

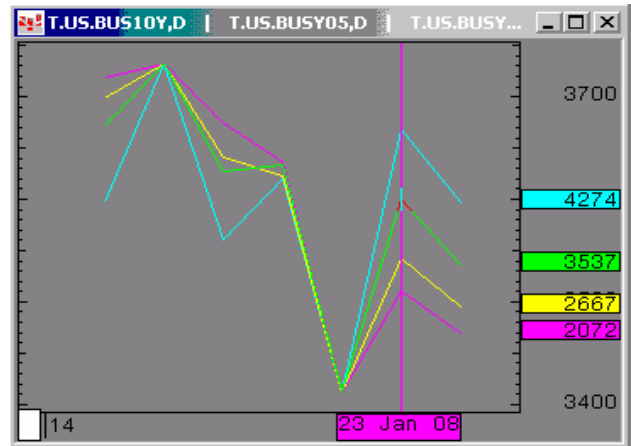


# The Morning Email: Treasuries

## Table of Contents

- Pg 1 Important Econ Releases, Highs & Lows
- Pg 2 Quotes
- Pg 3 Duration, DV01s, Curve Spreads, CF
- Pg 4 Hedge Ratio's
- Pg 5 Closes: 2pm CST vs this Morning
- Pg 6 Cash Duration Matrix
- Pg 7 Tic for Tic & Box for Box Matrix

Daily Yield Curve



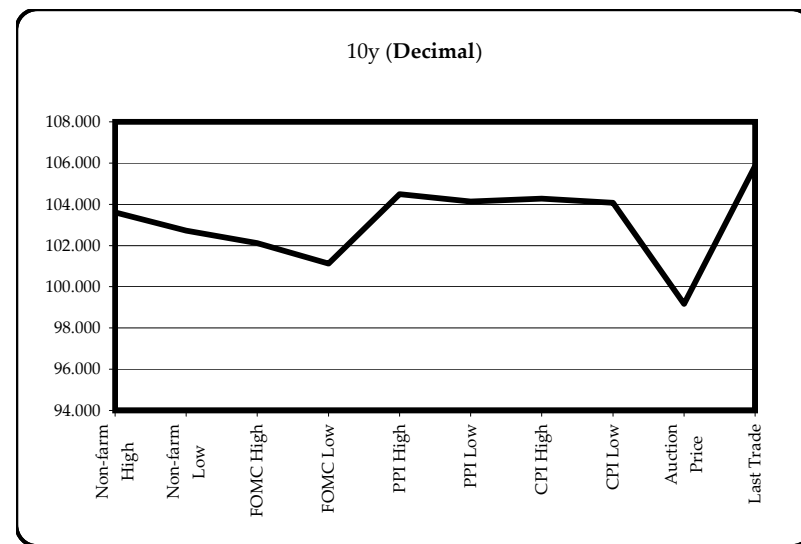
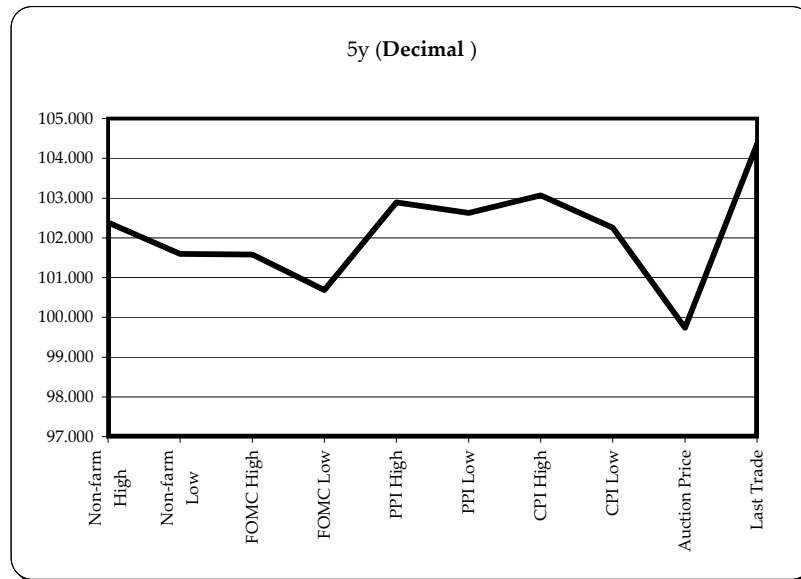
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Want something added? Let me know: [jgoulding@ghco.com](mailto:jgoulding@ghco.com)  
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Economic Releases - 32nds					
	5y	10y	ZNH8	ZBH8	Date
Non-farm High	102.1225	103.195	115.075	118.18	1/4/2008
Non-farm 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	103.0650	104.285	116.140	119.31	1/16/2008
CPI Low	102.2575	104.070	115.275	119.03	1/16/2008
Auction Price	99.2347	99.056			
Last Trade	104.1150	105.275	117.105	120.10	1/24/2008 5:37

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



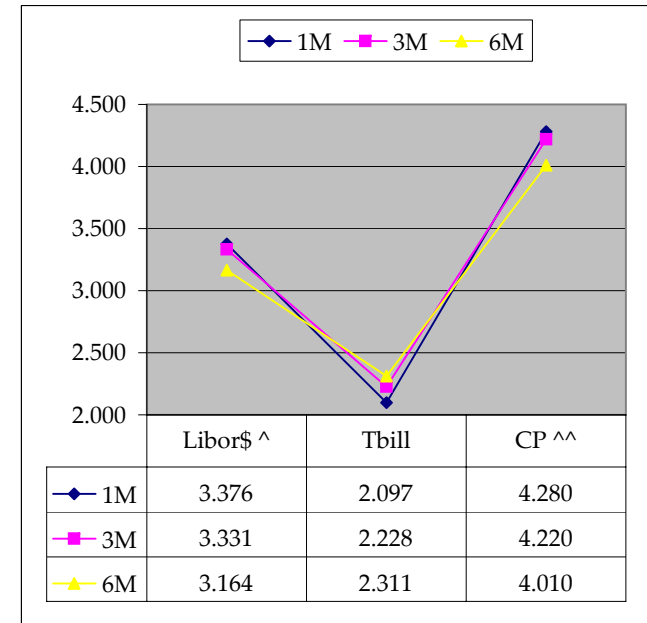
Notes: Cash and futures are adjusted for roll.  
 Release times are from release to 2pm cdt  
 {Dec07 to Mch08 Futures roll: ZF = (-12); ZN = (-25); ZB = (+1) [tics]}  
 r = reopen

	Last	Net	32 nds			Volume	SYM NAME
			High	Low	Open		
TUAH8	106.235	(0.1)	106.285	106.197	106.197	57,717	2y Fut
FVAH8	113.190	(0.2)	113.285	113.100	113.110	117,896	5y Fut
TYAH8	117.105	(0.3)	117.240	116.310	117.015	289,219	10y Fut
USAH8	120.100	(0)	120.260	119.200	119.220	75,871	30y Fut
	Last	Net	High	Low	Open	Volume	SYM NAME
BUS02P	102.060	3.2	102.100	102.035	102.035	na	2y Cash
BUS05P	#VALUE!	9.5	104.212	104.040	104.040	na	5y Cash
BUS10P	105.260	15.5	106.100	105.130	105.130	na	10y Cash
BUS30P	112.000	24	113.230	111.190	111.310	na	30y Cash
	Last	Net	High	Low	Open	Volume	SYM NAME
BUS02Y	2.080	(5.90)	2.154	2.015	2.154	na	2y Yield
BUS05Y	2.672	(6.40)	2.772	2.607	2.734	na	5y Yield
BUS10Y	3.539	(6.10)	3.616	3.48	3.587	na	10y Yield
BUS30Y	4.274	(3.60)	4.317	4.181	4.282	na	30y Yield

	Libor\$ ^	Tbill	CP ^^
1M	3.376	2.097	4.280
3M	3.331	2.228	4.220
6M	3.164	2.311	4.010

	Libor\$ ^	Repos
0/N	3.564	1.750
1week	3.489	2.300
2week	3.440	2.450

	TSY	Swap	ED Pks ^^
2y	2.083	63.75	2.763
5y	2.674	68.00	4.007
10y	3.542	61.75	



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

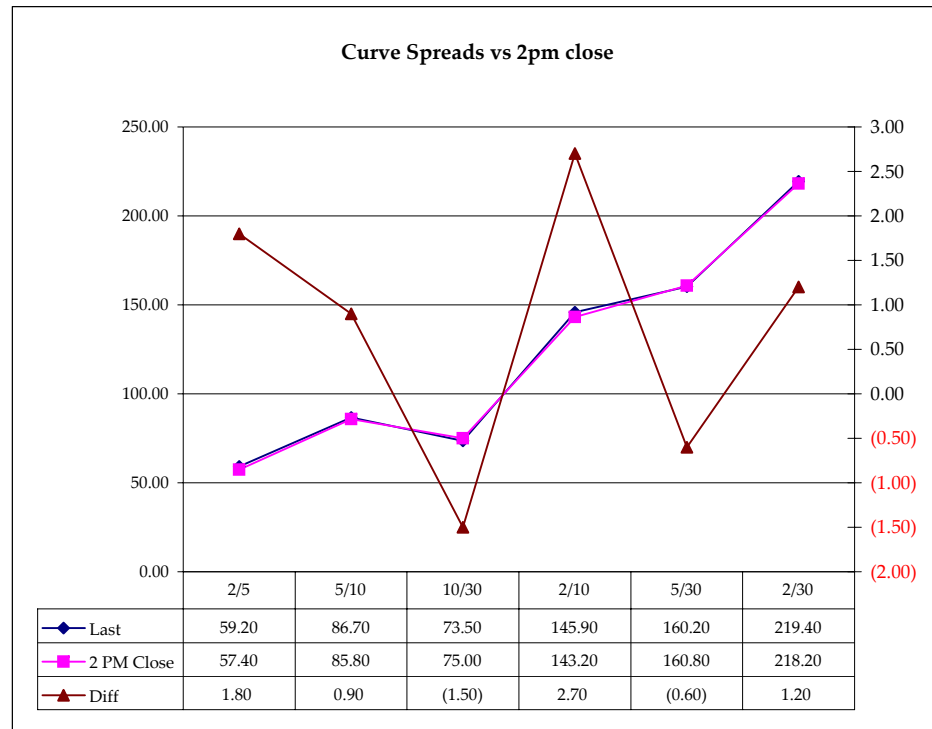
	M Duration	DV01 32	DV01 \$	DV01 Box	CF
30y	15.85	5.80	\$1,812	11.60	n/a
10y	7.97	2.72	\$850	5.44	n/a
5y	4.50	1.51	\$473	6.06	n/a
2y	1.87	0.61	\$191	2.44	n/a
ZB	10.32	4.08	\$127	4.08	0.8633
ZN	5.88	2.23	\$70	4.46	0.8747
ZF	3.92	1.44	\$45	2.88	0.8877
ZT	1.87	0.64	\$20	2.56	0.9549

Yield Curve Spreads			
	Last	2pm close	Diff
2/5	59.20	57.40	1.80
5/10	86.70	85.80	0.90
10/30	73.50	75.00	(1.50)
2/10	145.90	143.20	2.70
5/30	160.20	160.80	(0.60)
2/30	219.40	218.20	1.20

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		1.827	2.832	3.186
ZN	0.547		1.550	1.744
ZF	0.353	0.645		1.125
ZT	0.307	0.560	0.868	

## 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	1.50	3.71	6.67	14.22
ZN	2.74	6.78	12.19	25.97
ZF	4.24	10.52	18.89	40.26
ZT	4.77	11.83	21.25	45.30

## 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

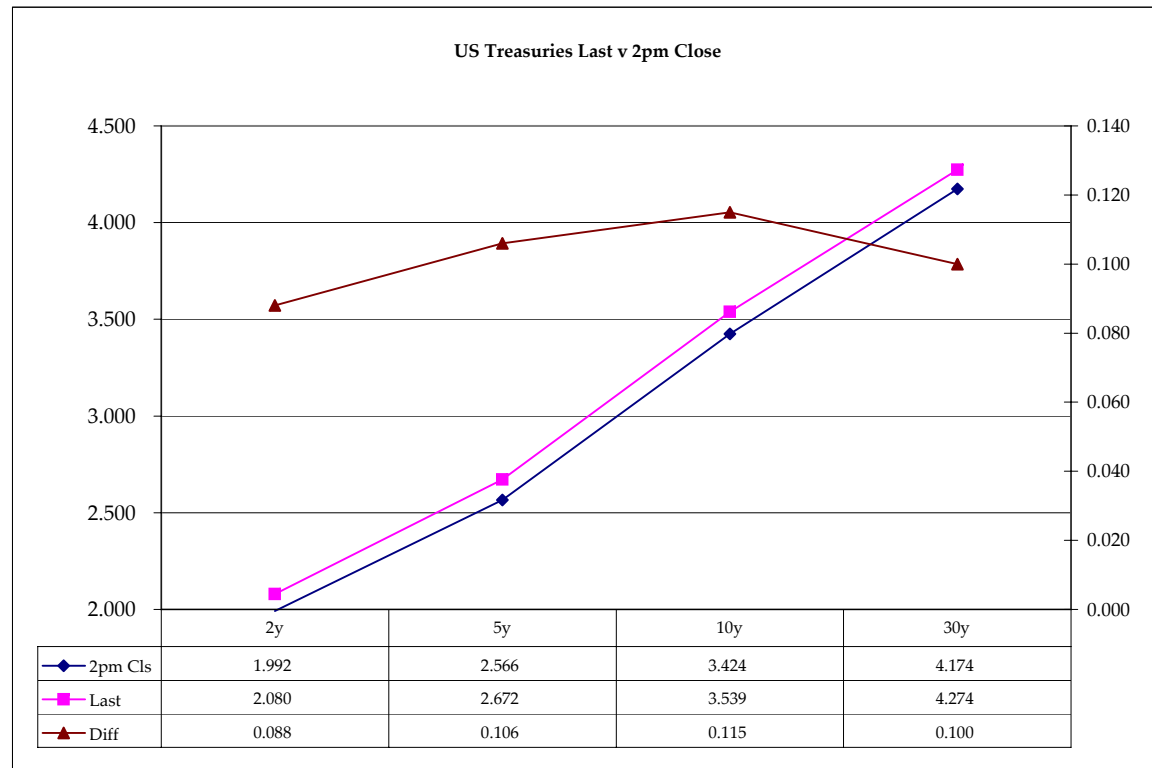
## US Treasuries

	2y	5y	10y	30y
2y		2.478	4.451	9.487
5y	0.404		1.796	3.829
10y	0.225	0.557		2.131
30y	0.105	0.261	0.469	

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	102.1200	1.992	2.080	0.088				FVAH8	114.040	113.190
5y	3.625	12/31/12	104.2800	2.566	2.672	0.106	114.12	112.71		TYAH8	118.065	117.105
10y	4.250	11/17/17	106.265	3.424	3.539	0.115	109.95	103.44		USAH8	121.14	120.100
30y	5.000	5/15/37	113.29	4.174	4.274	0.100	289.72	263.79				

Curve Spreads		
	Close bps	Last bps
2/5	57.4	59.2
5/10	85.8	86.7
10/30	75.0	73.5
2/10	143.2	145.9
5/30	160.8	160.2
2/30	218.2	219.4



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	23%	56%	100%	
30	12%	28%	50%	136%
Cash Matrix [DV01 x Duration]				
	2	5	10	30
2	\$191			
5	\$194	\$461		
10	\$199	\$473	\$850	
30	\$213	\$507	\$911	\$1,812
Cash Matrix [DV01 over / (under) valued]				
	2	5	10	30
2				
5	(\$3)			
10	(\$8)	(\$12)		
30	(\$22)	(\$46)	(\$61)	
Cash Matrix [DV01 over / (under) as %]				
	2	5	10	30
2				
5	-1.46%			
10	-3.97%	-2.55%		
30	-10.42%	-9.10%	-6.72%	

**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	2.31	4.25	9.06
ZF		0.42	1.02	1.89	4.03
ZN		0.27	0.66	1.22	2.60
ZB		0.15	0.36	0.67	1.42

		Box for Box Matrix			
		2y	5y	10y	30y
ZT		0.95	2.31	8.50	18.12
ZF		0.42	2.05	3.78	8.05
ZN		0.55	1.32	1.22	2.60
ZB		0.60	1.45	1.33	2.84

		2y	5y	10y	30y
2y		1.00	2.41	4.45	9.49
5y		0.41	1.00	1.84	3.93
10y		0.22	0.54	1.00	2.13
30y		0.11	0.25	0.47	1.00

		2y	5y	10y	30y
2y			2.41	2.23	4.74
5y		0.41		0.46	1.96
10y		0.45	2.17		2.13
30y		0.21	0.51	0.47	

		ZT	ZF	ZN	ZB
ZT		1.00	2.25	3.49	6.37
ZF		0.44	1.00	1.55	2.83
ZN		0.29	0.65	1.00	1.83
ZB		0.16	0.35	0.55	1.00

		2y	5y	10y	30y
ZT			2.25	6.98	25.49
ZF		0.44		1.55	5.66
ZN		0.14	0.65		3.65
ZB		0.04	0.18	0.27	