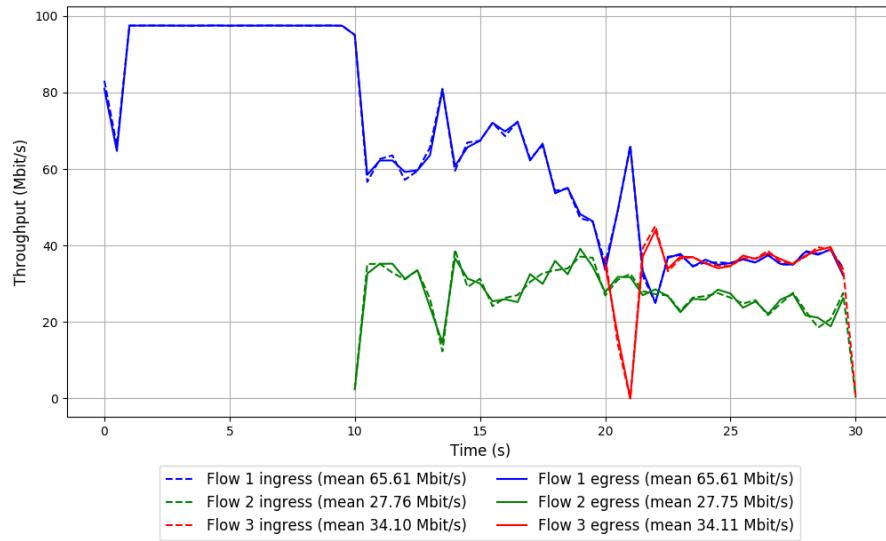


Run 5: Statistics of Verus

```
Start at: 2018-01-31 23:09:55
End at: 2018-01-31 23:10:25
Local clock offset: -0.028 ms
Remote clock offset: -3.075 ms

# Below is generated by plot.py at 2018-02-01 04:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 38.576 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 36.959 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 27.75 Mbit/s
95th percentile per-packet one-way delay: 39.146 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 40.080 ms
Loss rate: 0.61%
```

Run 5: Report of Verus — Data Link

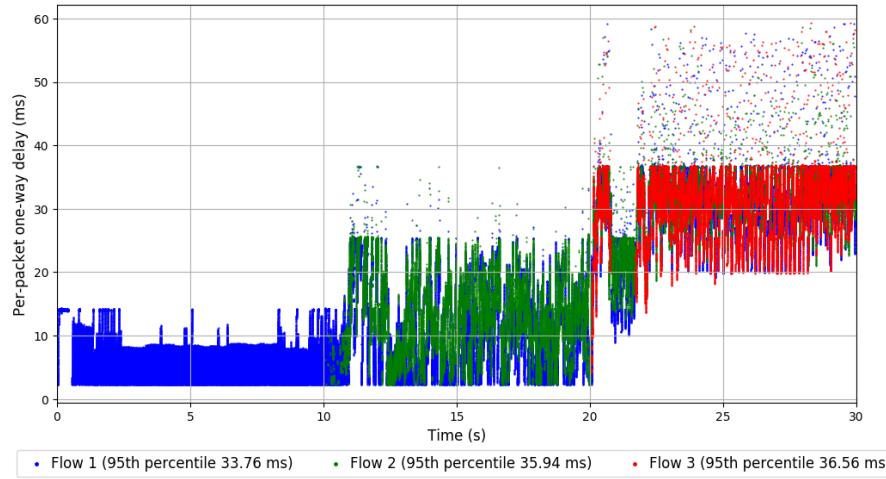
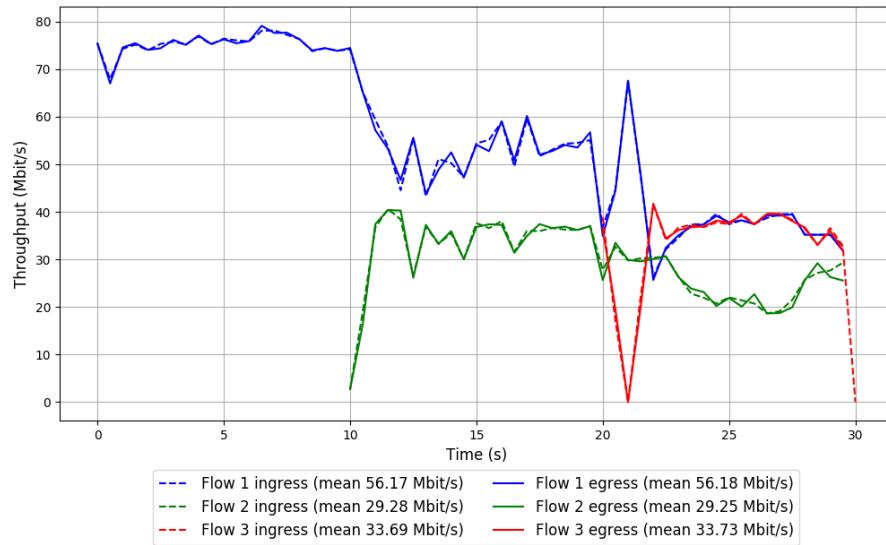


Run 6: Statistics of Verus

```
Start at: 2018-01-31 23:31:48
End at: 2018-01-31 23:32:18
Local clock offset: -0.05 ms
Remote clock offset: 0.514 ms

# Below is generated by plot.py at 2018-02-01 04:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 35.332 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 33.762 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 35.941 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 36.560 ms
Loss rate: 0.54%
```

Run 6: Report of Verus — Data Link

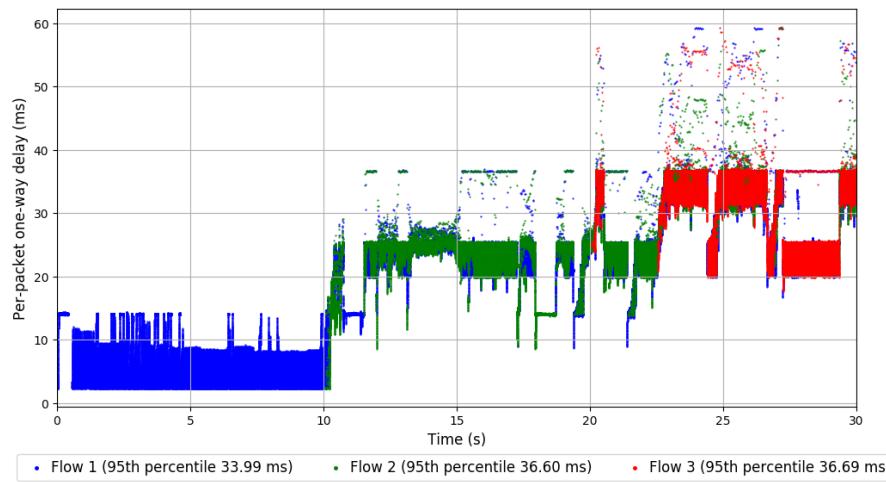
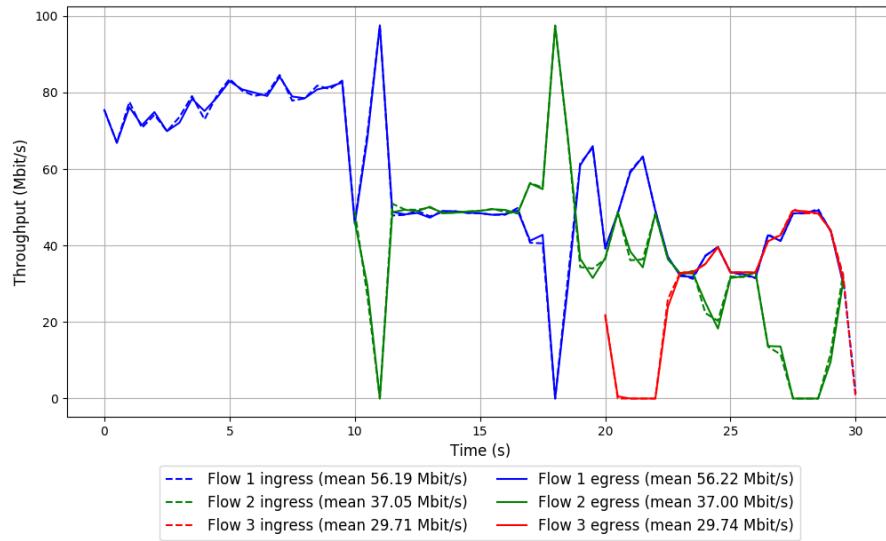


Run 7: Statistics of Verus

```
Start at: 2018-01-31 23:53:28
End at: 2018-01-31 23:53:58
Local clock offset: -0.005 ms
Remote clock offset: 0.634 ms

# Below is generated by plot.py at 2018-02-01 04:54:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.69 Mbit/s
95th percentile per-packet one-way delay: 36.183 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 33.992 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 36.601 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 36.685 ms
Loss rate: 0.62%
```

Run 7: Report of Verus — Data Link

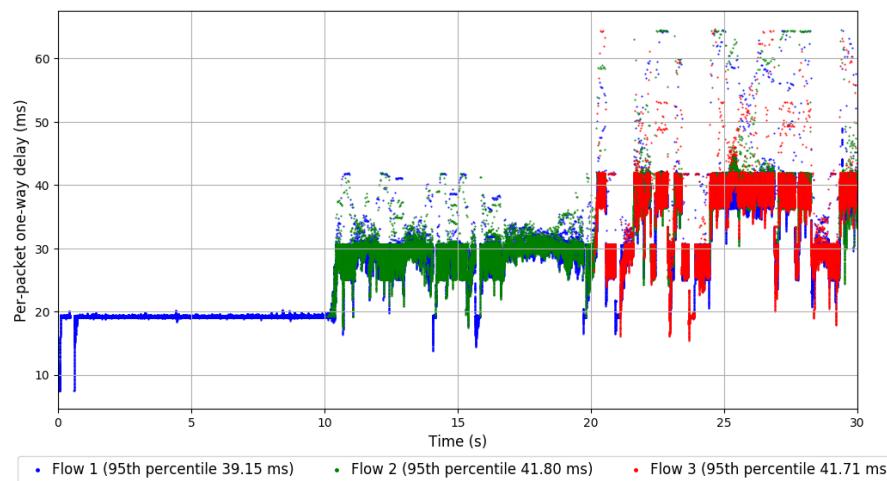
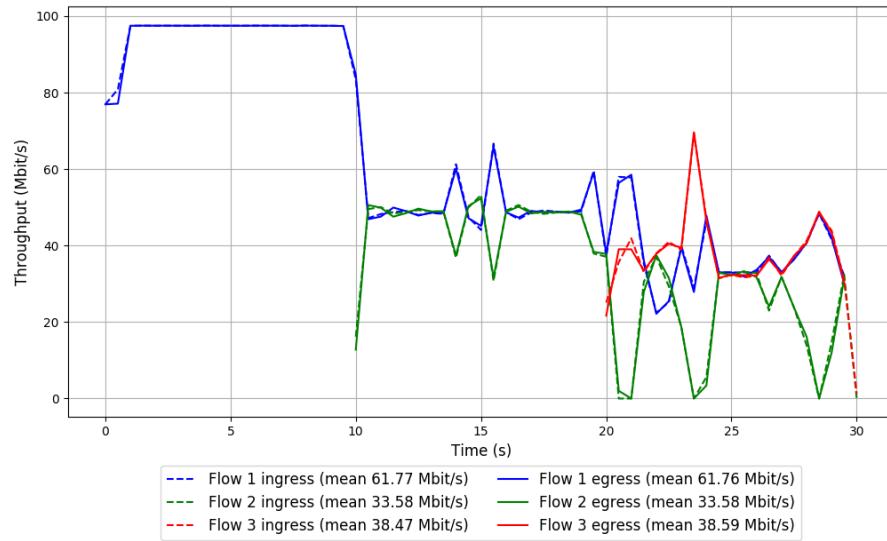


Run 8: Statistics of Verus

```
Start at: 2018-02-01 00:15:36
End at: 2018-02-01 00:16:06
Local clock offset: 0.18 ms
Remote clock offset: -4.26 ms

# Below is generated by plot.py at 2018-02-01 04:54:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 41.139 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 39.154 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.58 Mbit/s
95th percentile per-packet one-way delay: 41.796 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 41.708 ms
Loss rate: 0.64%
```

Run 8: Report of Verus — Data Link

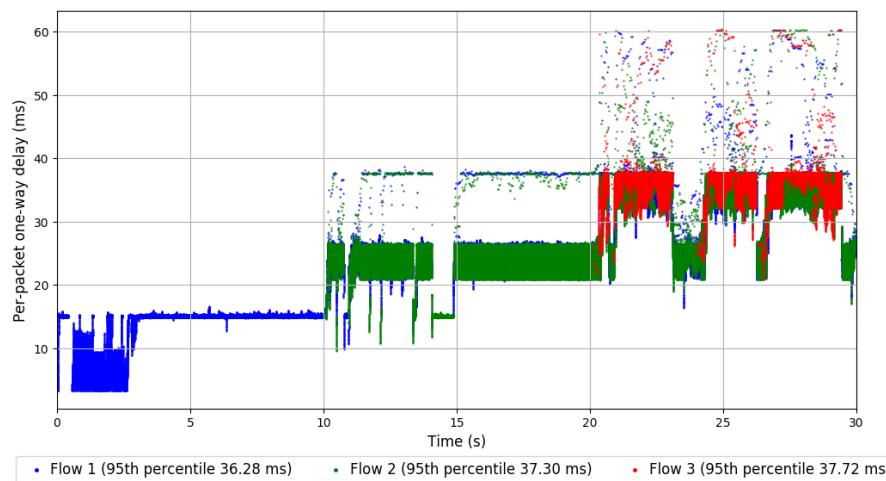
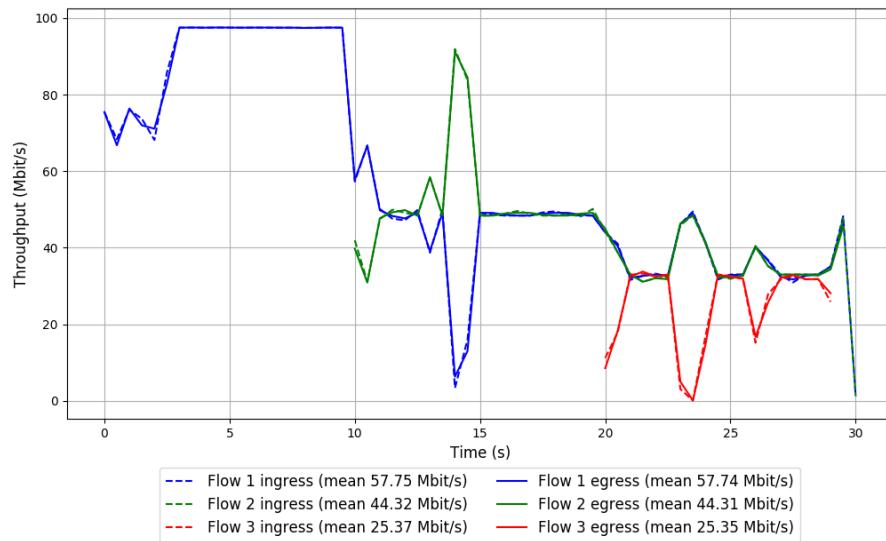


Run 9: Statistics of Verus

```
Start at: 2018-02-01 00:37:34
End at: 2018-02-01 00:38:04
Local clock offset: 0.279 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2018-02-01 04:54:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 37.537 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 36.282 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 37.299 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 37.723 ms
Loss rate: 0.00%
```

Run 9: Report of Verus — Data Link

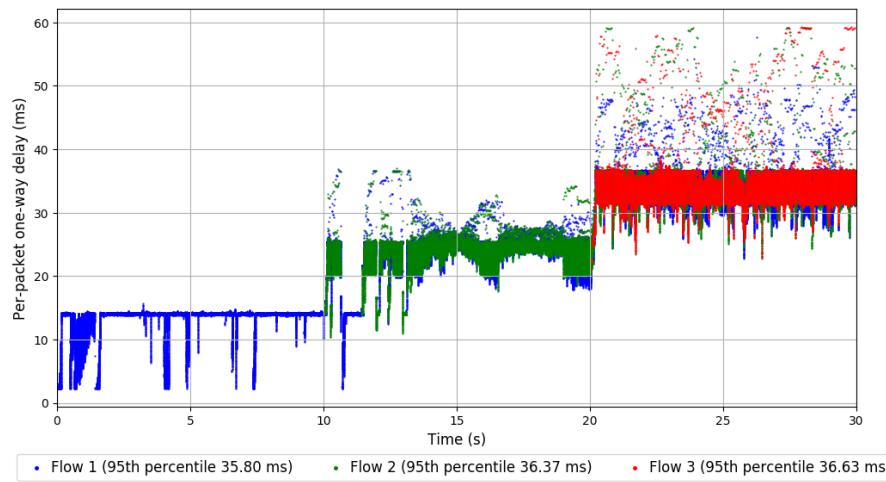
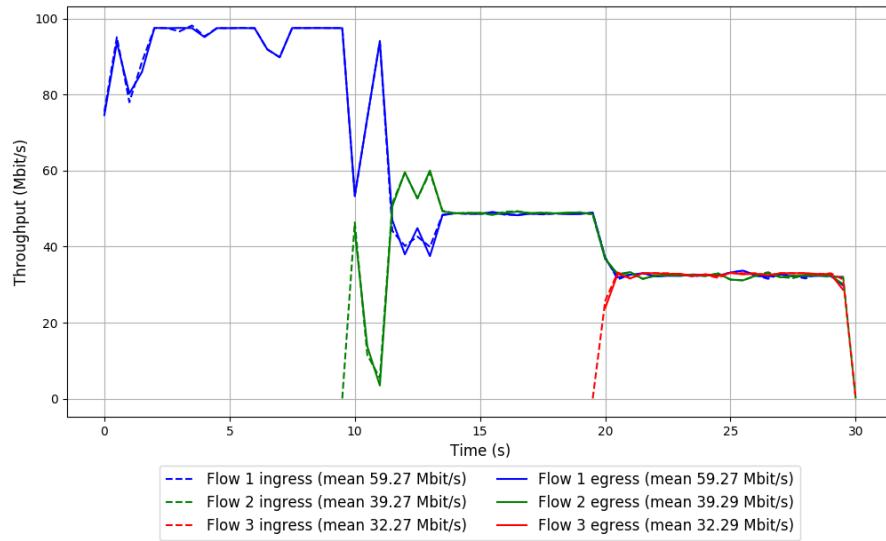


Run 10: Statistics of Verus

```
Start at: 2018-02-01 00:59:21
End at: 2018-02-01 00:59:51
Local clock offset: 0.376 ms
Remote clock offset: 1.257 ms

# Below is generated by plot.py at 2018-02-01 04:54:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 36.371 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 36.372 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 36.635 ms
Loss rate: 0.77%
```

## Run 10: Report of Verus — Data Link

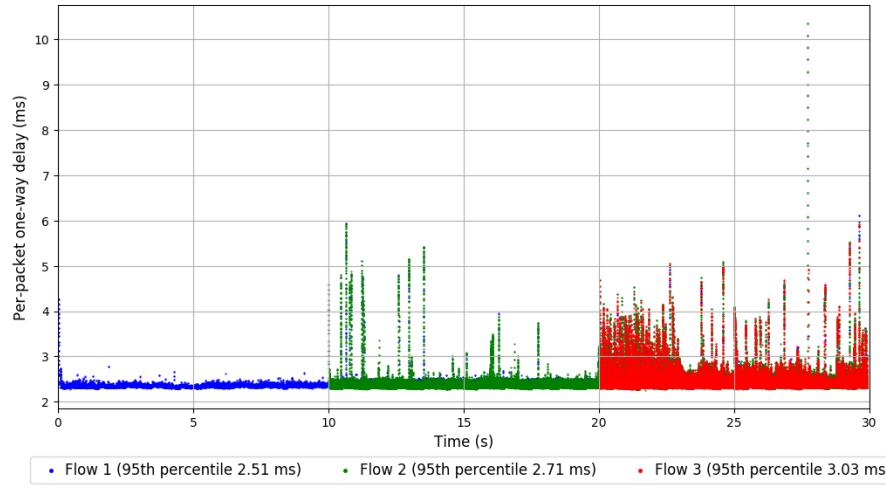
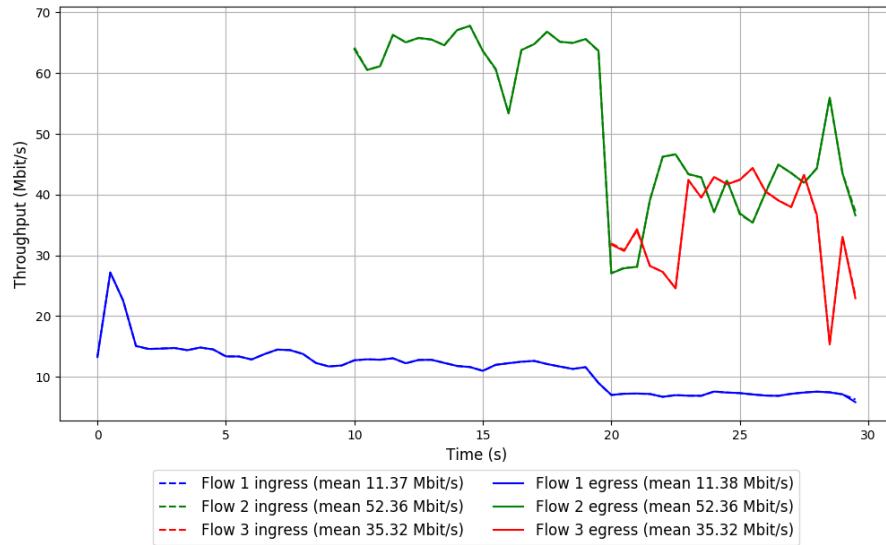


Run 1: Statistics of Copa

```
Start at: 2018-01-31 21:37:07
End at: 2018-01-31 21:37:37
Local clock offset: -0.047 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-02-01 04:55:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 2.749 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 52.36 Mbit/s
95th percentile per-packet one-way delay: 2.714 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 3.033 ms
Loss rate: 0.09%
```

## Run 1: Report of Copa — Data Link

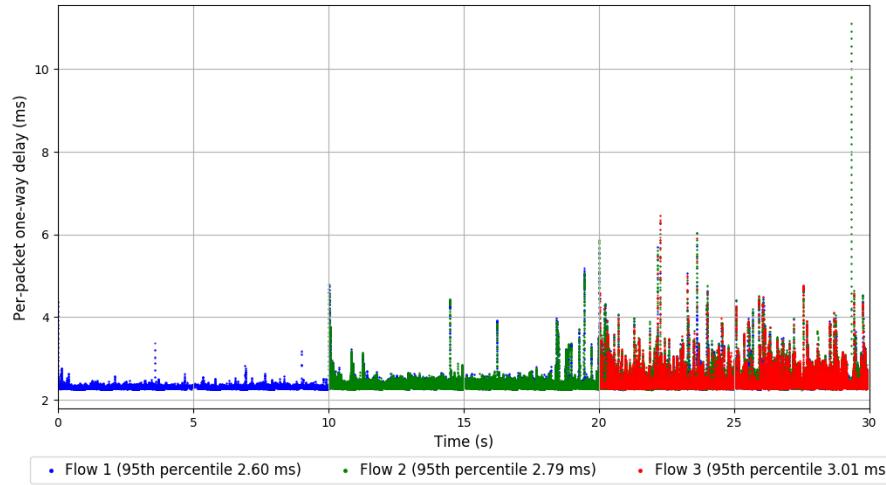
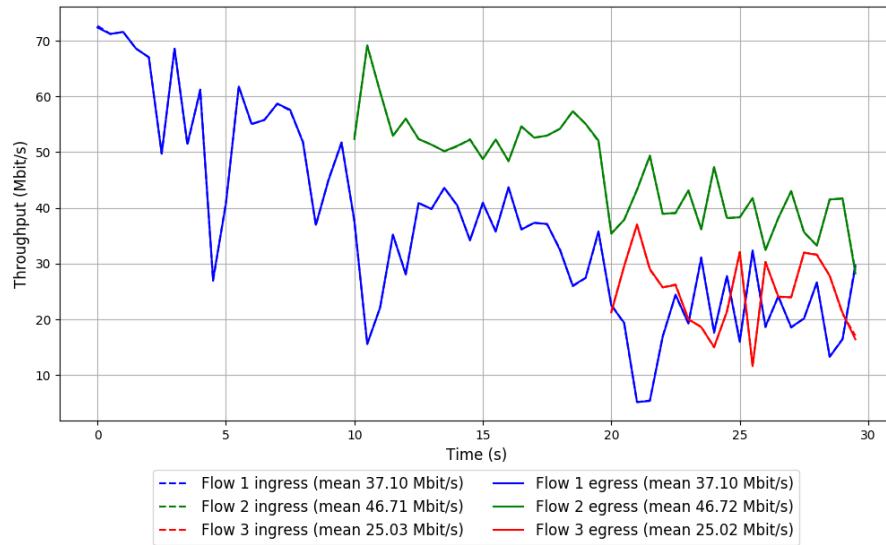


Run 2: Statistics of Copa

```
Start at: 2018-01-31 21:59:18
End at: 2018-01-31 21:59:48
Local clock offset: -0.091 ms
Remote clock offset: 0.095 ms

# Below is generated by plot.py at 2018-02-01 04:56:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.45 Mbit/s
95th percentile per-packet one-way delay: 2.758 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 2.596 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 2.792 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 3.009 ms
Loss rate: 0.14%
```

## Run 2: Report of Copa — Data Link

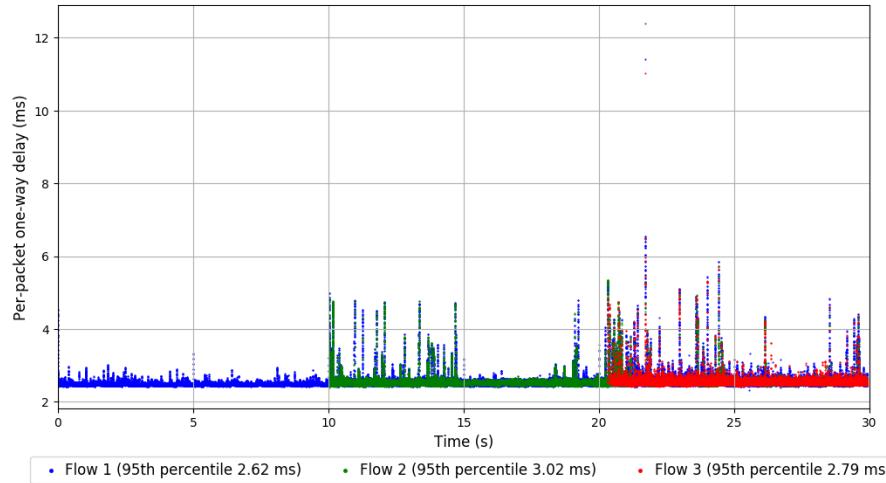
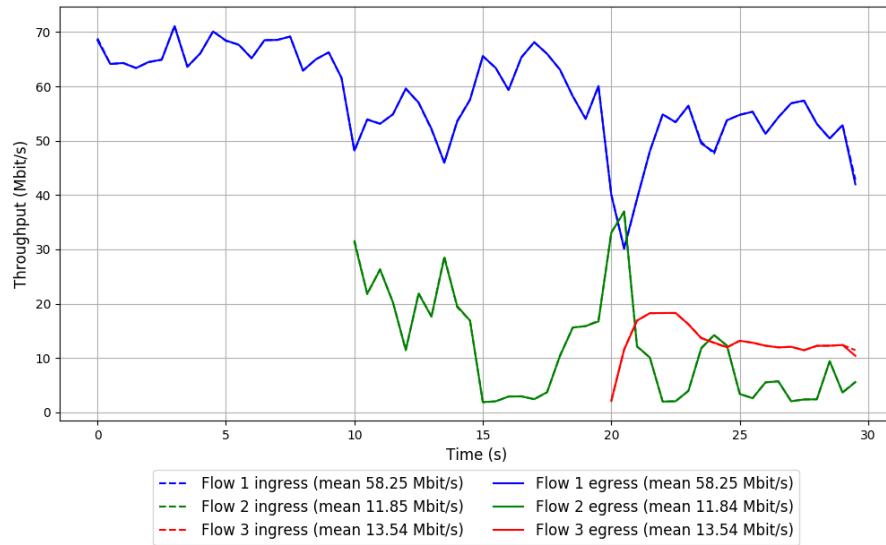


Run 3: Statistics of Copa

```
Start at: 2018-01-31 22:20:44
End at: 2018-01-31 22:21:14
Local clock offset: -0.047 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at 2018-02-01 04:56:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 2.658 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 2.625 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 2.786 ms
Loss rate: 0.42%
```

### Run 3: Report of Copa — Data Link

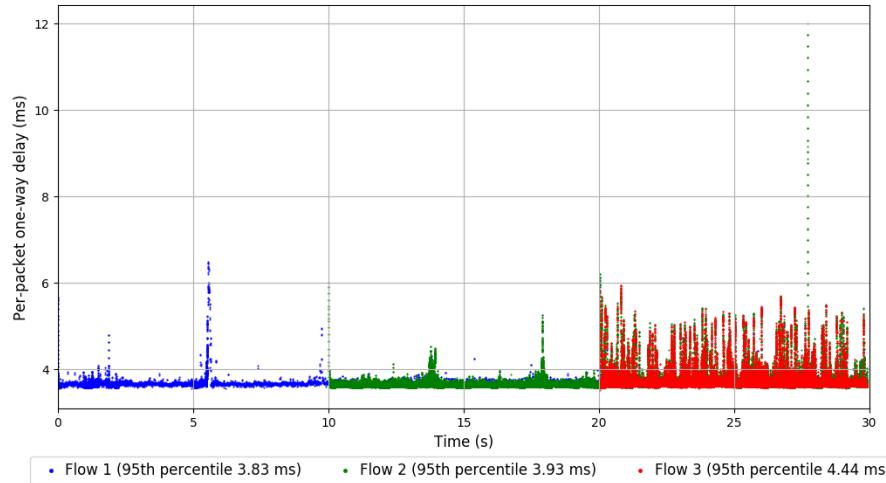
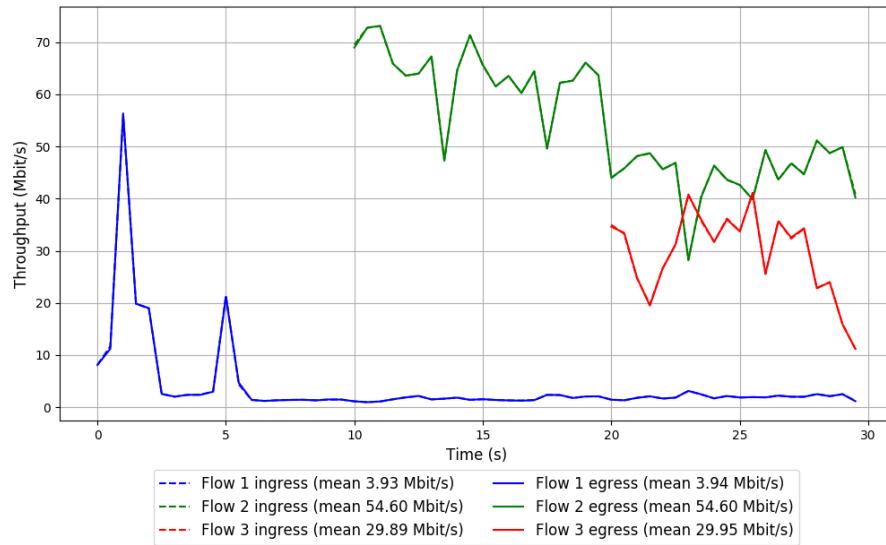


Run 4: Statistics of Copa

```
Start at: 2018-01-31 22:42:04
End at: 2018-01-31 22:42:34
Local clock offset: -0.025 ms
Remote clock offset: -0.697 ms

# Below is generated by plot.py at 2018-02-01 04:56:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 3.833 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 4.444 ms
Loss rate: 0.02%
```

## Run 4: Report of Copa — Data Link

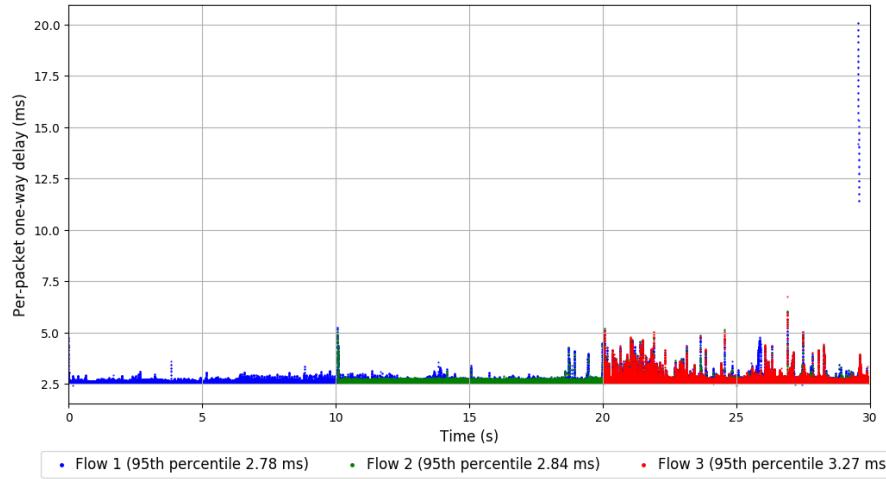
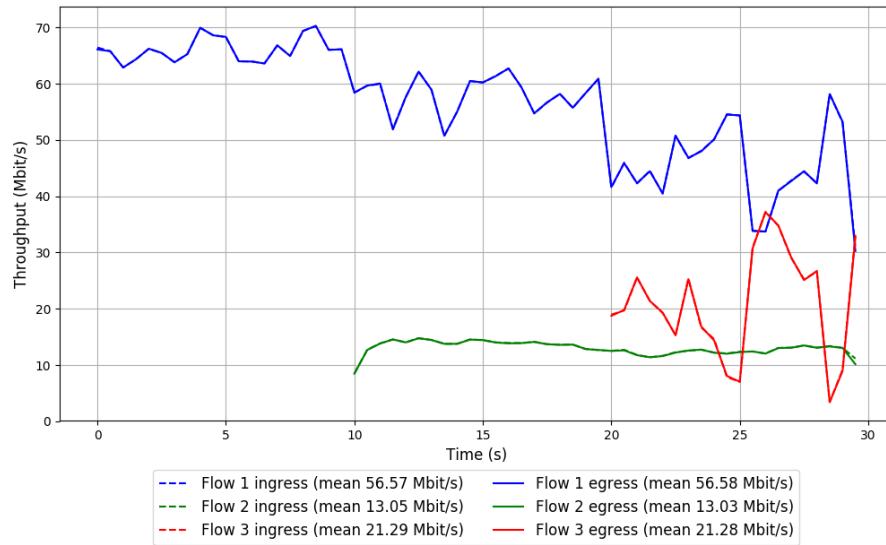


Run 5: Statistics of Copa

```
Start at: 2018-01-31 23:03:58
End at: 2018-01-31 23:04:28
Local clock offset: 0.001 ms
Remote clock offset: 0.429 ms

# Below is generated by plot.py at 2018-02-01 04:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.28 Mbit/s
95th percentile per-packet one-way delay: 2.837 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 2.778 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 2.840 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 3.265 ms
Loss rate: 0.15%
```

Run 5: Report of Copa — Data Link

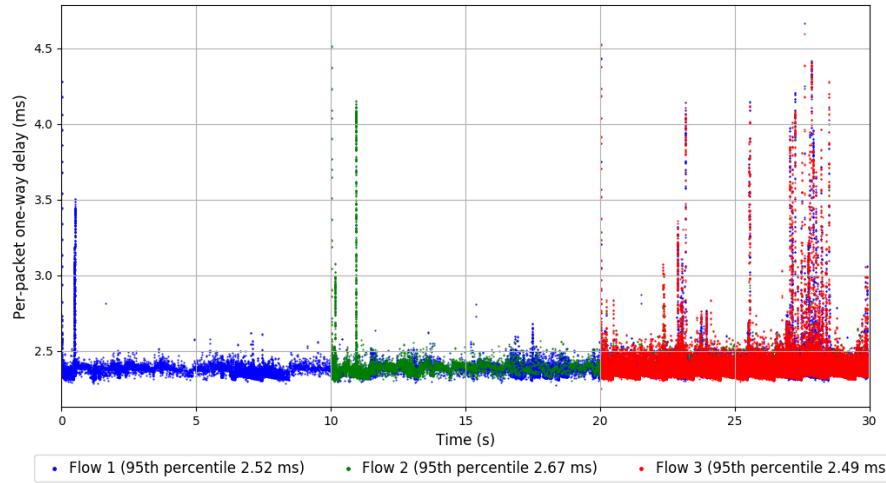
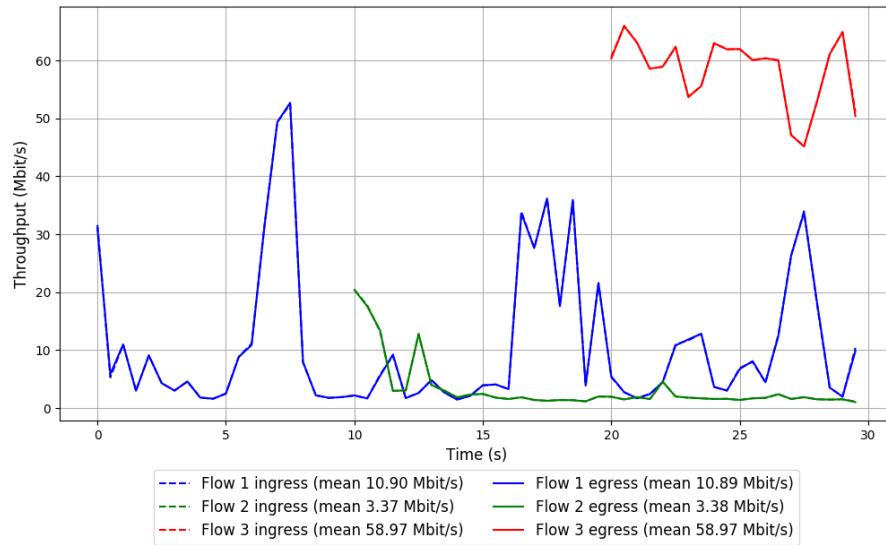


Run 6: Statistics of Copa

```
Start at: 2018-01-31 23:25:54
End at: 2018-01-31 23:26:24
Local clock offset: -0.022 ms
Remote clock offset: 0.569 ms

# Below is generated by plot.py at 2018-02-01 04:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 2.510 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 2.525 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 2.665 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 2.494 ms
Loss rate: 0.09%
```

Run 6: Report of Copa — Data Link

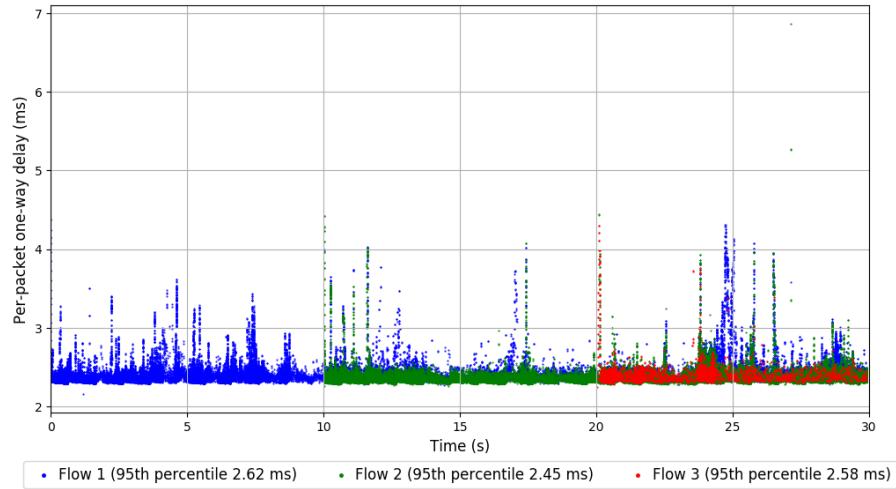
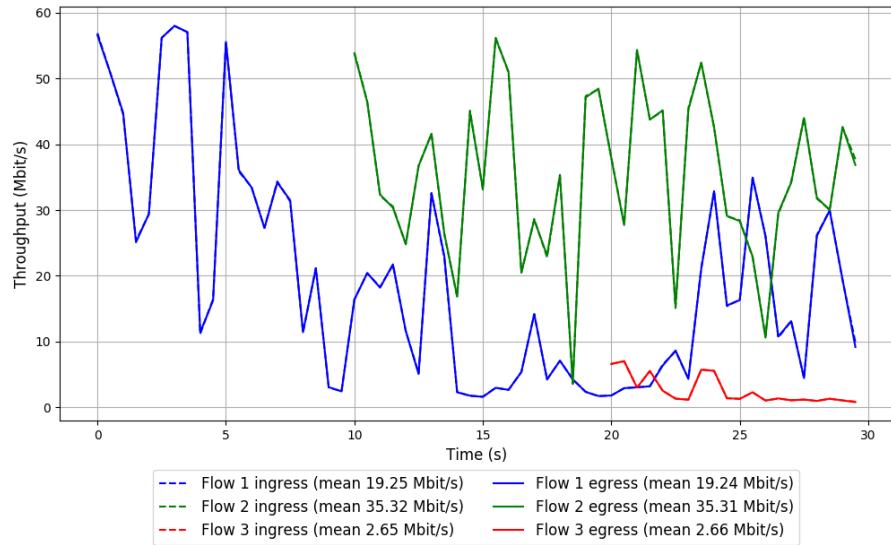


Run 7: Statistics of Copa

```
Start at: 2018-01-31 23:47:35
End at: 2018-01-31 23:48:05
Local clock offset: -0.053 ms
Remote clock offset: 0.59 ms

# Below is generated by plot.py at 2018-02-01 04:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 2.616 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 2.578 ms
Loss rate: 0.15%
```

Run 7: Report of Copa — Data Link

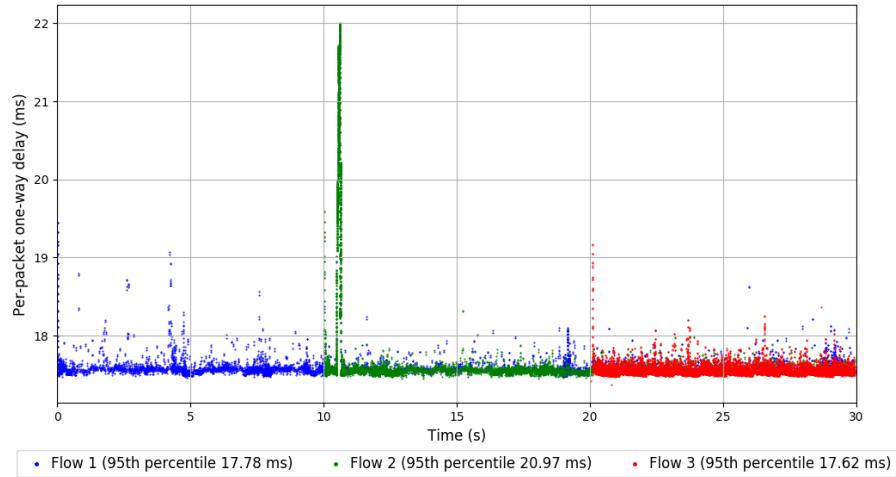
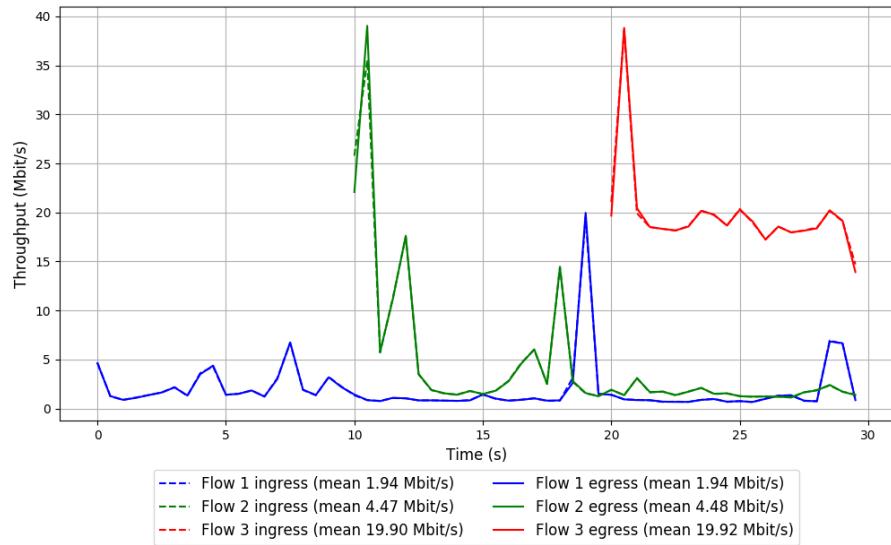


Run 8: Statistics of Copa

```
Start at: 2018-02-01 00:09:42
End at: 2018-02-01 00:10:12
Local clock offset: 0.102 ms
Remote clock offset: -14.379 ms

# Below is generated by plot.py at 2018-02-01 04:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 17.984 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 17.783 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 20.971 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 17.620 ms
Loss rate: 0.35%
```

Run 8: Report of Copa — Data Link

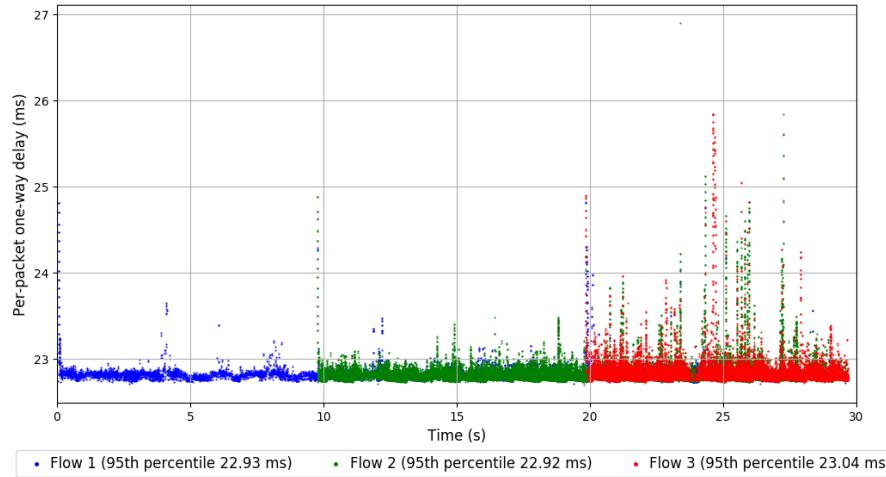
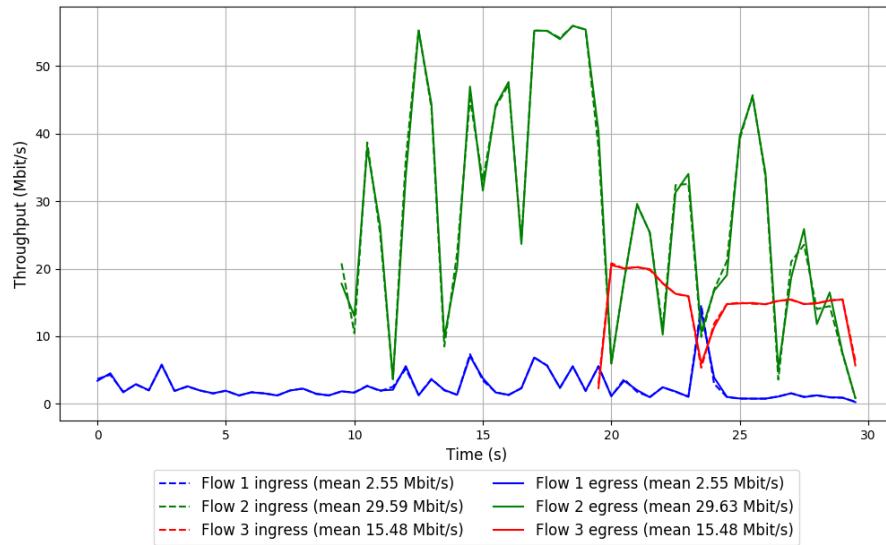


Run 9: Statistics of Copa

```
Start at: 2018-02-01 00:31:35
End at: 2018-02-01 00:32:05
Local clock offset: 0.296 ms
Remote clock offset: -19.326 ms

# Below is generated by plot.py at 2018-02-01 04:56:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 22.942 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 22.932 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 29.63 Mbit/s
95th percentile per-packet one-way delay: 22.918 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 23.042 ms
Loss rate: 0.45%
```

Run 9: Report of Copa — Data Link

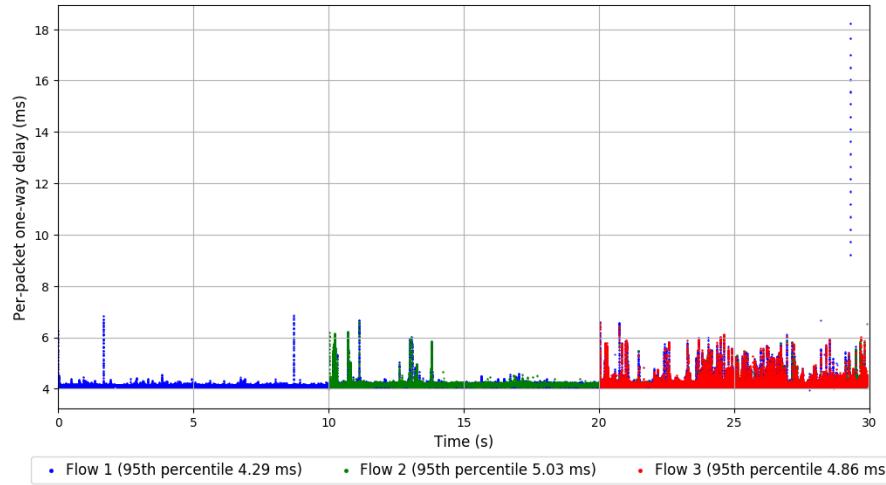
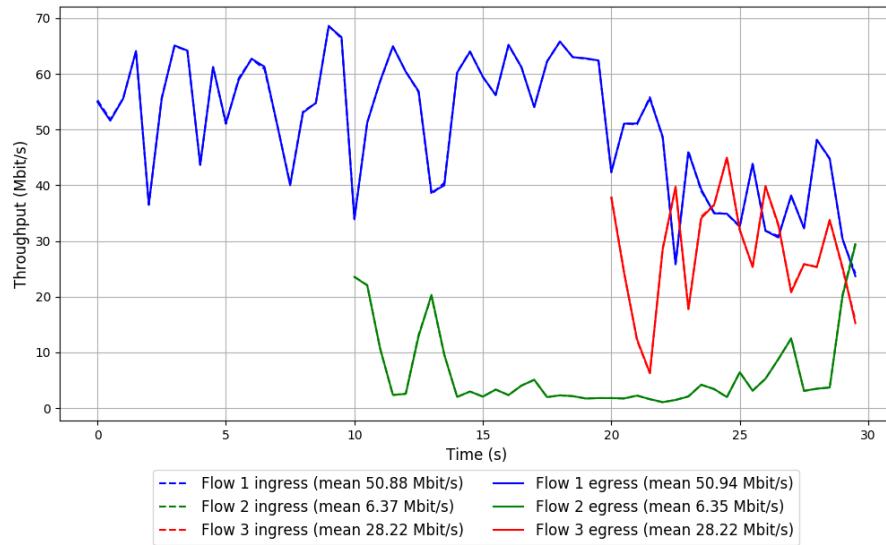


Run 10: Statistics of Copa

```
Start at: 2018-02-01 00:53:17
End at: 2018-02-01 00:53:47
Local clock offset: 0.448 ms
Remote clock offset: -0.507 ms

# Below is generated by plot.py at 2018-02-01 04:56:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 4.454 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 4.290 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 5.032 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 28.22 Mbit/s
95th percentile per-packet one-way delay: 4.857 ms
Loss rate: 0.10%
```

Run 10: Report of Copa — Data Link

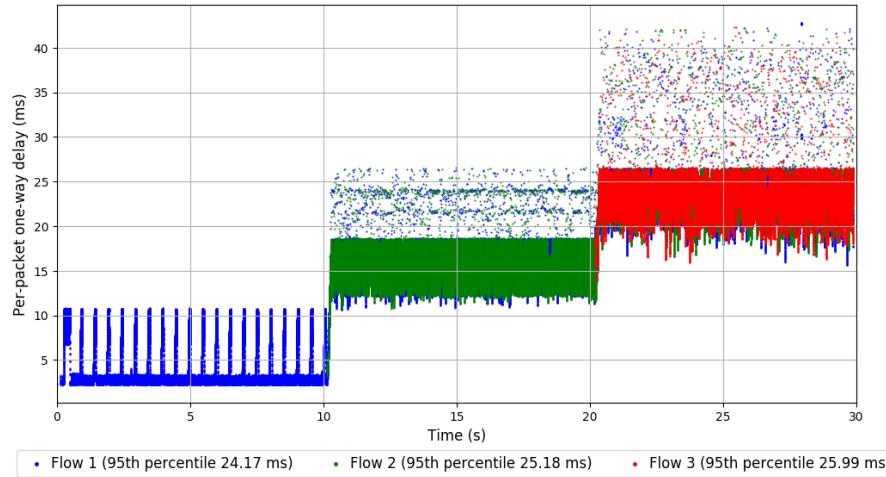
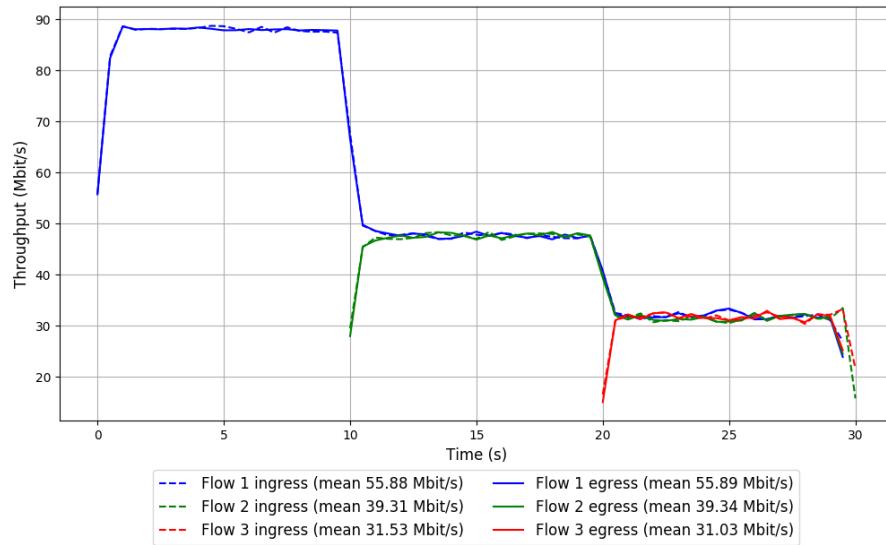


Run 1: Statistics of FillP

```
Start at: 2018-01-31 21:29:57
End at: 2018-01-31 21:30:27
Local clock offset: -0.062 ms
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-02-01 04:57:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 25.051 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 24.167 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 25.178 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 25.994 ms
Loss rate: 4.89%
```

### Run 1: Report of FillP — Data Link

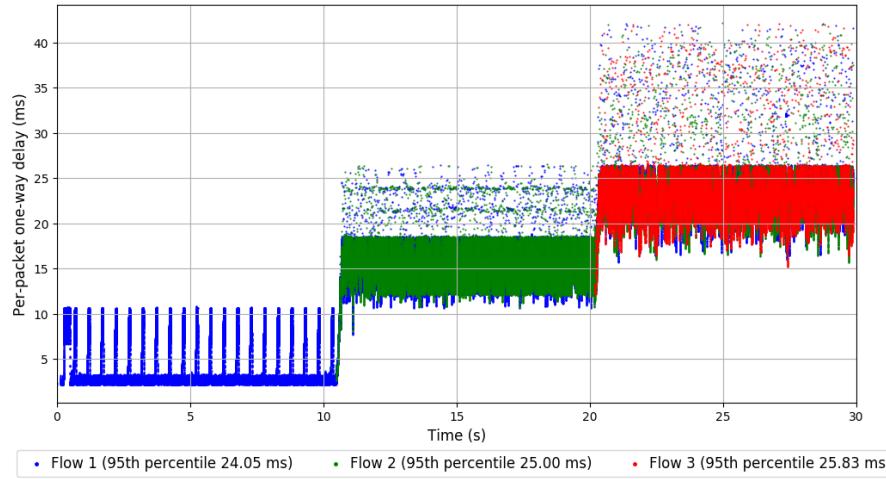
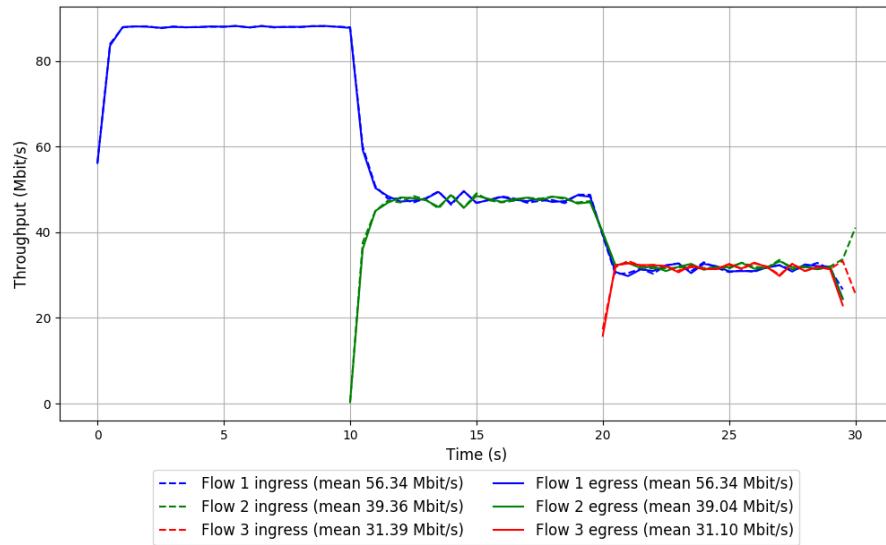


Run 2: Statistics of FillP

```
Start at: 2018-01-31 21:52:07
End at: 2018-01-31 21:52:37
Local clock offset: -0.034 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-02-01 04:58:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 24.861 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 24.050 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 25.005 ms
Loss rate: 3.28%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 25.829 ms
Loss rate: 5.78%
```

## Run 2: Report of FillP — Data Link

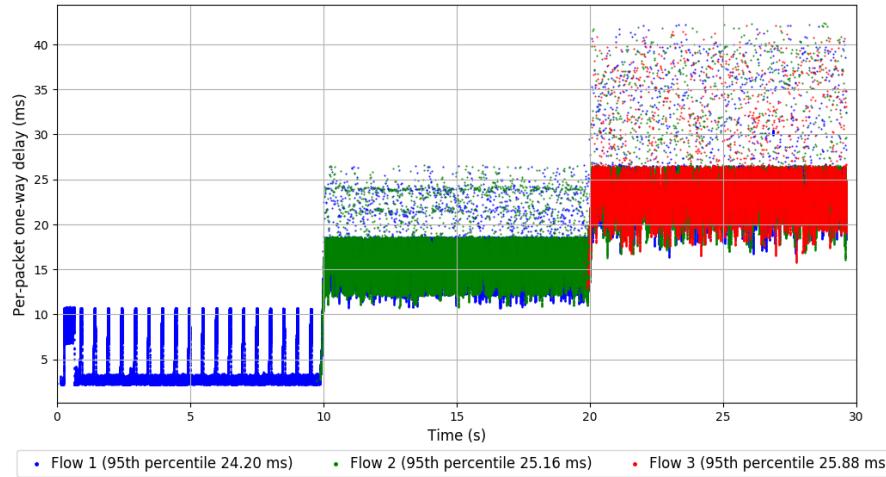
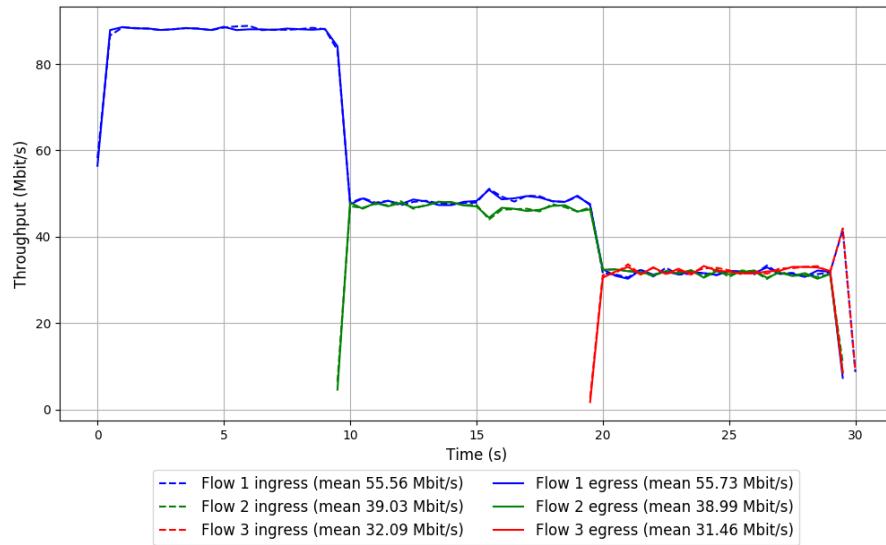


Run 3: Statistics of FillP

```
Start at: 2018-01-31 22:13:36
End at: 2018-01-31 22:14:06
Local clock offset: -0.078 ms
Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2018-02-01 04:58:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 24.996 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 24.197 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 25.161 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 25.881 ms
Loss rate: 6.68%
```

Run 3: Report of FillP — Data Link

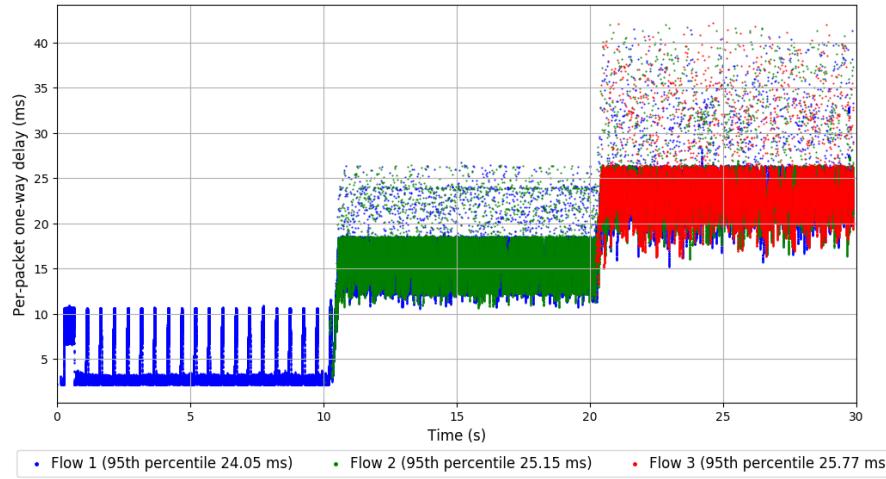
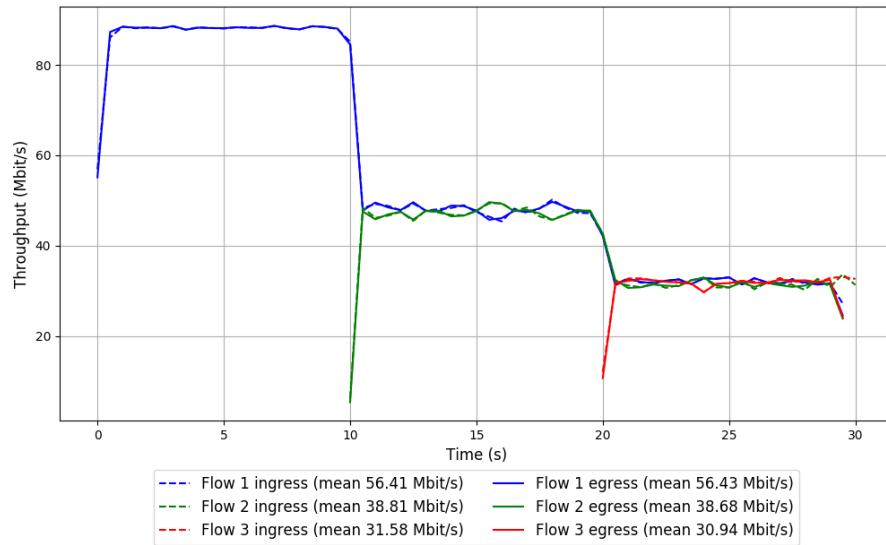


Run 4: Statistics of FillP

```
Start at: 2018-01-31 22:34:57
End at: 2018-01-31 22:35:27
Local clock offset: -0.038 ms
Remote clock offset: 0.524 ms

# Below is generated by plot.py at 2018-02-01 04:58:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 24.921 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 25.152 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 25.772 ms
Loss rate: 6.64%
```

### Run 4: Report of FillP — Data Link

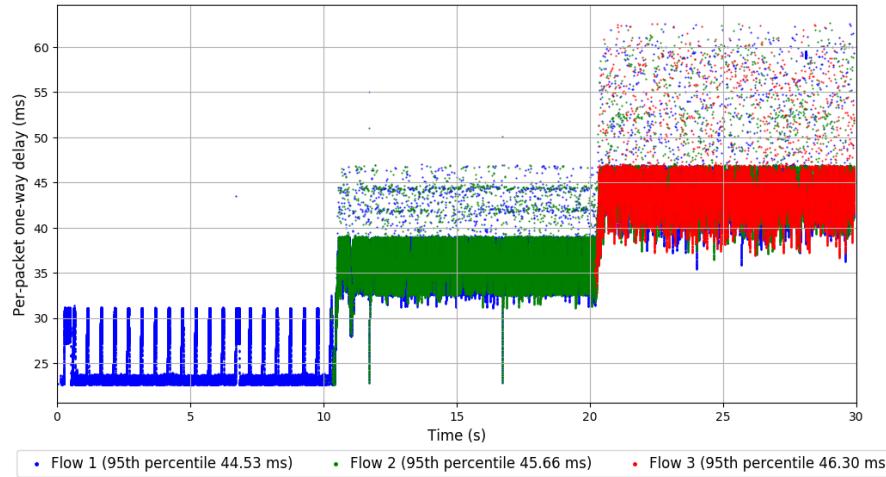
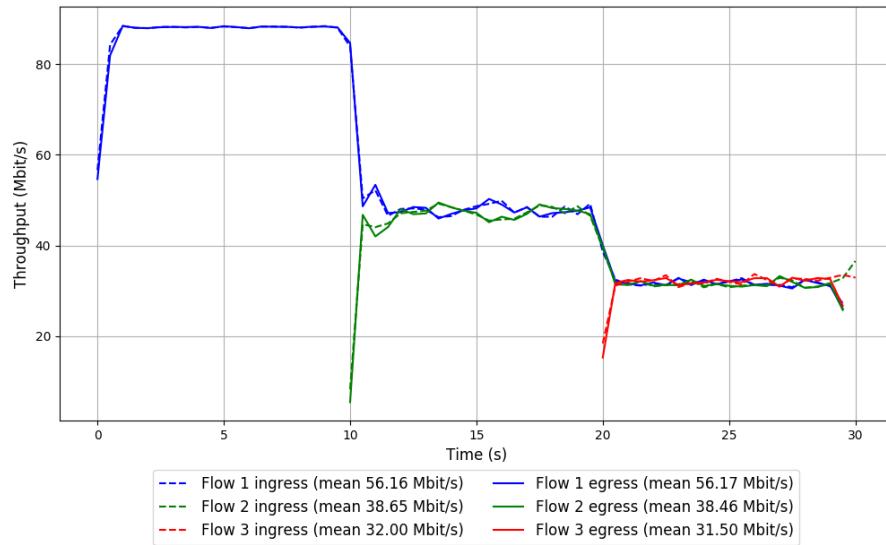


Run 5: Statistics of FillP

```
Start at: 2018-01-31 22:56:44
End at: 2018-01-31 22:57:14
Local clock offset: 0.007 ms
Remote clock offset: -19.728 ms

# Below is generated by plot.py at 2018-02-01 04:58:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 45.406 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 44.528 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 45.657 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 46.297 ms
Loss rate: 6.42%
```

Run 5: Report of FillP — Data Link

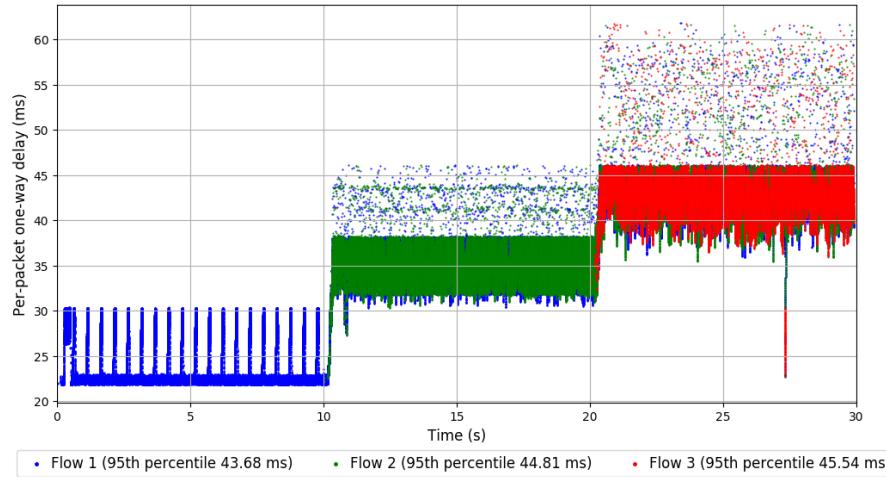
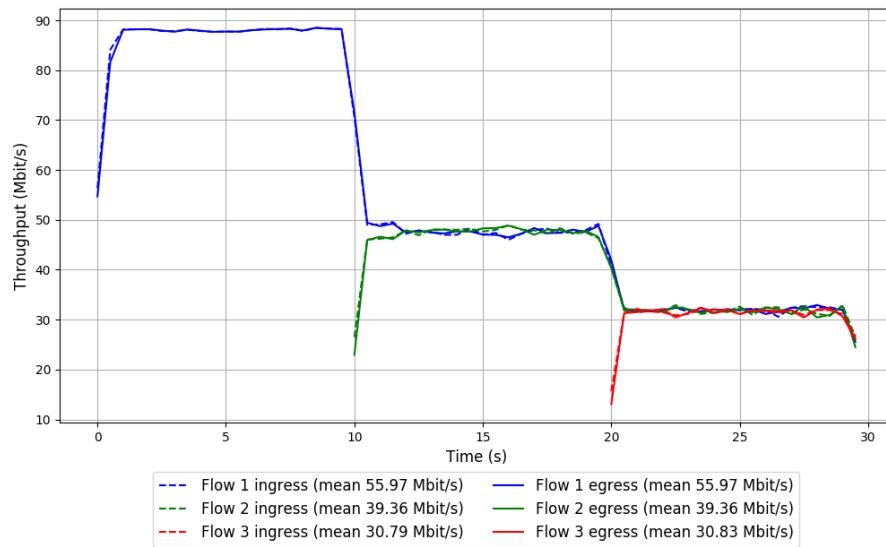


Run 6: Statistics of FillP

```
Start at: 2018-01-31 23:18:36
End at: 2018-01-31 23:19:06
Local clock offset: -0.032 ms
Remote clock offset: -19.008 ms

# Below is generated by plot.py at 2018-02-01 04:58:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 44.605 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 43.682 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 44.812 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 45.536 ms
Loss rate: 0.59%
```

## Run 6: Report of FillP — Data Link

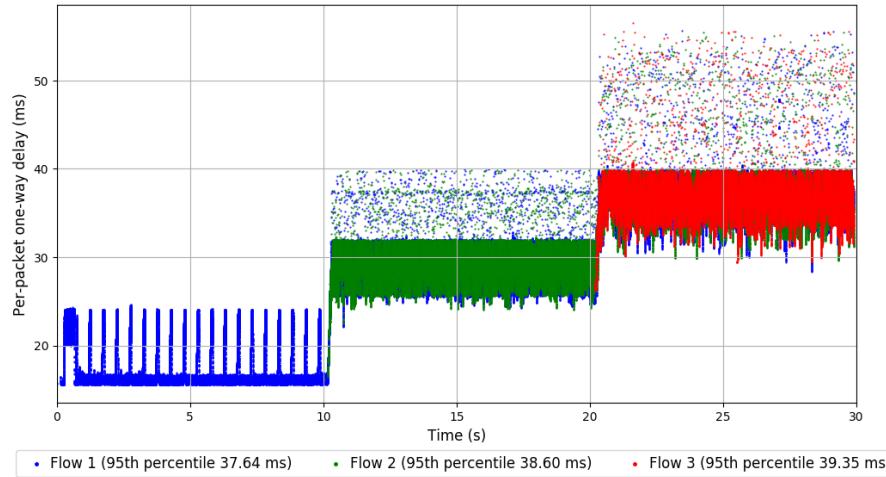
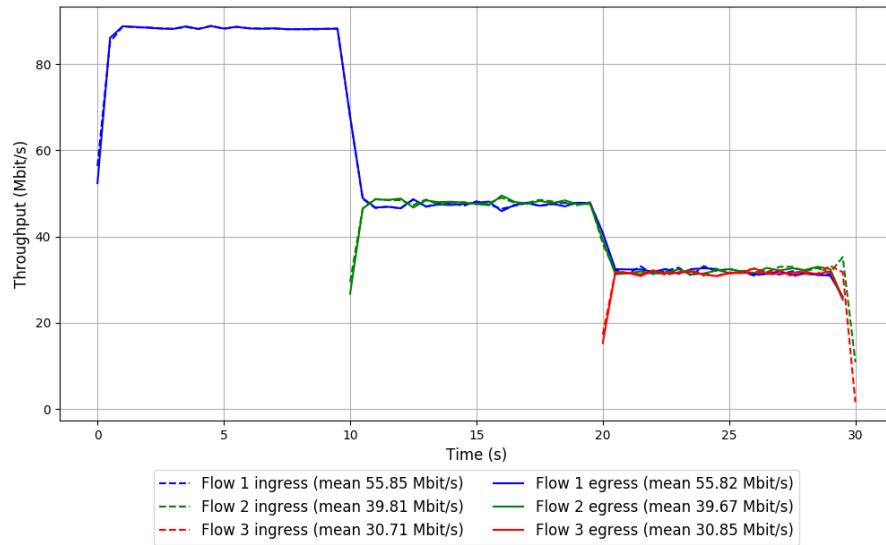


Run 7: Statistics of FillP

```
Start at: 2018-01-31 23:40:25
End at: 2018-01-31 23:40:55
Local clock offset: -0.035 ms
Remote clock offset: -12.898 ms

# Below is generated by plot.py at 2018-02-01 04:58:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 38.470 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 37.640 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 38.596 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 30.85 Mbit/s
95th percentile per-packet one-way delay: 39.354 ms
Loss rate: 1.73%
```

### Run 7: Report of FillP — Data Link

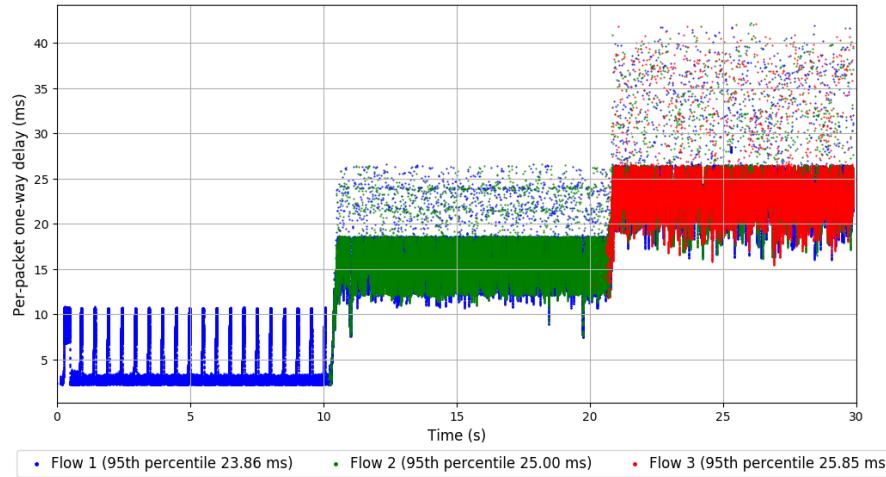
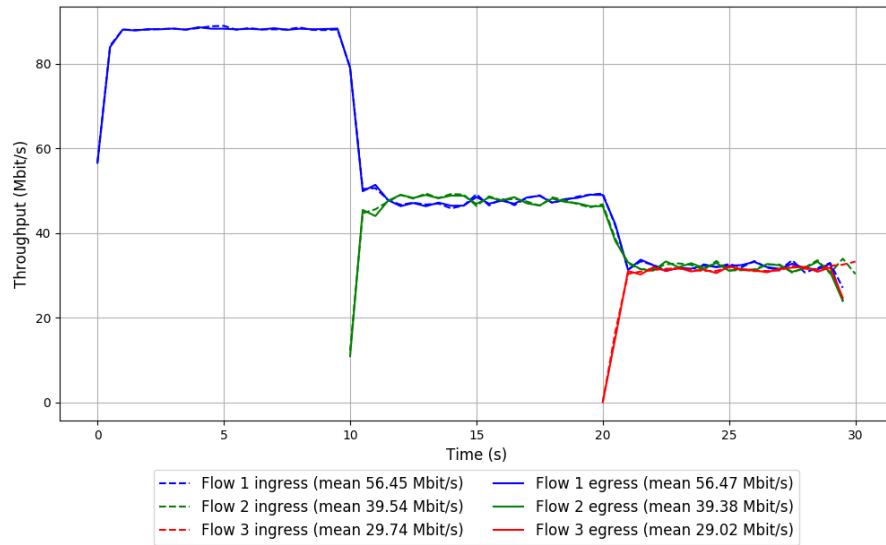


Run 8: Statistics of FillP

```
Start at: 2018-02-01 00:02:28
End at: 2018-02-01 00:02:58
Local clock offset: 0.022 ms
Remote clock offset: 0.672 ms

# Below is generated by plot.py at 2018-02-01 04:59:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 24.797 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 23.861 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 25.001 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 25.852 ms
Loss rate: 6.98%
```

### Run 8: Report of FillP — Data Link

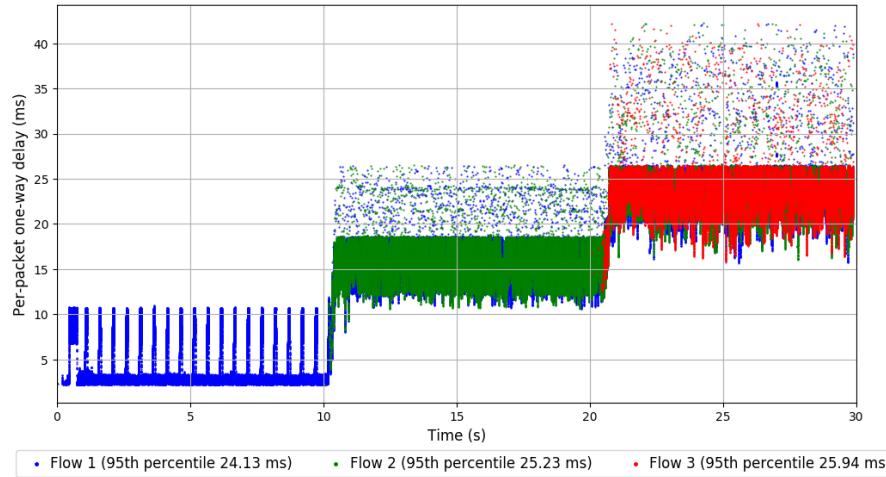
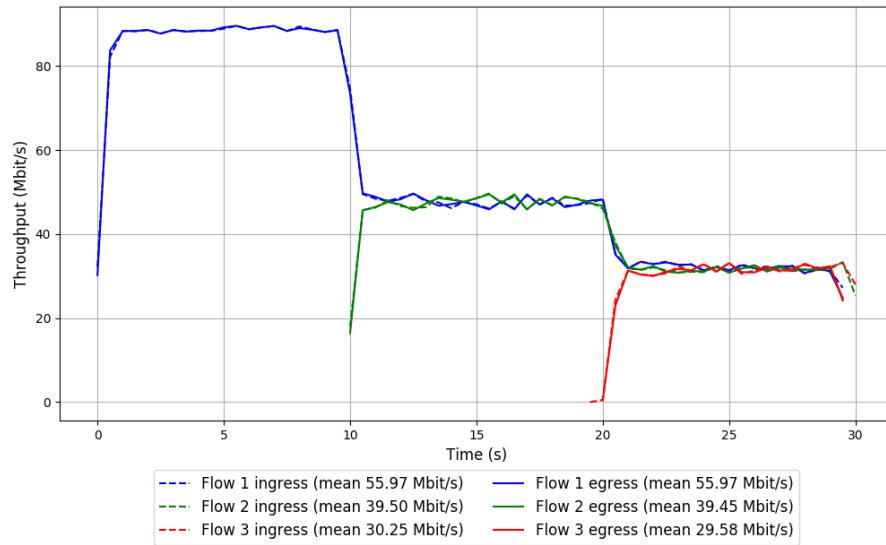


Run 9: Statistics of FillP

```
Start at: 2018-02-01 00:24:16
End at: 2018-02-01 00:24:46
Local clock offset: 0.253 ms
Remote clock offset: 1.015 ms

# Below is generated by plot.py at 2018-02-01 05:00:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 25.053 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 24.132 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 25.234 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 29.58 Mbit/s
95th percentile per-packet one-way delay: 25.942 ms
Loss rate: 6.27%
```

Run 9: Report of FillP — Data Link

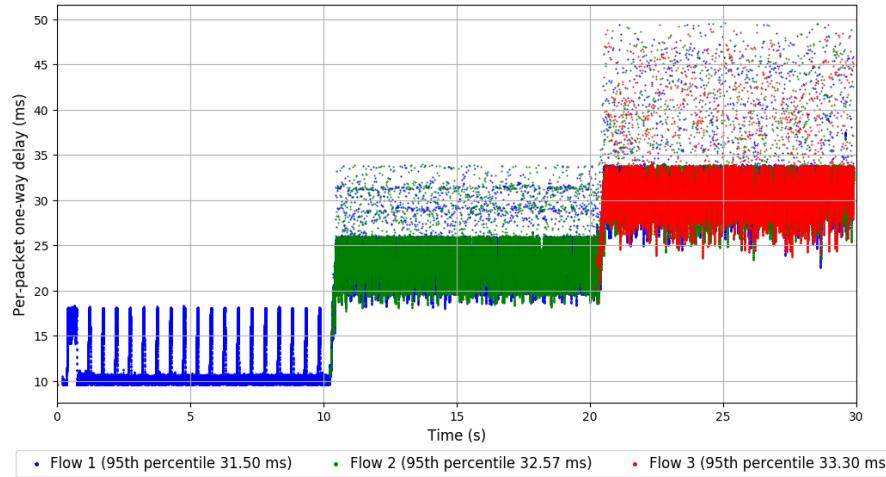
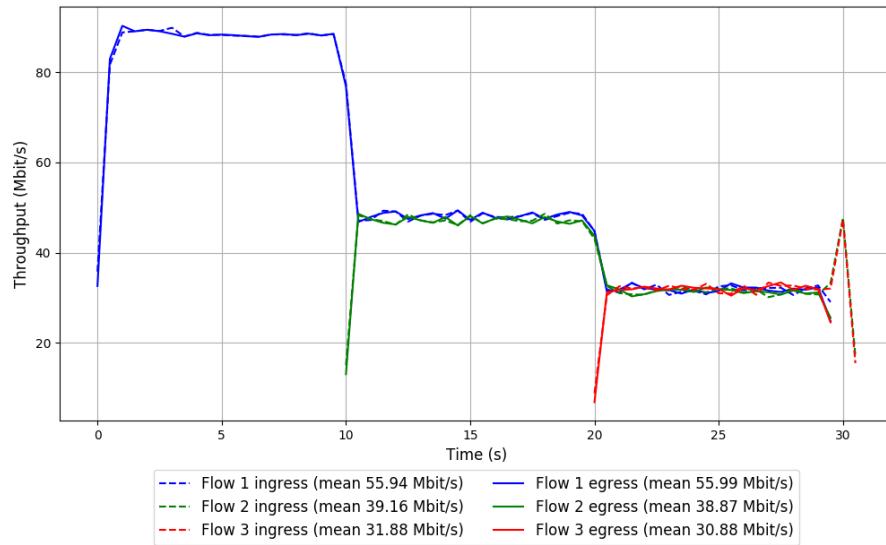


Run 10: Statistics of FillP

```
Start at: 2018-02-01 00:46:02
End at: 2018-02-01 00:46:32
Local clock offset: 0.398 ms
Remote clock offset: -6.199 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 32.385 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 38.87 Mbit/s
95th percentile per-packet one-way delay: 32.566 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 33.297 ms
Loss rate: 10.59%
```

## Run 10: Report of FillP — Data Link

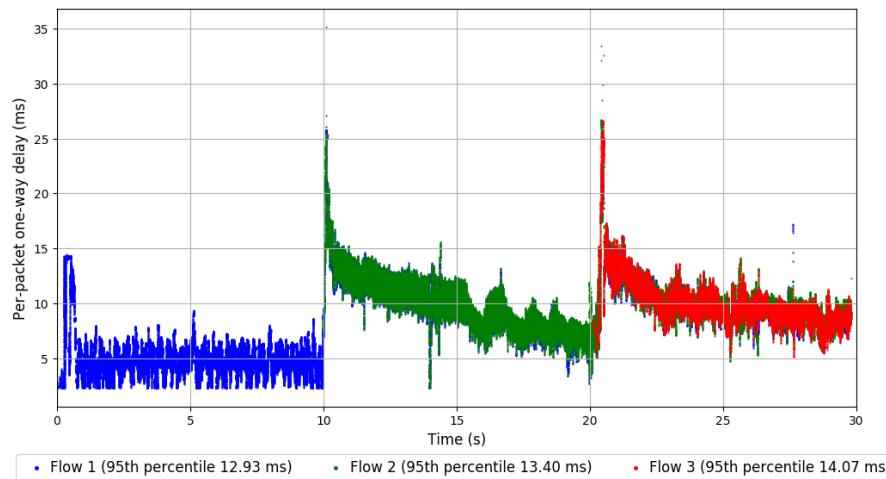
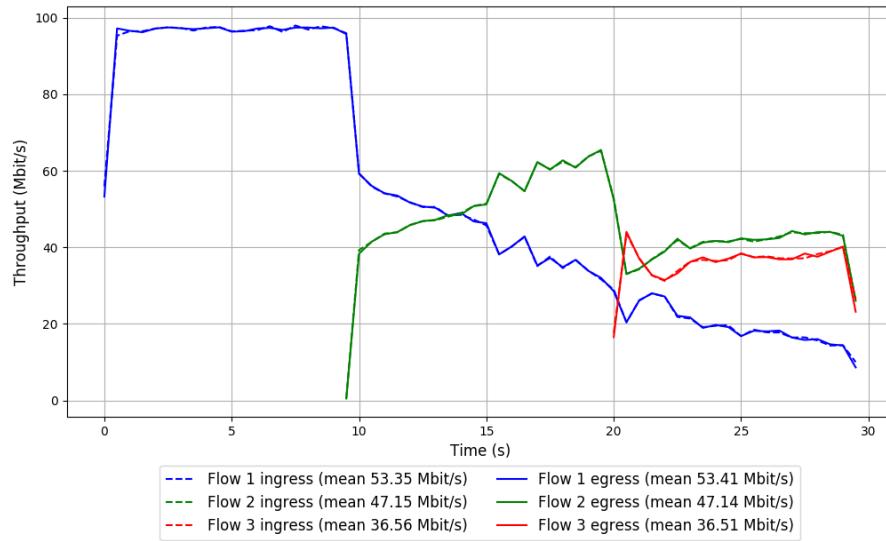


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-01-31 21:34:44
End at: 2018-01-31 21:35:14
Local clock offset: -0.075 ms
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 13.236 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 12.927 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 13.404 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 14.073 ms
Loss rate: 0.56%
```

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

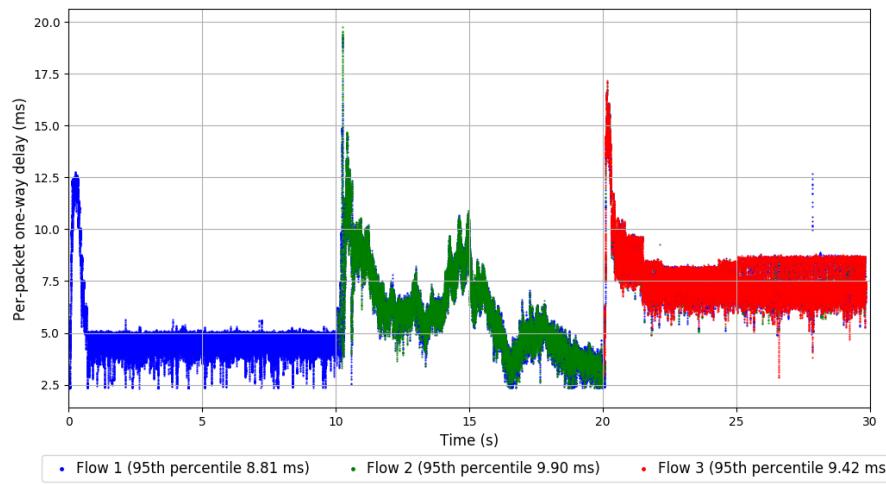
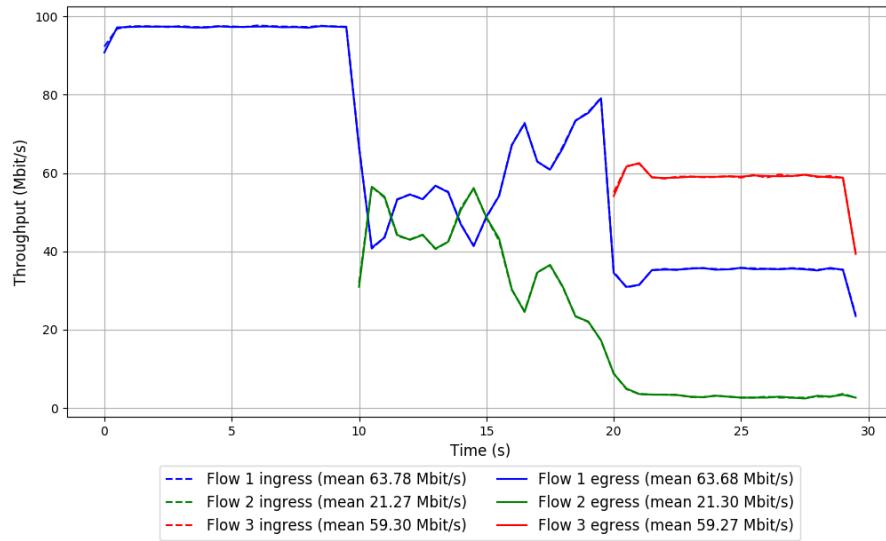


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-01-31 21:56:55
End at: 2018-01-31 21:57:25
Local clock offset: -0.006 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.26 Mbit/s
95th percentile per-packet one-way delay: 9.315 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 8.808 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 9.905 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 9.420 ms
Loss rate: 0.10%
```

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

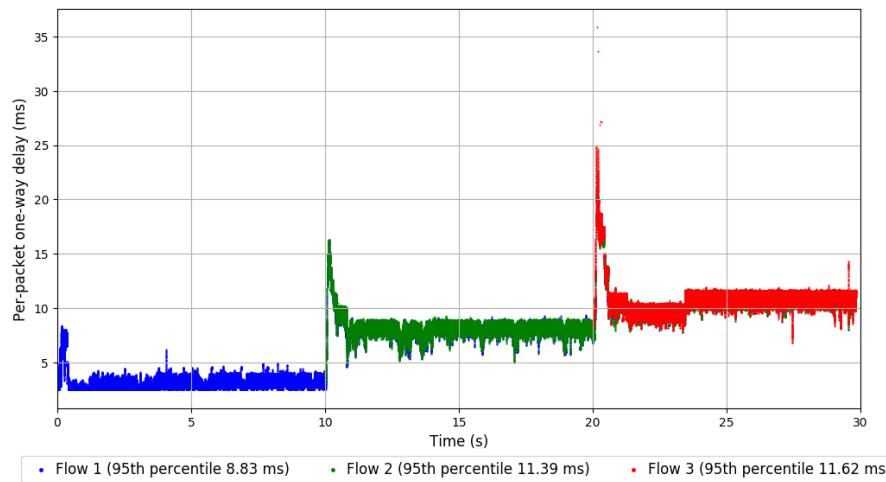
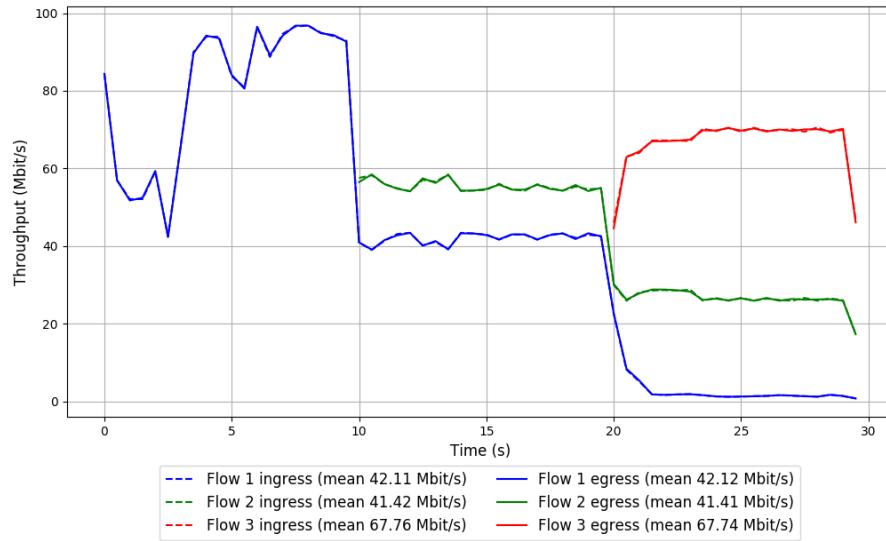


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-01-31 22:18:21
End at: 2018-01-31 22:18:51
Local clock offset: 0.006 ms
Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 11.499 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 8.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.41 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 11.617 ms
Loss rate: 0.14%
```

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

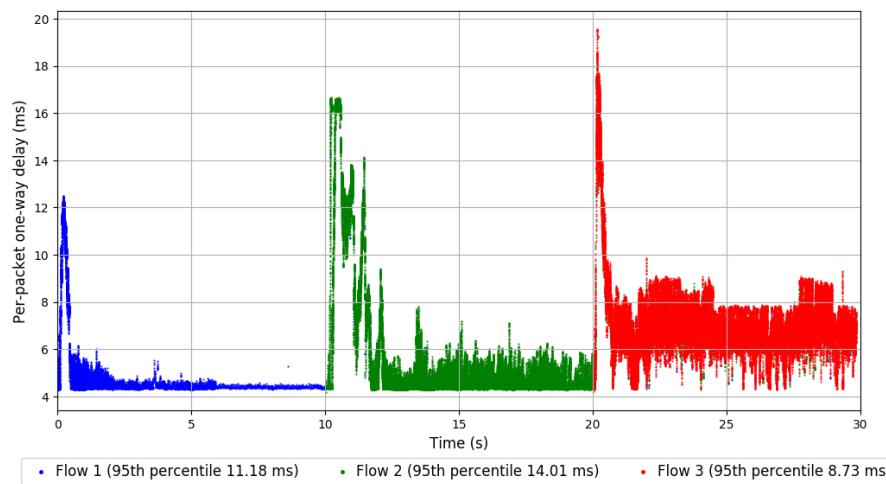
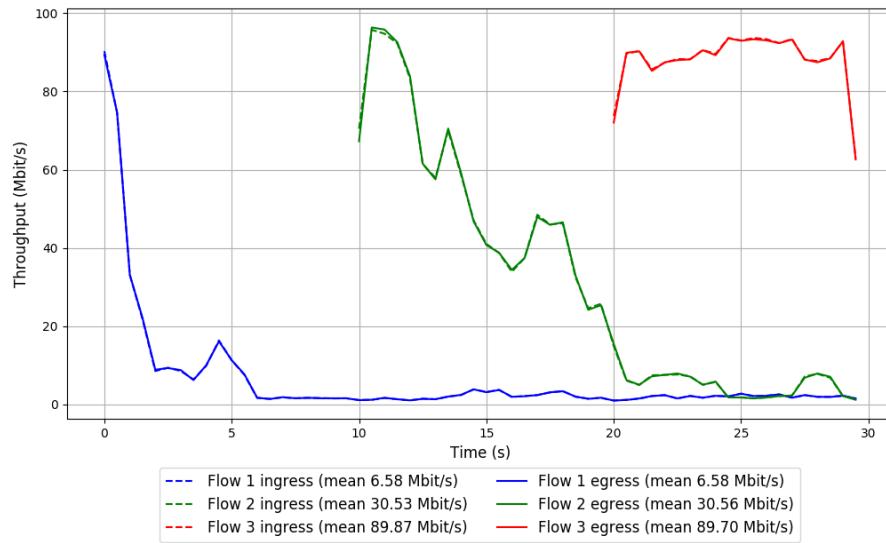


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-01-31 22:39:44
End at: 2018-01-31 22:40:14
Local clock offset: -0.021 ms
Remote clock offset: -1.397 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 11.996 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 11.177 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 14.011 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 8.731 ms
Loss rate: 0.25%
```

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

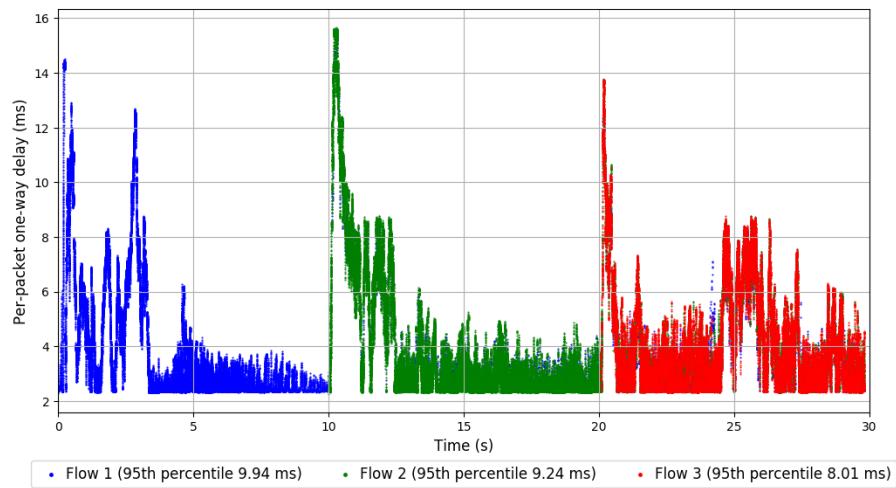
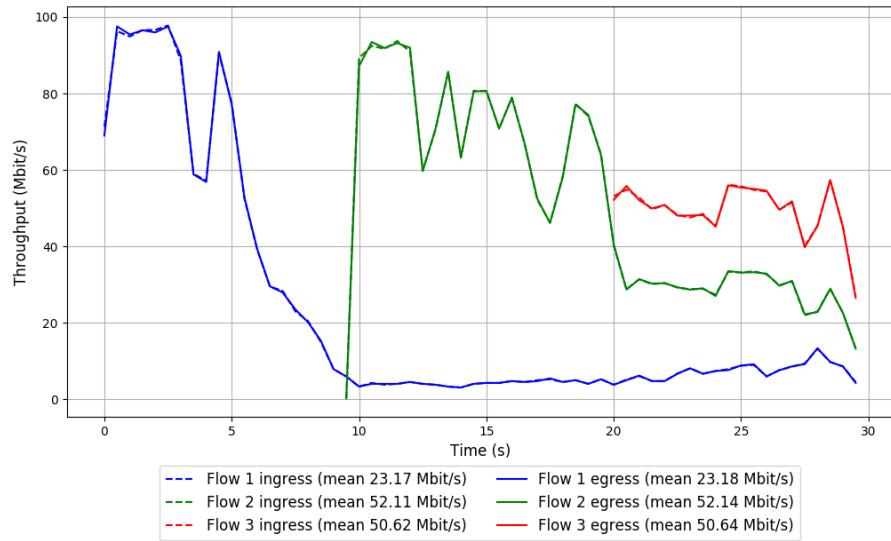


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-01-31 23:01:31
End at: 2018-01-31 23:02:01
Local clock offset: -0.024 ms
Remote clock offset: 0.661 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 9.052 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 9.939 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 52.14 Mbit/s
95th percentile per-packet one-way delay: 9.243 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 50.64 Mbit/s
95th percentile per-packet one-way delay: 8.013 ms
Loss rate: 0.09%
```

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

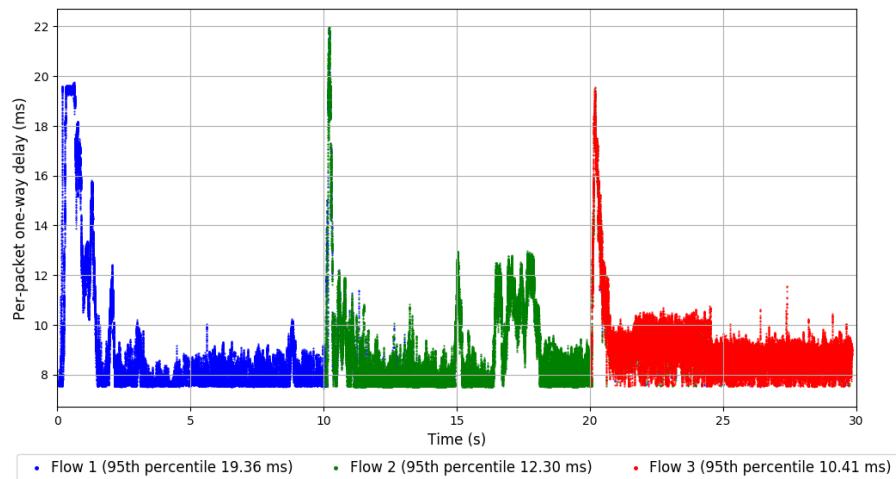
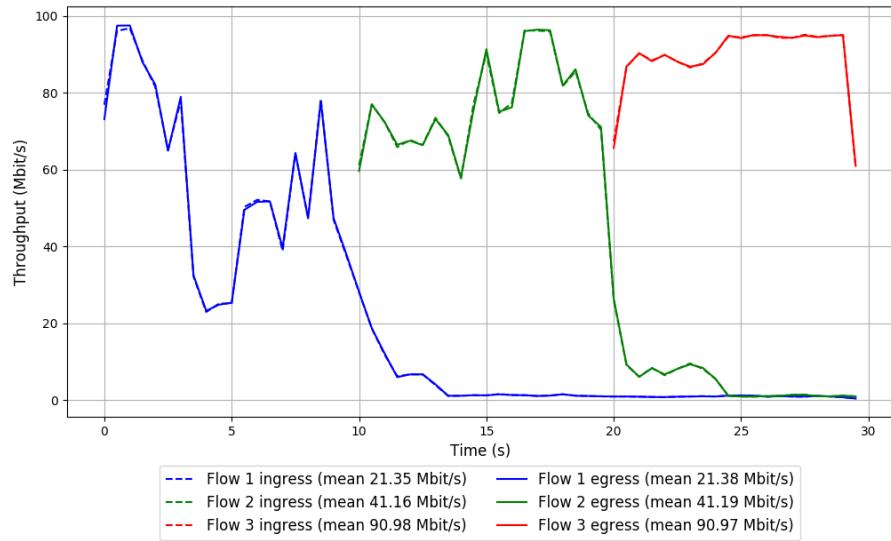


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-01-31 23:23:31
End at: 2018-01-31 23:24:01
Local clock offset: -0.084 ms
Remote clock offset: -4.657 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 13.260 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 12.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 10.407 ms
Loss rate: 0.06%
```

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

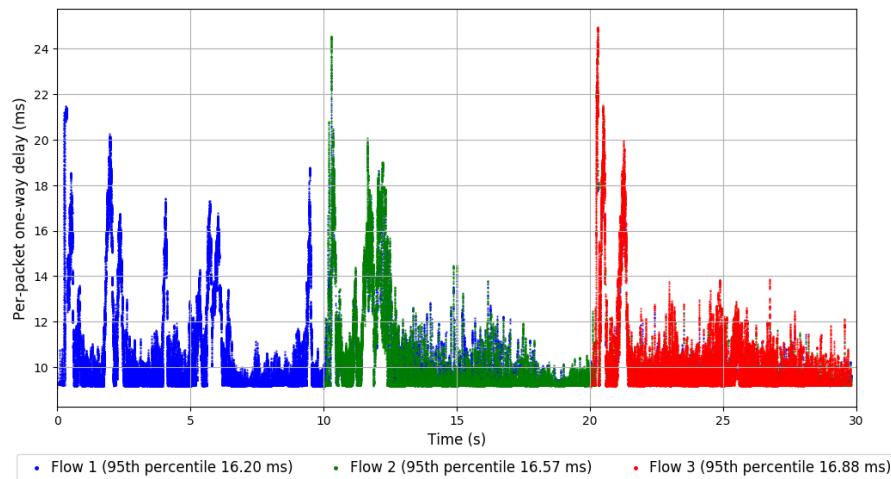
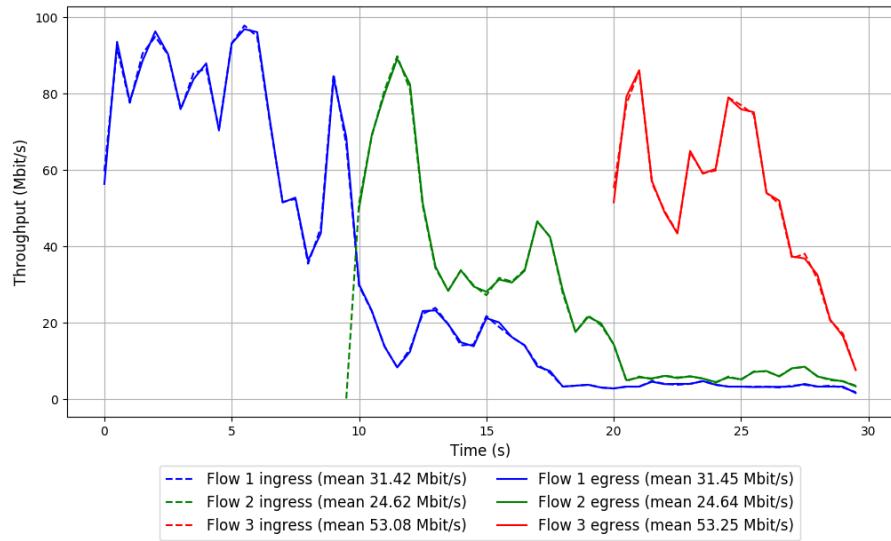


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-01-31 23:45:12
End at: 2018-01-31 23:45:42
Local clock offset: -0.034 ms
Remote clock offset: -6.292 ms

# Below is generated by plot.py at 2018-02-01 05:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 16.412 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 16.198 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 16.571 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 16.882 ms
Loss rate: 0.07%
```

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

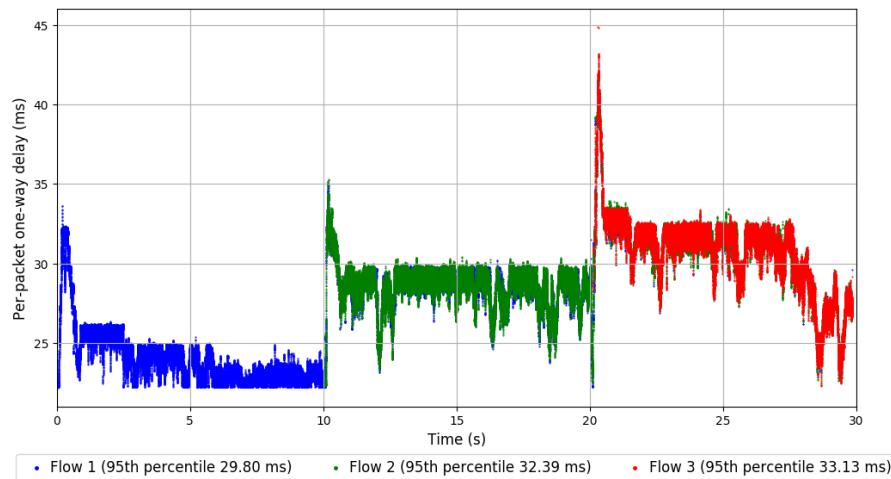
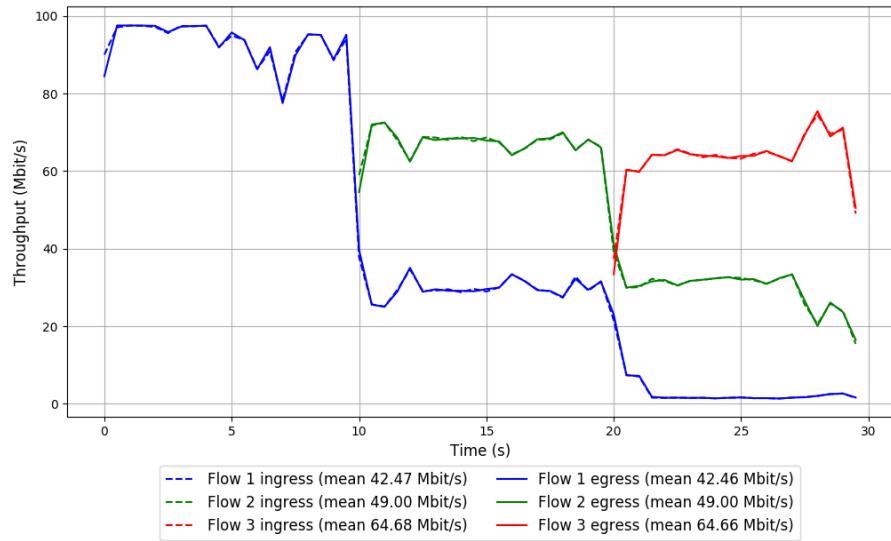


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-02-01 00:07:15
End at: 2018-02-01 00:07:45
Local clock offset: 0.101 ms
Remote clock offset: -19.118 ms

# Below is generated by plot.py at 2018-02-01 05:01:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 32.406 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 29.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 32.388 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 33.134 ms
Loss rate: 0.15%
```

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

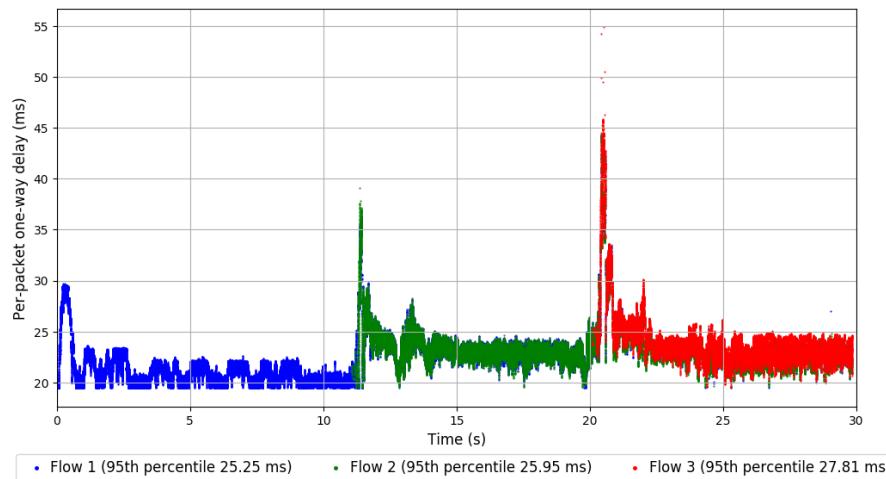
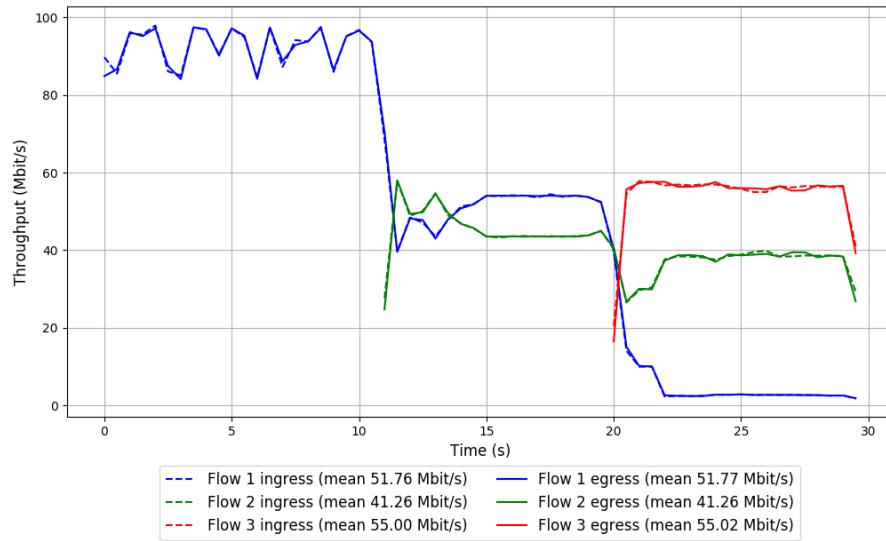


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-02-01 00:29:05
End at: 2018-02-01 00:29:35
Local clock offset: 0.283 ms
Remote clock offset: -16.032 ms

# Below is generated by plot.py at 2018-02-01 05:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 26.105 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 25.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 25.953 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 27.811 ms
Loss rate: 0.43%
```

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

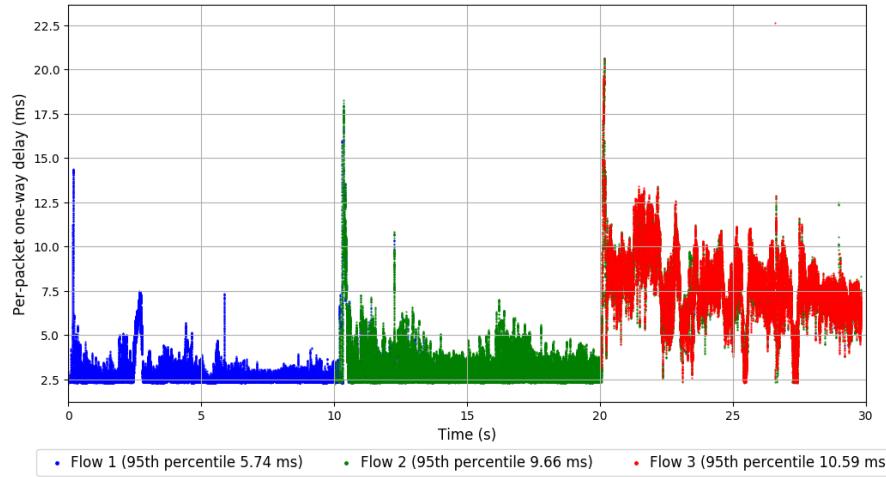
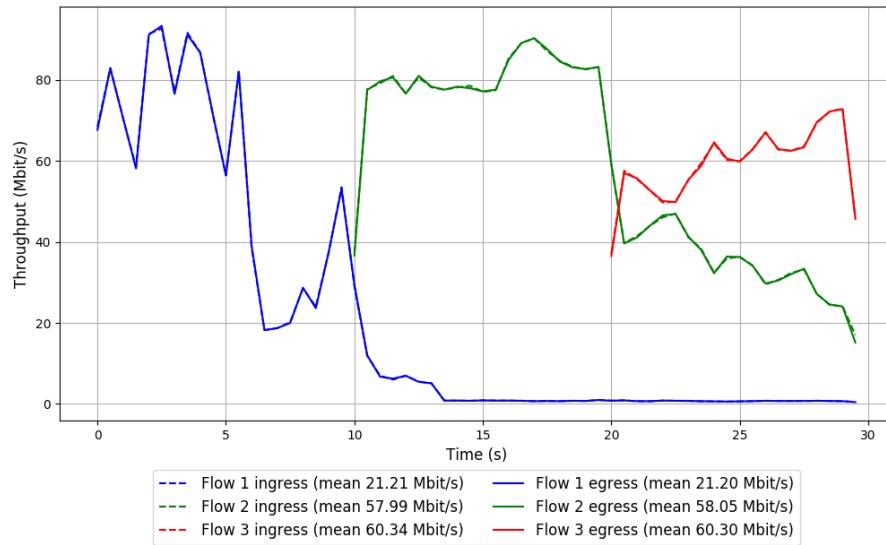


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-02-01 00:50:54
End at: 2018-02-01 00:51:24
Local clock offset: 0.408 ms
Remote clock offset: 1.228 ms

# Below is generated by plot.py at 2018-02-01 05:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 9.722 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 21.20 Mbit/s
95th percentile per-packet one-way delay: 5.737 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 58.05 Mbit/s
95th percentile per-packet one-way delay: 9.665 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 10.586 ms
Loss rate: 0.12%
```

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

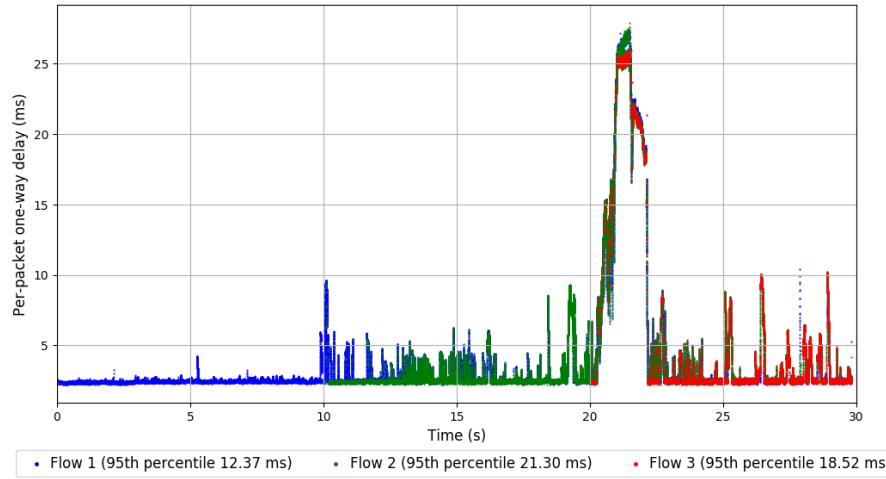
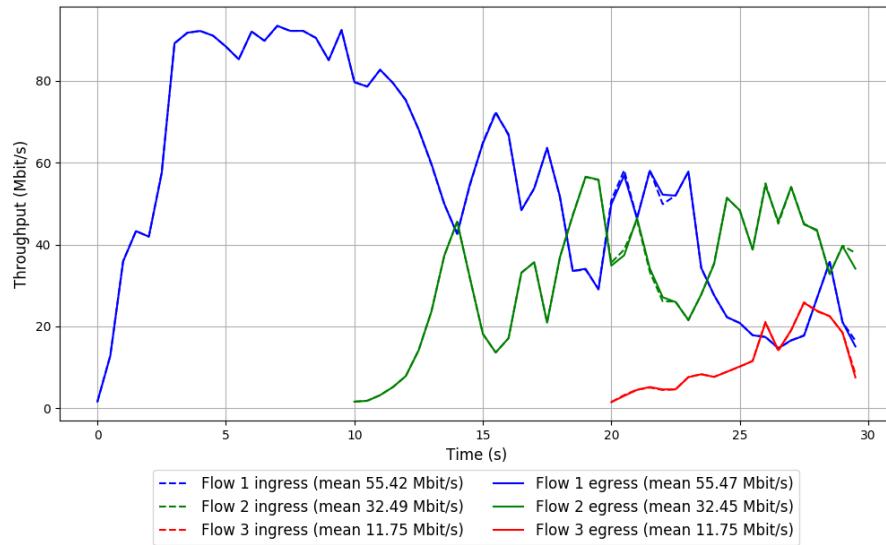


Run 1: Statistics of Vivace-latency

```
Start at: 2018-01-31 21:33:32
End at: 2018-01-31 21:34:02
Local clock offset: -0.041 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2018-02-01 05:01:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 15.937 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.47 Mbit/s
95th percentile per-packet one-way delay: 12.368 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 21.301 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 18.518 ms
Loss rate: 0.43%
```

Run 1: Report of Vivace-latency — Data Link

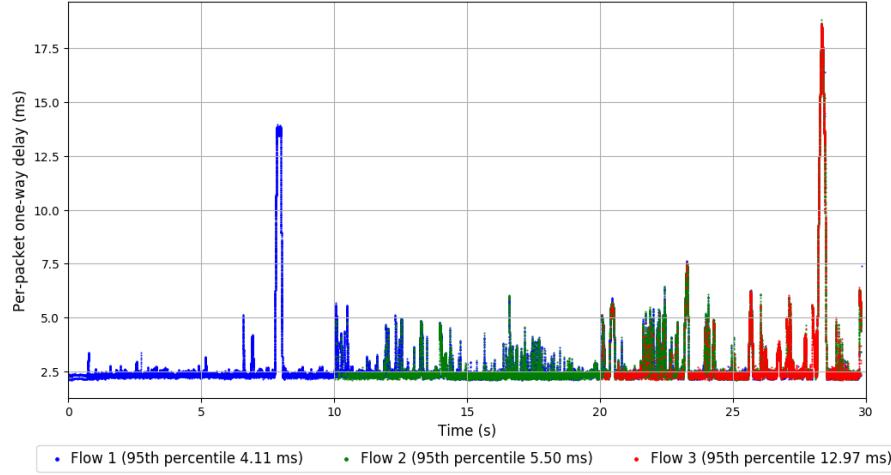
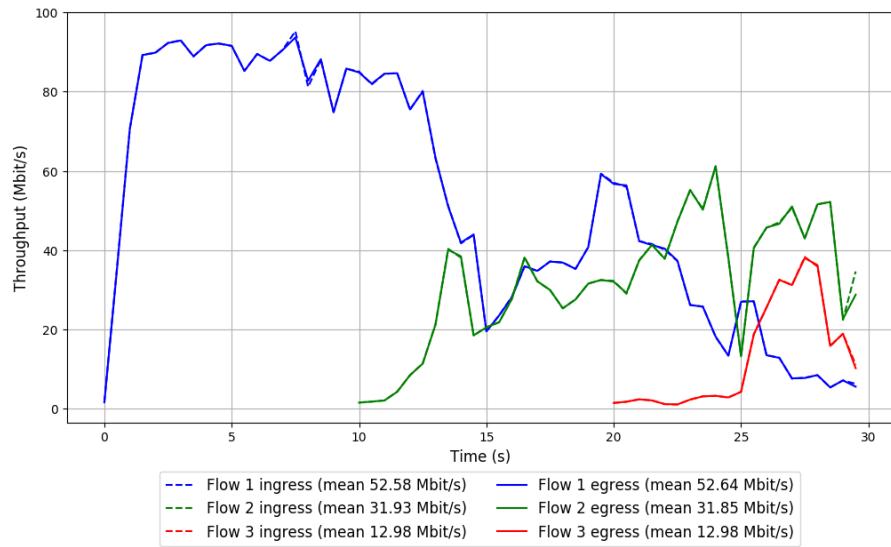


Run 2: Statistics of Vivace-latency

```
Start at: 2018-01-31 21:55:43
End at: 2018-01-31 21:56:13
Local clock offset: -0.053 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-02-01 05:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 4.720 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 4.112 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 5.504 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 12.974 ms
Loss rate: 0.38%
```

## Run 2: Report of Vivace-latency — Data Link

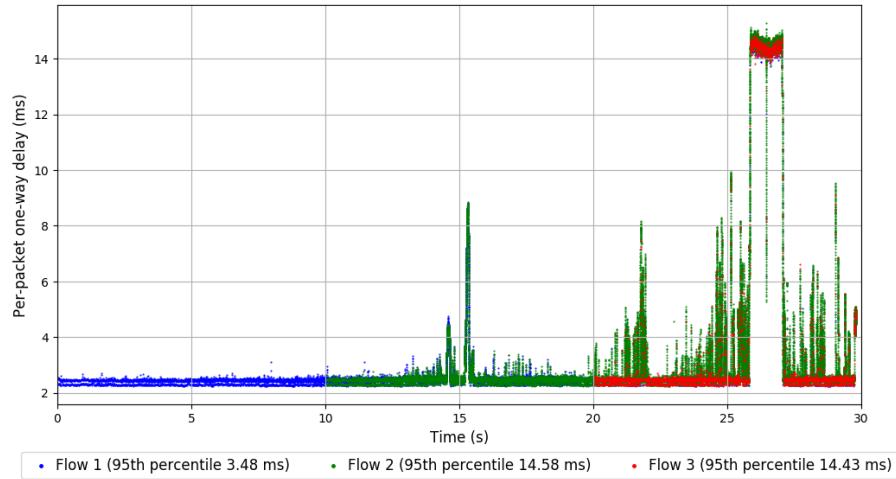
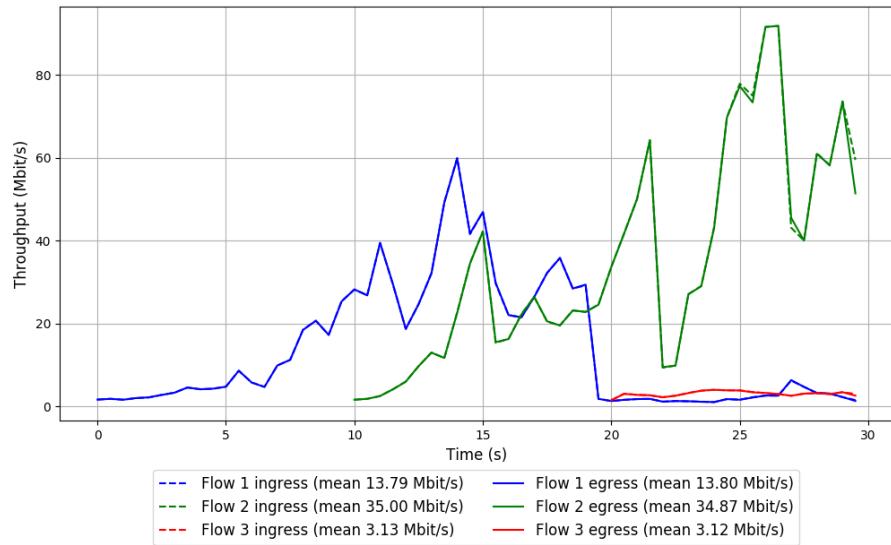


Run 3: Statistics of Vivace-latency

```
Start at: 2018-01-31 22:17:12
End at: 2018-01-31 22:17:42
Local clock offset: -0.005 ms
Remote clock offset: 0.168 ms

# Below is generated by plot.py at 2018-02-01 05:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 14.498 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: 3.476 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 14.582 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 14.427 ms
Loss rate: 0.71%
```

Run 3: Report of Vivace-latency — Data Link

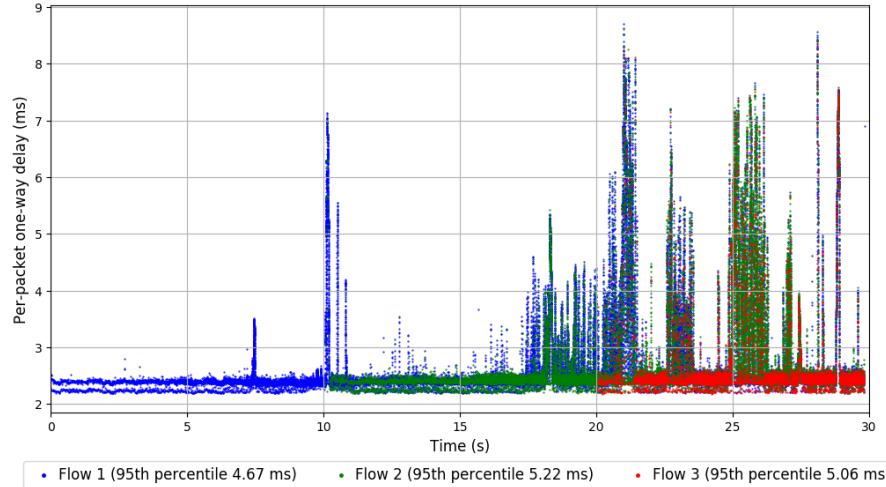
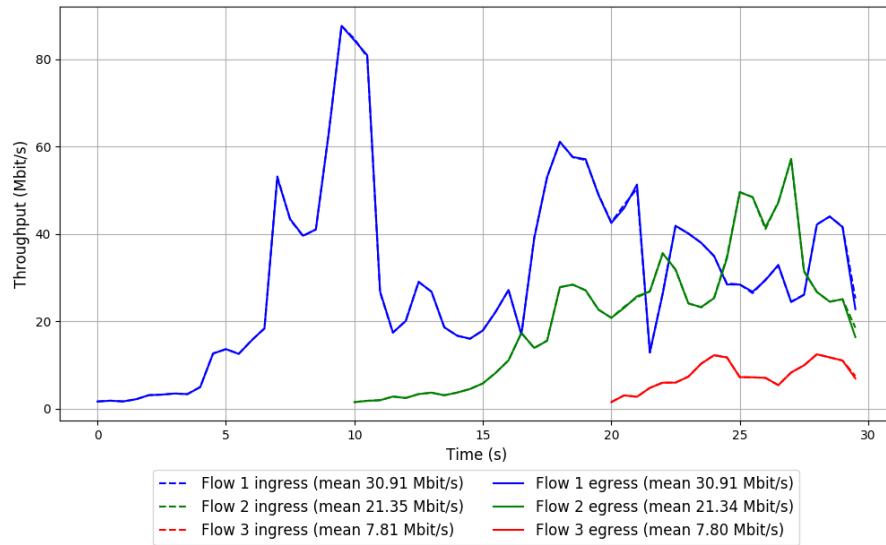


Run 4: Statistics of Vivace-latency

```
Start at: 2018-01-31 22:38:34
End at: 2018-01-31 22:39:04
Local clock offset: 0.017 ms
Remote clock offset: 0.547 ms

# Below is generated by plot.py at 2018-02-01 05:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 4.904 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 4.667 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 5.224 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 5.059 ms
Loss rate: 0.39%
```

Run 4: Report of Vivace-latency — Data Link

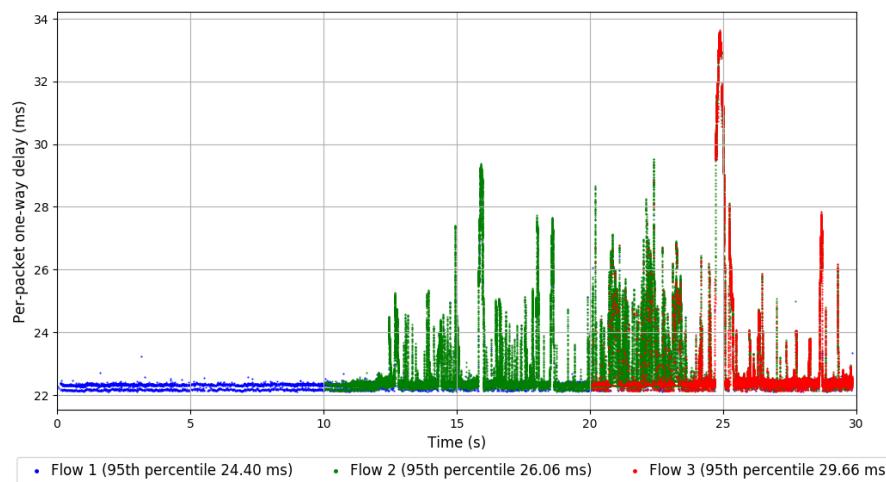
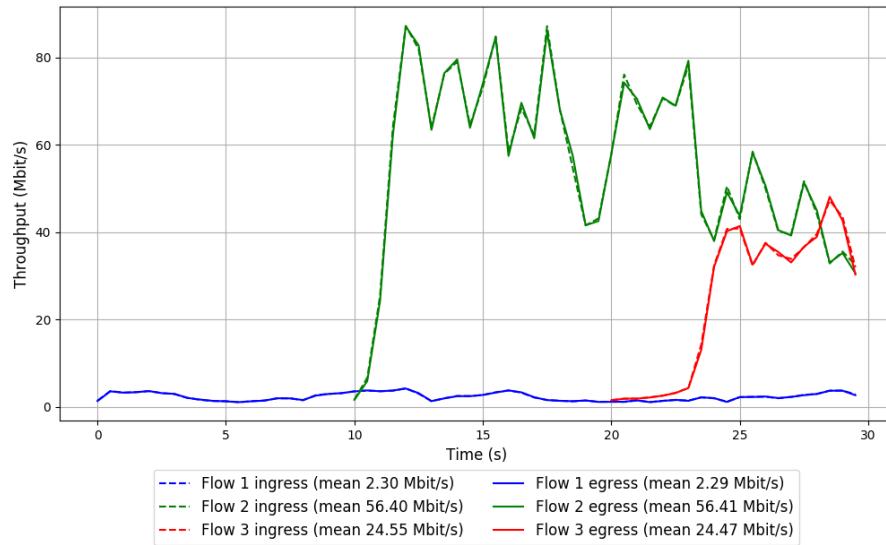


Run 5: Statistics of Vivace-latency

```
Start at: 2018-01-31 23:00:21
End at: 2018-01-31 23:00:51
Local clock offset: -0.052 ms
Remote clock offset: -19.339 ms

# Below is generated by plot.py at 2018-02-01 05:01:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 26.363 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 26.064 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 29.664 ms
Loss rate: 0.82%
```

Run 5: Report of Vivace-latency — Data Link

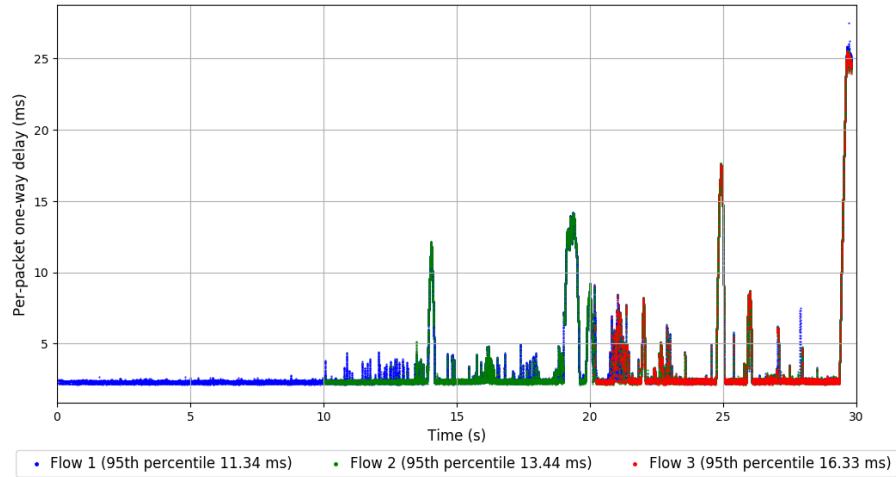
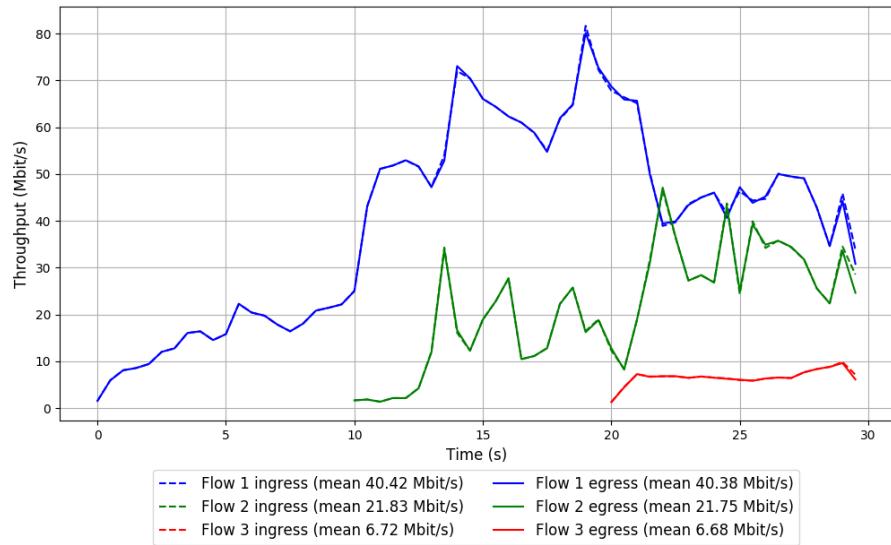


Run 6: Statistics of Vivace-latency

```
Start at: 2018-01-31 23:22:13
End at: 2018-01-31 23:22:43
Local clock offset: -0.1 ms
Remote clock offset: 0.558 ms

# Below is generated by plot.py at 2018-02-01 05:02:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.02 Mbit/s
95th percentile per-packet one-way delay: 11.911 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 11.343 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 21.75 Mbit/s
95th percentile per-packet one-way delay: 13.436 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 16.328 ms
Loss rate: 0.98%
```

Run 6: Report of Vivace-latency — Data Link

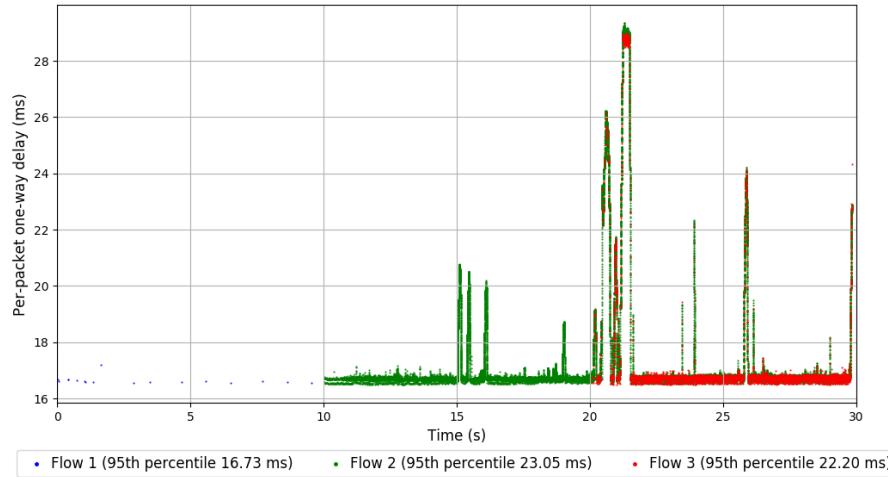
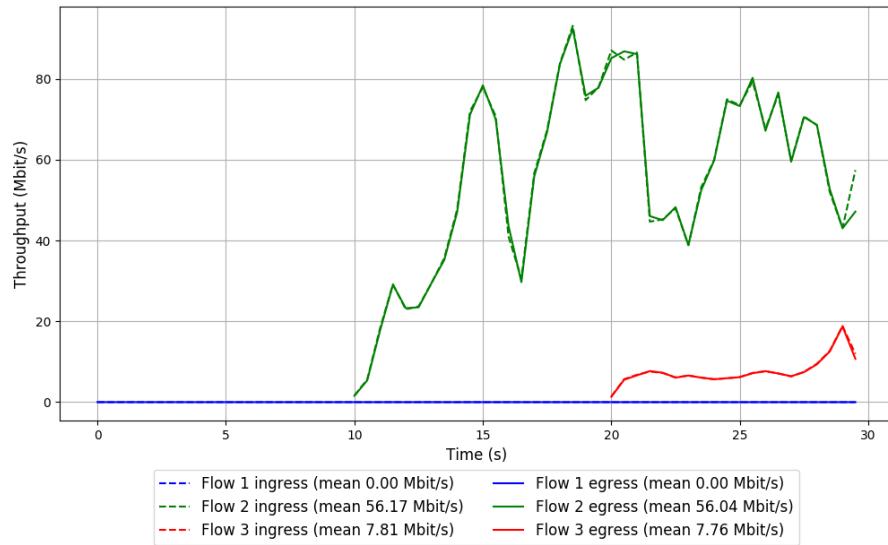


Run 7: Statistics of Vivace-latency

```
Start at: 2018-01-31 23:44:01
End at: 2018-01-31 23:44:31
Local clock offset: -0.115 ms
Remote clock offset: -13.874 ms

# Below is generated by plot.py at 2018-02-01 05:02:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 22.980 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.732 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 23.051 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 22.198 ms
Loss rate: 1.19%
```

Run 7: Report of Vivace-latency — Data Link

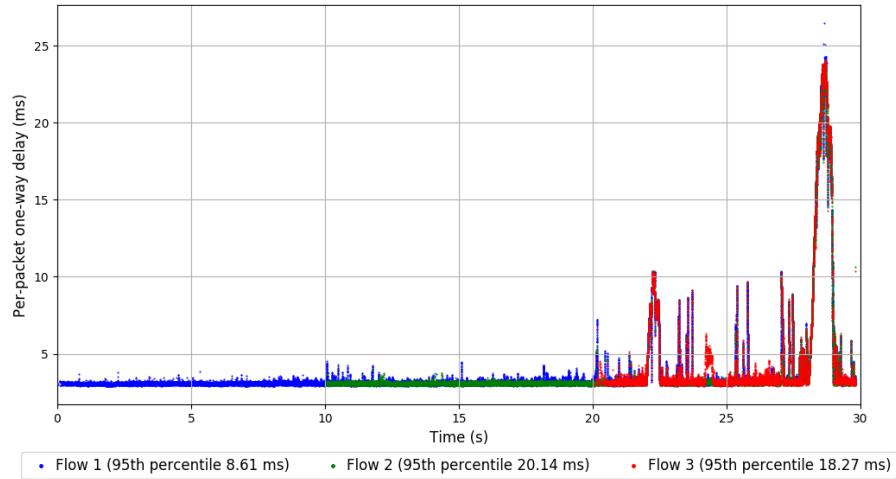
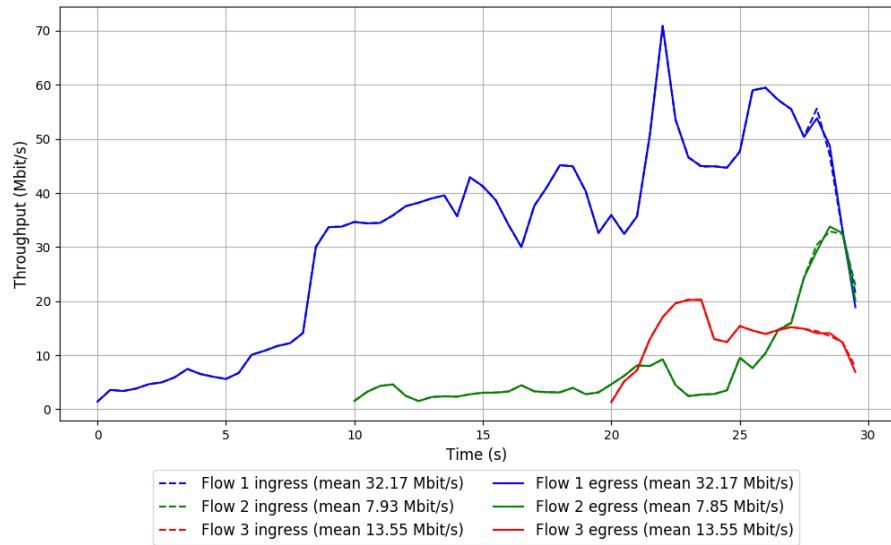


Run 8: Statistics of Vivace-latency

```
Start at: 2018-02-01 00:06:03
End at: 2018-02-01 00:06:33
Local clock offset: 0.066 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-02-01 05:02:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 12.879 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 8.613 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 20.144 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 18.275 ms
Loss rate: 0.37%
```

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

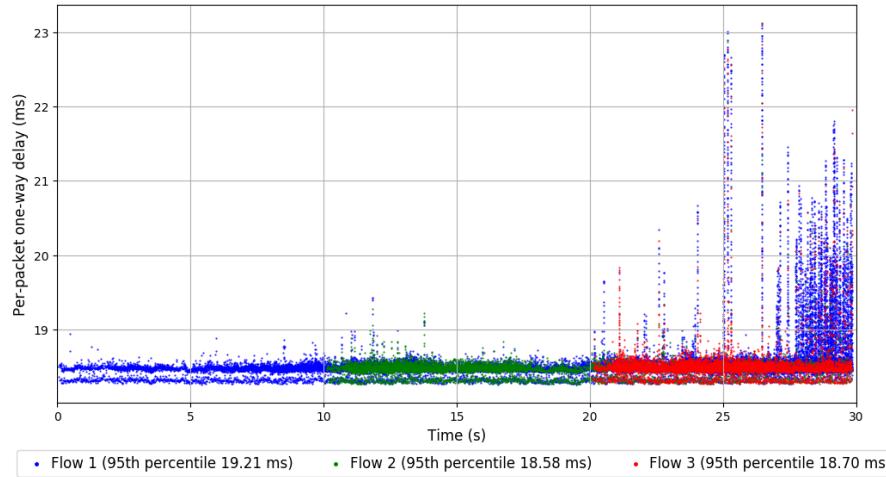
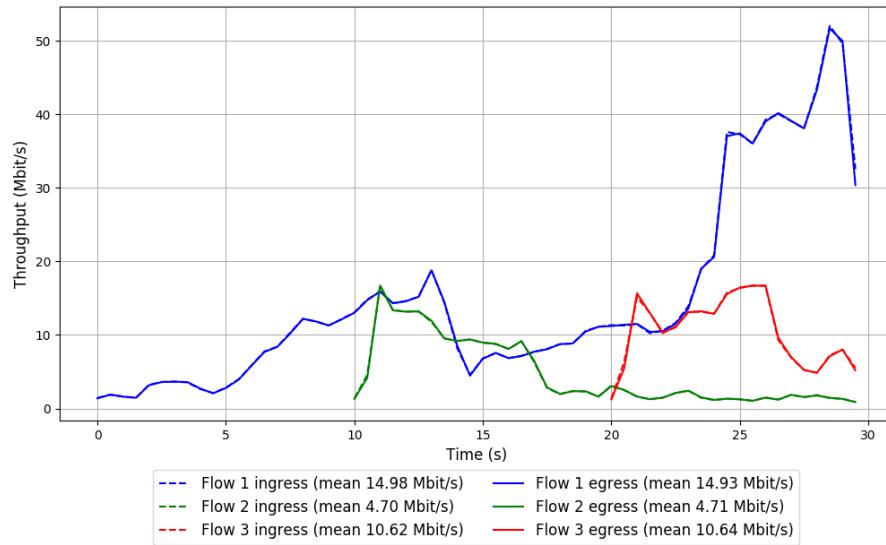


Run 9: Statistics of Vivace-latency

```
Start at: 2018-02-01 00:27:56
End at: 2018-02-01 00:28:26
Local clock offset: 0.21 ms
Remote clock offset: -15.093 ms

# Below is generated by plot.py at 2018-02-01 05:02:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 18.983 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 18.579 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 18.703 ms
Loss rate: 0.30%
```

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

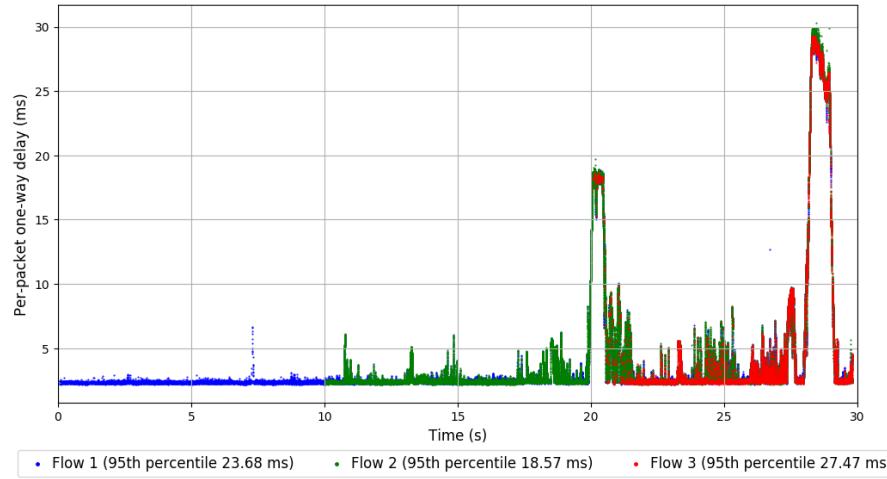
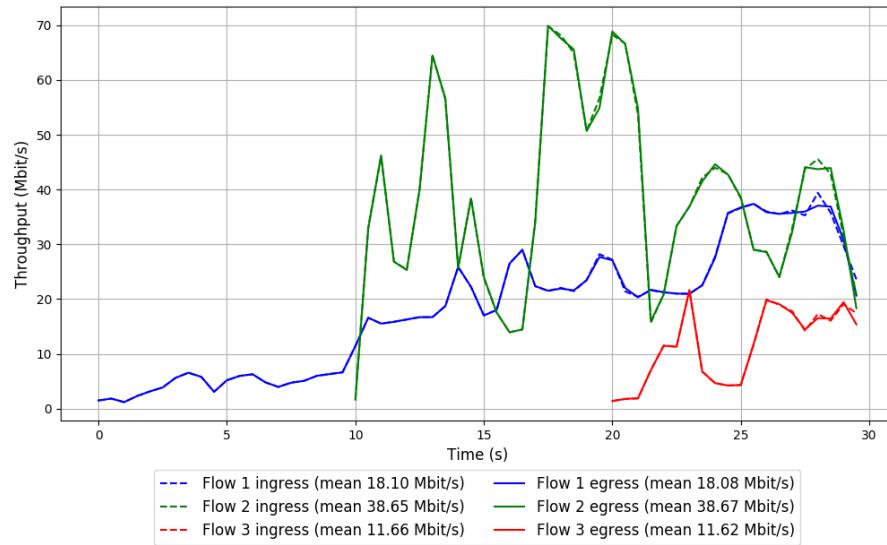


Run 10: Statistics of Vivace-latency

```
Start at: 2018-02-01 00:49:42
End at: 2018-02-01 00:50:12
Local clock offset: 0.432 ms
Remote clock offset: 1.205 ms

# Below is generated by plot.py at 2018-02-01 05:02:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 23.348 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 23.676 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 18.571 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 27.473 ms
Loss rate: 0.95%
```

Run 10: Report of Vivace-latency — Data Link

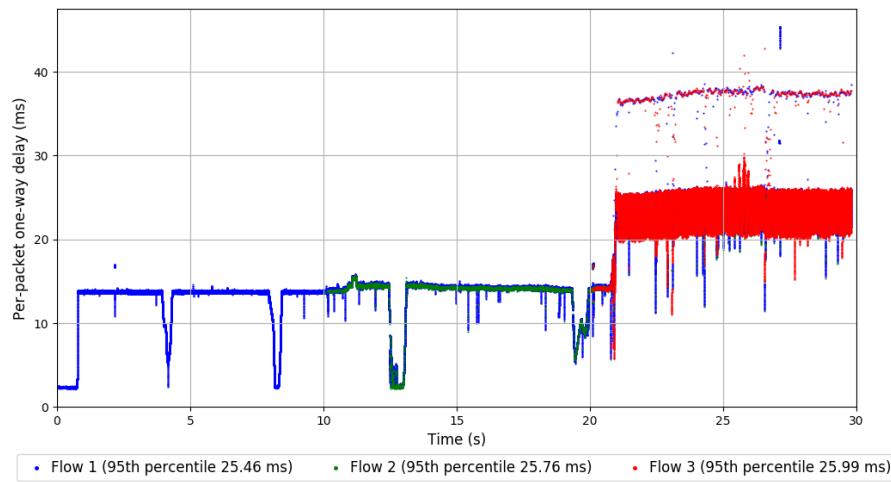
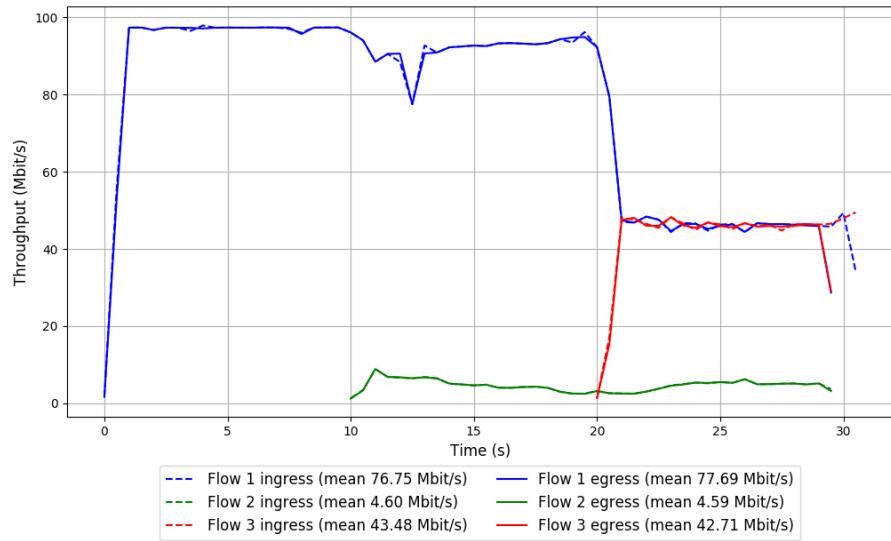


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-01-31 21:46:07
End at: 2018-01-31 21:46:37
Local clock offset: -0.002 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-02-01 05:03:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 25.702 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 25.456 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 25.761 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 25.987 ms
Loss rate: 12.30%
```

Run 1: Report of Vivace-loss — Data Link

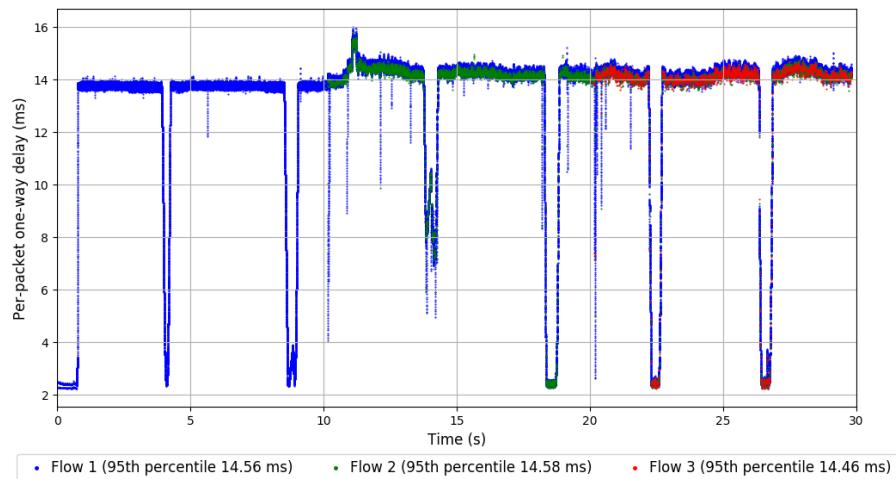
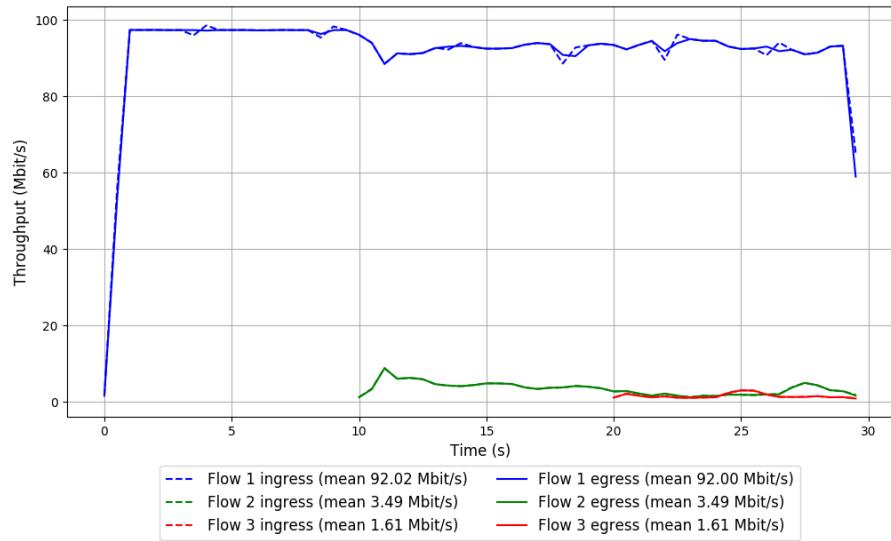


Run 2: Statistics of Vivace-loss

```
Start at: 2018-01-31 22:07:34
End at: 2018-01-31 22:08:04
Local clock offset: -0.027 ms
Remote clock offset: 0.103 ms

# Below is generated by plot.py at 2018-02-01 05:03:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 14.564 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 92.00 Mbit/s
95th percentile per-packet one-way delay: 14.564 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 3.49 Mbit/s
95th percentile per-packet one-way delay: 14.578 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 14.465 ms
Loss rate: 0.38%
```

Run 2: Report of Vivace-loss — Data Link

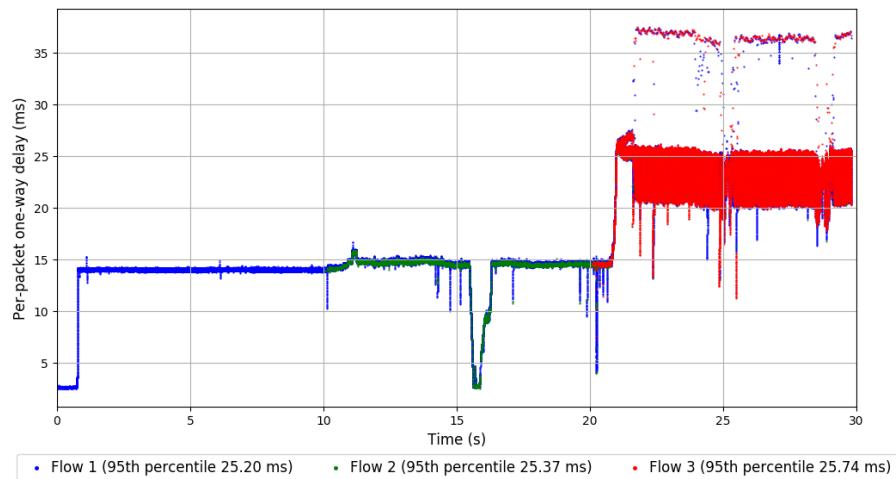
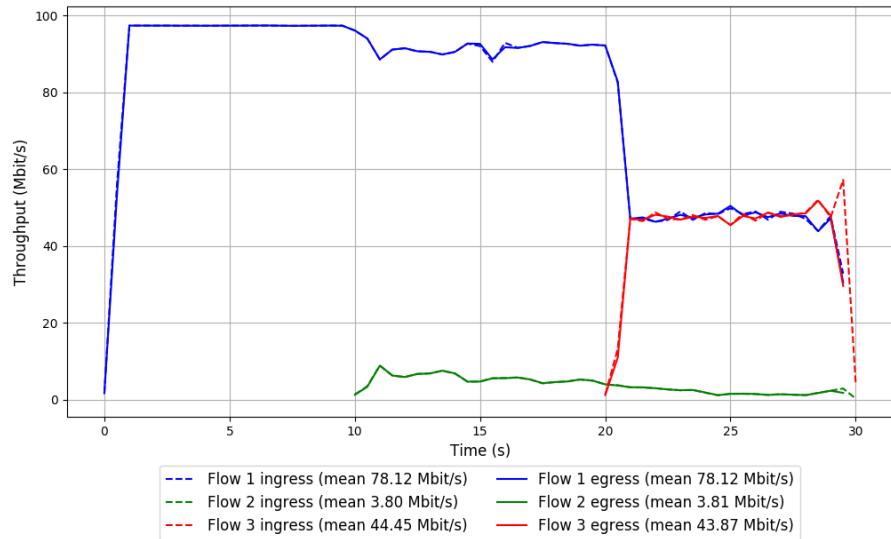


Run 3: Statistics of Vivace-loss

```
Start at: 2018-01-31 22:29:00
End at: 2018-01-31 22:29:30
Local clock offset: -0.065 ms
Remote clock offset: 0.044 ms

# Below is generated by plot.py at 2018-02-01 05:03:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 25.432 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 25.195 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 25.367 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 25.744 ms
Loss rate: 3.84%
```

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-01-31 22:50:28  
End at: 2018-01-31 22:50:58  
Local clock offset: 0.005 ms  
Remote clock offset: -19.196 ms

Run 4: Report of Vivace-loss — Data Link

Figure is missing

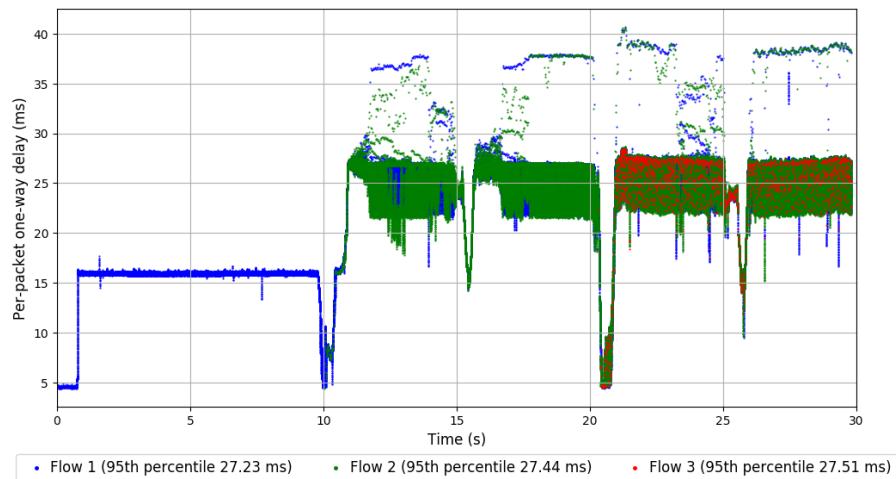
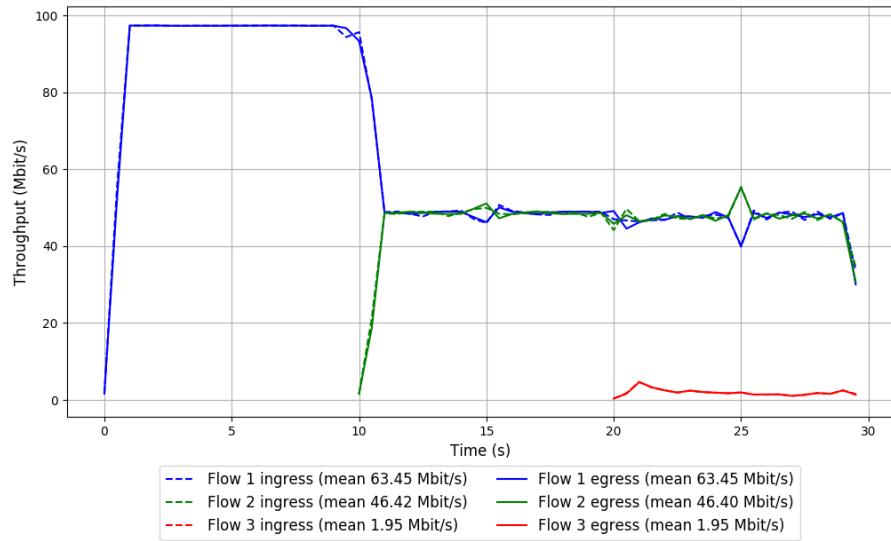
Figure is missing

Run 5: Statistics of Vivace-loss

```
Start at: 2018-01-31 23:12:25
End at: 2018-01-31 23:12:55
Local clock offset: -0.019 ms
Remote clock offset: -1.575 ms

# Below is generated by plot.py at 2018-02-01 05:03:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 27.328 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 27.231 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 27.441 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 27.511 ms
Loss rate: 0.78%
```

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-01-31 23:34:15

End at: 2018-01-31 23:34:45

Local clock offset: -0.078 ms

Remote clock offset: 0.416 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

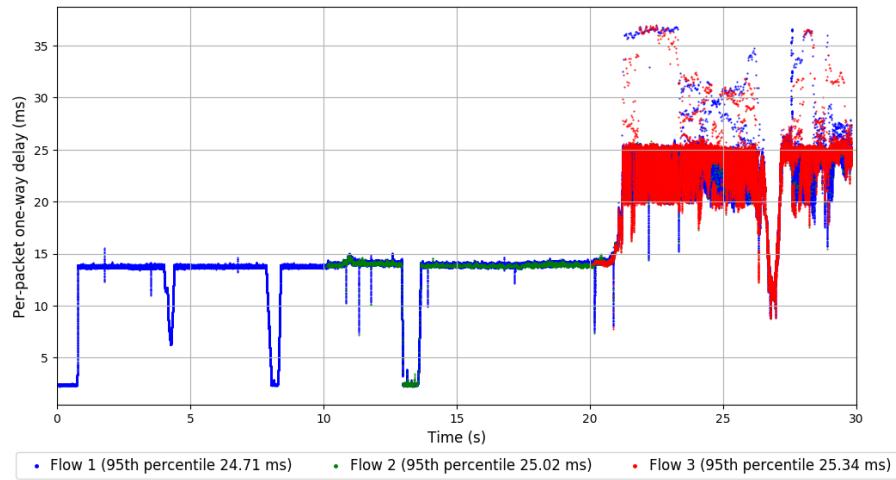
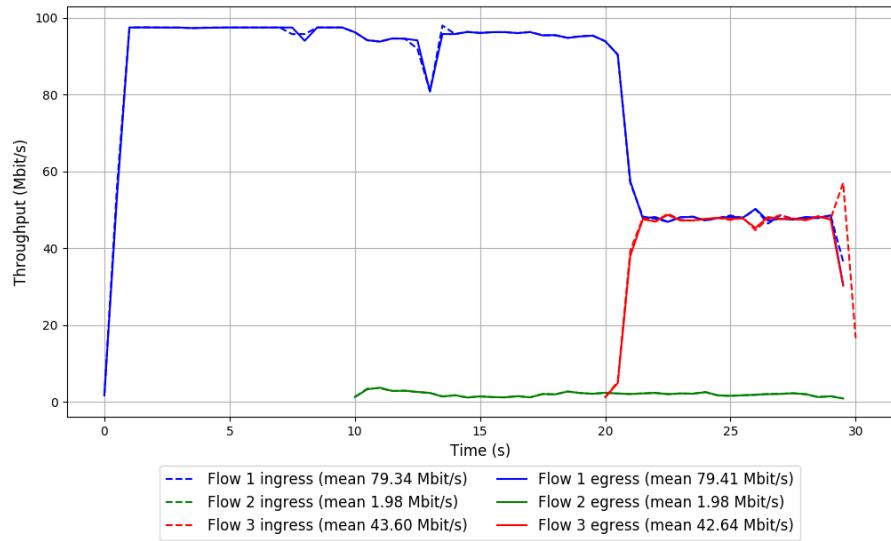
Figure is missing

Run 7: Statistics of Vivace-loss

```
Start at: 2018-01-31 23:55:51
End at: 2018-01-31 23:56:21
Local clock offset: 0.017 ms
Remote clock offset: 0.598 ms

# Below is generated by plot.py at 2018-02-01 05:03:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 25.091 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 24.708 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 25.023 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 25.344 ms
Loss rate: 5.22%
```

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-01 00:18:02

End at: 2018-02-01 00:18:32

Local clock offset: 0.127 ms

Remote clock offset: -12.254 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

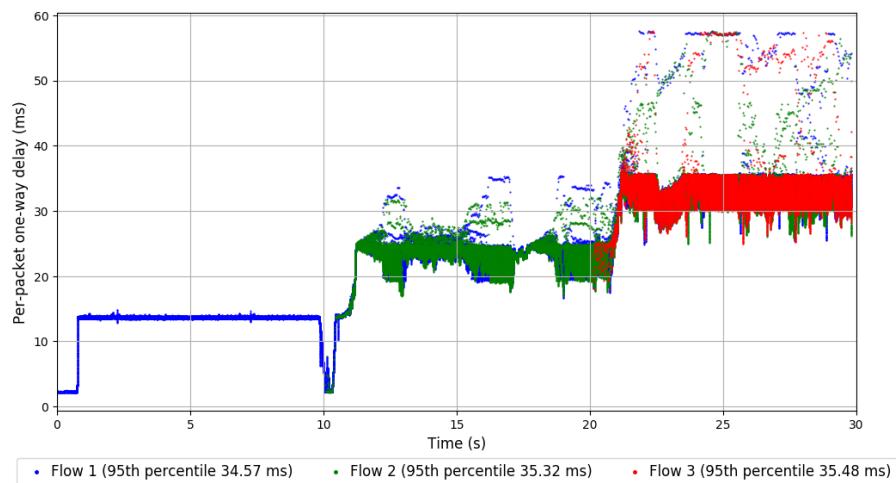
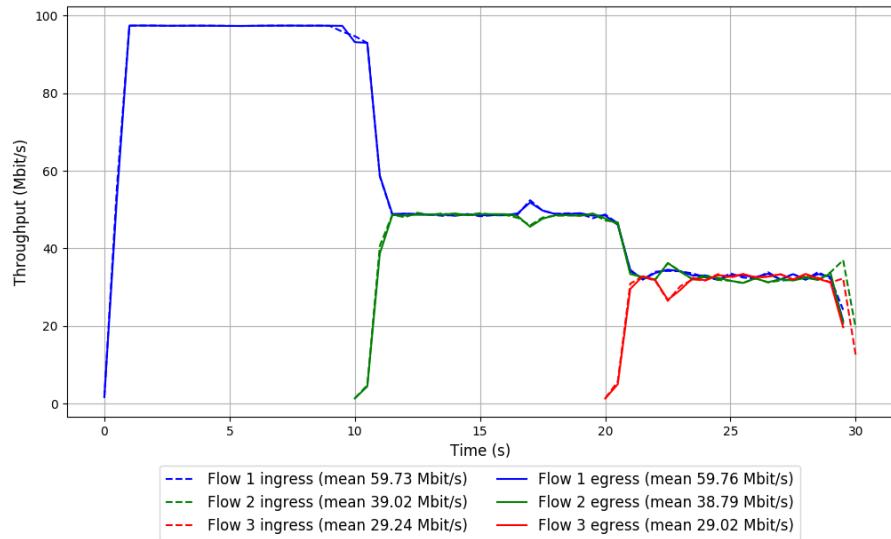
Figure is missing

Run 9: Statistics of Vivace-loss

```
Start at: 2018-02-01 00:39:57
End at: 2018-02-01 00:40:27
Local clock offset: 0.269 ms
Remote clock offset: 1.107 ms

# Below is generated by plot.py at 2018-02-01 05:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 35.197 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 59.76 Mbit/s
95th percentile per-packet one-way delay: 34.573 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 35.318 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 35.475 ms
Loss rate: 4.60%
```

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



Run 10: Statistics of Vivace-loss

Start at: 2018-02-01 01:01:59

End at: 2018-02-01 01:02:29

Local clock offset: 0.45 ms

Remote clock offset: 1.306 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

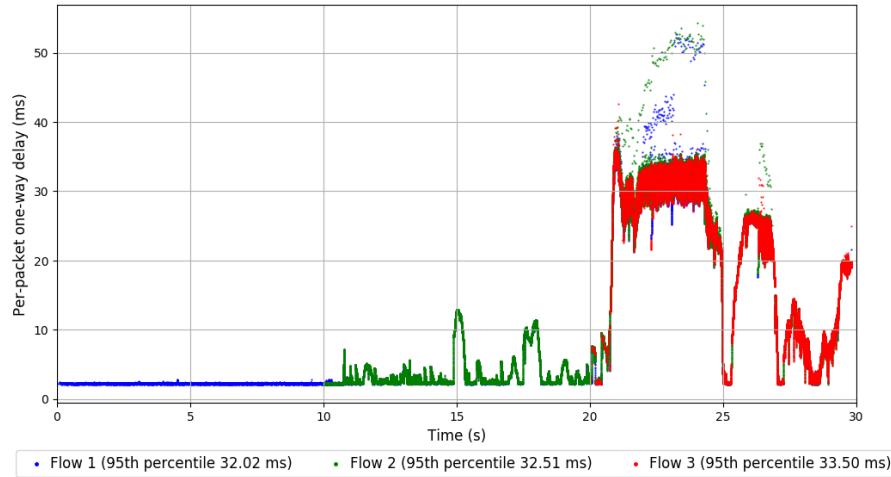
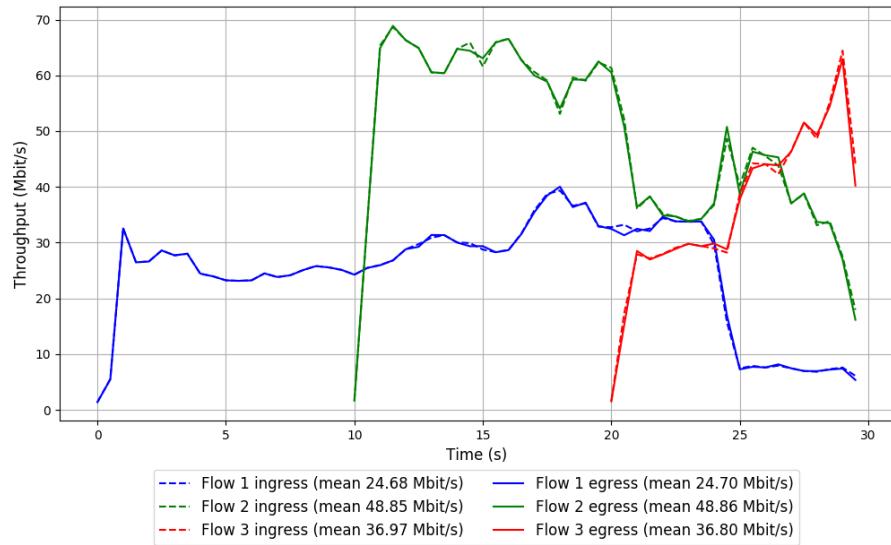
Figure is missing

Run 1: Statistics of Vivace-LTE

```
Start at: 2018-01-31 21:40:40
End at: 2018-01-31 21:41:10
Local clock offset: -0.101 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-02-01 05:03:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 32.511 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 33.500 ms
Loss rate: 0.86%
```

Run 1: Report of Vivace-LTE — Data Link

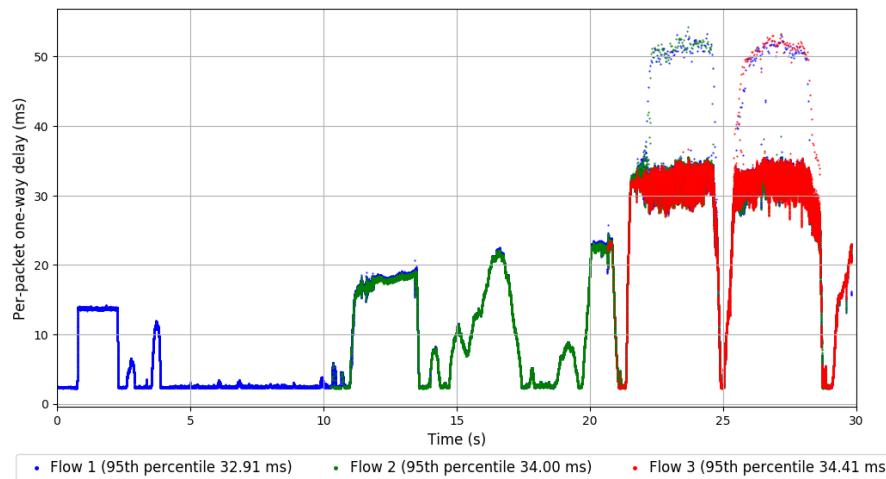
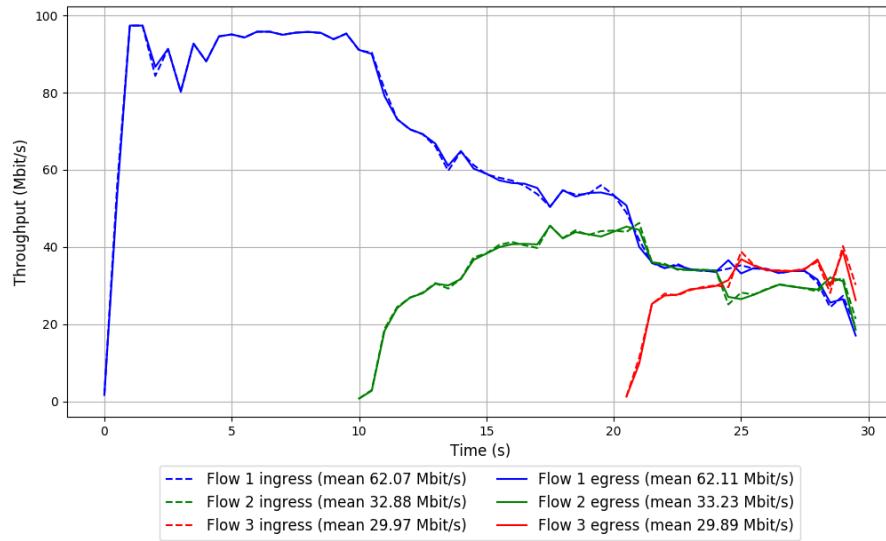


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-01-31 22:02:52
End at: 2018-01-31 22:03:22
Local clock offset: -0.038 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-02-01 05:03:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 33.725 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 32.915 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 33.999 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 34.408 ms
Loss rate: 0.97%
```

Run 2: Report of Vivace-LTE — Data Link

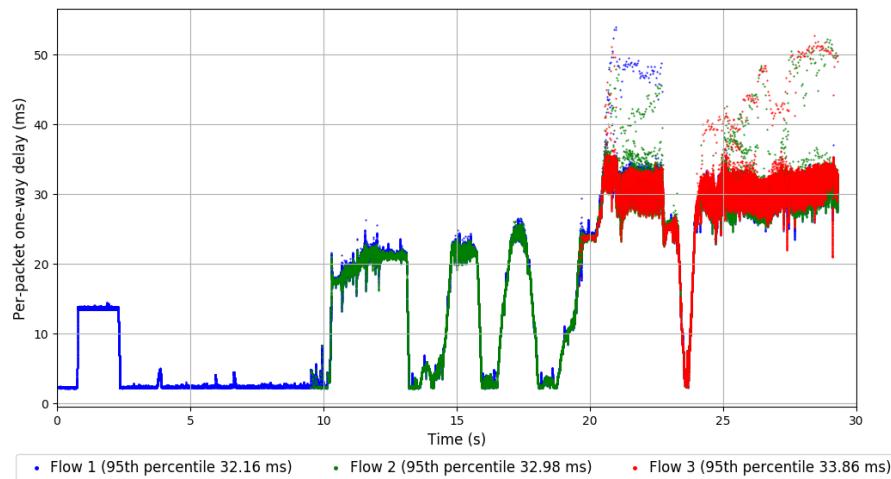
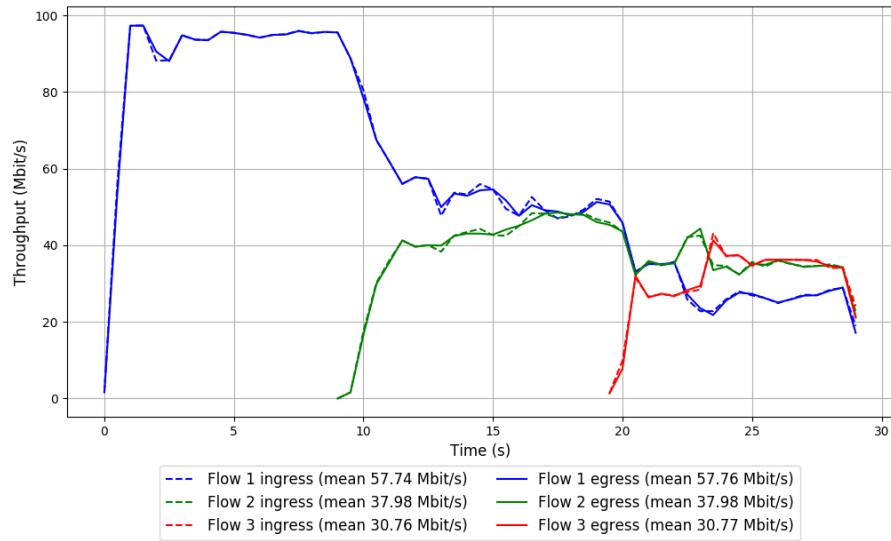


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-01-31 22:24:19
End at: 2018-01-31 22:24:49
Local clock offset: -0.08 ms
Remote clock offset: 0.259 ms

# Below is generated by plot.py at 2018-02-01 05:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 32.913 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 32.163 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 32.978 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 33.863 ms
Loss rate: 0.85%
```

Run 3: Report of Vivace-LTE — Data Link

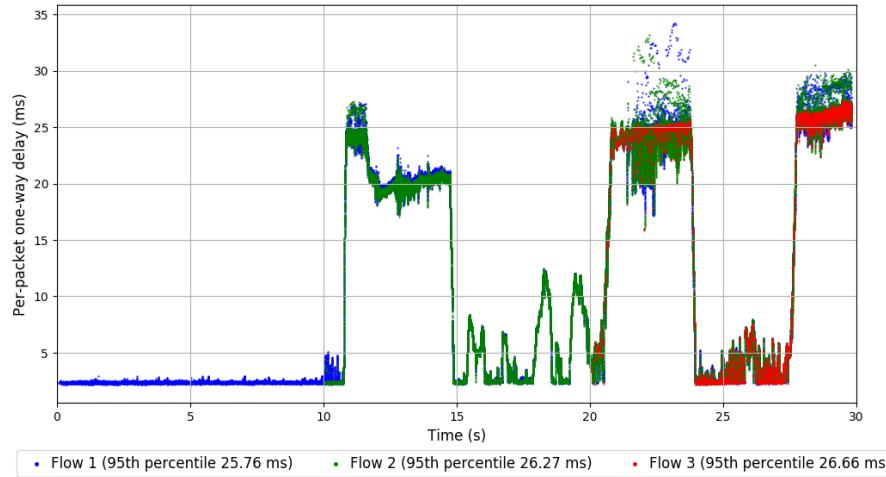
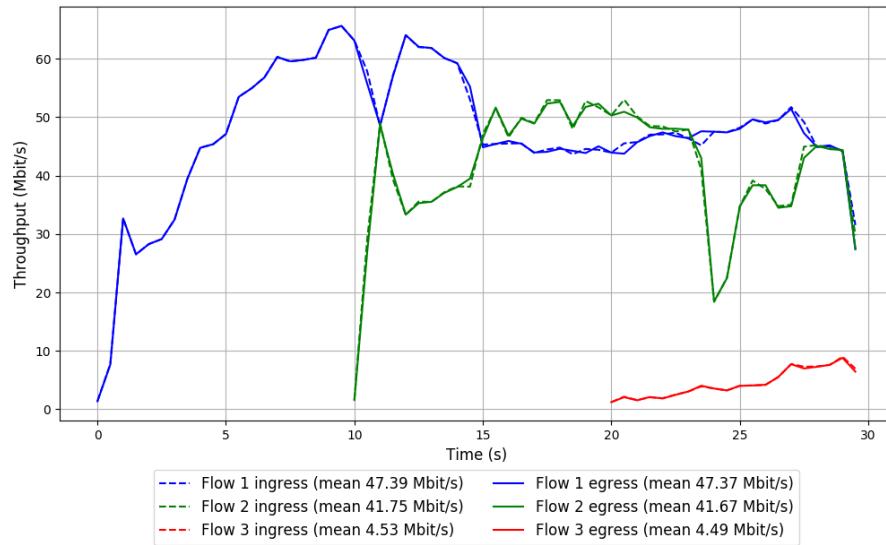


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-01-31 22:45:36
End at: 2018-01-31 22:46:06
Local clock offset: -0.073 ms
Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2018-02-01 05:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 26.105 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 25.757 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 26.272 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 26.659 ms
Loss rate: 1.22%
```

Run 4: Report of Vivace-LTE — Data Link

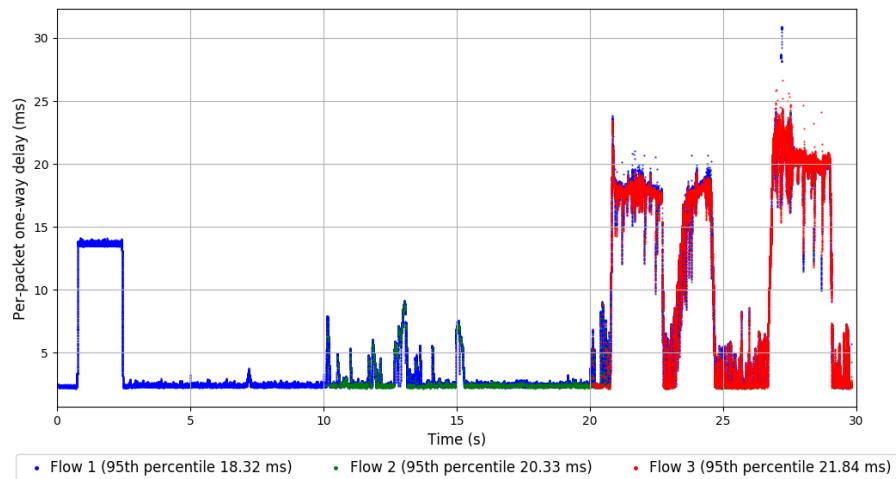
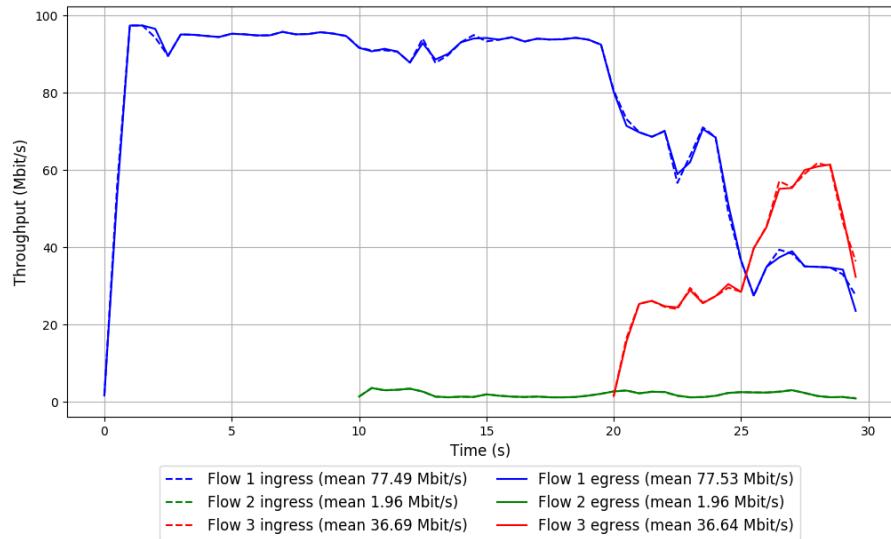


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-01-31 23:07:32
End at: 2018-01-31 23:08:02
Local clock offset: -0.03 ms
Remote clock offset: 0.649 ms

# Below is generated by plot.py at 2018-02-01 05:04:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 20.005 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 18.319 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 20.327 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 21.840 ms
Loss rate: 0.60%
```

Run 5: Report of Vivace-LTE — Data Link

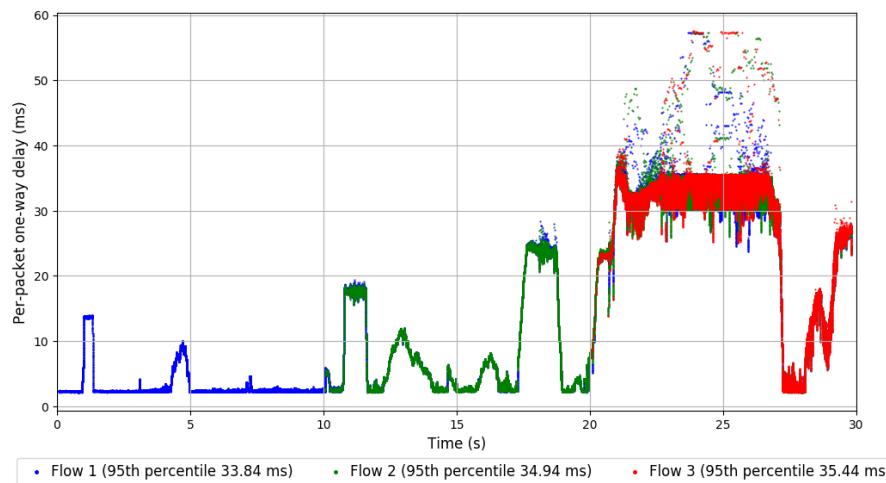
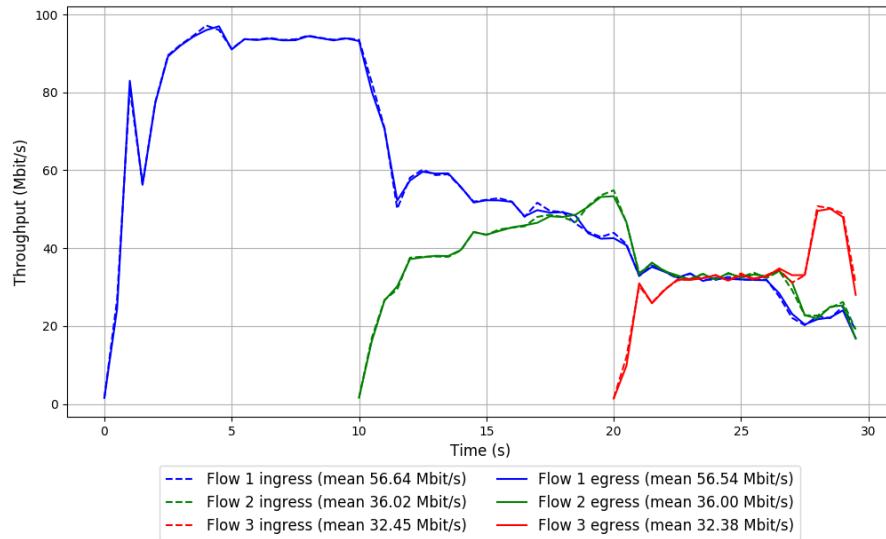


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-01-31 23:29:26
End at: 2018-01-31 23:29:56
Local clock offset: -0.083 ms
Remote clock offset: 0.528 ms

# Below is generated by plot.py at 2018-02-01 05:04:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 34.932 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 33.843 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 34.940 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 35.438 ms
Loss rate: 0.82%
```

Run 6: Report of Vivace-LTE — Data Link

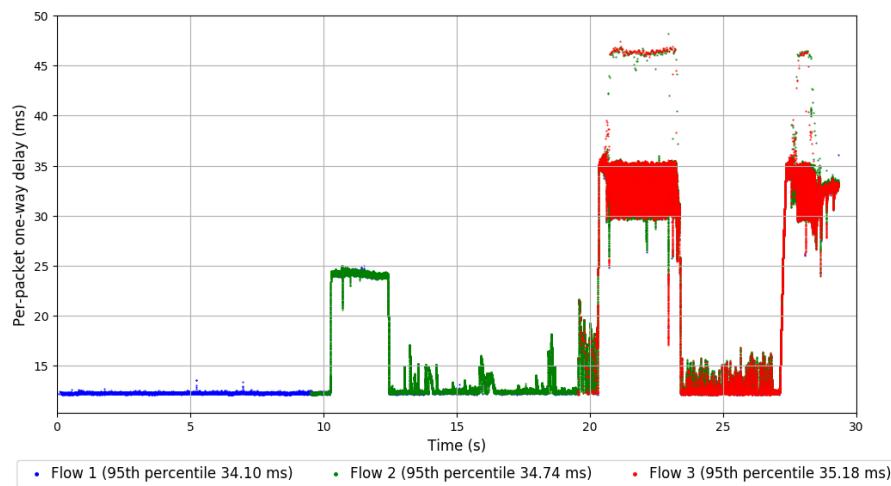
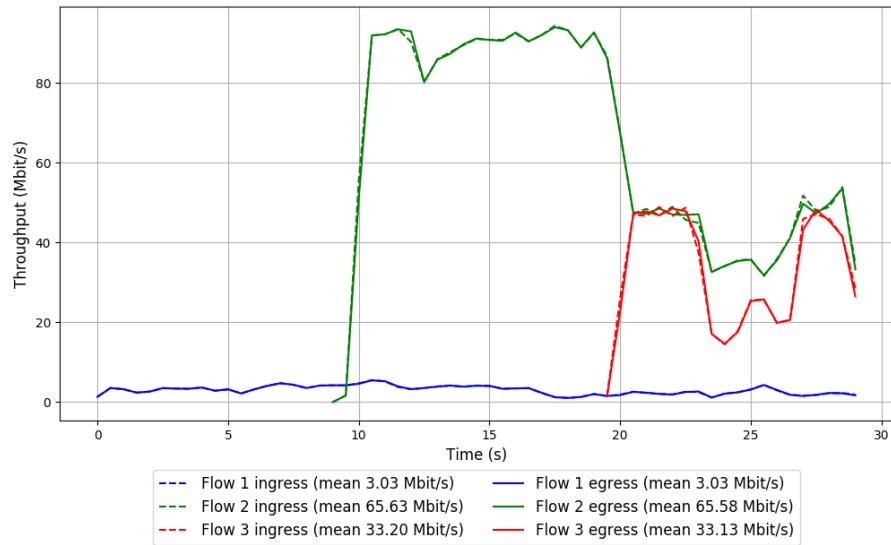


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-01-31 23:51:08
End at: 2018-01-31 23:51:38
Local clock offset: -0.006 ms
Remote clock offset: -9.325 ms

# Below is generated by plot.py at 2018-02-01 05:04:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 34.972 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 34.099 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 34.738 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 35.181 ms
Loss rate: 0.72%
```

Run 7: Report of Vivace-LTE — Data Link

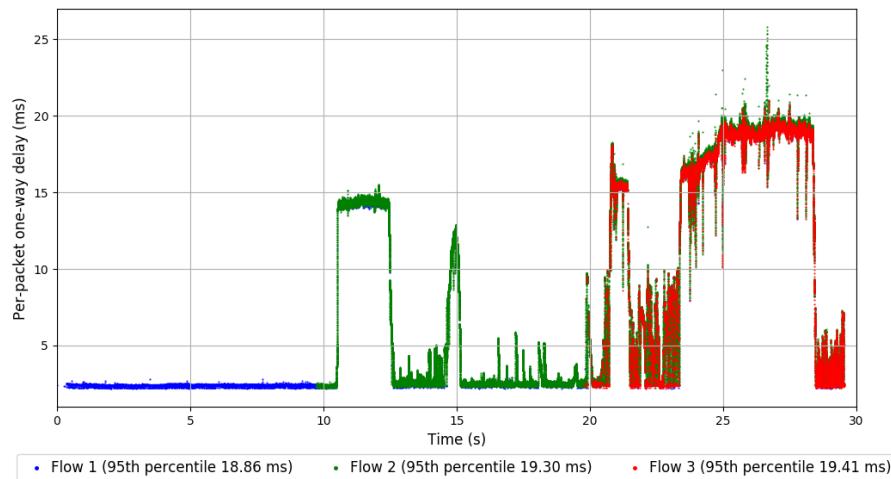
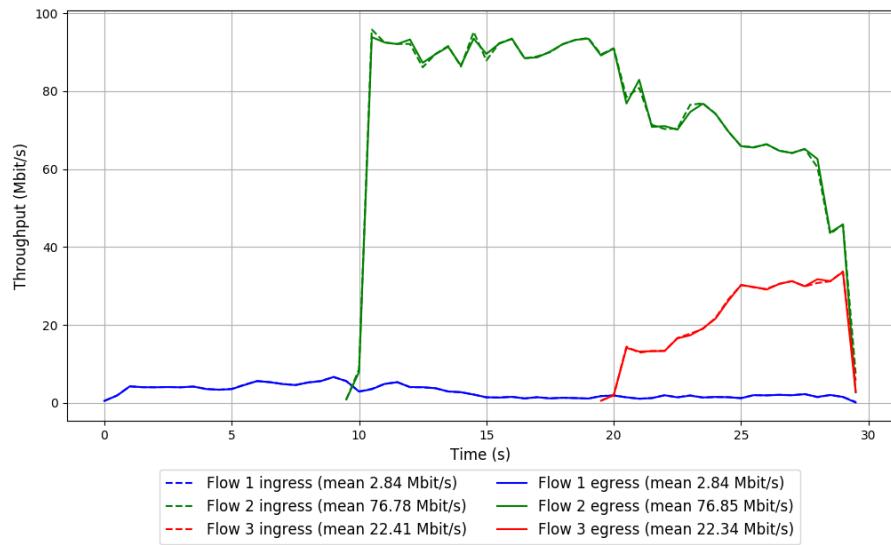


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-02-01 00:13:15
End at: 2018-02-01 00:13:45
Local clock offset: 0.155 ms
Remote clock offset: 0.817 ms

# Below is generated by plot.py at 2018-02-01 05:04:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.77 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 76.85 Mbit/s
95th percentile per-packet one-way delay: 19.295 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 19.410 ms
Loss rate: 0.73%
```

Run 8: Report of Vivace-LTE — Data Link

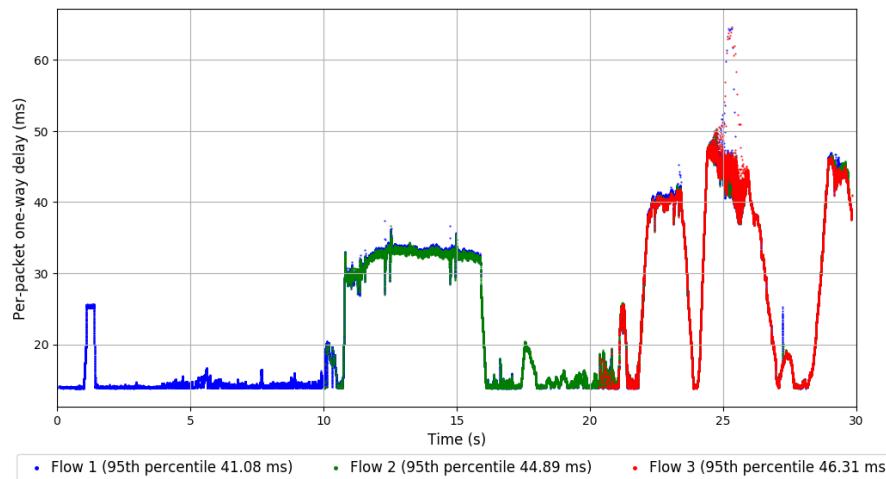
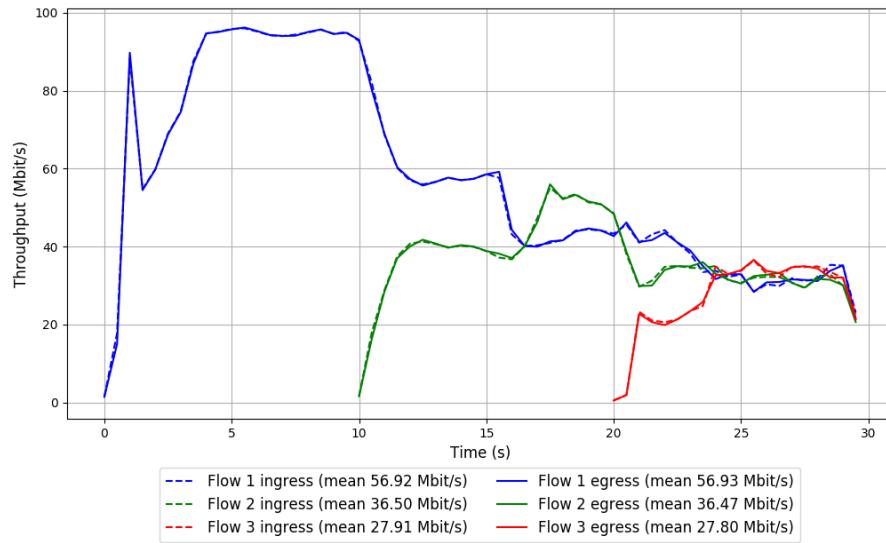


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-02-01 00:35:11
End at: 2018-02-01 00:35:41
Local clock offset: 0.335 ms
Remote clock offset: -10.508 ms

# Below is generated by plot.py at 2018-02-01 05:04:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.01 Mbit/s
95th percentile per-packet one-way delay: 44.174 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 41.077 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 44.892 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 46.311 ms
Loss rate: 0.82%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-02-01 00:56:59
End at: 2018-02-01 00:57:29
Local clock offset: 0.418 ms
Remote clock offset: -1.829 ms

# Below is generated by plot.py at 2018-02-01 05:04:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 37.048 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 35.587 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 37.363 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 38.250 ms
Loss rate: 0.99%
```

Run 10: Report of Vivace-LTE — Data Link

