



ADRAS-J: Overview

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Introduction

Laser Retroreflector Locations

Outline of the Mission

ADRAS-J ConOps Video



Introduction

World's first attempt to safely approach and characterize an existing piece of large debris through RPO



Dimensions

Stowed with no Solar	Approx. 83cm x
Arrays Deployed	81cm x 1.20cm
Solar Arrays	Approx. 370cm x
Deployed	81cm x 1.20cm
Mass	Approx. 150kg

Launch

Provider	Rocket Lab
Launch Vehicle	Electron
Launch Site	Launch Complex 1, Mahia, New Zealand
Date	2023



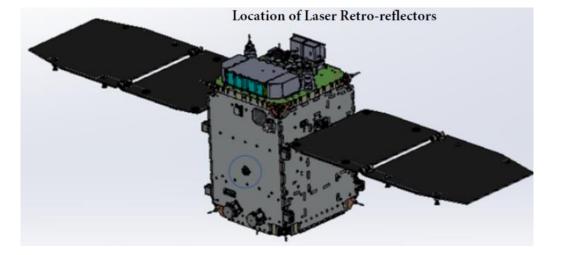
Astroscale Ships World's First Debris Inspection Mission to Launch Site



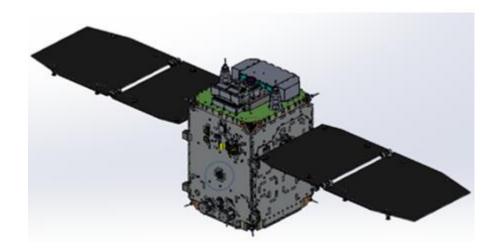
(Above) *SSC: 33500 H2A R/B imagination Credit: JAXA

Laser Retroreflector Locations





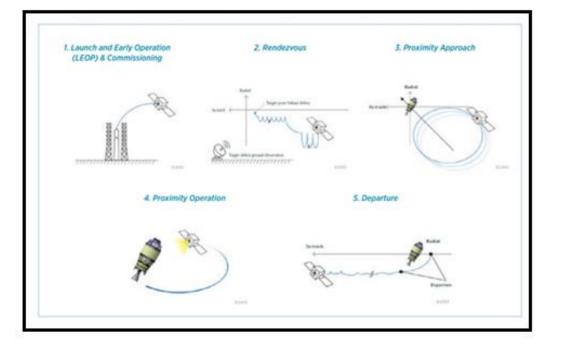
+Z/-Z panels both house laser retro-reflectors, with the +Z nominally pointing towards Earth.



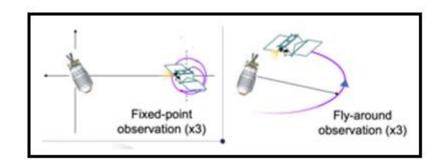
Outline of the Mission



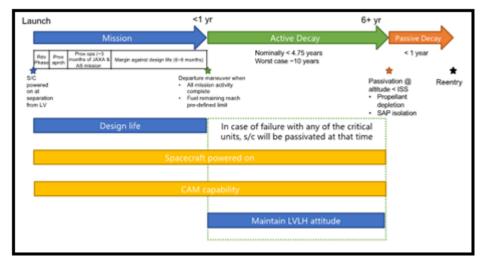
Different Phases of the Mission



Servicer & Client at the Closest Distance



Mission Life



ADRAS-J Concept of Operations





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