



OBSIC 2020 Experiment Schedule



OBS Type	OBSIC Fleet
Short-Period OBS	30
Unshielded Broadband OBS with Guralp CMG-3T and DPG	30
Unshielded Broadband OBS with Guralp CMG-3T, Kinometrics Episensor Strong-Motion Accelerometer and DPG	10
Unshielded Broadband OBS with Nanometrics Trillium Compact and DPG*	20
Unshielded Broadband OBS with Nanometrics Trillium Compact and APG**	9
Shielded Broadband OBS with Nanometrics Trillium Compact and DPG***	15
Shielded Broadband OBS with Nanometrics Trillium Compact and APG*	20

OBSIC: 104 Broadband OBS (5+ variants); 30 short-period OBS (1 variant)

Other: 71 SIO broadbands (34 x T-240; 7 x T-40); 16 LDEO broadbands; 72 SIO short-period (63 x conventional, 2 x flips, 7 x LPSPs)



OBS Experiments Supported by OBSIC 2018 – Sept. 2019

- AACSE Deploy (July 2018) (LDEO, WHOI)
- Shillington Phase 1 (Sept./Oct. 2018) (SIO and WHOI)
- USGS New England Seamounts (Nov. 2018 – Sept., 2019) (WHOI)
- Wilcock Bransfield Strait Deploy (Jan. 2019) (WHOI)
- Shillington Phase 2 (April/May 2019) (WHOI)
- Gaherty Leg 2 (May/June 2019) (SIO)
- AACSE Recovery (Aug./Sept. 2019) (LDEO, WHOI)



Scheduled OBS Experiments 2019/2020

<i>Gaherty</i> ORCA Year 2 Deployment: 11/12/2019 – 12/05/2019 Papeete, Tahiti to Papeete, Tahiti R/V Kilo Moana	30 BBOBS SIO
<i>Boettcher</i> Gofar Year 1 Deployment: 11/16/2019 – 12/14/2019 San Diego to Manzanillo R/V Atlantis	13 BBOBS; 10 SMOBS, 21 SIO SPOBS; 7 Abalone WHOI and SIO
<i>Wilcock</i> Bransfield Strait Recovery: 02/08/2020 – 03/06/2020 Ushuaia (Argentina) to Punta Arenas (Chile) R/V Hesperides (Spanish)	15 SPOBS WHOI
<i>Canales</i> Cascadia Active Source (2-ship): 05/03/2020 – 05/07/20 and 06/16/2020 – 07/07/2020 Newport to Newport R/V Oceanus	60 SPOBS; 115 drops SIO and WHOI

350 nodes from *inApril* (Norway) to be deployed by commercial ROV (*Pelagic Research Services*, Stennis Space Center, MS). Nodes carry a 14 Hz 3-component geophone and a hydrophone.

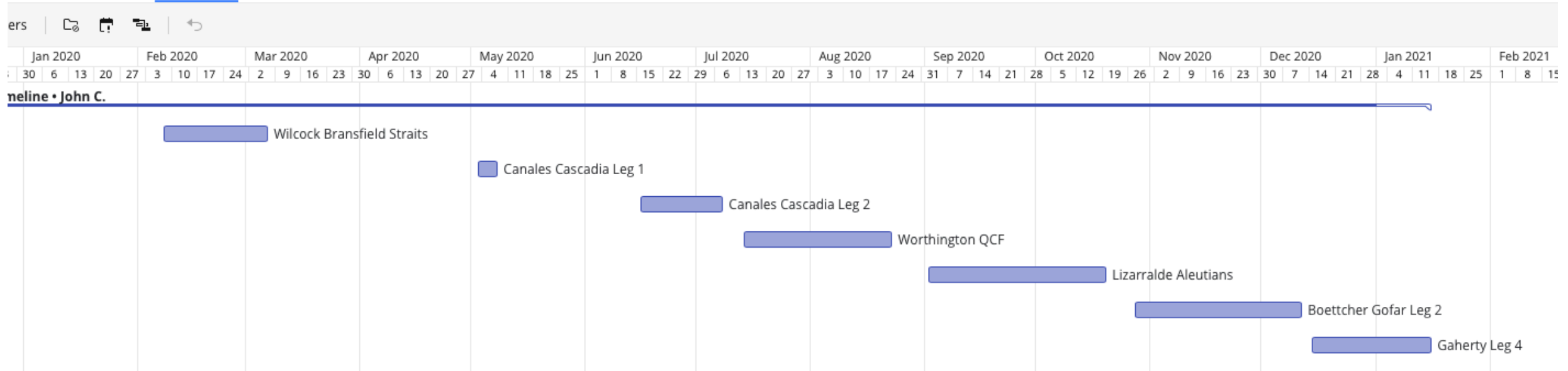


Scheduled OBS Experiments 2019/2020 ctd

<i>Worthington</i> Queen Charlotte Fault (2-ship): 07/14/2020 – 08/22/2019 Ketchikan to Ketchikan R/V Marcus Langseth and Canadian Coastguard Vessel Tully Japanese SPOBS, Canadian BBOBS	28 BBOBS (1-year); 35 SPOBS; 149 SPOBS drops WHOI, SIO
<i>Lizarralde</i> Aleutians Active-Source: 09/02/2020 – 10/19/2020 Dutch Harbor to Dutch Harbor R/V Marcus Langseth	38 SPOBS; 97 drops SIO and WHOI
<i>Boettcher</i> Gofar Year 2 Deployment/Recovery: 10/28/2020 – 12/11/2020 San Diego to Papeete Tahiti R/V Revelle	13 BBOBS; 10 SMOBS; 28 SPOBS WHOI and SIO
<i>Gaherty</i> ORCA Year 2 Recovery: 12/15/2020 – 01/15/2021 Papeete, Tahiti to Auckland, NZ R/V Revelle	30 BBOBS SIO



Scheduled OBS Experiments 2020





OBS Experiments Recommended for Funding

- *Laske* (NE Pacific. 40–50 Myr lithosphere; 25 T-240 BBOBS)
- *Hooft* (Galapagos; 53 BBOBS for 15 months)
- *Wei* (Tonga, Samoa 30 BBOBS for 18 months)

