Market Sectors	Close: $10/11/2019$
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	Close OAS	Close Price	Daily OAS	Daily Price	WTD OAS	WTD Price	MTD OAS	MTD Price	YTD OAS	YTD Price	OAD	YTD XSRet	Mkt Cap	6m Min	$_{ m Max}^{ m 6m}$	$_{\rm \%tile}^{\rm 6m}$
US Long Credit Index	166	120.61	-4.7	-0.59	-6.1	-2.6	-0	-1.3	-31	16.7	14.1	660	100%	152	179	54%
$\vdash AAA$	82	119.68	-3.1	-0.88	-3.9	-3.3	-1	-1.5	-11	15.1	15.7	295	3.3%	74	89	47%
$\vdash AA$	105	127.54	-2.8	-0.99	-3.3	-3.4	-0	-1.6	-15	15.9	14.7	345	9.3%	95	110	62%
⊢ A	127	122.87	-4.4	-0.67	-5.7	-2.8	-2	-1.3	-26	16.7	14.6	523	36%	116	140	42%
$\mathrel{\llcorner} BBB$	210	117.82	-5.5	-0.44	-7.1	-2.3	1	-1.3	-40	17.1	13.6	836	51%	193	227	60%
Financials	157	121.24	-5.4	-0.49	-6.4	-2.5	-1	-1.2	-45	18.0	13.4	800	14%	144	173	46%
Industrials	164	120.45	-4.6	-0.60	-5.7	-2.7	-0	-1.4	-29	16.5	14.3	616	78%	151	178	46%
$\mathrel{\ \ \sqsubseteq}$ ex Energy & M/M	155	120.64	-4.4	-0.65	-5.8	-2.7	-1	-1.3	-29	16.7	14.4	618	67%	144	171	40%
Utilities	135	120.09	-3.7	-0.76	-4.8	-2.9	-2	-1.2	-14	15.2	15.0	351	11%	124	146	43%
\vdash Electric	133	120.49	-3.6	-0.77	-4.8	-2.9	-2	-1.2	-14	15.1	15.0	344	9.5%	123	144	43%
\vdash Natural Gas	150	115.42	-3.6	-0.76	-4.7	-3.0	-2	-1.3	-19	15.7	15.7	454	0.9%	139	162	53%
$\ \ \ \ \ \ \ $ Other Utilities	141	121.11	-4.6	-0.60	-5.0	-3.0	-2	-1.3	-7	15.1	15.5	226	0.2%	131	155	37%

IG Corp Sectors							Daily: $\Delta 10/10$,			10,	WTD:	$\Delta 10$	/04,	MTD: $\Delta 09/30$		
	Close OAS	Close Price	Daily OAS	Daily Price	WTD OAS	WTD Price	MTD OAS	MTD Price	YTD OAS	YTD Price	OAD	YTD XSRet	Mkt Cap	6m Min	6m Max	6m %tile
Basics ∟ Metals & Mining	209 210	$120.75 \\ 125.49$	-5.7 -6.6	-0.43 -0.35	-6.9 -10.5	-2.3 -1.8	-1 -3	-1.1 -0.9	-28 -31	15.4 15.8	13.1 12.8	591 640	3.6% 1.5%	191 198	230 242	50% 43%
Capital Goods	157	116.63	-5.3	-0.51	-5.6	-2.7	-0	-1.4	-45	18.1	14.3	850	4.8%	148	177	23%
Communications ⊢ Cable Satellite ⊢ Media ∟ Wirelines/Wireless	180 187 174 179	121.82 120.88 125.32 121.29	-5.5 -6.9 -5.1 -5.0	-0.46 -0.22 -0.59 -0.52	-8.3 -11.0 -6.6 -7.6	-2.2 -1.8 -2.6 -2.3	-2 -5 -1 -0	-1.2 -0.7 -1.3 -1.3	-50 -48 -37 -55	18.8 19.3 17.6 19.0	13.7 13.9 13.8 13.6	951 913 778 1024	12% 3.1% 2.0% 7.4%	169 175 168 167	204 212 194 204	39% 37% 34% 38%
Consumer Cyclical ⊢ Autos ∟ Retailers	165 324 124	118.90 109.30 122.75	-5.7 -10.4 -5.0	-0.44 0.19 -0.58	-6.6 -8.3 -6.8	-2.6 -1.7 -2.7	-0 7 -2	-1.5 -2.1 -1.4	-28 -16 -28	16.4 10.5 17.6	14.4 11.9 14.9	575 481 566	4.2% 0.8% 2.4%	149 264 114	181 340 143	50% 94% 35%
Consumer Non-Cyclical Food & Bev Healthcare Managed Care Pharma Tobacco	164 171 163 182 140 250	117.84 117.53 117.20 114.89 120.03 109.01	-4.9 -5.1 -4.4 -5.1 -4.8 -8.0	-0.55 -0.51 -0.62 -0.50 -0.59 -0.02	-7.2 -8.0 -6.0 -6.9 -7.8	-2.5 -2.4 -2.8 -2.5 -2.4 -2.0	-2 -2 -2 -2 -3 2	-1.2 -1.3 -1.3 -1.2 -1.0 -1.6	-33 -56 -21 -8 -26 -36	17.4 20.1 16.3 13.3 16.9 15.7	14.8 14.7 15.4 14.8 14.8 13.9	722 1119 530 275 592 800	16% 4.5% 4.1% 2.8% 5.5% 1.2%	153 159 155 168 133 214	185 206 182 202 159 261	25% 17% 25% 52% 24% 85%
Energy ⊢ Independent ⊢ Integrated ⊢ Oil Field Services ⊢ Refining ∟ Midstream	219 234 140 221 209 242	118.26 119.33 122.11 113.64 122.23 116.28	-6.2 -6.1 -6.1 -5.8 -4.3 -6.6	-0.34 -0.37 -0.35 -0.47 -0.67 -0.26	-3.4 -1.4 -5.3 -4.8 -4.0 -3.5	-2.8 -2.9 -2.8 -2.7 -2.8 -2.8	5 8 -0 0 2 6	-2.0 -2.1 -1.4 -1.4 -1.7 -2.3	-27 -25 -34 -12 -42 -25	15.2 13.7 18.3 13.2 18.0 14.7	13.3 12.2 14.3 13.8 13.0 13.4	571 518 641 379 782 559	9.1% 2.3% 1.5% 0.5% 0.5% 4.2%	178 169 122 177 175 203	227 241 154 244 221 250	84% 92% 58% 64% 67% 87%
Industrial Other ∟ Universities Technology	126 97 127	119.68 124.09 119.46	-4.5 -1.1	-0.62 -1.26 -0.61	-4.9 -1.3 -6.6	-3.0 -4.9	-0 -0	-1.5 -2.4 -1.2	-17 -13	15.5 20.3 17.9	15.1 19.9 15.4	373 386 621	0.2% 0.7% 6.9%	119 92 118	141 101 148	31% 61% 30%
Transportation	147	115.71	-4.5	-0.59	-5.4	-2.9	-0	-1.6	-17	15.4	15.5	371	3.2%	129	155	71%

IG Non-Corp Sectors

	Close OAS	Close Price	Daily OAS	Daily Price	WTD OAS	WTD Price	MTD OAS	MTD Price	YTD OAS	YTD Price	OAD	YTD XSRet	Mkt Cap	6m Min	$_{ m Max}^{ m 6m}$	$_{\rm \%tile}^{\rm 6m}$
Gov Owned, No Guar	401	106.77	-7.5	-0.18	-13.3	-1.2	14	-1.1	5	12.7	12.0	842	2.0%	335	416	94%
Gov Guarantee	29	76.44	-1.4	-0.87	-5.3	-2.0	-4	-0.6	-23	13.0	15.0	505	0.2%	28	37	2%
Munis	130	137.18	-0.1	-1.39	1.0	-3.9	3	-1.8	-13	14.4	12.2	296	5.6%	117	130	98%
Sovereigns	153	127.69	-4.5	-0.74	-10.9	-2.0	-9	-0.0	-47	18.6	14.0	887	4.9%	145	183	20%
Supranational	23	121.92	-2.1	-1.11	-1.9	-3.5	1	-1.5	-7	14.1	13.1	150	0.2%	20	28	20%

IG Fin Sectors												2-Z move tighter 2-Z move wice					
	Close OAS	Close Price	Daily OAS	Daily Price	WTD OAS	WTD Price	MTD OAS	MTD Price	YTD OAS	YTD Price	OAD	YTD XSRet	Mkt Cap	6m Min	6m Max	$_{\rm \%tile}^{\rm 6m}$	
Banks	154	123.64	-6.1	-0.39	-6.9	-2.4	-2	-1.1	-50	18.3	13.0	855	8.5%	140	170	52%	
\vdash US SIFI Banks (Sr)	136	121.40	-5.5	-0.42	-5.8	-2.6	-1	-1.2	-48	17.9	13.4	817	2.9%	121	153	55%	
\vdash US SIFI Banks (Sub)	178	129.05	-6.2	-0.41	-7.3	-2.5	-3	-1.0	-53	20.1	13.2	950	2.0%	160	194	61%	
	162	125.86	-5.7	-0.46	-6.5	-2.6	-3	-0.9	-39	18.0	13.7	746	1.4%	147	176	64%	
${\bf Brokers/AssetMngr}$	187	116.41	-5.0	-0.49	-5.4	-2.7	1	-1.5	-30	15.8	14.6	612	0.4%	172	203	49%	
Fin. Companies	224	105.60	-9.8	0.01	-8.3	-1.8	2	-1.3	-91	20.5	11.5	1462	0.5%	216	269	■ 10%	
Life	177	120.14	-4.2	-0.66	-6.4	-2.5	-1	-1.3	-40	17.6	13.9	751	1.8%	160	188	52%	
P&C	138	122.63	-4.1	-0.71	-4.8	-3.0	-1	-1.5	-25	17.0	15.0	487	2.0%	126	150	49%	
REITs	144	110.67	-2.9	-0.78	-4.6	-2.7	-2	-1.1	-29	16.8	13.3	579	1.1%	135	154	42%	