



# Financial Information Forum Market Data Capacity Charts March 2008 Data - Excerpt

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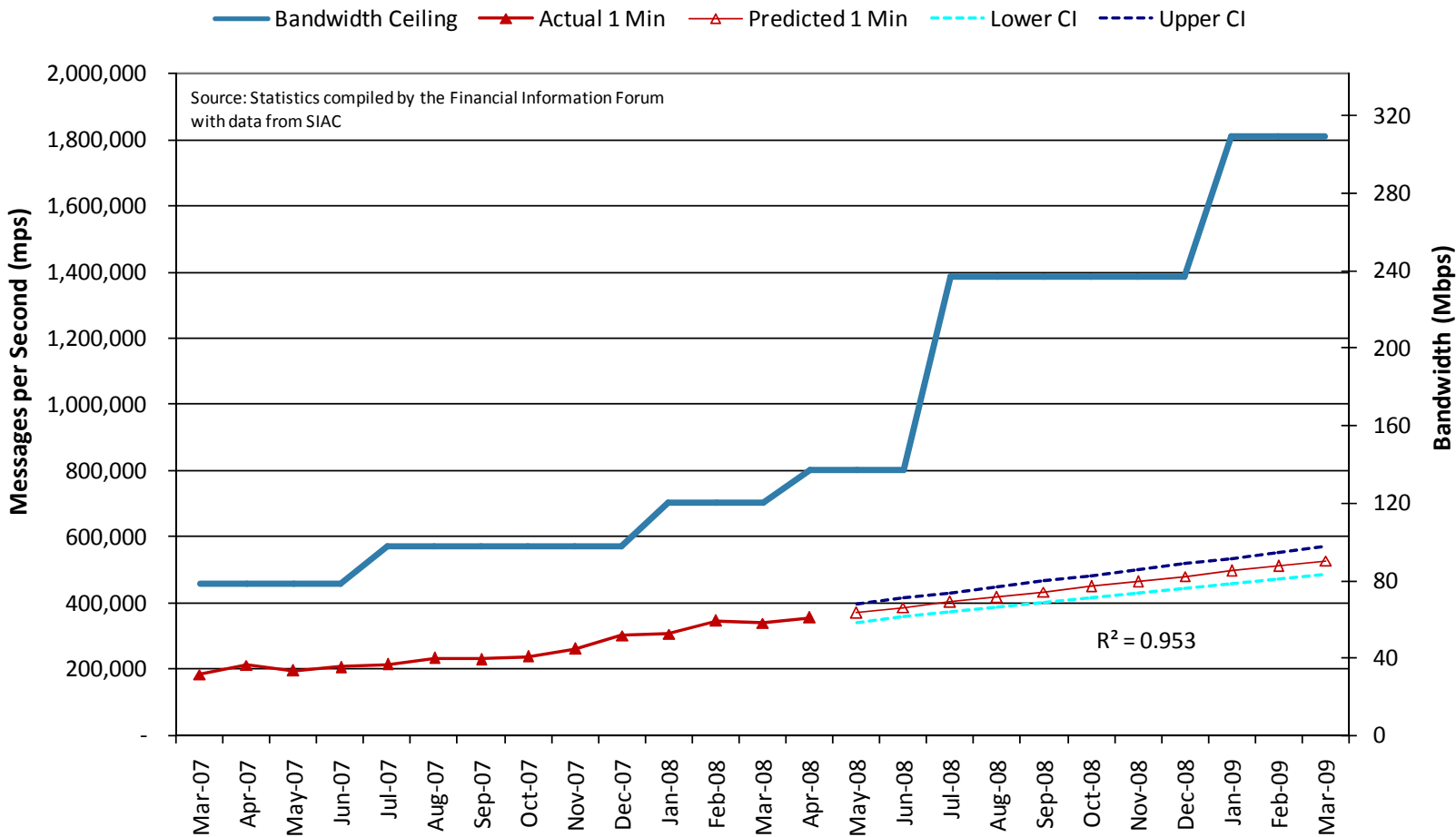
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# March 2008 Capacity Highlights

Feed	Statistic	Monthly % Change		Six Month Forecast (Sept-2008)
OPRA	1 Second Peak	▲	1% to 432,328 mps (Over Record Peak from January 2008)	25% to 542,357 mps
	1 Minute Peak	▲	3% to 355,045 mps (Over Record Peak from January 2008)	26% to 449,045 mps
CQS	1 Second Peak	▲	9% to 46,048 mps (New Record Peak)	28% to 58,950 mps
	1 Minute Peak	▲	12% to 36,294 mps (Over Record Peak from January 2008)	27% to 46,199 mps
CTS	1 Second Peak	▲	67% to 8,900 mps (Over Record Peak from January 2008)	
	1 Minute Peak	▲	7% to 3,404 mps	
UQDF	5 Second Peak	▲	3% to 15,171 mps	26% to 19,164 mps
	1 Minute Peak	▲	11% to 10,552 mps (Over Record Peak from January 2008)	15% to 12,133 mps
UTDF	5 Second Peak	▲	14% to 3,274 mps	
	1 Minute Peak	▼	5% to 1,621 mps	
OMDF	Daily Peak Messages	▼	93% to 239,255 messages	
TotalView-ITCH 2.0	5 Second Peak	▲	7% to 64,664 mps	
	1 Minute Peak	▲	24% to 59,528 mps	
TotalView-ITCH 3.0	5 Second Peak	▲	7% to 65,700 mps	23% to 80,605 mps
	1 Minute Peak	▲	3% to 60,529 mps (Over Record Peak from January 2008)	16% to 70,263 mps
ArcaBook	1 Second Peak (Core)	▼	18% to 128,177 mps	37% to 175,767 mps
	1 Minute Peak	▼	8% to 48,820 mps	19% to 57,994 mps
CME	1 Second Peak	▼	64% to 23,544 mps	
	Daily Peak Messages	▲	24% to 207,842,843 messages (Over Record Peak from January 2008)	
CEF Classic - Eurex	1 Second Peak	▲	11% to 19,088 mps (Over Record Peak from January 2008)	
	Daily Peak Messages	▲	4% to 78,274,045 messages	
CEF Classic - CEF	1 Second Peak	▲	1% to 39,445 mps	
	1 Minute Peak	▼	16% to 16,069 mps	
CEF Ultra	1 Second Peak	▼	3% to 39,496 mps	

# FIF Projection Based on OPRA 1 Minute Peak Rates

## FAST feed



Actual 1 Min Peak	
Apr-07	194,994
May-07	206,346
Jun-07	214,600
Jul-07	232,418
Aug-07	229,804
Sep-07	239,150
Oct-07	261,116
Nov-07	301,780
Dec-07	306,038
Jan-08	345,252
Feb-08	339,922
Mar-08	<b>355,045</b>
Predicted 1 Min Peak	
Apr-08	370,546
May-08	385,938
Jun-08	401,843
Jul-08	417,235
Aug-08	433,140
Sep-08	449,045
Oct-08	464,438
Nov-08	480,343
Dec-08	495,735
Jan-09	511,640
Feb-09	527,545
Mar-09	541,911

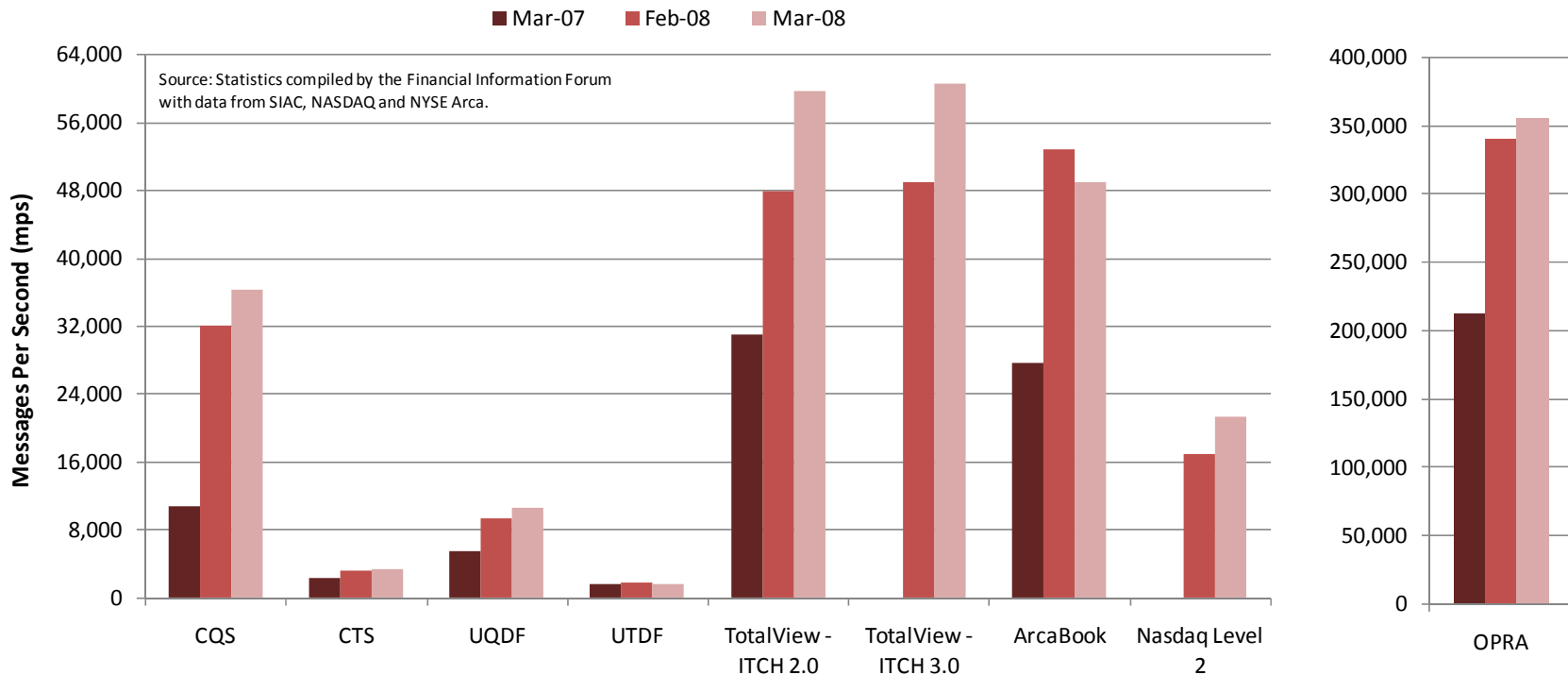
- While a good fit to historical data, OPRA ceilings indicate that the impact of automated equity trading and other market events is driving bandwidth requirements.
- Current OPRA Ceiling: 801,000 mps; Jul 2008: 1,387,000 mps; Jan 2009: 1,807,000 mps
- The ASCII network for Equity & Index Options will now terminate at the end of day April 21, 2008. On April 22, 2008 the Equity & Index Options service will only be available on the FAST network.

# Comparative 1 Minute Peak Rates (Annual and Monthly Increase)

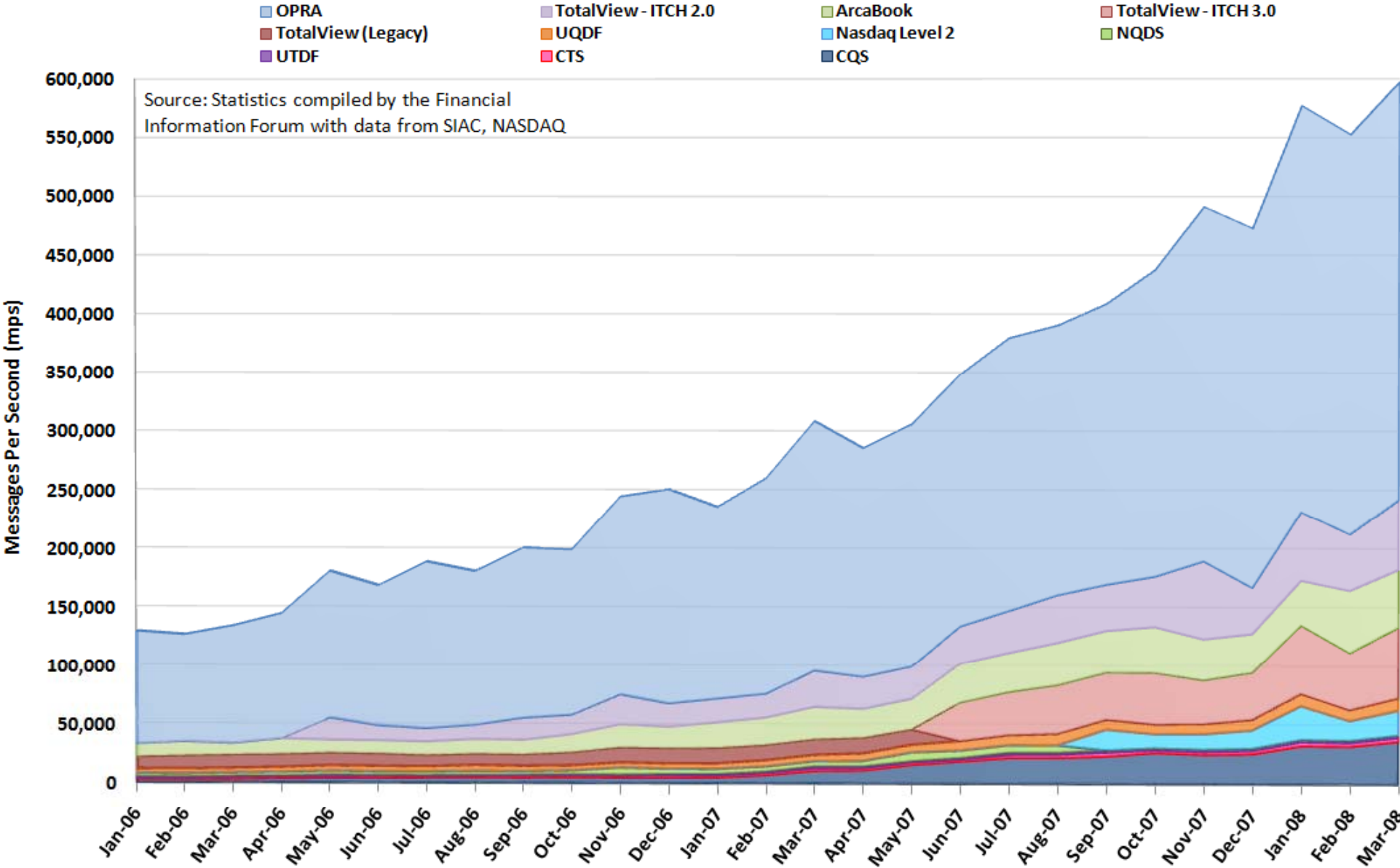
Feed	Mar-07	Feb-08	Mar-08	Monthly % Change	Annual % Change
CQS	10,661	32,016	36,294	13.4%	240%
CTS	2,367	3,176	3,404	7.2%	44%
UQDF	5,380	9,324	10,552	13.2%	96%
UTDF	1,504	1,713	1,621	-5.4%	8%
TotalView - ITCH 2.0	30,956	47,845	59,528	24.4%	92%
TotalView - ITCH 3.0		48,843	60,529	23.9%	N/A
ArcaBook	27,557	52,800	48,820	-7.5%	77%
Nasdaq Level 2		16,814	21,292	26.6%	N/A
OPRA	212,659	339,922	355,045	4.4%	67%
<b>Totals</b>	<b>291,084</b>	<b>552,453</b>	<b>597,085</b>	<b>8.1%</b>	<b>105.1%</b>

**Annual Traffic Increase** 2.05  
**Annual Traffic Percent Change** 105.1%  
**Monthly Traffic Percent Change** 8.1%

Note: Level 2 replaced NQDS in Sept. 2007



# Consolidated Options & Equities 1 Minute Peak Rates

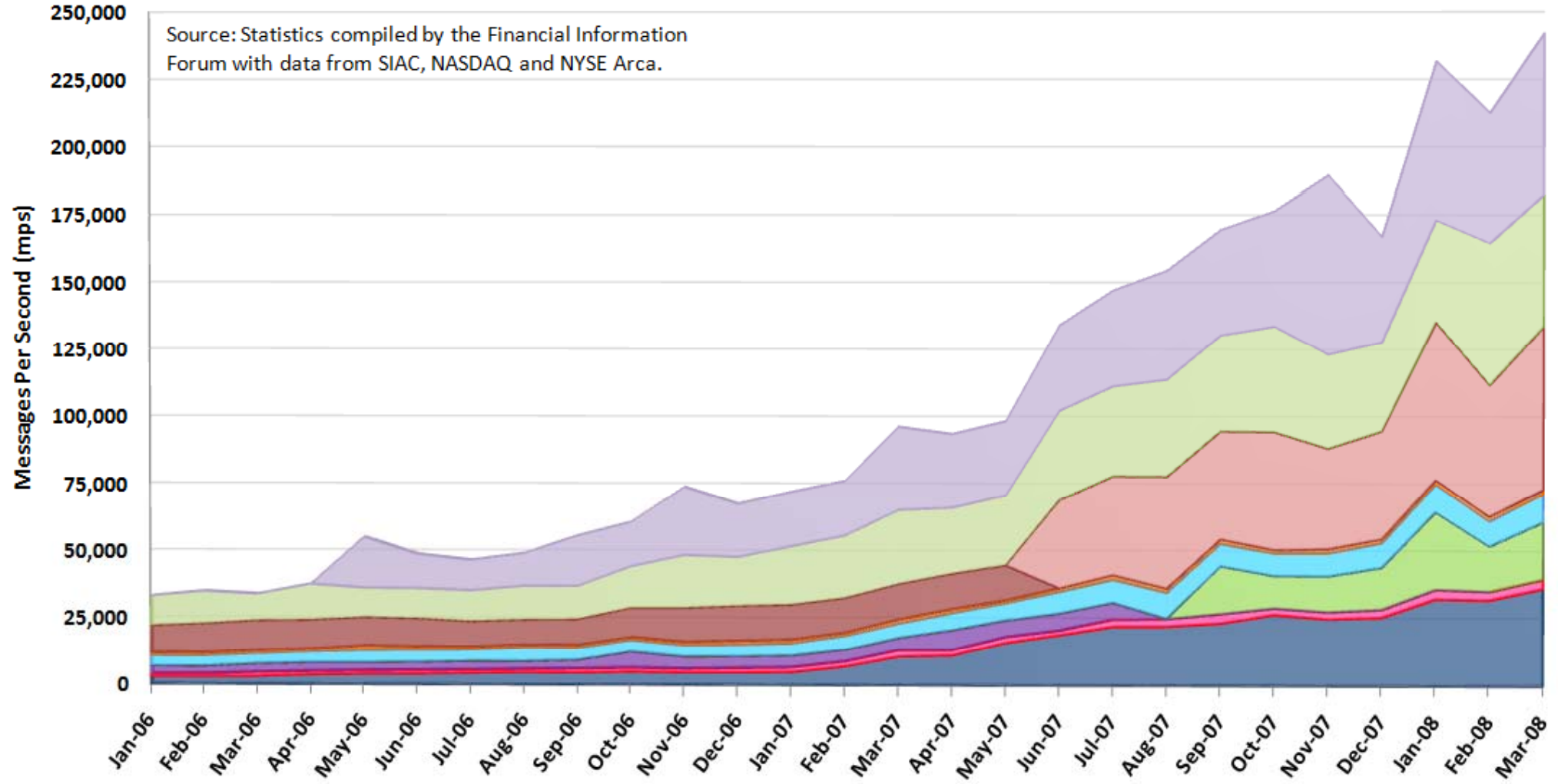


# Consolidated Equities 1 Minute Peak Rates



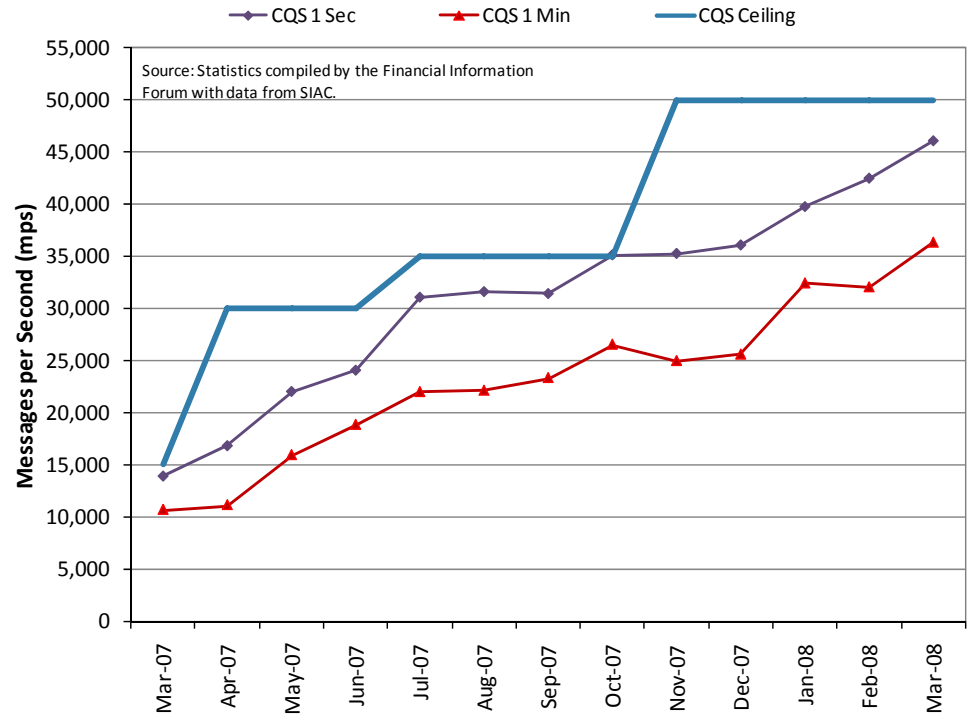
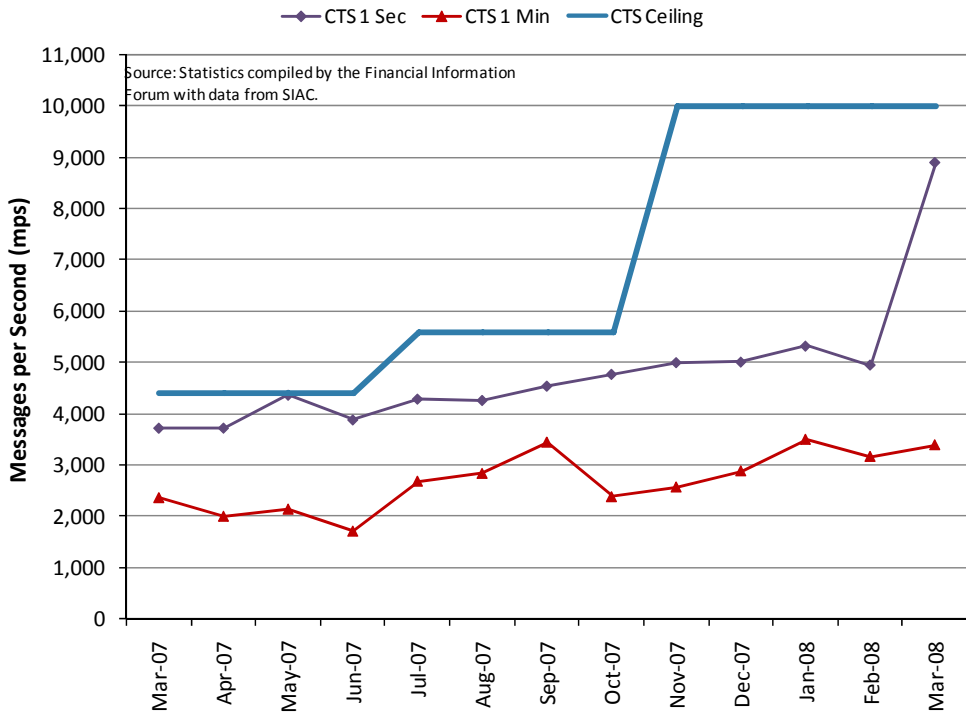
- TotalView - ITCH 2.0
- ArcaBook
- TotalView - ITCH 3.0
- TotalView (Legacy)
- UTDF
- UQDF
- Nasdaq Level 2
- NQDS
- CTS
- CQS

Source: Statistics compiled by the Financial Information Forum with data from SIAC, NASDAQ and NYSE Arca.



# CTA Feeds

## 1 Second & 1 Minute Peak Rates



Current Ceilings:

- CTS: 10,000 mps
- CQS: 50,000 mps