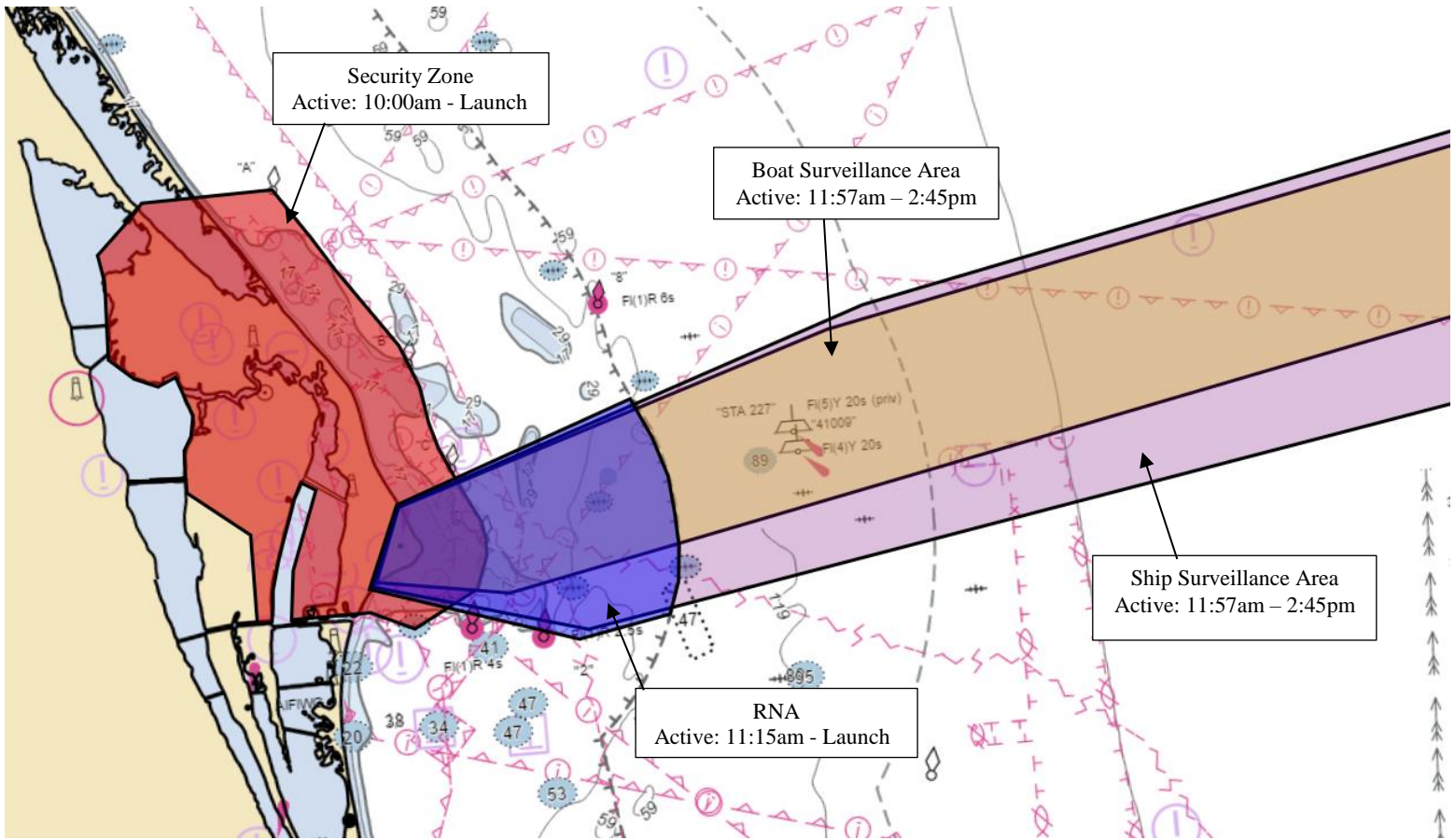




UNITED STATES COAST GUARD SECTOR JACKSONVILLE SPACE LAUNCH DELTA 45



Space Operations Rocket Launch Advisory Astra V3.3 Tropics-1 June 12, 2022



WARNING

RNA/Security Zone

No person or vessel may enter, pass through or remain in the regulated navigation area (RNA) or security zone unless authorized by the Captain of the Port under the authority of 33 CFR 160.111 and Title 46, United States Code (USC), Parts 70002 and 70036. Failure to comply is punishable by a fine of not more than \$250,000 or imprisonment for not more than six years, or both.

Surveillance Area

Extremely hazardous conditions will be present within the surveillance areas. Mariners are strongly advised to avoid these areas while active.

For up to date Launch Information:

1. Scan the QR Code or copy link
2. Go to Upcoming Launches near the bottom of the page
3. Open Launch Hazard Area

<https://www.patrick.spaceforce.mil/>



USCG Command Center Jacksonville: (904) 714-7557

USSF Launch Information Recorded Line: 1-800-470-7232

Mariners are advised to remain clear of all zones during the time of activation

Detailed Launch Information can be obtained using Coast Guard channel 16 or FM81A and Notice to Mariners @ <https://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=7>



UNITED STATES COAST GUARD SECTOR JACKSONVILLE
SPACE LAUNCH DELTA 45



Launch Zone Coordinates

Boat Surveillance Area	
Latitude (dms)	Longitude (dms)
28° 29' 24.99" N	80° 32' 31.34" W
28° 36' 0.00" N	80° 09' 0.00" W
29° 20' 0.00" N	75° 35' 0.00" W
29° 51' 0.00" N	71° 12' 0.00" W
30° 11' 0.00" N	66° 13' 0.00" W
30° 17' 0.00" N	56° 04' 0.00" W
29° 10' 0.00" N	47° 01' 0.00" W
28° 52' 0.00" N	47° 01' 0.00" W
29° 53' 0.00" N	56° 05' 0.00" W
30° 03' 0.00" N	60° 17' 0.00" W
29° 57' 0.00" N	66° 19' 0.00" W
29° 39' 0.00" N	70° 31' 0.00" W
29° 07' 0.00" N	76° 03' 0.00" W
28° 25' 0.00" N	80° 27' 0.00" W
28° 26' 0.00" N	80° 34' 0.00" W
28° 26' 3.58" N	80° 34' 0.00" W

Ship Surveillance area	
Latitude (dms)	Longitude (dms)
28° 29' 26.26" N	80° 32' 31.97" W
28° 37' 0.00" N	80° 07' 0.00" W
28° 50' 0.00" N	78° 52' 0.00" W
29° 30' 0.00" N	75° 17' 0.00" W
29° 52' 0.00" N	71° 26' 0.00" W
30° 14' 0.00" N	63° 38' 0.00" W
30° 18' 0.00" N	56° 04' 0.00" W
29° 09' 0.00" N	47° 03' 0.00" W
28° 51' 0.00" N	47° 02' 0.00" W
29° 53' 0.00" N	56° 05' 0.00" W
30° 1' 0.00" N	63° 26' 0.00" W
29° 50' 0.00" N	68° 20' 0.00" W
29° 29' 0.00" N	71° 05' 0.00" W
29° 00' 0.00" N	75° 35' 0.00" W
28° 23' 0.00" N	80° 23' 0.00" W
28° 25' 49.10" N	80° 34' 16.29" W

Regulated Navigation Area	
Latitude (dms)	Longitude (dms)
28° 29' 32.3" N	80° 32' 37" W
28° 33' 33.4" N	80° 19' 45.8" W
28° 23' 23" N	80° 18' 37.1" W
28° 22' 34.8" N	80° 23' 31.4" W
28° 25' 43" N	80° 34' 26.2" W

Security Zone:

A detailed description of the Security Zone can be found in 33 Code of Federal Regulations (CFR) 165.701 or online at:
[eCFR :: 33 CFR Part 165 -- Regulated Navigation Areas and Limited Access Areas](https://www.ecfr.gov/current/title-33/chapter-I/subchapter-B/part-165)