



The Morning Email: Treasuries

11/7/2008 5:42

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:
jgoulding@ghco.com

Disclaimer: All information within this newsletter is meant for internal use at GH Trader's LLC, only. All information has been recorded to the best of my ability. This material is based upon information that I consider reliable, but I do not represent that it is accurate or complete.

Important Econ Releases, Highs & Lows

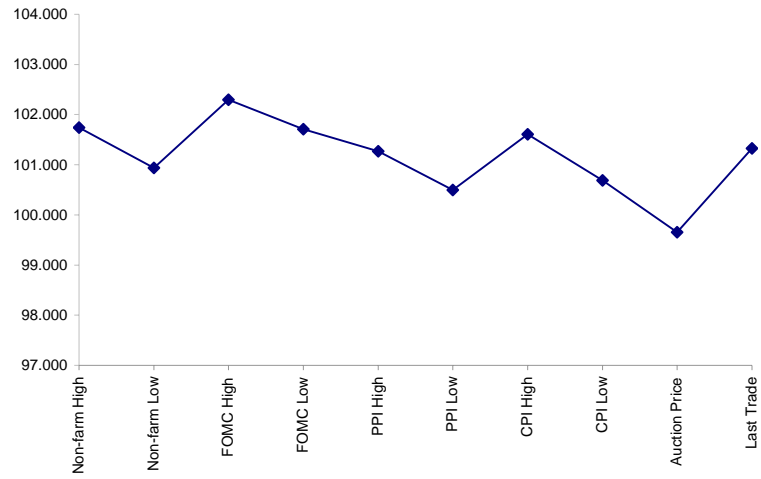
Economic Releases (32nds)

	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	101.1050	102.195	115.200	117.050	11/7/2008 5:42

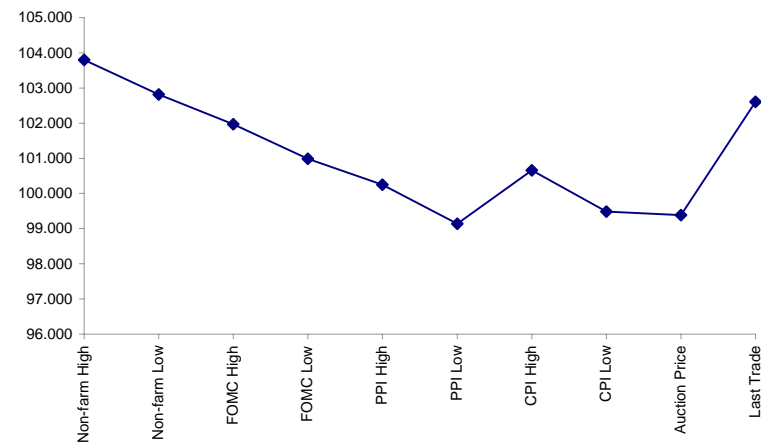
Auctions - 32nds

	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	108.030	(0.005)	108.057	108.022	108.045	5,817	2y Fut
FVAZ8	115.217	0.007	115.265	115.195	115.225	13,795	5y Fut
TYAZ8	115.200	0.050	115.240	115.120	115.185	34,849	10y Fut
USAZ8	117.050	0.12	117.115	116.270	116.270	5,354	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	100.127	(0.007)	100.150	100.122	100.145	na	2y Cash
BUS05P	101.102	(0.015)	101.132	101.077	101.125	na	5y Cash
BUS10P	102.185	0.015	102.210	102.150	102.195	na	10y Cash
BUS30P	105.130	0.105	105.150	105.085	105.150	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	1.291	0.015	1.311	1.251	1.299	na	2y Yield
BUS05Y	2.463	0.008	2.486	2.43	2.461	na	5y Yield
BUS10Y	3.679	0.006	3.705	3.662	3.688	na	10y Yield
BUS30Y	4.180	(0.016)	4.211	4.162	4.195	na	30y Yield

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	16.27	5.54	\$1,733	11.09	n/a	30y
10y	7.98	2.65	\$827	5.29	n/a	10y
5y	4.62	1.54	\$481	6.16	n/a	5y
2y	1.94	0.62	\$194	2.49	n/a	2y
ZB	10.68	4.08	\$128	4.08	0.7943	ZB
ZN	6.43	2.43	\$76	4.85	0.8568	ZN
ZF	4.33	1.67	\$52	3.34	0.8653	ZF
ZT	1.78	0.62	\$20	2.50	0.9229	ZT

Yield Curve Spreads

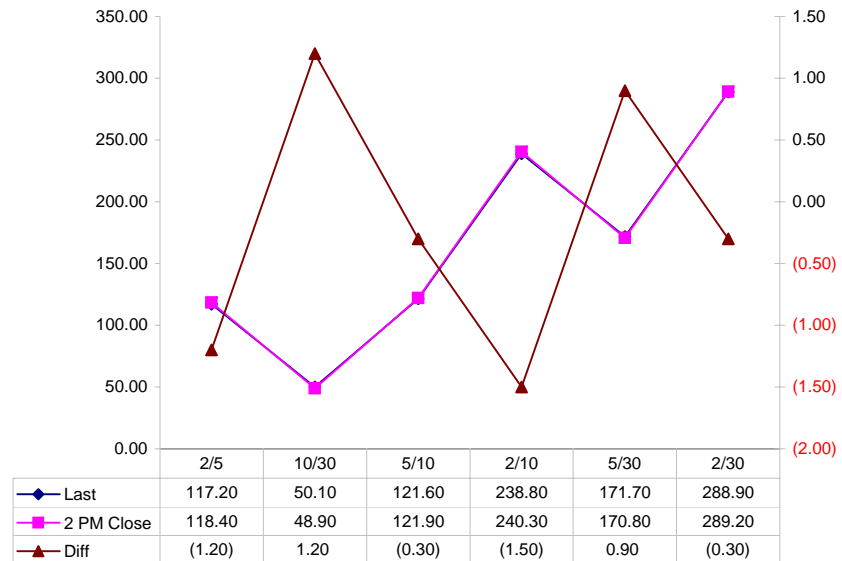
	Last	2pm close	Diff
2/5	117.20	118.40	(1.20)
10/30	50.10	48.90	1.20
5/10	121.60	121.90	(0.30)
2/10	238.80	240.30	(1.50)
5/30	171.70	170.80	0.90
2/30	288.90	289.20	(0.30)

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.

Curve Spreads vs 2pm close



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		1.683	2.447	3.269
ZN	0.594		1.454	1.942
ZF	0.409	0.688		1.336
ZT	0.306	0.515	0.749	

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	1.52	3.77	6.48	13.58
ZN	2.56	6.35	10.91	22.86
ZF	3.73	9.23	15.86	33.24
ZT	4.98	12.33	21.18	44.39

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		2.476	4.253	8.913
5y	0.404		1.718	3.600
10y	0.235	0.582		2.096
30y	0.112	0.278	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	100.1225	1.304	1.291	(0.013)	19.48	20.69			108.0350	108.0300	TUAZ8
5y	2.750	10/31/13	101.0700	2.488	2.463	(0.025)	36.74	39.42			115.2075	115.2170	FVAZ8
10y	4.000	8/15/18	102.120	3.707	3.679	(0.028)	110.55	113.34			115.145	115.200	TYAZ8
30y	4.500	5/15/38	105.040	4.196	4.180	(0.016)	395.30	393.67			116.255	117.050	USAZ8

Curve Spreads

	Close bps	Last bps	Chng from
			2pm Cls
2/5	118.4	117.2	(1.2)
5/10	121.9	121.6	(0.3)
10/30	48.9	50.1	1.2
2/10	240.3	238.8	(1.5)
5/30	170.8	171.7	0.9
2/30	289.2	288.9	(0.3)

	Last	Chng on Day
Emini SP	920.25	15.75
Crude Oil	62.12	1.35
Gold	739.10	6.90
EURUSD	127.76	0.58
USDJPY	97.34	(0.43)

News

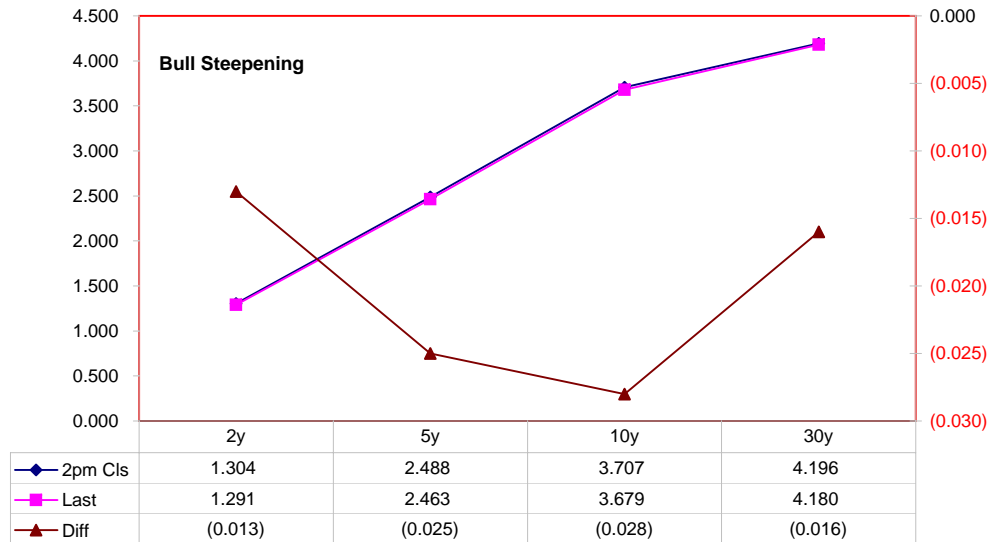
-- BOE cuts 1.50. Biggest cut in their 300 yr history. 0.75 was expected

-- SNB unexpectedly cuts 0.50

-- ALL CTDs changed yesterday...2s, 5s, 10s, 30s.

--

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

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	\$188			
5	\$192	\$481		
10	\$191	\$479	\$827	
30	\$197	\$492	\$850	\$1,733

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	(\$3)	\$2		
30	(\$9)	(\$11)	(\$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	-2.25%			
10	-1.75%	0.52%		
30	-4.44%	-2.23%	-2.74%	

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.96	2.47	4.24	8.88
ZF	0.36	0.92	1.59	3.32
ZN	0.25	0.64	1.09	2.29
ZB	0.15	0.38	0.65	1.36

	2y	5y	10y	30y
2y		2.56	4.40	9.22
5y	0.39		1.72	3.60
10y	0.23	0.58		2.10
30y	0.11	0.28	0.48	

	ZT	ZF	ZN	ZB
ZT		2.67	3.88	6.54
ZF	0.37		1.45	2.45
ZN	0.26	0.69		1.68
ZB	0.15	0.41	0.59	

Box for Box Matrix

	2y	5y	10y	30y
ZT	0.96	2.47	8.47	17.76
ZF	0.36	0.92	3.17	6.65
ZN	0.50	1.27	1.09	2.29
ZB	0.59	0.75	1.30	1.36

	2y	5y	10y	30y
2y		2.56	2.20	4.61
5y	0.39		0.43	1.80
10y	0.45	2.33		2.10
30y	0.22	0.56	0.48	

	ZT	ZF	ZN	ZB
ZT		2.67	7.77	13.08
ZF	0.37		1.45	4.89
ZN	0.13	0.69		1.68
ZB	0.08	0.20	0.59	

	Libor\$ ¹	Repo Rt ⁶
0/N	0.331	#VALUE!
1week	0.863	#VALUE!
2week	1.113	#VALUE!

	Libor\$ ¹	Tbill	CP ²
1M	1.623	0.116	1.750
3M	2.290	0.312	2.480
6M	2.639	0.832	2.710

	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY - ED Pk ⁴
2y	1.290	108.75	2.38	2.759	1.468
5y	2.466	103.50	3.50	4.651	2.185
10y	3.679	42.25	4.10	#VALUE!	#VALUE!

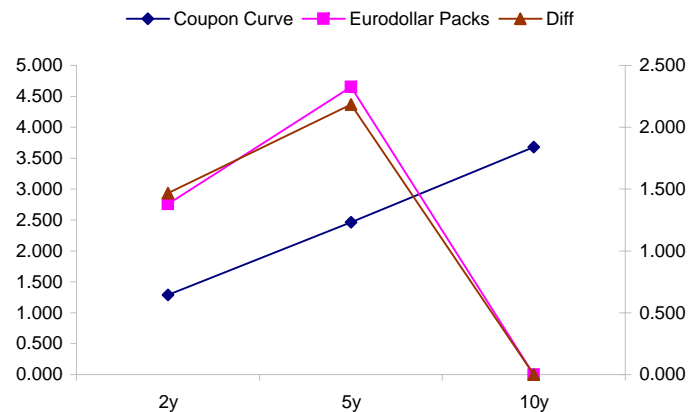
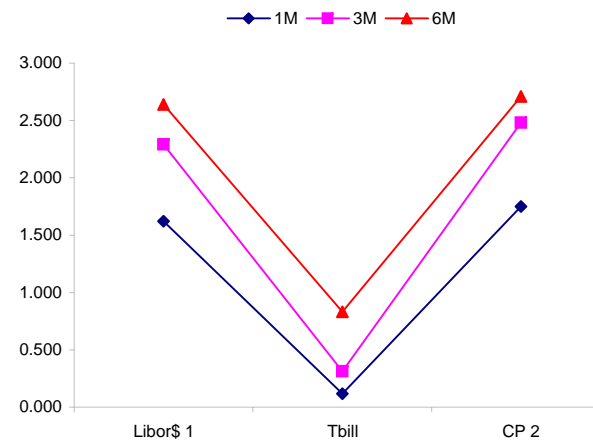
<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>
117.6	189.2	71.6
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>
238.8	#VALUE!	#VALUE!
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>
121.3	#VALUE!	#VALUE!

Red pack / Blue pack is a 2/5 proxy
 Red pack / Gold pack is a 2/10 proxy
 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:

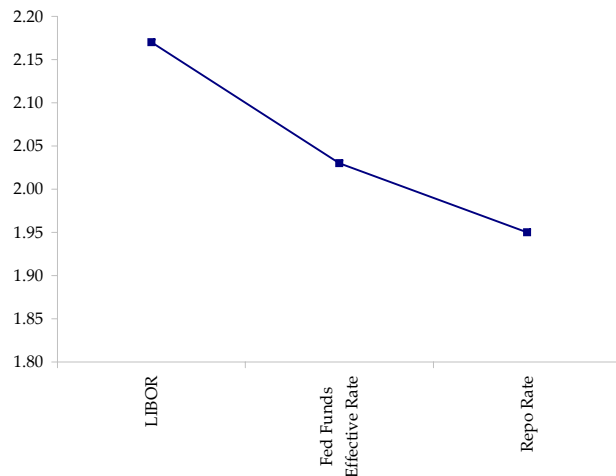
- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight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



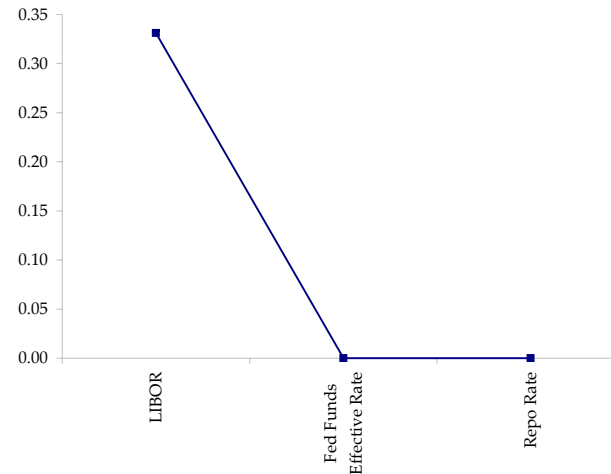
	Last	Chng	Term	Asset Type
USDLIBON	0.331	0.0038	Overnight	LIBOR
TUSFFRON	#VALUE!	#VALUE!	Overnight	Fed Funds Effective Rate
TUSRPOON	#VALUE!	#VALUE!	Overnight	Repo Rate
TEONIA01M	3.029	(0.0310)	1 month	Euribor OIS Rate
TEONIA03M	2.770	(0.0280)	3 month	Euribor OIS Rate
TSONIA01M	2.782	(0.0310)	1 month	Sterling OIS Rate
TSONIA03M	2.531	(0.0270)	3 month	Sterling OIS Rate
TUSOIS01M	0.482	(0.0690)	1 month	USD OIS Rate
TUSOIS03M	0.544	(0.0150)	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	8/25/2008	9/2/2008	9/8/2008	9/17/2008	9/19/2008	9/29/2008	10/15/2008	10/24/2008	11/6/2008	Last
Australia	201.6	195.3	211.6	217.1	181.6	205.3	135.8	120.8	143.5	145.5
France	53.2	58.9	60.8	87.6	73.6	65.4	31.9	31.4	35	34.6
Germany	34	40	40.7	56.7	47	36.2	11.7	3.5	-2.1	1.3
Japan	-234.4	-227	-213.4	-192.4	-228.1	-213.2	-242.5	-224.2	-220.5	-219.5
U.K.	82.9	76.4	83	99.6	83.5	76.3	71.5	64.6	62.6	63.3

Global 10y Note spreads over US 10y

