

CalCOFI Station Work

Typically station operations start with the CTD, then Secchi disk (daylight-permitting), vertical net tows (Pairovet, PRPOOS) if any, then Manta and Bongo. The Secchi disk is deployed during daylight station after the CTD EXCEPT on the morning prodo stations on Lines 93.3 through 76.7, when the Secchi is usually the first station operation. Net tows may be first if the prodo station arrival time is too early for local apparent noon.

SCCOOS 20m isobath stations coordinates are adaptable to tidal or seasonal bottom variability; the objective is ~20m bottom depth

A bucket Thermometer may be deployed on all stations if TSG is unavailable

Order Occupied	CalCOFI Line	CalCOFI Sta	Lat Deg	Lat Min	Lat Hem	Lon Deg	Lon Min	Lon Hem	CTD	PAIROVET	PRPOOS	MANTA	BONGO	Approx. Bottom	Comments:
1	93.3	26.7	32	57.36	N	117	18.3	W	X	X		X	X	63	
2	93.4	26.4	32	56.94	N	117	16.38	W	X				X	20	SCCOOS 20m Isobath sta
3	91.7	26.4	33	14.58	N	117	27.9	W	X				X	20	SCCOOS lat/lon approx
4	93.3	28.0	32	54.78	N	117	23.64	W	X	X		X	X	609	
5	93.3	30.0	32	50.76	N	117	31.86	W	X	X		X	X	846	
6	93.3	35.0	32	40.74	N	117	52.32	W	X	X		X	X	616	
7	93.3	40.0	32	30.78	N	118	12.78	W	X	X		X	X	1627	
8	93.3	45.0	32	20.76	N	118	33.24	W	X	X		X	X	1376	
9	93.3	50.0	32	10.74	N	118	53.58	W	X	X		X	X	1452	
10	93.3	55.0	32	0.78	N	119	13.98	W	X	X		X	X	1588	
11	93.3	60.0	31	50.76	N	119	34.26	W	X	X		X	X	1899	
12	93.3	70.0	31	30.78	N	120	14.76	W	X	X		X	X	3931	
13	93.3	80.0	31	10.74	N	120	55.14	W	X			X	X	3848	
14	93.3	90.0	30	50.76	N	121	35.34	W	X			X	X	4109	
15	93.3	100.0	30	30.78	N	122	15.42	W	X			X	X	4132	
16	93.3	110.0	30	10.74	N	122	55.38	W	X			X	X	3868	
17	93.3	120.0	29	50.76	N	123	35.16	W	X			X	X	4061	
18	90.0	120.0	30	25.02	N	123	59.88	W	X		X	X	X	4141	
19	90.0	110.0	30	45.06	N	123	19.86	W	X		X	X	X	4017	
20	90.0	100.0	31	5.04	N	122	39.72	W	X		X	X	X	3997	
21	90.0	90.0	31	25.02	N	121	59.4	W	X		X	X	X	3879	
22	90.0	80.0	31	45.06	N	121	18.9	W	X		X	X	X	3694	
23	90.0	70.0	32	5.04	N	120	38.28	W	X	X	X	X	X	3806	
24	90.0	60.0	32	25.02	N	119	57.54	W	X	X	X	X	X	880	
25	90.0	53.0	32	39.06	N	119	28.92	W	X	X	X	X	X	1309	
26	90.0	45.0	32	55.02	N	118	56.1	W	X	X	X	X	X	1695	
27	90.0	37.0	33	11.04	N	118	23.22	W	X	X	X	X	X	1177	
28	90.0	35.0	33	15.06	N	118	14.94	W	X	X	X	X	X	344	

29	90.0	30.0	33	25.02	N	117	54.3	W		X	X	X	X	X	613	
30	90.0	28.0	33	29.04	N	117	46.08	W		X	X	X	X	X	63	
31	90.0	27.7	33	29.64	N	117	44.82	W		X				X	20	SCCOOS 20m sta
32	88.5	30.1	33	40.44	N	118	4.98	W		X				X	20	SCCOOS lat/lon approx
33	86.8	32.5	33	53.28	N	118	26.64	W		X				X	20	SCCOOS 20m
34	86.7	33.0	33	53.34	N	118	29.4	W		X	X	X	X	X	57	
35	85.4	35.8	34	1.26	N	118	50.04	W		X				X	20	SCCOOS 20m
36	86.7	35.0	33	49.32	N	118	37.68	W		X	X	X	X	X	662	
37	86.7	40.0	33	39.36	N	118	58.44	W		X	X	X	X	X	737	Santa Monica Basin 700m
38	86.7	45.0	33	29.34	N	119	19.14	W		X	X	X	X	X	1644	
39	86.7	50.0	33	19.32	N	119	39.78	W		X	X	X	X	X	78	
40	86.7	55.0	33	9.36	N	120	0.36	W		X	X	X	X	X	1201	
41	86.7	60.0	32	59.34	N	120	20.94	W		X	X	X	X	X	722	
42	86.7	70.0	32	39.36	N	121	1.98	W		X	X	X	X	X	3771	
43	86.7	80.0	32	19.32	N	121	42.84	W		X			X	X	4041	
44	86.7	90.0	31	59.34	N	122	23.58	W		X			X	X	4099	
45	86.7	100.0	31	39.36	N	123	4.14	W		X			X	X	4147	
46	86.7	110.0	31	19.32	N	123	44.58	W		X			X	X	3951	
47	83.3	110.0	31	54.66	N	124	10.2	W		X			X	X	4163	
48	83.3	100.0	32	14.7	N	123	29.52	W		X			X	X	4145	
49	83.3	90.0	32	34.68	N	122	48.66	W		X			X	X	4247	
50	83.3	80.0	32	54.66	N	122	7.68	W		X			X	X	4180	
51	83.3	70.0	33	14.7	N	121	26.52	W		X	X	X	X	X	3797	
52	83.3	60.0	33	34.68	N	120	45.24	W		X	X	X	X	X	1397	
53	83.3	55.0	33	44.7	N	120	24.54	W		X	X	X	X	X	999	
54	83.3	51.0	33	52.68	N	120	7.92	W		X	X	X	X	X	102	
55	83.3	42.0	34	10.68	N	119	30.48	W		X	X	X	X	X	134	
56	83.3	40.6	34	13.5	N	119	24.66	W		X	X	X	X	X	34	
57	83.3	39.4	34	15.9	N	119	19.62	W		X				X	20	SCCOOS 20m sta
58	81.7	43.5	34	24.3	N	119	48	W		X				X	20	SCCOOS lat/lon approx
59	81.8	46.9	34	16.44	N	120	1.5	W		X	X	X	X	X	578	Santa Barbara Basin 570m
60	80.0	50.5	34	27.96	N	120	29.34	W		X				X	20	SCCOOS 20m
61	80.0	51.0	34	27	N	120	31.38	W		X	X	X	X	X	73	
62	80.0	55.0	34	18.96	N	120	48.12	W		X	X	X	X	X	780	
63	80.0	60.0	34	9	N	121	9	W		X	X	X	X	X	2204	
64	80.0	70.0	33	48.96	N	121	50.58	W		X	X	X	X	X	3631	
65	80.0	80.0	33	28.98	N	122	31.98	W		X		X	X	X	4007	
66	80.0	90.0	33	9	N	123	13.2	W		X		X	X	X	4229	
67	80.0	100.0	32	48.96	N	123	54.3	W		X		X	X	X	4348	
68	76.7	100.0	33	23.28	N	124	19.32	W		X			X	X	4551	

69	76.7	90.0	33	43.26	N	123	37.98	W		X			X	X	4201	
70	76.7	80.0	34	3.24	N	122	56.46	W		X			X	X	4235	
71	76.7	70.0	34	23.28	N	122	14.76	W		X	X		X	X	4017	
72	76.7	60.0	34	43.26	N	121	32.88	W		X	X		X	X	930	
73	76.7	55.0	34	53.28	N	121	11.88	W		X	X		X	X	562	
74	76.7	51.0	35	1.26	N	120	55.02	W		X	X		X	X	240	
75	76.7	49.0	35	5.28	N	120	46.62	W		X	X		X	X	69	

12-bottle CTD, no more prodo stations, no secchi, no PRPOOS net tows, just Pairovet, Manta, Bongo tows

76	73.3	50.0	35	38.58	N	121	15.3	W		X	X		X	X	30	
77	73.3	55.0	35	28.62	N	121	36.54	W		X	X		X	X	1003	
78	73.3	60.0	35	18.6	N	121	57.66	W		X	X		X	X	2380	
79	73.3	70.0	34	58.62	N	122	39.84	W		X	X		X	X	4072	
80	73.3	80.0	34	38.58	N	123	21.84	W		X				X	4164	
81	73.3	90.0	34	18.6	N	124	3.66	W		X				X	3186	
82	70.0	90.0	34	52.92	N	124	28.8	W		X				X		
83	70.0	80.0	35	12.9	N	123	46.68	W		X				X	4078	
84	70.0	70.0	35	32.88	N	123	4.38	W		X	X		X	X	3845	
85	70.0	60.0	35	52.92	N	122	21.9	W		X	X		X	X	3071	
86	70.0	55.0	36	2.88	N	122	0.6	W		X	X		X	X	1304	
87	70.0	51.0	36	10.92	N	121	43.5	W		X	X		X	X		
88	66.7	50.0	36	47.16	N	122	3.36	W		X	X		X	X	1006	
89	66.7	55.0	36	37.2	N	122	24.84	W		X	X		X	X	2613	
90	66.7	60.0	36	27.18	N	122	46.32	W		X	X		X	X	2954	
91	66.7	70.0	36	7.2	N	123	29.1	W		X	X		X	X	3581	
92	66.7	80.0	35	47.16	N	124	11.7	W		X			X	X	3964	
93	66.7	90.0	35	27.18	N	124	54.12	W		X			X	X		
94	63.3	90.0	36	2.52	N	125	20.46	W		X			X	X		
95	63.3	80.0	36	22.5	N	124	37.74	W		X			X	X	4153	
96	63.3	70.0	36	42.54	N	123	54.78	W		X	X		X	X	3890	
97	63.3	60.0	37	2.52	N	123	11.7	W		X	X		X	X	2566	
98	63.3	55.0	37	12.54	N	122	50.04	W		X	X		X	X	301	
99	63.3	52.0	37	18.54	N	122	37.02	W		X	X		X	X	89	
100	60.0	53.0	37	50.82	N	123	5.94	W		X	X		X	X	87	
101	60.0	60.0	37	36.84	N	123	36.48	W		X	X		X	X	3298	
102	60.0	70.0	37	16.8	N	124	19.92	W		X	X		X	X	3999	
103	60.0	80.0	36	56.82	N	125	3.18	W		X			X	X		
104	60.0	90.0	36	36.84	N	125	46.2	W		X			X	X		