

TRDI WORKHORSE ADCP LOGSHEET

Mooring Data		Station #	
Cruise # (Moor)	NBP12-01	Station #	Ross Sea Deployment #2
Cruise # (Recover)	NBP12-01	Approx. Inst. Depth	200m (up looking)
Ship (Moor)	RVIB Nathaniel B Palmer	Location	Ross Sea, Antarctica
Ship (Recover)		Cons. Mooring #	
Latitude	-76° 43.9' S	Date (Moor)	15 January 2012
Longitude	170° 28.1' E	Date (Recover)	
Sounding	750m	Inst. Serial #	14074
Scientist	Blair Greenan	Project Name	PRISM

Deployment		Recovery	
		UTC Time	Date
Time of 1st Cycle	0705	Recover Complete	0030 Jan 19, 2012
Time of 2nd Cycle	0805	2nd Last Cycle	0055 Jan 19, 2012
Mooring Complete	0852	Time of last cycle	0155 Jan 19, 2012
Observer	Blair Greenan	Switched Off	0247 Jan 19, 2012
		Observer	B. Greenan

Instrument Data		Profiling Setup	
Command File	3 Dpl4.wkp	Pings / Ensemble	526
ADCP Type	WHS300-I-UG177	Number of Depth Cells	27
Frequency	300 kHz	Depth Cell size	4m
Firmware Version	50.40	Mode	Broadband
Depth Rating	500m	Bottom Tracking Setup	N/A
Pressure Sensor		Rings / Ensemble	
Processing Bandwidth		Max Working Range	
Memory Size	244mb	Mode	
Memory Initialized		Deployment Timing Setup	
Orientation up/down	UP	Approx. Duration	10 days
Alignment to Float		Ensemble Interval	1 hour
		Ping Interval	0.57 sec (Min TP)
Notes	Vpatt = 44.8V	Environmental Setup	
		Transducer Depth	200m
		Salinity	
		Deployment Consequences	
		First Cell Range	6.17m
		Last Cell Range	110.17m
		Maximum Range	103.66m
		Standard Deviation	0.15 cm/s
		Ensemble Size	694 bytes
		Storage Required	0.16 MB
		Power Usage	59.43 Wh
		Battery Packs Req.	0.1

Data Recovery	
ADCP Time UTC	
Actual Time UTC	
Memory Used	
File Name	
Technician	

Remarks / Inspection on Recovery

TRDI WORKHORSE ADCP LOGSHEET

Mooring Data		Station #	
Cruise # (Moor)	NBP12-01	Station #	Ross Sea Deployment #2
Cruise # (Recover)	NBP12-01	Approx. Inst. Depth	3 m (down looking)
Ship (Moor)	RVIB Nathaniel B Palmer	Location	Ross Sea, Antarctica
Ship (Recover)	" "	Cons. Mooring #	
Latitude	-76° 43.9' S	Date (Moor)	15 January 2012
Longitude	170° 28.1' W	Date (Recover)	
Sounding	750 m	Inst. Serial #	9184
Scientist	Blair Greenan	Project Name	PRISM

Deployment		Recovery	
		UTC Time	Date
Time of 1st Cycle	0655 0700	Recover Complete	0010 Jan 19, 2012
Time of 2nd Cycle	0755 0800	2nd Last Cycle	0105 Jan 19, 2012
Mooring Complete	0852	Time of last cycle	0205 Jan 19, 2012
Observer	Blair Greenan	Switched Off	0256 Jan 19, 2012
		Observer	B. Greenan

Instrument Data		Profiling Setup	
Command File	4 Dpl3-why	Pings / Ensemble	526
ADCP Type	WHS300-I-UG78	Number of Depth Cells	27
Frequency	300 kHz	Depth Cell size	4m
Firmware Version	50.40	Mode	Broadband
Depth Rating	600m	Bottom Tracking Setup	N/A
Pressure Sensor		Pings / Ensemble	
Processing Bandwidth		Max Working Range	
Memory Size	122mb	Mode	
Memory Initialized		Deployment Timing Setup	
Orientation up/down	DOWN	Approx. Duration	10 days
Alignment to Float		Ensemble Interval	575 1 hour
		Ping Interval	0.57 sec
Notes	Vbatt = 44.8V	Environmental Setup	
		Transducer Depth	3 m
		Salinity	
		Deployment Consequences	
		First Cell Range	6.17 m
		Last Cell Range	110.17 m
		Maximum Range	103.66 m
		Standard Deviation	0.15 cm/s
		Ensemble Size	694 bytes
		Storage Required	0.16 Mbytes
		Power Usage	59.43 Wh
		Battery Packs Req.	0.1

Data Recovery	
ADCP Time UTC	_____
Actual Time UTC	_____
Memory Used	_____
File Name	_____
Technician	_____

Remarks / Inspection on Recovery

TRDI WORKHORSE ADCP LOGSHEET

Mooring Data			
Cruise # (Moor)	NBP12-01	Station #	Ross Bank
Cruise # (Recover)	NBP12-01	Approx. Inst. Depth	5 m
Ship (Moor)	RVIB Nathaniel B. Palmer	Location	Ross Bank, Antarctica
Ship (Recover)	" " "	Cons. Mooring #	
Latitude		Date (Moor)	21 Jan 2012
Longitude		Date (Recover)	26 Jan 2012
Sounding		Inst. Serial #	9184
Scientist	Blair Greenan	Project Name	PRISM

Deployment		Recovery	
		UTC Time	Date
Time of 1st Cycle	2155	2255	26 Jan 2012
Time of 2nd Cycle	2255		
Mooring Complete		Time of last cycle	2255
Observer		Switched Off	23 45
		Observer	Blair Greenan

Instrument Data		Profiling Setup	
Command File	Dp15...whp	Pings / Ensemble	526
ADCP Type	WHS300-I-UG78	Number of Depth Cells	27
Frequency	300 kHz	Depth Cell size	4m
Firmware Version	50.40	Mode	Broadband
Depth Rating	500m		
Pressure Sensor		Bottom Tracking Setup	
Processing Bandwidth		Rings / Ensemble	N/A
Memory Size	122 MB	Max Working Range	
Memory Initialized		Mode	
Orientation up/down	Down	Deployment Timing Setup	
Alignment to Float		Approx. Duration	10 days
		Ensemble Interval	25 1 hour
		Ping Interval	0.575 sec
		Environmental Setup	
		Transducer Depth	5 m
		Salinity	
		Deployment Consequences	
		First Cell Range	6.17 m
		Last Cell Range	110.17 m
		Maximum Range	103.66 m
		Standard Deviation	0.15 cm/s
		Ensemble Size	694 bytes
		Storage Required	0.16 MB
		Power Usage	59.43 wtt
		Battery Packs Req.	0.1
Notes			

Data Recovery	
ADCP Time UTC	
Actual Time UTC	
Memory Used	
File Name	
Technician	

Remarks / Inspection on Recovery

TRDI WORKHORSE ADCP LOGSHEET

Mooring Data		Station # <u>Ross Bank</u>	
Cruise # (Moor)	<u>NBP 12-01</u>	Approx. Inst. Depth	<u>205 m</u>
Cruise # (Recover)	<u>"</u>	Location	<u>Ross Bank, Antarctica</u>
Ship (Moor)	<u>RVIB Nathaniel B. Palmer</u>	Cons. Mooring #	
Ship (Recover)	<u>"</u>	Date (Moor)	<u>21 Jun 2012</u>
Latitude		Date (Recover)	<u>26 Jun 2012</u>
Longitude		Inst. Serial #	<u>14074</u>
Sounding		Project Name	<u>PRISM</u>
Scientist	<u>Blair Greenan</u>		

Deployment		Recovery	
		UTC Time	Date
Time of 1st Cycle	<u>2205</u> <u>2210</u>	Recover Complete	<u>2205</u> <u>26 Jun 2012</u>
Time of 2nd Cycle	<u>2305</u> <u>2310</u>	2nd Last Cycle	<u>2305</u> <u>26 Jun 2012</u>
Mooring Complete		Time of last cycle	
Observer	<u>Blair Greenan</u>	Switched Off	
		Observer	

Instrument Data		Profiling Setup	
Command File	<u>Dp16_.whp</u>	Pings / Ensemble	<u>526</u>
ADCP Type	<u>WHS 300-I-126177</u>	Number of Depth Cells	<u>27</u>
Frequency	<u>300 kHz</u>	Depth Cell size	<u>4</u>
Firmware Version	<u>50.40</u>	Mode	<u>Broadband</u>
Depth Rating	<u>500m</u>	Bottom Tracking Setup	
Pressure Sensor		Rings / Ensemble	<u>NA</u>
Processing Bandwidth		Max Working Range	
Memory Size	<u>244 MB</u>	Mode	
Memory Initialized		Deployment Timing Setup	
Orientation up/down	<u>UP</u>	Approx. Duration	<u>10 days</u>
Alignment to Float		Ensemble Interval	<u>1 hour</u>
		Ping Interval	<u>0.57 sec</u>
Notes		Environmental Setup	
		Transducer Depth	<u>205 m</u>
		Salinity	
		Deployment Consequences	
		First Cell Range	<u>6.17 m</u>
		Last Cell Range	<u>110.17 m</u>
		Maximum Range	<u>103.66 m</u>
		Standard Deviation	<u>0.15 cm/s</u>
		Ensemble Size	<u>694 bytes</u>
		Storage Required	<u>0.16 MBytes</u>
		Power Usage	<u>59.43 Wh</u>
		Battery Packs Req.	<u>0.1</u>

Data Recovery	
ADCP Time UTC	
Actual Time UTC	
Memory Used	
File Name	
Technician	

Remarks / Inspection on Recovery

TRDI WORKHORSE ADCP LOGSHEET

Mooring Data		Station # <u>High Biomass</u>	
Cruise # (Moor)	<u>NBP12-01</u>	Approx. Inst. Depth	<u>5 m</u>
Cruise # (Recover)		Location	<u>Western Ross Sea</u>
Ship (Moor)	<u>RVIB Nathaniel B. Palmer</u>	Cons. Mooring #	
Ship (Recover)		Date (Moor)	<u>1 Feb 2012</u>
Latitude	<u>76° 46.03'S</u>	Date (Recover)	
Longitude	<u>169° 00.51' E</u>	Inst. Serial #	<u>9184</u>
Sounding	<u>80 m</u>	Project Name	<u>PRISM</u>
Scientist	<u>Blair Greenan</u>		

Deployment		Recovery	
		UTC Time	Date
Time of 1st Cycle	<u>0355 Feb 1</u> <u>0400</u>	Recover Complete	<u>0955</u> <u>4 Feb 2012</u>
Time of 2nd Cycle	<u>0455 Feb 1</u> <u>0500</u>	2nd Last Cycle	
Mooring Complete	<u>0942 Feb 1</u>	Time of last cycle	<u>1155</u> <u>4 Feb 2012</u>
Observer	<u>Blair Greenan</u>	Switched Off	<u>1218</u> <u>4 Feb 2012</u>
		Observer	<u>Blair Greenan</u>

Instrument Data		Profiling Setup	
Command File	<u>Dp17-ewhp</u>	Pings / Ensemble	<u>526</u>
ADCP Type	<u>WHS300-I-UG78</u>	Number of Depth Cells	<u>27</u>
Frequency	<u>300 kHz</u>	Depth Cell size	<u>4 m</u>
Firmware Version	<u>50.40</u>	Mode	<u>Broadband</u>
Depth Rating	<u>500 m</u>		
Pressure Sensor		Bottom Tracking Setup	
Processing Bandwidth		Pings / Ensemble	<u>N/A</u>
Memory Size	<u>122 MB</u>	Max Working Range	
Memory Initialized		Mode	
Orientation up/down	<u>Down</u>	Deployment Timing Setup	
Alignment to Float		Approx. Duration	<u>10 days</u>
		Ensemble Interval	<u>1 hour</u>
		Ping Interval	<u>0.57 sec</u>
		Environmental Setup	
Notes		Transducer Depth	<u>5 m</u>
		Salinity	
		Deployment Consequences	
		First Cell Range	<u>6.17 m</u>
		Last Cell Range	<u>110.17 m</u>
		Maximum Range	<u>103.66 m</u>
		Standard Deviation	<u>0.15 cm/s</u>
		Ensemble Size	<u>694 bytes</u>
		Storage Required	<u>0.16 MByte</u>
		Power Usage	<u>59.43 W/H</u>
		Battery Packs Req.	<u>0.1</u>

Data Recovery	
ADCP Time UTC	<u>1212</u>
Actual Time UTC	<u>1218</u>
Memory Used	<u>56214 bytes</u>
File Name	<u>Dp17-080.560</u>
Technician	<u>B. Greenan</u>

Remarks / Inspection on Recovery

