



The option class listed below will begin trading on the MIAX Emerald Exchange at the start of trading on **Friday, November 1, 2019**. All option classes on MIAX Emerald have an allocation style of Pro-Rata and billing style of Maker-Taker.

Security Symbol	Security Name	Option Class	Penny Pilot	Exchange for Opening	Closing Time	PLMM	Cloud
SPCE	Virgin Galactic Holdings, Inc.	SPCE	No	NYSE	4:00 p.m.	Two Sigma Securities, LLC	8

Please contact MIAX Options Listings with any questions.

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