

**Vessels providing Quality Assured Sea Surface Temperature (SST) data streams to the
Australian Ocean Data Network (portal.aodn.org.au) and the Global
Telecommunications System (GTS)**

Updated: 24th January 2024

<i>Vessel</i>	<i>Callsign</i>	<i>IMOS Data Start-End (if no end date then up to present)</i>	<i>SST Sensor</i>	<i>Sensor Depth (m)</i>	<i>Data Interval* (minutes)</i>	<i>Data Uploaded to GTS (frequency, format)</i>
RV Southern Surveyor	VLHJ	4 Feb 2008 – 16 Oct 2013	SBE 3	5.5	1 (averaged) 180 (instantaneous)	hourly TRACKOB 3 hourly SHIP (from 10 Oct 2008)
RV L'Astrolabe	FHZI	14 Dec 2008 – 7 Mar 2017	SBE 38	4	1 (averaged) 60 (instantaneous)	< 40 days delayed post-cruise TRACKOB Hourly SHIP (from 30 Dec 2008)
RSV Aurora Australis	VNAA	27 Jan 2008 – 25 Mar 2020	SBE 38	5	1 (averaged) 180 (instantaneous)	15-minute TRACKOB 3 hourly SHIP (from 12 Oct 2008)
PV SeaFlyte (Rottnest Is Ferry)	VHW5167	30 Apr 2008 – 29 Dec 2020	SBE 38	0.1 - 0.5	1 (averaged)	Daily TRACKOB
PV Fantasea One (Whitsundays Ferry)	VJQ7467	5 Nov 2008 - 29 Mar 2010	AD590 EI4000.4ZL (radiometer)	1.4 0	1 (instantaneous) 1 (averaged)	Daily TRACKOB No
PV Spirit of Tasmania II (Bass Strait Ferry)	VNSZ	18 Dec 2008	SBE 48	1.5 - 2	60 (instantaneous)	Hourly SHIP
MV Stadacona	C6F59	13 Aug 2009 – 3 Jun 2019	SBE 48	2 - 7	60 (instantaneous)	Hourly SHIP
MV Portland	VNAH	20 Jun 2009 – 10 Nov 2015	SBE 48	4 - 9	60 (instantaneous)	Hourly SHIP
MV Highland Chief	VROB	30 Sep 2009 – 19 Nov 2014	SBE 48	3 - 8	60 (instantaneous)	Hourly SHIP
MV Iron Yandi	VNVR	10 Feb 2010 – 18 Jan 2012	SBE 48	1 - 10	60 (instantaneous)	Hourly SHIP
PV Pacific Sun	9HA2479	12 Dec 2010 – 8 Jul 2012	SBE 48	1.5	60 (instantaneous)	Hourly SHIP

RV Cape Ferguson	VNCF	31 Mar 2009	SBE 38	1.9	1 (averaged)	< 40 days delayed mode TRACKOB (from 5 Dec 2010) and real-time daily TRACKOB (from 2 Sep 2012) No
RV Solander	VMQ9273	24 Feb 2010	SBE 38	1.9	1 (averaged)	< 40 days delayed mode TRACKOB (from 5 Dec 2010) and real-time daily TRACKOB (from 2 Sep 2012)
RV Tangaroa	ZMFR	27 Apr 2011	SBE 38	3	1 (averaged) 60 (instantaneous)	Daily TRACKOB (from 14 Sep 2011) Hourly SHIP (from 9 Apr 2009)
MV Pacific Celebes	VRZN9	11 May 2008 – 24 Mar 2012	Aanderaa 4050 SBE 48	12 8	5 (instantaneous) 5 (instantaneous)	6 hourly TRACKOB (from 14 Sep 2011) Hourly SHIP (from 9 Apr 2011)
RV Linnaeus	VHW6005	1 Dec 2012 – 23 Mar 2015	SBE 38	0.5	1 (averaged)	Daily TRACKOB (from 21 Dec 2011)
MV Xutra Bhum	HSB3402	3 Jul 2012 – 13 Apr 2013	SBE 48	8.5	1 (median)	Hourly TRACKOB (from 5 Jul 2012)
MV Wana Bhum	HSB3403	5 Aug 2012 – 16 Apr 2013	SBE 48	8.5	1 (median)	Hourly TRACKOB (from 10 Aug 2012)
RTM Wakmatha	9V2768	11 Jul 2014 – 28 May 2015	SBE 48	3-4 (not loaded), 8-9 (loaded)	1 (averaged)	Not supplied to GTS – only to IMOS Ocean Portal
OOCL Panama	VRDU8	6 Jan 2015 – 17 Mar 2017	SBE 48	8.2	1 (median)	Hourly TRACKOB (from 7 Jan 2015)
OOCL Houston	VRDE7	30 Aug 2016 – 24 Mar 2017	SBE 48	8.2	1 (median)	Hourly TRACKOB (from 30 Aug 2016)
OOCL Houston (re-installation)	VRDE7	21 Jan 2020 – 6 Jul 2020 [#]	SBE 48	8.2	15 (instantaneous)	Hourly TRACKOB (from 19 Mar 2020)
OOCL Houston (fixed again in March 2022)	VRDE7	8 Mar 2022	SBE 48	8.2	15 (instantaneous)	Hourly TRACKOB (from 8 Mar 2022)
RV Investigator	VLMJ	24 Mar 2016	SBE 38 ISAR-5D	5.9 - 9.9 skin	60 1 (averaged) 2-3 (instantaneous)	Hourly SHIP (from 10 Apr 2016) Hourly TRACKOB (from 10 Apr 2016) Not supplied to GTS – only to

						IMOS Ocean Portal
OOCL Texas	VRDP4	17 Jun 2019 – 15 Mar 2020 [#]	SBE 48	8.2	15 (instantaneous)	Hourly TRACKOB (from 17 Jun 2019)
MV Harbour Master (Rottnest Is Ferry)	XPJ6VHP	7 July 2021	SBE 48 SBE 38	1.0 0.8	1 (averaged)	Daily TRACKOB (from 4 Dec 2021)
RSV Nuyina	VMIC	20 Nov 2023	SBE 38	9.3	1 (averaged)	Hourly SHIP (from 20 Nov 2023) Hourly TRACKOB (from 21 Nov 2023)

#Note: OOCL Texas SST data stream stopped since March 2020 due to equipment malfunction and lack of vessel access due to COVID restrictions.

*Note: Data interval for SST data available in IMOS format netCDF files from the AODN portal (<https://portal.aodn.org.au>) is the smallest interval (highest frequency) of those given. SHIP (FM 13) format data uploaded to the GTS are only provided at hourly intervals, with SST values rounded to the nearest 0.1°C and latitudes and longitudes to the nearest 0.1 degree. TRACKOB (FM 62) format data uploaded to the GTS are provided at a range of data intervals (as shown), with SST values rounded to the nearest 0.1°C and latitudes and longitudes to the nearest 0.01 degree.