

Key West Background Turbidity Field Sheet Station(s) E-KWT03-2

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 MGD EAH
Calibration Date: 10/30/03

Retrieved HYDROLAB # 36409 ~~37557~~ ^{CRF 10/30/03} from Station E-KWT03-2 at 0758 hrs on 10/30/03.

Downloaded File: E-KWT03-2-102803 Checked file content Y or N Backed up file: Y or N
On WAR Server

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

Turbidity Calibration (Circulator ON)	Time: <u>Time</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
	<u>DIW or Air</u>	<u>0.0</u>			
	<u>20 or</u>	<u>18.6</u>			
Check Std	<u>5 or</u> read only	<u>4.6</u>			
	<u>50</u> (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>50.8</u>			

End of Monitoring

Time Check- Hydrolab 10:56:55* Watch 10:56:55* 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: 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: 0-1 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. Track ID:
Time deployed ~0755 hrs, Time retrieved ~0825 hrs Nominal depth to drum top: 10 ft
Obvious Cross Wind or Currents: Y/N

Recent Ship Traffic: Y (N)

Other Observations: Removed station ~~brute~~
X EST

Key West Background Turbidity Field Sheet Station(s) E-KWT03-2

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Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/28/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 0803^x hrs on 10/28/03.

Downloaded File: E-KWT03-2-102603 Checked file content: Y or N Backed up file: Y or N
No power losses Flopp drive Failed will leave program in HL

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 0858 hrs on 10/28/03.

Turbidity Calibration (Circulator ON)	Time: <u>0833</u> Standard <u>DIW</u> or Air <u>20</u> or <u> </u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	<u>5</u> or <u> </u> read only	<u>2.1</u>	<u>0.0</u>	<u> </u>	<u> </u>
<u>Slope Cal 50</u> (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>50</u>	<u>19.3</u>	<u>18.8</u>	<u> </u>	<u> </u>
		<u>5.7</u>	<u>4.3</u>	<u> </u>	<u> </u>
		<u>49.0</u>	<u>49.8</u>	<u> </u>	<u> </u>

Cleaned + Reset Sensor
Changed to EST

Time Check- Hydrolab 08:20:56 Watch 08:20:55 Cleaned sensor: Yes or No

Created New File: E-KWT03-2-102803 IBP = 10.3V Battery used up 11/05/03
Memory used up 11/14/03

Programmed to start at 0850^x hrs on 10/28/03 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: Cloudy 100% cover

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: Ripples 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. Track ID:

Time deployed 0756 hrs, Time retrieved 0859 hrs Nominal depth to drum top: ft

Obvious Cross Wind or Currents: Y / N Appears to be grounded w/ 1st deployment

Recent Ship Traffic: Y N Two cruise ships docked - 0823 one

cruise ship turning to depart OR a third arriving

Other Observations: * EST Missed programmed start time

CRF 10/28/03

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGT
Calibration Date: 10/26/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 0855 hrs on 10/26/03.
**EDT*

Downloaded File: E-KWT03-2-102403 Checked file content Y or N Backed up file Y or N
No power losses

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 0934* hrs on 10/26/03.

Turbidity Calibration (Circulator ON)	Time: <u>0920</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>20.4</u>	<u>20.2</u>		
<u>5</u> or _____ read only		<u>5.3</u>	<u>5.5</u>		
<u>50</u> (must be 3.75 to 6.25 or ±(5%+1NTU))		<u>52.1</u>	<u>50.0</u>		

CRF 10/26/03
Slope Std Cal 50

Time Check- Hydrolab 09:13:19* Watch 09:13:30* Cleaned sensor: Yes or No

Created New File: E-KWT03-2-102603 IBP = 10.6V Battery used up 11/14/03

Programmed to start at 0940* hrs on 10/26/03 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: 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): _____ 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 No Cruise Ships Docked at 0845*

Other Observations: * EDT - will change clocks starting tomorrow

Key West Background Turbidity Field Sheet Station(s) E-KWT03- 2

E-KWT03-

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/EAH/MGD
Calibration Date: 10/24/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 1246 hrs on 10/24/03.
Downloaded File: E-KWT03-2-102203 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 1322 hrs on 10/24/03.

Turbidity Calibration	Time: <u>1310</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>20</u> or <u> </u>	<u>20.9</u>	<u>20.6</u>		
Check Std	<u>5</u> or <u> </u> read only	<u>4.9</u>	<u>~3.0</u>	<u>varies between 0.0 + 5.7</u>	
<u>Slope Cal 50</u>	(must be 3.75 to 6.25 or ±(5%+1NTU))	<u>50.5</u>	<u>50.0</u>		

Time Check- Hydrolab 13:10:41 Watch 13:10:30 9.6V - Retrieved Changed batteries
Cleaned sensor: YES or No

Created New File: E-KWT03-2-102403 IBP = 12.0V Battery used up 11/20/03
Programmed to start at 1330 hrs on 10/24/03 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: 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: mph

Current Monitoring Buoy: DGPS Serial No. Track ID:
Time deployed 1244 hrs, Time retrieved hrs Nominal depth to drum top: 7 ft
Obvious Cross Wind or Currents: Y / N Appears to move with the wind.
Appears to have grounded.

Recent Ship Traffic: Y / N

Other Observations:

Key West Background Turbidity Field Sheet Station(s) E-KWT03-2

E-KWT03-__

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CAF/EAH/MGT
Calibration Date: 10/22/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at ~1530 hrs on 10/22/03.
Downloaded File: E-KWT03-2-102003 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 1607 hrs on 10/22/03.

Turbidity Calibration (Circulator ON)	Time: <u>1556</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
<u>DIW</u> or Air		<u>2.8</u>	<u>0.0</u>		
<u>20</u> or		<u>17.5</u>	<u>19.9</u>		
Check Std <u>5</u> or read only		<u>4.7</u>	<u>4.5</u>		
Slope Cal <u>50</u> (must be 3.75 to 6.25 or ±(5%+1NTU))		<u>44.5</u>	<u>49.8</u>		

Time Check- Hydrolab 15:59:10 Watch 15:59:00 Cleaned sensor: Yes or No
Created New File: E-KWT03-2-102203 IBP = 9.9 V Battery used up 10/23?
Programmed to start at 1610 hrs on 10/22/03 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): ← 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-KWT03-2

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: CRF/TWM/MGD
Calibration Date: 10/20/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 13 hrs on 10/20/03.
Downloaded File: E-KWT03-2-101803 Checked file content: Y or N Backed up file: Y or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 1341 hrs on 10/20/03.

Turbidity Calibration (Circulator ON)	Time: <u>1328</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
	<u>DIW or Air</u>	<u>0.0</u>	<u>0.0</u>	_____	_____
	<u>20 or _____</u>	<u>19.2</u>	<u>20.0</u>	_____	_____
Check Std	<u>5 or _____</u> read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>4.0</u>	<u>3.9</u>	_____	_____

Time Check- Hydrolab 13:25:30 Watch 13:25:22 ^{CRF 10/20/03} Cleaned sensor: Yes or No
Created New File: E-KWT03-2-102003 IBP = 1210:24 Battery used up 11/05/03
Programmed to start at 1350 hrs on 10/20/03 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: 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: ~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: _____ 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: _____

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SAC/TWM/MGD
Calibration Date: 10/18/07

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 0745 hrs on 10/18/03.
Downloaded Filename: E-KWT03-2-101603 Checked file content: or N Backed up file: or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 0912 hrs on 10/18/03.

Turbidity Calibration (Circulator ON)	Time: <u>0840</u> Standard DIW or Air 50 or <u>10</u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	5 or ___ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>1.4</u>	<u>0.0</u>	<u>0.0</u>	___
		<u>21.2</u>	<u>19.4</u>	___	___
		<u>5.7</u>	<u>4.8</u>	___	___

Time Check- Hydrolab GPS: ___ Watch ___:___:___ Cleaned sensor: or No
Created New File: E-KWT03-2-101803 IBP = 10.7 V Battery used up 11/06/03 72%
Programmed to start at 0910 hrs on 10/18/03 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: SUNNY, CLEAR, BREEZY
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: 2 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. _____ Track ID: _____
Time deployed _____ hrs, Time retrieved _____ hrs Nominal depth to drum top: _____ ft
Obvious Cross Wind or Currents: <u>Y/N</u> _____

Recent Ship Traffic: Y/N 2 NAVY SHIPS IN ^{between} 8:15-8:55

Other Observations: _____

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: SAC/TJM(M61)
Calibration Date: 10/16/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 0910 hrs on 10/16/03.
Downloaded Filename: E-KWT03-2 Checked file content: or N Backed up file: or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 0915 hrs on 10/16/03.

Turbidity Calibration (Circulator ON)	Time: <u>1003</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>0.8</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
		<u>22.5</u>	<u>20.4</u>	<u>19.9</u>	<u> </u>
		<u>4.9</u>	<u>6.4</u>	<u>5.1</u>	<u> </u>

Time Check- Hydrolab GPS: Watch : : +12.0 Cleaned sensor: or No
Created New File: E-KWT03-2-101603 IBP = 9.5 7.0 V Battery used up 11/12/03 100%
Programmed to start at 0915 hrs on 10/16/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: /N by TJM Cap burped: /N by TJM

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: BREEZY
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 /
Surface Current Direction (flowing to): 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: BATTERY CHANGE

Key West Background Turbidity Field Sheet Station(s) E-KWT03-2

E-KWT03-2

Water and Air Research, Inc.
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Phone: 352/372-1500

Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, SAC, TWM, OWM
Calibration Date: 10/14/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 1204 hrs on 10/14/03.
Downloaded Filename: E-KWT03-2-101203 Checked file content (Y or N) Backed up file: (Y or N)

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at _____ hrs on 10/14/03.

Turbidity Calibration (Circulator ON)	Time: <u>1207</u> Standard DIW or Air 50 or <u>20</u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	5 or _____ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>0.0</u>	<u>0.0</u>	<u>0.5</u>	_____
		<u>17.8</u>	<u>20.1</u>	_____	_____
		<u>4.7</u>	<u>6.3</u>	_____	_____

Time Check- Hydrolab ____:____:____ Watch ____:____:____ Cleaned sensor: Yes or No
Created New File: E-KWT03-2-101403 IBP = 9.8 V Battery used up 10/25/03 41%
Programmed to start at 1240 hrs on 10/14/03 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: PART CLOUDY 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): _____ 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: _____

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Project: PPB/COE - Key West Background Turbidity
Project Number: 03-7333-03
Field Team Members: TFB, ONH
Calibration Date: 10/12/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 1100 hrs on 10/12/03.
Downloaded Filename: E-kwt03-2-101003 Checked file content: or N Backed up file: or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 1118 hrs on 10/12/03.

<u>Turbidity Calibration</u> (Circulator ON)	Time: <u>1110</u> Standard DIW or Air 50 or <u>20</u>	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
Check Std	5 or ___ read only (must be 3.75 to 6.25 or ±(5%+1NTU))	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	___
		<u>19.8-20.1</u>	<u>19.9</u>	___	___
		<u>5.4-5.5</u>	<u>5.3</u>	___	___

Time Check- Hydrolab GPS Watch ___:___:___ Cleaned sensor: Yes or No
Created New File: E-KWT03-2-101203 IBP = 9.5 V Battery used up 10/25/03. 50% left
Programmed to start at 1130 hrs on 10/12/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: N by TFB Cap burped: 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: 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: 21 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y/N ___
Surface Current Direction (flowing to): NONE and Speed: N/A 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-KWT03-2

E-KWT03-2

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

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at ¹⁰²⁰1055 hrs on 10/10/03.
Downloaded Filename: E-KWT03-2 Checked file content or N Backed up file: or N
-100803

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 1055 hrs on 10/10/03.

Turbidity Calibration (Circulator ON)	Time: <u>1040</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
<input checked="" type="checkbox"/> or Air	<u>DIW</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	
50 or <u>20</u>		<u>19.8</u>	<u>19.8</u>		
Check Std <input checked="" type="checkbox"/> or _____ read only (must be 3.75 to 6.25 or ±(5%+1NTU))			<u>4.5-4.6</u>		

Time Check- Hydrolab GPS ✓ Watch _____:_____:_____ Cleaned sensor: or No
Created New File: E-KWT03-2-101003 IBP = 10.3 V Battery used up 10/10/03 63% left
Programmed to start at 1100 hrs on 10/10/03 at 2-min. intervals. (start times at 00, 10, 20, 30, 40, 50)
Data Terminal Cap: Silicone applied: or N by TFB Cap burped: or 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: 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: 21 ft
Tidal Stage: Falling Slack Low Rising Slack High
Water Mass Boundary Present: Y/N
Surface Current Direction (flowing to): NONE and Speed: NA 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-KWT03-2

E-KWT03-2

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: 10/8/03

Retrieved HYDROLAB # 36409 from Station E-KWT03-2 at 1200 hrs on 10 / 8 /03.
Downloaded Filename: E-KWT03-2 Checked file content Y or N Backed up file: Y or N

HYDROLAB # 36409 Deployed at Station E-KWT03-2 at 1217 hrs on 10 / 8 /03.

Turbidity Calibration	Time: <u>1210</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
(Circulator ON)	<input checked="" type="radio"/> DIW or Air	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	
	<input checked="" type="radio"/> 50 or _____	<u>50.2</u>	<u>50.2</u>		
Check Std	<input checked="" type="radio"/> 50 or _____ read only (must be 3.75 to 6.25 or ±(5%+1NTU))		<u>4.2</u>		

Time Check- Hydrolab GPS ✓: _____ Watch _____: _____: _____ Cleaned sensor: Yes or No
Created New File: E-KWT03-2-100603 IBP = 10.5 V Battery used up 10 / 26 /03.
Programmed to start at 1220 hrs on 10 / 8 /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: 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: 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: 1 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: ^{RENAME} RENAMED FILE E-KWT03-2-100603

Key West Background Turbidity Field Sheet Station(s) E-KWT03-2

E-KWT03-2

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 # 36409 Deployed at Station FLEMMING BAY - RED 12 E-KWT03-2 at 1445 hrs on 10 / 6 /03.

Turbidity Calibration (Circulator ON)	Time: <u>1036</u> Standard	Calibration Responses (NTU)			
		PreCal	PostCal	ReCal-1	ReCal-2
<u>DIW</u> or Air		<u>0.7</u>	<u>0.0-0.1</u>	<u>0.0</u> ^{POST} <u>CHECK</u>	
<u>50</u> or _____		<u>50.2</u>	<u>49.9-50.1</u>		
Check Std	<u>5</u> or _____ read only (must be 3.75 to 6.25 or ±(5%+INTU))		<u>4.6</u>		

Time Check- Hydrolab GPS SET Watch GPS SET Cleaned sensor: Yes or No
Created New File: E-KWT03-2 IBP = 11.8 V Battery used up 11 / 11 /03. 96% left
Programmed to start at 1440 hrs on 10 / 6 /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: OVERCAST ? WIND!
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: 4.05 ft
Tidal Stage: Falling Slack Low (Rising) Slack High
Water Mass Boundary Present: Y (N)
Surface Current Direction (flowing to): SW 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: <u>Y</u> / <u>N</u> _____

Recent Ship Traffic: Y (N)

Other Observations: RESET CLOCK TO DGPS TIME, RESET DATE, DEPLOYED AFTER START TIME, *RENAME FILE: E-KWT03-2-100603