



12/8/2008 5:54

The Morning Email: Treasuries

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

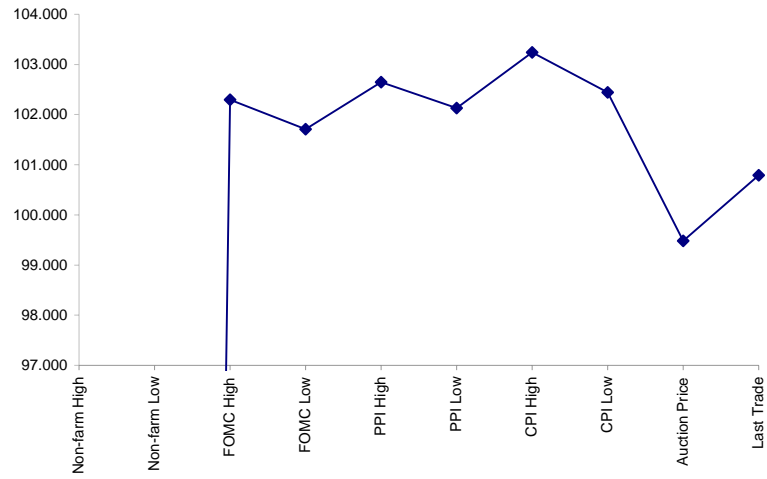
Economic Releases (32nds)

	5y	10y	ZNZ8	ZBZ8	Date
Non-farm High	0.0000	0.000	0.000	0.000	1/0/1900
Non-farm Low	0.0000	0.000	0.000	0.000	1/0/1900
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	100.2520	108.070	124.290	132.065	12/8/2008 5:54

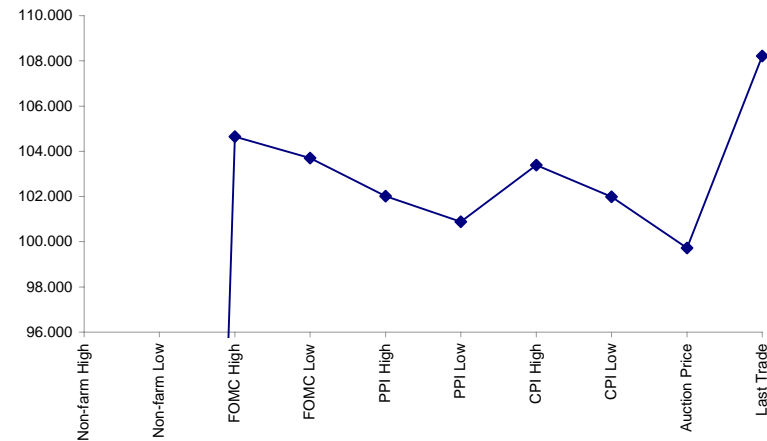
Auctions - 32nds

	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	107.277	(0.110)	108.057	107.225	108.057	10,728	2y Fut
FVAH9	117.007	(0.275)	117.277	116.312	117.277	25,696	5y Fut
TYAH9	124.290	(1.025)	123.005	121.285	122.270	59,196	10y Fut
USAH9	132.065	(1.10)	133.045	132.015	132.220	10,860	30y Fut
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02P	100.135	(0.062)	100.207	100.107	100.207	na	2y Cash
BUS05P	100.245	(0.220)	101.165	100.225	101.165	na	5y Cash
BUS10P	108.055	(0.245)	109.075	108.070	109.045	na	10y Cash
BUS30P	124.165	(1.065)	126.140	125.020	126.140	na	30y Cash
	Last	Net	High	Low	Open	Volume	Sym Name
BUS02Y	1.022	0.099	1.086	0.883	0.907	na	2y Yield
BUS05Y	1.835	0.142	1.858	1.665	1.698	na	5y Yield
BUS10Y	2.793	0.088	2.802	2.679	2.703	na	10y Yield
BUS30Y	3.164	0.050	3.183	3.119	3.127	na	30y Yield

	M Duration	DV01 32	DV01 \$	DV01 Box	CF	
30y	17.69	7.11	\$2,222	14.22	n/a	30y
10y	8.32	2.89	\$903	5.78	n/a	10y
5y	4.72	1.55	\$486	6.22	n/a	5y
3y	2.85	0.93	\$289	3.70	n/a	3y
2y	1.95	0.63	\$196	2.50	n/a	2y
ZB	10.66	4.59	\$143	4.59	0.795	ZB
ZN	6.29	2.51	\$78	5.02	0.8357	ZN
ZF	4.19	1.66	\$52	3.32	0.8392	ZF
ZT	1.91	0.68	\$21	2.74	0.9152	ZT

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
Bund (Z)	0.800	1.410	2.225	2.570
Bobl (Z)	0.439	0.777	1.220	1.411
Shatz (Z)	0.165	0.293	0.460	0.532

US Financial Futures

	ZB	ZN	ZF	ZT
ZB		1.767	2.766	3.355
ZN	0.566		1.566	1.898
ZF	0.361	0.639		1.213
ZT	0.298	0.527	0.825	

Eurex Bonds

	Bund (Z)	Bobl (Z)	Shatz (Z)
Bund (Z)		1.8	4.8
Bobl (Z)	0.5		2.7
Shatz (Z)	0.2	0.4	

US Treasuries v US Financial Futures

	2y	5y	10y	30y
ZB	1.36	3.39	6.30	15.50
ZN	2.41	5.99	11.14	27.40
ZF	3.77	9.37	17.43	42.89
ZT	4.58	11.36	21.14	52.01

US Treasuries v Eurex Bonds

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

US Treasuries

	2y	5y	10y	30y
2y		2.483	4.620	11.365
5y	0.403		1.861	4.577
10y	0.216	0.537		2.460
30y	0.088	0.218	0.406	

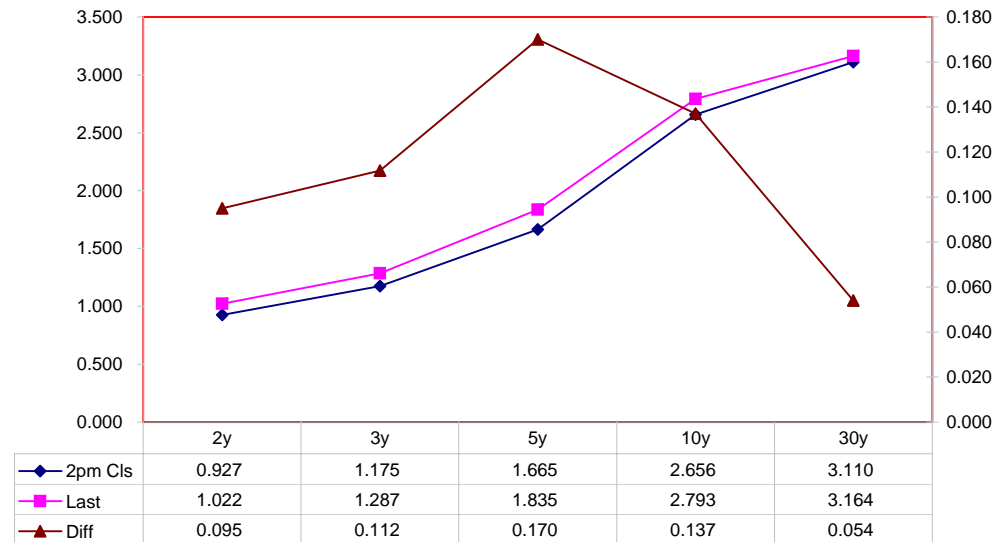
Note: If you are looking at a matrix with Eurex products then those ratios are pulled from Bloomberg and are static. Meaning, I only update them once in a while but always on rolls. I calculate the other matrixes, with US products, everyday

Treasury Closes: 2pm CT vs this Morning

	Cpn	Mty	Close 32	Close	Last	Chng	Basis		Cash	Futrues	Close 32	Last	
						from 2pm	Close	Last	Roll	Roll			
2y	1.250	11/30/10	100.2025	0.927	1.022	0.095	51.60	54.70			108.0625	107.2770	TUAH9
3y	1.750	11/15/11	101.2100	1.175	1.287	0.112							
5y	2.000	11/30/13	101.1900	1.665	1.835	0.170	85.33	82.65			117.2825	117.0070	FVAH9
10y	3.750	11/15/18	109.160	2.656	2.793	0.137	213.43	122.71			123.015	124.290	TYAH9
30y	4.500	5/15/38	126.220	3.110	3.164	0.054	659.75	666.75			133.135	132.065	USAH9

Curve Spreads			
	Chng from		
	Close bps	Last bps	2pm Cls
2/3	24.8	26.5	1.7
2/5	73.8	81.3	7.5
3/5	49.0	54.8	5.8
2/10	172.9	177.1	4.2
3/10	148.1	150.6	2.5
5/10	99.1	95.8	(3.3)
2/30	218.3	214.2	(4.1)
3/30	193.5	187.7	(5.8)
5/30	144.5	132.9	(11.6)
10/30	45.4	37.1	(8.3)

US Treasuries Last v 2pm Close



O/N News:

	Last	Chng on Day
Emini SP	897.25	24.75
Crude Oil	42.83	2.02
Gold	769.40	17.20
EURUSD	128.71	1.52
USDJPY	93.44	0.55

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	\$200	\$486		
10	\$211	\$512	\$903	
30	\$245	\$593	\$1,046	\$2,222

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)	(\$142)	

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	-2.43%			
10	-7.46%	-5.16%		
30	-20.05%	-18.06%	-13.60%	

Tic for Tic Matrix

	2y	5y	10y	30y
ZT	0.92	2.27	4.23	10.40
ZF	0.38	0.94	1.74	4.29
ZN	0.24	0.60	1.11	2.74
ZB	0.14	0.34	0.63	1.55

	2y	5y	10y	30y
2y		2.48	4.62	11.36
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		2.42	3.80	6.71
ZF	0.41		1.57	2.77
ZN	0.26	0.64		1.77
ZB	0.15	0.36	0.57	

Box for Box Matrix

	2y	5y	10y	30y
ZT	0.92	2.27	8.46	20.80
ZF	0.38	0.94	3.49	8.58
ZN	0.48	1.20	1.11	2.74
ZB	0.55	0.68	1.26	1.55

	2y	5y	10y	30y
2y		2.48	2.31	5.68
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		2.42	7.59	13.42
ZF	0.41		1.57	5.53
ZN	0.13	0.64		1.77
ZB	0.07	0.18	0.57	

	Libor\$ ¹	Repo Rt ⁶
0/N	0.284	0.150
1week	0.919	0.250
2week	0.994	0.250

	Libor\$ ¹	Tbill	CP ²
1M	1.825	0.022	#VALUE!
3M	2.189	0.033	#VALUE!
6M	2.601	0.215	#VALUE!

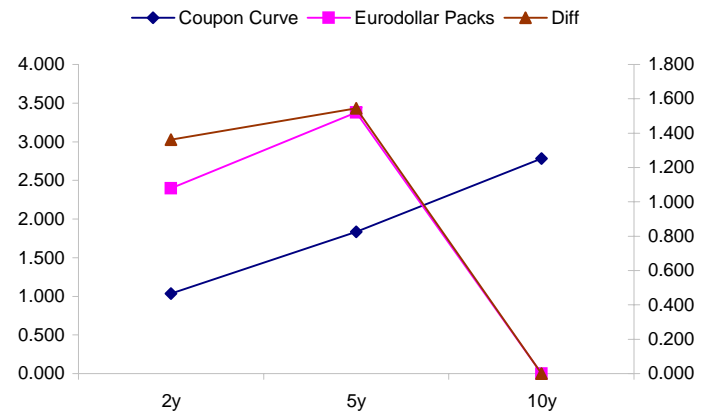
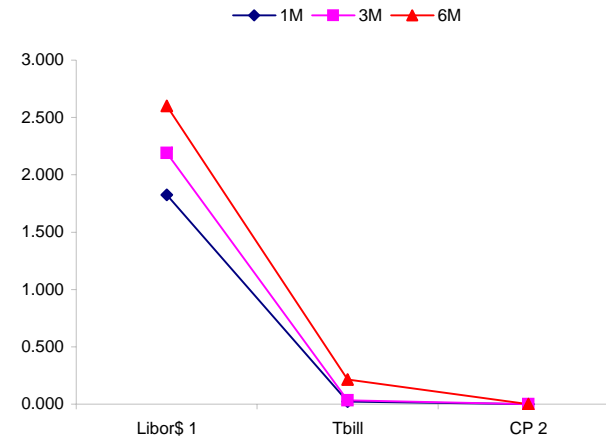
	TSY	Swp	Swp Rate ⁵	ED Pks ³	TSY - ED Pk ⁴
2y	1.033	120.00	2.23	2.395	1.362
5y	1.835	95.50	2.79	3.379	1.544
10y	2.784	28.75	3.07	#VALUE!	#VALUE!

<u>2/5</u>	<u>Rd/Blu Pk</u>	<u>Diff</u>	
80.2	98.3	18.2	Red pack / Blue pack is a 2/5 proxy
<u>2/10</u>	<u>Rd/Gld Pk</u>	<u>Diff</u>	
175.1	#VALUE!	#VALUE!	Red pack / Gold pack is a 2/10 proxy
<u>5/10</u>	<u>Blu/Gld Pk</u>	<u>Diff</u>	
94.9	#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:

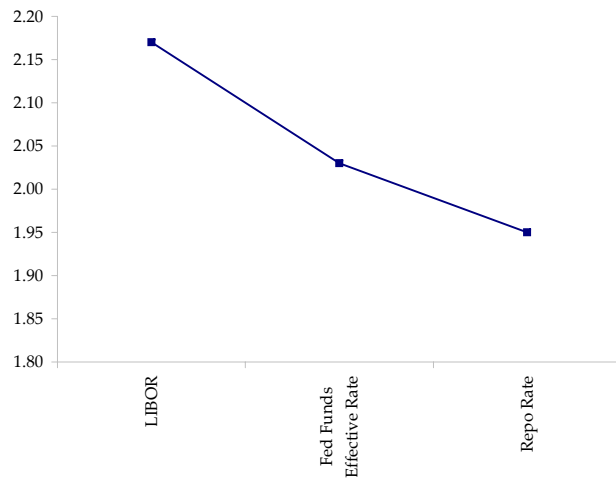
- 1) Quoted in US Dollars
- 2) CP = Commercial Paper
- 3) ED Pks are colored for pack identifications. Example, the red pack is a 2-yr proxy and is colored red.
- 4) TSY yield minus ED Pk yield
- 5) Swap divided by 100 + TSY yield gives swap rate in basis points.
- 6) Repo Rt quotes is for overnight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



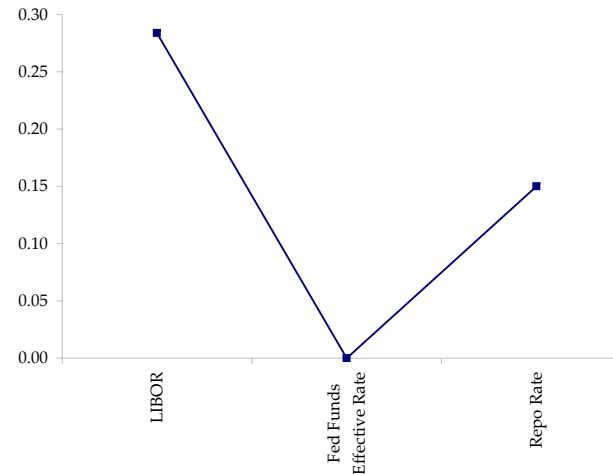
	Last	Chng	Term	Asset Type
USDLIBON	0.284	0.0000	Overnight	LIBOR
TUSFFRON	#VALUE!	#VALUE!	Overnight	Fed Funds Effective Rate
TUSRPOON	0.150	0.0000	Overnight	Repo Rate
TEONIA01M	2.231	(0.0250)	1 month	Euribor OIS Rate
TEONIA03M	2.061	(0.0020)	3 month	Euribor OIS Rate
TSONIA01M	1.686	(0.0010)	1 month	Sterling OIS Rate
TSONIA03M	1.356	(0.0290)	3 month	Sterling OIS Rate
TUSOIS01M	0.228	(0.0190)	1 month	USD OIS Rate
TUSOIS03M	0.269	(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	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	12/5/2008	Last
Australia	195.3	211.6	217.1	181.6	205.3	135.8	120.8	143.5	138.9	157.4	170.5	163.7	161.5
France	58.9	60.8	87.6	73.6	65.4	31.9	31.4	35	44.4	67.3	96.3	89.3	76.9
Germany	40	40.7	56.7	47	36.2	11.7	3.5	-2.1	12.1	26.4	55.8	36.9	33.1
Japan	-227	-213.4	-192.4	-228.1	-213.2	-242.5	-224.2	-220.5	-193.6	-170.1	-118	-131.8	-144.8
U.K.	76.4	83	99.6	83.5	76.3	71.5	64.6	62.6	63.8	76.4	87	75.5	76.1

Global 10y Note spreads over US 10y

