

From Gene
Champagne
Public Comment
10/24

ALASKA AREOSPACE PRE-LAUNCH CLOSURES

ROAD ACCESS

Temporary closure of Fossil Beach will be starting 3-hours prior to the scheduled lift-off and will remain until hazardous operations have concluded for the day.

Road closures could be in place between 7:00am - 5:00pm from 09 December - 18 December 2020.

MARINE ACCESS

Waterway hazard areas are defined with an Uprange Area off Narrow Cape, Passagshak Bay and a Downrange Area approximately 1,000 nmi South of Narrow Cape.

Restricted waterways could be in place 10:00am – 1:30pm from 11 December - 18 December 2020. The exact date and time of restricted water access will be advised via a Local Notice to Mariners.

An AAC-hired Boundary Boat is expected to be positioned on the east side of the Uprange restricted area near Ugak Island to provide peer-to-peer coordination of near-by vessels. Spaceport Range Control and the Boundary Boat will be available on VHF Channel #6 on days of operations.

Information and representative graphics provided here are for informational purposes only and are not a substitute for official US Coast Guard notices and information. Mariners are advised to check with the US Coast Guard and Local

Notice to Mariners, as required, to ensure safe operations.

AIR ACCESS

In order to facilitate safe aviation, a hazard area has been identified and Temporary Flight Restriction (TFR) will be established for launch operations. The Representative graphics of the aviation hazard area are for informational purpose only and should not be used as a substitute for official FAA notices and information.

The Federal Aviation Administration (FAA) designates the TFR that is used for Kodiak launches. The exact date and time the TFR becomes active will be advised via a Notice to Airmen (NOTAM).

Restricted airspace could be in place between 10:00am – 1:30pm from 11 December - 18 December 2020.

Pilots are advised to check with the FAA and NOTAMs, as required, to ensure safe flight operations.

for Gene
Champagne
Public Comment
2024

www.spaceportfacts.org/blog

For Astra's 4th rocket launch from the Kodiak Alaska Spaceport, the Coast Guard issued a daily safety zone closure for an area 14 miles wide by 200 miles long. Twelve consecutive scheduled closures have been in effect since December 7, 2020. As the following annotated USCG document shows, seven of those dates have expired with only a single attempt to start a launch countdown.



U.S. Department
of Homeland Security
**United States
Coast Guard**

LOCAL NOTICE TO MARINERS

District: 17

Week: 49/20

657

ALASKA - GULF OF ALASKA

Alaska Aerospace Corporation is planning to launch a rocket from the Pacific Spaceport Complex Alaska (PSCA) launch pad LP-3B at Narrow Cape, Kodiak, Alaska between 1900-2230 UTC or 1000-1330 Alaska Standard Time on December 7th through 18th, 2020. Additional information including descriptions and chartlets indicating the hazardous areas are included as an enclosure to this LNM. Questions/concerns should be directed to Robert Green at (907) 743-3539 or by email to Robert.greene@akaerospace.com or Shannon Edwards at (509) 713-4368 or by email to Shannon.edwards@akaerospace.com.

LNM: 45/20

Launch dates/times and NOTMAR and water area restrictions for Astra - P128

AAC respectfully requests to inform all ships of the hazardous operations and to remain clear of this area for the duration of operations. Potential hazard risks are blast and debris, which are best managed by rerouting to stay out of the area.

Mission P128 will launch from Alaska Aerospace's Pacific Spaceport Complex Alaska (PSCA) Launch Pad LP-3B at Narrow Cape, Kodiak, Alaska with a window of 07 December - 18 December 2020 (local).

Each day will have a launch time window of 1000 - 1330 hours Alaska Standard Time (1900 - 2230 hours UTC), which encompasses debris times, on a launch azimuth of approximately 195 degrees.

The launch window, encompassing 30-minutes for debris, will be:

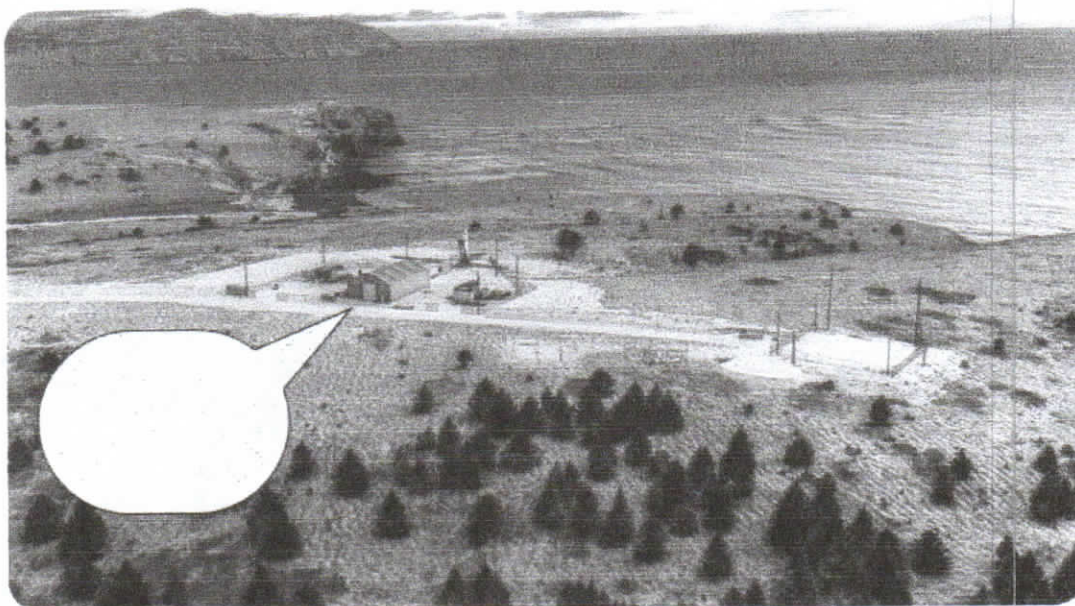
P128 MISSION LAUNCH WINDOW			
EVENT	ZULU (UTC)	LOCAL DATE	LOCAL TIME
Primary Launch Day	071900 DEC - 072230 DEC 2020	07 DEC 2020	1000 - 1330
Backup Day #1	081900 DEC - 082230 DEC 2020	08 DEC 2020	1000 - 1330
Backup Day #2	091900 DEC - 092230 DEC 2020	09 DEC 2020	1000 - 1330
Backup Day #3	101900 DEC - 102230 DEC 2020	10 DEC 2020	1000 - 1330
Backup Day #4	111900 DEC - 112230 DEC 2020	11 DEC 2020	1000 - 1330
Backup Day #5	121900 DEC - 122230 DEC 2020	12 DEC 2020	1000 - 1330
Backup Day #6	131900 DEC - 132230 DEC 2020	13 DEC 2020	1000 - 1330
Backup Day #7	141900 DEC - 142230 DEC 2020	14 DEC 2020	1000 - 1330
Backup Day #8	151900 DEC - 152230 DEC 2020	15 DEC 2020	1000 - 1330
Backup Day #9	161900 DEC - 162230 DEC 2020	16 DEC 2020	1000 - 1330
Backup Day #10	171900 DEC - 172230 DEC 2020	17 DEC 2020	1000 - 1330
Backup Day #11	181900 DEC - 182230 DEC 2020	18 DEC 2020	1000 - 1330

Unlike other space companies, Astra does not webcast their launch attempts but they do issue Twitter statements. As you can see, Friday's attempt was scrubbed as were Backup Days #5 and #6 due to high-altitude winds. The next attempt is today from 2 PM to 5:30 PM EST.



Astra @Astra · 12h

🚫 Launch update: due to weather, our next opportunity will be on Monday, Dec 14th. In the meantime, enjoy this aerial view from @johnkrausphotos



John Kraus 📷 🚫

💬 9

↻ 60

❤️ 577



Astra @Astra · 15h

We are standing down today due to extreme upper-level wind shear and triggered lightning. We have daily launch opportunities through Dec 18th

Astra has scheduled multiple launches.

July 21, 2018, Rocket 1.0 failed shortly after launch.

November 29, 2018, Rocket 2.0 failed shortly after launch and fell near the launch pad, after all five engines failed.

March 02, 2020, Rocket 3.0 scrubbed when allocated DAPRA Launch competition launch dates expired after multiple postponements and delays.

March 23, 2020, Rocket 3.0 destroyed during wet dress rehearsal.

4 of 4

September 9, 2020, Rocket 3.1 failed about 30 seconds into the flight and exploded on impact behind the launch site.

December 14, 2020 (today), Astra attempts to launch Rocket 3.2 on the eighth day of twelve days of scheduled disruption for the public.

Every launch attempt is accompanied by scheduled closures that require commercial fishermen, hunters, the Alaska Marine Ferry, and Alaska Wilderness adventures to adjust their schedules and activities to avoid hazard and safety zones. Over 50 days have been impacted by scheduled closures affecting beaches, and hunting, boating, and fishing activities covering more than 2,000 square miles of the Gulf of Alaska so that Astra can attempt to launch 5 rockets.

For every marine and shore closure, there is also an airspace closure zone to protect flyers.

If a launch from Spaceport Camden ever happens, it will have far more significant economic disruption impacts on the public than Astra's launches have in Alaska. We have people who live in the hazard zone. Alaska does not. Our marshes can be contaminated. The Pacific Ocean is a big place. We have a National Seashore downrange with recreational and historic sites that attract 60,000 visitors a year. Alaska does not. A complete tourist industry revolves around Cumberland Island visitors. There is no tourist industry or even public tours to the Alaska spaceport. Because launches are infrequent and are unpredictable, a tourist industry for small rocket launches does not exist at any US spaceport.

Rockets from Spaceport Camden will be the first-ever knowingly launched over the uninvolved public who will be placed at risk based on computer modeling that is not validated by empirical data. National Park Service property on Cumberland Island is not covered by the Maximum Probable Loss (MPL) Insurance that rocket companies are required to provide. Historic District properties at the Settlement and the Little Cumberland Island Lighthouse are also not covered by MPL insurance. The liability risk to Camden County taxpayers cannot be determined.

The Astra rocket is the smallest orbital US rocket under development. It is 50% larger than the fictional rocket proposed by Spaceport Camden in its Final Draft EIS. There are no existing small-lift class rockets small enough to launch from Spaceport Camden. After 20 years of boosterism, the small rocket market remains undeveloped.

Before Covid interruptions, Steve Howard refused to debate these issues.

Simply put, "Spaceport Camden is wasteful, has no beneficial economic model, and is just a bad idea" — except for Steve Howard's consultants, one of whom has been paid well over one million dollars.

www.spaceportfacts.org/blog