

APPENDIX F

Calibration/Certification Reports

CALIFORNIA AIR RESOURCES BOARD

FLOW CALIBRATION REPORT

TO: TESTING AND EVALUATIONS
LAJUAN TAYLOR

LOG NUMBER : 2006 176

FROM: ROBERT RUSSELL\BRIAN SPREADBOROUGH
Program Evaluation & Standards

CALIBRATION DATE: 09/07/2006
REPORT DATE : 09/07/2006

IDENTIFICATION

Instrument : AALBORG 100 cc/min
Position number : 1
Property No. : 20005345
Serial No. : G18861
Previous Log No. : 2005 184
Bar Code No. : 20005345
Elevation : 25.00'
Inst. Prop. Of : TESTING AND EVALUATIONS BRANCH / MLD

Site Name : MLD Standards Lab
Site Number : 34-299
Location : 1309 T-Street
Sacramento, CA 95814

CALIBRATION STANDARDS	ID NUMBER
molbox	20021121

CALIBRATION RESULTS

Component	FLOW
Instrument Range	0-100 SCCM
Initial Zero Setting	
Initial Span Setting	
Final Zero Setting	
Final Span Setting	
Slope	0.987
Intercept	-0.627
Correlation Coefficient	0.99999
Change From Previous Calibration (%)	1.1690
Date Of Last Calibration.	08/19/2005

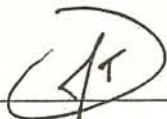
Calibration Equation:

Calibration Expires: 09/07/2007

Std. FLOW = 1.014 * (Net Display) + 0.635

Comments:

CALIBRATED BY:



CHECKED BY:



CALIFORNIA AIR RESOURCES BOARD

FLOW CALIBRATION REPORT

TO: SPECIAL PURPOSE MONITORING
STEVE RIDER

LOG NUMBER : 2007 086

FROM: ROBERT RUSSELL\BRIAN SPREADBOROUGH
Program Evaluation & Standards

CALIBRATION DATE: 04/04/2007
REPORT DATE : 04/04/2007

IDENTIFICATION

Instrument : AALBORG 100 cc/min
Position number : 1
Property No. : 20005346
Serial No. : G18847
Previous Log No. : 2006 085
Bar Code No. : 20005346
Elevation : 25.00'
Inst. Prop. Of : TESTING AND EVALUATIONS BRANCH / MLD

Site Name : MLD Standards Lab
Site Number : 34-299
Location : 1309 T-Street
Sacramento, CA 95814

CALIBRATION STANDARDS	ID NUMBER
molbox	20021493

CALIBRATION RESULTS

Component	FLOW
Instrument Range	0-100SCCM
Initial Zero Setting	
Initial Span Setting	
Final Zero Setting	
Final Span Setting	
Slope	0.992
Intercept	-2.573
Correlation Coefficient	0.99999 ✓
Change From Previous Calibration (%)	-2.686 ✓
Date Of Last Calibration	04/19/2006

Calibration Equation:

Calibration Expires: 04/03/2008

Std. FLOW = 1.008 * (Net Display) + 2.594

Comments:

CALIBRATED BY:



CHECKED BY:



ARB Calibration Report - Relative Humidity

Calibration Summary:

ID Information:
Calibration Info.:

Station Name:	Automet #1 20024843	Manufacturer:	Vaisala	AS-IS:	
Site #:	Acrolein Mile 0-1	Model #:	HMP45D	FINAL:	X
Station Address:	5th St. Warehouse in Sacto.	Serial #:	X3210030	Calibration Date:	07/03/07
Agency:	ARB	Translator #:	466A	Report Date:	07/03/07
		Serial #:	F4831	Previous Cal. Date:	?

Calibration Results:

	Component:	Relative Humidity
Instrument Range (Percent Relative Humidity):		0 to 100
	Slope:	1.007
Relative Humidity Best Fit Line	Intercept:	-0.115
	Correlation:	0.99963
Absolute Average Percent Difference (%RH):		0.7
FINAL Meets PSD Requirements:		YES

Meteorology:

Temperature (°C):	26.0
Elevation (Ft.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Rotronic ER25 Calibration Device:	None	Factory	N.A.
Rotronic EA10 Salt Standard:	100301	04/23/03	(10 x 1)+0
Rotronic EA35 Salt Standard:	350403	09/15/04	(35 x 1)+0
Rotronic EA50 Salt Standard:	500303	08/04/03	(50 x 1)+0
Rotronic EA80 Salt Standard:	800501	01/10/05	(80 x 1)+0

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Calibration Data:
Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	%RH:	DMM Voltage:	%RH:
N.A.	N.A.	N.A.	N.A.

% Relative Humidity Accuracy (If Any Difference > 5.0%RH, adjust so Avg. Diff. Is <2.0%RH Difference)

TRUE %RH (y)	DAS %RH (x)	DAS Voltage	Difference DAS - True	Meets PSD Criteria
0	0.1	N.A.	N.A.	YES
10.3	10.7	N/A	0.4	1
35.5	34.3	N/A	-1.2	1
50.3	50.8	N/A	0.5	1
80.0	79.5	N/A	-0.5	1
ABS Avg. Diff.:			0.7	

Relative Humidity Regression Data

Regression Results:

X Coefficient (Slope):	1.0070
Y Constant (Intercept):	-0.1155
Number of Observations:	4
Correlation:	0.999633

Corrected %RH:

(DAS * x) + y
0.0
10.7
34.4
51.0
79.9
100.0

Comments:	Adjusted Wet & Dry pots. Pre-application calcs. In Sacto.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - % Relative Humidity

Calibration Summary:

ID Information:

Station Name:	Automet #1 20024843	Manufacturer:	Vaisala	AS-IS:	X
Site #:	Acrolein Mile 0-1	Model #:	HMP45D	FINAL:	
Station Address:	5th St. Warehouse in Sacto.	Serial #:	X3210030	Calibration Date:	11/29/07
Agency:	ARB	Translator #:	466A	Report Date:	11/29/07
		Serial #:	F4831	Previous Cal. Date:	07/02/07

Calibration Info.:
Calibration Results:

	Component:	Relative Humidity
Instrument Range (Percent Relative Humidity):		0 to 100
Relative Humidity Best Fit Line	Slope:	#DIV/0!
	Intercept:	#DIV/0!
	Correlation:	#DIV/0!
Absolute Average Percent Difference (%RH):		0.4
AS-IS Meets PSD Requirements:		YES

Meteorology:

Temperature (°C):	23.0
Elevation (Ft.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Rotronic ER25 Calibration Device:	None	Factory	N.A.
Rotronic EA10 Salt Standard:	100301	04/23/03	(10 x 1)+0
Rotronic A1 Hygromer Temp/RH Standard	R42032	04/09/07	(y x 0.996) + 0.010
Rotronic EA50 Salt Standard			(50 x 1) + 0
Rotronic EA80 Salt Standard:	800501	01/10/05	(80 x 1)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	%RH:	DMM Voltage:	%RH:
N.A.	N.A.	N.A.	N.A.

% Relative Humidity Accuracy (If Any Difference > 5.0%RH, adjust so Avg. Diff. Is <2.0%RH Difference)

TRUE %RH (y)	DAS %RH (x)	DAS Voltage	Difference DAS - True	Meets PSD Criteria
0	#DIV/0!	N.A.	N.A.	YES
		N.A.	0.0	1
38.3	36.7	N.A.	-1.6	1
		N.A.	0.0	1
		N.A.	0.0	1
ABS Avg. Diff.:			0.4	

Relative Humidity Regression Data

Regression Results:

x Coefficient (Slope):	#DIV/0!
y Constant (Intercept):	#DIV/0!
Number of Observations:	1
Correlation:	#DIV/0!

Corrected %RH:

(DAS * x) + y
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!

Comments:	Post pesticide study cal.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Resultant Wind Speed

Calibration Summary:

ID Information:

Station Name:	Automet #1 20024843
Site #:	Acrolein Mile 0-1
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	
Model #:	010C	FINAL:	X
Serial #:	A4376	Calibration Date:	07/03/07
Translator #:	466A	Report Date:	07/03/07
Serial #:	F4831	Previous Cal. Date:	?

Calibration Results:

Component:	Wind Speed	
Instrument Range (miles per hour):	0 to 100	
FINAL Starting Torque (gm-cm):	0.46	
FINAL Absolute Avg Speed Difference (MPH):	0.10	
Wind Speed Best Fit Line	Slope:	1.000
	Intercept:	0.095
	Correlation:	1.00000
FINAL Meets Both PSD Requirements:	YES	

Meteorology:

Temperature (°C):	25.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	-10.5
	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
R.M. Young 18310 Torque Disc (0 to 15 gm-cm):		Factory	N.A.
R.M. Young 18810 Selectable Drive (10-1,000 rpm):	10329	12/08/04	RPM=(Meter*10)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	Knots:	DMM Voltage:	Knots:
N.A.	N.A.	N.A.	N.A.

Starting Torque:

In gm-cms:	0.3	Starting speed in meters/sec:	0.46
K Factor:	1.4	Meets PSD torque standard:	YES

Speed Accuracy (@ 0 <0.54 & Difference DAS - True +/-5% of True)

RPM:	True (y): Miles per Hour	DAS (x): MPH	Difference DAS - True	PSD Differ- ence Data	Meets PSD Difference Standard:
0	0.60	0.50	-0.10	1	YES
50	3.58	3.50	-0.08	2.3%	
110	7.16	7.08	-0.09	1.2%	Absolute Avg. Diff.: 0.10
220	13.72	13.60	-0.12	0.9%	
450	27.44	27.34	-0.10	0.4%	
920	55.47	55.37	-0.10	0.2%	

Wind Speed Regression Data

Regression Results:

x Coefficient (Slope):	1.0001
y Constant (Intercept):	0.0953
Number of Observations:	6
Correlation:	1.00000

Corrected RWS:

(DAS * x) + y
0.60
3.60
7.17
13.70
27.44
55.47

Comments:	Pre-Application Cal. performed in Sacto.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Resultant Wind Speed

Calibration Summary:

ID Information:

Station Name:	Automet #1 20024843
Site #:	Acrolein Mile 0-1
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	X
Model #:	010C	FINAL:	
Serial #:	A4376	Calibration Date:	11/29/07
Translator #:	466A	Report Date:	11/29/07
Serial #:	F4831	Previous Cal. Date:	07/03/07

Calibration Results:

Component:	Wind Speed	
Instrument Range (miles per hour):	0 to 100	
AS-IS Starting Torque (gm-cm):	0.46	
AS-IS Absolute Avg Speed Difference (MPH):	0.09	
Wind Speed Best Fit Line	Slope:	1.000
	Intercept:	0.098
	Correlation:	1.00000
AS-IS Meets Both PSD Requirements:		YES

Meteorology:

Temperature (°C):	23.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	-10.5
	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
R.M. Young 18310 Torque Disc (0 to 15 gm-cm):	N.A.	N.A.	N.A.
R.M. Young 18810 Selectable Drive (10-1,000 rpm):	10329	12/08/04	RPM=(Meter*10)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	Knots:	DMM Voltage:	Knots:
N.A.	N.A.	N.A.	N.A.

Starting Torque:

In gm-cms:	0.3	Starting speed in meters/sec:	0.46
K Factor:	1.4	Meets PSD torque standard:	YES

Speed Accuracy (@ 0 <0.54 & Difference DAS - True +/-5% of True)

RPM:	True (y): Miles per Hour	DAS (x): MPH	Difference DAS - True	PSD Differ- ence Data	Meets PSD Difference Standard:
0	0.60	0.50	-0.10	1	YES
50	3.58	3.50	-0.09	2.4%	
110	7.16	7.08	-0.09	1.2%	Absolute Avg. Diff.: 0.09
220	13.72	13.61	-0.12	0.8%	
450	27.44	27.34	-0.10	0.4%	
920	55.47	55.39	-0.08	0.2%	

Wind Speed Regression Data

Regression Results:

x Coefficient (Slope):	0.9999
y Constant (Intercept):	0.0979
Number of Observations:	6
Correlation:	1.00000

Corrected RWS:

(DAS * x) + y
0.60
3.59
7.17
13.70
27.43
55.47

Comments:	Post pesticide study cal.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Resultant Wind Direction

Calibration Summary:

ID Information:
Calibration Info.:

Station Name:	Automet #1 20024843	Manufacturer:	Met One	AS-IS:	
Site #:	Acrolein Mile 0-1	Model #:	020C-1	FINAL:	X
Station Address:	Sacto. 5th St. Warehouse	Serial #:	A5293	Calibration Date:	07/02/07
Agency:	ARB	Translator #:	466A	Report Date:	07/03/07
		Serial #:	F4831	Installation Date:	?

Calibration Results:

Component:	Wind Direction
Instrument Range (degrees):	0 to 360
FINAL Azimuth in relation to True North (deg):	1.9
FINAL Starting Torque (gm-cms):	3.9
FINAL Absolute Average Difference (degrees):	1.4
	Slope: 1.012
Wind Direction Best Fit Line	Intercept: -2.492
	Correlation: 0.99999
FINAL Meets Both PSD Requirements:	YES

Meteorology:

Temperature (°C):	26.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Brunton 5008 Pocket Transit	5081192140	Factory	WYSIWYG
R.M. Young 18310 Torque Disk	N.A.	Factory	N.A.
Met One 040 Degree Fixture	N.A.	Factory	WYSIWYG

Calibration Data:

Direction Accuracy:

True Degrees (y):	DAS Degrees (x):	Difference DAS - True	Calculated Data to Meet PSD Direction	Translator:	DMM Voltage:	Degrees:
				Zero Scale:	N.A.	N.A.
10	11.9	1.9	1	Half Scale:	N.A.	N.A.
90	92.0	2.0	1	Starting Torque:	gram-centimeters:	3.9
180	180.3	0.3	1		K Factor:	38
270	268.7	-1.3	1		Speed in m/sec.:	0.32
350	348.3	-1.7	1		Meets torque std.:	YES
Absolute Avg. Diff.:		1.4		PSD Correction:	1.9	

Wind Direction Regression Data

Regression Results:

x Coefficient (Slope):	1.0125
y Constant (Intercept):	-2.4921
Number of Observations:	5
Correlation:	0.999994

Corrected RWD:

(DAS * x) + y	9.6
	90.7
	180.1
	269.6
	350.2

AS-LEFT Condition (0 to 360° only):

Declination of Site (Degrees East):	13.5		Calculated Data to Meet PSD Direction
Calculated True North Heading:	346.5		
Crossarm Orientation Uncorrected Transit Reading:	346.5		
Crossarm Degrees in Relation to True North:	0.0	Meets Direction Standard	1
DAS Output with Vane Parallel to Crossarm:	1.9		1
DAS Output Degrees off from True North:	-358.1		1
Azimuth computed from above measurements:	1.9		YES

Comments:	Pre. Cal. Ran in Sacto. Prior to SUMMER 2007 study. Automet Configs.: 2.47v.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Resultant Wind Direction

Calibration Summary:

ID Information:

Station Name:	Automet #1 20024843
Site #:	Acrolein Mile 0-1
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	X
Model #:	020C-1	FINAL:	
Serial #:	A5293	Calibration Date:	11/29/07
Translator #:	466A	Report Date:	11/29/07
Serial #:	F4831	Previous Cal. Date:	07/02/07

Calibration Results:

Component:	Wind Direction	
Instrument Range (degrees):	0 to 360	
AS-IS Azimuth in relation to True North (deg):	1.9	
AS-IS Starting Torque (gm-cms):	4.3	
AS-IS Absolute Average Difference (degrees):	1.7	
Wind Direction Best Fit Line	Slope:	1.013
	Intercept:	-1.168
	Correlation:	0.99999
AS-IS Meets Both PSD Requirements:		YES

For FINAL, see next page.

Meteorology:

Temperature (°C):	23.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	-10.5
	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Brunton 5008 Pocket Transit	5081192140	Factory	WYSIWYG
R.M. Young 18310 Torque Disk	N.A.	Factory	N.A.
Met One 040 Degree Fixture	N.A.	Factory	WYSIWYG

Calibration Data:

AS-IS Condition (0 to 360° only):

Declination of Site (Degrees East):	14.0	Translator:	DMM Voltage:	Degrees:
Calculated True North Heading:	346.0	Zero Scale:	N.A.	N.A.
Crossarm Orientation Uncorrected Transit Reading:	346.0	Half Scale:	N.A.	N.A.
Crossarm Degrees in Relation to True North:	0.0	Starting Torque:	gram-centimeters:	4.3
DAS Output with Vane Parallel to Crossarm:	1.9		K Factor:	38
DAS Output Degrees off from True North:	-358.1		Speed in m/sec.:	0.34
Azimuth computed from above measurements:	1.9		Meets torque std.:	YES

Direction Accuracy:

True Degrees (y):	DAS Degrees (x):	Difference DAS - True	Calculated Data to Meet PSD Direction
10	10.5	0.5	1
90	90.7	0.7	1
180	178.9	-1.1	1
270	267.4	-2.6	1
350	346.6	-3.4	1

PSD Correction:	1.9
Absolute Avg. Diff.:	1.7
Meets PSD Difference Standard:	YES

Wind Direction Regression Data

Regression Results:

x Coefficient (Slope):	1.0131
y Constant (Intercept):	-1.1682
Number of Observations:	5
Correlation:	0.999994

Corrected RWD:

(DAS * x) + y	9.5
	90.7
	180.1
	269.7
	350.0

ARB Calibration Report - Resultant Wind Direction

FINAL Condition (0 to 360° only):

Declination of Site (Degrees East):	14.0	FINAL PSD	Calculated Data to
Calculated True North Heading:	346.0	Correction	Meet PSD Direction
Crossarm Orientation Uncorrected Transit Reading:	346.0	0.6	
Crossarm Degrees in Relation to True North:	0.0	FINAL Meets	1
DAS Output with Vane Parallel to Crossarm:	0.6	Direction	1
DAS Output Degrees off from True North:	-359.4	Standard	1
Azimuth computed from above measurements:	0.6	YES	1

Comments:	Post-application cal performed in Sacto.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Outside Temperature

Calibration Summary:

ID Information:

Station Name:	AutoMet #01 20024843	Manufacturer:	Met One
Site #:	Acrolein Mile 0-1	Model #:	060A-2
Station Address:	Sacto. 5th St. Warehouse	Serial #:	B4088
Agency:	ARB	Translator #:	466A
		Serial #:	F4831

Calibration Info.:

AS-IS:	
FINAL:	X
Calibration Date:	07/02/07
Report Date:	07/03/07
Previous Cal. Date:	?

Calibration Results:

	Component:	Outside Temp.
Instrument Range (degrees centigrade):		-50 to 50
FINAL Average Ice Bath Difference (°C):		0.31
FINAL Average Ambient Bath Difference (°C):		0.18
FINAL Average Hot Bath Difference (°C):		0.08
Outside Temperature Best Fit Line	Slope:	1.005
	Intercept:	-0.316
	Correlation:	1.00000
FINAL Meets PSD °C Difference Requirement:		YES

Meteorology:

Temperature (°C):	25.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	
Feet Above Roof:	

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Slope:	Intercept:
Digi-Sense 93410-50 Digital Thermometer Cole Parmer Thermister Probe	196743	06/22/07	0.9957	-0.0116
		N.A.	N.A.	N.A.

Calibration Data:

If Average Difference of any bath is >0.5°C, correct.

Translator:

Reference Bath	DAS Degree C (x)	Digital Degree C	True Degree C (y)	Difference DAS - True	Zero Scale:	
					N.A.	N.A.
ICE	0.47	0.17	0.16	0.31	DMM Volts	Degrees C
	0.47	0.17	0.16	0.31	N.A.	N.A.
	0.47	0.17	0.16	0.31	Full Scale:	
Average	0.47		0.16	0.31		
AMBIENT	27.71	27.65	27.52	0.19	Regression & Graph Data:	
	27.66	27.62	27.49	0.17	x	y
	27.55	27.50	27.37	0.18	0.47	0.16
Average	27.64		27.46	0.18	27.64	27.46
HOT	44.47	44.54	44.34	0.13	46.24	46.15
	47.20	47.43	47.21	-0.01	PSD Data:	
	47.04	47.12	46.91	0.13		
Average	46.24		46.15	0.08		

Outside Temperature Regression Data

Regression Results:

x Coefficient (Slope):	1.0050
y Constant (Intercept):	-0.3155
Number of Observations:	3
Correlation:	1.000000

Corrected OTEMP:

(DAS * x) + y
0.16
27.46
46.15

Comments:	Pre-application Cal. In Sacto. AutoMet Configs: 178.84 -72.79.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Outside Temperature

Calibration Summary:

ID Information:

Station Name:	AutoMet #01 20024843
Site #:	Acrolein Mile 0-1
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	X
Model #:	060A-2	FINAL:	
Serial #:	B4088	Calibration Date:	11/29/07
Translator #:	466A	Report Date:	11/29/07
Serial #:	F4831	Previous Cal. Date:	07/02/07

Calibration Results:

Component:	Outside Temp.
Instrument Range (degrees centigrade):	-50 to +50
AS-IS Average Ice Bath Difference (°C):	0.33
AS-IS Average Ambient Bath Difference (°C):	0.19
AS-IS Average Hot Bath Difference (°C):	0.47
Outside Temperature Best Fit Line	Slope: 0.997
	Intercept: -0.261
	Correlation: 0.99999
AS-IS Meets PSD °C Difference Requirement:	YES

Meteorology:

Temperature (°C):	23.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Slope:	Intercept:
Digi-Sense 93410-50 Digital Thermometer	196743	06/22/07	0.9957	-0.0116
Cole Parmer Thermister Probe		N.A.	N.A.	N.A.

Calibration Data:

If Average Difference of any bath is >0.5°C, correct.

Translator:

Reference Bath	DAS Degree C (x)	Digital Degree C	True Degree C (y)	Difference DAS - True	Zero Scale:	
					DMM Volts	Degrees C
ICE	0.47	0.15	0.14	0.33	N.A.	N.A.
	0.47	0.15	0.14	0.33	N.A.	N.A.
	0.47	0.15	0.14	0.33		
Average	0.47		0.14	0.33	Full Scale:	
AMBIENT	24.38	24.30	24.18	0.20	Regression & Graph Data:	
	24.38	24.32	24.20	0.18	x	y
	24.44	24.36	24.24	0.20	0.47	0.14
Average	24.40		24.21	0.19	24.40	24.21
HOT	48.36	48.10	47.88	0.48	48.42	47.96
	48.30	48.10	47.88	0.42	PSD Data:	0.33
	48.61	48.33	48.11	0.50		0.19
Average	48.42		47.96	0.47		

Outside Temperature Regression Data

Regression Results:

x Coefficient (Slope):	0.9972
y Constant (Intercept):	-0.2611
Number of Observations:	3
Correlation:	0.999987

Corrected OTEMP:

(DAS * x) + y
0.21
24.07
48.03

Comments:	Post pesticide study cal. Watch sensor as jumped around approximately 0.2 C in hot bath. AutoMet Configs: 178.84 -72.79.	
Calibrated by:	Steve Rider	Checked by:

ARB Calibration Report - Relative Humidity

Calibration Summary:

ID Information:
Calibration Info.:

Station Name:	Automet #2 20024842	Manufacturer:	Vaisala	AS-IS:	
Site #:	Acrolein Mile 4-5	Model #:	HMP45D	FINAL:	X
Station Address:	5th St. Warehouse in Sacto.	Serial #:	X3210031	Calibration Date:	07/03/07
Agency:	ARB	Translator #:	466A	Report Date:	07/03/07
		Serial #:	F4830	Previous Cal. Date:	?

Calibration Results:

	Component:	Relative Humidity
Instrument Range (Percent Relative Humidity):		0 to 100
	Slope:	1.006
Relative Humidity Best Fit Line	Intercept:	-0.498
	Correlation:	0.99967
Absolute Average Percent Difference (%RH):		0.6
FINAL Meets PSD Requirements:		YES

Meteorology:

Temperature (°C):	26.0
Elevation (Ft.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Rotronic ER25 Calibration Device:	None	Factory	N.A.
Rotronic EA10 Salt Standard:	100301	04/23/03	(10 x 1)+0
Rotronic EA35 Salt Standard:	350403	09/15/04	(35 x 1)+0
Rotronic EA50 Salt Standard:	500303	08/04/03	(50 x 1)+0
Rotronic EA80 Salt Standard:	800501	01/10/05	(80 x 1)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	%RH:	DMM Voltage:	%RH:
N.A.	N.A.	N.A.	N.A.

% Relative Humidity Accuracy (If Any Difference > 5.0%RH, adjust so Avg. Diff. Is <2.0%RH Difference)

TRUE %RH (y)	DAS %RH (x)	DAS Voltage	Difference DAS - True	Meets PSD Criteria
0	0.5	N.A.	N.A.	YES
10.3	10.8	N/A	0.5	1
35.5	35.0	N/A	-0.5	1
50.3	51.5	N/A	1.2	1
80.0	79.7	N/A	-0.3	1
ABS Avg. Diff.:			0.6	

Relative Humidity Regression Data

Regression Results:

X Coefficient (Slope):	1.0059
Y Constant (Intercept):	-0.4976
Number of Observations:	4
Correlation:	0.999668

Corrected %RH:

(DAS * x) + y
0.0
10.4
34.7
51.3
79.7
100.0

Comments:	Adjusted Wet & Dry pots. Pre-application cal. In Sacto.
------------------	--

ARB Calibration Report - % Relative Humidity

Calibration Summary:

ID Information:

Station Name:	Automet #2 20024842	Manufacturer:	Vaisala	AS-IS:	X
Site #:	Acrolein Mile 4-5	Model #:	HMP45D	FINAL:	
Station Address:	5th St. Warehouse in Sacto.	Serial #:	X3210031	Calibration Date:	11/29/07
Agency:	ARB	Translator #:	466A	Report Date:	11/29/07
		Serial #:	F4830	Previous Cal. Date:	07/02/07

Calibration Info.:
Calibration Results:

	Component:	Relative Humidity
Instrument Range (Percent Relative Humidity):		0 to 100
Relative Humidity Best Fit Line	Slope:	#DIV/0!
	Intercept:	#DIV/0!
	Correlation:	#DIV/0!
Absolute Average Percent Difference (%RH):		0.0
AS-IS Meets PSD Requirements:		YES

Meteorology:

Temperature (°C):	23.0
Elevation (Ft.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Rotronic ER25 Calibration Device:	None	Factory	N.A.
Rotronic EA10 Salt Standard:	100301	04/23/03	(10 x 1)+0
Rotronic A1 Hygromer Temp/RH Standard	R42032	04/09/07	(y x 0.996) + 0.010
Rotronic EA50 Salt Standard			(50 x 1) + 0
Rotronic EA80 Salt Standard:	800501	01/10/05	(80 x 1)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	%RH:	DMM Voltage:	%RH:
N.A.	N.A.	N.A.	N.A.

% Relative Humidity Accuracy (If Any Difference > 5.0%RH, adjust so Avg. Diff. Is <2.0%RH Difference)

TRUE %RH (y)	DAS %RH (x)	DAS Voltage	Difference DAS - True	Meets PSD Criteria
0	#DIV/0!	N.A.	N.A.	YES
		N.A.	0.0	1
37.6	37.6	N.A.	0.0	1
		N.A.	0.0	1
		N.A.	0.0	1
ABS Avg. Diff.:			0.0	

Relative Humidity Regression Data

Regression Results:

x Coefficient (Slope):	#DIV/0!
y Constant (Intercept):	#DIV/0!
Number of Observations:	1
Correlation:	#DIV/0!

Corrected %RH:

(DAS * x) + y
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!
#DIV/0!

Comments:	Post pesticide study cal.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Resultant Wind Speed

Calibration Summary:

ID Information:

Station Name:	Automet #2 20024842
Site #:	Acrolein #2 Mile 4-5
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	
Model #:	010C	FINAL:	X
Serial #:	B4137	Calibration Date:	07/03/07
Translator #:	466A	Report Date:	07/03/07
Serial #:	F4830	Previous Cal. Date:	?

Calibration Results:

Component:	Wind Speed	
Instrument Range (miles per hour):	0 to 100	
FINAL Starting Torque (gm-cm):	0.46	
FINAL Absolute Avg Speed Difference (MPH):	0.41	
Wind Speed Best Fit Line	Slope:	0.970
	Intercept:	0.352
	Correlation:	0.99988
FINAL Meets Both PSD Requirements:	YES	

Meteorology:

Temperature (°C):	26.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	-10.5
	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
R.M. Young 18310 Torque Disc (0 to 15 gm-cm):		Factory	N.A.
R.M. Young 18810 Selectable Drive (10-1,000 rpm):	10329	12/08/04	RPM=(Meter*10)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	Knots:	DMM Voltage:	Knots:
N.A.	N.A.	N.A.	N.A.

Starting Torque:

In gm-cms:	0.3	Starting speed in meters/sec:	0.46
K Factor:	1.4	Meets PSD torque standard:	YES

Speed Accuracy (@ 0 <0.54 & Difference DAS - True ±5% of True)

RPM:	True (y): Miles per Hour	DAS (x): MPH	Difference DAS - True	PSD Differ- ence Data	Meets PSD Difference Standard:
0	0.60	0.50	-0.10	1	YES
50	3.58	3.50	-0.09	2.4%	
110	7.16	7.08	-0.09	1.2%	Absolute Avg. Diff.: 0.41
220	13.72	13.60	-0.12	0.9%	
450	27.44	27.34	-0.10	0.4%	
920	55.47	57.13	1.66	3.0%	

Wind Speed Regression Data

Regression Results:

x Coefficient (Slope):	0.9700
y Constant (Intercept):	0.3518
Number of Observations:	6
Correlation:	0.999877

Corrected RWS:

(DAS * x) + y
0.84
3.74
7.21
13.54
26.87
55.77

Comments:	Pre-Application Cal. in Sacramento.	
Calibrated by:	Steve Rider	Checked by:

ARB Calibration Report - Resultant Wind Speed

Calibration Summary:

ID Information:

Station Name:	Automet #2 20024842
Site #:	Acrolein #2 Mile 4-5
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	
Model #:	010C	FINAL:	X
Serial #:	B4137	Calibration Date:	11/29/07
Translator #:	466A	Report Date:	11/29/07
Serial #:	F4830	Previous Cal. Date:	11/29/07

Calibration Results:

Component:	Wind Speed	
Instrument Range (miles per hour):	0 to 100	
FINAL Starting Torque (gm-cm):	0.46	
FINAL Absolute Avg Speed Difference (MPH):	0.10	
Wind Speed Best Fit Line	Slope:	1.000
	Intercept:	0.096
	Correlation:	1.00000
FINAL Meets Both PSD Requirements:	YES	

Meteorology:

Temperature (°C):	23.0
Elevation (Feet.):	60
Pressure (mmHg):	759.0

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	-10.5
	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
R.M. Young 18310 Torque Disc (0 to 15 gm-cm):		Factory	N.A.
R.M. Young 18810 Selectable Drive (10-1,000 rpm):	10329	12/08/04	RPM=(Meter*10)+0

Calibration Data:

Translator:

Zero Scale:		Full Scale:	
DMM Voltage:	Knots:	DMM Voltage:	Knots:
N.A.	N.A.	N.A.	N.A.

Starting Torque:

In gm-cms:	0.3	Starting speed in meters/sec:	0.46
K Factor:	1.4	Meets PSD torque standard:	YES

Speed Accuracy (@ 0 <0.54 & Difference DAS - True +/-5% of True)

RPM:	True (y): Miles per Hour	DAS (x): MPH	Difference DAS - True	PSD Differ- ence Data	Meets PSD Difference Standard:
0	0.60	0.50	-0.10	1	YES
50	3.58	3.50	-0.09	2.4%	
110	7.16	7.08	-0.09	1.2%	Absolute Avg. Diff.: 0.10
220	13.72	13.61	-0.12	0.8%	
450	27.44	27.34	-0.10	0.4%	
920	55.47	55.38	-0.09	0.2%	

Wind Speed Regression Data

Regression Results:

x Coefficient (Slope):	1.0000
y Constant (Intercept):	0.0964
Number of Observations:	6
Correlation:	1.000000

Corrected RWS:

(DAS * x) + y
0.60
3.59
7.17
13.70
27.44
55.47

Comments:	After changing offset back to 0.5.	
Calibrated by:	Steve Rider	Checked by:

ARB Calibration Report - Resultant Wind Direction

Calibration Summary:

ID Information:
Calibration Info.:

Station Name:	Automet #2 20024842	Manufacturer:	Met One	AS-IS:	
Site #:	Acrolein Mile 4-5	Model #:	020C-1	FINAL:	X
Station Address:	Sacto. 5th St. Warehouse	Serial #:	B4789	Calibration Date:	07/02/07
Agency:	ARB	Translator #:	466A	Report Date:	07/03/07
		Serial #:	F4830	Installation Date:	?

Calibration Results:

Component:	Wind Direction
Instrument Range (degrees):	0 to 360
FINAL Azimuth in relation to True North (deg):	2.2
FINAL Starting Torque (gm-cms):	4.1
FINAL Absolute Average Difference (degrees):	1.8
	Slope:
	1.014
Wind Direction Best Fit Line	Intercept:
	-2.342
	Correlation:
	0.99998
FINAL Meets Both PSD Requirements:	YES

Meteorology:

Temperature (°C):	26.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
meet EPA height:	-10.5
To meet EPA height:	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Brunton 5008 Pocket Transit	5081192140	Factory	WYSIWYG
R.M. Young 18310 Torque Disk	N.A.	Factory	N.A.
Met One 040 Degree Fixture	N.A.	Factory	WYSIWYG

Calibration Data:

Direction Accuracy:

True Degrees (y):	DAS Degrees (x):	Difference DAS - True	Calculated Data to Meet PSD Direction	Translator:	DMM Voltage:	Degrees:
				Zero Scale:	N.A.	N.A.
10	11.9	1.9	1	Half Scale:	N.A.	N.A.
90	92.0	2.0	1	Starting Torque:	gram-centimeters:	4.1
180	179.5	-0.5	1		K Factor:	38
270	267.3	-2.7	1		Speed in m/sec.:	0.33
350	348.3	-1.7	1		Meets torque std.:	YES
Absolute Avg. Diff.:		1.8		PSD Correction:	2.2	

Wind Direction Regression Data

Regression Results:

x Coefficient (Slope):	1.0141
y Constant (Intercept):	-2.3419
Number of Observations:	5
Correlation:	0.999977

Corrected RWD:

(DAS * x) + y
9.7
91.0
179.7
268.7
350.9

AS-LEFT Condition (0 to 360° only):

Declination of Site (Degrees East):	13.5		Calculated Data to Meet PSD Direction
Calculated True North Heading:	346.5		
Crossarm Orientation Uncorrected Transit Reading:	346.5		
Crossarm Degrees in Relation to True North:	0.0	Meets Direction Standard	1
DAS Output with Vane Parallel to Crossarm:	2.2		1
DAS Output Degrees off from True North:	-357.8		1
Azimuth computed from above measurements:	2.2		YES

Comments:	Pre. Cal. Ran in Sacto. Prior to SUMMER 2007 study. Automet configs: 2.45v.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Resultant Wind Direction

Calibration Summary:

ID Information:

Station Name:	Automet #2 20024842
Site #:	Acrolein Mile 4-5
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	X
Model #:	020C-1	FINAL:	
Serial #:	B4789	Calibration Date:	11/29/07
Translator #:	466A	Report Date:	11/29/07
Serial #:	F4830	Previous Cal. Date:	07/02/07

Calibration Results:

Component:	Wind Direction	
Instrument Range (degrees):	0 to 360	
AS-IS Azimuth in relation to True North (deg):	2.2	
AS-IS Starting Torque (gm-cms):	5.1	
AS-IS Absolute Average Difference (degrees):	1.3	
Wind Direction Best Fit Line	Slope:	1.010
	Intercept:	-1.756
	Correlation:	0.99999
AS-IS Meets Both PSD Requirements:		YES

For FINAL, see next page.

Meteorology:

Temperature (°C):	23.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	10.5
Roof height in feet.:	0.0
Calculated data to meet EPA height:	22.3
To meet EPA height:	-10.5
	22.3

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Cert. Factor:
Brunton 5008 Pocket Transit	5081192140	Factory	WYSIWYG
R.M. Young 18310 Torque Disk	N.A.	Factory	N.A.
Met One 040 Degree Fixture	N.A.	Factory	WYSIWYG

Calibration Data:

AS-IS Condition (0 to 360° only):

Declination of Site (Degrees East):	14.0	Translator:	DMM Voltage:	Degrees:
Calculated True North Heading:	346.0	Zero Scale:	N.A.	N.A.
Crossarm Orientation Uncorrected Transit Reading:	346.0	Half Scale:	N.A.	N.A.
Crossarm Degrees in Relation to True North:	0.0	Starting Torque:	gram-centimeters:	5.1
DAS Output with Vane Parallel to Crossarm:	2.2		K Factor:	38
DAS Output Degrees off from True North:	-357.8		Speed in m/sec.:	0.37
Azimuth computed from above measurements:	2.2		Meets torque std.:	YES

Direction Accuracy:

True Degrees (y):	DAS Degrees (x):	Difference DAS - True	Calculated Data to Meet PSD Direction
10	11.4	1.4	1
90	91.6	1.6	1
180	179.6	-0.4	1
270	268.0	-2.0	1
350	348.8	-1.2	1

PSD Correction:	2.2
Absolute Avg. Diff.:	1.3
Meets PSD Difference Standard:	YES

Wind Direction Regression Data

Regression Results:

x Coefficient (Slope):	1.0104
y Constant (Intercept):	-1.7562
Number of Observations:	5
Correlation:	0.999985

Corrected RWD:

(DAS * x) + y	9.8
	90.8
	179.7
	269.0
	350.7

ARB Calibration Report - Resultant Wind Direction

FINAL Condition (0 to 360° only):

Declination of Site (Degrees East):	14.0	FINAL PSD	Calculated Data to
Calculated True North Heading:	346.0	Correction	Meet PSD Direction
Crossarm Orientation Uncorrected Transit Reading:	346.0	2.0	
Crossarm Degrees in Relation to True North:	0.0	FINAL Meets	1
DAS Output with Vane Parallel to Crossarm:	2.0	Direction	1
DAS Output Degrees off from True North:	-358.0	Standard	1
Azimuth computed from above measurements:	2.0	YES	1

Comments:	Post pesticide study cal.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Outside Temperature

Calibration Summary:

ID Information:

Station Name:	AutoMet #02 20024842	Manufacturer:	Met One
Site #:	Acrolein Mile 4-5	Model #:	060A-2
Station Address:	Sacto. 5th St. Warehouse	Serial #:	U1516
Agency:	ARB	Translator #:	466A
		Serial #:	F4830

Calibration Info.:

AS-IS:	
FINAL:	X
Calibration Date:	07/02/07
Report Date:	07/03/07
Previous Cal. Date:	?

Calibration Results:

	Component:	Outside Temp.
Instrument Range (degrees centigrade):		-50 to 50
FINAL Average Ice Bath Difference (°C):		0.26
FINAL Average Ambient Bath Difference (°C):		0.06
FINAL Average Hot Bath Difference (°C):		-0.03
Outside Temperature Best Fit Line	Slope:	1.006
	Intercept:	-0.258
	Correlation:	1.00000
FINAL Meets PSD °C Difference Requirement:		YES

Meteorology:

Temperature (°C):	25.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Slope:	Intercept:
Omega HH-64 Digital Thermometer	196743	06/22/07	0.9957	-0.0116
Omega KHSS-316U-RSC-12 Thermister Probe		N.A.	N.A.	N.A.

Calibration Data:

If Average Difference of any bath is >0.5°C, correct.

Translator:

Reference Bath	DAS Degree C (x)	Digital Degree C	True Degree C (y)	Difference DAS - True	Zero Scale:	
					N.A.	N.A.
ICE	0.42	0.17	0.16	0.26	DMM Volts	Degrees C
	0.42	0.17	0.16	0.26	N.A.	N.A.
	0.42	0.17	0.16	0.26	Full Scale:	
Average	0.42		0.16	0.26	Regression & Graph Data:	
AMBIENT	27.60	27.66	27.53	0.07	x	y
	27.55	27.62	27.49	0.06	0.42	0.16
	27.44	27.51	27.38	0.06	27.53	27.47
Average	27.53		27.47	0.06	46.14	46.17
HOT	44.36	44.60	44.40	-0.04	PSD Data:	0.26
	47.07	47.38	47.16	-0.09		0.06
	47.00	47.17	46.96	0.04		-0.03
Average	46.14		46.17	-0.03		

Outside Temperature Regression Data

Regression Results:

x Coefficient (Slope):	1.0064
y Constant (Intercept):	-0.2581
Number of Observations:	3
Correlation:	1.00000

Corrected OTEMP:

(DAS * x) + y
0.16
27.45
46.18

Comments:	Pre-application cal. In Sacto. AutoMet Configs: 178.84 -72.79.		
Calibrated by:	Steve Rider		Checked by:

ARB Calibration Report - Outside Temperature

Calibration Summary:

ID Information:

Station Name:	AutoMet #02 20024842
Site #:	Acrolein Mile 4-5
Station Address:	Sacto. 5th St. Warehouse
Agency:	ARB

Calibration Info.:

Manufacturer:	Met One	AS-IS:	X
Model #:	060A-2	FINAL:	
Serial #:	U1516	Calibration Date:	11/29/07
Translator #:	466A	Report Date:	11/29/07
Serial #:	F4830	Previous Cal. Date:	07/02/07

Calibration Results:

Component:	Outside Temp.
Instrument Range (degrees centigrade):	-50 to +50
AS-IS Average Ice Bath Difference (°C):	0.25
AS-IS Average Ambient Bath Difference (°C):	0.15
AS-IS Average Hot Bath Difference (°C):	0.15
Outside Temperature Best Fit Line	Slope: 1.002 Intercept: -0.231
	Correlation: 1.00000
AS-IS Meets PSD °C Difference Requirement:	YES

Meteorology:

Temperature (°C):	23.0
Elevation (Feet.):	50
Pressure (mmHg):	759.3

Sensor Height:

Feet Above Ground:	8.5
Feet Above Roof:	N.A.

Calibration Standards:

Standard:	I.D. #:	Cert. Date:	Slope:	Intercept:
Digi-Sense 93410-50 Digital Thermometer	196743	06/22/07	0.9957	-0.0116
Cole Parmer Thermister Probe		N.A.	N.A.	N.A.

Calibration Data:

If Average Difference of any bath is >0.5°C, correct.

Translator:

Reference Bath	DAS Degree C (x)	Digital Degree C	True Degree C (y)	Difference DAS - True	Zero Scale:	
					DMM Volts	Degrees C
ICE	0.42	0.20	0.19	0.23	N.A.	N.A.
	0.47	0.23	0.22	0.25	N.A.	N.A.
	0.42	0.18	0.17	0.25	Full Scale:	
Average	0.44		0.19	0.25	Regression & Graph Data:	
AMBIENT	24.33	24.29	24.17	0.16	x	y
	24.33	24.30	24.18	0.15	0.44	0.19
	24.38	24.34	24.22	0.16	24.35	24.19
Average	24.35		24.19	0.15	48.03	47.88
HOT	48.05	48.11	47.89	0.16	PSD Data:	
	48.02	48.11	47.89	0.13		
	48.02	48.07	47.85	0.17		
Average	48.03		47.88	0.15	0.25	0.15

Outside Temperature Regression Data

Regression Results:

x Coefficient (Slope):	1.0020
y Constant (Intercept):	-0.2315
Number of Observations:	3
Correlation:	0.999999

Corrected OTEMP:

(DAS * x) + y
0.21
24.16
47.89

Comments:	Post pesticide study cal. AutoMet Configs: 178.84 -72.79.		
Calibrated by:	Steve Rider		Checked by: