

# MNF 2019-20 Voyage Schedule

VOYAGE #	CHIEF SCIENTIST	TITLE	AFFILIATION	START DATE	FINISH DATE	START PORT	FINISH PORT	DAYS
IN2019_DD		Dry dock		Mon 01 Jul	Tue 23 Jul	TBC		23
IN2019_E01	MNF	Calibration, Trials and Upcoming Voyage User Equipment Testing	MNF	Wed 24 Jul	Fri 02 Aug	TBC	Cairns	10
IN2019_P05		Port period Cairns		Sat 03 Aug	Mon 05 Aug	Cairns		3
IN2019_V04	Dr Joanne Whittaker	Hotspot dynamics in the Coral Sea: connections between the Australian plate and deep Earth (Allocation of days includes MNF Mobilisation and Demobilisation) <i>Supplementary projects:</i> 1. Understanding the spatial links between geomorphology and biodiversity distribution in the Coral Sea Australian Marine Park ( Lucieer) 2. Spatial and temporal variability in the distribution and abundance of seabirds (Woehler)	UTAS	Tue 06 Aug	Wed 04 Sep	Cairns	Brisbane	30
IN2019_P06		Port Period Brisbane		Thu 05 Sep	Fri 06 Sep	Brisbane		2
IN2019_V05	Dr Bernadette Sloyan	Integrated Marine Observing System: monitoring of East Australian Current property transports at 27 degrees South (multi-year) (Allocation of days includes MNF Mobilisation and Demobilisation)	CSIRO	Sat 07 Sep	Wed 02 Oct	Brisbane	Brisbane	26
IN2019_P07		Port Period Brisbane		Thu 03 Oct	Fri 04 Oct	Brisbane		2
IN2019_T02	Dr Rob Beaman	Transit 02 (Allocation of days includes MNF Mobilisation and Demobilisation) 1. Spatial and temporal variability in the distribution and abundance of seabirds (Woehler) 2. First measurements of nitrate isotopic composition in the coral sea (Erler) 3. Deep seascapes of the Great Barrier Reef: Uncovering submarine canyons and landslides (Beaman) 4. Environmental baselines for Wessel Marine Park, northern Australia (Przeslawski) 5. ORCA: Using the Investigator radar as a moving reference for the Australian operational radar network (Protat)	JCU	Sat 05 Oct	Mon 14 Oct	Brisbane	Darwin	10
IN2019_P08		Port Period Darwin		Tue 15 Oct	Thu 17 Oct	Darwin		3
IN2019_V06	Dr Alain Protat	Maritime Continent observations of atmospheric convection, biogenic emissions, ocean vertical mixing, and the Indonesian Throughflow (Allocation of days includes MNF Mobilisation and Demobilisation)	BOM	Fri 18 Oct	Thu 19 Dec	Darwin	Darwin	63
IN2019_P09		Port Period Darwin		Fri 20 Dec	Mon 23 Dec	Darwin		4
IN2019_T03	Dr Alain Protat	Transit 03 (Allocation of days includes MNF Mobilisation and Demobilisation) <i>Supplementary projects:</i> 1. ORCA: Using the Investigator radar as a moving reference for the Australian operational radar network (Protat) 2. Spatial and temporal variability in the distribution and abundance of seabirds (Woehler) 3. Microplastic in the food chain: impact on the microbial and planktonic organisms. (Leterme)	BOM	Tue 24 Dec	Thu 02 Jan	Darwin	Fremantle	10
IN2020_P01		Port Period Fremantle		Fri 03 Jan	Mon 06 Jan	Fremantle		4
IN2020_V01	Prof Mike Coffin	Development of William's Ridge, Kerguelen Plateau: tectonics, hotspot magmatism, microcontinents, and Australia's Extended Continental Shelf (Allocation of days includes MNF Mobilisation and Demobilisation) <i>Supplementary project:</i> 1. Using samples from the Kerguelen Plateau to date past West Antarctic ice sheet collapse ( Strugnelli)	UTAS	Tue 07 Jan	Fri 06 Mar	Fremantle	Fremantle	60
IN2020_P02		Port Period Fremantle		Sat 07 Mar	Mon 09 Mar	Fremantle		3
IN2020_T01	Dr April Abbott	CAPSTAN (T01) (Allocation of days includes MNF Mobilisation and Demobilisation)	MQ	Tue 10 Mar	Fri 20 Mar	Fremantle	Hobart	11
IN2020_P03		Port Period Hobart		Sat 21 Mar	Mon 23 Mar	Hobart		3
IN2020_V02	Prof Mike Coffin	Probing the Australian-Pacific plate boundary: Macquarie Ridge in 3-D (Allocation of days includes MNF Mobilisation and Demobilisation) <i>Supplementary projects:</i> 1. Recovery of mooring deployed on IN2018_V05 to investigate Antarctic Circumpolar Current dynamics (Rintoul)	UTAS	Tue 24 Mar	Sun 19 Apr	Hobart	Hobart	27
IN2020_P04		Port Period Hobart		Mon 20 Apr	Thu 23 Apr	Hobart		4
IN2020_V03	Prof Tom Trull	Integrated Marine Observing System Southern Ocean Time Series climate and carbon cycle moorings (multi-year) (Allocation of days includes MNF Mobilisation and Demobilisation) <i>Supplementary projects:</i> 1. Spatial and temporal variability in the distribution and abundance of seabirds (Woehler) 2. Iron Biogeochemical cycling at the Southern Ocean Time Series site (Ellwood) 3. Ecological and carbon sequestration role of mesopelagic organisms in the southern ocean (Kloser)	UTAS	Fri 24 Apr	Sat 09 May	Hobart	Hobart	16
IN2020_P05		Port Period Hobart		Sun 10 May	Mon 11 May	Hobart		2
IN2020_T02	Peter King	Transit 02 (Allocation of days includes MNF Mobilisation and Demobilisation) 1. Trial deployments of the Explorer AUV for advancing Australia's deep-water survey capability (King) 2. Microplastic in the food chain: impact on the microbial and planktonic organisms. (Leterme) 3. Spatial and temporal variability in the distribution and abundance of seabirds (Woehler)	MNF	Tue 12 May	Sun 17 May	Hobart	Sydney	6
IN2020_P06		Port Period Sydney		Mon 18 May	Sun 24 May	Sydney		7
IN2020_V04	Prof Jody Webster	HALO - Halimeda bioherm Origins, function and fate in the northern Great Barrier Reef (Allocation of days includes MNF Mobilisation and Demobilisation) <i>Supplementary projects:</i> 1. Linking the Biological Carbon Pump flux to microbial colonisation of sinking particles in the Southern Ocean in the Coral Sea (Puigcorb�)	USYD	Mon 25 May	Sat 27 Jun	Sydney	Cairns	34
IN2020_P07		Port Period Cairns		Sun 28 Jun	Tue 30 Jun	Cairns		3

**KEY**

Port period	Ship days in port including ship maintenance, bunkering and stores activities.	Days in current schedule	63
Operational Days	Ship days to deliver science voyages including mobilisation and demobilisation days and testing of user equipment for upcoming voyages to ensure voyage delivery can be met.	Days in current schedule	303
Special event	Special events such as AAD Festival, Floating Classrooms etc, to open ship up to public or education institutes	Days in current schedule	0
		<b>Total Days</b>	<b>366</b>