Daily Note Markets through the lens of ETFs™

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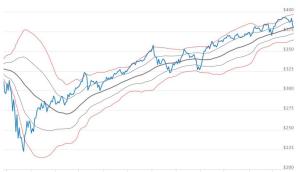


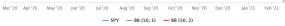


U.S. Size & Style

S&P 500















U.S. Size & Style 1-Day Performance



1-Day Leaders

Ticker	Name	Return
QMOM	Alpha Architect U.S. Quantitative Momentum ETF	2.09%
ENTR	ERShares Entrepreneur 30 ETF	1.85%
FFTY	Innovator IBD 50 ETF	1.81%
DWEQ	AdvisorShares Dorsey Wright Alpha Equal Weight ETF	1.71%
QQQN	VictoryShares Nasdaq Next 50 ETF	1.64%
QQQJ	Invesco NASDAQ Next Gen 100 ETF	1.60%
FPX	First Trust US Equity Opportunities ETF	1.58%
IPO	Renaissance IPO ETF	1.38%
ЈКН	iShares Morningstar Mid-Cap Growth ETF	1.22%
VFMO	Vanguard U.S. Momentum Factor ETF	1.12%
PDP	Invesco DWA Momentum ETF	1.01%

1-Day Laggards

Ticker	Name	Return
HDV	iShares Core High Dividend ETF	-2.01%
DJD	Invesco Dow Jones Industrial Average Dividend ETF	-1.88%
DIV	Global X SuperDividend US ETF	-1.78%
DHS	WisdomTree U.S. High Dividend Fund	-1.74%
JKF	iShares Morningstar Large Cap Value ETF	-1.71%
FLV	American Century Focused Large Cap Value ETF	-1.71%
PEY	Invesco High Yield Equity Dividend Achievers ETF	-1.68%
SPHD	Invesco S&P 500 High Dividend Low Volatility ETF	-1.65%
CLRG	IQ Chaikin U.S. Large Cap ETF	-1.64%
SPYD	SPDR Portfolio S&P 500 High Dividend ETF	-1.60%
DVY	iShares Select Dividend ETF	-1.58%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
SYLD	Cambria Shareholder Yield ETF	72.05
SLYV	SPDR S&P 600 Small Cap Value ETF	63.47
ALTL	Pacer Lunt Large Cap Alternator ETF	63.46
IJS	iShares S&P Small-Cap 600 Value ETF	63.33
SPHB	Invesco S&P 500 High Beta ETF	63.14
RZV	Invesco S&P Smallcap 600 Pure Value ETF	63.10
VIOV	Vanguard S&P Small-Cap 600 Value ETF	63.01
RDIV	Invesco S&P Ultra Dividend Revenue ETF	62.67
ONEY	SPDR Russell 1000 Yield Focus ETF	62.54
RPV	Invesco S&P 500 Pure Value ETF	60.80
SMLV	SPDR SSGA US Small Cap Low Volatility Index ETF	60.71

Most Oversold (14-Day RSI)

Ticker	Name	RSI
SPLV	Invesco S&P 500 Low Volatility ETF	31.67
RBUS	Nationwide Risk-Based U.S. Equity ETF	33.76
HUSV	First Trust Horizon Managed Volatility Domestic ETF	34.76
DEF	Invesco Defensive Equity ETF	34.77
USMV	iShares MSCI USA Min Vol Factor ETF	35.54
QLV	FlexShares US Quality Low Volatility Index Fund	35.57
OUSA	OShares U.S. Quality Dividend ETF	35.59
DVOL	First Trust Dorsey Wright Momentum & Low Volatility ETF	36.52
USMC	Principal U.S. Mega-Cap ETF	36.77
VSMV	VictoryShares US Multi-Factor Minimum Volatility ETF	36.91
IWY	iShares Russell Top 200 Growth ETF	36.99

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U.S. Sectors & Industries

S&P Sector & Industry 1-Day Performance

Internet (XWEB)	
Semiconductor (XSD)	
Homebuilders (XHB)	
Biotech (XBI)	0.
Technology (XLK)	.5
Cons Discretionary (XLY)	0.4
Comm Svcs (XLC)	0 .3
Health Care Equipment (XHE)	0.02
Health Care Svcs (XHS)	-0.08%
Transportation (XTN)	-0.12%
Software & Svcs (XSW)	-0.16%
Retail (XRT)	-0.44%
S&P 500 (SPY)	-0.52%
Telecom (XTL)	-0.75%
Insurance (KIE)	-0.79%
Health Care (XLV)	-0.86%
Pharmaceuticals (XPH)	-0.89%
Capital Mkts (KCE)	-0.97%
Industrial (XLI)	-1.04%
Oil & Gas Equip. & Svcs (XES)	-1.05%
Materials (XLB)	-1.28%
Aerospace & Defense (XAR)	-1.55%
Cons Staples (XLP)	-1.62%
Real Estate (XLRE)	-1.74%
Utilities (XLU)	-1.85%
Financials (XLF)	-1.91%
Banks (KBE)	-2.09%
Oil & Gas Expl. & Prod (XOP)	-2.23%
Regional Banking (KRE)	-2.31%
Energy (XLE)	-2.37%
Metals & Minging (XME)	-4.12%
	-5. 0% -4. 0% -2. 0% -1. 0% -1. 0%

41% 2.11% 1.36% 0.76% 0.53% 0.42% 0.39% 0.02% 8% .2% .6%

2.0%

3.0%

Select Sector SPDRs Technicals

Ticker	Fund Name	% From 52W	% From 52W	% Abv/Below 50	% Abv/Below	RSI (14D)
		High	Low	SMA	200 SMA	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
XLC	Communication Services Select Sector SPDR Fund	-2.71%	77.95%	3.81%	15.08%	53.78
XLI	Industrial Select Sector SPDR Fund	-2.86%	85.79%	1.92%	13.04%	53.96
XLRE	Real Estate Select Sector SPDR Fund	-3.34%	46.66%	1.21%	3.41%	44.55
XLF	Financial Select Sector SPDR Fund	-3.70%	82.96%	5.54%	22.08%	58.75
XLE	Energy Select Sector SPDR Fund	-4.26%	104.29%	13.85%	28.69%	63.76
XLV	Health Care Select Sector SPDR Fund	-4.97%	50.91%	-2.25%	4.20%	35.49
XLB	Materials Select Sector SPDR Fund	-5.07%	91.79%	-0.28%	11.56%	47.03
XLK	Technology Select Sector SPDR Fund	-5.70%	85.64%	-1.01%	10.47%	41.49
XLY	Consumer Discretionary Select Sector SPDR Fund	-6.96%	84.28%	-2.84%	8.10%	36.26
XLP	Consumer Staples Select Sector SPDR Fund	-7.12%	30.17%	-3.80%	-1.20%	27.90
XLU	Utilities Select Sector SPDR Fund	-12.58%	29.89%	-5.97%	-4.55%	27.54

1-Day Leaders

Ticker	Name	Return
PEZ	Invesco DWA Consumer Cyclicals Momentum ETF	2.95%
FTXL	First Trust Nasdaq Semiconductor ETF	2.90%
PTF	Invesco DWA Technology Momentum ETF	2.68%
XWEB	SPDR S&P Internet ETF	2.41%
SOXX	iShares PHLX Semiconductor ETF	2.28%
PEJ	Invesco Dynamic Leisure & Entertainment ETF	2.19%
XSD	SPDR S&P Semiconductor ETF	2.11%
ITB	iShares U.S. Home Construction ETF	2.00%
PSI	Invesco Dynamic Semiconductors ETF	1.99%
PBS	Invesco Dynamic Media ETF	1.94%
PSJ	Invesco Dynamic Software ETF	1.79%

1-Day Laggards

Ticker	Name	Return
XME	SPDR S&P Metals & Mining ETF	-4.12%
MLPX	Global X MLP & Energy Infrastructure ETF	-3.36%
FXU	First Trust Utilities AlphaDEX Fund	-3.17%
TPYP	Tortoise North American Pipeline Fund	-3.17%
AMZA	InfraCap MLP ETF	-3.16%
AMNA	ETRACS Alerian Midstream Energy Index ETN	-2.85%
MLPB	ETRACS Alerian MLP Infrastructure Index ETN Series B	-2.81%
AMLP	Alerian MLP ETF	-2.77%
IAT	iShares U.S. Regional Banks ETF	-2.70%
FTXO	First Trust Nasdaq Bank ETF	-2.66%
KBWB	Invesco KBW Bank ETF	-2.60%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
PEJ	Invesco Dynamic Leisure & Entertainment ETF	69.30
BIZD	VanEck Vectors BDC Income ETF	68.80
XTN	SPDR S&P Transportation ETF	66.66
IEO	iShares U.S. Oil & Gas Exploration & Production ETF	63.72
XLE	Energy Select Sector SPDR Fund	63.68
VDE	Vanguard Energy ETF	63.66
RYE	Invesco S&P 500 Equal Weight Energy ETF	63.58
FTXO	First Trust Nasdaq Bank ETF	63.35
XES	SPDR S&P Oil & Gas Equipment & Services ETF	63.33
IEZ	iShares U.S. Oil Equipment & Services ETF	63.29
FENY	Fidelity MSCI Energy Index ETF	63.24

Most Oversold (14-Day RSI)

Ticker	Name	RSI
FUTY	Fidelity MSCI Utilities Index ETF	28.19
VPU	Vanguard Utilities ETF	28.25
IDU	iShares U.S. Utilities ETF	28.36
XLU	Utilities Select Sector SPDR Fund	28.52
XLP	Consumer Staples Select Sector SPDR Fund	28.90
FXU	First Trust Utilities AlphaDEX Fund	30.21
RYU	Invesco S&P 500 Equal Weight Utilities ETF	30.31
FSTA	Fidelity MSCI Consumer Discretionary Index ETF	31.10
VDC	Vanguard Consumer Staples ETF	31.13
PUI	Invesco DWA Utilities Momentum ETF	32.31
IYK	iShares U.S. Consumer Goods ETF	33.32

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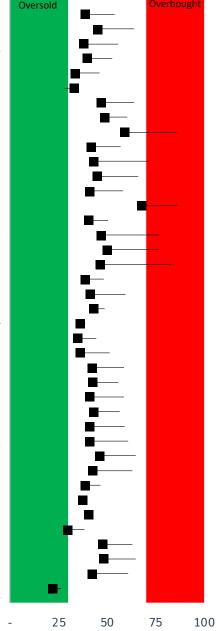


Global Themes

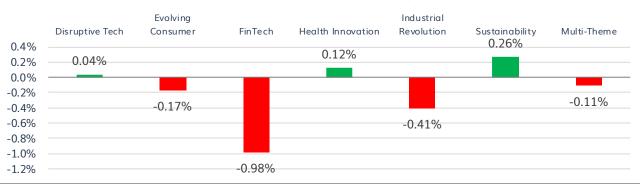
Sector 14-Day RSI

(1-week slide)

Disruptive Tech Big Data Cloud Computing Connectivity Cyber Security Digital Infrastructure **Evolving Consumer** Cannabis Casinos & Gaming Emerging Health & Wellness Online Retail Pet Ownership Travel Tech eSports & Video Games FinTech Blockchain **Digital Payments** Health Innovation Aging Population Biotech Cancer Immunotherapy Genomics Telemedicine & Digital Health Industrial Revolution **3D** Printing Advanced Materials NextGen Transportation Robotics & Al Security & Defense Space Multi Sustainability Clean Energy: Broad-Based Clean Energy: Solar Clean Energy: Wind Smart Infrastructure Waste Management Water Yield Cos



Average Thematic Segment 1-Day Performance



1-Day Leaders

Ticker	Name	Return
TAN	Invesco Solar ETF	3.76%
IBUY	Amplify Online Retail ETF	3.50%
AWAY	ETFMG Travel Tech ETF	2.60%
QCLN	First Trust Nasdaq Clean Edge Green Energy Index Fund	2.55%
ONLN	ProShares Online Retail ETF	1.93%
CTEC	Global X CleanTech ETF	1.80%
LIV	Emles (a)Home ETF	1.72%
EBIZ	Global X E-Commerce ETF	1.50%
BUYZ	Franklin Disruptive Commerce ETF	1.47%
GIGE	SoFi Gig Economy ETF	1.44%
MILN	Global X Millennials Thematic ETF	1.44%

1-Day Laggards

Ticker	Name	Return
POTX	Global X Cannabis ETF	-2.99%
BLOK	Amplify Transformational Data Sharing ETF	-2.93%
TOKE	Cambria Cannabis ETF	-2.16%
CNBS	Amplify Seymour Cannabis ETF	-2.02%
THCX	Cannabis ETF	-1.98%
INCO	Columbia India Consumer ETF	-1.93%
NERD	Roundhill BITKRAFT Esports & Digital Entertainment ETF	-1.92%
GAMR	Wedbush ETFMG Video Game Tech ETF	-1.91%
HERO	Global X Video Games & Esports ETF	-1.54%
OLD	Janus Henderson Long-Term Care ETF	-1.53%
LEGR	First Trust Indxx Innovative Transaction & Process ETF	-1.50%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
AWAY	ETFMG Travel Tech ETF	67.69
ВЖ	VanEck Vectors Gaming ETF	64.63
FMIL	Fidelity New Millennium ETF	57.65
BETZ	Roundhill Sports Betting & iGaming ETF	53.41
BLCN	Siren ETF Trust Siren Nasdaq NexGen Economy ETF	53.23
BLOK	Amplify Transformational Data Sharing ETF	52.69
CNBS	Amplify Seymour Cannabis ETF	51.11
REMX	VanEck Vectors Rare Earth/Strategic Metals ETF	50.65
YOLO	AdvisorShares Pure Cannabis ETF	50.55
IBUY	Amplify Online Retail ETF	50.53
FIW	First Trust Water ETF	50.03

Most Oversold (14-Day RSI)

Ticker	Name	RSI
FAN	First Trust Global Wind Energy ETF	29.43
CIBR	First Trust NASDAQ Cybersecurity ETF	32.21
ARKG	ARK Genomic Revolution ETF	32.49
HACK	ETFMG Prime Cyber Security ETF	32.62
ICLN	iShares Global Clean Energy ETF	32.93
SRVR	Pacer Benchmark Data & Infrastructure Real Estate SCTR E	33.12
LNGR	Global X Longevity Thematic ETF	33.54
CLOU	Global X Cloud Computing ETF	33.67
HELX	Franklin Genomic Advancements ETF	34.30
KGRN	KraneShares MSCI China Environment Index ETF	34.34
IHAK	iShares Cybersecurity & Tech ETF	34.45

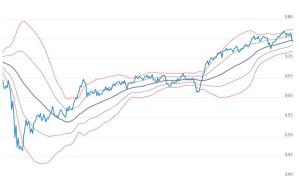
**RSI data uses group averages

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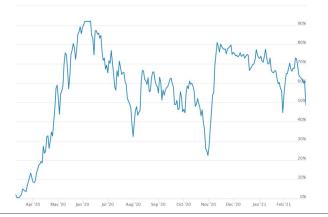




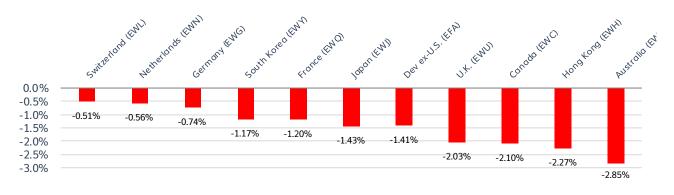




Holdings Above 50 DMA (EFA)



Top 10 Dev ex-U.S. Countries' 1-Day Performance



1-Day Leaders

Ticker	Name	Return
GREK	Global X MSCI Greece ETF	2.30%
ISRA	VanEck Vectors Israel ETF	0.21%
HSCZ	iShares Currency Hedged MSCI EAFE Small-Cap ETF	-0.13%
HEWG	iShares Currency Hedged MSCI Germany ETF	-0.13%
EWS	iShares MSCI Singapore ETF	-0.27%
HEDJ	WisdomTree Europe Hedged Equity Fund	-0.31%
EIS	iShares MSCI Israel ETF	-0.33%
HEZU	iShares Currency Hedged MSCI Eurozone ETF	-0.34%
TOK	iShares MSCI Kokusai ETF	-0.38%
DBEU	Xtrackers MSCI Europe Hedged Equity ETF	-0.39%
LVHI	Legg Mason International Low Volatility High Dividend ETF	-0.41%

1-Day Laggards

Ticker	Name	Return
EWA	iShares MSCI Australia ETF	-2.85%
BBAX	JPMorgan BetaBuilders Developed Asia ex-Japan ETF	-2.43%
EWH	iShares MSCI Hong Kong ETF	-2.27%
EPP	iShares MSCI Pacific ex-Japan ETF	-2.23%
EWC	iShares MSCI Canada ETF	-2.10%
ZCAN	SPDR Solactive Canada ETF	-2.04%
EWU	iShares MSCI United Kingdom ETF	-2.03%
FLGB	Franklin FTSE United Kingdom ETF	-1.95%
FGM	First Trust Germany AlphaDEX Fund	-1.90%
IVAL	Alpha Architect International Quantitative Value ETF	-1.88%
IDV	iShares International Select Dividend ETF	-1.86%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
PDEV	Principal International Multi-Factor ETF	61.02
FIDI	Fidelity International High Dividend ETF	58.03
GREK	Global X MSCI Greece ETF	57.28
FDD	First Trust Stoxx European Select Dividend Index Fund	53.63
EWUS	iShares MSCI United Kingdom Small Cap ETF	53.36
DFE	WisdomTree Europe SmallCap Dividend Fund	53.15
IQIN	IQ 500 International ETF	52.12
AVDV	Avantis International Small Cap Value ETF	51.34
EIRL	iShares MSCI Ireland ETF	51.24
IDV	iShares International Select Dividend ETF	51.12
FNDF	Schwab Fundamental International Large Co. Index ETF	51.10

Most Oversold (14-Day RSI)

Ticker	Name	RSI
ENZL	iShares MSCI New Zealand ETF	28.10
QLVD	FlexShares Developed Markets ex-US Quality Low Volatility	28.67
EFAV	iShares MSCI EAFE Min Vol Factor ETF	29.07
RBIN	Nationwide Risk-Based International Equity ETF	30.97
EWL	iShares MSCI Switzerland ETF	31.90
EFAD	ProShares MSCI EAFE Dividend Growers ETF	32.32
IDLV	Invesco S&P International Developed Low Volatility ETF	33.06
IMOM	Alpha Architect International Quantitative Momentum ETF	33.82
EFG	iShares MSCI EAFE Growth ETF	34.72
IDHQ	Invesco S&P International Developed High Quality ETF	35.86
PIZ	Invesco DWA Developed Markets Momentum ETF	36.44

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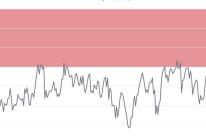


EM & Frontier Equity Markets

Emerging (EEM)



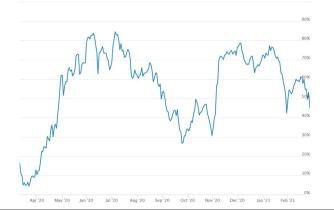


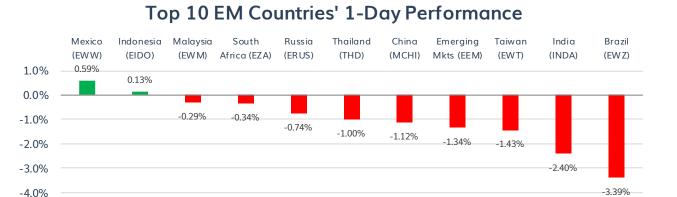






Holdings Above 50 DMA (EEM)





1-Day Leaders

Ticker	Name	Return
EPHE	iShares MSCI Philippines ETF	1.80%
VNM	VanEck Vectors Vietnam ETF	1.15%
EWW	iShares MSCI Mexico ETF	0.59%
EIDO	iShares MSCI Indonesia ETF	0.13%
QAT	iShares MSCI Qatar ETF	0.11%
EEMS	iShares MSCI Emerging Markets Small Cap ETF	-0.05%
FM	iShares MSCI Frontier 100 ETF	-0.07%
ECNS	iShares MSCI China Small-Cap ETF	-0.08%
EYLD	Cambria Emerging Shareholder Yield ETF	-0.19%
EWX	SPDR S&P Emerging Markets Small Cap ETF	-0.20%
EWM	iShares MSCI Malaysia ETF	-0.29%

1-Day Laggards

Ticker	Name	Return
EWZ	iShares MSCI Brazil ETF	-3.39%
EPU	iShares MSCI Peru ETF	-3.26%
FEM	First Trust Emerging Markets AlphaDEX Fund	-2.92%
INDY	iShares India 50 ETF	-2.90%
FLBR	Franklin FTSE Brazil ETF	-2.88%
ECH	iShares MSCI Chile ETF	-2.82%
BRF	VanEck Vectors Brazil Small-Cap ETF	-2.76%
EWZS	iShares MSCI Brazil Small-Cap ETF	-2.69%
EPI	WisdomTree India Earnings Fund	-2.42%
INDA	iShares MSCI India ETF	-2.40%
GLIN	VanEck Vectors India Growth Leaders ETF	-2.29%

Most Overbought (14-Day RSI)

Ticker	Name	RSI
SMIN	iShares MSCI India Small Cap ETF	60.98
EYLD	Cambria Emerging Shareholder Yield ETF	57.52
EWX	SPDR S&P Emerging Markets Small Cap ETF	54.86
DGS	WisdomTree Emerging Markets SmallCap Dividend Fund	52.40
KSA	iShares MSCI Saudi Arabia ETF	52.00
EEMS	iShares MSCI Emerging Markets Small Cap ETF	51.58
EDIV	SPDR S&P Emerging Markets Dividend ETF	51.43
EELV	Invesco S&P Emerging Markets Low Volatility ETF	51.25
EWT	iShares MSCI Taiwan ETF	51.01
EPU	iShares MSCI Peru ETF	50.96
ECNS	iShares MSCI China Small-Cap ETF	49.82

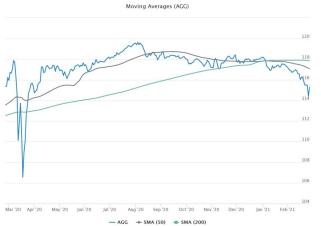
Most Oversold (14-Day RSI)

Ticker	Name	RSI
FLBR	Franklin FTSE Brazil ETF	32.09
EWZ	iShares MSCI Brazil ETF	32.15
BRF	VanEck Vectors Brazil Small-Cap ETF	33.52
CNXT	VanEck Vectors ChinaAMC SME-ChiNext ETF	34.18
ILF	iShares Latin America 40 ETF	34.97
EWZS	iShares MSCI Brazil Small-Cap ETF	35.42
TUR	iShares MSCI Turkey ETF	35.44
KBA	KraneShares Bosera MSCI China A Share ETF	35.49
GLIN	VanEck Vectors India Growth Leaders ETF	35.94
CNYA	iShares MSCI China A ETF	36.14
LDEM	iShares ESG MSCI EM Leaders ETF	36.19

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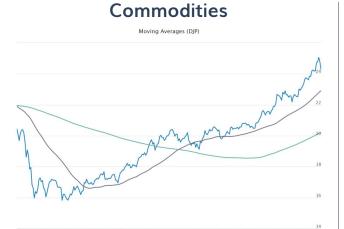


Fixed Income





Ticker	Name	1-Day	l-M	YTD
AGG	U.S. Aggregate	0.81%	-1.52%	-2.25%
SHY	1-3 Year Treasury Bonds	0.13%	-0.06%	-0.03%
IEF	7-10 Year Treasury Bonds	0.90%	-2.36%	-3.43%
TLT	20+ Year Treasury Bonds	3.31%	-5.73%	-9.16%
TIP	TIPS Bonds	1.24%	-1.69%	-1.43%
FLOT	Floating Rate Bonds	0.03%	0.06%	0.30%
LQD	Investment Grade Corporate	1.33%	-2.26%	-4.05%
HYG	High Yield Corporate	-0.30%	-0.25%	-0.62%
BKLN	Senior Loan	-0.05%	0.19%	0.21%
PFF	Preferred & Income Securities	0.59%	-0.88%	-2.58%
MUB	Municipal Bonds	0.25%	-1.56%	-1.22%
MBB	MBS	0.22%	-0.86%	-0.72%
EMB	Dollar Denominated EM Bonds	0.45%	-3.05%	-4.77%
LEMB	Local Currency EM Bonds	-0.55%	-2.39%	-3.43%





Ticker	Name	1-Day	1-M	YTD
DJP	Broad Commodities	-1.98%	7.68%	10.78%
DBE	Energy	-2.01%	14.75%	21.59%
USO	WTI Crude Oil	-2.71%	17.42%	25.14%
BNO	Brent Crude Oil	-2.41%	17.90%	25.78%
UNG	Natural Gas	0.10%	9.67%	12.17%
UGA	Gasoline	-1.26%	16.79%	28.75%
DBP	Precious Metals	-2.51%	-4.99%	-7.51%
GLD	Gold	-2.42%	-6.26%	-9.28%
SLV	Silver	-2.91%	-1.32%	0.37%
PPLT	Platinum	-2.92%	10.74%	10.42%
PALL	Palladium	-4.12%	4.15%	-5.47%
DBB	Base Metals	-2.91%	11.11%	8.34%
CPER	Copper	-3.91%	14.56%	15.50%
LD	Lead	-3.03%	2.62%	4.65%
JJN	Nickel	-1.07%	5.06%	12.19%
JJU	Aluminum	-3.20%	9.18%	8.34%
JJT	Tin	-5.25%	14.89%	28.74%
DBA	Agriculture	-1.42%	5.55%	7.19%
CORN	Corn	-0.26%	1.98%	10.49%
SOYB	Soybeans	-0.28%	4.51%	8.22%
WEAT	Wheat	-2.48%	-0.16%	1.62%
CANE	Sugar	-2.55%	7.74%	10.30%
BAL	Cotton	-0.28%	8.63%	12.08%
NIB	Cocoa	-0.57%	8.68%	5.58%
JO	Coffee	-1.23%	9.51%	5.29%





Ticker	Name	1-Day	1-M	YTD
UUP	Long Dollar	0.74%	0.41%	1.16%
UDN	Short Dollar	-0.78%	-0.46%	-1.29%
FXE	Euro	-0.83%	-0.64%	-1.39%
FXB	British Pound Sterling	-0.57%	1.68%	1.82%
FXF	Swiss Franc	-0.36%	-2.14%	-2.89%
FXY	Japanese Yen	-0.28%	-1.75%	-3.24%
FXC	Canadian Dollar	-0.95%	0.47%	-0.09%
FXA	Australian Dollar	-2.21%	0.72%	-0.24%

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Source Data

FactSet Research Systems



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