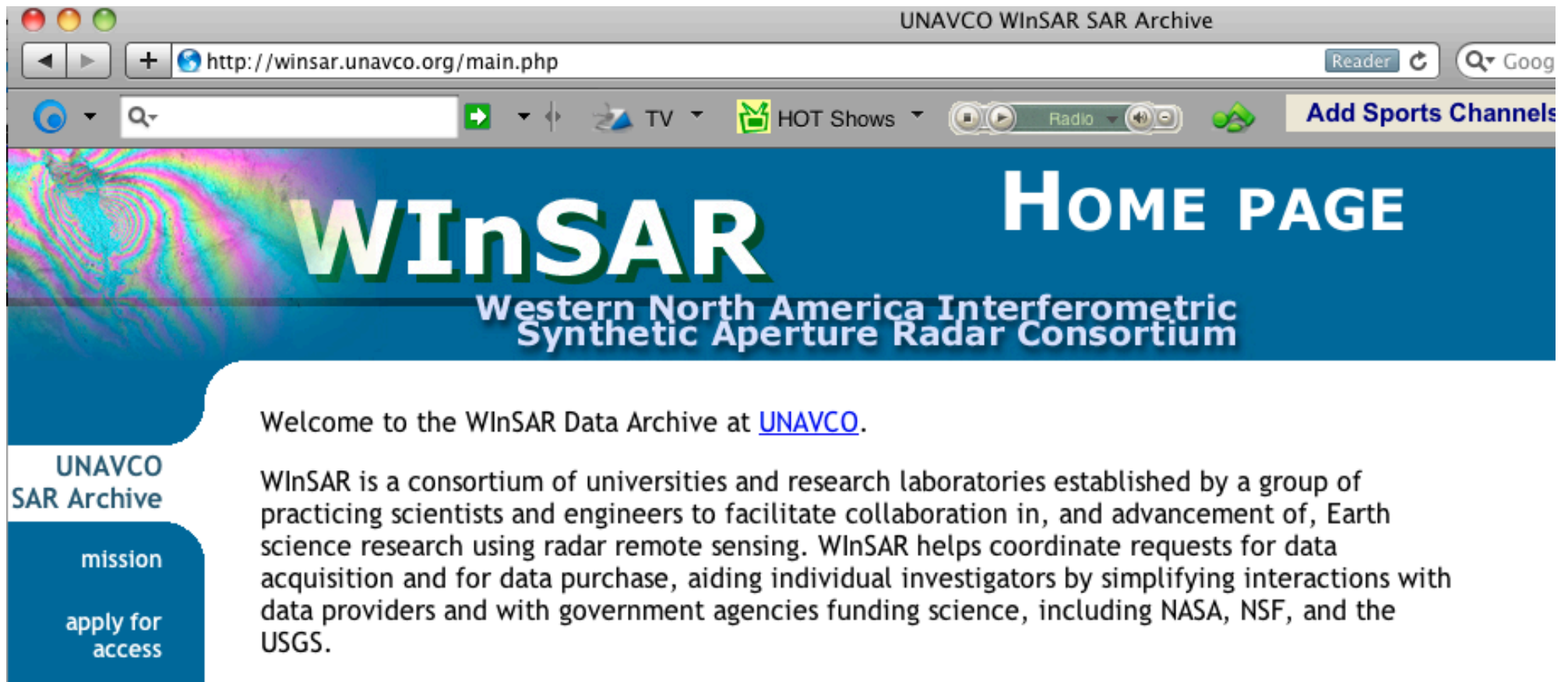


What is WInSAR ?



Welcome to the WInSAR Data Archive at [UNAVCO](http://unavco.org).

WInSAR is a consortium of universities and research laboratories established by a group of practicing scientists and engineers to facilitate collaboration in, and advancement of, Earth science research using radar remote sensing. WInSAR helps coordinate requests for data acquisition and for data purchase, aiding individual investigators by simplifying interactions with data providers and with government agencies funding science, including NASA, NSF, and the USGS.

Consortium of 119 Universities/ Research Institutions
Executive Committee (elected, 2-year terms)
Hosted by UNAVCO in Boulder, Colorado

Funding:

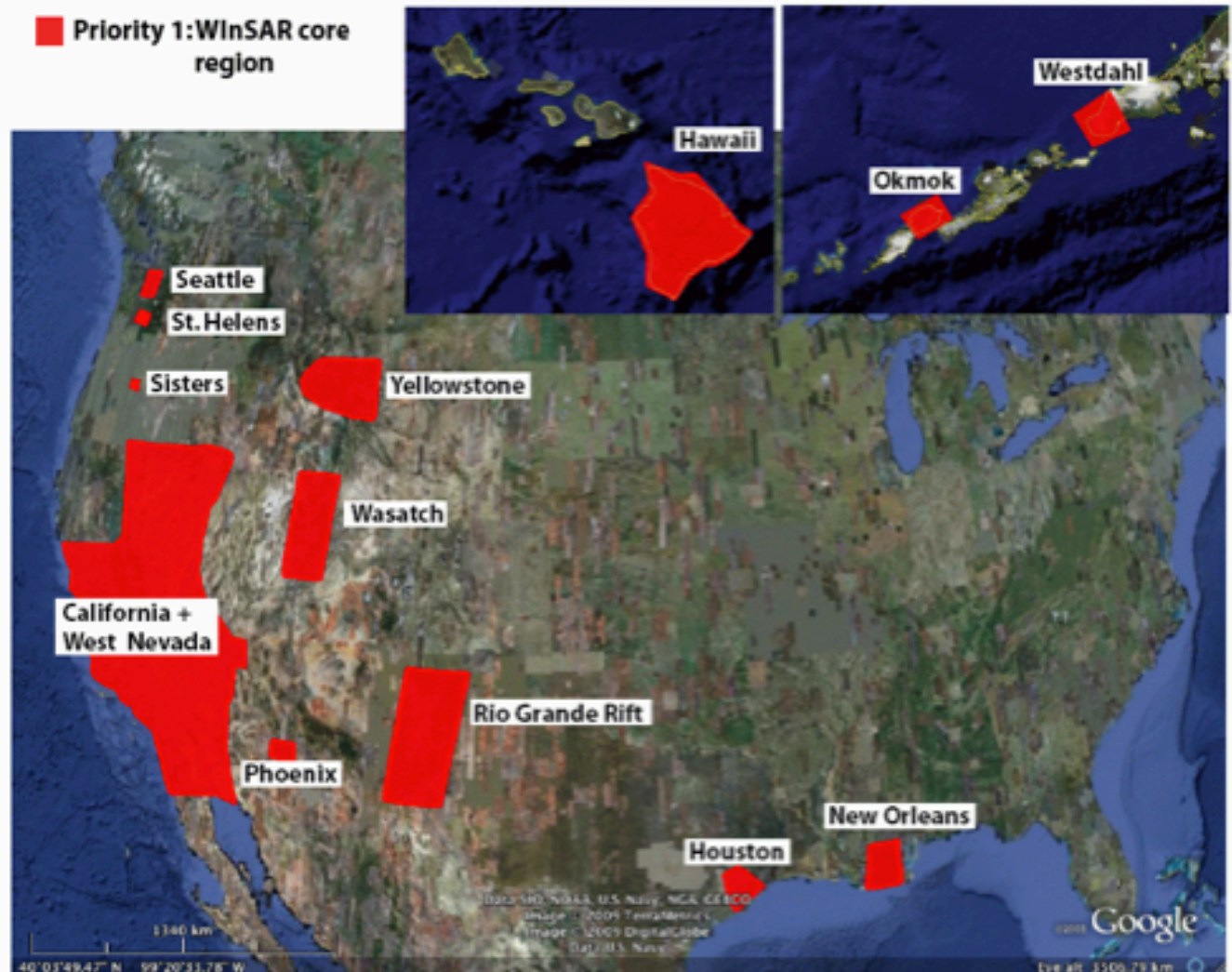


WinSAR objectives

- Promote the use and development of InSAR technology for scientific investigations.
- Promote free and open access to SAR data as allowed by data providers.
- Acquire, archive and catalog SAR data of the U.S. active areas (4 sec. download time)

•Mandate for sharing Data among Co-investigators comes from research funding agencies (NSF and NASA)

WinSAR successful when it is not needed anymore!



Why join WInSAR?

(These 2 apply to US scientists only, for now)

#1) Access to data at UNAVCO (~20 Tb)
facility.unavco.org/data/sar

Data available:

ERS-1/2

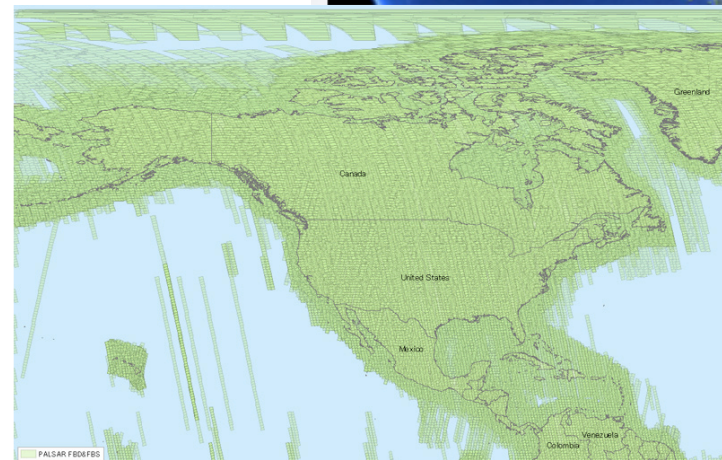
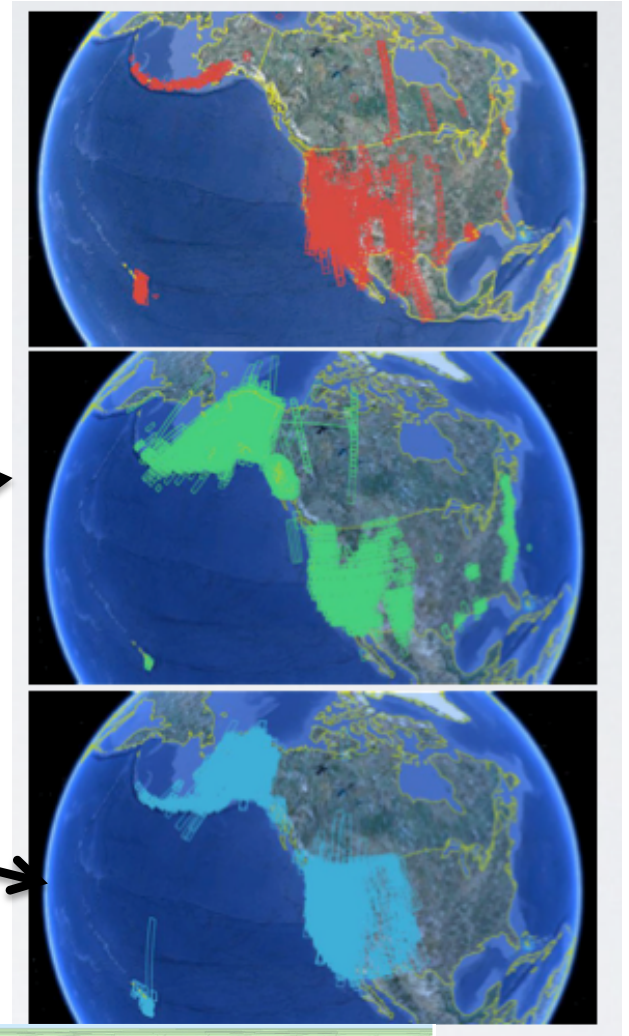
ENVISAT

RADARSAT-1

TerraSAR-X

Data coverage is limited to North America
All data are “raw” Level 0 (SLC for TSX)
ESA data not currently at UNAVCO
from North America can be requested

#2) Access to data at ASF (~300 Tb)
WInSAR members access ALOS datapool
(all data from the Americas & some other)
with signed agreement
(no need for UPASS proposal)



Why join WInSAR? (Part 2)

(These apply to all scientists)

#3) Access to software

Once a license agreement is signed, WInSAR members can download the ISCE software for InSAR data processing that includes the mdx visualization software: <http://winsar.unavco.org/isce.html>

#4) Membership in a self-governing community:

- News from winsar mailing list

- Annual WInSAR lunch at AGU

- Input into use of resources for data purchase and access

Growing access to metadata and data

SSARA: Seamless SAR Archive

2 year NASA project: UNAVCO, JPL, + Alaska Satellite Facility

Almost finished: <http://www.unavco.org/ws/brokered/ssara/sar/search>

Single place to search & download (within permission) from all SAR missions

How will Sentinel and ALOS-2 data be distributed?

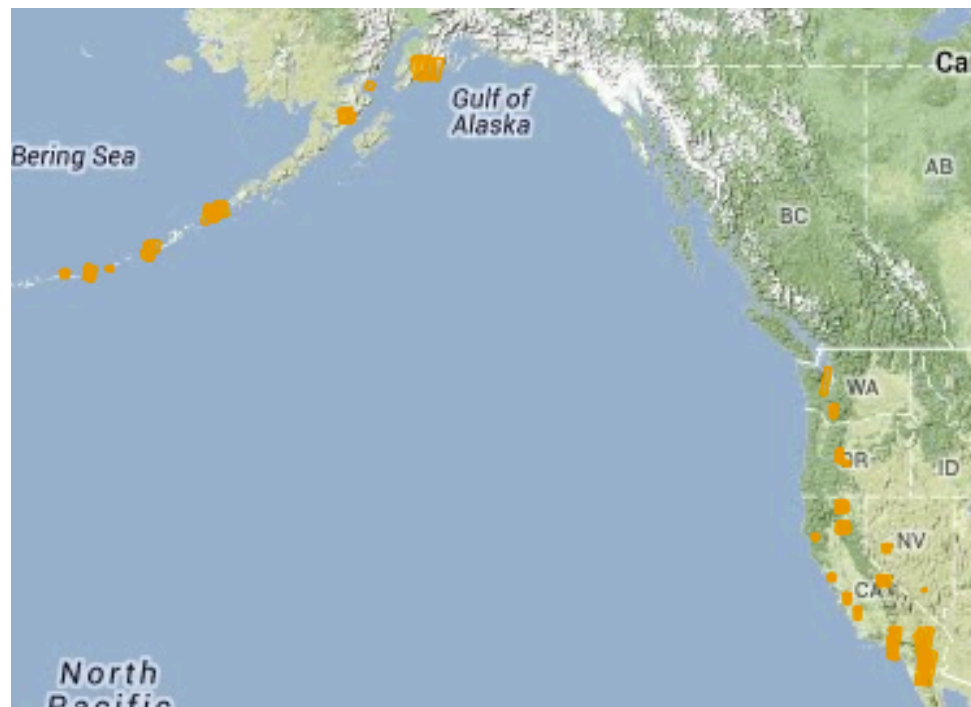
Geohazard supersites and natural laboratories (next talk by Falk)

Supersites.earthobservations.org

Eo-virtual-archive4.eas.int

UNAVCO coordination of TSX acquisition

Requests, success, and data collection



Acquisition Requests (161)

Area	Beam Mode	Swath	Track	Active	Completed	Cancelled	Pending
Mt. St. Helens	Stripmap (SM)	strip_008	167	True	18	11	7
Mt. St. Helens	Stripmap (SM)	strip_003	114	True	17	12	8