



12/9/2008 5:38

## The Morning Email: Treasuries

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Want something added? Let me know:  
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**Important Econ Releases, Highs & Lows**

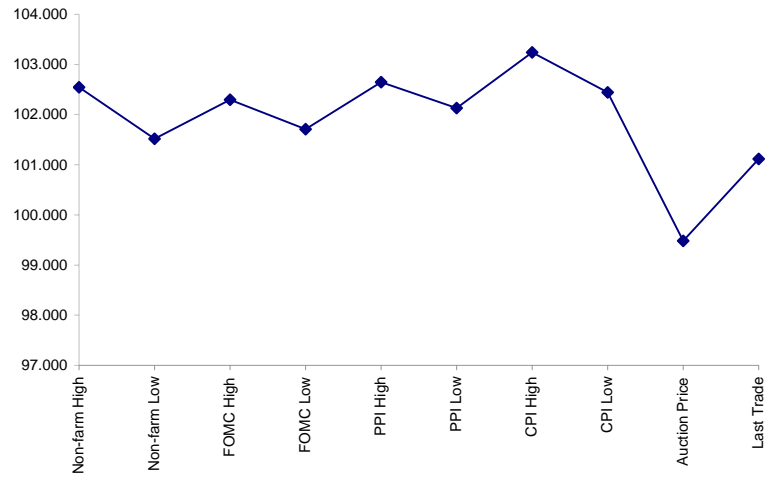
**Economic Releases (32nds)**

	5y	10y	ZNZ8	ZBZ8	Date
Non-farm High	102.1750	110.280	124.205	135.025	12/5/2008
Non-farm Low	101.1650	109.115	122.260	132.280	12/5/2008
FOMC High	102.0950	104.208	117.115	117.265	10/29/2008
FOMC Low	101.2275	103.223	116.035	115.295	10/29/2008
PPI High	102.2075	102.005	120.265	121.145	11/18/2008
PPI Low	102.0425	100.285	119.285	119.305	11/18/2008
CPI High	103.0775	103.125	121.215	123.145	11/19/2008
CPI Low	102.1425	101.315	120.210	121.205	11/19/2008
Auction Price	99.1539	99.233	na	na	
Last Trade	101.0370	108.200	125.030	133.030	12/9/2008 5:38

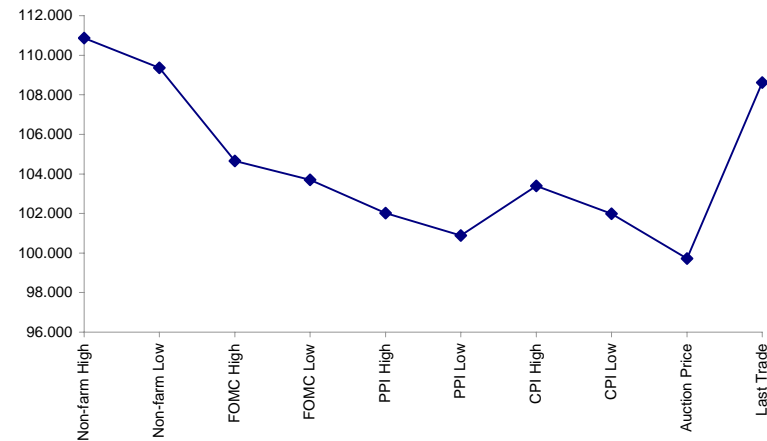
**Auctions - 32nds**

	2 y	5y	10y	30y
Auction Price	99.308	99.154	99.233	98.074
Auction Yield Stop	1.269	2.11	3.783	4.609
Actual Auction Date	11/24/2008	11/25/2008	11/12/2008	8/7/2008

5y (Decimal)



10y (Decimal)



**Notes:**

- 1) Cash and futures are adjusted for roll.
- 2) Release times are from release to 2pm cdt
- 3) {Dec08 to Mch09 Futures roll: ZF = (91); ZN = (70 ); ZB = (32) [tics]}

## Quotes

		32 nds					
	Last	Net	High	Low	Open	Volume	Sym Name
TUAH9	108.025	0.000	108.070	108.002	108.045	5,503	2y Fut
FVAH9	117.140	(0.057)	117.307	117.085	117.225	14,057	5y Fut
TYAH9	125.030	(0.085)	123.085	122.095	122.270	48,290	10y Fut
USAH9	133.030	(0.12)	133.300	133.000	133.160	7,769	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	100.195	0.000	100.225	100.175	100.197	na	2y Cash
BUS05P	101.030	(0.057)	101.175	101.005	101.100	na	5y Cash
BUS10P	108.190	(0.020)	109.085	108.175	108.205	na	10y Cash
BUS30P	124.250	0.045	126.090	125.245	125.245	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	0.930	(0.001)	0.978	0.874	0.938	na	2y Yield
BUS05Y	1.758	0.041	1.794	1.67	1.733	na	5y Yield
BUS10Y	2.744	0.015	2.767	2.677	2.767	na	10y Yield
BUS30Y	3.165	0.008	3.166	3.12	3.154	na	30y Yield

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
<b>30y</b>	17.71	7.14	\$2,232	14.29	n/a	<b>30y</b>
<b>10y</b>	8.32	2.90	\$907	5.80	n/a	<b>10y</b>
<b>5y</b>	4.72	1.56	\$487	6.24	n/a	<b>5y</b>
<b>3y</b>	2.85	0.93	\$290	3.71	n/a	<b>3y</b>
<b>2y</b>	1.94	0.63	\$196	2.51	n/a	<b>2y</b>
<b>ZB</b>	10.69	4.64	\$145	4.64	0.795	<b>ZB</b>
<b>ZN</b>	6.29	2.53	\$79	5.06	0.8357	<b>ZN</b>
<b>ZF</b>	4.19	1.66	\$52	3.33	0.8392	<b>ZF</b>
<b>ZT</b>	1.91	0.68	\$21	2.74	0.9152	<b>ZT</b>

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

Example, If **ZN** moves 1~basis point, then, it's moved 2.51 tics (Today, 12/01/08, the value in the box is 2.51).

Since ZN trades in half tics, then, 5.03 boxes = 1 basis point in ZN. (Again, today, 12/01/08, the value in the box is 5.03). 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
<b>Bund (Z)</b>	0.800	1.410	2.225	2.570
<b>Bobl (Z)</b>	0.439	0.777	1.220	1.411
<b>Shatz (Z)</b>	0.165	0.293	0.460	0.532

## US Financial Futures

	ZB	ZN	ZF	ZT
<b>ZB</b>		1.777	2.793	3.393
<b>ZN</b>	0.563		1.572	1.909
<b>ZF</b>	0.358	0.636		1.215
<b>ZT</b>	0.295	0.524	0.823	

## Eurex Bonds

	Bund (Z)	Bobl (Z)	Shatz (Z)
<b>Bund (Z)</b>		1.8	4.8
<b>Bobl (Z)</b>	0.5		2.7
<b>Shatz (Z)</b>	0.2	0.4	

## US Treasuries v US Financial Futures

	2y	5y	10y	30y
<b>ZB</b>	1.35	3.36	6.25	15.38
<b>ZN</b>	2.40	5.97	11.10	27.33
<b>ZF</b>	3.77	9.38	17.45	42.96
<b>ZT</b>	4.58	11.39	21.20	52.18

## US Treasuries v Eurex Bonds

	2y	5y	10y	30y
<b>Bund (Z)</b>	1.8	4.3	7.5	15.7
<b>Bobl (Z)</b>	3.2	7.6	13.3	27.6
<b>Shatz (Z)</b>	8.1	19.2	33.6	69.9

## US Treasuries

	2y	5y	10y	30y
<b>2y</b>		2.489	4.633	11.403
<b>5y</b>	0.402		1.861	4.581
<b>10y</b>	0.216	0.537		2.462
<b>30y</b>	0.088	0.218	0.406	

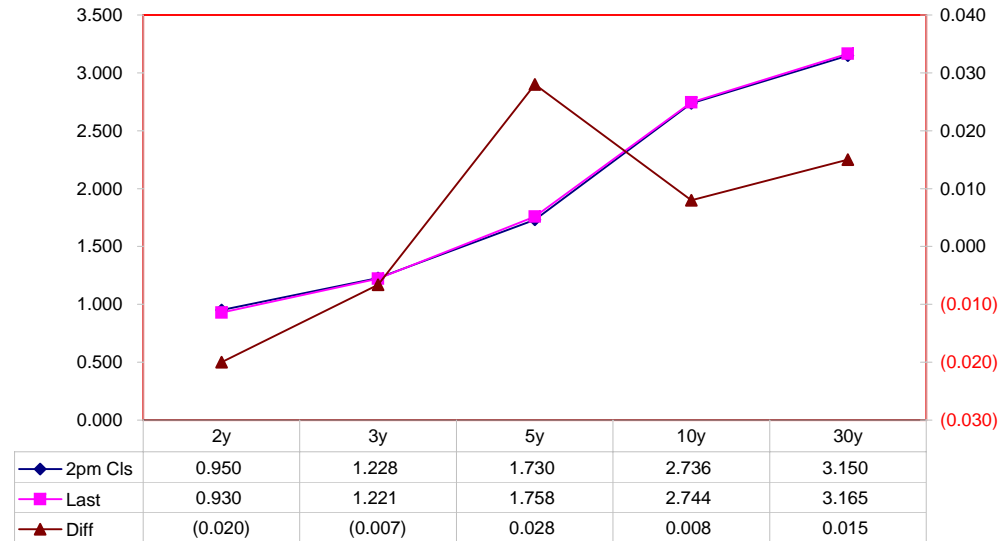
Note: If you are looking at a matrix with Eurex products then those ratios are pulled from Bloomberg and are static. Meaning, I only update them once in a while but always on rolls. I calculate the other matrixes, with US products, everyday

Treasury Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Chng from 2pm	Basis		Cash Roll	Futrues Roll	Close 32	Last	
							Close	Last					
2y	1.250	11/30/10	100.1875	0.950	0.930	(0.020)	50.10	54.28			108.0625	108.0250	TUAH9
3y	1.750	11/15/11	101.1600	1.228	1.221	(0.007)							
5y	2.000	11/30/13	101.0900	1.730	1.758	0.028	83.09	81.99			117.1900	117.1400	FVAH9
10y	3.750	11/15/18	108.245	2.736	2.744	0.008	197.45	130.69			122.245	125.030	TYAH9
30y	4.500	5/15/38	125.250	3.150	3.165	0.015	629.55	640.60			133.150	133.030	USAH9

Curve Spreads			
	Chng from		
	Close bps	Last bps	2pm CIs
2/3	27.8	29.1	1.3
2/5	78.0	82.8	4.8
3/5	50.2	53.7	3.5
2/10	178.6	181.4	2.8
3/10	150.8	152.3	1.5
5/10	100.6	98.6	(2.0)
2/30	220.0	223.5	3.5
3/30	192.2	194.4	2.2
5/30	142.0	140.7	(1.3)
10/30	41.4	42.1	0.7

US Treasuries Last v 2pm Close



O/N News:

	Last	Chng on Day
Emini SP	907.25	2.50
Crude Oil	43.44	(0.27)
Gold	767.10	(2.20)
EURUSD	128.26	(1.36)
USDJPY	92.87	0.06

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

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

**Cash Duration Matrix**

	2	5	10	30
2	100%			
5	41%	100%		
10	23%	57%	100%	
30	11%	27%	47%	100%

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

**Cash Matrix [DV01 x Duration]**

	2	5	10	30
2	\$196			
5	\$201	\$487		
10	\$212	\$514	\$907	
30	\$245	\$594	\$1,049	\$2,232

**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.

**Cash Matrix [DV01 over / (under) valued]**

	2	5	10	30
2				
5	(\$5)			
10	(\$16)	(\$26)		
30	(\$49)	(\$107)	(\$143)	

Or you can look at the over/under value as a percentage instead of dollar terms

**Cash Matrix [DV01 over / (under) as %]**

	2	5	10	30
2				
5	-2.60%			
10	-7.60%	-5.14%		
30	-20.16%	-18.03%	-13.59%	

## Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.92	2.28	4.24	10.44
ZF	0.38	0.94	1.75	4.30
ZN	0.24	0.60	1.11	2.73
ZB	0.13	0.34	0.62	1.54

	2y	5y	10y	30y
2y		2.49	4.63	11.40
5y	0.40		1.86	4.58
10y	0.22	0.54		2.46
30y	0.09	0.22	0.41	

	ZT	ZF	ZN	ZB
ZT		2.43	3.82	6.79
ZF	0.41		1.57	2.79
ZN	0.26	0.64		1.78
ZB	0.15	0.36	0.56	

## Box for Box Matrix

	2y	5y	10y	30y
ZT	0.92	2.28	8.48	20.87
ZF	0.38	0.94	3.49	8.59
ZN	0.48	1.19	1.11	2.73
ZB	0.54	0.67	1.25	1.54

	2y	5y	10y	30y
2y		2.49	2.32	5.70
5y	0.40		0.47	2.29
10y	0.43	2.15		2.46
30y	0.18	0.44	0.41	

	ZT	ZF	ZN	ZB
ZT		2.43	7.64	13.57
ZF	0.41		1.57	5.59
ZN	0.13	0.64		1.78
ZB	0.07	0.18	0.56	



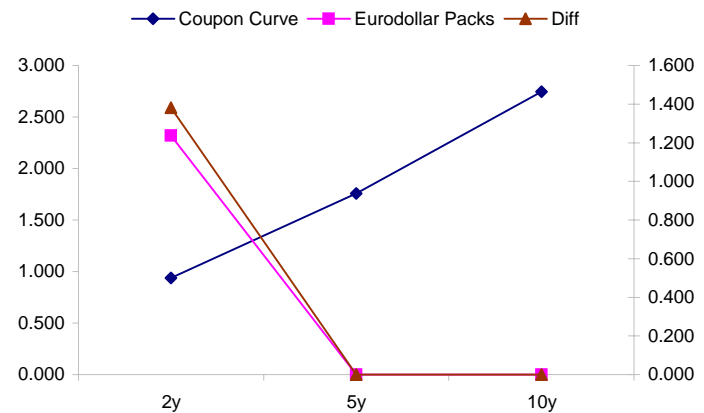
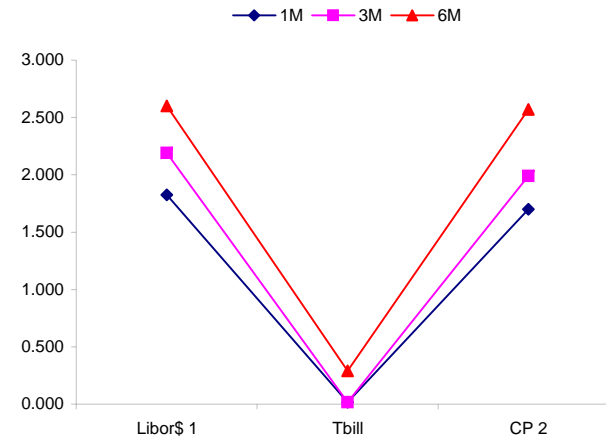
	Libor\$ <sup>1</sup>	Repo Rt <sup>6</sup>			
0/N	0.186	#VALUE!			
1week	0.738	#VALUE!			
2week	0.994	#VALUE!			
	Libor\$ <sup>1</sup>	Tbill	CP <sup>2</sup>		
1M	1.825	0.017	1.700		
3M	2.189	0.017	1.990		
6M	2.601	0.289	2.570		
	TSY	Swp	Swp Rate <sup>5</sup>	ED Pks <sup>3</sup>	TSY - ED Pk <sup>4</sup>
2y	0.937	118.50	2.12	2.319	1.382
5y	1.758	93.25	2.69		#VALUE!
10y	2.744	25.25	3.00		#VALUE!

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>	
82.1	#VALUE!	#VALUE!	Red pack / Blue pack is a 2/5 proxy
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>	
180.7	#VALUE!	#VALUE!	Red pack / Gold pack is a 2/10 proxy
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>	
98.7	#VALUE!	#VALUE!	Blue pack / Gold pack is a 5/10 proxy

"Swap spreads are essentially a measure of the difference between buying a safe government bond and making a riskier loan to a bank"  
--WSJ

**Notes:**

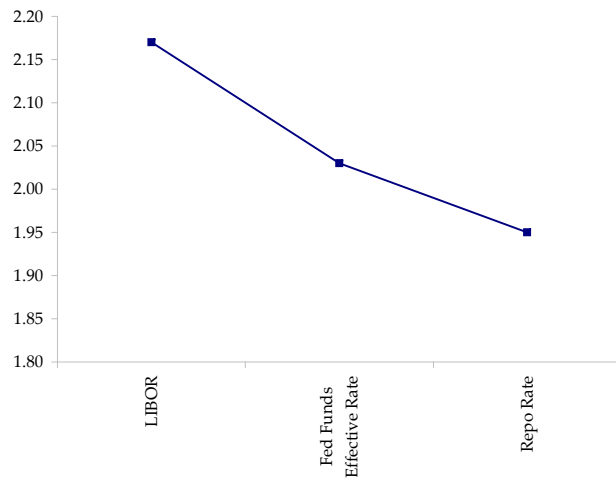
- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight General Collateral



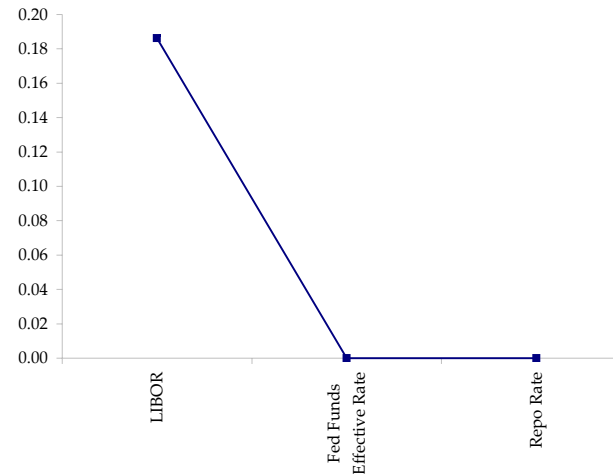
	Last	Chng	Term	Asset Type
USDLIBON	0.186	0.0000	Overnight	LIBOR
TUSFFRON	#VALUE!	#VALUE!	Overnight	Fed Funds Effective Rate
TUSRPOON	#VALUE!	#VALUE!	Overnight	Repo Rate
TEONIA01M	2.238	0.0070	1 month	Euribor OIS Rate
TEONIA03M	2.085	0.0140	3 month	Euribor OIS Rate
TSONIA01M	1.671	(0.0100)	1 month	Sterling OIS Rate
TSONIA03M	1.379	0.0210	3 month	Sterling OIS Rate
TUSOIS01M	0.252	0.0090	1 month	USD OIS Rate
TUSOIS03M	0.306	0.0070	3 month	USD OIS Rate

Example, below

Overnight Rates -EXAMPLE



Overnight Rates



A 'normal' lending curve looks like the chart to the left. That is, the Libor should be a bit higher than Fed Funds Effective rate (FFER), and the FFER should be a bit higher than the Repo Rate.

The best time to view this page is on the closing email I send in the afternoon. The Fed Funds effective rate and the repo rate rarely update until after I send the morning email.

Global 10yr Spreads over US Treasuries

Country	9/2/2008	9/8/2008	9/17/2008	9/19/2008	9/29/2008	10/15/2008	10/24/2008	11/6/2008	11/18/2008	11/25/2008	12/4/2008	12/8/2008	Last
Australia	195.3	211.6	217.1	181.6	205.3	135.8	120.8	143.5	138.9	157.4	170.5	160.4	156.1
France	58.9	60.8	87.6	73.6	65.4	31.9	31.4	35	44.4	67.3	96.3	89.6	81.1
Germany	40	40.7	56.7	47	36.2	11.7	3.5	-2.1	12.1	26.4	55.8	41.7	39.5
Japan	-227	-213.4	-192.4	-228.1	-213.2	-242.5	-224.2	-220.5	-193.6	-170.1	-118	-136.3	-139.3
U.K.	76.4	83	99.6	83.5	76.3	71.5	64.6	62.6	63.8	76.4	87	83.8	86.2

Global 10y Note spreads over US 10y

