

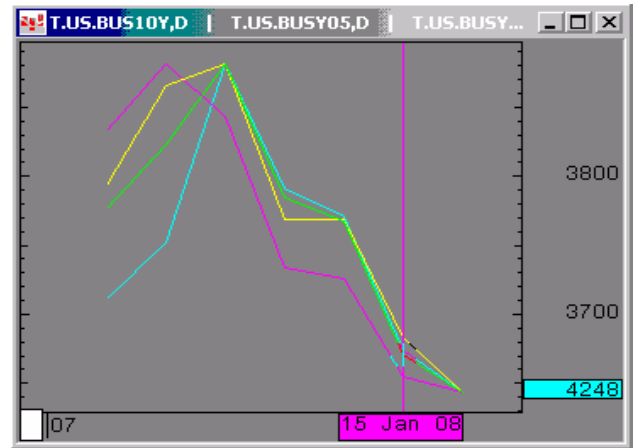


# The Morning Email: Treasuries

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### Daily Yield Curve



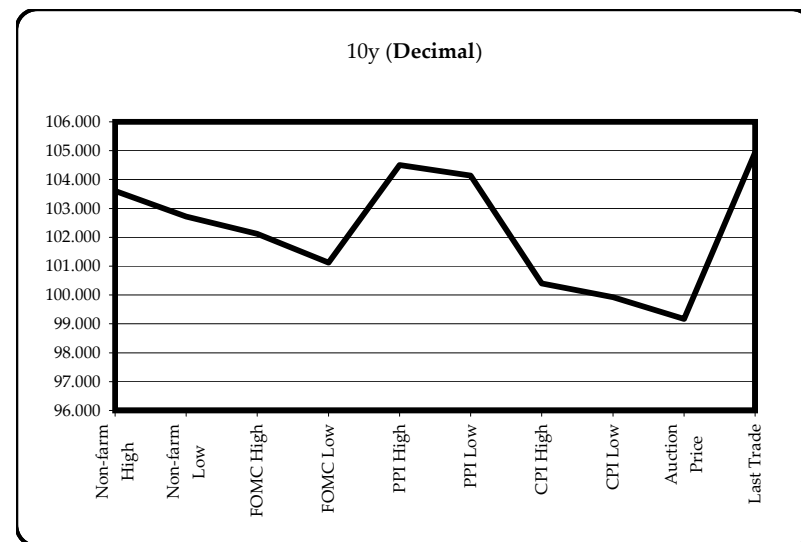
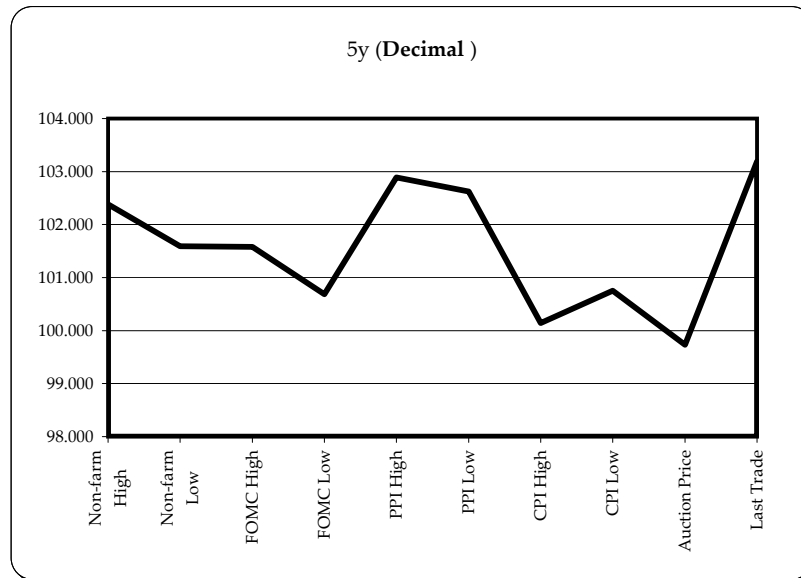
Source: CQG, Inc. © 2008 Wed Jan 16 2008 05:18:52



Want something added? Let me know: [jgoulding@ghco.com](mailto:jgoulding@ghco.com)  
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Economic Releases - 32nds					
	5y	10y	ZNH8	ZBH8	Date
Non-farm High	102.1225	103.195	115.075	118.18	1/4/2008
Non-farm Low	101.1900	102.230	114.085	117.16	1/4/2008
FOMC High	101.1850	102.040	113.200	116.16	12/11/2007
FOMC Low	100.2200	101.040	112.185	115.03	12/11/2007
PPI High	102.2850	104.160	116.030	119.17	1/15/2008
PPI Low	102.2000	104.045	115.235	119.02	1/15/2008
CPI High	100.0450	100.130	112.075	114.07	12/14/2007
CPI Low	99.5600	99.295	111.240	113.19	12/14/2007
Auction Price	99.2347	99.056			
Last Trade	103.0620	104.300	116.150	120.01	1/16/2008 5:36

Auctions - 32nds				
	2 y	5y	10y	30y
Auction Price	99.298	99.235	99.056	105.103
Auction Yield Stop	3.159	4.435	4.353	4.666
Actual Auction Date	12/26/2007	12/27/2007	11/7/2007	11/8/2007



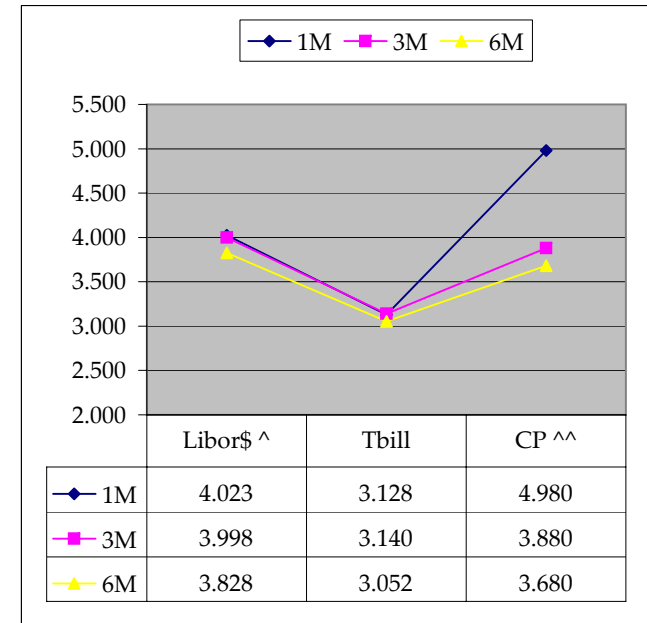
Notes: Cash and futures are adjusted for roll.  
 Release times are from release to 2pm cdt  
 {Dec07 to Mch08 Futures roll: ZF = (-12); ZN = (-25); ZB = (+1) [tics]}  
 r = reopen

	Last	Net	32 nds			Volume	SYM NAME
			High	Low	Open		
TUAH8	106.077	0.0	106.112	106.075	106.080	40,641	2y Fut
FVAH8	112.200	0.1	112.255	112.155	112.165	95,960	5y Fut
TYAH8	116.150	0.1	116.225	116.090	116.120	184,108	10y Fut
USAH8	120.010	0	120.120	119.230	119.270	42,480	30y Fut
	Last	Net	High	Low	Open	Volume	SYM NAME
BUS02P	101.150	0.7	101.182	101.147	101.157	na	2y Cash
BUS05P	103.060	5.0	103.120	103.040	103.045	na	5y Cash
BUS10P	104.295	7.5	105.060	104.240	104.255	na	10y Cash
BUS30P	112.145	19	112.280	112.050	112.065	na	30y Cash
	Last	Net	High	Low	Open	Volume	SYM NAME
BUS02Y	2.467	(0.90)	2.504	2.414	2.496	na	2y Yield
BUS05Y	2.926	(3.40)	2.963	2.886	2.963	na	5y Yield
BUS10Y	3.645	(2.60)	3.68	3.614	3.68	na	10y Yield
BUS30Y	4.251	(2.30)	4.28	4.223	4.28	na	30y Yield

	Libor\$ ^	Tbill	CP ^^
1M	4.023	3.128	4.980
3M	3.998	3.140	3.880
6M	3.828	3.052	3.680

	Libor\$ ^	Repos
0/N	4.324	3.980
1week	4.299	4.050
2week	4.291	4.000

	TSY	Swap	ED Pks ^^
2y	2.469	66.25	3.013
5y	2.925	63.25	
10y	3.645	57.25	



Notes

^Quoted in US Dollars  
 ^^CP = Commercial Paper  
 ^^ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.  
 Lastly, SYM = Symbol

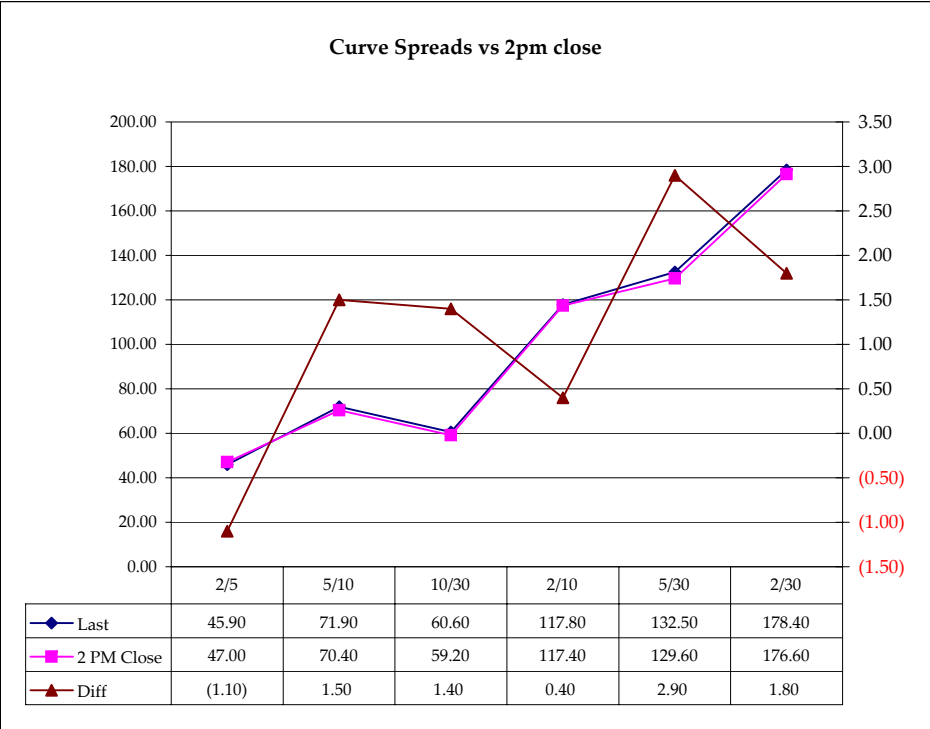
	M Duration	DV01 32	DV01 \$	DV01 Box	CF
30y	15.90	5.83	\$1,822	11.66	n/a
10y	7.98	2.70	\$844	5.40	n/a
5y	4.51	1.50	\$469	6.00	n/a
2y	1.88	0.61	\$191	2.45	n/a
ZB	10.33	4.06	\$127	4.06	0.8633
ZN	5.89	2.22	\$69	4.45	0.8747
ZF	3.94	1.43	\$45	2.86	0.8877
ZT	1.88	0.64	\$20	2.57	0.9549

Yield Curve Spreads			
	Last	2pm close	Diff
2/5	45.90	47.00	(1.10)
5/10	71.90	70.40	1.50
10/30	60.60	59.20	1.40
2/10	117.80	117.40	0.40
5/30	132.50	129.60	2.90
2/30	178.40	176.60	1.80

DV01 32, said differently, is "how many TICS are in a basis point?".

Example, If ZN moves 1~basis point, then, it's moved 2.08 tics (Today, 10/25/07, the value in the box is 2.08).

Since ZN trades in half tics, then, 4.17 boxes = 1 basis point in ZN. (Again, today, 10/25/07, the value in the box is 4.17). Of course the values will be different as you look at this. But, they won't be that much different. So, I think you can get the idea I'm trying to get across.



**Notes**

CF = Conversion Factor

MDuration = Modified Macaulay Duration

MDuration & DV01s for Futures are based on proxy issue (CTD)

DV01 Box = Dollar Value of 1 basis point move per Box

## US Financial Futures / Eurex Bond

	ZB	ZN	ZF	ZT
Bund (H)	0.980	1.800	2.800	3.100
Bobl (H)	0.540	0.996	1.536	1.692
Shatz (H)	0.223	0.405	0.625	0.688

## US Financial Futures

	ZB	ZN	ZF	ZT
ZB		1.825	2.838	3.164
ZN	0.548		1.555	1.733
ZF	0.352	0.643		1.115
ZT	0.309	0.564	0.877	

## Eurex Bonds

	Bund (H)	Bobl (H)	Shatz (H)
Bund (H)	1.0	1.9	4.6
Bobl (H)	0.5	1.0	2.5
Shatz (H)	0.2	0.4	1.0

## US Treasuries v US Financial Futures

	2y	5y	10y	30y
ZB	1.51	3.70	6.65	14.37
ZN	2.75	6.75	12.14	26.23
ZF	4.28	10.50	18.88	40.77
ZT	4.77	11.71	21.05	45.46

## US Treasuries v Eurex Bonds

	2y	5y	10y	30y
Bund (H)	1.7	3.9	7.1	14.3
Bobl (H)	3.1	7.1	12.8	25.8
Shatz (H)	7.8	15.9	28.8	58.1

## US Treasuries

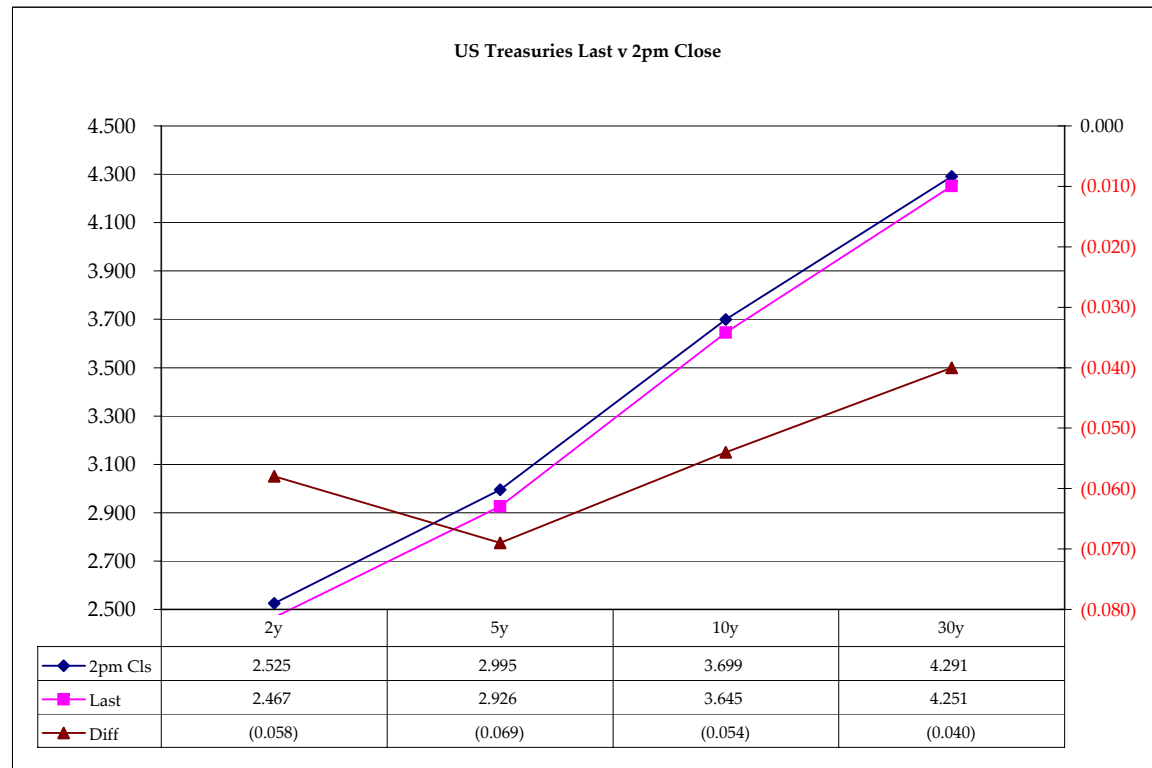
	2y	5y	10y	30y
2y		2.452	4.408	9.521
5y	0.408		1.798	3.884
10y	0.227	0.556		2.160
30y	0.105	0.257	0.463	

Note: Any ratio with the Bund, Bobl, or Shatz is from Bloomberg. So, the Bloomberg hedge ratios, in this spreadsheet, are static. Meaning, I only update them once in a while but always on rolls. My hedge ratio's are live, meaning, they're updated in real-time.

	Cpn	Mty	Close 32	Close	Last	Diff	Basis		Roll		Close 32	Last
							Close	Last				
2y	3.250	12/31/09	101.1200	2.525	2.467	(0.058)				FVAH8	112.105	112.200
5y	3.625	12/31/12	102.2825	2.995	2.926	(0.069)	101.41	102.93		TYAH8	116.030	116.150
10y	4.250	11/17/17	104.160	3.699	3.645	(0.054)	94.49	97.99		USAH8	119.17	120.010
30y	5.000	5/15/37	111.25	4.291	4.251	(0.040)	274.38	284.06				

Curve Spreads		
	Close bps	Last bps
2/5	47.0	45.9
5/10	70.4	71.9
10/30	59.2	60.6
2/10	117.4	117.8
5/30	129.6	132.5
2/30	176.6	178.4

US Treasuries Last v 2pm Close



Notes:  
 Basis = (Cash Decimal - (Futures Decimal \* CF))\*32  
 MDuration for Curve Spreads:  
 Longer duration minus shorter duration  
 32 = price is quoted in 32nds

Cash Duration Matrix

Cash Duration Matrix				
	2	5	10	30
2	100%			
5	42%	100%		
10	24%	56%	100%	
30	12%	28%	50%	135%
Cash Matrix [DV01 x Duration]				
	2	5	10	30
2	\$191			
5	\$193	\$457		
10	\$199	\$470	\$844	
30	\$216	\$510	\$915	\$1,822
Cash Matrix [DV01 over / (under) valued]				
	2	5	10	30
2				
5	(\$2)			
10	(\$8)	(\$13)		
30	(\$24)	(\$53)	(\$71)	
Cash Matrix [DV01 over / (under) as %]				
	2	5	10	30
2				
5	-1.08%			
10	-3.84%	-2.80%		
30	-11.33%	-10.36%	-7.78%	

**What is this? (1):**  
 2yr cash has X% duration of 5yr cash .

**What is this? (2):**  
 -2yr cash has DV01 of \$202  
 -Multiply the 2yr DV01 by the percent duration to come up with what the 2yrs DV01 SHOULD be compared to the 5yr.

**What is this? (3):**  
 -Now you can see the over/under value, based on the DV01, from contract to contract. In this example we are looking at the 2yr compared to the 5yr.  
  
 Or you can look at the over/under value as a percentage instead of dollar terms.

Tic for Tic Matrix				
	2y	5y	10y	30y
ZT	0.95	2.28	4.21	9.09
ZF	0.43	1.02	1.89	4.08
ZN	0.28	0.66	1.21	2.62
ZB	0.15	0.36	0.67	1.44

Box for Box Matrix				
	2y	5y	10y	30y
ZT	0.95	2.28	8.42	18.18
ZF	0.43	2.05	3.78	8.15
ZN	0.55	1.32	1.21	2.62
ZB	0.60	1.44	1.33	2.87

	2y	5y	10y	30y
2y	1.00	2.39	4.41	9.52
5y	0.42	1.00	1.84	3.98
10y	0.23	0.54	1.00	2.16
30y	0.11	0.25	0.46	1.00

	2y	5y	10y	30y
2y		2.39	2.20	4.76
5y	0.42		0.46	1.99
10y	0.45	2.17		2.16
30y	0.21	0.50	0.46	

	ZT	ZF	ZN	ZB
ZT	1.00	2.23	3.47	6.33
ZF	0.45	1.00	1.55	2.84
ZN	0.29	0.64	1.00	1.83
ZB	0.16	0.35	0.55	1.00

	2y	5y	10y	30y
ZT		2.23	6.93	25.31
ZF	0.45		1.55	5.68
ZN	0.14	0.64		3.65
ZB	0.04	0.18	0.27	