

UNAVCO WInSAR Report

December 15, 2010

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WInSAR Funding

NSF/NASA Grant

\$50K from each, total \$100K per year

2008-2011; startup 6/08

Data, archivist (Yrs 1-3), SW development (Yrs 1-2)

USGS Cooperative Agreement

\$50K per year (FY2009 –FY2013; startup 11/08)

Archived data and tasking, mainly for volcano targets

New NSF/NASA/USGS funding

Additional data, Tasking, Technical staff time

\$370,545 FY2011

Tracking WInSAR Data Budget Spending

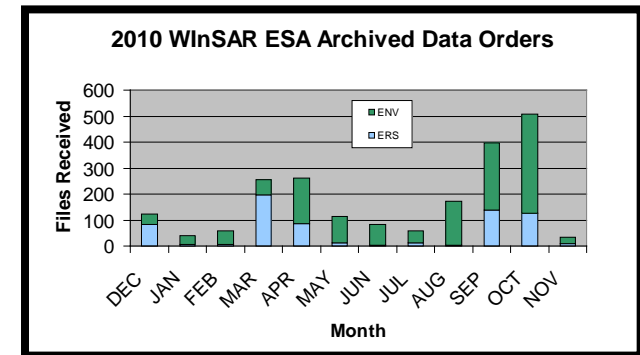
winsar data costs.xls								
	A	B	C	F	G	H	I	
1	winsar data costs							
2			cost known in euro, but final cost is exchange rate dependent					
3			projected cost, depends on current/future orders (no invoice in hand)					
4								
5				WInSAR				
6	time frame	satellite	invoice #	direct	indirect	total		
24	Feb-2009	Envisat	20090000007-IN	\$904.04	\$144.01	\$1,048.05		
25	Mar-2009	ERS	No ERS activity	\$0.00	\$0.00	\$0.00		
26	Mar-2009	Envisat	20090000039-IN	\$2,320.70	\$369.69	\$2,690.39		
27	Apr-2009	ERS	20090000082-IN	\$287.40	\$45.78	\$333.18		
28	Apr-2009	Envisat	20090000081-IN	\$7,271.79	\$1,158.40	\$8,430.19		
29	May-2009	ERS	No ERS activity	\$0.00	\$0.00	\$0.00		
30	May-2009	Envisat	20090000098-IN	\$6,279.71	\$1,000.36	\$7,280.07		
31	Jun-2009	ERS	2009000100-IN	\$2,085.66	\$332.25	\$2,417.91		
32	Jun-2009	Envisat	20090000099-IN	\$7,437.43	\$1,184.78	\$8,622.21		
33	Jul-2009	ERS	2009000117-IN	\$975.75	\$155.44	\$1,131.19		
34	Jul-2009	Envisat	2009000119-IN	\$7,136.91	\$1,136.91	\$8,273.82		
35	Aug-2009	ERS	2009000155-IN	\$1,267.74	\$201.95	\$1,469.69		
36	Aug-2009	Envisat	2009000156-IN	\$8,701.18	\$1,386.10	\$10,087.28		
37	Sep-2009	ERS	2009000166-IN	\$269.43	\$42.92	\$312.35		
38	Sep-2009	Envisat	2009000167-IN	\$7,749.85	\$1,234.55	\$8,984.40		
39	Oct-2009	ERS	2009000221-IN	\$414.70	\$66.06	\$480.76		
40	Oct-2009	Envisat	2009000220-IN	\$6,791.00	\$1,081.81	\$7,872.81		
41	Nov-2009	ERS		\$245.05	\$39.04	\$284.09		
42	Nov-2009	Envisat		\$7,423.80	\$1,182.61	\$8,606.41		
43	Dec-2009	ERS		\$245.05	\$39.04	\$284.09		
44	Dec-2009	Envisat		\$7,423.80	\$1,182.61	\$8,606.41		
45	Jan-2010	ERS		\$245.05	\$39.04	\$284.09		
46	Jan-2010	Envisat		\$7,423.80	\$1,182.61	\$8,606.41		
47	Feb-2010	ERS		\$245.05	\$39.04	\$284.09		
48	Feb-2010	Envisat		\$7,423.80	\$1,182.61	\$8,606.41		
49								
50	TOTAL			\$92,720.99	\$14,770.45	\$107,491.45		
51								
52								

- **No invoices received for 2010 from ESA, due to data policy change**
- **Data funds expended in the grant to date: \$87K**
- **Data funds budgeted through NSF/NASA for through May 2011: \$168K**

WInSAR Holdings Summary

UNAVCO WInSAR Searchable Catalog

- 2.0 Tb
- ERS: 7,529 frames
 - increase of 733 from December 2009
- Envisat: 3,675 frames or swaths
 - increase of 1,385 from December 2009



EarthScope SAR Holdings Summary

- ERS: 55,255 frames (sources: ASF and ESA)
- Envisat: 8,860 frames (source: ESA)
- Radarsat-1: 52,870 frames (source: ASF)

2010 Tasks Accomplished

- Annual report submitted for WInSAR Grant
- Proposal to EarthScope and I&F budget resubmitted, funding received from NSF, NASA, USGS
- Orders submitted for requested ESA scenes
2,100 ERS/Envisat scenes ordered, received, ingested
- 2,300 Envisat tasking submitted for WInSAR, USGS targets
- Ordering and data management for Supersites
 - 3,700 Envisat and 3,700 ERS

2011 Plans

- Proceed with general WInSAR ordering
- Supersite support
- Long list of software/website tasks
 - Unify search for EarthScope, WInSAR, and Supersites holdings
 - Merge of metadata in the database – now in internal testing
 - ESA data from GeoEarthScope downloadable like WInSAR
 - Complete related search interface enhancements
 - When searching or requesting ESA orders, see all available WInSAR, EarthScope and Supersites holdings
 - General web site improvements
- Systems/storage upgrades

New Data Search Features for SAR Data from UNAVCO

at the UNAVCO Booth

Today 5-6 pm

Select Mission:

Select data source (Ctrl for multiple selections):
 ESA track & frame specifications
 UNAVCO WinSAR holdings
 UNAVCO GeoEarthscope holdings
 Supersites holdings

Show:
 Frame markers: yes no
 Frames: yes no
 Tracks: yes no

Paths:
 Ascending paths: yes no
 Descending paths: yes no

Latitude range:
 Min: Max:

Longitude range:
 Min: Max:

Date Limits:
 From: Year: Mon: Day:
 To: Year: Mon: Day:

Track, frame, orbit (ESA scenes):
 Track:
 Frame min: max:
 Orbit min: max:

Redraw map style:
 Show SAR search area:
 Google Maps style zoom & pan:

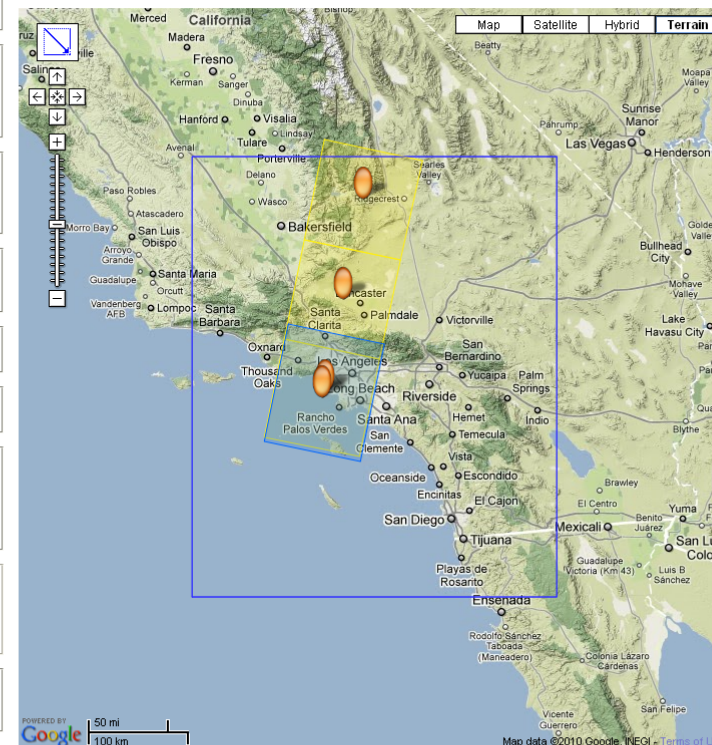
Search & Redraw map

Start over

[Result table for Download and ordering](#)

[Download KMZ](#)

UNAVCO Unified SAR Archive Search Interface



UNAVCO WinSAR holdings
 Mission: ERS-2, Datasource: UNAVCO WinSAR holdings, Scene(s): 0
 Map shows archive scenes on descending paths centered in search area
 Frame markers: = SAR data available from UNAVCO

UNAVCO GeoEarthscope holdings
 Mission: ERS-2, Datasource: UNAVCO GeoEarthscope holdings, Scene(s): 3
 Map shows archive scenes on descending paths centered in search area
 Frame markers: = SAR data available from UNAVCO