

## Supplement to: Two decades of current observations in the equatorial Indian Ocean

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Depth Range/ Start Date	2003-09-10	2004-10-18	2006-09-27	2008-05-27	2009-10-24	2010-09-26	2013-01-31	2014-10-29	2017-10-16
100	20–102 m 2004-10-16 0.5 h	30–127 m 2006-06-12 0.5 h							
200	138 m 2004-10-17 1 h	163 m <b>No data</b>	30–415 m 2008-05-25 1 h						
400	340 m 2004-10-05 1 h	365 m 2004-11-03 1 h	449 m 2007-05-08 1 h			30–440 m 2013-01-30 0.5 h	30–390 m 2014-10-28 0.5 h	30–385 m 2016-12-07 1 h	30–462 m 2019-08-05 1 h
500	568 m 2004-10-17 1 h	568 m 2005-12-28 1 h	501 m; 804 m 2007-12-07 1 h	Mooring line tangled because floats failed	520 m 2010-09-25 1 h	465 m 2012-05-10 0.5 h			
1000	1045 m 2004-04-20 1 h	1071 m <b>No data</b>	1007 m 2007-12-07 1 h		970 m 2010-03-11 1 h	972 m 2012-04-30 0.5 h	400–940 m 2014-10-28 0.5 h	400–913 m 2016-12-07 1 h	400–903 m 2019-08-05 1 h
1400								900–1435 m 2016-12-07 1 h	999 m 2019-08-05 1 h
2000	2080 m 2004-10-17 1 h	2106 m 2005-12-28 1 h	1993 m 2006-11-29 1 h		2010 m 2010-09-25 1 h		1950 m 2013-09-08 0.5 h	1937 m 2016-11-15 1 h	
3000						Mooring line snapped while recovering	2955 m 2014-01-03 0.5 h	2942 m 2016-12-07 1 h	
4000	4084 m 2004-10-17 1 h	4110 m 2005-12-28 1 h	4021 m 2007-12-07 1 h	4070 m 2009-08-05 1 h	4015 m 2010-09-25 1 h		3950 m 2014-02-24 0.5 h	3946 m 2016-12-07 1 h	4764 m 2019-08-05 1 h

**Table 1:** Data availability at 77°E. The column heading indicates deployment date and the row heading indicates approximate depth of the instrument. Each cell lists the actual depth, last available data date and the sampling interval (in hours). Yellow cells represent ADCPs and blue cells represent RCMs. The ADCPs are all upward looking. The frequency of all deployed ADCPs after (before) 2006 is 75 khz (300 khz) and the bin size is 16 m (8 m).

Depth Range/ Start date	2000-12-15	2002-03-26	2003-09-20	2004-10-26	2006-09-21	2008-06-01	2009-10-10	2010-10-03	2013-02-06	2014-11-03	2017-10-12	
100				50–170 m 2006-08-26 0.5 h	10–82 m 2008-05-28 0.5 h							
200	138 m No data	184 m 2003-06-05 1 h	131 m 2003-10-29 1 h	205 m 2006-01-01 1 h	112–220 m (down) 2008-05-28 0.5 h							
400	400 m 2001-11-11 1 h	382 m 2003-06-05 1 h	320 m 2003-10-29 1 h	407 m 2006-01-05 1 h	315 m 2007-12-01 1 h			30–410 m 2010-10-01 0.5 h	30–346 m 2013-02-05 0.5 h	30–400 m 2014-11-02 0.5 h	30–423 m 2017-10-09 1 h	30–454 m 2019-08-02 1 h
500			489 m No data			140–510 m 2009-10-08 0.5 h	515 m 2009-11-17 1 h	443 m 2012-05-07 0.5 h				
600	601 m 2001-12-31 1 h	575 m 2003-06-05 1 h		610 m 2006-01-05 1 h	517 m 2007-12-01 1 h	620 m 2009-05-18 0.5 h	765 m 2010-10-01 0.5 h					400–895 m 2019-08-02 1 h
1000	1093 m 2002-02-03 1 h	1070 m 2003-06-05 1 h	991 m No data	1113 m No data	1019 m 2007-12-01 1 h	870 m 2009-10-08 0.5 h	1020 m 2009-12-24 0.5 h	920 m No data	450–980 m 2014-07-27 0.5 h	360–850 m 2017-10-09 1 h	974 m 2018-04-06 1 h	
1400						1125 m 2009-08-11				900–1372 m 2017-10-09 1 h	1375 m 2019-03-12 1 h	
2000	2103 m 2002-02-23 1 h	2037 m 2002-08-28 1 h	2020 m 2004-10-24 1 h	2114 m 2005-12-18 1 h	1991 m 2007-12-01 1 h	2096 m 2009-08-11 1 h	1970 m 2010-10-01 1 h	1960 m No data	1984 m 2014-02-22 0.5 h	1874 m 2016-12-23 1 h	2118 m 2019-08-02 1 h	
4000	4100 m 2002-02-23 1 h	4008 m 2003-01-02 1 h	3997 m 2004-10-24 1 h	4117 m 2005-12-18 1 h	4014 m 2007-12-01 1 h	4120 m 2009-05-18 1 h	3975 m 2010-10-01 1 h	3962 m No data	4015 m 2013-11-19 0.5 h	3905 m 2017-01-13 1 h	4394 m 2018-12-23 1 h	

**Table 2:** Data availability at 83°E. The column heading indicates deployment date and the row heading indicates approximate depth of the instrument. Each cell lists the actual depth, last available data date and the sampling interval (in hours). Yellow cells represent ADCPs and blue cells represent RCMs. The ADCPs are all upward looking except one case in 2006 (112–220 m ADCP). The frequency of all deployed ADCPs after (before) 2008 is 75 khz (300 khz) and bin size is 16 m (8 m).

Depth Range/ Start date	2000-02-14	2000-12-23	2002-04-01	2003-09-25	2004-11-07	2006-09-15	2009-01-06	2009-10-05	2010-10-10
<b>100</b>	106 m	128 m	82 m	82 m	10–105 m				
	2000-10-31 1 h	2001-10-07 1 h	2003-04-02 1 h	2004-06-18 1 h	2006-08-02 0.5 h				
<b>300</b>	259 m	255 m	316 m	322 m	337 m	30–441 m	30–400 m	30–385 m	30–430 m
	2000-11-20 1 h	2002-03-29 1 h	2002-05-10 1 h	2003-11-21 1 h	2005-03-29 1 h	2008-12-03 0.5 h	2009-10-03 0.5 h	2010-10-09 0.5 h	2013-06-17 0.5 h
<b>500</b>	461 m	455 m	502 m	506 m	490 m	524 m	552 m		432 m
	2000-03-20 1 h	2002-03-04 1 h	2003-06-11 1 h	2004-11-05 1 h	2006-01-17 1 h	2007-11-25 1 h	2009-10-03 0.5 h		2012-05-18 0.5 h
<b>1000</b>	964 m	965 m	997 m	999 m	992 m	1021 m		961 m	1022 m
	2000-12-20 1 h	2002-03-03 1 h	2003-06-11 1 h	2004-11-04 1 h	2006-01-17 1 h	<b>No data</b>		2010-10-09 1 h	2012-07-22 0.5 h
<b>2000</b>	1972 m	1968 m	1994 m	1981 m	1984 m	2066 m	2055 m	2062 m	1990 m
	2000-12-20 1 h	2002-03-03 1 h	2003-06-11 1 h	2004-11-04 1 h	2006-01-17 1 h	2007-11-25 1 h	2009-10-03 1 h	2010-09-24 1 h	2011-12-06 0.5 h
<b>4000</b>	3975 m	3972 m	4014 m	4000 m	3988 m	4079 m	4058 m	4065 m	4055 m
	<b>No data</b>	2002-01-17 1 h	2003-06-11 1 h	2004-11-04 1 h	2006-01-17 1 h	2007-11-25 1 h	2009-10-03 1 h	<b>No data</b>	2011-11-17 0.5 h

**Table 3:** Data availability at 93°E. The column heading indicates deployment date and the row heading indicates approximate depth of the instrument. Each cell lists the actual depth, last available data date and the sampling interval (in hours). Yellow cells represent ADCPs and blue cells represent RCMs. The ADCPs are all upward looking. The frequency of all deployed ADCPs after (before) 2006 is 75 khz (300 khz) and bin size is 16 m (8 m).