

>PS0
Instrument S/N: 20767
Frequency: 307200 HZ
Configuration: 4 BEAM, JANUS
Match Layer: 10
Beam Angle: 20 DEGREES
Beam Pattern: CONVEX
Orientation: DOWN
Sensor(s): HEADING TILT 1 TILT 2 TEMPERATURE
Temp Sens Offset: 0.13 degrees C

CPU Firmware: 52.40 [0]
Boot Code Ver: Required: 1.16 Actual: 1.16
DEM0D #1 Ver: ad48, Type: 1f
DEM0D #2 Ver: ad48, Type: 1f
PWRTIMG Ver: 85d3, Type: 7

Board Serial Number Data:
23 00 00 07 89 FE B4 09 PI0727-3000-00G
0A 00 00 07 89 D5 BC 09 REC727-1000-04E
C5 00 00 07 89 ED FC 09 DSP727-2001-04H
B8 00 00 07 89 C5 33 09 CPU727-2011-00E

>CF111110
>
>CB411
>
[BREAK Wakeup B]
WorkHorse Mariner ADCP Version 52.40
Teledyne RD Instruments (c) 1996-2010
All Rights Reserved.
>TS?
TS 16/02/08,23:52:26 --- Time Set (yr/mon/day,hour:min:sec)
>pa

PRE-DEPLOYMENT TESTS

CPU TESTS:
RTC.....PASS
RAM.....PASS
ROM.....PASS
RECORDER TESTS:
PC Card #0.....NOT DETECTED
PC Card #1.....NOT DETECTED
DSP TESTS:
Timing RAM.....PASS
Demod RAM.....PASS
Demod REG.....PASS
FIFOs.....PASS
SYSTEM TESTS:
XILINX Interrupts... IRQ3 IRQ3 IRQ3 ...PASS

Wide Bandwidth.....PASS
Narrow Bandwidth.....PASS
RSSI Filter.....PASS
Transmit.....PASS

SENSOR TESTS:

H/W Operation.....PASS

>

[BREAK Wakeup B]

WorkHorse Mariner ADCP Version 52.40

Teledyne RD Instruments (c) 1996-2010

All Rights Reserved.

>TS?

TS 16/02/09,00:08:12 --- Time Set (yr/mon/day,hour:min:sec)

>PS0

Instrument S/N: 20767
Frequency: 307200 HZ
Configuration: 4 BEAM, JANUS
Match Layer: 10
Beam Angle: 20 DEGREES
Beam Pattern: CONVEX
Orientation: DOWN
Sensor(s): HEADING TILT 1 TILT 2 TEMPERATURE
Temp Sens Offset: 0.13 degrees C

CPU Firmware: 52.40 [0]
Boot Code Ver: Required: 1.16 Actual: 1.16
DEM0D #1 Ver: ad48, Type: 1f
DEM0D #2 Ver: ad48, Type: 1f
PWRTIMG Ver: 85d3, Type: 7

Board Serial Number Data:

23 00 00 07 89 FE B4 09 PI0727-3000-00G
0A 00 00 07 89 D5 BC 09 REC727-1000-04E
C5 00 00 07 89 ED FC 09 DSP727-2001-04H
B8 00 00 07 89 C5 33 09 CPU727-2011-00E

>PT200

Ambient Temperature = 12.46 Degrees C
Attitude Temperature = 17.34 Degrees C
Internal Moisture = 93ECh

Correlation Magnitude: Wide Bandwidth

Lag	Bm1	Bm2	Bm3	Bm4
0	255	255	255	255
1	170	164	164	162
2	39	27	29	28
3	11	8	10	16
4	21	25	26	28
5	11	16	14	9

	6	1	4	2	1
	7	4	3	1	2
High Gain RSSI:	44	41	41	39	
Low Gain RSSI:	18	15	16	13	
SIN Duty Cycle:	51	49	48	50	
COS Duty Cycle:	51	45	51	48	

Receive Test Results = \$00000000 ... PASS

IXMT = 2.9 Amps rms [Data=ffh]
 VXMT = 151.0 Volts rms [Data=ffh]
 Z = 51.7 Ohms
 Transmit Test Results = \$0 ... PASS

0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
255	255	255	255
0	0	0	0
0	0	0	0
255	255	255	255
0	0	0	0
0	0	0	0
0	0	0	0
255	255	255	255

Electronics Test Results = \$00000000

Receive Bandwidth:

Sample	bw	bw	bw	bw	bw
rate	expect	Bm1	Bm2	Bm3	Bm4
307	120	91	89	92	92 Khz
results		PASS	PASS	PASS	PASS

RSSI Time Constant:

RSSI Filter Strobe 1 = 38400 Hz

time	Bm1	Bm2	Bm3	Bm4
msec	cnts	cnts	cnts	cnts
1	8	8	8	8
2	15	16	15	15
3	20	22	20	20
4	26	27	25	26
5	30	31	29	30
6	34	35	32	33
7	37	38	35	36
8	39	41	37	39
9	42	44	40	42
10	44	45	42	44
nom	54	55	51	53

```
result  PASS  PASS  PASS  PASS
>
```