

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF EAH MGD
Calibration Date: 10/29/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1024 hrs on 10/29/03.
Downloaded File: E-KWT03-3-102703 Checked file content: Y or N Backed up file Y or N
power losses To WAR server

HYDROLAB # Deployed at Station E-KWT03- at hrs on / / 03.

Turbidity Calibration	Time: Standard	Time 1320 Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	DIW or Air	<u>0.0</u>	<u>End of Monitoring</u>		
	20 or <u> </u>	<u>23.0</u>			
Check Std	5 or <u> </u> read only	<u>2.9</u>			
<u>50</u>	(must be 3.75 to 6.25 or ±(5%+1NTU))	<u>57.3</u>			

Time Check- Hydrolab 13:26:25 Watch 13:26:25 Cleaned sensor: Yes or No
Created New File: E-KWT03- IBP = 9.9 V Battery used up / / 03
Programmed to start at hrs on / / 03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y/N by Cap burped: Y/N by

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Partly Cloudy
Wind Direction: N (NE) E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm (Slight) Rough Very Rough Approx. Wave Height: 1-2 ft
Tidal Stage: Falling Slack Low (Rising) Slack High
Water Mass Boundary Present: Y (N)
Surface Current Direction (flowing to): N and Speed: mph

Current Monitoring Buoy: DGPS Serial No. <u> </u> Track ID: <u> </u>
Time deployed <u> </u> hrs, Time retrieved <u> </u> hrs Nominal depth to drum top: <u> </u> ft
Obvious Cross Wind or Currents: <u>Y/N</u>

Recent Ship Traffic: Y (N)

Other Observations: Removed Station
GPS KW-3

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/27/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1402 hrs on 10/27/03.

Downloaded File: E-KWT03-3-102503 Checked file content: Y or N Backed up file: Y or N
a few power failures Floppy failed -

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1405 hrs on 10/27/03.
Left program in HL

Turbidity Calibration	Time: <u>1545</u>	Calibration Responses (NTU)			
		Standard	PreCal	PostCal	ReCal-1
(Circulator ON)	<u>DIW</u> or Air	<u>2.1</u>	<u>0.0</u>		
	<u>20</u> or	<u>20.7</u>	<u>20.1</u>		
Check Std	<u>5</u> or read only	<u>4.3</u>	<u>3.0</u> ← <i>Failed ac</i>		
<i>Slope Cal</i>	<u>50</u> (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>49.1</u>	<u>49.8</u>		

Time Check- Hydrolab 15:30:59 *Changed to EST* Watch 15:31:00 Cleaned sensor: Yes or No

Created New File: E-KWT03-3-102703 IBP = 10.1 V Battery used up 11/04/03

Programmed to start at 1600 hrs on 10/27/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50) *Memory OK*

Data Terminal Cap: Silicone applied: Y / N by EAH Cap burped: Y / N by EAH

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Raining

Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong

Sea State: Calm Slight Rough Very Rough Approx. Wave Height: < 1 ft

Tidal Stage: Falling Slack Low Rising Slack High

Water Mass Boundary Present: Y / N

Surface Current Direction (flowing to): S and Speed: _____ mph

Current Monitoring Buoy: _____	DGPS Serial No. _____	Track ID: _____
Time deployed _____ hrs,	Time retrieved _____ hrs	Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <input type="radio"/> Y / <input checked="" type="radio"/> N		

Recent Ship Traffic: Y / N Cruise ship appears to be ready to leave

Other Observations: Raining - removed HL for servicing + calibration at marina.
* EST Viewed sensor guard - OK

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 3

E-KWT03-

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/25/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1334 hrs on 10/25/03.
Downloaded File: E-KWT03-3-102303 Checked file content Y or N Backed up file Y or N
some power failures

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1417 hrs on 10/25/03.

Turbidity Calibration (Circulator ON)	Time: Standard DIW or Air 20 or 5 or read only	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
		0.0	0.0		
		19.9	22.6 ^{fails ac}		
Check Std		5.1	4.8		
<u>Slope Cal 50</u>	(must be 3.75 to 6.25 or ±(5%+1NTU))	47.7	49.9		

Time Check- Hydrolab 13:50:37 Watch 13:50:35 Cleaned sensor: Yes or No
Created New File: E-KWT03-3-102503 IBP = 10.4V Battery used up 11/11/03
Programmed to start at 1410 hrs on 10/25/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y / N by EAH Cap burped: Y / N by EAH

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Sunny - Partly Cloudy
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: < 1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y N
Surface Current Direction (flowing to): S and Speed: _____ mph

Current Monitoring Buoy: _____ DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y N _____

Other Observations: Added padding to Hydrolab

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/23/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at ~0920 hrs on 10/26/03.
Downloaded File: E-KWT03-3-102103 Checked file content Y or N Backed up file Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1015 ^{CRF 10/23/03} 0921 hrs on 10/23/03.

Turbidity Calibration	Time: _____ Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>	_____	_____
	<u>20</u> or _____	<u>21.5</u>	<u>20.2</u>	_____	_____
Check Std	<u>5</u> or _____ read only	<u>4.8</u>	<u>4.6</u>	_____	_____
<u>Slope Cal 50</u>	(must be 3.75 to 6.25 or ±(5%+1NTU))	<u>52.5</u>	<u>49.4</u>	_____	_____

Time Check- Hydrolab 09:39:43 Watch 09:39:40 Cleaned sensor: Yes or No
Created New File: E-KWT03-3-102303 IBP = 10.9V Battery used up 11/12/03
Programmed to start at 1010 hrs on 10/23/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y or N by EAH Cap burped: Y or N by EAH

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Partly Cloudy
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: ~1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y N
Surface Current Direction (flowing to): ? Not Obvious and Speed: _____ mph

Current Monitoring Buoy: DGPS-Serial No. _____ Track ID: _____
Time deployed 0927 hrs, Time retrieved 1007 hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y N

Recent Ship Traffic: Y or N Tanker + 3 tugs arrived

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-__

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRE/TWM/EAH/MGD
Calibration Date: 10/21/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1105 hrs on 10/21/03.
Downloaded File: E-KWT03-3-101903 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at ~1235 hrs on 10/21/03.

Turbidity Calibration	Time: <u>1120</u>	Calibration Responses (NTU)			
		Standard	PreCal	PostCal	ReCal-1
(Circulator ON)	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	
	<u>20</u> or _____	<u>20.8</u>	<u>20.2</u>	<u>17.7</u> ←	
Check Std	<u>5</u> or _____ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>4.7</u>	<u>6.6</u>	<u>4.7</u>	

Calibrated as 20 NTU

Time Check- Hydrolab 13:22:02 Watch 13:22:00 Cleaned sensor: Yes or No
Created New File: E-KWT03-3-102103 IBP = 11.2 V Battery used up 11/11/03
Programmed to start at 1440 hrs on 10/21/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y N by EAH Cap burped: Y N by EAH

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Sunny
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: <1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y N
Surface Current Direction (flowing to): S and Speed: _____ mph

Current Monitoring Buoy: _____	DGPS Serial No. _____	Track ID: _____
Time deployed _____ hrs,	Time retrieved _____ hrs	Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <input checked="" type="radio"/> Y <input type="radio"/> N		

Reset Turb sensor Calibration failed for 20 NTU between 17.4 and 17.5

Recent Ship Traffic: Y N

Other Observations: X Hydrolab readings appeared to fluctuate more when reading standards than other units.

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-__

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/TWM/MGD
Calibration Date: 10/19/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1050 hrs on 10/19/03.
Downloaded File: E-KWT03-3-101703 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at ___ hrs on 10/19/03.

Turbidity Calibration (Circulator ON)	Time: <u>1104</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
	<u>DIW</u> or Air	<u>0.0</u>	<u>0.0</u>		
	<u>20</u> or ___	<u>21.0</u>	<u>19.8</u>		
Check Std	<u>5</u> or ___ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>4.8</u>	<u>4.7</u>		

Time Check- Hydrolab 10:06:15 Watch 10:06:14 ^{Retrieved 8.0V} Cleaned sensor: Yes or No
Created New File: E-KWT03-3-101903 IBP = 12.4V Battery used up 11/15/03
Programmed to start at 1140 hrs on 10/19/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y or N by TWM Cap burped: Y or N by TWM

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: ___ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: Clear
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: <1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y or N
Surface Current Direction (flowing to): S and Speed: ___ mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <u>Y</u> / <u>N</u> _____

Recent Ship Traffic: Y N

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 3

E-KWT03- 3

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SAC / TWM / MGI
Calibration Date: 10/17/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 0950 hrs on 10/17/03.
Downloaded Filename: E-KWT03-101303 Checked file content: or N Backed up file: or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1225 hrs on 10/17/03.

Turbidity Calibration (Circulator ON)	Time: <u>1135</u> Standard DIW or Air 50 or <u>20</u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	5 or <u> </u> read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>1.3</u>	<u>0.0</u>	<u>0.0</u>	<u> </u>
		<u>17.5</u>	<u>17.5</u> CALIB FAILED	<u> </u>	<u> </u>
		<u>5.3</u>	<u>5.1</u>	<u> </u>	<u> </u>

Time Check- Hydrolab 675: Watch : : Cleaned sensor: or No
Created New File: E-KWT03-3101703 IBP = 9.9 V Battery used up 10/29/03 45%
Programmed to start at 1230 hrs on 10/17/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: / N by TWM Cap burped: N by TWM

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: RAINY
Wind Direction: N NE SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): and Speed: mph

Current Monitoring Buoy: DGPS Serial No. <u> </u> Track ID: <u> </u>
Time deployed <u> </u> hrs, Time retrieved <u> </u> hrs Nominal depth to drum top: <u> </u> ft
Obvious Cross Wind or Currents: <u>Y</u> / <u>N</u>

Recent Ship Traffic: Y / N CRUISE SHIP PRESENT AT DURING STATION VISIT

Other Observations:

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-3

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SAC, TWM, MGD
Calibration Date: 10/15/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1205 hrs on 10/15/03.
Downloaded Filename: E-KWT03-3-101303 Checked file content: Or N Backed up file: Or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1345 hrs on 10/15/03.

<u>Turbidity Calibration</u>	Time: <u>13:14</u>	Calibration Responses (NTU)			
		Standard	PreCal	PostCal	ReCal-1
(Circulator ON)	DIW or Air	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	
	50 or 20 <u>19.9</u>	X <u>13.1</u>	<u>20.19.7</u>		
Check Std	5 or ___ read only (must be 3.75 to 6.25 or ±(5%+INTU))	<u>5.4</u>	<u>5.7</u>		

Time Check- Hydrolab GRS: ___ Watch ___:___:___ Cleaned sensor: Yes or No
Created New File: E-KWT03-3-101503 IBP = 95 V Battery used up 10/28/03 47%
Programmed to start at 1350 hrs on 10/15/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: / N by TWM Cap burped: / N by TWM

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: ___ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: cloudy
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): S and Speed: ___ mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y / N _____

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-3

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SAC, TWM, TFB
Calibration Date: 101303

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 1410 hrs on 10/13/03.
Downloaded Filename: E-KWT03-3-101103 Checked file content Y or N Backed up file: Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1445 hrs on 10/13/03.

Turbidity Calibration (Circulator ON)	Time: <u>1410</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
<u>DIW</u> or Air		<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	
50 or <u>20</u>		<u>3.2-3.3</u>	<u>18.9</u> <small>CALIB FAIL</small>		
Check Std	<u>5</u> or ___ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>12.7-18.0</u>	<u>5.6</u>		
			<u>512-5.3</u>		

Time Check- Hydrolab GPS Watch ___:___:___ Cleaned sensor: Yes or No
Created New File: E-KWT03-3-101303 IBP = 10.0 V Battery used up 10/27/03. 52%
Programmed to start at 1450 hrs on 10/13/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y/N by SAC Cap burped: Y/N by SAC

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: NA hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: PART CLOUDY
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: < 1 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y/N
Surface Current Direction (flowing to): NE and Speed: 2-3 mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y/N _____

Recent Ship Traffic: Y/N _____

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-3

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, ONH
Calibration Date: 10/11/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 0850 hrs on 10/11/03.
Downloaded Filename: E-KWT03-3-10903 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 0915 hrs on 10/11/03.

Turbidity Calibration (Circulator ON)	Time: <u>0900</u> Standard DIW or Air	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
50 or <u>20</u>	<u>19.65.4</u>	<u>0.0</u>	<u>0.0</u>		
Check Std 5 or _____ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>5.4</u>	<u>4.8</u>			

Time Check- Hydrolab ___:___:___ Watch ___:___:___ Cleaned sensor: Yes or No
Created New File: E-KWT03-3-101103 IBP = 10.9 V Battery used up 10/28/03. 64% left
Programmed to start at 0920 hrs on 10/11/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y / N by TFB Cap burped: Y / N by TFB

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: CLOUDY
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1-2 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): N and Speed: 2-3 mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y / N _____

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 3

E-KWT03- 3

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, ONH
Calibration Date: 10/9/03

Retrieved HYDROLAB # 36406 from Station E-KWT03-3 at 0945 hrs on 10 / 9 /03.
Downloaded Filename: E-KWT03-3-100703 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03- at 1020 hrs on 10 / 9 /03.

Turbidity Calibration (Circulator ON)	Time: <u>1000</u> Standard <u>DIW</u> or Air 50 or <u>20</u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	<u>5</u> or <u> </u> read only (must be 3.75 to 6.25 or ±(5%+INTU))	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u> </u>
		<u>22.1</u>	<u>19.6</u>	<u> </u>	<u> </u>
		<u> </u>	<u>4.6-5.0</u>	<u> </u>	<u> </u>

Time Check- Hydrolab GPS ✓ Watch : : Cleaned sensor: Yes or No
Created New File: E-KWT03-3-100903 IBP = 11.1 V Battery used up 10/31/03 02%
Programmed to start at 1020 hrs on 10/9/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y / N by TFB Cap burped: Y / N by TFB

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: NA hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: PARTLY CLOUDY
Wind Direction: NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 1-2 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): W and Speed: 21 mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y N _____

Other Observations: _____

Key West Background Turbidity Field Sheet Station(s) E-KWT03-3

E-KWT03-3

Water and Air Research, Inc.
6821 S.W. Archer Road
Gainesville, Florida 32608
Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, ONH
Calibration Date: 10/6/03

NEW DEPLOYMENT

Retrieved HYDROLAB # _____ from Station E-KWT03-_____ at _____ hrs on ____/____/03.
Downloaded Filename: _____ Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36406 Deployed at Station E-KWT03-3 at 1222 hrs on 10 / 7 /03. RED 24

Turbidity Calibration (Circulator ON)	Time: <u>1110</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1 <small>POST CHECK</small>	ReCal-2
<u>DIW</u> or Air		<u>0.8</u>	<u>0.0</u>	<u>0.0</u>	
<u>50</u> or _____		<u>47.9</u>	<u>50.1-50.2</u>		
Check Std	<u>5</u> or _____ read only <small>(must be 3.75 to 6.25 or ±(5%+1NTU))</small>		<u>4.7-4.9</u>		

Time Check- Hydrolab GPS SET Watch _____:_____:_____
Cleared sensor: Yes or No
Created New File: E-KWT03-3-100703 IBP = 12.2 V Battery used up 11 / 03/03. 100% left
Programmed to start at 1220 hrs on 10 / 7 /03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: Y / N by TFB Cap burped: Y / N by TFB

Replace batteries when voltage is less than 9.7 volts. Complete some items by reading File Status.
Notes/Comments/Maintenance (Identify which Hydrolab): Collected Side-By-Side at: _____ hrs

Weather, Sea State, Currents and Other Observations

Weather Conditions: PARTLY CLOUDY
Wind Direction: N NE E SE S SW W NW Wind Conditions: Calm Slight Breezy Strong
Sea State: Calm Slight Rough Very Rough Approx. Wave Height: 0.5 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y / N
Surface Current Direction (flowing to): SW and Speed: 2.5-3 mph

Current Monitoring Buoy: DGPS Serial No. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: Y / N _____

Recent Ship Traffic: Y / N _____

Other Observations: RESET CLOCK TO DGPS TIME