

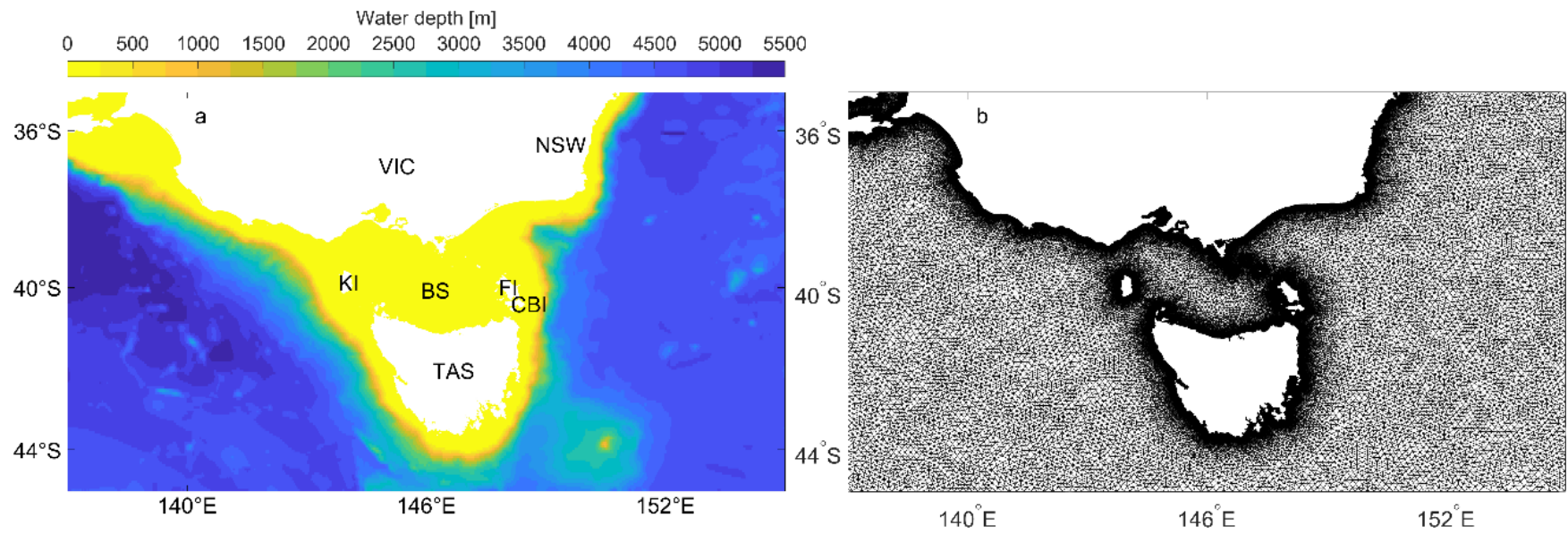


Figure 1. (a) Model domain and (b) unstructured grid (Liu et al., 2022; Liu et al., 2023).

Table 1. Model output. Noting that the wave hindcast model was extended recently to cover the period 1981-2022.

Symbol	Wave parameter	Unit	Note	Link
cge	Wave energy flux	kW/m		https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=2vilhfdlr b4whllhzkecxmaid273qez0eyj3c76jndkczuq17ya3iso6uuy8488gqiplvrffy11sqqzw5lbk5yd28le1e226kb523kvq4cxrv6eyd3yfeskoba9zxxb1adkoo8qwn9ow367vms7tel1dvydaceis8oc842k3hvf18a62gi88p4pknqcjcaovi57sbgicd8wlikgfar95nwu6iob18psjem4i0m
dir	Mean wave direction	°	nautical	https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47plvyr84g49yi4xdgtzqkh5cfj16kjr5fzic74iz15k3ed3m4uuyit0wley4rtowopwjcsf2w63hw184bntu89s k8ghwh8fvey43z226kbc5vvzteip6re79qmr623j5wht8nrgyfx2
dp	Peak wave direction	°	nautical	https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=ek1w9h3 mei4kh3l3batswy3pgmdgnhaquqb5nicvz3fbsiaaoiambwnpgp6rleouq98511olql2crf67jb6ru57ml0 d30af2uakeas59ykynarxsork619stsxku0zyjh2gkjua890ud96e7wbx59f6px5e46ted1406ue1oqp9t06 f5pi1cqhut7v487itbp2q1wnx7mj2dew83uap7gukbsk5ehpt1si4qc
fp	Peak wave frequency	/s or Hz	tp=1/fp (tp is peak wave period)	https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47plvynjq10u2hbnebid9fkk7jpaqvrsyx9o16sjvseiwnbuhirls9adsyz26cmgzgwrw8x047jks1fi2b4xt1g1 61or97tsdhdqxta5usy7qgf5x6mncepolr3rrneq1csxdikftgkjsh
hs	Significant wave height	m		https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47plvyr9y5zb7uhka4jsswp7nzb9i7u5hu4bf8xgqd9m6z1vaykb2zop8oxp21zt4a36deifwp62o5uzrfuijio bwo73zdn4pjlhakaev0x0hcxm5q80xik4jmuo3xqevsdev7qesa6t0t
phs0	Partitioned wind wave	m	partitioned wave	https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47plvynjpvrr6i3xf1illy9yaoe752n1v7pdko8erxu8khy01lxg874enkn9hbo8q26r1ex2h4d9b9hu4i5h3sd nmzevfbhcs00pc4a6bmopwdfu401mlflhpx36zsni71tmgv01wpqjy1
phs1	Partitioned primary swell	m	partitioned wave	https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47plvypdef55o3i1589g42aicy5liqmyqh2ptsfo48jtt00gp5fb1wgas42f6gay1ta0gumu4mba7hpq3gli20 o08m2lslmlm0ym4u9k2glh7g2a9id262wr1jcf0jvbw6h6cf1g5czmv
phs2	Partitioned secondary swell	m	partitioned wave	https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47plvynkrlrixu4qca4zcuevr7fka16jxpzksf7akxuso26waz9djtta04dtam1xifxcej5ry13nx4gt6axq5694dh 15q01njh279f3zbqgs0s85bg7bq20ashr2sg5k6ukurx8mhrf7889

t02	Mean wave period t02	s		https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47pl vypdntg7oh3nmrvwqg6l1w5yuomr2f48ufucwub2g7ifvhqfo1164clma6aita4tfimr8roqrmbr4z7yf30 ym6lxdx33zeld3ujb7eg8jbhn633rjcrmdmpkpdtnns91kia14m8qy6wf
wnd	Wind speed	m/s		https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47pl vyr95wn4v2vfymha6sz00lgp3s4hsl3vbpfg1ip9ee9hmhmq5gzkiywaioy5avm49inrb2p1vv8zn5x47 mko5ot39tack3dzu8lvmoln2nsz3teqiv3ptlguociekahlickt5u98vo
spec	Wave spectra	m ² /s/rad		https://mediaflux.researchsoftware.unimelb.edu.au/mflux/data/mover/index.html?token=kg48rcq q76v15kvwwsfj2iqkvmijugyydjrqr2jq8gseyh4ojrt1nw0rg3dq2k70l23lv5klxose7z8nrm7eccvx47pl vypdx72z51d6i0vbypfejosg6ovexq8n4cdzolx6cm94ouzpokyq3ne3klgi7m5y7wmsw5lxc06zu1v wsnziwkvrrup97r3l5tobrbrq43qlds76sk4xxy58lfcuucyuu988qjt8x9r

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Please refer to Liu et al. (2022) and Liu et al. (2023) for details.

References

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