

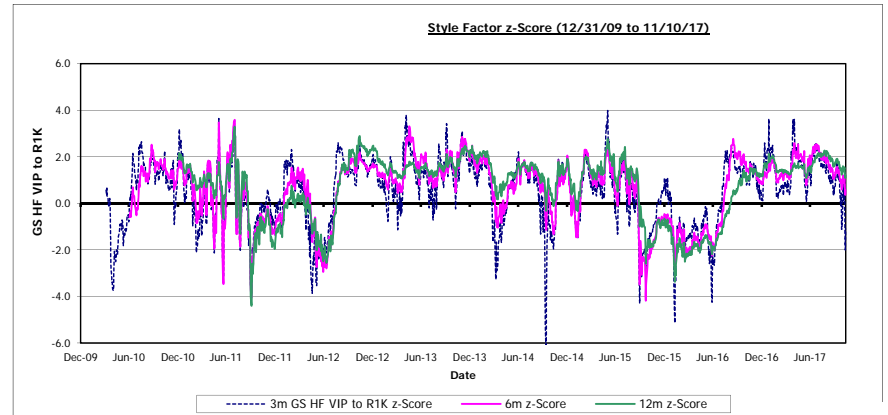
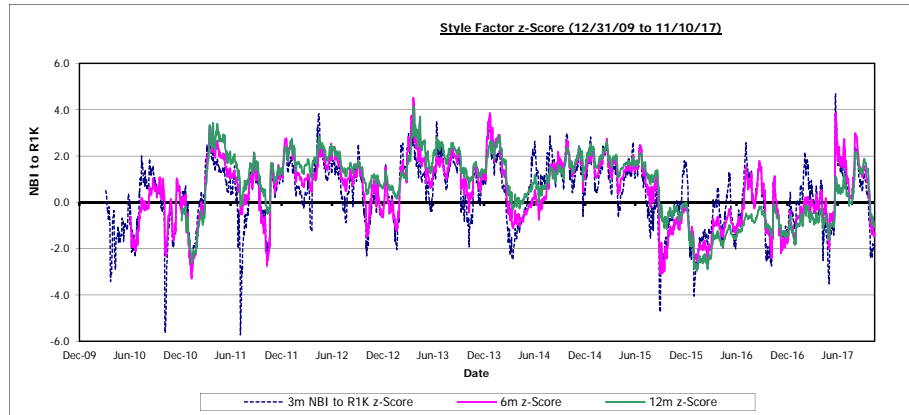
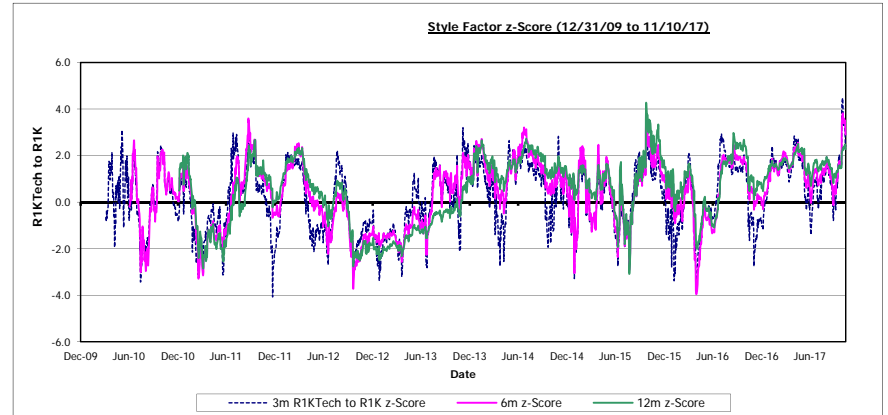
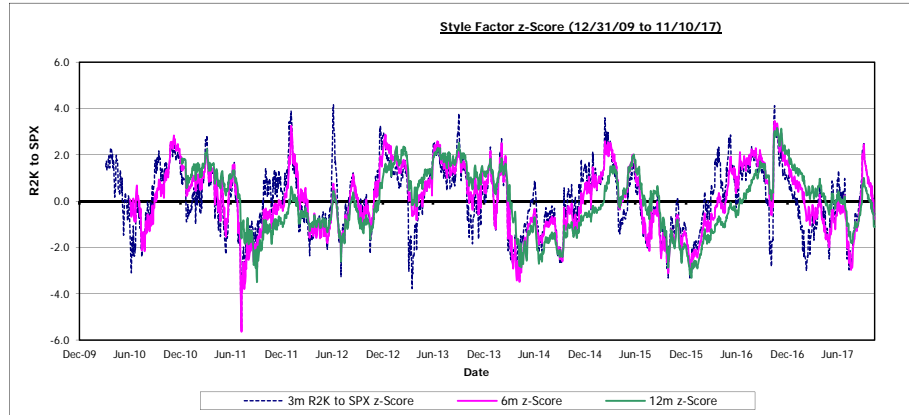
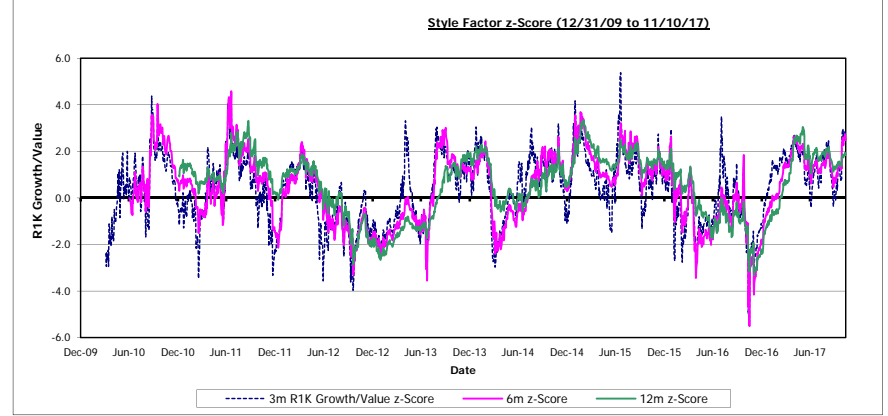
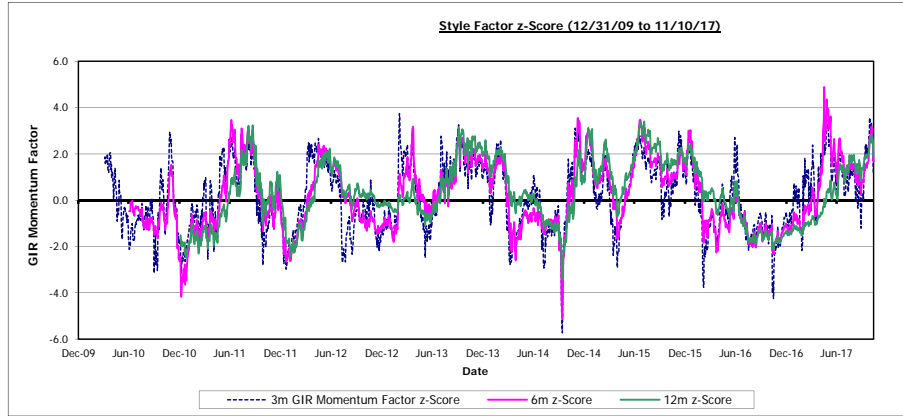
Style Factor z-Score (12/31/09 to 11/10/17)

z-Score Highlight 2.0

5

<-- 5D Change in z-Score -->

Style Factor	3m		6m		12m		3m		6m		12m	
	z-Score	%-tile	z-Score	%-tile	z-Score	%-tile	z-Score	%-tile	z-Score	%-tile	z-Score	%-tile
GIR Momentum Factor	1.1	70%	1.7	81%	1.9	84%	(2.1)	(1.5)	(0.9)			
R1K Growth/Value	2.5	96%	2.5	94%	1.9	85%	(0.3)	(0.0)	0.0			
R2K to SPX	(0.5)	35%	(0.7)	32%	(1.1)	23%	(0.6)	(0.7)	(0.6)			
R1KTech to R1K	2.4	97%	2.9	99%	2.3	93%	(1.0)	(0.7)	(0.1)			
NBI to R1K	(1.8)	7%	(1.4)	10%	(1.0)	15%	(0.0)	(0.3)	(0.3)			
GS HF VIP to R1K	(1.1)	16%	0.6	34%	1.2	47%	(1.2)	(0.3)	(0.2)			



Style Factor % Deviation (12/31/09 to 11/10/17)

%-tile Highlight **5.0%**

5

<- 5D Change in Deviation ->

Style Factor	3m		6m		12m		3m		6m		12m	
	Deviation	%-tile	Deviation	%-tile	Deviation	%-tile	Deviation	%-tile	Deviation	%-tile	Deviation	%-tile
GIR Momentum Factor	2.9%	77%	4.8%	77%	9.6%	88%	-4.1%		-4.1%		-3.9%	
R1K Growth/Value	3.0%	96%	4.4%	96%	8.6%	100%	0.2%		0.3%		0.4%	
R2K to SPX	-1.0%	31%	-1.1%	36%	-2.3%	31%	-1.2%		-1.1%		-1.1%	
R1KTech to R1K	5.0%	99%	6.4%	98%	10.4%	100%	-0.2%		0.0%		0.0%	
NBI to R1K	-6.6%	6%	-5.2%	12%	-3.6%	20%	-0.9%		-1.2%		-1.2%	
GS HF VIP to R1K	-0.4%	24%	1.0%	42%	3.7%	67%	-0.5%		-0.6%		-0.6%	

