

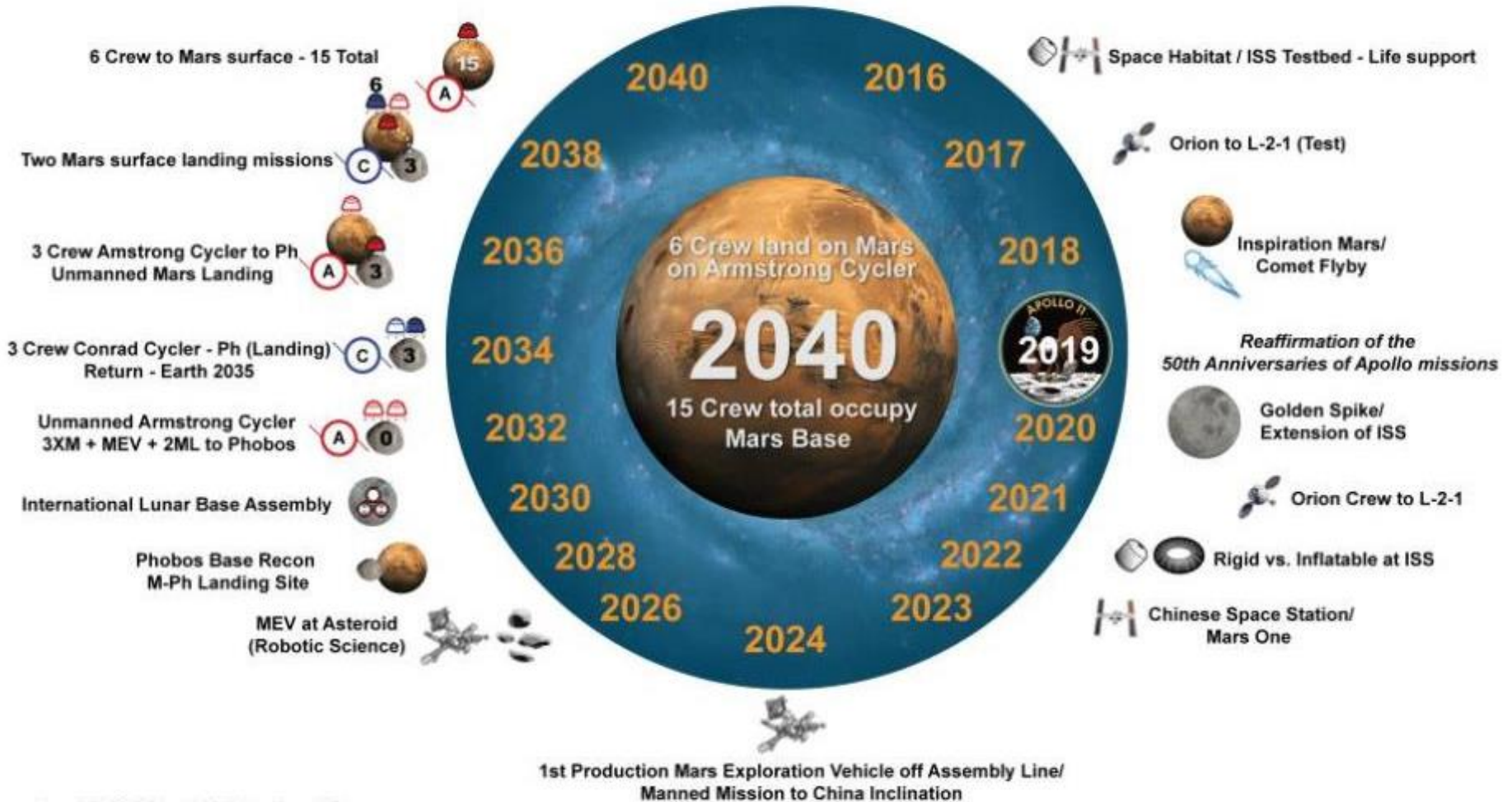
A Unified Space Vision

Buzz Aldrin

April 6, 2014



UNIFIED SPACE VISION (U.S.) CIVIL SPACE MISSIONS



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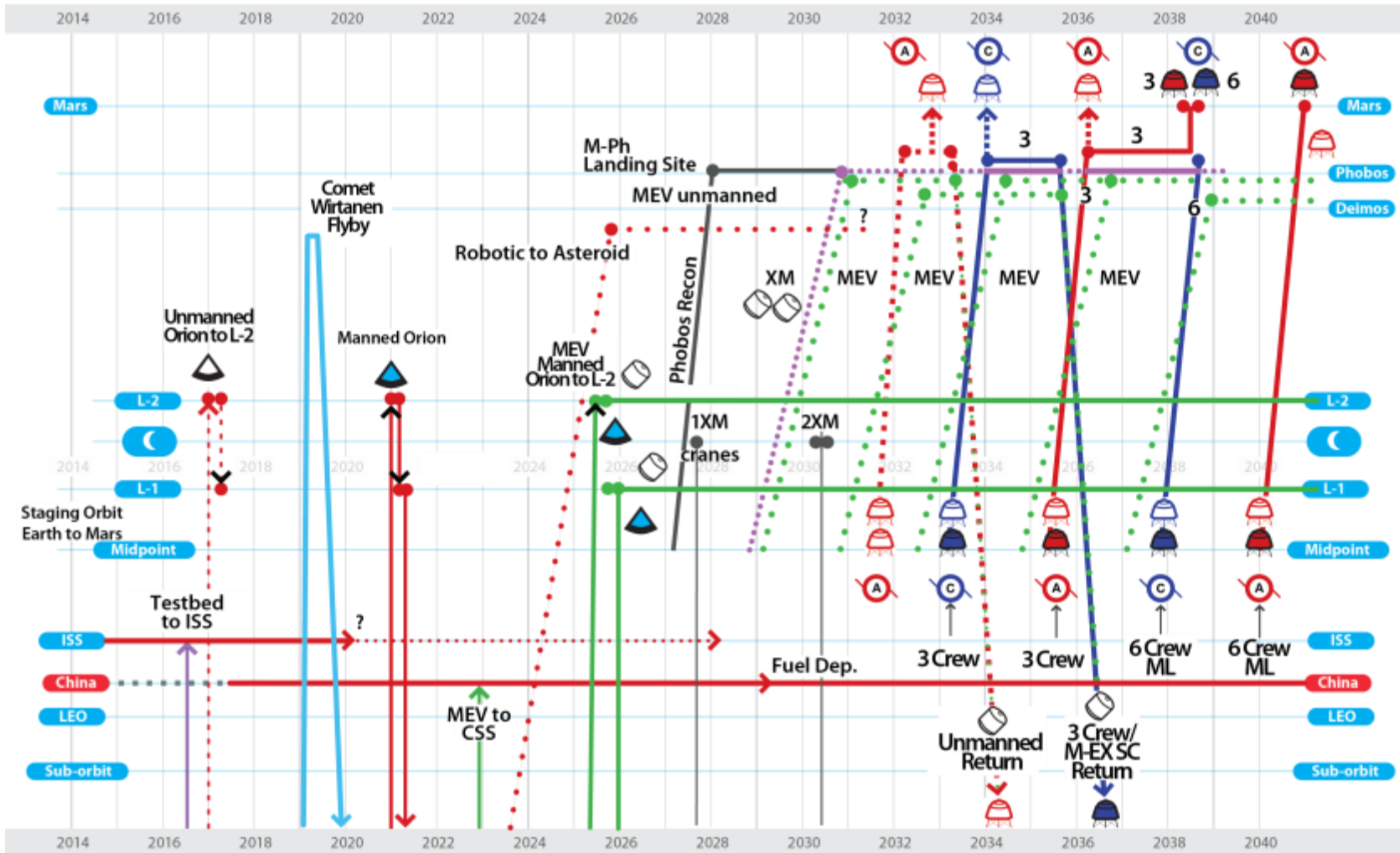
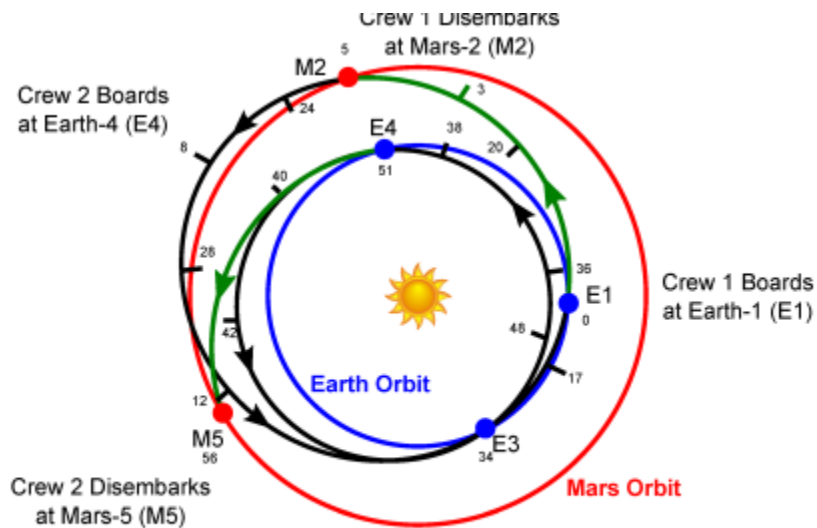
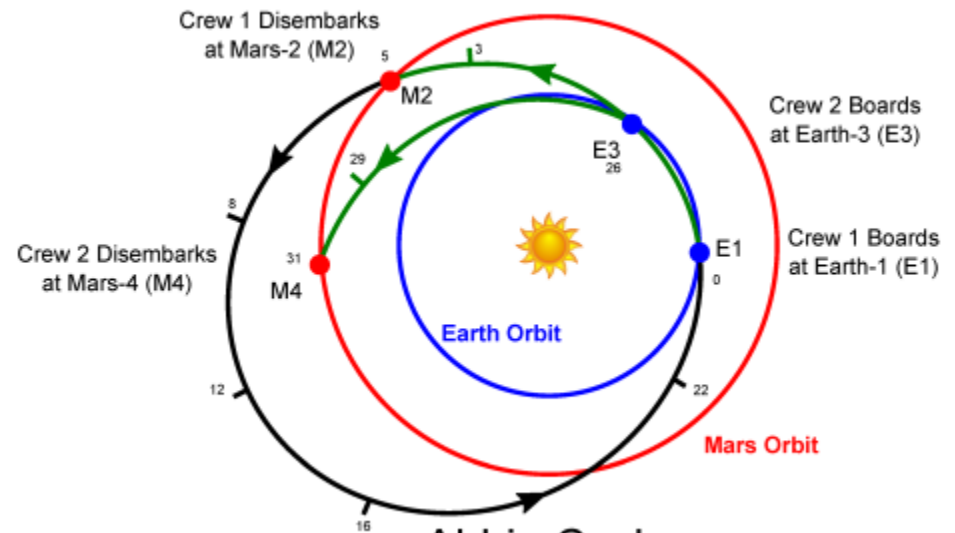


Chart Key:
— Manned Missions
— Manned XM
— Mars Exploration Vehicle Manned
ⓐ Armstrong Cyclor
ⓐ Exploration Module (XM)
⋯ Unmanned XM
⋯ Mars Exploration Vehicle Unmanned
ⓐ Conrad Cyclor
🚗 Lander

1 VS. 2 Synodic Periods



S1L1 Cycler



Aldrin Cycler

Radial Distance Plot – 2 Synodic Period

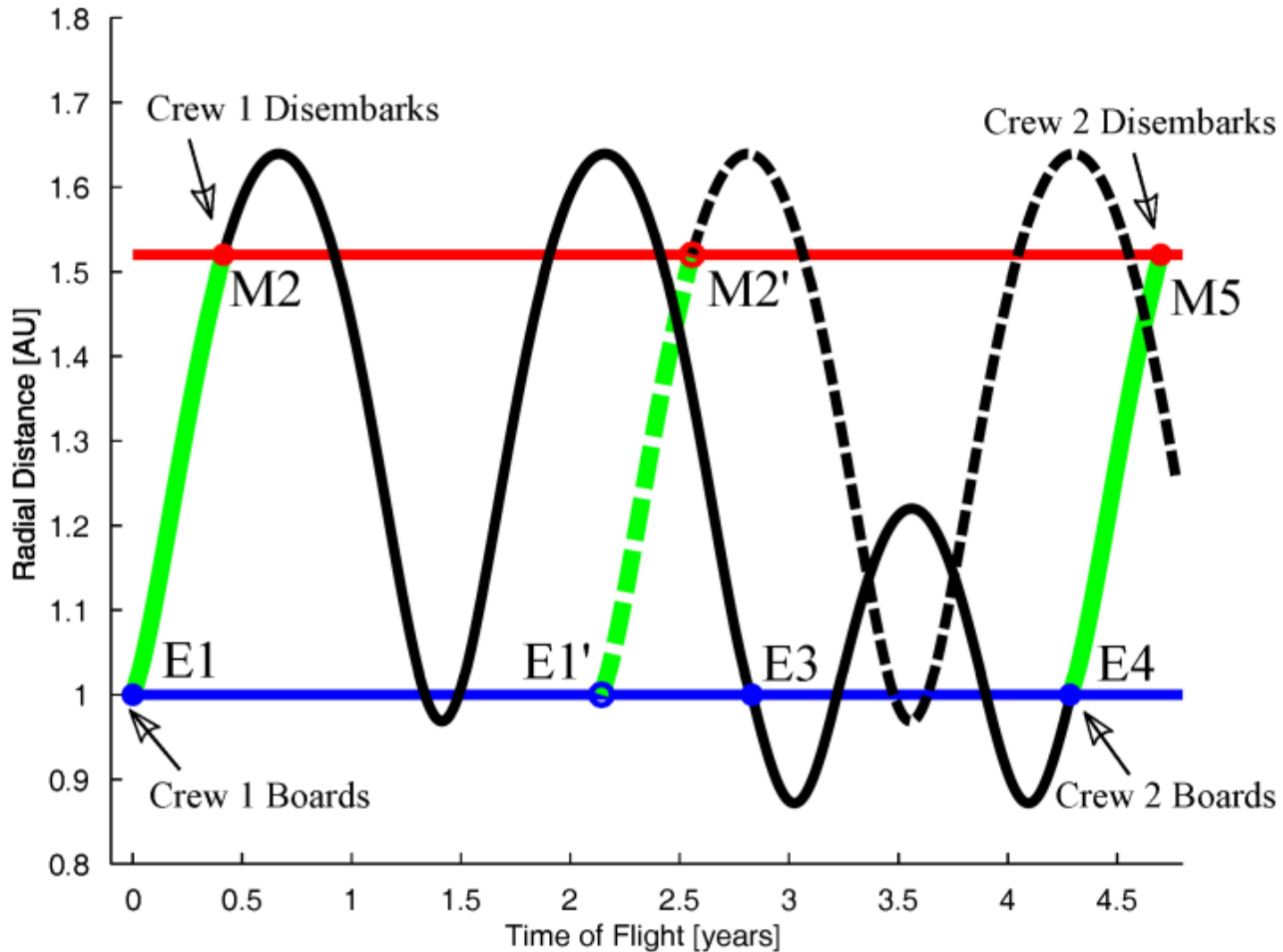


Illustration by Blake Rogers from

Purdue Aldrin 2 Synodic Period Cycler (Aldrin Cycler Added)

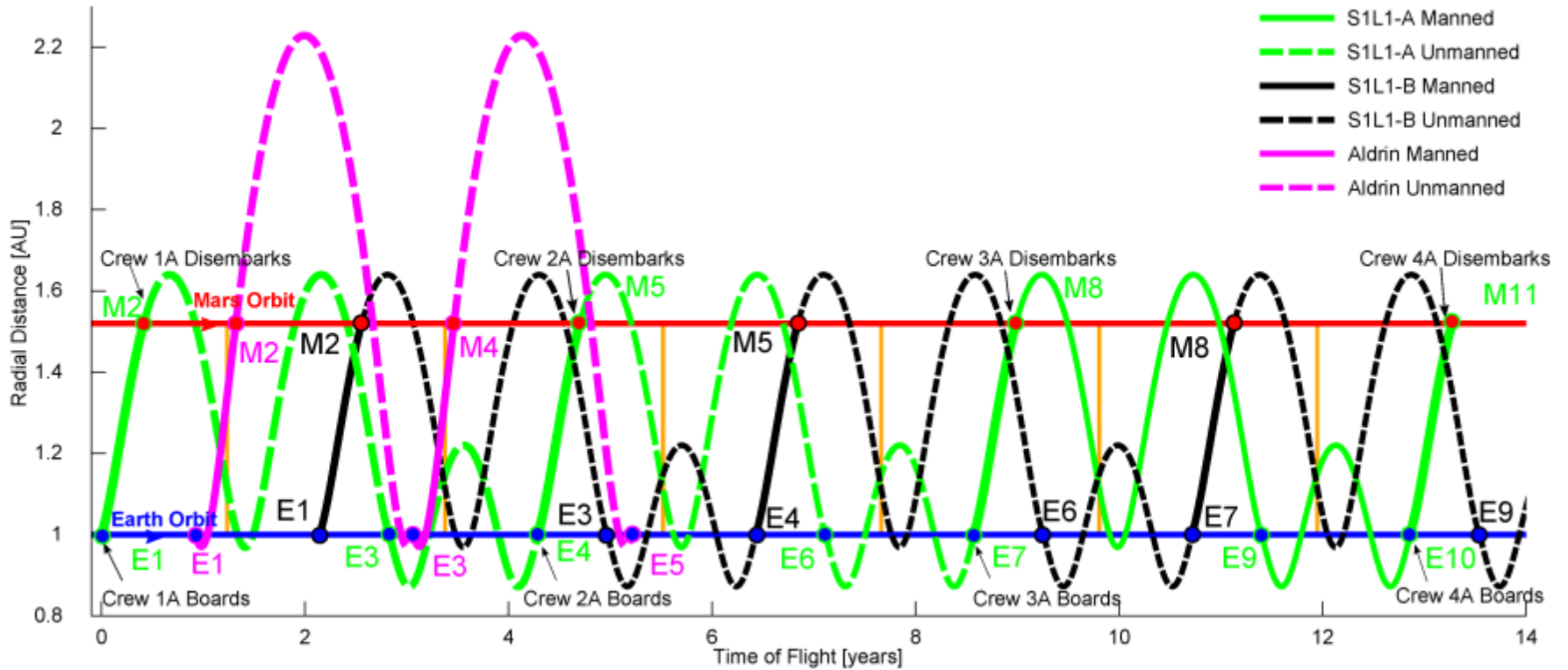
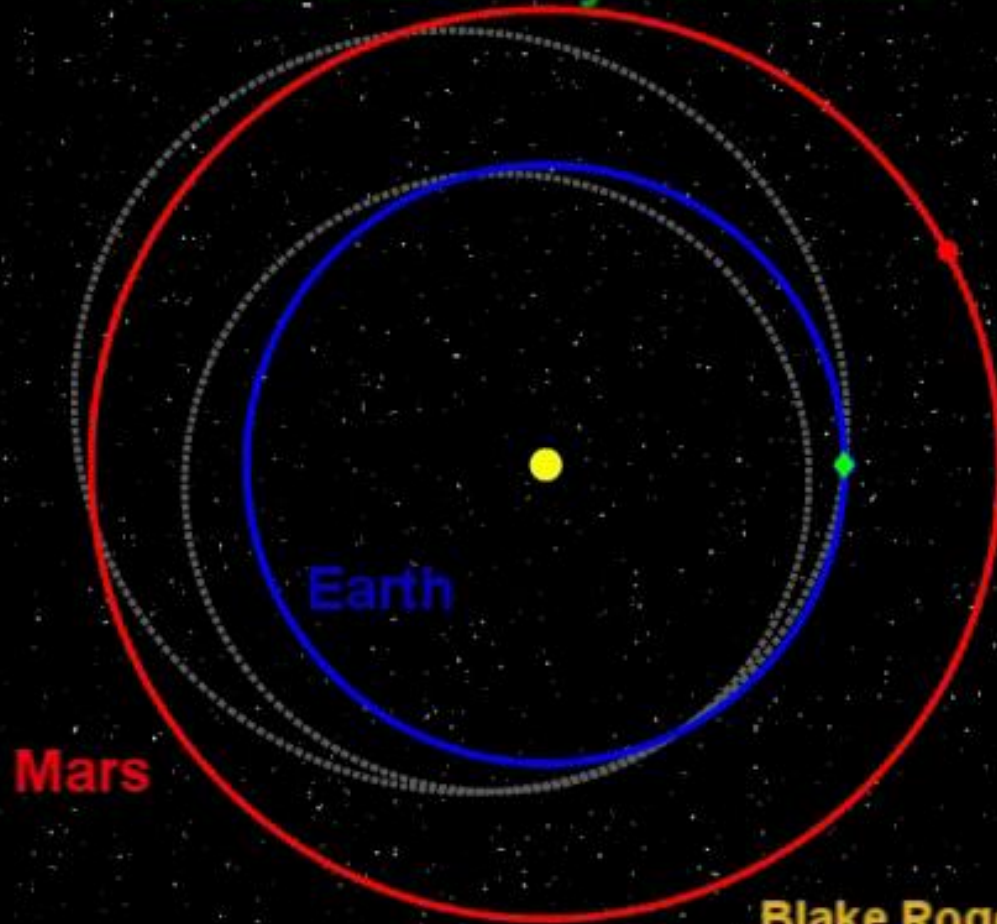


Illustration by Blake Rogers from

2 SYNODIC PERIOD CYCLER VIDEO

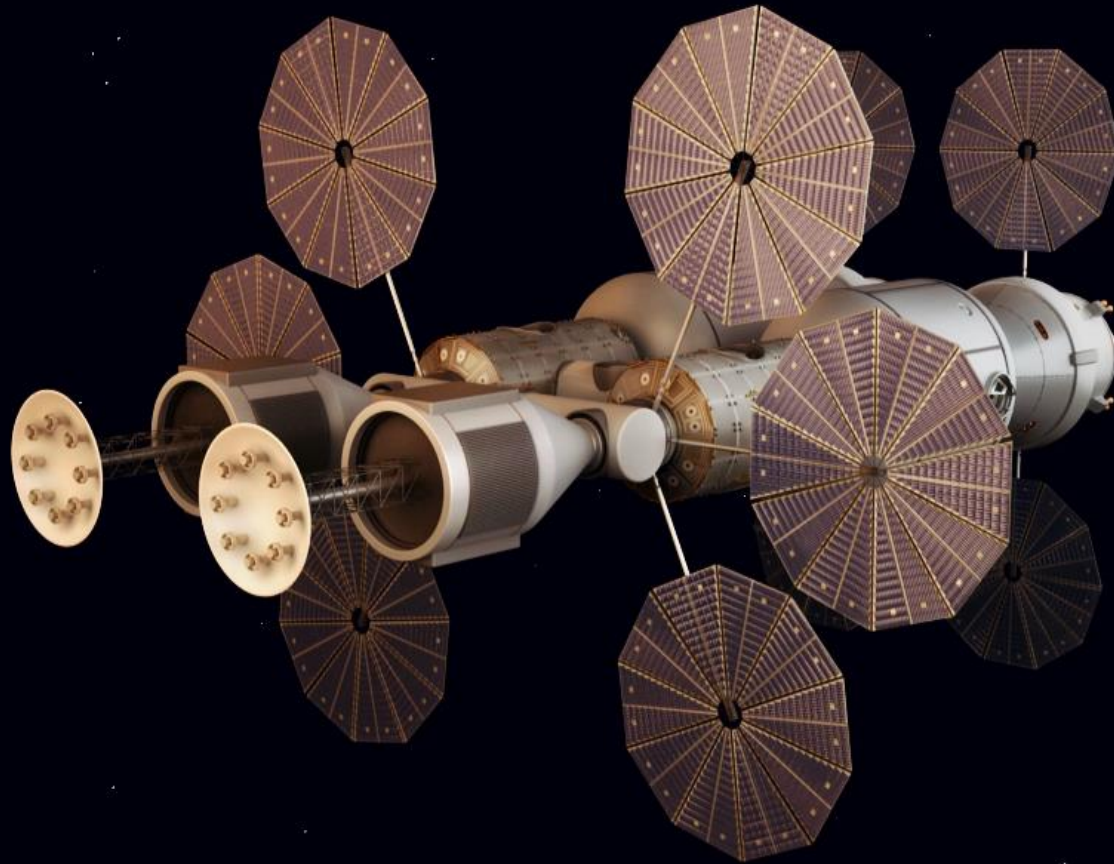
Earth Launch:
Crew Boards Cycler Vehicle



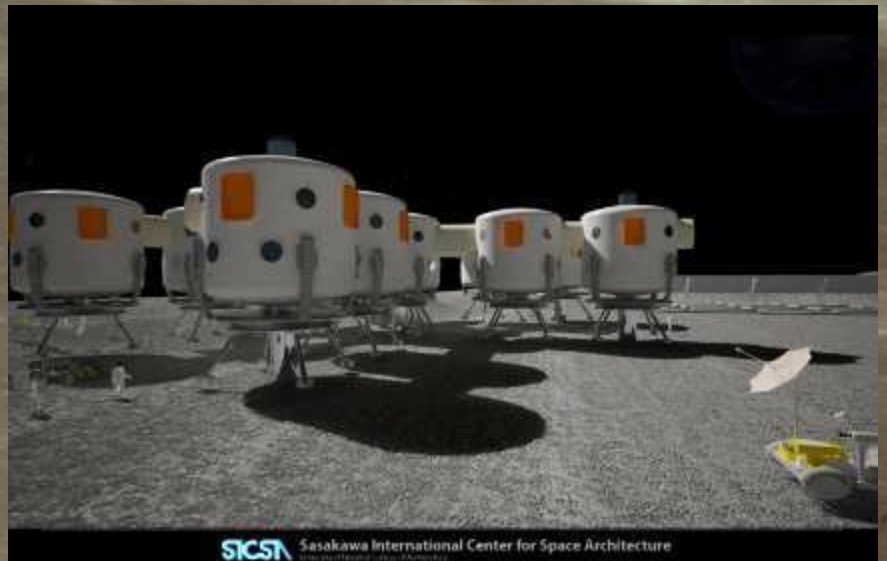
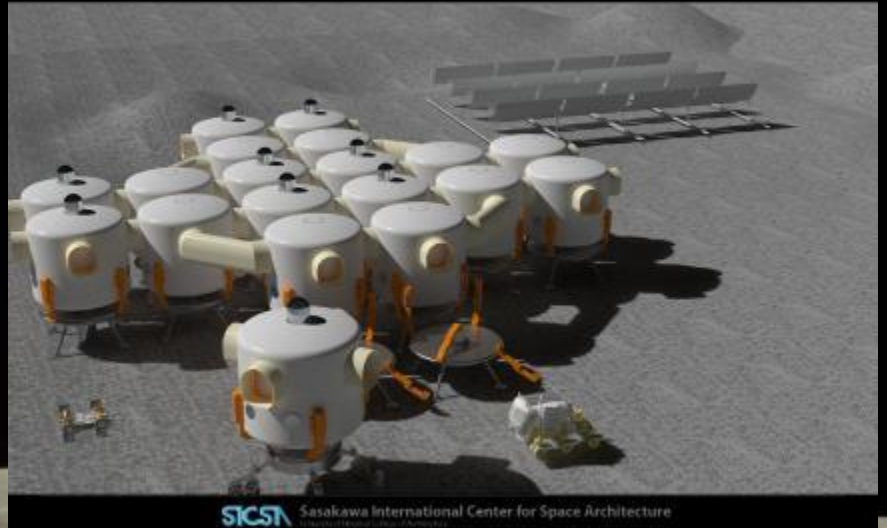
Time Since Launch: 0.0 Months

Blake Rogers
Purdue University
Created November 2012

ALDRIN MARS CYCLER



LUNAR OPERATIONS COMPLEX



LUNAR BASE – 3 UNIT CORE

- Core Module
- Expansion Module

