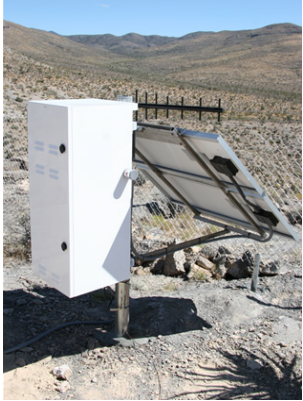



# UNAVCO Resources: Permanent GNSS Station Enclosures

381 Beth Bartel August 24, 2016 [Equipment Enclosures](#) 1815

## 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 designed for shipping), and must be strong enough to withstand...</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. Connections are reinforced on the ribs of the case to prevent damage 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...</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  
used to transpor  
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Grande network  
batteries in addi  
case is difficult  
with padlocks. C  
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available (see be  
networks with y  
where large batt



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

Like the larger  
smaller Pelican  
be used to trans  
is ideal if space  
the requirement  
small (e.g. in a y  
as is common ne  
difficult to destr  
padlocks. Netwo  
cases include AT  
Galapagos. Cost  
approximately \$



[Commercial Electrical Enclosure](#)

Electrical boxes  
'locally,' in majo  
shipped. Boxes  
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 an equipment enclosure. The container is mounted on a truck or other vehicle. The cost is low (about \$100 here, as of February 2010). In some US cities, rugged enclosures are used. The case shown here is an Amphr battery enclosure in the network.

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