

SOLAR APP REFERENCE GUIDE

This guide is crafted to assist users in effectively navigating and utilizing the NAVCEN Geospatial Website, a robust tool developed in line with Geospatial Consortium standards. The website serves an important role in providing key information, such as Space Launch and Re-Entry data and navigation warnings. This aligns with the U.S. Coast Guard's responsibility to protect the Marine Transportation System (MTS) and marine environment as outlined in 46 USC Chapter 700. The recent surge in space launch and reentry activities presents unique challenges, requiring vigilance in maritime operations. This job aid will help you understand the website's functionalities, ensuring optimal data access and comprehension, especially in the context of navigation warnings and space-related activities.

Understanding the Website's Functionalities

1. Layer Button (Upper Right Corner)

- **Functionality:** Toggle various data layers on the chart to display different types of information.
- **Customization:** Select or deselect layers to tailor the information on the chart to your needs.

2. Physical Chart (Produced by Open Street Map)

- **Representation:** Shows natural and human-made geographical features, providing a comprehensive view of the terrain.

3. Satellite Map (Produced by the US Geological Survey)

- **Purpose:** Offers a realistic depiction of the Earth's surface, useful for analyzing environmental conditions.

4. Electronic Navigational Chart (ENC)

- **Produced By NOAA:** Visualizes nautical information including depth contours and navigational aids.
- **Disclaimer:** Not intended for actual navigation; serves for informational purposes.

5. FACSFACJAX Warning Areas

- **Description:** Highlights zones of military activities affecting navigation and air travel.

6. FAA Restricted Airspace

- **Explanation:** Indicates areas with flight restrictions, critical for pilots to acknowledge.

Additional Features on the Chart

Zoom Controls ("+" and "-")

- **Purpose:** Adjust the chart's scale to either zoom in for detail or out for a broader view.
- **Navigation:** Transition smoothly between a detailed and a general overview of the chart.

Full-Screen Mode (Below Zoom Controls)

- **Functionality:** Expand the chart to full screen for an unobstructed view.

- **User Experience:** Enhances visibility and interaction with chart features.

Measurement Tool (|----->)

- **Purpose:** Measure distances directly on the chart, useful for planning and analysis.
- **Usage:** Click to set start and end points; the tool calculates the distance.
- When you use the measurement tool, a single click activates it and turns the indicator green. Once activated, it will continuously draw measurement lines until you click it again. On the second click, the tool deactivates, and the indicator turns white. If you want to remove any drawn lines, simply click the 'x' button.

Scale Indicator (Lower Left-Hand Corner)

- **Function:** Shows distances in nautical miles and kilometers, adjusting with zoom level.
- **Application:** Essential for assessing distances and chart areas accurately.

North Arrow (Under Layer Button)

- **Orientation:** Indicates geographic north, ensuring correct interpretation of chart directions.

Filter Range Dates (Left Side Menu)

- **Focused Viewing:** Specifically filter and display space launch and reentry events within selected dates.
- **Applications:** Monitor and analyze space-related activities over time.

Print Display Chart (Under Filter and Date Range Button)

- **Printing Capability:** Print the current chart view with chosen data layers and settings.
- **Customization:** Adjust print settings like orientation and format for your specific needs.