

September 15, 2023

Chris Kemp
Chief Executive Officer
Astra Space, Inc.
1900 Skyhawk Street
Alameda, CA 94501

Re: Astra Space, Inc.
Registration

Statement on Form S-3
2023

Filed September 8,
File No. 333-274426

Dear Chris Kemp:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Cheryl Brown, Staff Attorney, at (202) 551-3905 or Daniel Morris, Legal Branch Chief, at (202) 551-3314 with any questions.

Sincerely,

Division of Corporation Finance
Office of Energy & Transportation

cc:

Katheryn A. Gettman