Table 1. Summary of available IMOS ANMN data from ADCP platforms. In bold are the 27 stations that have been used in the present study. The ADCP sensors on every mooring measured u and v velocities at equally spaced depth levels below or above the depth at which the sensor was located. An exception from this was mooring NRSYON at which the ADCP sensor measured u and v velocities at only one depth level.

Station Code	Start Date	End Date	Longitude (°E)	Latitude (°S)	Depth of deployment (m)
'CH070'	**5 Oct 2009**	**3 Apr 2014**	**153.30**	**30.28**	**75**
'CH100'	15 Dec 2009	13 Jan 2014	153.40	30.27	99
'GBRCCH'	9 Sep 2007	28 Mar 2013	151.97	22.39	–
'GBRELR'	4 May 2008	30 Mar 2013	152.88	21.03	–
'GBRHIN'	11 Sep 2007	7 Oct 2012	151.99	23.38	–
'GBRHIS'	13 Sep 2007	23 Mar 2013	151.95	23.51	–
'GBRLSH'	14 Jun 2008	30 May 2013	145.64	14.70	–
'GBRLSL'	2 Nov 2007	4 Jun 2013	145.34	14.34	–
'GBRMYR'	29 Oct 2007	3 Nov 2013	147.34	18.22	–
'GBROTE'	15 Sep 2007	20 Mar 2013	152.17	23.48	–
'GBRPPS'	20 Jun 2008	6 Nov 2013	147.16	18.31	–
'ITFFTB'	**27 Jun 2010**	**13 Jan 2014**	**128.48**	**12.29**	**101**
'ITFJBG'	**26 Jun 2010**	**13 Jan 2014**	**128.97**	**13.61**	**58**
'ITFMHB'	**28 Jun 2010**	**12 Jan 2014**	**128.00**	**11.00**	**140**
'ITFTIS'	**30 Jun 2010**	**11 Jan 2014**	**127.55**	**9.82**	**459**
'KIM050'	**21 Oct 2011**	**28 Jan 2014**	**121.59**	**16.39**	**53**
'KIM100'	**31 Jan 2012**	**1 Feb 2014**	**121.30**	**15.67**	**96**
'KIM200'	**1 Feb 2012**	**31 Jul 2013**	**121.24**	**15.53**	**196**
'KIM400'	**3 Feb 2012**	**31 Jan 2014**	**121.12**	**15.22**	**392**
'NRSDAR'	27 Sep 2009	19 Jun 2013	130.70	12.34	189
'NRSESP'	**18 Aug 2011**	**24 Jul 2013**	**121.85**	**33.93**	**50**

'NRSKAI'	12 Feb 2008	15 Nov 2012	136.45	35.84	109
'NRSMAI'	**21 Jul 2011**	**17 Apr 2014**	**148.23**	**42.60**	**89**
'NRSNIN'	**1 Aug 2010**	**13 Feb 2014**	**113.95**	**21.87**	**55**
'NRSNSI'	**12 Dec 2010**	**29 Mar 2013**	**153.56**	**27.34**	**64**
'NRSROT'	**25 Jul 2011**	**20 May 2014**	**115.41**	**32.00**	**49**
'NRSYON'	**22 Jun 2008**	**26 May 2013**	**147.62**	**19.31**	**30**
'PH100'	**29 Mar 2011**	**11 Mar 2014**	**151.22**	**34.12**	**115**
'PIL050'	**21 Feb 2012**	**31 Jul 2013**	**116.42**	**20.05**	**50**
'PIL100'	**20 Feb 2012**	**9 Feb 2014**	**116.11**	**19.69**	**96**
'PIL200'	**19 Feb 2012**	**9 Feb 2014**	**115.92**	**19.44**	**195**
'SAM1DS'	3 Dec 2008	5 Jun 2009	136.25	36.52	509
'SAM2CP'	**20 Oct 2008**	**19 Mar 2010**	**135.68**	**35.27**	**99**
'SAM3MS'	**19 Feb 2011**	**19 Nov 2012**	**135.90**	**36.14**	**163**
'SAM4CY'	14 Jan 2009	9 Jun 2009	136.86	36.53	117
'SAM5CB'	6 Oct 2009	15 Nov 2012	135.01	34.93	93
'SAM6IS'	4 Feb 2009	5 Jun 2009	136.59	35.50	81
'SAM7DS'	14 Dec 2009	20 Nov 2012	135.85	36.19	513
'SAM8SG'	1 Jun 2009	15 Nov 2012	136.69	35.25	–
'SEQ200'	**1 Apr 2012**	**9 Jun 2013**	**153.77**	**27.34**	**197**
'SEQ400'	1 Apr 2012	9 Jun 2013	153.88	27.33	406
'SYD100'	25 Jun 2008	4 Apr 2014	151.38	33.94	106
'SYD140'	**24 Jun 2008**	**14 May 2014**	**151.45**	**34.00**	**145**
'WACA20'	**24 Jan 2010**	**7 Mar 2014**	**115.23**	**31.98**	**210**
'WATR10'	**18 May 2011**	**14 Apr 2014**	**115.20**	**31.65**	**104**
'WATR15'	**18 May 2011**	**5 Jul 2012**	**115.13**	**31.69**	**148**
'WATR20'	**15 Jul 2009**	**19 May 2014**	**115.03**	**31.86**	**204**
'WATR50'	9 Apr 2010	11 Apr 2014	114.95	31.77	750