



HIVE Karman Line

RMIT HIVE Rocket team

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HIVE Karman Line

Ad Astra I AURC 2019

Ad Astra I
Length: 120"
Width: 5.15"
Motor: O3400
Tot Impulse: 21062
N.s
Altitude: 31,071 ft

Ad Astra II AURC 2020

Ad Astra II
Length: 120"
Width: 5.15"
Motor: 03400
Altitude: 30,000ft

Ad Astra III 60,000 ft

Ad Astra III
Length: 135" *
Width: 6.5" *
Motor:
O25,000 (5.5" md)
(30,794 N.s)
Altitude: 47k ft
42k ft with 034 (MD)

Ad Astra Heavy 300,000 ft - Karman Line

Ad Astra Heavy
Length: 156" *
Width: 8" *
Motor: R ?



HIVE Goals



Level I Certifications

Increase number
of HIVE team
members
certified at level
I

Level II Certifications

Increase number
of HIVE team
members
certified at level
II

Payloads

Build science
experiments for
launch on Level
III rockets

Records

Launch 60,000 ft
rocket for the
first time