Station MB

RDI 600 mHz ADCP

s/n WHSW600-I-UG65 (7260)
VINS ET-0485

Battery voltage - 4.5 volts (End voltage 3.6V)

3600, N, 8, 1

255,565,824 bytes free = 255 MB

Compass calibration:
AR - returns to starting calibration
AK - clock calibration

Total error => 3.7°
AF - tilt unit b/t 10-20°

Starting pitch (-) 9.6
roll (-) 5.3

total error before 3.3°

Overall error: ±3.27°

Detailed error summary

Single cycle error ±3.3°

Double cycle error ±0.33°

Largest double cycle error: ±3.63°

RMS of 3rd order + higher + random error: ±0.41°

Orientation: up

Avg pitch: -9.78° ±1.19°
Avg roll: ±3.14° ±1.28°
Station M1
RDI 1200 MHz ADCP

S/N USHSC 1200-2-UG34 (5793)
VIMS 18437

Battery Voltage ~45 Volts (end voltage 35.7V)

96000, N, 8, 1

1048576 bytes free = 1 GB

Script: M1-US5793-1200.txt

Depth: 13 meters
AR

xaylor error = 2.70

ax

tunnel error 2.330
single: 2.330
double: 0.330
largest: d + s: 2.080

RMS 13: 0.7301 orientation up

pitch: -0.36 \pm 0.75
roll: -1.13 \pm 0.83

pitch or roll std dev. higher than expected deployed with: M1-5793, rds
3-7-12
Station SB
Deployed by X-Fell
Interval = 00:05:00  Start Date = 03/12/12
Start time = 08:00:00
Duration days = 30/5
File = SB_MAR12
Site = SB
Bat volts = 12.6
Bat Life = 99.6%
Free mem = 142775818 bytes 84.9 days
1st sample: 4/18/12 3:24:48 PM 3.70 days

3-8-12: Pressure Calibration +
redeploy) Some stuff as above
Time: 2:33:19 pm EST
01/08/12 14:33:19 21.85 0.001 0.00 -0.010 0.7 12

Deployed at M2  According 2
Can be recorded
3-7-12
Site MB - 
deployed by K. Fall
371024b (conductivity sensor)
Interval = 00:05:00
Start date = 03/12/12
Start time = 08:00:00
Duration days = 365
File = MB-MAR12
Site = MB
RMS Vol = 12.0
Bat life = 83.8 days
Free mem = 187.1 Mb
1st sample = 4/14 days
3-7-12
3-8-12 Pressure calibration + re-deploy
Time: 2:42:24 pm EST
Pressure Calibration
3/08/12 14:42:24 21.199 0.00 0.00 -0.001 4.5 12.1
New ADV

Sontek ADV - B3350 (Battery Part #G3494)

Battery Voltage: 19.06v - 19.07v

Connects at baud rate 19200

Site M1 - ADV on tripod 75 cm above

Compass Calibration:
- Horizontal: 1.5 (Poor)
- Vertical: 1 (very poor)
- Magnetic: 3.11 Excellent
- Results: Fail

Free memory: 10248666656 Free Bytes
118.43 Days of operation
3-7-12 Site MB - AOV: 75 cm amb

Deployed by K. Fall (will deploy when
Sample rate: 25 Hz  
Compass calibrate)

Deployment: MBM12
Start date: 2012/03/12
Start time: 07:15:55 (EST) 07:15:00 am

Samples per burst: 8192

Burst interval: 1800 (every 30 minutes)

3912 Compass calibration
Hor: 9 (Excellent)  
Vert: 0 (Very poor)

Ambient magnetic: 6.0 x (Excellent)

Results: Fall  
168.42 DAS
Old files discarded @ re-launch
* Be sure to save them before new launch!
3-8-12

Hoop data loggers (6) - painted

1) SN: 10075270 - Labeled M1
   Site: M1 37.5 cm ab
   Filename: M1-MAR12
   Loggers Bat Volt: 3.58 volts / Mem Used 0.1

2) SN: 10075273 - Labeled M2 M3
   Site: M2 37 cm ab
   Filename: M2-MAR12
   Bat Volt: 3.300 volts / Mem Used 0.1

3) SN: 10075272 - Labeled M2 M3
   Site: M3 on Tower M3
   Filename: M3-MAR12-9
   Bat Volt: 3.460 / Mem Used 0.1

4) SN: 10075265 - Labeled M4
   Site: M4
   Filename: M4-MAR12-23
   Bat Volt: 3.640 / Mem Used 0.1

5) SN: 10075274 - Labeled M7
   Site: M7
   Filename: M7-MAR12
   Bat Volt: 3.600 / Mem Used 0.1

6) SN: 10075264 - Labeled SB
   Site: SB
   Filename: SB-MAR12
   Bat Volt: 3.400 / Mem Used 0.1
Hobo's Set-up (Some for all 6)

Description: (Enter Filename)

Sensors:
- 1) Conductivity low range
- 2) Conductivity high range
- 3) Temperature 024
- 4) Logger's battery voltage

Deployment

Logging Interval: samples Log Until
15 minutes 9999 104.1

Start Logging: On Date/Time 03/12/12 12:00:00 PM
8-9-12 Northen AV. (S.N., Name, Location)
Station MB Tower
Head Hardware VEMS Name

1) VCH4856 VEC9685 VZ1947 IM3-MAR12-3

2) VCH4844 VEC9679 VZ1966 IM3-MAR12-9

3) VCH48454 VEC9699 VZ1966 IM3-MAR12-16

4) VEH4493 VEC9647 VZ2011 IM3-MAR12-23

5) VCH4867 VEC9688 — IM3-MAR12-30

6) VCH4871 VEC9691 — IM3-MAR12-27
3-9-12 TT - real-time clock

* ADCP MB compass calibration

2nd turn - std dev still greater than 1
   for pitch + roll

3rd turn - 0.70° but pitch + roll
   std deviation 1.2 (slightly higher than
   1)

* Compass Calibration Take 2 - more level frame

AR - return to faculty

AX - total error 4.179 4.480

pitch/roll

Single: 4.51°
double: 0.27°

Largest double + single: 4.79°

RMS: 3rd order: 0.35°

Orientation:

pitch: 0.57° ± 0.78°
roll: 0.15° ± 0.88°

Deployment scheme (600 mhz)

TI: set the current date + time

To 2012/03/12, 08:00:00 ¨ set deployment date/time

RN MBM12 - name file MBM12

TE: 00:05:00

* set up echinoderm in file called MB_5793, rds

Temp: 5°C

Depth: 32 meters
<table>
<thead>
<tr>
<th>Code</th>
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<td>7260.188S</td>
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<td>5793.40</td>
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<tr>
<td>CR1</td>
<td></td>
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<tr>
<td>TG</td>
<td>2012.03/12, 08:00:00</td>
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<td>[Handwritten entry]</td>
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**All Instruments & Sensors Deployed**

By OMCES.