



11/12/2008 6:01

## 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** Treasury Closes: 2pm CT vs this Morning
  
- Pg 6** Cash Duration Matrix
  
- Pg 7** Tic for Tic & Box for Box Matrix
  
- Pg 8** Key Money Rate, Spreads, Swaps, Packs
  
- Pg 9** Libor, Fed Funds (OIS), Repo, SONIA & EONIA Rates
  
- Pg 10** Global 10yr Spreads over US Treasuries

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

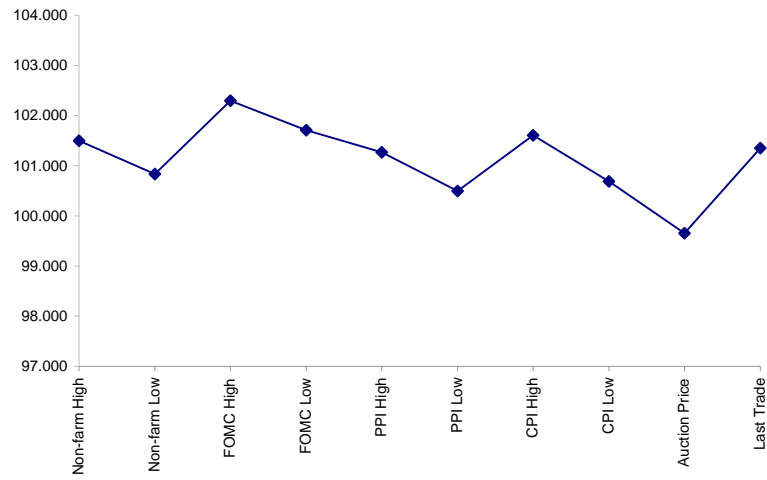
#### Economic Releases (32nds)

	5y	10y	ZNZ8	ZBZ8	Date
Non-farm High	101.1600	102.270	115.305	117.280	11/7/2008
Non-farm Low	100.2675	101.210	114.260	115.220	11/7/2008
FOMC High	102.0950	101.310	115.055	116.265	10/29/2008
FOMC Low	101.2275	100.315	113.295	114.295	10/29/2008
PPI High	101.0860	100.080	112.090	114.210	10/15/2008
PPI Low	100.1600	99.045	111.160	114.220	10/15/2008
CPI High	101.1950	100.210	112.250	113.105	10/16/2008
CPI Low	100.2200	99.155	111.125	121.170	10/16/2008
Auction Price	99.2088	99.124	na	na	
Last Trade	101.1120	102.070	115.255	117.280	11/12/2008 6:01

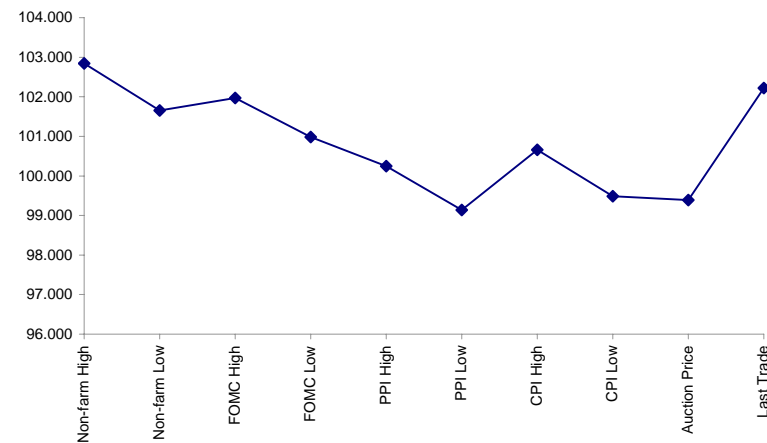
#### Auctions - 32nds

	2 y	5y	10y	30y
Auction Price	99.257	99.209	99.124	98.074
Auction Yield Stop	1.6	2.825	4.075	4.609
Actual Auction Date	9/24/2008	9/25/2008	8/6/2008	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 Mch08 Futures roll: ZF = ( ); ZN = ( ); ZB = ( ) [tics]}

## Quotes

		32 nds					
	Last	Net	High	Low	Open	Volume	Sym Name
TUAZ8	108.087	0.007	108.102	108.070	108.070	8,570	2y Fut
FVAZ8	115.280	0.007	115.312	115.225	115.245	15,894	5y Fut
TYAZ8	115.255	(0.065)	115.310	115.190	115.235	45,195	10y Fut
USAZ8	117.280	(0.17)	118.090	117.275	118.075	6,348	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	100.175	0.025	100.187	100.165	100.172	na	2y Cash
BUS05P	101.107	0.057	101.137	101.062	101.062	na	5y Cash
BUS10P	102.065	0.080	102.115	102.020	102.030	na	10y Cash
BUS30P	105.005	0.035	105.155	105.035	105.120	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	1.214	(0.041)	1.274	1.19	1.274	na	2y Yield
BUS05Y	2.459	(0.037)	2.506	2.439	2.504	na	5y Yield
BUS10Y	3.724	(0.027)	3.755	3.705	3.755	na	10y Yield
BUS30Y	4.195	(0.005)	4.204	4.173	4.203	na	30y Yield

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
<b>30y</b>	16.24	5.51	\$1,723	11.03	n/a	<b>30y</b>
<b>10y</b>	7.97	2.63	\$822	5.26	n/a	<b>10y</b>
<b>5y</b>	4.62	1.54	\$481	6.15	n/a	<b>5y</b>
<b>3y</b>					n/a	<b>3y</b>
<b>2y</b>	1.93	0.62	\$194	2.48	n/a	<b>2y</b>
<b>ZB</b>	10.68	4.10	\$128	4.10	0.7943	<b>ZB</b>
<b>ZN</b>	6.43	2.43	\$76	4.86	0.8568	<b>ZN</b>
<b>ZF</b>	4.32	1.67	\$52	3.33	0.8653	<b>ZF</b>
<b>ZT</b>	1.77	0.62	\$19	2.49	0.9229	<b>ZT</b>

Yield Curve Spreads			
	Last	2pm close	Diff
<b>2/3</b>	-121.40	85.20	(206.60)
<b>2/5</b>	124.50	56.30	68.20
<b>3/5</b>	245.90	233.50	12.40
<b>2/10</b>	251.00	204.60	46.40
<b>3/10</b>	372.40	148.30	224.10
<b>5/10</b>	126.50	279.30	(152.80)
<b>2/30</b>	298.10	194.10	104.00
<b>3/30</b>	419.50	45.80	373.70
<b>5/30</b>	173.60	0.00	173.60
<b>10/30</b>	47.10	0.00	47.10

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

Example, If **ZN** moves 1~basis point, then, it's moved 2.38 tics (Today, 06/25/08, the value in the box is 2.38).

Since ZN trades in half tics, then, 4.80 boxes = 1 basis point in ZN. (Again, today, 08/07/08, the value in the box is 4.80). 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 (U)</b>	0.932	1.500	2.200	2.600
<b>Bobl (U)</b>	0.500	0.850	1.250	1.500
<b>Shatz (U)</b>	0.204	0.339	0.494	0.594

## US Financial Futures

	ZB	ZN	ZF	ZT
<b>ZB</b>		1.689	2.459	3.297
<b>ZN</b>	0.592		1.456	1.952
<b>ZF</b>	0.407	0.687		1.341
<b>ZT</b>	0.303	0.512	0.746	

## Eurex Bonds

	Bund (H)	Bobl (H)	Shatz (H)
<b>Bund (H)</b>		1.8	4.5
<b>Bobl (H)</b>	0.6		2.5
<b>Shatz (H)</b>	0.2	0.4	

## US Treasuries v US Financial Futures

	2y	5y	10y	30y
<b>ZB</b>	1.51	3.75	6.42	13.45
<b>ZN</b>	2.56	6.34	10.84	22.71
<b>ZF</b>	3.72	9.23	15.79	33.07
<b>ZT</b>	4.99	12.37	21.17	44.35

## US Treasuries v Eurex Bonds

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

## US Treasuries

	2y	5y	10y	30y
<b>2y</b>		2.479	4.241	8.886
<b>5y</b>	0.403		1.711	3.585
<b>10y</b>	0.236	0.584		2.095
<b>30y</b>	0.113	0.279	0.477	

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

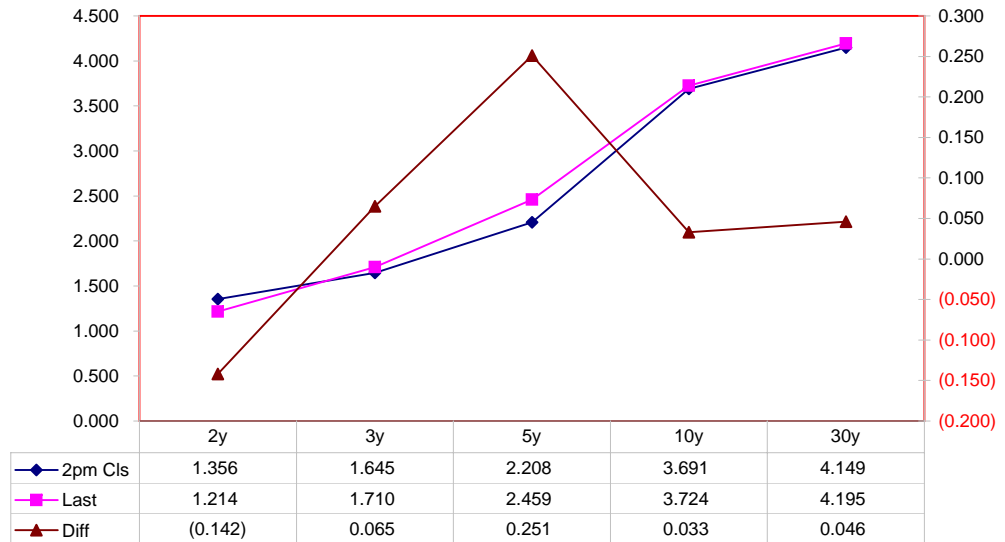
Treasury Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Chng	Basis		Cash	Futrues	Close 32	Last	
						from 2pm	Close	Last	Roll	Roll			
2y	1.500	10/31/10	100.1475	1.356	1.214	(0.142)	24.98	19.93			108.0025	108.0870	TUAZ8
3y	1.750	11/15/11	100.0975	1.645	1.710	0.065							
5y	2.750	10/31/13	101.0450	2.208	2.459	0.251	32.94	34.67			115.2225	115.2800	FVAZ8
10y	4.000	8/15/18	101.295	3.691	3.724	0.033	93.91	96.13			115.170	115.255	TYAZ8
30y	4.500	5/15/38	104.250	4.149	4.195	0.046	362.86	367.40			117.205	117.280	USAZ8

Curve Spreads

	Chng from		
	Close bps	Last bps	2pm CIs
2/3	28.9	0.0	(28.9)
2/5	85.2	0.0	(85.2)
3/5	56.3	0.0	
2/10	233.5	0.0	
3/10	204.6	0.0	(204.6)
5/10	148.3	0.0	(148.3)
2/30	279.3	0.0	(279.3)
5/30	194.1	0.0	(194.1)
10/30	45.8	0.0	(45.8)

US Treasuries Last v 2pm Close



O/N News:

Last Chng on Day

Emini SP	902.00	9.00
Crude Oil	58.58	(0.75)
Gold	733.50	0.70
EURUSD	125.77	0.52
USDJPY	97.69	0.01

Notes:

Basis = (Cash Decimal - (Futures Decimal \* CF))\*32

MDuration for Curve Spreads:

Longer duration minus shorter duration

32 = price is quoted in 32nds

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

**Cash Duration Matrix**

	2	5	10	30
2	100%			
5	40%	100%		
10	23%	58%	100%	
30	11%	28%	49%	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	\$187			
5	\$192	\$481		
10	\$190	\$476	\$822	
30	\$195	\$490	\$846	\$1,723

**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	(\$4)			
10	(\$2)	\$4		
30	(\$8)	(\$9)	(\$23)	

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	-2.17%			
10	-1.29%	0.90%		
30	-3.99%	-1.86%	-2.74%	

## Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.96	2.47	4.23	8.87
ZF	0.36	0.92	1.58	3.31
ZN	0.25	0.63	1.08	2.27
ZB	0.15	0.38	0.64	1.35

	2y	5y	10y	30y
2y		2.56	4.39	9.19
5y	0.39		1.71	3.58
10y	0.23	0.58		2.10
30y	0.11	0.28	0.48	

	ZT	ZF	ZN	ZB
ZT		2.68	3.90	6.59
ZF	0.37		1.46	2.46
ZN	0.26	0.69		1.69
ZB	0.15	0.41	0.59	

## Box for Box Matrix

	2y	5y	10y	30y
ZT	0.96	2.47	8.47	17.74
ZF	0.36	0.92	3.16	6.61
ZN	0.49	1.27	1.08	2.27
ZB	0.59	0.75	1.28	1.35

	2y	5y	10y	30y
2y		2.56	2.19	4.60
5y	0.39		0.43	1.79
10y	0.46	2.34		2.10
30y	0.22	0.56	0.48	

	ZT	ZF	ZN	ZB
ZT		2.68	7.81	13.19
ZF	0.37		1.46	4.92
ZN	0.13	0.69		1.69
ZB	0.08	0.20	0.59	



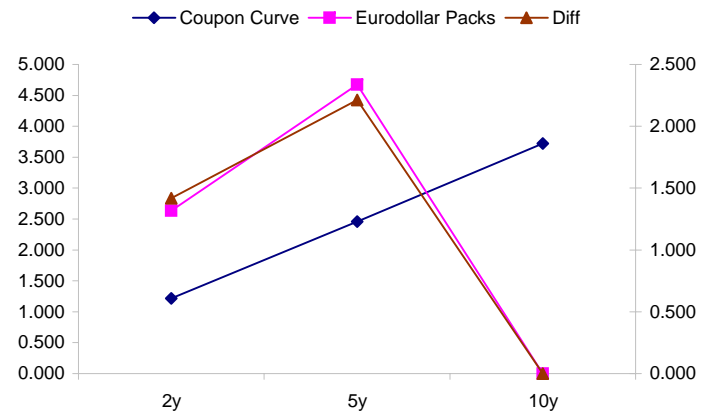
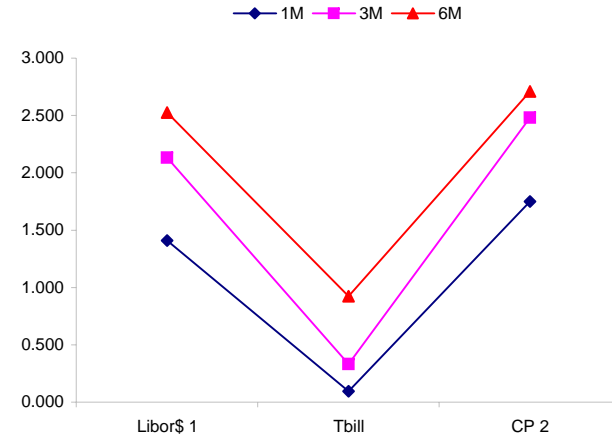
	Libor\$ <sup>1</sup>	Repo Rt <sup>6</sup>			
0/N	0.383	0.170			
1week	0.840	0.400			
2week	1.040	0.450			
	Libor\$ <sup>1</sup>	Tbill	CP <sup>2</sup>		
1M	1.409	0.096	1.750		
3M	2.133	0.332	2.480		
6M	2.525	0.924	2.710		
	TSY	Swp	Swp Rate <sup>5</sup>	ED Pks <sup>3</sup>	TSY - ED Pk <sup>4</sup>
2y	1.217	101.50	2.23	2.636	1.419
5y	2.459	97.25	3.43	4.673	2.214
10y	3.724	40.25	4.13	#VALUE!	#VALUE!

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>	
124.2	203.7	79.5	Red pack / Blue pack is a 2/5 proxy
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>	
250.7	#VALUE!	#VALUE!	Red pack / Gold pack is a 2/10 proxy
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>	
126.5	#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:**

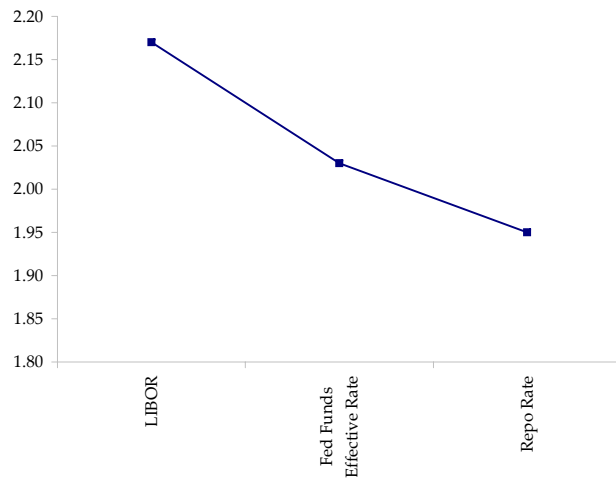
- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight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



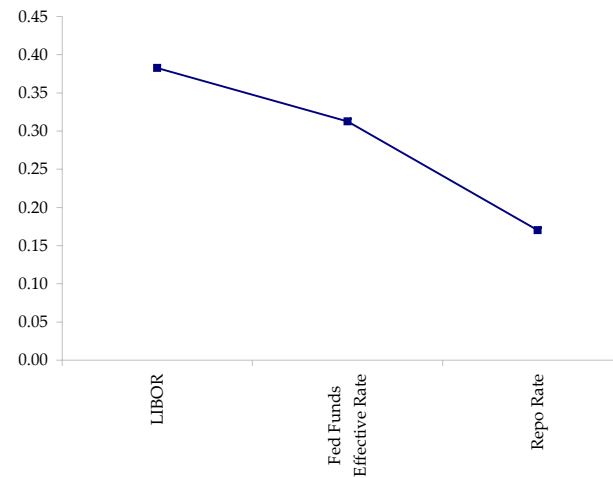
	Last	Chng	Term	Asset Type
USDLIBON	0.383	0.0325	Overnight	LIBOR
TUSFFRON	0.313	0.0625	Overnight	Fed Funds Effective Rate
TUSRPOON	0.170	0.0000	Overnight	Repo Rate
TEONIA01M	2.951	(0.0320)	1 month	Euribor OIS Rate
TEONIA03M	2.602	(0.0940)	3 month	Euribor OIS Rate
TSONIA01M	2.617	(0.0800)	1 month	Sterling OIS Rate
TSONIA03M	2.312	(0.1830)	3 month	Sterling OIS Rate
TUSOIS01M	0.430	(0.0060)	1 month	USD OIS Rate
TUSOIS03M	0.481	(0.0220)	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	11/7/2008	Last
Australia	195.3	211.6	217.1	181.6	205.3	135.8	120.8	143.5	140.1	143.9
France	58.9	60.8	87.6	73.6	65.4	31.9	31.4	35	30.6	21.1
Germany	40	40.7	56.7	47	36.2	11.7	3.5	-2.1	-10.5	-8.7
Japan	-227	-213.4	-192.4	-228.1	-213.2	-242.5	-224.2	-220.5	-226.1	-224.4
U.K.	76.4	83	99.6	83.5	76.3	71.5	64.6	62.6	41.8	43.6

Global 10y Note spreads over US 10y

