

NOAA@NSIDC SCICEX Effort

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SCICEX SAC Meeting Jan. 27 & 28 Washington D.C.



Outline

- My goal for this meeting
- Who's looking for the data
- ♦ Where are we with locating data
- ◆ Vision for SCICEX Web site
- ◆ What we need from SCICEX SAC





Goal for this Meeting

- Main Goal:Fill in the holes in the data inventory table
- Other Goals:
 - Get a sense of when the next SAMs will be
 - Ideas for new web site

Cruise (Year and Submarine)	CTD Data	XCTD Data	Mutriera Dottle Data	ULS Data	Bathymetry from SDRS	Flaw Ballsymetry from SCAMP
	Two sources: SOCIEX Hydrographic Date, 1983 at HCAR BOL. CRESTATION: Cota Temperature and saintly measurements, 1993 at MOCC. Cresoristics: Cota	Temperature, self-82, temporative, and lockers sourcely deter- tive motioned some and KTD ceates, 1993, 1994, 1994, 1994, 1994, 1994, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999, 1999	Two sources: Temperature, salinity, and nutrient measurements, 1993 at MOOC Cessoriation: Cata SOCIEX Disposited Benium Data, 1993, 1993 at MOAR (Co., Cessoriation: Cata)	SOCEX U.S data are part of Submarine Upward Looking Cours (se Draft Profile Data and Substock case set at MSOC Geographic Code	These disk will be available from MOC in the ever future. To contain the data now, contact MOC SOCIS project manager, acc solutions. Additionally, and the second social solutions (MCCQ) used these data to create a digital data base that contains as available bathymetric data north of 64° M.	N/A. The SCAMP instrument was not abound this submerine.
	LDEO SCICEX Place - Data	 Temperature, salinty, topsounder, and bottom sounding 	SCICEX Dissolved Startum Data, 1993-1997 at MCAPLEOL Coscilidad - Coda	Not available. Newigation-recorder had a mathunction, so data are unusable.	These disk will be available true-MGOC in the near halve. To colors the disk now, content MGDC SCREEF project manager, <u>Ann.</u> "Motivated." Additionable, the presentational flatformatics. Close to the Antice Count (SEAC) used these disks to create a digital disks base that contains at available bathymetric data north of 64° M.	N/A. The SCAMP instrument was not abound this submarine.
1996-UGS Pogy	$\left(\ \right)$		Two sources: Nutrient date and bottle seinbler, 1996 et LD60 LD60 SOCKK Regs : Nutrient Cots : State Seinbler, Cots SOCKK Regs : Nutrient T903-1903 et NCAN BOL Description : Cots	SCOEX U.S data are great of Softmarrine (gweeze Localing Sons, I've Dust Profile Duta and Statistics data set at HSDC (essension - Cota	These data will be available hope NGCS in the near future. To colors the date new context NGCS SOURE project energies, <u>600 Montesses</u> . Auditornally, <u>800 SOURCE SOURCE</u> and <u>800 SOURCE</u> COLORS Additionally. Additionally, <u>800 SOURCE</u> SOURCE SOURC	NIA. The SCAMP instrument was not abound this submarine.
Archertish:	SOCEX Hydrographic Date, 1997 and 1999 at NCAR BOX, Crescristion - Ceta	from onboard soner and XCTD casts, 1993, 1995, 1996,	SOCEX Dissolved Barium Data, 1993-1997 st NCAR SOL Cescration - Ceta	SOCIEX U.S. date are get of Submarine Operand Locking Source for Draft Frontile Outs- are Submarine date set at MSDC Cescristion - Ceta	These data will be available from MOCC in the near future. To obtain the data now, contact MGCC SOCID project manager, ADD MODES are as a series of the ADD COCK AND ADD ADD ADD ADD ADD ADD ADD ADD ADD	NOA. The SCAMP instrument was not abound this submarine.
1996 USS Hewkbill	SOCEX Hydrographic Date, 1997 and 1999 at NCAR BOX, Cesszistion : Cota	Temperature, selinity, topocunder, and bottom counding data from ordinard cores and ACTD cests, 1993, 1995, 1996, 1996, 1999, 1999, and 2001 at HOOC Description - Cests		SOCEX.U.S data are part of Softmarine Upward Looking Sonar Ive Draft Findin Data and StateSociation set at NSDC Cescristion : Ceta	These data will be evaluate from NOCC in the new future. To obtain the idea rows, context NOCC SOCID project manager, <u>Acco</u> Motorasca. Additionable, the international Betweetic Cheet of the Actio Ocean CEC_ACC weed motor data to create a state onto tools and of available betweeting data notes as of the Actio Ocean as available betweeting data notes of 647 M.	These data will be available from NOOC in the near febure.
1999-LGS Hewith	Sel Mount CTO, 1999 at IMS MS SOCEX-99 Page - Cate	There Sources: Temperature, salinity, topocunder, and bottom sounding data than onboard sonar and XCTO cests, 1990, 1996, 1996, see 2001 at NOOC CRESCASO - DO BOTTOM - DO BO		SOCEX.U.S date are part of Sottmarrine Upward Looking Sonar Ive Draft Profile Data and Statistics date set at MSOC Description - Ceta		These olds will be available from MOCC in the near future.
2000 USS L Mondel Filvers (SAM)				SDCEX ULS date are part of Submanine Upward Looking Soner ice Draft Profile Data and Statistics date set at NSIDC Coscosion: Code		N/A. The SCAMP instrument was not aboard this submarine.
2001 USS SERWIEN (SAM)		Temperature, sainty, topsounder, and tottom sounding data tron proposal some and XCTD data, 1993, 1995, 1996, 1997, 1996, 1995, and 2004 of NODC Cescristion - Calls			\	Non. The SCAMP instrument was not abound this submarine.
2003 USS HIMAUN (SAM)					/	NIA. The SCAMP instrumen visc not aboard this submarke.
2005 USS Set Lake City (SAM)				SOCISY ULS date are part of Submarine Upward Looking Sonar Ice Craft Profile Data and Statistics date set at MSICC Secretion : Craft		N/A. The SCAMP instrument was not aboard this submarine.

Who's Looking at the Data

- People are looking at jump page: 1000+
 hits since going live in March 2010
- Received emails regarding SCICEX data:
 CTD, bathymetric, and ULS data



Google analytics graph, March 1 – December 31 2010

Locating Data Effort

- The SCICEX Data Inventory lists where to find known data (went live August 2010): http://nsidc.org/noaa/scicex/data_inventory.html
- Located majority of the data from the dedicated missions
- Bathymetry data found, not available yet (Need processed SCAMP data)
- Missing:
 - 1996 CTD
 - 1998 and 1999 nutrient bottle data

Locating Data Effort Cont'd

- Fewer data have been found for the 4 SAMs (2000, 2001, 2003, and 2005)
- Missing:
 - CTD, Nutrient Bottle Data, and Bathymetry for all 4 (were measurements taken for these?)
 - XCTD for 2000, 2003, and 2005
 - ULS for 2001 and 2003

Locating Data Effort Cont'd

- Some SCICEX data in the these atlases:
 - SDRS bathymetric data in NGDC's IBCAO
 - PSC Unified Sea Ice Thickness CDR
 - PSC Hydrographic Climatology (PHC)

Data Inventory Table

http://nsidc.org/noaa/scicex/data_inventory.html

Cruise (Year and Submarine)	CTD Data	XCTD Data	Nutrient Bottle Data	ULS Data	Bathymetry from SDRS	Raw Bathymetry from SCAMP
1993 USS Pargo	Two sources: SCICEX Hydrographic Data, 1993 at NCAR EOL Description: Data Temperature and salinity measurements, 1993 at NODC Description: Data	Temperature, salinity, topsounder, and bottom sounding data from onboard sonar and XCTD casts, 1993, 1995, 1996, 1997, 1998, 1999, and 2001 at NODC <u>Description</u> : <u>Data</u>	Two sources: • Temperature, salinity, and nutrient measurements, 1993 at NODC <u>Description</u> : <u>Data</u> • SCICEX Dissolved Berium Data, 1993-1997 at NCAR EOL <u>Description</u> : <u>Data</u>	SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description: Data	These data will be available from NGDC in the near future. To obtain the data now, contact NSIDC SCICEX project manager, Ann Windnagel. Additionally, the International Bathymetric Chart of the Arctic Ocean (IBCAO) used these data to create a digital data base that contains all available bathymetric data north of 64° N.	N/A. The SCAMP instrument was not aboard this submarine.
1995 USS Cavalla	Surface Seabird CTD, 1995 at LDEO LDEO SCICEX Page :: Data	Two Sources: Temperature, salinity, topsounder, and bottom sounding data from onboard sonar and XCTD casts, 1993, 1995, 1996, 1997, 1998, 1999, and 2001 at NODC Description: Data XCDT casts, 1995 at LDEO LDEO SCICEX Page: Data	SCICEX Dissolved Barium Data, 1993-1997 at NCAR EOL Description :: Data	Not available. Navigation recorder had a malfunction, so data are unusable.	These data will be available from NGDC in the near future. To obtain the data now, contact NSIDC SCICEX project manager, <u>Ann Windnagel</u> . Additionally, the <u>International Bathymetric Chart of the Arctic Ocean (IBCAO)</u> used these data to create a digital data base that contains all available bathymetric data north of 64° N.	N/A. The SCAMP instrument was not aboard this submarine.
1996 USS Pogy	CTD	Temperature, salinity, topsounder, and bottom sounding data from onboard sonar and XCTD casts, 1993, 1995, 1996, 1997, 1983, 1999, and 2001 at NODC Description: Data	Two sources: Nutrient data and bottle salinities, 1996 at LDEO LDEO SCICEX Page: Nutrient Data: Bottle Salinity Data SCICEX Dissolved Barium Data, 1993-1997 at NCAR EOL Description: Data	SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description: Data	These data will be available from NGDC in the near future. To obtain the data now, contact NSIDC SCICEX project manager, <u>Ann Windnagel</u> . Additionally, the <u>International Bathymetric Chart of the Arctic Ocean (IBCAO)</u> used these data to create a digital data base that contains all available bathymetric data north of 64" N.	N/A. The SCAMP instrument was not aboard this submarine.
1997 USS Archerfish	SCICEX Hydrographic Data, 1997 and 1998 at NCAR EOL <u>Description</u> :: <u>Data</u>	Temperature, salinity, topsounder, and bottom sounding data from onboard sonar and XCTD casts, 1993, 1995, 1996, 1997, 1998, 1999, and 2001 at NODC <u>Description</u> : <u>Data</u>	SCICEX Dissolved Barium Data, 1993-1997 at NCAR EOL Description :: Data	SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description: Data	These data will be available from NGDC in the near future. To obtain the data now, contact NSIDC SCICEX project manager, <u>Ann Windnagel</u> . Additionally, the <u>International Bathymetric Chart of the Arctic Ocean (IBCAO)</u> used these data to create a digital data base that contains all available bathymetric data north of 64° N.	N/A. The SCAMP instrument was not aboard this submarine.
1998 USS Hawkbill	SCICEX Hydrographic Data, 1997 and 1998 at NCAR EOL <u>Description</u> :: <u>Data</u>	Temperature, salinity, topsounder, and bottom sounding data from onboard sonar and XCTD casts, 1993, 1995, 1996, 1997, 1998, 1999, and 2001 at NODC <u>Description</u> : <u>Data</u>		SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description: Data	These data will be available from NGDC in the near future. To obtain the data now, contact NSIDC SCICEX project manager, <u>Ann Windnagel</u> . Additionally, the <u>International Bathymetric Chart of the Arctic Ocean (IBCAO)</u> used these data to create a digital data base that contains all available bathymetric data north of 64° N.	These data will be available from NGDC in the near future.
1999 USS Hawkbill	Sail Mount CTD, 1999 at IMS IMS SCICEX-99 Page:: Data	Two Sources: • Temperature, salinity, topsounder, and bottom sounding data from onboard soner and XCTD casts, 1993, 1995, 1996, 1997, 1998, 1999, and 2001 at NODC <u>Description</u> :: <u>Data</u> • XCTD data, 1999 at IMS <u>IMS SCICEX-99 Page</u> :: <u>Data</u>	Bottle	SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description: Data	These data will be available from NGDC in the near future. To obtain the data now, contact NSIDC SCICEX project manager, <u>Ann Windhagel</u> . Additionally, the <u>International Bathymetric Chart of the Arctic Ocean (IBCAO)</u> used these data to create a digital data base that contains all available bathymetric data north of 64° N.	These data will be available from NGDC in the near future.
2000 USS L Mendel Rivers (SAM)		XCTD	Data	SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description:: Data		N/A. The SCAMP instrument was not aboard this submarine.
2001 USS Scranton (SAM)	CTD	Temperature, salinity, topsounder, and bottom sounding data from onboard sonar and XCTD casts, 1993, 1995, 1996, 1997, 1998, 1999, and 2001 at NODC <u>Description</u> : <u>Data</u>		ULS	Bathymetry	N/A. The SCAMP instrument was not aboard this submarine.
2003 USS Honolulu (SAM)	CTD	VCTD				N/A. The SCAMP instrument was not aboard this submarine.
2005 USS Salt Lake City (SAM)		ACTO		SCICEX ULS data are part of Submarine Upward Looking Sonar Ice Draft Profile Data and Statistics data set at NSIDC Description: Data		N/A. The SCAMP instrument was not aboard this submarine.

Vision for SCICEX Web Site

- More than just a jump page...
- Currently imbedded in NOAA@NSIDC Web site
- All info crammed in 2 pages



Vision for SCICEX Web Site

Navigation

- Make it its own site http:nsidc.org/scicex
- Have own navigation and header
- Pages for Overview,
 Data Inventory,
 References, Gallery,
 Personnel, News
- Slideshow & See Also

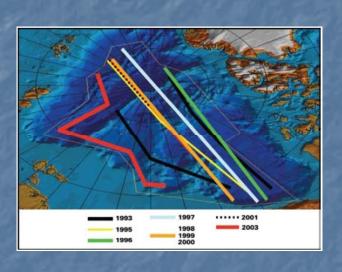


Example page from IceBridge Project

See Also & Related Links

What We Need from You

- Help fill in data table
- SCICEX logo: Is there one?
- Crew for the past SAMs
- When are the next SAMs
- New publications
- Processed SCAMP data
- High-res version of submarine tracks from Phase II Plan (what about 2005 track?)
- SCICEX Photos



Thank You!



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