



The option classes listed below will begin trading on the MIAX Options Exchange at the start of trading on **Monday, July 13, 2015**.

Security Symbol	Security Name	Option Class	Price Programs	Expiration Programs	Penny Pilot	Allocation Style	Billing Style	Exchange for Opening	Closing Time	PLMM	Cloud
AAVL	Avalanche Biotechnologies, Inc.	AAVL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	1
AAWW	Atlas Air Worldwide Holdings, Inc.	AAWW	\$2.50	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	1
ABMD	ABIOMED, Inc.	ABMD	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	1
ABTL	Autobyte Inc.	ABTL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	1
ACAT	Arctic Cat Inc.	ACAT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ACLS	Axcelis Technologies, Inc.	ACLS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	1
AERI	Aerie Pharmaceuticals, Inc.	AERI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	1
AHS	AMN Healthcare Services Inc.	AHS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	1
AI	Arlington Asset Investment Corp.	AI	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	1
ALGT	Allegiant Travel Company	ALGT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	1
AM	Antero Midstream Partners LP	AM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	1
ANTH	Anthera Pharmaceuticals, Inc.	ANTH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	1
ANY	Sphere 3D Corp	ANY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1



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AOS	A.O. Smith Corporation	AOS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	1
APRI	Apricus Biosciences, Inc	APRI	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	1
ARMK	Aramark	ARMK	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	1
ASHR	Deutsche X-Trackers Harvest CSI 300 China A Shares ETF	ASHR	Idx Link	STO	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Wolverine Trading, LLC	1
ATNM	Actinium Pharmaceuticals, Inc.	ATNM	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Citadel Securities, LLC	1
ATSG	Air Transport Services Group, Inc.	ATSG	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
ATU	Actuant Corporation	ATU	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	1
AUO	AU Optronics Corp.	AUO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Group One Trading LP	1
AVD	American Vanguard Corporation	AVD	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	1
AVEO	AVEO Pharmaceuticals, Inc.	AVEO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	1
AVH	Avianca Holdings S.A.	AVH	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Group One Trading LP	1
AXON	Axovant Sciences Ltd.	AXON	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	1
AXS	Axis Capital Holdings Limited	AXS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	1
AXTA	Axalta Coating Systems Ltd.	AXTA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	1



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AZPN	Aspen Technology, Inc.	AZPN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	1
BDE	Black Diamond, Inc.	BDE	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	2
BFB	Brown-Forman Corporation	BFB	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	2
BLCM	Bellicum Pharmaceuticals, Inc.	BLCM	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	2
BLDR	Builders FirstSource, Inc.	BLDR	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	2
BLL	Ball Corporation	BLL	\$2.50	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Timber Hill, LLC	2
BMA	Banco Macro S.A.	BMA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	2
BPFH	Boston Private Financial Holding Inc.	BPFH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	2
BRLI	Bio-Reference Laboratories, Inc	BRLI	\$2.50	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	2
BRS	Bristow Group Inc.	BRS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	2
BSQR	BSQUARE Corporation	BSQR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	2
BTX	BioTime, Inc.	BTX	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Group One Trading LP	2
BXMT	Blackstone Mortgage Trust, Inc.	BXMT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	2
CALX	Calix, Inc.	CALX	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Group One Trading LP	3
CAMT	Camtek Ltd.	CAMT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3



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CATM	Cardtronics, Inc.	CATM	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	3
CBM	Cambrex Corporation	CBM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	3
CCOI	Cogent Communications Holdings, Inc.	CCOI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	3
CFG	Citizens Financial Group, Inc.	CFG	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CHU	China Unicom (Hong Kong) Ltd.	CHU	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	3
CLDN	Celladon Corporation	CLDN	\$0.50	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CLFD	Clearfield, Inc.	CLFD	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3
CLIR	ClearSign Combustion Corporation	CLIR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	3
CLS	Celestica, Inc.	CLS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	3
CMCM	Cheetah Mobile Inc.	CMCM	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	3
CMLS	Cumulus Media Inc.	CMLS	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	3
CONE	CyrusOne Inc.	CONE	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	3
CORT	Corcept Therapeutics Incorporated	CORT	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	3
COT	Cott Corporation	COT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	3



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CRC	California Resources Corporation	CRC	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	3
CRMD	CorMedix Inc.	CRMD	Standard	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Susquehanna Securities	3
CTCT	Constant Contact, Inc.	CTCT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	3
CTSO	CYTOSORBENTS CORP.	CTSO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	3
CYNO	Cynosure, Inc.	CYNO	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	3
CYT	Cytec Industries Inc.	CYT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	3
DCTH	Delcath Systems, Inc.	DCTH	\$1.00	Standard	Yes	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	4
DFE	WisdomTree Europe SmallCap Dividend Fund	DFE	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Wolverine Trading, LLC	4
DFRG	Del Frisco's Restaurant Group, Inc.	DFRG	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Citadel Securities, LLC	4
DFT	Dupont Fabros Technology, Inc.	DFT	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	4
DHX	DHI Group, Inc.	DHX	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Group One Trading LP	4
DK	Delek US Holdings, Inc.	DK	\$2.50	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	4
DNN	Denison Mines Corp.	DNN	\$1.00	Standard	No	Pro-Rata	Conventional	NYSE MKT	4:00	Group One Trading LP	4
DPLO	Diplomat Pharmacy, Inc.	DPLO	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	4



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DPM	DCP Midstream Partners, LP	DPM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	4
DRRX	DURECT Corporation	DRRX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	4
DTE	DTE Energy Company	DTE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	4
DY	Dycom Industries, Inc.	DY	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	4
EIGI	Endurance International Group Holdings, Inc.	EIGI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	5
ELGX	Endologix, Inc.	ELGX	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	5
ENS	Energys	ENS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	5
ENTG	Entegris, Inc.	ENTG	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	5
ENV	Envestnet, Inc.	ENV	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	5
ENVA	Enova International, Inc.	ENVA	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	5
EPAM	EPAM Systems, Inc.	EPAM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	5
EPZM	Epizyme, Inc.	EPZM	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	5
EQM	EQT Midstream Partners, LP	EQM	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	5
ERJ	Embraer S.A.	ERJ	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	5



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ESPR	Esperion Therapeutics, Inc.	ESPR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	5
ETSY	Etsy, Inc.	ETSY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Timber Hill, LLC	5
EUFN	iShares MSCI Europe Financials ETF	EUFN	Idx Link	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	5
EZA	iShares MSCI South Africa Index	EZA	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Wolverine Trading, LLC	5
FIS	Fidelity National Information Services, Inc.	FIS	Standard	Standard	Yes	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	6
FIT	Fitbit Inc.	FIT	\$1.00	STO	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	6
FLDM	Fluidigm Corporation	FLDM	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	6
FNGN	Financial Engines, Inc.	FNGN	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	6
FRC	First Republic Bank	FRC	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	6
FRPT	Freshpet, Inc.	FRPT	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	6
FRSH	Papa Murphy's Holdings, Inc.	FRSH	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	6
FUN	Cedar Fair, L.P.	FUN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	6
FXCM	FXCM Inc.	FXCM	\$0.50, \$1.00, \$1.00 LTO	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	6
GEVO	Gevo, Inc.	GEVO	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	7



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GMLP	Golar LNG Partners LP	GMLP	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	7
GNE	Genie Energy Ltd.	GNE	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Morgan Stanley	7
GPK	Graphic Packaging Holding Company	GPK	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	7
GPN	Global Payments Inc.	GPN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Wolverine Trading, LLC	7
GTN	Gray Television, Inc.	GTN	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Goldman Sachs	7
GURE	Gulf Resources, Inc.	GURE	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	7
GWR	Genesee & Wyoming Inc.	GWR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Citadel Securities, LLC	7
HABT	Habit Restaurants, Inc.	HABT	\$1.00	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Morgan Stanley	8
HACK	PureFunds ISE Cyber Security ETF	HACK	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Citadel Securities, LLC	8
HAO	Guggenheim China Small Cap ETF	HAO	Idx Link	Standard	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Morgan Stanley	8
HEDJ	WisdomTree Europe Hedged Equity Fund	HEDJ	Idx Link	STO	No	Pro-Rata	Conventional	NYSE ARCA	4:00	Goldman Sachs	8
HIFR	InfraREIT, Inc.	HIFR	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Group One Trading LP	8
HII	Huntington Ingalls Industries, Inc.	HII	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	8
HILL	Dot Hill Systems Corp.	HILL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	8
HLS	HealthSouth Corp.	HLS	Standard	Standard	No	Pro-Rata	Conventional	NYSE	4:00	Susquehanna Securities	8



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HMHC	Houghton Mifflin Harcourt Co.	HMHC	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	8
HOLI	Hollysys Automation Technologies Ltd.	HOLI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	8
HQCL	Hanwha Q CELLS Co., Ltd.	HQCL	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Group One Trading LP	8
HQY	HealthEquity, Inc.	HQY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	8
HRTX	Heron Therapeutics, Inc.	HRTX	\$2.50	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	8
HSNI	HSN, Inc.	HSNI	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Wolverine Trading, LLC	8
HTWR	Heartware International, Inc.	HTWR	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Susquehanna Securities	8
HWAY	Healthways, Inc.	HWAY	Standard	Standard	No	Pro-Rata	Conventional	NASDAQ	4:00	Goldman Sachs	8

Please contact MIAX Options Listings with any questions.

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