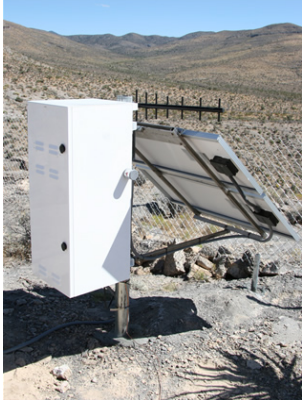



# UNAVCO Resources: Permanent GNSS Station Enclosures

381 Beth Bartel August 24, 2016 [Equipment Enclosures](#) 3651

## UNAVCO Resources: Permanent GNSS Station Enclosures

UNAVCO has installed and supports a large variety of equipment enclosures for both AC and DC GNSS sites, from enclosures specifically designed for solar systems (the SunWize battery enclosure) to simple storage containers modified to accommodate cable pass-throughs. We can work to find the most suitable enclosure given the budget and the location of each permanent or semi-permanent GNSS installation. Below is a list of enclosures used within the last several years in UNAVCO-supported projects; click on the photographs to see sample content lists and more photos of actual installations. For standard UNAVCO campaign enclosures, check out [UNAVCO Campaign GNSS Systems](#) .

	<p><a href="#">SunWize Premium F-Series Battery Enclosure</a></p>	<p>The <a href="#">SunWize</a> enclosure is used throughout the UNAVCO Observatory network and other permanent GNSS sites in the US. Benefits include: the enclosure is made of heavy-duty metal with key locks secured on the front and external knockouts for cables, weatherproofing, and a large amount of space for equipment (\$700-\$1000 as shown). Site space is limited (enclosure is delivered by truck), and must be strong enough to withstand weather.</p>
	<p><a href="#">Hardigg Case</a></p>	<p><a href="#">Hardigg</a> (now called <a href="#">Hardigg</a>) makes rugged, weather-resistant cases which are stackable and resistant to impact. Connections on the ribs of the case are protected during shipping.</p>
	<p><a href="#">JOBBOX</a></p>	<p>JOBBOX chests, made by <a href="#">Industries, Inc.</a>, are metal enclosures used for several long-term installations.</p>



EarthScope-spo  
network. Chests  
The major draw  
boxes are heavy  
ideal for shipping  
over long distan  
here is approxin  
February 2009).



[Pelican Case \(large\)](#)

The [Pelican](#) ca  
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case is difficult  
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where large batt



[Pelican Case \(small\)](#)

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as is common ne  
difficult to destr  
padlocks. Netwo  
cases include AT  
Galapagos. Cost  
approximately \$



[Commercial Electrical Enclosure](#)

Electrical boxes  
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passing cables th  
like the box sho  
often sturdy, ma  
metal, and may  
Networks utilizi  
include Calabria  
price range is ab



### [Storage Container](#)

A heavy-duty storage container, such as the [Contico Tuff B](#), is used to house the equipment in a truck or other vehicle. The container is a low cost (about \$100) and is available here, as of February 2010, in many US cities, rugged environments. The case shown here contains two Amphr batteries and a communications module. These are the enclosures in the network.

Online URL: <https://kb.unavco.org/article/unavco-resources-permanent-gnss-station-enclosures-381.html>