



NDSF Telecommunications Study



Publication is imminent!

Goal: NDSF berth space reduction

Bottom line: primary obstacles are not technical or financial, they are operational

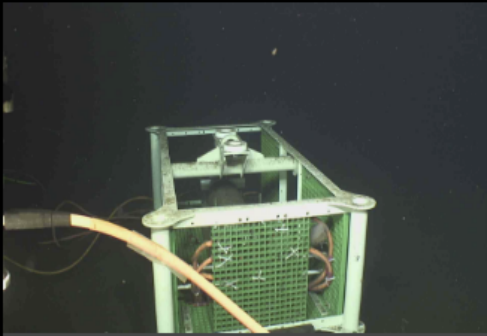
- WHOI Tech Report available online at publication
- WHOI Dept Seminar December 20th, 12:15 pm
 - http://www.whoi.edu/home/whoiBroadcast/livewhoi_854.html



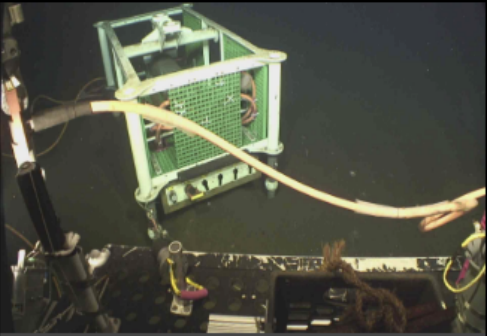
NDSF Telecommunications Study/Data



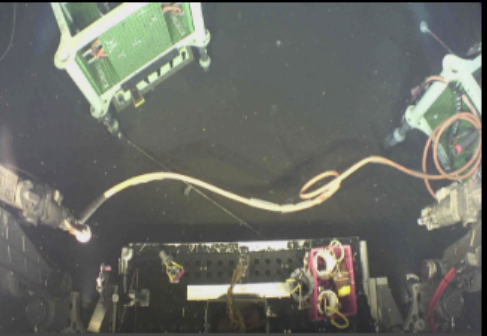
Jason Virtual Control Van - Google Chrome
 4dgeo.whoi.edu/webdata/virtualvan/html/VV-rr1713/index.html



MONITOR 1: SciCam



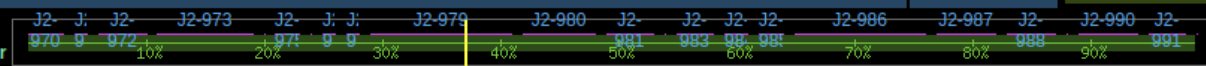
MONITOR 2: PilotCam



MONITOR 3: BrowCam

DAQ.rr1713.Jason Lowering: J2-979		Time: 2017/07/31 14:16:57	Hdg: 179.84 * Lat: 45.49004722 N * Lon: 129.45246800 W	Alt: 0.00 Depth: 2605.47 Bathy: 2605.47	DegC: Cond: Salin: SVel: MagX: 16420.0 MagY: 15133.3 MagZ: 44820.0 MagT: 50074.6
Type: ASNAP	NavSrc: RNV.JAS2.LBL.v1	AttSrc:	X: 21015.887661 Y: -11106.153060 Z: Pitch: -2.8 Roll: 1.4		
ReNav	OrigLat: 45.49007832 N	OrigLon: 129.45245646 W			
	OrigX: 21017.38	OrigY: -11100.39	DeltaX: -1.49	DeltaY: -5.76	
Event:					

Cruise Timebar



25635 of 65731

Go to 25635

RefreshRate: 5

Stats Nav TS

Export EViewer

Show All

Find 2017/07/31 14:16:57

show all

results only

FIRST STOP PLAY DISPLAY LAST

Help

25635. 2017/07/31 14:16:57 ASNAP

25636. 2017/07/31 14:17:02 ASNAP

rr1713 - Juan de Fuca

CRUISE INFO | SELECT ANOTHER CRUISE

Jason Virtual Control Van

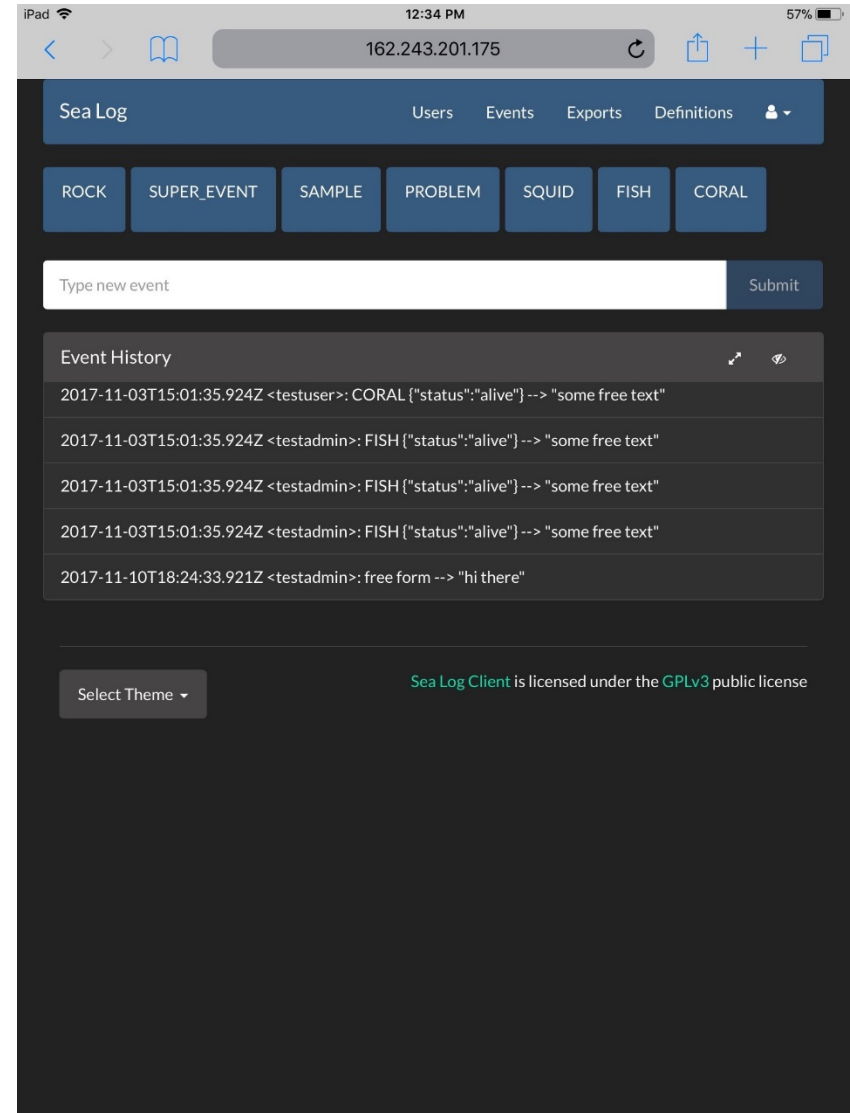
javascript:OpenImageWin('/DAQ/rr1713/Jason/Src3/Images0026/BrowCam.20170731_141657.jpg')



NDSF Data



- Events are the entry point to NDSF data
- Current event access is through VV and AFG (vintage 2002)
- Current event entry is through event logger (*Jason*) and time-based system (*Alvin*)
- New event logger developed for *Alvin*
 - Being extended to frame grabbing
 - Support for *Jason/Sentry* built into capabilities
 - Same back end, differing front ends





NDSF Data



- Next: creation of a replacement for VV/Frame Grab Analysis System
- Will be built on a modern database back end
- Support via RESTful API (multiple front ends possible)
- Other new capabilities (currently being scoped) include:
 - Generalization of events
 - Ingest of non-real time data (e.g. still camera)
 - Editing of events
- Incremental replacement strategy is important