

## Nimesh Sangani

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**From:** Francisco Isenberg <francisco@astra.com>  
**Sent:** Wednesday, March 2, 2022 1:07 AM  
**To:** Nimesh Sangani  
**Cc:** Matthew Khudari; Ethan Pease  
**Subject:** [EXTERNAL]: Re: Astra Trajectory for LV0010

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Good evening Nimesh,

The broadcast time for each of the three missions will be 22 minutes and 11 seconds.

Please let me know if you need any additional information.

Thanks!

Francisco

**Francisco Isenberg**

Principal Spaceport Development Manager | Business Operations

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he/him/his

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**From:** Francisco Isenberg  
**Sent:** Tuesday, March 1, 2022 9:32:21 AM  
**To:** nimesh.sangani@fcc.gov <nimesh.sangani@fcc.gov>  
**Cc:** Matthew Khudari <mkhudari@astra.com>  
**Subject:** Astra Trajectory for LV0010

Hello Nimesh,

Thanks for giving me a call back this morning. Good to meet you! As discussed, I will be Astra's main point of contact moving forward now that Tom Marotta has left. Please feel free to reach out to me if you need anything:

- [francisco@astra.com](mailto:francisco@astra.com)
- 415-967-2557

As requested, I have attached the nominal launch trajectory following STA file numbers:

- 2025-EX-ST-2021

- 2020-EX-ST-2021
- 2023-EX-ST-2021

Please note that the trajectory is the same for all three launches.

Our guidance and navigation team is working on getting a more precise duration of broadcast time, and I will send that out to you later today.

Thank you for all your help, and please let me know if there is any additional information you need from me.

Francisco



**Francisco Isenberg**

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