



The Morning Email: Treasuries

11/10/2008 6:00

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Want something added? Let me know:
jgoulding@ghco.com

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Important Econ Releases, Highs & Lows

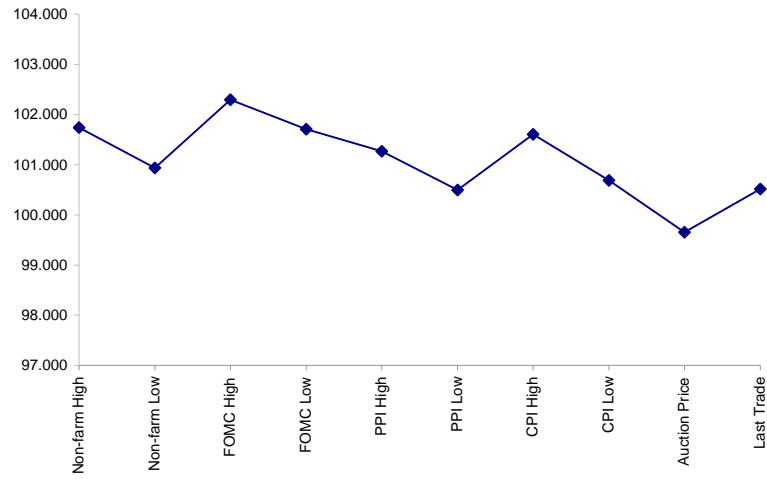
Economic Releases (32nds)

	5y	10y	ZNZ8	ZBZ8	Date
Non-farm High	101.2375	103.255	117.240	120.080	9/5/2008
Non-farm Low	100.3000	102.260	116.200	119.010	9/5/2008
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	100.1650	101.095	114.165	115.205	11/10/2008 6:00

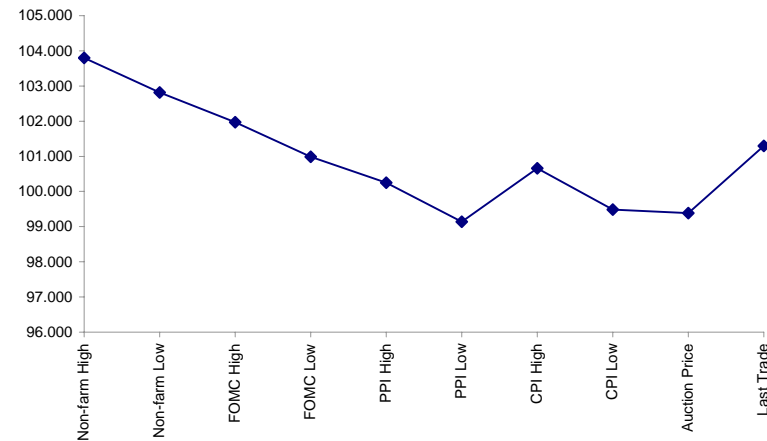
Auctions - 32nds

	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	107.277	(0.045)	107.315	107.277	107.315	8,343	2y Fut
FVAZ8	115.020	(0.095)	115.080	115.015	115.080	18,382	5y Fut
TYAZ8	114.165	(0.175)	114.250	114.125	114.250	46,069	10y Fut
USAZ8	115.205	(0.23)	115.255	115.080	115.255	7,762	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	100.060	(0.050)	100.090	100.060	100.065	na	2y Cash
BUS05P	100.165	(0.112)	100.222	100.165	100.200	na	5y Cash
BUS10P	101.090	(0.125)	101.170	101.060	101.070	na	10y Cash
BUS30P	103.070	(0.100)	103.165	102.300	102.300	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	1.400	0.072	1.412	1.323	1.331	na	2y Yield
BUS05Y	2.637	0.082	2.642	2.572	2.575	na	5y Yield
BUS10Y	3.837	0.048	3.866	3.795	3.799	na	10y Yield
BUS30Y	4.290	0.026	4.325	4.264	4.267	na	30y Yield

Duration, DV01s, Curve Spreads, CF

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	16.14	5.40	\$1,688	10.81	n/a	30y
10y	7.96	2.60	\$814	5.21	n/a	10y
5y	4.62	1.53	\$477	6.10	n/a	5y
3y					n/a	3y
2y	1.93	0.62	\$194	2.48	n/a	2y
ZB	10.61	3.99	\$125	3.99	0.7943	ZB
ZN	6.42	2.40	\$75	4.79	0.8568	ZN
ZF	4.32	1.65	\$52	3.31	0.8653	ZF
ZT	1.78	0.62	\$19	2.49	0.9229	ZT

Yield Curve Spreads

	Last	2pm close	Diff
2/3	-140.00	121.80	(261.80)
2/5	123.70	0.00	123.70
3/5	263.70	0.00	263.70
2/10	243.70	122.10	121.60
3/10	383.70	48.00	335.70
5/10	120.00	243.90	(123.90)
2/30	289.00	170.10	118.90
3/30	429.00	291.90	137.10
5/30	165.30	0.00	165.30
10/30	45.30	0.00	45.30

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
Bund (U)	0.932	1.500	2.200	2.600
Bobl (U)	0.500	0.850	1.250	1.500
Shatz (U)	0.204	0.339	0.494	0.594

US Financial Futures

	ZB	ZN	ZF	ZT
ZB		1.664	2.412	3.207
ZN	0.601		1.450	1.927
ZF	0.415	0.690		1.329
ZT	0.312	0.519	0.752	

Eurex Bonds

	Bund (H)	Bobl (H)	Shatz (H)
Bund (H)		1.8	4.5
Bobl (H)	0.6		2.5
Shatz (H)	0.2	0.4	

US Treasuries v US Financial Futures

	2y	5y	10y	30y
ZB	1.55	3.82	6.53	13.54
ZN	2.58	6.36	10.86	22.54
ZF	3.75	9.22	15.75	32.67
ZT	4.98	12.26	20.93	43.43

US Treasuries v Eurex Bonds

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

US Treasuries

	2y	5y	10y	30y
2y		2.463	4.204	8.722
5y	0.406		1.707	3.541
10y	0.238	0.586		2.075
30y	0.115	0.282	0.482	

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

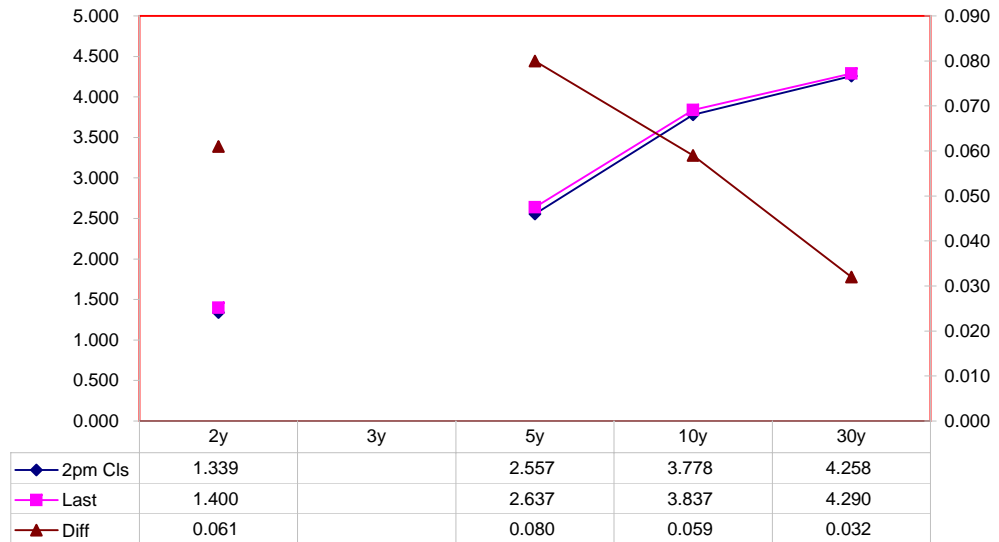
Treasury Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Chng from 2pm	Basis		Cash Roll	Futrues Roll	Close 32	Last	
							Close	Last					
2y	1.500	10/31/10	100.1000	1.339	1.400	0.061	20.23	20.43			108.0025	107.2770	TUAZ8
3y													
5y	2.750	10/31/13	100.2875	2.557	2.637	0.080	34.50	30.47			115.1150	115.0200	FVAZ8
10y	4.000	8/15/18	101.255	3.778	3.837	0.059	102.76	101.76			115.020	114.165	TYAZ8
30y	4.500	5/15/38	104.015	4.258	4.290	0.032	371.92	371.69			116.115	115.205	USAZ8

Curve Spreads

	Close bps	Last bps	Chng from
			2pm Cls
2/3			
2/5	121.8	0.0	(121.8)
3/5			
2/10			
3/10	122.1	0.0	(122.1)
5/10	48.0	0.0	(48.0)
2/30	243.9	0.0	(243.9)
5/30	170.1	0.0	(170.1)
10/30	291.9	0.0	(291.9)

US Treasuries Last v 2pm Close



News

Last Chng on Day

Emini SP	956.25	20.00
Crude Oil	64.34	3.30
Gold	752.20	18.00
EURUSD	129.12	1.91
USDJPY	99.24	0.97

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%	29%	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	\$190	\$477		
10	\$188	\$472	\$814	
30	\$193	\$483	\$833	\$1,688

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	(\$3)			
10	(\$1)	\$5		
30	(\$6)	(\$6)	(\$19)	

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	-1.75%			
10	-0.73%	1.04%		
30	-2.97%	-1.24%	-2.25%	

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.96	2.45	4.19	8.69
ZF	0.36	0.92	1.57	3.27
ZN	0.25	0.64	1.09	2.25
ZB	0.15	0.38	0.65	1.35

	2y	5y	10y	30y
2y		2.55	4.35	9.03
5y	0.39		1.71	3.54
10y	0.23	0.59		2.07
30y	0.11	0.28	0.48	

	ZT	ZF	ZN	ZB
ZT		2.66	3.85	6.41
ZF	0.38		1.45	2.41
ZN	0.26	0.69		1.66
ZB	0.16	0.41	0.60	

Box for Box Matrix

	2y	5y	10y	30y
ZT	0.96	2.45	8.37	17.37
ZF	0.36	0.92	3.15	6.53
ZN	0.50	1.27	1.09	2.25
ZB	0.60	0.76	1.31	1.35

	2y	5y	10y	30y
2y		2.55	2.18	4.51
5y	0.39		0.43	1.77
10y	0.46	2.34		2.07
30y	0.22	0.56	0.48	

	ZT	ZF	ZN	ZB
ZT		2.66	7.71	12.83
ZF	0.38		1.45	4.82
ZN	0.13	0.69		1.66
ZB	0.08	0.21	0.60	

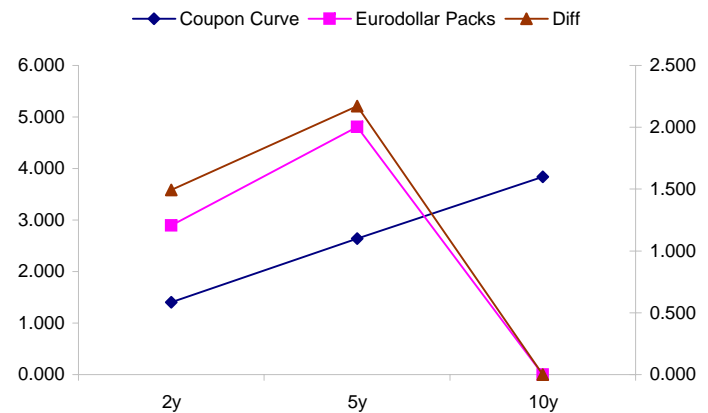
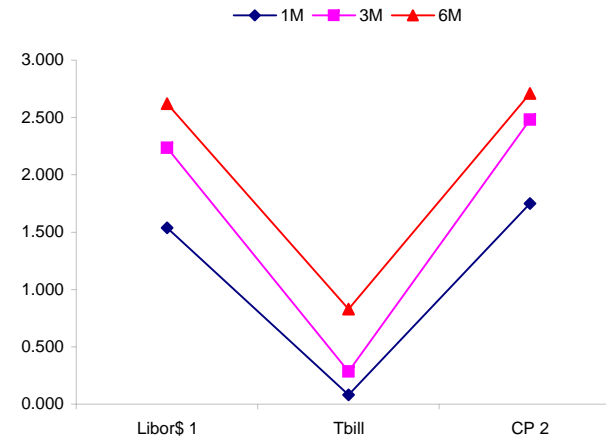
	Libor\$ ¹	Repo Rt ⁶			
0/N	0.350	0.150			
1week	0.838	0.400			
2week	1.079	0.450			
	Libor\$ ¹	Tbill	CP ²		
1M	1.539	0.081	1.750		
3M	2.235	0.286	2.480		
6M	2.621	0.829	2.710		
	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY - ED Pk ⁴
2y	1.403	104.75	2.45	2.896	1.494
5y	2.638	100.75	3.65	4.809	2.171
10y	3.841	41.25	4.25	#VALUE!	#VALUE!

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>	
123.6	191.2	67.7	Red pack / Blue pack is a 2/5 proxy
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>	
243.8	#VALUE!	#VALUE!	Red pack / Gold pack is a 2/10 proxy
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>	
120.2	#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:

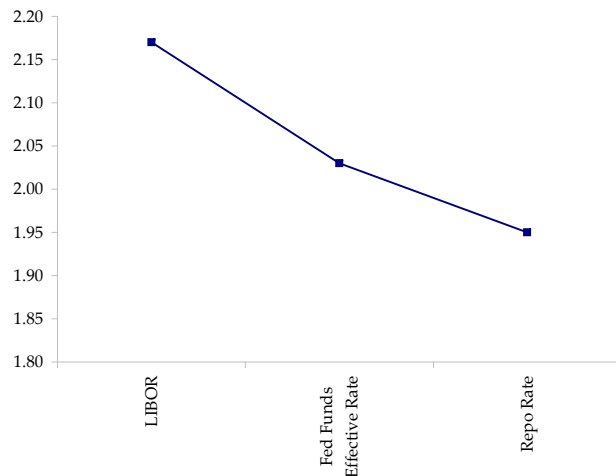
- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight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



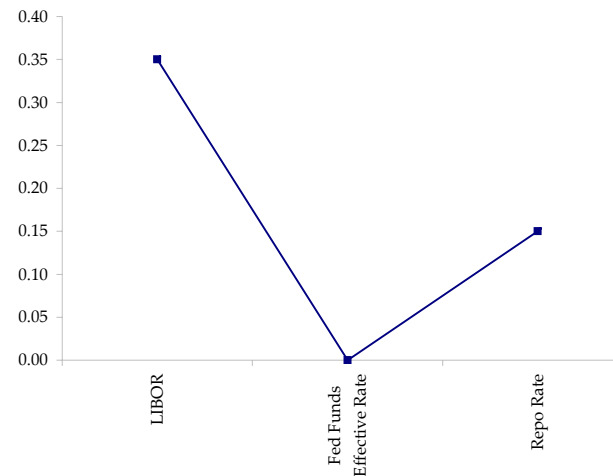
	Last	Chng	Term	Asset Type
USDLIBON	0.350	0.0188	Overnight	LIBOR
TUSFFRON	#VALUE!	#VALUE!	Overnight	Fed Funds Effective Rate
TUSRPOON	0.150	0.0000	Overnight	Repo Rate
TEONIA01M	3.018	(0.0190)	1 month	Euribor OIS Rate
TEONIA03M	2.766	(0.0300)	3 month	Euribor OIS Rate
TSONIA01M	2.748	(0.0110)	1 month	Sterling OIS Rate
TSONIA03M	2.503	(0.0270)	3 month	Sterling OIS Rate
TUSOIS01M	0.441	(0.0220)	1 month	USD OIS Rate
TUSOIS03M	0.528	(0.0080)	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	139.2
France	58.9	60.8	87.6	73.6	65.4	31.9	31.4	35	30.6	17.0
Germany	40	40.7	56.7	47	36.2	11.7	3.5	-2.1	-10.5	-12.0
Japan	-227	-213.4	-192.4	-228.1	-213.2	-242.5	-224.2	-220.5	-226.1	-234.3
U.K.	76.4	83	99.6	83.5	76.3	71.5	64.6	62.6	41.8	40.2

Global 10y Note spreads over US 10y

