

ANEXO 6-3

RUIDO

CERTIFICADOS DE CALIBRACIÓN

Certificate of Calibration

Certificate Number: 112228

Document Number: 65754

Customer Details:

Customer Name: URS HOLDINGS INC

Instrument Details:

Manufacturer: EXTECH INSTRUMENTS
Description: SOUND LEVEL CALIBRATOR
Model Number: 407766
Serial Number: Z300079
Equip. ID Number: N/A

Calibration Date: June 13, 2014
Calibration Due: June 13, 2015
Cal. Interval: 12 MONTHS
As Received: IN TOLERANCE

Environmental Details:

Temperature: 21 Deg. +/- 5 C

Relative Humidity: 40 % +/- 15 %

Procedures Used:

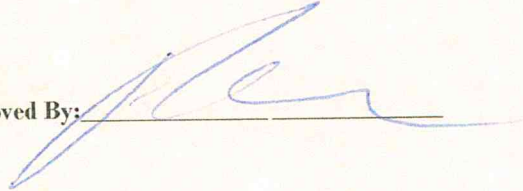
Calibration Procedure: EICM407766-CP

Certification

Extech Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques. Methods used are in accordance with ISO 10012-1 and ANSI/NCSL Z540-1-1994. This certificate is not to be reproduced other than in full, except with prior written approval of Extech Instruments Corporation. All the calibration standards used have an accuracy ratio of 4:1 or better, unless otherwise stated.

Technicians Notes:

Technician: CHAWNNI CHANSY

Approved By: 

Certificate of Calibration

Certificate Number: 111946

Document Number: 51276

Customer Details:

Customer Name: URS HOLDINGS INC

Instrument Details:

Manufacturer: EXTECH INSTRUMENTS
Description: SOUND LEVEL CALIBRATOR
Model Number: 407744
Serial Number: Z178919
Equip. ID Number: N/A

Calibration Date: June 9, 2014
Calibration Due: June 9, 2015
Cal. Interval: 12 MONTHS
As Received: IN TOLERANCE

Environmental Details:

Temperature: 21 Deg. +/- 5 C

Relative Humidity: 40 % +/- 15 %

Procedures Used:

Calibration Procedure: EICM407744-CP

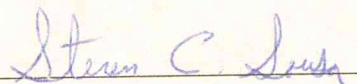
Certification

Extech Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques. Methods used are in accordance with ISO 10012-1 and ANSI/NCSL Z540-1-1994. This certificate is not to be reproduced other than in full, except with prior written approval of Extech Instruments Corporation. All the calibration standards used have an accuracy ratio of 4:1 or better, unless otherwise stated.

Technicians Notes:

Technician: CHAWNNI CHANSY

Approved By:



Certificate of Calibration

Certificate Number: 112227

Document Number: 51275

Customer Details:

Customer Name: URS HOLDINGS INC

Instrument Details:

Manufacturer: EXTECH INSTRUMENTS
Description: SOUND LEVEL CALIBRATOR
Model Number: 407766
Serial Number: Z088929
Equip. ID Number: N/A

Calibration Date: June 13, 2014
Calibration Due: June 13, 2015
Cal. Interval: 12 MONTHS
As Received: IN TOLERANCE

Environmental Details:

Temperature: 21 Deg. +/- 5 C

Relative Humidity: 40 % +/- 15 %

Procedures Used:

Calibration Procedure: EICM407766-CP

Certification

Extech Instruments certifies that the instrument listed above meets the specifications of the manufacturer at the completion of its calibration. Standards used are traceable to the National Institute of Standards and Technology (NIST), or have been derived from accepted values, natural physical constants, or through the use of the ratio method of self-calibration techniques. Methods used are in accordance with ISO 10012-1 and ANSI/NCSL Z540-1-1994. This certificate is not to be reproduced other than in full, except with prior written approval of Extech Instruments Corporation. All the calibration standards used have an accuracy ratio of 4:1 or better, unless otherwise stated.

Technicians Notes:

Technician: CHAWNNI CHANSY

Approved By: 



CERTIFICADO DE CALIBRACION

No. 0459

Fecha de revisión: **21 de Julio del 2014**

Marca de equipo: **Extech Instruments**

Observaciones y/o trabajos a realizar:

2. Configuración general.
3. Calibración de Sonometro a 114 db / 94 db / 1 Khz.

type: EXTECH INSTRUMENTS

Sound Level Meter

Serial N°: H008300

Calibration Tech. Note:

Model: 407780

Extech Manual - 407750 Page-8

Calibration Instrument: EXTECH - Sound Level Calibrator, model 407744

Frecuency: 94db / 1Khz, Calibrated-NIST Traceable

Serial Number: Z169556

Certification Number: 21364

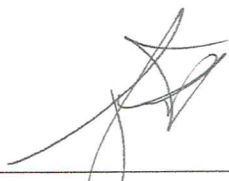
Calibration Instrument: CEL 120/1 CASELLA / Sound Level Calibrator

Serial Number: 1021785 **Frecuency:** 94dB-114dB ANSI S1.40-2006

Last Calibration: 21 de Julio 2014

	<u>Test</u>
Results:	ok
Resolution/Acuracy:	$\pm 1.4\text{dB} / 0.5\text{dB}$
Level Calibrator:	114dB/94dB / 1Khz
Exposure Reading:	114 dB/94 dB
Band measure:	31.5 Hz - 8 kHz
Scale:	30 - 130 dB
Final Reading:	114.2 / 94.4dB




 Departamento Serv. Tecnico
 Joel A. Espinosa



CERTIFICADO DE CALIBRACION

No. 0553

Fecha de revisión: 17 DE MARZO 2015

Cliente: Sr. Guillermo

Nombre de la Empresa: Urs Holding Inc.

Observaciones y/o trabajos a realizar:

2. Configuración general.
3. Calibración de Dosímetro a 114 db y 94 db / 1 Khz.

type:	EXTECH	Serial N°:	Z308659
	Sound Level Dosimeter	Calibration Tech. Note:	
Model:	CEL-35X D-Badge		Casella D-badge- Manual Tech
Calibration Instrument:	EXTECH - Sound Level Calibrator, model CEL-120-2		
	Frecuency: 114db / 94db / 1Khz, Calibrated-NIST Traceable		
	Serial Number: Z308659	Certification Number:	FK224894

Last Calibration: 17 de MARZO 2015

	<u>Test</u>
Results:	ok
Resolution/Acuracy:	± 1.5dB / 0.1dB
Level Calibrator:	114db / 1Khz
Exposure Reading:	114.0db
Band measure:	31.5 Hz - 8 kHz
Scale:	70 - 130 dB
Final Reading:	113.9dB


 Departamento Tecnico
 FELIPE MOLINA V.

**FORMULARIOS DE CAMPO
SEMANAL**

Fecha: 11/11/2014.		Responsable de la Medición: V.V / KG	
I. INFORMACIÓN DEL ÁREA			
Lugar: R-1. Hosp. San Miguel Arcángel		Corregimiento / Ciudad: Amelia Domínguez de Icaza / Panamá	
Fuente de Ruido Medida: Receptor			
Coordenadas del Punto de Medición: 663978 / 998658			
Colindantes del Punto de Medición: Hospital San Miguel Arcángel, vereda Nochebueno, McDonald, Est. San Miguelito La Gran Est.			
II. INFORMACIÓN AMBIENTAL			
Humedad Relativa: 77.7 %		Temperatura: 29.5 °C	Vel. Viento: 0.0 Km/hr.
Lluvia: No		Observaciones: Nublado	
III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN			
Instrumento Extch: Sonómetro		Modelo: 407780	Serie #: 2308659
Fecha de Calibración: Febrero 2015			
Calibrador Extch: Junio 2015		Modelo: 407744	Serie #: 2178919
Baterías Revisadas Sonómetro (S/N):		Precalibración: Por: 93.8 dB V.V.	Postcalibración: Por: 93.6 dB V.V.
Baterías Revisadas Calibrador (S/N):			
IV. INFORMACIÓN / RESULTADOS			
TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD	
Hora Inicial:	Hora Final:	Leq:	
2:23 PM	3:23 PM	78.1 dB	
- Ruido de la sirena de una ambulancia.			
- Sonido del tránsito constante de vehículos			
- Bocina de los vehículos.			
- Voces de personas.			
- Pasa de buses			
- Tránsito de un camión de la basura.			
- Aclarar de un auto.			
- Ruido del motor de un camión.			

Date Time=11/11/14 14:23:00
Sampling Time=1
Record Num= 3600
Leq Value=78.1 SEL Value=113.7
MAX Value=99.8
MIN Value=65.8
Freq Weighting=A Time Weighting=Slow
0.0,14:23:00,
79.9,14:23:01,
79.8,14:23:02,
79.4,14:23:03,
79.2,14:23:04,
79.1,14:23:05,
79.0,14:23:06,
78.9,14:23:07,
79.1,14:23:08,
79.1,14:23:09,
79.0,14:23:10,
78.9,14:23:11,
78.7,14:23:12,
78.6,14:23:13,
78.5,14:23:14,
78.4,14:23:15,
78.3,14:23:16,
78.2,14:23:17,
78.1,14:23:18,
78.0,14:23:19,
78.0,14:23:20,
77.9,14:23:21,
77.9,14:23:22,
77.8,14:23:23,
77.8,14:23:24,
77.7,14:23:25,
77.7,14:23:26,
77.6,14:23:27,
77.6,14:23:28,
77.6,14:23:29,
77.6,14:23:30,
77.7,14:23:31,
77.8,14:23:32,
78.0,14:23:33,
78.1,14:23:34,
78.2,14:23:35,
78.2,14:23:36,
78.3,14:23:37,
78.3,14:23:38,
78.4,14:23:39,
78.4,14:23:40,
78.4,14:23:41,
78.4,14:23:42,
78.4,14:23:43,
78.3,14:23:44,
78.3,14:23:45,
78.2,14:23:46,

[illegible]

Date Time=11/12/14 00:22:00
Sampling Time=1
Record Num= 3601
Leq Value=73.4 SEL Value=109.0
MAX Value=89.6
MIN Value=51.3
Freq Weighting=A Time Weighting=Slow
0.0,00:22:00,
86.6,00:22:01,
85.4,00:22:02,
84.4,00:22:03,
83.7,00:22:04,
83.1,00:22:05,
82.5,00:22:06,
82.0,00:22:07,
81.5,00:22:08,
81.1,00:22:09,
80.7,00:22:10,
80.4,00:22:11,
80.1,00:22:12,
79.8,00:22:13,
79.6,00:22:14,
79.4,00:22:15,
79.1,00:22:16,
78.9,00:22:17,
78.7,00:22:18,
78.5,00:22:19,
78.3,00:22:20,
78.1,00:22:21,
78.0,00:22:22,
77.9,00:22:23,
77.8,00:22:24,
78.0,00:22:25,
78.3,00:22:26,
78.6,00:22:27,
78.7,00:22:28,
78.8,00:22:29,
78.7,00:22:30,
78.7,00:22:31,
78.6,00:22:32,
78.5,00:22:33,
78.4,00:22:34,
78.3,00:22:35,
78.2,00:22:36,
78.2,00:22:37,
78.1,00:22:38,
78.0,00:22:39,
77.9,00:22:40,
77.8,00:22:41,
77.7,00:22:42,
77.6,00:22:43,
77.6,00:22:44,
77.5,00:22:45,
77.4,00:22:46,

NOCTURNO

Responsable de la Medición: V.V. / L.P.

[illegible]

Date Time=11/11/14 15:40:00
Sampling Time=1
Record Num= 3600
Leq Value=77.3 SEL Value=112.9
MAX Value=100.8
MIN Value=67.6
Freq Weighting=A Time Weighting=Slow
0.0,15:40:00,
75.7,15:40:01,
75.3,15:40:02,
75.0,15:40:03,
74.6,15:40:04,
74.5,15:40:05,
74.4,15:40:06,
74.3,15:40:07,
74.3,15:40:08,
74.6,15:40:09,
75.0,15:40:10,
75.7,15:40:11,
76.0,15:40:12,
76.0,15:40:13,
76.0,15:40:14,
75.9,15:40:15,
75.8,15:40:16,
75.7,15:40:17,
75.7,15:40:18,
76.0,15:40:19,
76.7,15:40:20,
77.3,15:40:21,
77.5,15:40:22,
77.8,15:40:23,
78.1,15:40:24,
78.5,15:40:25,
78.8,15:40:26,
78.8,15:40:27,
78.8,15:40:28,
78.8,15:40:29,
78.8,15:40:30,
78.7,15:40:31,
78.6,15:40:32,
78.5,15:40:33,
78.4,15:40:34,
78.4,15:40:35,
78.4,15:40:36,
78.4,15:40:37,
78.4,15:40:38,
78.3,15:40:39,
78.3,15:40:40,
78.2,15:40:41,
78.1,15:40:42,
78.0,15:40:43,
77.9,15:40:44,
77.9,15:40:45,
77.8,15:40:46,

Fecha: 12-11-14	Responsable de la Medición: DHC/JL
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I. INFORMACIÓN DEL ÁREA

Lugar: <i>Super 99 San Miguelito</i>		Corregimiento / Ciudad: <i>Amelia Denis de Icaza Panamá</i>	
Fuente de Ruido Medida: <i>Receptor</i>		<i>R-2</i>	
Coordenadas del Punto de Medición:		<i>664290 / 998570.</i>	
Colindantes del Punto de Medición:		<i>punto de San Miguelito, Casa de Emporio y Super-9</i>	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 82.8%	Temperatura: 25.2°C	Vel. Viento: 0.0 Km/hr
Lluvia: No	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DEL REPARADOR DEL INSTRUMENTO		Modelo:	Serie #:
Instrumento Extech: <i>Sonacho N°2</i>		<i>407780</i>	<i>Z308659</i>
Fecha de Calibración: <i>Feb. 2015</i>			
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407766</i>	Serie #: <i>Z300079</i>	
Baterías Revisadas Sonómetro (Sí/No): <i>Si</i>	Precalibración: Por:	Postcalibración: Por:	
Baterías Revisadas Calibrador (Sí/No): <i>Si</i>	<i>94.2dB 2HC/JL</i>	<i>93.8dB 2HC/JL</i>	

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/12/14 01:31:00
Sampling Time=1
Record Num= 3601
Leq Value=71.1 SEL Value=106.6
MAX Value=91.6
MIN Value=53.3
Freq Weighting=A Time Weighting=Slow
0.0,01:31:00,
64.6,01:31:01,
65.0,01:31:02,
68.4,01:31:03,
68.2,01:31:04,
69.0,01:31:05,
69.1,01:31:06,
68.8,01:31:07,
68.4,01:31:08,
68.3,01:31:09,
68.3,01:31:10,
68.2,01:31:11,
68.0,01:31:12,
67.9,01:31:13,
67.8,01:31:14,
67.8,01:31:15,
67.7,01:31:16,
67.6,01:31:17,
67.4,01:31:18,
67.2,01:31:19,
67.2,01:31:20,
67.3,01:31:21,
67.5,01:31:22,
67.7,01:31:23,
67.9,01:31:24,
68.1,01:31:25,
68.3,01:31:26,
68.4,01:31:27,
68.3,01:31:28,
68.2,01:31:29,
68.1,01:31:30,
68.0,01:31:31,
67.9,01:31:32,
67.8,01:31:33,
67.7,01:31:34,
68.1,01:31:35,
68.2,01:31:36,
68.2,01:31:37,
68.3,01:31:38,
68.3,01:31:39,
68.2,01:31:40,
68.1,01:31:41,
68.1,01:31:42,
68.2,01:31:43,
68.3,01:31:44,
68.3,01:31:45,
68.5,01:31:46,

Fecha: 11/11/2014	Responsable de la Medición: V.V / KG.
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I. INFORMACIÓN DEL ÁREA

Lugar: R-3 (Cincentenario)	Corregimiento / Ciudad: Mateo Iturralde / Panamá
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Fuente de Ruido Medida: Receptor

Coordenadas del Punto de Medición: 645820 / 0998639

Colindantes del Punto de Medición: *Conexión puentes, municipal, Edif. del Juzgado, Edif. Villa*

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 81.8%	Temperatura: 29.3°C	Vel. Viento: 6.05 Km/hr.
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Lluvia: No.	Observaciones: Nublado.
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III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extch: <i>Soniómetro 2</i>	Modelo:	Serie #:
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Fecha de Calibración: <i>Febrero 2015</i>	<i>407280</i>	<i>2308654</i>
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Calibrador Extech	Junio 2015	Modelo: 407744	Serie #: 2128919
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Baterías Revisadas Sonómetro (S/Nº):	Precalibración:	Por:	Postcalibración:	Por:
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Baterias Revisadas Calibrador (SI/No):	94.5dB	V.V.	93.6	V.V.
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IV. INFORMACIÓN / RESULTADOS

TIEMPO	COMENTARIOS - DETALLES DE ACTIVIDAD
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Hora Inicial:	Hora Final:	Leq:
11:49 am	12:49 pm	71.9 dB.

Ruido de personas conversando

Tránsito constante de vehículos, buses, camiones.

Ruido de la lluvia incisa (12:25).

Date Time=11/11/14 11:49:00
Sampling Time=1
Record Num= 3600
Leq Value=71.9 SEL Value=107.4
MAX Value=87.2
MIN Value=59.1
Freq Weighting=A Time Weighting=Slow
0.0,11:49:00,
65.5,11:49:01,
66.2,11:49:02,
66.5,11:49:03,
66.7,11:49:04,
66.8,11:49:05,
66.7,11:49:06,
66.7,11:49:07,
66.9,11:49:08,
66.9,11:49:09,
66.8,11:49:10,
66.8,11:49:11,
66.9,11:49:12,
66.8,11:49:13,
66.6,11:49:14,
66.5,11:49:15,
66.3,11:49:16,
66.2,11:49:17,
66.0,11:49:18,
65.9,11:49:19,
65.7,11:49:20,
65.6,11:49:21,
65.5,11:49:22,
65.5,11:49:23,
65.4,11:49:24,
65.3,11:49:25,
65.3,11:49:26,
65.2,11:49:27,
65.1,11:49:28,
65.1,11:49:29,
65.0,11:49:30,
64.9,11:49:31,
64.9,11:49:32,
64.8,11:49:33,
64.8,11:49:34,
64.8,11:49:35,
64.7,11:49:36,
64.7,11:49:37,
64.8,11:49:38,
64.9,11:49:39,
64.9,11:49:40,
64.8,11:49:41,
64.8,11:49:42,
64.8,11:49:43,
64.8,11:49:44,
64.8,11:49:45,
64.8,11:49:46,

[illegible]

Date Time=11/11/14 23:13:00
Sampling Time=1
Record Num= 3601
Leq Value=71.6 SEL Value=107.2
MAX Value=99.0
MIN Value=53.8
Freq Weighting=A Time Weighting=Slow
0.0,23:13:00,
75.7,23:13:01,
74.1,23:13:02,
73.1,23:13:03,
72.3,23:13:04,
71.9,23:13:05,
71.7,23:13:06,
71.8,23:13:07,
71.7,23:13:08,
71.5,23:13:09,
71.2,23:13:10,
70.9,23:13:11,
70.6,23:13:12,
70.5,23:13:13,
70.3,23:13:14,
70.1,23:13:15,
70.0,23:13:16,
69.9,23:13:17,
69.7,23:13:18,
69.6,23:13:19,
69.4,23:13:20,
69.2,23:13:21,
69.1,23:13:22,
68.9,23:13:23,
68.8,23:13:24,
68.7,23:13:25,
68.6,23:13:26,
68.5,23:13:27,
68.4,23:13:28,
68.3,23:13:29,
68.2,23:13:30,
68.1,23:13:31,
68.1,23:13:32,
68.0,23:13:33,
68.0,23:13:34,
68.1,23:13:35,
68.1,23:13:36,
68.1,23:13:37,
68.1,23:13:38,
68.0,23:13:39,
68.0,23:13:40,
67.9,23:13:41,
67.8,23:13:42,
67.8,23:13:43,
67.8,23:13:44,
67.7,23:13:45,
67.6,23:13:46,

DIURNO ✓ NOCTURNO

Fecha: 11/11/2014	Responsable de la Medición: V.V / KG
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I. INFORMACIÓN DEL ÁREA

Lugar: <i>San Antonio R-4</i>	Corregimiento / Ciudad: <i>Rufina Alfaro / Panamá.</i>
Fuente de Ruido Medida: <i>Receptor.</i>	
Coordenadas del Punto de Medición: <i>671199 / 1001083</i>	
Colindantes del Punto de Medición: <i>Pte de San Antonio, Residencias, vialidad.</i>	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 96.4%	Temperatura: 28.9°C	Vel.Viento: 3.6 Km/hr.
Lluvia: No.	Observaciones: Soleado.	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: <i>Sonómetro (1)</i>	Modelo: <i>407780</i>	Serie #: <i>H008300</i>
Fecha de Calibración: <i>Julio 2015</i>		
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407744</i>	Serie #: <i>2178918</i>
Baterías Revisadas Sonómetro (S/N):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/N):	<i>93.6 dB V.V.</i>	<i>93.9 dB V.V.</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/11/14 10:20:00
Sampling Time=1
Record Num= 3600
Leq Value=80.5 SEL Value=116.1
MAX Value=97.9
MIN Value=72.1
Freq Weighting=A Time Weighting=Slow
0.0,10:20:00,
78.2,10:20:01,
78.8,10:20:02,
79.1,10:20:03,
79.0,10:20:04,
78.9,10:20:05,
78.8,10:20:06,
78.7,10:20:07,
79.0,10:20:08,
79.3,10:20:09,
79.2,10:20:10,
79.0,10:20:11,
78.8,10:20:12,
78.6,10:20:13,
78.5,10:20:14,
78.4,10:20:15,
78.3,10:20:16,
78.3,10:20:17,
78.8,10:20:18,
79.3,10:20:19,
79.5,10:20:20,
79.5,10:20:21,
79.5,10:20:22,
79.5,10:20:23,
79.5,10:20:24,
79.5,10:20:25,
79.5,10:20:26,
79.4,10:20:27,
79.4,10:20:28,
79.3,10:20:29,
79.2,10:20:30,
79.2,10:20:31,
79.2,10:20:32,
79.4,10:20:33,
79.6,10:20:34,
79.6,10:20:35,
79.6,10:20:36,
79.7,10:20:37,
79.8,10:20:38,
79.9,10:20:39,
79.9,10:20:40,
79.9,10:20:41,
79.9,10:20:42,
79.9,10:20:43,
79.9,10:20:44,
79.9,10:20:45,
79.9,10:20:46,

Fecha: 11/11/14		Responsable de la Medición: DHC/JL	
I. INFORMACIÓN DEL ÁREA			
Lugar: Bda. San Antonio R-4		Corregimiento / Ciudad: Rufina Alfaro / Pannind.	
Fuente de Ruido Medida: Helicopter			
Coordenadas del Punto de Medición: 671197 / 1001083			
Colindantes del Punto de Medición: Av. Domingo Díaz, entrada de Bda San Ant.			
II. INFORMACIÓN AMBIENTAL			
Humedad Relativa: 83.5%		Temperatura: 25.3°C	Vel. Viento: 3.6 Km/hr.
Lluvia: No.		Observaciones:	
III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN			
Instrumento Extech: Sonómetro (2)		Modelo: 407780	Serie #: 2308659
Fecha de Calibración: Febrero 2015			
Calibrador Extech Junio 2015		Modelo: 407766	Serie #: 2300079
Baterías Revisadas Sonómetro (Sí/No):		Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Sí/No):		93.9 dB DHC/JL	93.4 dB. DHC/JL
IV. INFORMACIÓN / RESULTADOS			
TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD	
Hora Inicial: 10:01pm	Hora Final: 11:01pm	Leq: 78.9 dB.	
- Bastante automóviles en Av. Domingo Díaz			
- Noche nublada			
- Se mantiene la cantidad de carros pasando en la vía incluyendo muchos equipos pesados			
- Baja la cantidad de carros, faltando 10 minutos.			

Date Time=11/11/14 22:00:00
Sampling Time=1
Record Num= 3600
Leq Value=78.9 SEL Value=114.5
MAX Value=99.9
MIN Value=65.9
Freq Weighting=A Time Weighting=Slow
0.0,22:00:00,
72.5,22:00:01,
75.0,22:00:02,
75.4,22:00:03,
76.1,22:00:04,
76.7,22:00:05,
77.2,22:00:06,
77.7,22:00:07,
77.8,22:00:08,
77.8,22:00:09,
77.6,22:00:10,
77.6,22:00:11,
77.7,22:00:12,
77.9,22:00:13,
78.3,22:00:14,
78.7,22:00:15,
79.3,22:00:16,
79.9,22:00:17,
80.2,22:00:18,
80.2,22:00:19,
80.2,22:00:20,
80.2,22:00:21,
80.1,22:00:22,
80.0,22:00:23,
80.0,22:00:24,
79.9,22:00:25,
79.8,22:00:26,
79.7,22:00:27,
79.6,22:00:28,
79.5,22:00:29,
79.4,22:00:30,
79.4,22:00:31,
79.4,22:00:32,
79.3,22:00:33,
79.5,22:00:34,
79.8,22:00:35,
80.1,22:00:36,
80.2,22:00:37,
80.3,22:00:38,
80.3,22:00:39,
80.4,22:00:40,
80.9,22:00:41,
81.3,22:00:42,
81.5,22:00:43,
81.5,22:00:44,
81.4,22:00:45,
81.4,22:00:46,

Fecha: 6-NOV-14	Responsable de la Medición: V. V / J. L
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I. INFORMACIÓN DEL ÁREA

Lugar: Don Bosco R-5	Corregimiento / Ciudad: Juan Diaz / Panamá
Fuente de Ruido Medida: Receptor	
Coordenadas del Punto de Medición: 0673469 / 1002140	
Colindantes del Punto de Medición: VIA TOCUMEN, AGENCIAS DOMINGOS A, PLAZA TOCUMEN	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 75.1 %	Temperatura: 32.8 °C	Vel. Viento: 1.1 km/hr
Lluvia: No.	Observaciones: Soleado	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: <u>Sonómetro 2</u>		Modelo:		Serie #:	
Fecha de Calibración: <u>FEBRERO 2015</u>		<u>407780</u>		<u>2308459</u>	
Calibrador Extech <u>Junio 2015</u>		Modelo: <u>407744</u>		Serie #: <u>2178919</u>	
Baterías Revisadas Sonómetro (Si/No): <u>Si</u>		Precalibración: Por:		Postcalibración: Por:	
Baterías Revisadas Calibrador (Si/No): <u>Si</u>		<u>93.5 dB</u> <u>1.1</u>		<u>94.3 dB</u> <u>1.1</u>	

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=14/11/06 15:11:00
Sampling Time=1
Record Num= 3600
Leq Value=76.3 SEL Value=111.9
MAX Value=92.8
MIN Value=67.7
Freq Weighting=A Time Weighting=Slow
0.0,15:11:00,
74.7,15:11:01,
74.0,15:11:02,
73.5,15:11:03,
73.5,15:11:04,
74.0,15:11:05,
74.3,15:11:06,
74.9,15:11:07,
75.5,15:11:08,
75.9,15:11:09,
76.1,15:11:10,
76.5,15:11:11,
76.6,15:11:12,
76.6,15:11:13,
76.6,15:11:14,
76.5,15:11:15,
76.4,15:11:16,
76.3,15:11:17,
76.3,15:11:18,
76.4,15:11:19,
76.4,15:11:20,
76.4,15:11:21,
76.4,15:11:22,
76.4,15:11:23,
76.4,15:11:24,
76.4,15:11:25,
76.5,15:11:26,
76.5,15:11:27,
76.6,15:11:28,
76.6,15:11:29,
76.5,15:11:30,
76.5,15:11:31,
76.5,15:11:32,
76.5,15:11:33,
76.5,15:11:34,
76.6,15:11:35,
76.6,15:11:36,
76.6,15:11:37,
76.6,15:11:38,
76.6,15:11:39,
76.9,15:11:40,
77.0,15:11:41,
77.1,15:11:42,
77.1,15:11:43,
77.2,15:11:44,
77.2,15:11:45,
77.2,15:11:46,

Fecha: 7/11/2014	Responsable de la Medición: J.C / G.L.
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I. INFORMACIÓN DEL ÁREA

Lugar: (R-5) Don Bosco	Corregimiento / Ciudad: Juan Díaz / Panamá
Fuente de Ruido Medida: Receptor	
Coordenadas del Punto de Medición: 6734 69 / 1002140	WGS 84
Colindantes del Punto de Medición: Vialidad, Aeropuerto Commercial Park II	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 94.8 %	Temperatura: 24.6 °C	Vel. Viento: 0.0 km/h
Lluvia: NO	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: <u>Sonómetro #2</u>	Modelo: <u>407780</u>	Serie #: <u>Z308659</u>
Fecha de Calibración: <u>Febrero 2015</u>		
Calibrador Extech <u>Junio 2015</u>	Modelo: <u>407744</u>	Serie #: <u>Z178919</u>
Baterías Revisadas Sonómetro (S/No):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/No):	<u>94.2 dB(A) SC</u>	<u>93.9 dB(A) SC</u>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=14/11/07 01:43:00
Sampling Time=1
Record Num= 3600
Leq Value=69.3 SEL Value=104.8
MAX Value=89.7
MIN Value=49.6
Freq Weighting=A Time Weighting=Slow
0.0,01:43:00,
65.3,01:43:01,
65.8,01:43:02,
67.3,01:43:03,
69.7,01:43:04,
70.6,01:43:05,
70.3,01:43:06,
69.8,01:43:07,
69.4,01:43:08,
69.0,01:43:09,
68.6,01:43:10,
68.3,01:43:11,
67.9,01:43:12,
67.7,01:43:13,
67.4,01:43:14,
67.1,01:43:15,
66.9,01:43:16,
66.6,01:43:17,
66.4,01:43:18,
66.2,01:43:19,
66.0,01:43:20,
65.9,01:43:21,
65.9,01:43:22,
66.2,01:43:23,
66.9,01:43:24,
67.4,01:43:25,
67.5,01:43:26,
67.5,01:43:27,
67.6,01:43:28,
67.6,01:43:29,
67.6,01:43:30,
68.2,01:43:31,
69.2,01:43:32,
70.4,01:43:33,
72.0,01:43:34,
72.5,01:43:35,
72.6,01:43:36,
72.6,01:43:37,
72.7,01:43:38,
72.8,01:43:39,
72.8,01:43:40,
72.8,01:43:41,
72.7,01:43:42,
72.6,01:43:43,
72.5,01:43:44,
72.5,01:43:45,
72.4,01:43:46,

Fecha: 6/11/2014.	Responsable de la Medición: V. V / J. C.
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I. INFORMACIÓN DEL ÁREA

Lugar: Hosp. 24 de dic. R-6		Corregimiento / Ciudad: 24 de diciembre / Panama
Fuente de Ruido Medida: Receptor		
Coordenadas del Punto de Medición: 676504 / 1005654		
Colindantes del Punto de Medición: VIA INTERAMERICANA PUNTE PEATONAL HOSPITAL		

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 98.7%	Temperatura: 28.7°C	Vel. Viento: 1.4 Km/hr.
Lluvia: 5.	Observaciones: Llovizna.	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE REFERENCIA DEL INSTRUMENTO		
Instrumento Extech: <i>Sonómetro No. 2</i>	Modelo:	Serie #:
Fecha de Calibración: <i>Febrero 2015</i>	<i>407780</i>	<i>2309659</i>
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407744</i>	Serie #: <i>2178919</i>
Baterías Revisadas Sonómetro (Si/No): <i>Si</i>	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): <i>Si</i>	<i>94.2 dB</i> <i>v.v</i>	<i>93.9 dB</i> <i>v.v</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=14/11/06 11:07:00
Sampling Time=1
Record Num= 3600
Leq Value=76.3 SEL Value=111.9
MAX Value=91.8
MIN Value=56.5
Freq Weighting=A Time Weighting=Slow
0.0,11:07:00,
79.1,11:07:01,
78.4,11:07:02,
77.6,11:07:03,
77.1,11:07:04,
77.3,11:07:05,
77.5,11:07:06,
77.4,11:07:07,
77.1,11:07:08,
77.0,11:07:09,
77.0,11:07:10,
76.9,11:07:11,
76.7,11:07:12,
76.6,11:07:13,
76.7,11:07:14,
76.7,11:07:15,
76.6,11:07:16,
76.6,11:07:17,
76.6,11:07:18,
76.7,11:07:19,
76.7,11:07:20,
76.7,11:07:21,
76.6,11:07:22,
76.5,11:07:23,
76.5,11:07:24,
76.5,11:07:25,
76.6,11:07:26,
76.7,11:07:27,
76.6,11:07:28,
76.6,11:07:29,
76.6,11:07:30,
76.6,11:07:31,
76.5,11:07:32,
76.5,11:07:33,
76.4,11:07:34,
76.3,11:07:35,
76.3,11:07:36,
76.3,11:07:37,
76.3,11:07:38,
76.2,11:07:39,
76.2,11:07:40,
76.2,11:07:41,
76.2,11:07:42,
76.1,11:07:43,
76.1,11:07:44,
76.1,11:07:45,
76.1,11:07:46,

DIURNO NOCTURNO X'

[illegible]

Date Time=14/11/06 21:59:00
Sampling Time=1
Record Num= 3600
Leq Value=74.4 SEL Value=110.0
MAX Value=88.8
MIN Value=53.1
Freq Weighting=A Time Weighting=Slow
0.0,21:59:00,
75.1,21:59:01,
76.0,21:59:02,
76.8,21:59:03,
77.3,21:59:04,
77.6,21:59:05,
77.5,21:59:06,
77.3,21:59:07,
77.0,21:59:08,
76.6,21:59:09,
76.3,21:59:10,
76.1,21:59:11,
75.9,21:59:12,
75.7,21:59:13,
75.5,21:59:14,
75.2,21:59:15,
74.9,21:59:16,
74.7,21:59:17,
74.4,21:59:18,
74.3,21:59:19,
74.2,21:59:20,
74.2,21:59:21,
74.7,21:59:22,
75.5,21:59:23,
75.6,21:59:24,
75.5,21:59:25,
75.3,21:59:26,
75.2,21:59:27,
75.0,21:59:28,
74.9,21:59:29,
74.8,21:59:30,
74.7,21:59:31,
74.7,21:59:32,
74.8,21:59:33,
74.8,21:59:34,
74.8,21:59:35,
74.7,21:59:36,
74.7,21:59:37,
74.7,21:59:38,
74.8,21:59:39,
75.0,21:59:40,
75.0,21:59:41,
75.1,21:59:42,
75.2,21:59:43,
75.4,21:59:44,
75.5,21:59:45,
75.6,21:59:46,

Fecha: 6-NOV-2014	Responsable de la Medición: V.V/J.L
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I. INFORMACIÓN DEL ÁREA

II. INFORMACIÓN DEL ÁREA		
Lugar: LA DOÑA	R-7	Corregimiento / Ciudad: 24 de diciembre / Panamá
Fuente de Ruido Medida: Receptor.		
Coordenadas del Punto de Medición: 0679069 / 1006677		
Colindantes del Punto de Medición: Vía Interamericana, Clínica Centro Médico El Sol, Mc Donalds		

II. INFORMACIÓN AMBIENTAL

II. INFORMACION AMBIENTAL		
Humedad Relativa: 80.6%	Temperatura: 31.7°C	Vel.Viento: 1.9 Km/hr.
Lluvia: NO	Observaciones: LLOVIZNA	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN		Modelo:	Serie #:
Instrumento Extech: 50 noniaw No. 2			
Fecha de Calibración: Febrero 2015		4077 80	2308659
Calibrador Extech Junio 2015	Modelo:	4077 44	Serie #: 2178919
Baterías Revisadas Sonómetro (Si/No): Si	Precalibración:	Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): Si	93.9 dB	1.L	93.6 dB 1L

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=14/11/06 12:28:00
Sampling Time=1
Record Num= 3601
Leq Value=75.7 SEL Value=111.3
MAX Value=102.1
MIN Value=61.3
Freq Weighting=A Time Weighting=Slow
0.0,12:28:00,
83.4,12:28:01,
84.0,12:28:02,
84.5,12:28:03,
84.5,12:28:04,
84.1,12:28:05,
83.6,12:28:06,
83.1,12:28:07,
82.6,12:28:08,
82.2,12:28:09,
81.8,12:28:10,
81.4,12:28:11,
81.1,12:28:12,
80.8,12:28:13,
80.5,12:28:14,
80.3,12:28:15,
80.1,12:28:16,
79.9,12:28:17,
79.7,12:28:18,
79.5,12:28:19,
79.4,12:28:20,
79.2,12:28:21,
79.0,12:28:22,
78.9,12:28:23,
78.8,12:28:24,
78.7,12:28:25,
78.6,12:28:26,
78.5,12:28:27,
78.4,12:28:28,
78.3,12:28:29,
78.2,12:28:30,
78.2,12:28:31,
78.2,12:28:32,
78.5,12:28:33,
78.8,12:28:34,
78.8,12:28:35,
78.8,12:28:36,
78.7,12:28:37,
78.6,12:28:38,
78.6,12:28:39,
78.5,12:28:40,
78.4,12:28:41,
78.3,12:28:42,
78.2,12:28:43,
78.2,12:28:44,
78.1,12:28:45,
78.0,12:28:46,

Fecha: 6/11/2014	Responsable de la Medición: J.C / G.L.
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I. INFORMACIÓN DEL ÁREA

Lugar:	R7 (La Doña)	Corregimiento / Ciudad:	24 de diciembre / Panamá.
Fuente de Ruido Medida:	Receptor.		
Coordenadas del Punto de Medición:	679069 / 1006677		UGS 04
Colindantes del Punto de Medición:	Vialidad, Centro Médico El Sol, McDonald's		

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 90.4%	Temperatura: 24.9°C	Vel. Viento: 1.7 Km/h
Lluvia: NO	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE REPARACIÓN DEL INSTRUMENTO DE MEDICIÓN		Modelo:	Serie #:
Instrumento Extech: <u>Sonómetro #2</u>	407780	2308659	
Fecha de Calibración: <u>Febrero 2015</u>			
Calibrador Extech <u>Junio 2015</u>	Modelo: <u>407744</u>	Serie #: <u>2178919</u>	
Baterías Revisadas Sonómetro (S/I/No): <u>✓</u>	Precalibración: <u>94.2 dos(A) 5c</u>	Postcalibración: <u>94.0 dos(A) 5c</u>	
Baterías Revisadas Calibrador (S/I/No): <u>✓</u>	Por:	Por:	

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=14/11/06 23:11:00
Sampling Time=1
Record Num= 3600
Leq Value=72.9 SEL Value=108.5
MAX Value=97.6
MIN Value=53.5
Freq Weighting=A Time Weighting=Slow
0.0,23:11:00,
65.7,23:11:01,
67.6,23:11:02,
70.1,23:11:03,
71.8,23:11:04,
72.2,23:11:05,
72.6,23:11:06,
72.8,23:11:07,
72.7,23:11:08,
72.8,23:11:09,
73.0,23:11:10,
73.1,23:11:11,
74.1,23:11:12,
76.0,23:11:13,
77.4,23:11:14,
78.6,23:11:15,
79.7,23:11:16,
80.0,23:11:17,
80.2,23:11:18,
80.7,23:11:19,
81.8,23:11:20,
85.5,23:11:21,
86.1,23:11:22,
86.1,23:11:23,
86.2,23:11:24,
86.0,23:11:25,
85.9,23:11:26,
85.7,23:11:27,
85.6,23:11:28,
85.4,23:11:29,
85.3,23:11:30,
85.1,23:11:31,
85.0,23:11:32,
84.9,23:11:33,
84.8,23:11:34,
84.7,23:11:35,
84.6,23:11:36,
84.5,23:11:37,
84.4,23:11:38,
84.3,23:11:39,
84.2,23:11:40,
84.1,23:11:41,
84.0,23:11:42,
83.9,23:11:43,
83.8,23:11:44,
83.7,23:11:45,
83.6,23:11:46,

Fecha: 6/11/2014	Responsable de la Medición: V.V./JL.	R-8
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I. INFORMACIÓN DEL ÁREA

Lugar: Nro. Tocomán (R-8) Corregimiento / Ciudad: 24 de diciembre / Penonomé.

Fuente de Ruido Medida: Receptor.

Coordenadas del Punto de Medición: 681844 / 1006191

Colindantes del Punto de Medición: Resistencia, escuela, Vialidad.

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 95.1 %	Temperatura: 26.7 °C	Vel.Viento: 0.0 Km/hr.
Lluvia: Si	Observaciones: Ligera lluvia.	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: <i>Sonómetro (2)</i>		Modelo: <i>407780</i>	Serie #: <i>2308659</i>
Fecha de Calibración: <i>Febrero 2015</i>			
Calibrador Extech <i>Junio 2015</i>		Modelo: <i>407744</i>	Serie #: <i>2178919</i>
Baterías Revisadas Sonómetro (S/N):	Precalibración:	Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/N):	<i>94.1 dB</i>	<i>v.v</i>	<i>93.8 dB v.v</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=14/11/06 09:32:00
Sampling Time=1
Record Num= 3601
Leq Value=59.9 SEL Value=95.5
MAX Value=76.8
MIN Value=42.8
Freq Weighting=A Time Weighting=Slow
0.0,09:32:00,
52.2,09:32:01,
52.5,09:32:02,
52.5,09:32:03,
52.7,09:32:04,
55.0,09:32:05,
56.4,09:32:06,
57.1,09:32:07,
57.4,09:32:08,
57.3,09:32:09,
57.0,09:32:10,
56.8,09:32:11,
56.6,09:32:12,
56.4,09:32:13,
56.2,09:32:14,
56.1,09:32:15,
56.0,09:32:16,
56.0,09:32:17,
55.9,09:32:18,
55.8,09:32:19,
55.7,09:32:20,
55.7,09:32:21,
55.6,09:32:22,
55.5,09:32:23,
55.4,09:32:24,
55.4,09:32:25,
55.3,09:32:26,
55.2,09:32:27,
55.2,09:32:28,
55.1,09:32:29,
55.1,09:32:30,
55.2,09:32:31,
55.3,09:32:32,
55.3,09:32:33,
55.2,09:32:34,
55.2,09:32:35,
55.1,09:32:36,
55.1,09:32:37,
55.0,09:32:38,
54.9,09:32:39,
54.9,09:32:40,
54.8,09:32:41,
54.8,09:32:42,
54.7,09:32:43,
54.7,09:32:44,
54.6,09:32:45,
54.6,09:32:46,

Luchidos de perros
Se percibe el paso de automóviles en la vía principal.
Sobrevuelo de avión

Date Time=14/11/07 00:22:00
Sampling Time=1
Record Num= 3601
Leq Value=49.0 SEL Value=84.6
MAX Value=79.6
MIN Value=40.4
Freq Weighting=A Time Weighting=Slow
0.0,00:22:00,
46.4,00:22:01,
45.9,00:22:02,
45.5,00:22:03,
45.4,00:22:04,
46.2,00:22:05,
47.7,00:22:06,
48.4,00:22:07,
48.8,00:22:08,
48.9,00:22:09,
48.7,00:22:10,
48.5,00:22:11,
48.3,00:22:12,
48.1,00:22:13,
48.0,00:22:14,
48.0,00:22:15,
48.0,00:22:16,
48.0,00:22:17,
47.9,00:22:18,
47.9,00:22:19,
48.1,00:22:20,
48.1,00:22:21,
48.1,00:22:22,
48.0,00:22:23,
48.0,00:22:24,
48.0,00:22:25,
47.9,00:22:26,
47.9,00:22:27,
47.9,00:22:28,
47.9,00:22:29,
47.9,00:22:30,
47.8,00:22:31,
47.8,00:22:32,
47.9,00:22:33,
47.9,00:22:34,
47.9,00:22:35,
47.9,00:22:36,
47.8,00:22:37,
47.8,00:22:38,
47.8,00:22:39,
47.7,00:22:40,
47.6,00:22:41,
47.6,00:22:42,
47.7,00:22:43,
47.6,00:22:44,
47.6,00:22:45,
47.6,00:22:46,

FORMULARIOS DE CAMPO
FIN DE SEMANA

URS Holdings, Inc.

FORMULARIO PARA MEDICIÓN DE RUIDO AMBIENTAL
DIURNO ☒ NOCTURNO ☐

Fecha: 22/11/2014		Responsable de la Medición: U.V / LM	
I. INFORMACIÓN DEL ÁREA			
Lugar: R-1. Hosp. San Miguel.		Corregimiento / Ciudad: Amelia Jemis de Icaza / Panama	
Fuente de Ruido Medida: Receptor.			
Coordenadas del Punto de Medición: 663978 / 998658			
Colindantes del Punto de Medición: Hospital San Miguel Arcaño, Machetazo San Miguelito, Pte. vialidad Metro			
II. INFORMACIÓN AMBIENTAL			
Humedad Relativa: 85.8 %		Temperatura: 29.5 °C.	Vel. Viento: 0.0 Km/hr.
Lluvia: No		Observaciones:	
III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN			
Instrumento Extch: Sonómetro (2)		Modelo: 407780	Serie #: Z308659
Fecha de Calibración: Febrero 2015			
Calibrador Extch: Junio 2015		Modelo: 407744	Serie #: Z178919
Baterías Revisadas Sonómetro (S/No):		Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/No):		94.3 dB U.V	93.7 dB U.V
IV. INFORMACIÓN / RESULTADOS			
TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD	
Hora Inicial:	Hora Final:	Leq:	
1:20 PM	2:20 PM	76.8 dB	
- Ruido de las bocinas de los buses.			
- Tránsito constante de vehículos.			
- Voces de personas.			
- Bocina de un camión volquete.			
- Sonido de dos sirenas de una ambulancia.			
- Perros ladrando.			
- Sonido de música.			
- Llovendo (1:50).			
- Retorno (Pasaron 39:20) el equipo x lluvia.			
- Inicio el equipo. (2:07)			
- Bocina de un trailer.			

Date Time=11/22/14 13:18:00
Sampling Time=1
Record Num= 3603
Leq Value=76.8 SEL Value=112.4
MAX Value=99.3
MIN Value=67.3
Freq Weighting=A Time Weighting=Slow
0.0,13:18:00,
71.9,13:18:01,
71.6,13:18:02,
71.6,13:18:03,
71.6,13:18:04,
72.0,13:18:05,
72.6,13:18:06,
73.2,13:18:07,
73.5,13:18:08,
73.6,13:18:09,
73.7,13:18:10,
73.7,13:18:11,
73.7,13:18:12,
73.7,13:18:13,
73.6,13:18:14,
73.5,13:18:15,
73.6,13:18:16,
73.6,13:18:17,
73.5,13:18:18,
73.4,13:18:19,
73.3,13:18:20,
73.3,13:18:21,
73.2,13:18:22,
73.2,13:18:23,
73.1,13:18:24,
73.1,13:18:25,
73.1,13:18:26,
73.0,13:18:27,
73.1,13:18:28,
73.1,13:18:29,
73.1,13:18:30,
73.1,13:18:31,
73.2,13:18:32,
73.2,13:18:33,
73.3,13:18:34,
73.3,13:18:35,
73.3,13:18:36,
73.3,13:18:37,
73.3,13:18:38,
73.3,13:18:39,
73.3,13:18:40,
73.2,13:18:41,
73.2,13:18:42,
73.2,13:18:43,
73.2,13:18:44,
73.1,13:18:45,
73.1,13:18:46,

DIURNO NOCTURNO L

Fecha: 16/11/11	Responsable de la Medición: DHC/TL
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1. INFORMACIÓN DEL AREA

Lugar: <i>Hospital San Miguel</i>	Corregimiento / Ciudad: <i>Amelia Denis de Icaza Panamá</i>
Fuente de Ruido Medida: <i>Receptor</i>	<i>R-1</i>
Coordenadas del Punto de Medición: <i>663978 / 998658</i>	
Colindantes del Punto de Medición: <i>Parada de Hospital, Puente de San Miguel</i>	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 91.8 %	Temperatura: 25.1 °C	Vel. Viento: 0.0 Km/h
Lluvia: No	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: <i>Sonómetro. (2)</i>	Modelo:	Serie #:
Fecha de Calibración: <i>Febrero 2015</i>	<i>407780</i>	<i>2308659</i>
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407766</i>	Serie #: <i>2300079</i>
Baterías Revisadas Sonómetro (Si/No):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No):	<i>94.1 dB DHC/JL</i>	<i>94.1 dB DHC/JL</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/16/14 00:24:00
Sampling Time=1
Record Num= 3600
Leq Value=74.8 SEL Value=110.4
MAX Value=88.1
MIN Value=59.8
Freq Weighting=A Time Weighting=Slow
0.0,00:24:00,
75.3,00:24:01,
74.2,00:24:02,
73.6,00:24:03,
73.5,00:24:04,
73.8,00:24:05,
73.8,00:24:06,
73.8,00:24:07,
73.7,00:24:08,
73.6,00:24:09,
73.7,00:24:10,
73.8,00:24:11,
73.7,00:24:12,
73.8,00:24:13,
74.3,00:24:14,
74.5,00:24:15,
74.5,00:24:16,
74.4,00:24:17,
74.3,00:24:18,
74.1,00:24:19,
73.9,00:24:20,
73.9,00:24:21,
73.8,00:24:22,
73.8,00:24:23,
73.9,00:24:24,
73.9,00:24:25,
73.9,00:24:26,
74.1,00:24:27,
74.3,00:24:28,
74.5,00:24:29,
74.6,00:24:30,
74.6,00:24:31,
74.5,00:24:32,
74.4,00:24:33,
74.3,00:24:34,
74.2,00:24:35,
74.2,00:24:36,
74.1,00:24:37,
74.2,00:24:38,
74.3,00:24:39,
74.4,00:24:40,
74.4,00:24:41,
74.4,00:24:42,
74.4,00:24:43,
74.3,00:24:44,
74.3,00:24:45,
74.2,00:24:46,

Date Time=11/22/14 08:44:00
Sampling Time=1
Record Num= 3600
Leq Value=78.7 SEL Value=114.3
MAX Value=96.8
MIN Value=67.4
Freq Weighting=A Time Weighting=Slow
0.0,08:44:00,
73.9,08:44:01,
73.1,08:44:02,
72.8,08:44:03,
72.8,08:44:04,
72.8,08:44:05,
73.0,08:44:06,
73.2,08:44:07,
74.3,08:44:08,
74.6,08:44:09,
74.8,08:44:10,
74.9,08:44:11,
75.1,08:44:12,
75.3,08:44:13,
75.5,08:44:14,
75.7,08:44:15,
75.6,08:44:16,
75.6,08:44:17,
75.5,08:44:18,
75.5,08:44:19,
75.4,08:44:20,
75.3,08:44:21,
75.3,08:44:22,
75.2,08:44:23,
75.1,08:44:24,
75.0,08:44:25,
74.9,08:44:26,
75.0,08:44:27,
75.0,08:44:28,
75.0,08:44:29,
75.0,08:44:30,
75.0,08:44:31,
74.9,08:44:32,
74.9,08:44:33,
74.8,08:44:34,
74.8,08:44:35,
74.8,08:44:36,
74.7,08:44:37,
74.7,08:44:38,
74.7,08:44:39,
74.7,08:44:40,
74.7,08:44:41,
74.7,08:44:42,
74.6,08:44:43,
74.6,08:44:44,
74.6,08:44:45,
74.5,08:44:46,

Fecha: 16 - NOV - 2014	Responsable de la Medición: J.L / D.H
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I. INFORMACIÓN DEL AREA

Lugar: 995AU MIGUELITO R-2	Corregimiento / Ciudad: Amelia Henríquez de Icaza, Panamá
Fuente de Ruido Medida: RECEPTOR	
Coordenadas del Punto de Medición: 664290 / 998570.	
Colindantes del Punto de Medición: Casa de Empeno, Pte. de San Blas, Lito, Estación del Metro	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 87.0 %	Temperatura: 25.5 °C	Vel. Viento: 0.0 Km
Lluvia: NO	Observaciones: DESPEJADO	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN		Modelo:	Serie #:
Instrumento Extech: Sonómetro No. 2			
Fecha de Calibración: FEB 2015		407780	2308659
Calibrador Extech JULIO 2015	Modelo:	407766	Serie #: 2300079
Baterías Revisadas Sonómetro (Si/No): Si	Precalibración:	Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): Si	94.1 dB	OH/J.L	94.4 dB OH/J.L

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/14/15 14:27:00
Sampling Time=1
Record Num= 3601
Leq Value=73.9 SEL Value=109.5
MAX Value=88.5
MIN Value=61.8
Freq Weighting=A Time Weighting=Slow
0.0,14:27:00,
72.0,14:27:01,
72.8,14:27:02,
72.7,14:27:03,
72.7,14:27:04,
72.6,14:27:05,
72.7,14:27:06,
72.6,14:27:07,
72.6,14:27:08,
72.9,14:27:09,
72.9,14:27:10,
72.8,14:27:11,
72.7,14:27:12,
72.6,14:27:13,
72.5,14:27:14,
72.4,14:27:15,
72.3,14:27:16,
72.1,14:27:17,
72.1,14:27:18,
72.1,14:27:19,
72.1,14:27:20,
72.1,14:27:21,
72.3,14:27:22,
72.8,14:27:23,
73.1,14:27:24,
73.1,14:27:25,
73.1,14:27:26,
73.0,14:27:27,
72.9,14:27:28,
72.8,14:27:29,
72.7,14:27:30,
72.6,14:27:31,
72.5,14:27:32,
72.4,14:27:33,
72.3,14:27:34,
72.3,14:27:35,
72.3,14:27:36,
72.3,14:27:37,
72.3,14:27:38,
72.2,14:27:39,
72.3,14:27:40,
72.4,14:27:41,
72.4,14:27:42,
72.3,14:27:43,
72.3,14:27:44,
72.3,14:27:45,
72.2,14:27:46,

Date Time=11/22/14 12:02:00
Sampling Time=1
Record Num= 3600
Leq Value=72.1 SEL Value=107.6
MAX Value=89.4
MIN Value=60.0
Freq Weighting=A Time Weighting=Slow
0.0,12:02:00,
68.9,12:02:01,
68.8,12:02:02,
68.3,12:02:03,
69.6,12:02:04,
71.1,12:02:05,
71.2,12:02:06,
70.8,12:02:07,
70.4,12:02:08,
70.1,12:02:09,
69.7,12:02:10,
69.5,12:02:11,
69.2,12:02:12,
69.0,12:02:13,
68.7,12:02:14,
68.6,12:02:15,
68.7,12:02:16,
68.8,12:02:17,
69.4,12:02:18,
69.5,12:02:19,
69.4,12:02:20,
69.4,12:02:21,
69.6,12:02:22,
69.7,12:02:23,
69.6,12:02:24,
69.6,12:02:25,
69.6,12:02:26,
69.6,12:02:27,
69.5,12:02:28,
69.4,12:02:29,
69.3,12:02:30,
69.2,12:02:31,
69.5,12:02:32,
69.5,12:02:33,
69.4,12:02:34,
69.3,12:02:35,
69.3,12:02:36,
69.2,12:02:37,
69.1,12:02:38,
69.1,12:02:39,
69.0,12:02:40,
69.0,12:02:41,
69.0,12:02:42,
69.0,12:02:43,
68.9,12:02:44,
68.9,12:02:45,
68.8,12:02:46,

Fecha: 15-NOV-2014	Responsable de la Medición: J.Y.D.H
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Lugar: CINCUENTE VARIO (R-3)	Corregimiento / Ciudad: Mateo Iturrubide / Pannand.
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Fuente de Ruido Medida: RECEPTOR

Coordenadas del Punto de Medición: 665820 / 0988639

Colindantes del Punto de Medición: Comercios pequeños, variedad, Edif. del Tuzgado, Edif. Villab

Humedad Relativa: 86.0 %	Temperatura: 25.2 °C	Vel. Viento: 0.0 Km/hr
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Lluvia: NO	Observaciones: DESPEJADO
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Instrumento Extch: SONOMETRON 2	Modelo:	Serie #:
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Fecha de Calibración: FEBRERO 2015	407780	2308659
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Calibrador Extch	JULIO 2015	Modelo: 4077 66	Serie #: 2300079
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Baterías Revisadas Sonómetro (Si/No): Si	Precalibración:	Por:	Postcalibración:	Por:
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Baterias Revisadas Calibrador (Si/No):	Si	94.5 dB	D.H/J.L	93.9 dB	DH/J.L
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TIEMPO	COMENTARIOS - DETALLES DE ACTIVIDAD
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Hora Inicial:	Hora Final:	Leq:
11:13a.m	12:13a.m	70.2 dB(A)

- PERSONAS EN PARADA DE BUS CERCAÑA AL SITIO DE MONITOREO, PASO DE VEHÍCULOS EN LA VÍA FRENTE AL SITIO DE MEDICIÓN, PASO DE CHIVAS PARANDERAS, BOVINAS DE VEHÍCULOS, MÚSICA EN ALTO PARLANTE DE VEHÍCULOS, CIERRE DE LOCALES AL OTRO EXTREMO DE LA VÍA.

Date Time=11/15/14 23:13:00
Sampling Time=1
Record Num= 3600
Leq Value=70.2 SEL Value=105.8
MAX Value=88.8
MIN Value=59.2
Freq Weighting=A Time Weighting=Slow
0.0,23:13:00,
70.9,23:13:01,
69.1,23:13:02,
67.9,23:13:03,
67.5,23:13:04,
67.0,23:13:05,
66.5,23:13:06,
66.1,23:13:07,
66.2,23:13:08,
66.4,23:13:09,
66.6,23:13:10,
66.7,23:13:11,
66.7,23:13:12,
66.7,23:13:13,
66.7,23:13:14,
66.6,23:13:15,
66.6,23:13:16,
66.5,23:13:17,
66.4,23:13:18,
66.3,23:13:19,
66.3,23:13:20,
66.2,23:13:21,
66.1,23:13:22,
66.1,23:13:23,
66.1,23:13:24,
66.0,23:13:25,
66.0,23:13:26,
66.0,23:13:27,
65.9,23:13:28,
65.9,23:13:29,
66.0,23:13:30,
66.0,23:13:31,
66.2,23:13:32,
66.4,23:13:33,
66.5,23:13:34,
66.6,23:13:35,
66.7,23:13:36,
67.5,23:13:37,
67.8,23:13:38,
67.8,23:13:39,
68.0,23:13:40,
68.0,23:13:41,
68.0,23:13:42,
68.1,23:13:43,
68.3,23:13:44,
68.4,23:13:45,
68.4,23:13:46,

Fecha: 22 Noviembre 2014	Responsable de la Medición: LM / U.V
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I. INFORMACIÓN DEL ÁREA

Lugar: (R-4) San Antonio		Corregimiento / Ciudad: Rufina Alvaro / Panamá.
Fuente de Ruido Medida: Receptor		
Coordenadas del Punto de Medición: 671197 / 1001083		
Colindantes del Punto de Medición: Pto de San Antonio, residencias, urbanidad.		

II. INFORMACIÓN AMBIENTAL

Humedad Relativa:	76.5 %	Temperatura:	29.9 °C	Vel. Viento:	2.0 m/h
Lluvia:	No	Observaciones:	Nublado		

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN		
Instrumento Extch: <i>Sonómetro No 2</i>	Modelo:	Serie #:
Fecha de Calibración: <i>Febrero 2015</i>	<i>407780</i>	<i>Z 308659</i>
Calibrador Extch <i>Junio 2015</i>	Modelo: <i>407744</i>	Serie #: <i>Z 178919</i>
Baterías Revisadas Sonómetro (S/No):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/No):	<i>93.9 dB(A) LM</i>	<i>94.2 dB(A)</i>

IV. INFORMACIÓN / RESULTADOS

IV. INFORMACION / RESULTADOS		COMENTARIOS - DETALLES DE ACTIVIDAD
TIEMPO		
Hora Inicial:	Hora Final:	Leq:
10:34 am	11:34 am	79.9 dB(A)
Ruido generado por: paso constante de vehículos de diferentes dimensiones por una vía (camión, bus, camioneta y vehículos sedan, motores de autos, freno de vehículo pickup justo frente al equipo de medición vehículo con música alta al pasar por el sitio de medición)		

Date Time=11/14/22 10:32:00
Sampling Time=1
Record Num= 3600
Leq Value=79.9 SEL Value=115.5
MAX Value=105.5
MIN Value=70.0
Freq Weighting=A Time Weighting=Slow
0.0,10:32:00,
76.9,10:32:01,
78.0,10:32:02,
78.7,10:32:03,
79.6,10:32:04,
81.1,10:32:05,
81.6,10:32:06,
81.4,10:32:07,
81.1,10:32:08,
80.8,10:32:09,
80.4,10:32:10,
80.1,10:32:11,
80.0,10:32:12,
79.9,10:32:13,
79.7,10:32:14,
79.6,10:32:15,
79.4,10:32:16,
79.2,10:32:17,
79.1,10:32:18,
79.0,10:32:19,
78.9,10:32:20,
78.8,10:32:21,
78.8,10:32:22,
78.8,10:32:23,
78.7,10:32:24,
78.6,10:32:25,
78.6,10:32:26,
78.7,10:32:27,
78.6,10:32:28,
78.6,10:32:29,
78.7,10:32:30,
78.9,10:32:31,
78.9,10:32:32,
78.9,10:32:33,
78.9,10:32:34,
78.9,10:32:35,
79.0,10:32:36,
79.0,10:32:37,
79.0,10:32:38,
78.9,10:32:39,
78.9,10:32:40,
78.8,10:32:41,
78.7,10:32:42,
78.6,10:32:43,
78.6,10:32:44,
78.5,10:32:45,
78.4,10:32:46,

Fecha: 15-11-14	Responsable de la Medición: DHC/JL
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I. INFORMACIÓN DEL ÁREA

Lugar: Bda. San Antonio Rey	Corregimiento / Ciudad: Rufina Alfaro / Panamá.
Fuente de Ruido Medida: Recceptor	
Coordenadas del Punto de Medición: 671197 / 1001083	
Colindantes del Punto de Medición: Av. Domingo Díaz, Bda. San Antonio	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 82.1 82.1	Temperatura: 26.3 °C	Vel. Viento: 0.0 Km/hr.
Lluvia: No	Observaciones: DESPEJADO	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: SONÓMETRO No. 2	Modelo:	Serie #:
Fecha de Calibración: FEBRERO 2015	407780	2308659
Calibrador Extech JULIO 2015	Modelo: 407766	Serie #: 2300079
Baterías Revisadas Sonómetro (Si/No): Si	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): Si	43.9dB DHCIJL	94.4dB DHCIJL

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/15/14 22:00:00
Sampling Time=1
Record Num= 3600
Leq Value=79.5 SEL Value=115.1
MAX Value=103.9
MIN Value=66.6
Freq Weighting=A Time Weighting=Slow
0.0,22:00:00,
82.7,22:00:01,
81.4,22:00:02,
81.1,22:00:03,
80.7,22:00:04,
80.2,22:00:05,
79.8,22:00:06,
80.0,22:00:07,
80.9,22:00:08,
80.9,22:00:09,
80.9,22:00:10,
81.5,22:00:11,
81.7,22:00:12,
82.0,22:00:13,
82.1,22:00:14,
82.1,22:00:15,
81.9,22:00:16,
81.8,22:00:17,
81.8,22:00:18,
81.7,22:00:19,
81.6,22:00:20,
81.5,22:00:21,
81.4,22:00:22,
81.2,22:00:23,
81.1,22:00:24,
81.0,22:00:25,
80.9,22:00:26,
80.8,22:00:27,
80.7,22:00:28,
80.7,22:00:29,
80.6,22:00:30,
80.6,22:00:31,
80.6,22:00:32,
80.5,22:00:33,
80.4,22:00:34,
80.3,22:00:35,
80.2,22:00:36,
80.1,22:00:37,
80.0,22:00:38,
79.9,22:00:39,
79.9,22:00:40,
79.8,22:00:41,
79.7,22:00:42,
79.7,22:00:43,
79.8,22:00:44,
79.8,22:00:45,
79.8,22:00:46,

URS Holdings, Inc.

FORMULARIO PARA MEDICIÓN DE RUIDO AMBIENTAL

DIURNO ☒ NOCTURNO ☐

Fecha: 15 Noviembre 2014	Responsable de la Medición: LM/VV
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I. INFORMACIÓN DEL ÁREA

Lugar: B-5 Don Bosco	Corregimiento / Ciudad: Juan Díaz / Panamá
Fuente de Ruido Medida: Receptor.	
Coordenadas del Punto de Medición: 0673469 / 1002140	
Colindantes del Punto de Medición: Vialidad, Aeropuerto Commercial Park II, Plaza Tocumen	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 62.0 %	Temperatura: 33.1 °C	Vel. Viento: 1.5 km/h
Lluvia: ligera lluviosa	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: Sonómetro No. 2	Modelo:	Serie #:
Fecha de Calibración: Febrero 2015	407780	Z 30 8659
Calibrador Extech: Junio 2015	Modelo: 407744	Serie #: Z178919
Baterías Revisadas Sonómetro (Si/No):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No):	93.7 dB(A) LM	94.3 dB LM.

IV. INFORMACIÓN / RESULTADOS

TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD
Hora Inicial:	Hora Final:	Leq:
03:03 pm	04:03 pm	75.8 dB
Ruido generado por: constante. paso de vehículos en la vía hacia Tocumen, Buzos de vehículos, frenos de buses, pasos de peatones hablando cerca del sitio de medición, motor de camiones, música alta en giro cercano al sitio de medición específicamente en local de venta de repuestos para autos, motocicleta pasando por vía principal, personas hablando en voz alta al pasar camión por el sitio de medición, truenos de gran.		
* El equipo se puso en pausa desde las 03:07 hasta las 03:30 debido a una llamada fuerte registrada en el sitio.		

Date Time=11/15/14 15:03:00
Sampling Time=1
Record Num= 3601
Leq Value=75.8 SEL Value=111.3
MAX Value=88.6
MIN Value=67.3
Freq Weighting=A Time Weighting=Slow
0.0,15:03:00,
74.1,15:03:01,
73.9,15:03:02,
74.1,15:03:03,
74.1,15:03:04,
73.9,15:03:05,
74.0,15:03:06,
74.5,15:03:07,
74.7,15:03:08,
74.7,15:03:09,
74.7,15:03:10,
74.6,15:03:11,
74.6,15:03:12,
74.7,15:03:13,
74.8,15:03:14,
74.8,15:03:15,
74.9,15:03:16,
74.9,15:03:17,
74.9,15:03:18,
74.9,15:03:19,
74.8,15:03:20,
74.8,15:03:21,
74.7,15:03:22,
74.6,15:03:23,
74.5,15:03:24,
74.6,15:03:25,
74.5,15:03:26,
74.5,15:03:27,
74.4,15:03:28,
74.3,15:03:29,
74.3,15:03:30,
74.2,15:03:31,
75.4,15:03:32,
76.0,15:03:33,
76.3,15:03:34,
76.4,15:03:35,
76.5,15:03:36,
76.6,15:03:37,
76.6,15:03:38,
76.7,15:03:39,
76.7,15:03:40,
76.7,15:03:41,
76.7,15:03:42,
76.9,15:03:43,
77.2,15:03:44,
77.4,15:03:45,
77.4,15:03:46,

Fecha: 23/Nov/2014	Responsable de la Medición: JC/GL
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I. INFORMACIÓN DEL ÁREA

Lugar: B-5. Don Bosco	Corregimiento / Ciudad: Juan Díaz / Panamá.
Fuente de Ruido Medida: Receptor	
Coordenadas del Punto de Medición: 0673469 / 1002140	
Colindantes del Punto de Medición: Vialidad, Aeropuerto Commercial Park II	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 94.2%	Temperatura: 24.2°C	Vel.Viento: 1.6 Km/h
Lluvia: No	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DEL PREPARADOR DEL EQUIPO		Modelo:	Serie #:
Instrumento Extch: <i>Sonómetro #2</i>	<i>407780</i>		<i>Z308659</i>
Fecha de Calibración: <i>Febrero 2015</i>			
Calibrador Extch <i>Junio 2015</i>	Modelo: <i>407744</i>	Serie #: <i>Z178919</i>	
Baterías Revisadas Sonómetro (S/No):	Precalibración:	Por:	Postcalibración:
	<i>94.3 dB(A)</i>	<i>JC</i>	<i>93.8 dB(A)</i>
Baterías Revisadas Calibrador (S/No):			

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/23/14 01:39:00
Sampling Time=1
Record Num= 3600
Leq Value=70.3 SEL Value=105.9
MAX Value=85.7
MIN Value=57.3
Freq Weighting=A Time Weighting=Slow
0.0,01:39:00,
73.6,01:39:01,
72.8,01:39:02,
72.9,01:39:03,
74.0,01:39:04,
74.3,01:39:05,
73.9,01:39:06,
73.4,01:39:07,
72.9,01:39:08,
72.5,01:39:09,
72.2,01:39:10,
72.0,01:39:11,
71.8,01:39:12,
71.8,01:39:13,
71.9,01:39:14,
71.8,01:39:15,
71.6,01:39:16,
71.5,01:39:17,
71.4,01:39:18,
71.5,01:39:19,
71.8,01:39:20,
72.1,01:39:21,
72.1,01:39:22,
72.1,01:39:23,
72.0,01:39:24,
72.0,01:39:25,
72.0,01:39:26,
72.1,01:39:27,
72.0,01:39:28,
71.9,01:39:29,
71.9,01:39:30,
71.8,01:39:31,
71.8,01:39:32,
71.8,01:39:33,
71.8,01:39:34,
71.8,01:39:35,
71.7,01:39:36,
71.6,01:39:37,
71.6,01:39:38,
71.5,01:39:39,
71.5,01:39:40,
71.4,01:39:41,
71.3,01:39:42,
71.2,01:39:43,
71.2,01:39:44,
71.1,01:39:45,
71.2,01:39:46,

Date Time=11/15/14 12:18:00
Sampling Time=1
Record Num= 3602
Leq Value=79.0 SEL Value=114.5
MAX Value=96.0
MIN Value=65.7
Freq Weighting=A Time Weighting=Slow
0.0,12:18:00,
71.9,12:18:01,
73.7,12:18:02,
76.8,12:18:03,
78.1,12:18:04,
78.6,12:18:05,
78.7,12:18:06,
79.0,12:18:07,
79.0,12:18:08,
78.8,12:18:09,
78.5,12:18:10,
78.2,12:18:11,
77.9,12:18:12,
77.6,12:18:13,
77.4,12:18:14,
77.3,12:18:15,
77.1,12:18:16,
77.0,12:18:17,
76.9,12:18:18,
76.8,12:18:19,
76.8,12:18:20,
76.8,12:18:21,
76.6,12:18:22,
76.5,12:18:23,
76.5,12:18:24,
76.7,12:18:25,
76.9,12:18:26,
77.0,12:18:27,
76.9,12:18:28,
76.9,12:18:29,
77.2,12:18:30,
77.3,12:18:31,
77.4,12:18:32,
77.3,12:18:33,
77.3,12:18:34,
77.2,12:18:35,
77.2,12:18:36,
77.2,12:18:37,
77.1,12:18:38,
77.2,12:18:39,
77.3,12:18:40,
77.4,12:18:41,
77.4,12:18:42,
77.4,12:18:43,
77.4,12:18:44,
77.4,12:18:45,
77.5,12:18:46,

- Paso constante de vehículos
- Sobrevuelos de aviones del Aeropuerto de Toluca
- Bocinas de vehículos
- Automóviles con elevado volumen de radio
- Ruido generado por fuegos artificiales
- Trinar de aves nocturnas cerca al punto de medición

Date Time=11/22/14 22:00:00
Sampling Time=1
Record Num= 3600
Leq Value=75.6 SEL Value=111.2
MAX Value=87.2
MIN Value=58.3
Freq Weighting=A Time Weighting=Slow
0.0,22:00:00,
81.5,22:00:01,
81.1,22:00:02,
80.3,22:00:03,
79.8,22:00:04,
79.4,22:00:05,
79.0,22:00:06,
78.6,22:00:07,
78.1,22:00:08,
77.8,22:00:09,
77.6,22:00:10,
77.7,22:00:11,
77.6,22:00:12,
77.6,22:00:13,
77.5,22:00:14,
77.5,22:00:15,
77.4,22:00:16,
77.4,22:00:17,
77.3,22:00:18,
77.2,22:00:19,
77.0,22:00:20,
76.9,22:00:21,
76.7,22:00:22,
76.7,22:00:23,
76.6,22:00:24,
76.7,22:00:25,
76.6,22:00:26,
76.6,22:00:27,
76.5,22:00:28,
76.4,22:00:29,
76.3,22:00:30,
76.2,22:00:31,
76.2,22:00:32,
76.1,22:00:33,
76.1,22:00:34,
76.0,22:00:35,
75.9,22:00:36,
75.8,22:00:37,
75.8,22:00:38,
75.9,22:00:39,
75.9,22:00:40,
75.8,22:00:41,
75.8,22:00:42,
75.8,22:00:43,
75.8,22:00:44,
75.8,22:00:45,
75.7,22:00:46,

DIURNO ☒ NOCTURNO

Fecha: 15/11/2014

Responsable de la Medición: V.V / LM.

I. INFORMACIÓN DEL ÁREA

Lugar: (R-7) La Jota

Corregimiento / Ciudad: 24 de diciembre / Panamá

Fuente de Ruido Medida: Receptor.

Coordenadas del Punto de Medición: 0679069 / 1006677

Colindantes del Punto de Medición: Veracruz, Centro Medico El Sol, Ma. Donalds, La Sierra

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 78.9 %

Temperatura: 32.6°C

Vel. Viento: 2.5 km/h

Lluvia: No.

Observaciones: Sobrado.

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: *Sonometro (2)*

Modelo:

Serie #:

407280

2308659

Fecha de Calibración: Febrero 20/5

Calibrador Exttech *Junio 2015*

Modelo: 4022 44

Serie #: 2178919

Baterias Revisadas Sonómetro (Si/No):

Precalibración:	Por:
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Postcalibración:	Por:
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Baterias Revisadas Calibrador (Si/No):

24.3 $\text{dB}(\rho)$ V.V.

94. 1 LB LM

IV. INFORMACIÓN / RESULTADOS

TIEMPO

COMENTARIOS - DETALLES DE ACTIVIDAD

Hora Inicial:

Hora Final:

Leq:

10:54 am

11:54 am

79.4

dB(A)

Ruido generado por: Paso constante de vehículos, sobrevuelo de aviones (alarma de retroceso de pequeño periodo en construcción cercana al sitio de medición); Ruido de la sirena de un patrullero. Freno del motor de un camión volquete, personas conversando. Bocina de un bus (11:26). Sirena de una ambulancia (11:35).

Date Time=11/15/14 10:54:00
Sampling Time=1
Record Num= 3601
Leq Value=79.4 SEL Value=114.9
MAX Value=103.4
MIN Value=61.7
Freq Weighting=A Time Weighting=Slow
0.0,10:54:00,
77.7,10:54:01,
76.7,10:54:02,
75.4,10:54:03,
74.4,10:54:04,
74.0,10:54:05,
74.5,10:54:06,
75.8,10:54:07,
76.7,10:54:08,
77.0,10:54:09,
77.0,10:54:10,
76.8,10:54:11,
76.5,10:54:12,
76.2,10:54:13,
76.0,10:54:14,
75.9,10:54:15,
75.7,10:54:16,
75.6,10:54:17,
75.4,10:54:18,
75.2,10:54:19,
75.1,10:54:20,
75.0,10:54:21,
74.9,10:54:22,
74.9,10:54:23,
75.6,10:54:24,
77.0,10:54:25,
77.7,10:54:26,
78.2,10:54:27,
78.5,10:54:28,
79.2,10:54:29,
79.8,10:54:30,
79.9,10:54:31,
79.8,10:54:32,
79.7,10:54:33,
79.6,10:54:34,
79.5,10:54:35,
79.4,10:54:36,
79.4,10:54:37,
79.3,10:54:38,
79.2,10:54:39,
79.2,10:54:40,
79.1,10:54:41,
79.1,10:54:42,
79.0,10:54:43,
79.0,10:54:44,
78.9,10:54:45,
78.8,10:54:46,

Fecha: 22-NOV-2014	Responsable de la Medición: GL / JC
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I. INFORMACIÓN DEL ÁREA

Lugar: (R-7) La Doña	Corregimiento / Ciudad: 24 de diciembre / Panamá.
Fuente de Ruido Medida: Receptor.	
Coordenadas del Punto de Medición: 0679069 / 1006677.	
Colindantes del Punto de Medición: Violidad, Centro Médico El Sol, McDonald's	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 94.6 %	Temperatura: 24.6 °C	Vel.Viento: 0 km/h
Lluvia: NO	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACION DE PREPARACION DEL INSTRUMENTO DE MEDICION		Modelo:	Serie #:
Instrumento Extech: <i>Sonómetro #2</i>		<i>407780</i>	<i>7308659</i>
Fecha de Calibración: <i>Febrero 2015</i>			
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407744</i>	Serie #: <i>2178919</i>	
Baterías Revisadas Sonómetro (S/No):	Precalibración:	Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/No):	<i>94.4 LB(A) JC</i>		<i>93.8 LB(A) SC</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/22/14 23:12:00
Sampling Time=1
Record Num= 3600
Leq Value=74.6 SEL Value=110.2
MAX Value=95.9
MIN Value=57.5
Freq Weighting=A Time Weighting=Slow
0.0,23:12:00,
77.6,23:12:01,
77.7,23:12:02,
77.2,23:12:03,
76.7,23:12:04,
76.4,23:12:05,
76.1,23:12:06,
76.0,23:12:07,
76.0,23:12:08,
76.1,23:12:09,
76.1,23:12:10,
76.1,23:12:11,
76.2,23:12:12,
76.3,23:12:13,
76.5,23:12:14,
76.6,23:12:15,
76.6,23:12:16,
76.5,23:12:17,
76.6,23:12:18,
76.7,23:12:19,
76.8,23:12:20,
76.9,23:12:21,
77.0,23:12:22,
77.1,23:12:23,
77.2,23:12:24,
77.2,23:12:25,
77.2,23:12:26,
77.3,23:12:27,
77.5,23:12:28,
77.7,23:12:29,
77.8,23:12:30,
77.9,23:12:31,
77.8,23:12:32,
77.8,23:12:33,
77.7,23:12:34,
77.7,23:12:35,
77.6,23:12:36,
77.6,23:12:37,
77.5,23:12:38,
77.4,23:12:39,
77.4,23:12:40,
77.3,23:12:41,
77.3,23:12:42,
77.2,23:12:43,
77.2,23:12:44,
77.3,23:12:45,
77.2,23:12:46,

Fecha: 15 Noviembre 2014	Responsable de la Medición: LM/VV
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I. INFORMACIÓN DEL ÁREA

Lugar: R-8 Nuevo Teumen	Corregimiento / Ciudad: 24 de diciembre / Panamá.
Fuente de Ruido Medida: Bocebas	
Coordenadas del Punto de Medición: 681844 / 1006191	
Colindantes del Punto de Medición: Residencias, vialidad.	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 94.1 %	Temperatura: 27.3 °C	Vel. Viento: 1.2 m/h
Lluvia: No	Observaciones: Cielo despejado	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extch: Sonómetro No 1	Modelo:	Serie #:
Fecha de Calibración: Julio 2015	407780	H008300
Calibrador Extch: Junio 2015.	Modelo: 407744	Serie #: 2178919
Baterías Revisadas Sonómetro (S/No):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (S/No):	94.2 dB(A) LM.	93.7 dB(A) LM

IV. INFORMACIÓN / RESULTADOS

TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD
Hora Inicial:	Hora Final:	Leq:
9:31 AM	10:31 AM	60.3 dB(A)
Ruido generado por: - Radio encendido en residencias cercanas al sitio de medición, sobre ruidos de coches, (además), al abrir la puerta de estacionamiento de residencias cercanas. Truenos de agua, gubidos, alarmas de notificación de maquinaria de proyecto cercanas al área de medición (se percibe detección de arbores). Trabajos en residencia cercana con drill (electrico)		
* Se mantuvo en la residencia es constante hasta 09:55 am.		

Date Time=11/15/14 09:31:00
Sampling Time=1
Record Num= 3600
Leq Value=60.3 SEL Value=95.9
MAX Value=78.6
MIN Value=41.6
Freq Weighting=A Time Weighting=Slow
0.0,09:31:00,
61.2,09:31:01,
61.4,09:31:02,
61.1,09:31:03,
61.2,09:31:04,
61.3,09:31:05,
61.4,09:31:06,
61.4,09:31:07,
61.3,09:31:08,
61.2,09:31:09,
61.0,09:31:10,
60.9,09:31:11,
60.8,09:31:12,
60.6,09:31:13,
60.6,09:31:14,
60.6,09:31:15,
60.6,09:31:16,
60.6,09:31:17,
60.7,09:31:18,
60.8,09:31:19,
60.9,09:31:20,
61.0,09:31:21,
61.3,09:31:22,
61.4,09:31:23,
61.5,09:31:24,
61.6,09:31:25,
61.6,09:31:26,
61.6,09:31:27,
61.7,09:31:28,
62.0,09:31:29,
62.2,09:31:30,
62.3,09:31:31,
62.4,09:31:32,
62.5,09:31:33,
62.6,09:31:34,
62.7,09:31:35,
62.9,09:31:36,
63.1,09:31:37,
63.1,09:31:38,
63.3,09:31:39,
63.5,09:31:40,
63.8,09:31:41,
63.9,09:31:42,
64.0,09:31:43,
64.1,09:31:44,
64.2,09:31:45,
64.3,09:31:46,

Fecha: 23/Nov/2014	Responsable de la Medición: JC/GL
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I. INFORMACIÓN DEL ÁREA

Lugar: (B-8) Nvo. Tocumen	Corregimiento / Ciudad: 24 de diciembre / Panamá.
Fuente de Ruido Medida: Receptor.	
Coordenadas del Punto de Medición: 681844 / 1006191	
Colindantes del Punto de Medición: Residencias, Vialidad.	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 90.3 %	Temperatura: 23.6 °C	Vel. Viento: 0.0 km/h
Lluvia: No	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extch: <u>Sonómetro #2</u>	Modelo: <u>407700</u>	Series #: <u>Z308659</u>
Fecha de Calibración: <u>Febrero 2015</u>		
Calibrador Extch <u>Junio 2015</u>	Modelo: <u>407744</u>	Series #: <u>Z178919</u>
Baterías Revisadas Sonómetro (Sí/No): <u>✓</u>	Precalibración: <u>94.5 dB(A)</u>	Postcalibración: <u>93.7 dB(A)</u>
Baterías Revisadas Calibrador (Sí/No): <u>✓</u>	Por: <u>JC</u>	Por: <u>JC</u>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/23/14 00:21:00
Sampling Time=1
Record Num= 3600
Leq Value=54.2 SEL Value=89.7
MAX Value=75.7
MIN Value=47.2
Freq Weighting=A Time Weighting=Slow
0.0,00:21:00,
53.5,00:21:01,
53.3,00:21:02,
53.1,00:21:03,
53.4,00:21:04,
54.2,00:21:05,
54.2,00:21:06,
54.2,00:21:07,
54.0,00:21:08,
53.9,00:21:09,
53.8,00:21:10,
53.9,00:21:11,
54.1,00:21:12,
54.3,00:21:13,
54.4,00:21:14,
54.3,00:21:15,
54.3,00:21:16,
54.2,00:21:17,
54.1,00:21:18,
54.0,00:21:19,
53.9,00:21:20,
54.0,00:21:21,
54.1,00:21:22,
54.1,00:21:23,
54.1,00:21:24,
54.0,00:21:25,
54.0,00:21:26,
54.0,00:21:27,
54.0,00:21:28,
54.0,00:21:29,
54.0,00:21:30,
54.1,00:21:31,
54.1,00:21:32,
54.1,00:21:33,
54.1,00:21:34,
54.2,00:21:35,
54.2,00:21:36,
54.1,00:21:37,
54.1,00:21:38,
54.1,00:21:39,
54.2,00:21:40,
54.2,00:21:41,
54.2,00:21:42,
54.2,00:21:43,
54.3,00:21:44,
54.3,00:21:45,
54.4,00:21:46,

FORMULARIOS DE CAMPO
DIA FERIADO

Fecha: 11/10/2014	Responsable de la Medición: LM / LV
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I. INFORMACIÓN DEL ÁREA

Lugar: (R-1) Hosp. San Miguel	Corregimiento / Ciudad: Ameliora Dens de Icoza / Panamá.
Fuente de Ruido Medida: Receptor	
Coordenadas del Punto de Medición: 663978 / 998658	
Colindantes del Punto de Medición: Est. del Metro, vialidad, Machetazo,	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 65.5%	Temperatura: 33.9°C	Vel. Viento: 3.0 Km/h
Lluvia: No	Observaciones: Nublado	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE PREVISIÓN DEL INSTRUMENTO		
Instrumento Extech: <i>Sonómetro N.º 2</i>	Modelo:	Serie #:
Fecha de Calibración: <i>Febrero 2015</i>	<i>407780</i>	<i>Z 308659</i>
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407744</i>	Serie #: <i>Z178919.</i>
Baterías Revisadas Sonómetro (Sí/No):	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Sí/No):	<i>94.2 dB(A) LM</i>	<i>93.8 dB(A) LM</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=12/01/14 12:15:00
Sampling Time=1
Record Num= 3600
Leq Value=74.1 SEL Value=109.7
MAX Value=88.5
MIN Value=65.3
Freq Weighting=A Time Weighting=Slow
0.0,12:15:00,
81.4,12:15:01,
81.6,12:15:02,
80.7,12:15:03,
79.9,12:15:04,
79.2,12:15:05,
78.7,12:15:06,
78.4,12:15:07,
78.1,12:15:08,
77.9,12:15:09,
77.9,12:15:10,
77.9,12:15:11,
77.9,12:15:12,
77.8,12:15:13,
77.7,12:15:14,
77.6,12:15:15,
77.5,12:15:16,
77.4,12:15:17,
77.3,12:15:18,
77.2,12:15:19,
77.1,12:15:20,
77.0,12:15:21,
77.0,12:15:22,
76.9,12:15:23,
76.8,12:15:24,
76.8,12:15:25,
76.7,12:15:26,
76.6,12:15:27,
76.5,12:15:28,
76.5,12:15:29,
76.4,12:15:30,
76.4,12:15:31,
76.3,12:15:32,
76.3,12:15:33,
76.3,12:15:34,
76.2,12:15:35,
76.2,12:15:36,
76.2,12:15:37,
77.3,12:15:38,
77.5,12:15:39,
77.6,12:15:40,
77.5,12:15:41,
77.5,12:15:42,
77.4,12:15:43,
77.3,12:15:44,
77.3,12:15:45,
77.2,12:15:46,

Fecha: 11 - NOV - 14	Responsable de la Medición: J.L / D.H
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I. INFORMACIÓN DEL ÁREA

Lugar: HOSPITAL SAN MIGUEL ARCANGEL Ra1		Corregimiento / Ciudad: Amelia Densu de Icaza / Panamá
Fuente de Ruido Medida: Receptor		
Coordenadas del Punto de Medición: 66 39 28 / 99 86 58		
Colindantes del Punto de Medición: Estación San Miguelito, HSMA, Vía Tocumen		

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 86.1 %	Temperatura: 25.4 °C	Vel. Viento: 0.0 km/hr
Lluvia: No	Observaciones: DESPEJADO	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extch: <i>Sonómetro No. 4</i>		Modelo:	Serie #:
Fecha de Calibración: <i>JUL 10 2015</i>		<i>407780</i>	<i>H008300</i>
Calibrador Extch <i>JUN 10 2015</i>	Modelo:	<i>407744</i>	Serie #: <i>2178919</i>
Baterías Revisadas Sonómetro (Si/No): <i>Si</i>	Precalibración:	Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): <i>Si</i>	<i>94.2 dB</i>	<i>DH/SL</i>	<i>93.9 DH/SL</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/11/14 00:25:00
Sampling Time=1
Record Num= 3600
Leq Value=70.7 SEL Value=106.3
MAX Value=86.8
MIN Value=50.6
Freq Weighting=A Time Weighting=Slow
0.0,00:25:00,
67.6,00:25:01,
67.1,00:25:02,
67.0,00:25:03,
66.8,00:25:04,
66.6,00:25:05,
66.5,00:25:06,
66.4,00:25:07,
66.4,00:25:08,
66.5,00:25:09,
66.5,00:25:10,
66.6,00:25:11,
66.6,00:25:12,
66.6,00:25:13,
66.7,00:25:14,
66.7,00:25:15,
66.7,00:25:16,
66.7,00:25:17,
66.8,00:25:18,
66.8,00:25:19,
66.9,00:25:20,
67.1,00:25:21,
67.3,00:25:22,
67.4,00:25:23,
67.4,00:25:24,
67.5,00:25:25,
67.4,00:25:26,
67.4,00:25:27,
67.5,00:25:28,
67.5,00:25:29,
67.5,00:25:30,
67.5,00:25:31,
67.7,00:25:32,
68.0,00:25:33,
68.1,00:25:34,
68.2,00:25:35,
68.2,00:25:36,
68.2,00:25:37,
68.1,00:25:38,
68.0,00:25:39,
68.0,00:25:40,
67.9,00:25:41,
67.9,00:25:42,
67.8,00:25:43,
67.8,00:25:44,
67.7,00:25:45,
67.6,00:25:46,

Fecha: 1 / 12 / 2014		Responsable de la Medición: LM / VV	
I. INFORMACIÓN DEL ÁREA			
Lugar: (B-2) 99 San Miguelito		Corregimiento / Ciudad: Amelia Dénis de Icaza / Panamá	
Fuente de Ruido Medida: Receptor			
Coordenadas del Punto de Medición: 66 42 90 / 99 85 20.			
Colindantes del Punto de Medición: Casa de Empeño, 99 de San Miguelito, vialidad, Puente San Miguelito			
II. INFORMACIÓN AMBIENTAL			
Humedad Relativa: 60.2 %		Temperatura: 34.4 °C	Vel. Viento: 1.6 Km/h
Lluvia: No		Observaciones: Nublado	
III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN			
Instrumento Extech: Sonómetro (2)		Modelo:	Serie #:
Fecha de Calibración: Febrero 2015.		407780	Z308659
Calibrador Extech Junio 2015		Modelo: 407744	Serie #: Z178919
Baterías Revisadas Sonómetro (Sí/No):		Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Sí/No):		93.9 dB(A) LM	93.8 dB(A) VV
IV. INFORMACIÓN / RESULTADOS			
TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD	
Hora Inicial:	Hora Final:	Leq:	
1:28 pm	2:28 pm	75.2 dB(A)	
- Paso constante (de vehículos) de todas direcciones			
- Local con música alta frente al sitio de medición			
- Bronca de vehículos tipo sedan			
- Troncos de cemento de carga			
- Personas hablando con voz alta cerca del sitio de medición			
- A los 20 minutos inició la lluvia cese de lluvia a los 40 minutos			
- Silbato			
- Uso de cemento (quesos) de solda dura en establecimiento cercano al sitio de medición (fondo Jacinto)			
- Freno de buses			

Date Time=12/01/14 13:28:00
Sampling Time=1
Record Num= 3600
Leq Value=75.2 SEL Value=110.7
MAX Value=93.6
MIN Value=66.1
Freq Weighting=A Time Weighting=Slow
0.0,13:28:00,
72.4,13:28:01,
72.3,13:28:02,
72.5,13:28:03,
72.7,13:28:04,
72.7,13:28:05,
72.7,13:28:06,
72.6,13:28:07,
72.6,13:28:08,
72.6,13:28:09,
72.6,13:28:10,
72.6,13:28:11,
72.6,13:28:12,
72.6,13:28:13,
72.6,13:28:14,
72.6,13:28:15,
72.5,13:28:16,
72.5,13:28:17,
72.5,13:28:18,
72.4,13:28:19,
72.4,13:28:20,
72.4,13:28:21,
73.0,13:28:22,
73.2,13:28:23,
73.2,13:28:24,
73.2,13:28:25,
73.2,13:28:26,
73.1,13:28:27,
73.0,13:28:28,
73.0,13:28:29,
72.9,13:28:30,
72.8,13:28:31,
72.8,13:28:32,
72.8,13:28:33,
72.9,13:28:34,
73.0,13:28:35,
73.0,13:28:36,
73.0,13:28:37,
73.0,13:28:38,
73.1,13:28:39,
73.1,13:28:40,
73.1,13:28:41,
73.1,13:28:42,
73.1,13:28:43,
73.1,13:28:44,
73.1,13:28:45,
73.1,13:28:46,

URS Holdings, Inc.

FORMULARIO PARA MEDICIÓN DE RUIDO AMBIENTAL
DIURNO NOCTURNO

Fecha: 11-NOV-14	Responsable de la Medición: J.L
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I. INFORMACIÓN DEL ÁREA

Lugar: 99 San MIGUELITO (R-2)	Corregimiento / Ciudad: Amelia Domínguez de Icaza / Panamá
Fuente de Ruido Medida: RECEPTOR	
Coordenadas del Punto de Medición: 664290 / 998570	
Colindantes del Punto de Medición: Vía TO WMEV, 99 SAN MIGUELITO, Casa de Empeño.	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 89.4 %	Temperatura: 25.5 °C	Vel. Viento: 3.0 Km/h
Lluvia: 0.0	Observaciones: DE 3 PE 1A D12	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extch: Sonómetro V. 1	Modelo:	Serie #:
Fecha de Calibración: JULIO 2015	407780	H008300
Calibrador Extch JULIO 2015	Modelo: 407744	Serie #: 2178919
Baterías Revisadas Sonómetro (Si/No): Si	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): Si	94.2 dB 340H	93.9 dB 3.2

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/11/14 01:32:00
Sampling Time=1
Record Num= 3602
Leq Value=73.4 SEL Value=109.0
MAX Value=102.1
MIN Value=52.9
Freq Weighting=A Time Weighting=Slow
0.0,01:32:00,
61.0,01:32:01,
63.0,01:32:02,
64.3,01:32:03,
64.0,01:32:04,
63.7,01:32:05,
63.4,01:32:06,
65.0,01:32:07,
65.1,01:32:08,
65.0,01:32:09,
64.9,01:32:10,
64.7,01:32:11,
64.5,01:32:12,
64.4,01:32:13,
64.4,01:32:14,
64.3,01:32:15,
64.2,01:32:16,
64.3,01:32:17,
64.6,01:32:18,
65.0,01:32:19,
65.7,01:32:20,
66.4,01:32:21,
67.1,01:32:22,
67.7,01:32:23,
68.1,01:32:24,
68.3,01:32:25,
68.3,01:32:26,
68.3,01:32:27,
68.2,01:32:28,
68.1,01:32:29,
68.0,01:32:30,
67.9,01:32:31,
67.8,01:32:32,
67.7,01:32:33,
67.7,01:32:34,
67.6,01:32:35,
67.7,01:32:36,
67.8,01:32:37,
67.8,01:32:38,
67.9,01:32:39,
67.9,01:32:40,
68.0,01:32:41,
68.1,01:32:42,
68.2,01:32:43,
68.3,01:32:44,
68.3,01:32:45,
68.3,01:32:46,

[illegible]

Date Time=12/01/14 11:04:00
Sampling Time=1
Record Num= 3600
Leq Value=66.0 SEL Value=101.6
MAX Value=86.3
MIN Value=56.8
Freq Weighting=A Time Weighting=Slow
0.0,11:04:00,
61.0,11:04:01,
61.2,11:04:02,
61.2,11:04:03,
61.7,11:04:04,
61.7,11:04:05,
61.6,11:04:06,
61.7,11:04:07,
61.6,11:04:08,
61.5,11:04:09,
61.6,11:04:10,
62.0,11:04:11,
62.8,11:04:12,
63.6,11:04:13,
63.9,11:04:14,
64.1,11:04:15,
64.2,11:04:16,
64.2,11:04:17,
64.1,11:04:18,
64.1,11:04:19,
64.0,11:04:20,
64.1,11:04:21,
64.3,11:04:22,
64.6,11:04:23,
65.2,11:04:24,
65.5,11:04:25,
65.7,11:04:26,
65.7,11:04:27,
65.7,11:04:28,
65.7,11:04:29,
65.6,11:04:30,
65.6,11:04:31,
65.5,11:04:32,
65.4,11:04:33,
65.4,11:04:34,
65.3,11:04:35,
65.2,11:04:36,
65.2,11:04:37,
65.1,11:04:38,
65.1,11:04:39,
65.1,11:04:40,
65.0,11:04:41,
65.0,11:04:42,
64.9,11:04:43,
64.9,11:04:44,
64.8,11:04:45,
64.8,11:04:46,

Date Time=11/10/14 23:15:00
Sampling Time=1
Record Num= 3600
Leq Value=68.2 SEL Value=103.7
MAX Value=88.3
MIN Value=56.5
Freq Weighting=A Time Weighting=Slow
0.0,23:15:00,
67.3,23:15:01,
67.2,23:15:02,
66.3,23:15:03,
65.5,23:15:04,
65.1,23:15:05,
64.9,23:15:06,
65.1,23:15:07,
65.2,23:15:08,
65.2,23:15:09,
65.4,23:15:10,
65.3,23:15:11,
65.2,23:15:12,
65.1,23:15:13,
65.0,23:15:14,
64.9,23:15:15,
64.8,23:15:16,
64.7,23:15:17,
64.6,23:15:18,
64.5,23:15:19,
64.4,23:15:20,
64.3,23:15:21,
64.2,23:15:22,
64.1,23:15:23,
64.0,23:15:24,
63.9,23:15:25,
63.8,23:15:26,
63.8,23:15:27,
64.0,23:15:28,
64.3,23:15:29,
64.9,23:15:30,
65.5,23:15:31,
65.8,23:15:32,
65.8,23:15:33,
65.8,23:15:34,
65.8,23:15:35,
65.7,23:15:36,
65.6,23:15:37,
65.5,23:15:38,
65.5,23:15:39,
65.4,23:15:40,
65.3,23:15:41,
65.3,23:15:42,
65.2,23:15:43,
65.2,23:15:44,
65.1,23:15:45,
65.2,23:15:46,

Fecha: 1/12/2014

Responsable de la Medición: V.V / LM

I. INFORMACIÓN DEL ÁREA

Lugar: San Antonio (R-4) Corregimiento / Ciudad: Rutina Alfaro / Panamá

Fuente de Ruido Medida: Receptor

Coordenadas del Punto de Medición: 671197 / 1001083

Colindantes del Punto de Medición: Ave. Domingo Díaz, Puente Vehicular de San Antonio, Residencias

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 84.9 %

Temperatura: 31.9 °C

Vel. Viento: 1.4 Km/hr

Lluvia: No

Observaciones: Soleado

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech: Sonómetro(2)

Modelo:

407280

Serie #:

Z 308659

Fecha de Calibración: Febrero 2015

Calibrador Extech Junio 2015

Modelo: 407244

Serie #: Z178919

Baterías Revisadas Sonómetro (S/No):

Precalibración: Por:

Postcalibración: Por:

Baterías Revisadas Calibrador (S/No):

93.6 dB(A)

V.V

93.7 dB(A) V.V

IV. INFORMACIÓN / RESULTADOS

TIEMPO COMENTARIOS - DETALLES DE ACTIVIDAD

Hora Inicial:

Hora Final:

Leq:

9:13 am

10:13 am

77.9 dB(A)

- Tránsito constante de vehículos

- Bocinas de los autos

- Carro con música alta de la radio

- Bocina de un vehículo

- Ruido del motor de un tráiler

- Ruido del motor de una moto

Date Time=12/01/14 09:12:00
Sampling Time=1
Record Num= 3601
Leq Value=77.9 SEL Value=113.5
MAX Value=99.9
MIN Value=65.4
Freq Weighting=A Time Weighting=Slow
0.0,09:12:00,
77.3,09:12:01,
76.6,09:12:02,
75.9,09:12:03,
75.3,09:12:04,
75.3,09:12:05,
76.3,09:12:06,
76.7,09:12:07,
76.7,09:12:08,
76.7,09:12:09,
76.7,09:12:10,
76.8,09:12:11,
77.0,09:12:12,
77.2,09:12:13,
77.1,09:12:14,
77.0,09:12:15,
76.9,09:12:16,
76.7,09:12:17,
76.5,09:12:18,
76.3,09:12:19,
76.2,09:12:20,
76.3,09:12:21,
76.3,09:12:22,
76.2,09:12:23,
76.2,09:12:24,
76.2,09:12:25,
76.3,09:12:26,
76.4,09:12:27,
76.5,09:12:28,
76.5,09:12:29,
76.4,09:12:30,
76.3,09:12:31,
76.2,09:12:32,
76.1,09:12:33,
76.0,09:12:34,
75.9,09:12:35,
75.8,09:12:36,
75.8,09:12:37,
75.8,09:12:38,
75.8,09:12:39,
75.8,09:12:40,
75.8,09:12:41,
75.7,09:12:42,
75.7,09:12:43,
75.6,09:12:44,
75.6,09:12:45,
75.5,09:12:46,

Fecha: 10-11-14	Responsable de la Medición: DHC/JL
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I. INFORMACIÓN DEL ÁREA

Lugar: <i>San Antonio (R-4)</i>	Corregimiento / Ciudad: <i>Refinao Alto / Panamá</i>
Fuente de Ruido Medida: <i>Receptor</i>	
Coordenadas del Punto de Medición: <i>671197/1001083</i>	
Colindantes del Punto de Medición: <i>Ava Domingo Diaz, Bda San Antonio</i>	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 85.0%	Temperatura: 25.0 °C	Vel. Viento: 8.0 Km/hr.
Lluvia: No	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DEL REPARADOR DEL INSTRUMENTO DE MEDICIÓN		
Instrumento Extch: <i>Sonómetro 1</i>	Modelo: <i>407780</i>	Serie #: <i>14008300</i>
Fecha de Calibración: <i>JULIO 2015</i>		
Calibrador Extch <i>JULIO 2015</i>	Modelo: <i>407744</i>	Serie #: <i>2178919</i>
Baterías Revisadas Sonómetro (Si/No): <i>Si</i>	Precalibración: Por:	Postcalibración: Por:
Baterías Revisadas Calibrador (Si/No): <i>Si</i>	<i>93.6 DBA DHCJL</i>	<i>94.6 DB DHCJL</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=11/10/14 22:00:00
Sampling Time=1
Record Num= 3600
Leq Value=75.6 SEL Value=111.2
MAX Value=88.8
MIN Value=61.2
Freq Weighting=A Time Weighting=Slow
0.0,22:00:00,
67.1,22:00:01,
66.1,22:00:02,
65.5,22:00:03,
65.1,22:00:04,
65.0,22:00:05,
65.1,22:00:06,
65.5,22:00:07,
66.5,22:00:08,
68.0,22:00:09,
69.7,22:00:10,
71.4,22:00:11,
72.6,22:00:12,
73.1,22:00:13,
73.3,22:00:14,
73.2,22:00:15,
73.1,22:00:16,
73.0,22:00:17,
73.2,22:00:18,
73.3,22:00:19,
73.3,22:00:20,
73.4,22:00:21,
73.8,22:00:22,
74.1,22:00:23,
74.1,22:00:24,
74.0,22:00:25,
73.9,22:00:26,
73.8,22:00:27,
73.7,22:00:28,
73.8,22:00:29,
74.0,22:00:30,
74.3,22:00:31,
74.5,22:00:32,
74.5,22:00:33,
74.5,22:00:34,
74.4,22:00:35,
74.4,22:00:36,
74.3,22:00:37,
74.3,22:00:38,
74.3,22:00:39,
74.4,22:00:40,
74.4,22:00:41,
74.3,22:00:42,
74.3,22:00:43,
74.2,22:00:44,
74.1,22:00:45,
74.1,22:00:46,

Date Time=11/10/14 13:09:00
Sampling Time=1
Record Num= 3601
Leq Value=76.6 SEL Value=112.2
MAX Value=99.3
MIN Value=65.2
Freq Weighting=A Time Weighting=Slow
0.0,13:09:00,
73.5,13:09:01,
73.2,13:09:02,
73.2,13:09:03,
73.0,13:09:04,
73.0,13:09:05,
73.0,13:09:06,
73.0,13:09:07,
72.9,13:09:08,
73.0,13:09:09,
73.1,13:09:10,
73.4,13:09:11,
74.0,13:09:12,
74.5,13:09:13,
74.9,13:09:14,
75.1,13:09:15,
75.2,13:09:16,
75.3,13:09:17,
75.4,13:09:18,
75.6,13:09:19,
75.7,13:09:20,
75.8,13:09:21,
75.8,13:09:22,
75.8,13:09:23,
75.8,13:09:24,
75.8,13:09:25,
75.9,13:09:26,
75.9,13:09:27,
75.9,13:09:28,
75.9,13:09:29,
75.8,13:09:30,
75.7,13:09:31,
75.7,13:09:32,
75.6,13:09:33,
75.6,13:09:34,
75.6,13:09:35,
75.7,13:09:36,
75.6,13:09:37,
75.6,13:09:38,
75.6,13:09:39,
75.6,13:09:40,
75.5,13:09:41,
75.5,13:09:42,
75.6,13:09:43,
75.7,13:09:44,
75.7,13:09:45,
75.7,13:09:46,

Fecha: 2/dic/2014	Responsable de la Medición: JC/GL
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I. INFORMACIÓN DEL ÁREA

Lugar: (B.5) Don Bosco	Corregimiento / Ciudad: Juan Díaz / Panamá.
Fuente de Ruido Medida: Receptor.	
Coordenadas del Punto de Medición: 0673469 / 1002140	
Colindantes del Punto de Medición: Vialidad, Aeropuerto Commercial Park II	

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 90.3%	Temperatura: 25.7 °C	Vel.Viento: 0 K/h
Lluvia: NO	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extch: <i>Sonómetro #2</i>	Modelo:	Serie #:
Fecha de Calibración: <i>Febrero 2015</i>	<i>407780</i>	<i>Z308659</i>
Calibrador Extch <i>Junio 2015</i>	Modelo: <i>407766</i>	Serie #: <i>Z300079</i>
Baterías Revisadas Sonómetro (S/Nº):	Precalibración:	Por:
Baterías Revisadas Calibrador (S/Nº):	<i>93.8 dB(A) 5C</i>	<i>94.1 dB(A) 5C</i>

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=12/02/14 01:35:00
Sampling Time=1
Record Num= 3600
Leq Value=71.4 SEL Value=106.9
MAX Value=93.3
MIN Value=50.8
Freq Weighting=A Time Weighting=Slow
0.0,01:35:00,
57.3,01:35:01,
56.7,01:35:02,
56.3,01:35:03,
58.1,01:35:04,
61.1,01:35:05,
61.3,01:35:06,
61.0,01:35:07,
60.7,01:35:08,
60.4,01:35:09,
60.3,01:35:10,
60.3,01:35:11,
60.6,01:35:12,
61.1,01:35:13,
62.0,01:35:14,
62.6,01:35:15,
62.8,01:35:16,
62.8,01:35:17,
62.7,01:35:18,
62.7,01:35:19,
62.6,01:35:20,
62.5,01:35:21,
62.5,01:35:22,
62.6,01:35:23,
62.8,01:35:24,
62.9,01:35:25,
63.5,01:35:26,
64.6,01:35:27,
65.5,01:35:28,
65.8,01:35:29,
65.8,01:35:30,
65.8,01:35:31,
65.8,01:35:32,
65.9,01:35:33,
66.3,01:35:34,
66.8,01:35:35,
68.0,01:35:36,
69.0,01:35:37,
69.6,01:35:38,
69.9,01:35:39,
70.1,01:35:40,
70.1,01:35:41,
70.0,01:35:42,
70.0,01:35:43,
69.9,01:35:44,
69.8,01:35:45,
69.7,01:35:46,

Fecha: 10 Noviembre 2014	Responsable de la Medición: J.V. / L.H.
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I. INFORMACIÓN DEL ÁREA

Lugar: R-6 (Hosp. San Miguel) Corregimiento / Ciudad: 24 de Dic / Panamá

Fuente de Ruido Medida: Receptor

Coordenadas del Punto de Medición: 676504 / 1005654

Colindantes del Punto de Medición: Hosp. de la 24 de dic. Vialidad, Entradas, Bajada Vieja

II. INFORMACIÓN AMBIENTAL

Humedad Relativa: 63.3%	Temperatura: 29.7°C	Vel. Viento: 9.4 Km/hr
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Lluvia: No.	Observaciones: Nublado -
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III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

Instrumento Extech:	Sonometro No. 2	Modelo:	Serie #:
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Fecha de Calibración: <i>Febrero 2015</i>	<i>407480</i>	<i>14308659</i>
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Calibrador Exttech	Junio 2015	Modelo: 407466	Serie #: Z 300079
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Baterías Revisadas Sonómetro (Sí/No):	Precalibración:	Por:	Postcalibración:	Por:
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Baterias Revisadas Calibrador (Si/No):	94.3	(X/A)	V.V	94.8	(X/A)
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IV. INFORMACIÓN / RESULTADOS

TIEMPO	COMENTARIOS - DETALLES DE ACTIVIDAD
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Hora Inicial:	Hora Final:	Leq:
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11:51 am	12:51 pm	79.1 dB(A)
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Ruido generado por: Ruido constante de vehículo en vía principal colindante al área

de medición, peso de células molliculadas, bario de células

de ruta principal, mínimo de vehículos pasando por vía principal de Tawra.

Stanza di Matruella intorno al hospicio

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Date Time=11/10/14 11:51:00
Sampling Time=1
Record Num= 3601
Leq Value=79.1 SEL Value=114.7
MAX Value=95.6
MIN Value=63.2
Freq Weighting=A Time Weighting=Slow
0.0,11:51:00,
82.9,11:51:01,
82.6,11:51:02,
82.1,11:51:03,
81.3,11:51:04,
80.6,11:51:05,
80.0,11:51:06,
79.7,11:51:07,
79.7,11:51:08,
79.7,11:51:09,
79.5,11:51:10,
79.2,11:51:11,
79.0,11:51:12,
78.8,11:51:13,
78.6,11:51:14,
78.3,11:51:15,
78.1,11:51:16,
77.8,11:51:17,
77.6,11:51:18,
77.4,11:51:19,
77.2,11:51:20,
77.1,11:51:21,
76.9,11:51:22,
76.8,11:51:23,
76.7,11:51:24,
76.7,11:51:25,
76.6,11:51:26,
76.5,11:51:27,
76.4,11:51:28,
76.3,11:51:29,
76.3,11:51:30,
76.5,11:51:31,
76.8,11:51:32,
77.1,11:51:33,
77.5,11:51:34,
77.6,11:51:35,
77.7,11:51:36,
77.8,11:51:37,
77.8,11:51:38,
77.7,11:51:39,
77.7,11:51:40,
77.7,11:51:41,
77.8,11:51:42,
78.0,11:51:43,
78.0,11:51:44,
78.0,11:51:45,
78.0,11:51:46,

Date Time=12/01/14 22:01:00
Sampling Time=1
Record Num= 3600
Leq Value=76.6 SEL Value=112.2
MAX Value=97.2
MIN Value=57.7
Freq Weighting=A Time Weighting=Slow
0.0,22:01:00,
72.5,22:01:01,
74.4,22:01:02,
77.1,22:01:03,
77.3,22:01:04,
76.8,22:01:05,
76.2,22:01:06,
75.6,22:01:07,
75.1,22:01:08,
74.8,22:01:09,
74.8,22:01:10,
75.1,22:01:11,
75.5,22:01:12,
75.6,22:01:13,
75.4,22:01:14,
75.2,22:01:15,
75.0,22:01:16,
74.9,22:01:17,
75.0,22:01:18,
75.2,22:01:19,
75.5,22:01:20,
75.8,22:01:21,
75.9,22:01:22,
76.0,22:01:23,
76.1,22:01:24,
76.2,22:01:25,
76.3,22:01:26,
76.4,22:01:27,
76.5,22:01:28,
76.6,22:01:29,
76.7,22:01:30,
76.8,22:01:31,
76.9,22:01:32,
76.9,22:01:33,
76.8,22:01:34,
76.8,22:01:35,
76.9,22:01:36,
76.9,22:01:37,
76.8,22:01:38,
76.7,22:01:39,
76.7,22:01:40,
76.6,22:01:41,
76.5,22:01:42,
76.5,22:01:43,
76.5,22:01:44,
76.5,22:01:45,
76.5,22:01:46,

IV. INFORMACIÓN / RESULTADOS		
TIEMPO		COMENTARIOS - DETALLES DE ACTIVIDAD
Hora Inicial:	Hora Final:	Leq:
10:39 am	11:39 am	75.0 dB(A)
Ruido generado (por: Paso constante de vehículos de todas dimensiones, música de vehículos, pasando en vía principal vehículos (estación de medición, sobrevuelo de aviones, alarmas de vehículos estacionados, bocina de vehículos, en vía principal, motor de buses, personas hablando en voz alta cerca del sitio de medición, música en kioscos de venta adyacente al sitio de medición, ruido de buses, carro de legumbres cerca del sitio de medición mientras descarga mercancía en sitio de venta), tracas de autos, sobrevuelo de avión		

Date Time=11/10/14 10:39:00
Sampling Time=1
Record Num= 3600
Leq Value=75.0 SEL Value=110.5
MAX Value=94.3
MIN Value=61.9
Freq Weighting=A Time Weighting=Slow
0.0,10:39:00,
74.8,10:39:01,
75.1,10:39:02,
75.8,10:39:03,
76.3,10:39:04,
76.8,10:39:05,
78.1,10:39:06,
79.4,10:39:07,
80.1,10:39:08,
80.8,10:39:09,
81.2,10:39:10,
81.4,10:39:11,
81.2,10:39:12,
81.0,10:39:13,
80.7,10:39:14,
80.5,10:39:15,
80.3,10:39:16,
80.0,10:39:17,
79.8,10:39:18,
79.6,10:39:19,
79.5,10:39:20,
79.4,10:39:21,
79.3,10:39:22,
79.3,10:39:23,
79.3,10:39:24,
79.3,10:39:25,
79.2,10:39:26,
79.2,10:39:27,
79.1,10:39:28,
79.1,10:39:29,
79.0,10:39:30,
79.0,10:39:31,
79.0,10:39:32,
78.9,10:39:33,
78.9,10:39:34,
78.8,10:39:35,
78.8,10:39:36,
78.8,10:39:37,
78.8,10:39:38,
78.7,10:39:39,
78.7,10:39:40,
78.7,10:39:41,
78.7,10:39:42,
78.7,10:39:43,
78.7,10:39:44,
78.6,10:39:45,
78.6,10:39:46,

Fecha: 1 / dic / 2014	Responsable de la Medición: JC / GL
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I. INFORMACIÓN DEL ÁREA

Lugar: B7 La Doña		Corregimiento / Ciudad: 24 de Diciembre / Panamá.
Fuente de Ruido Medida: Receptor.		
Coordenadas del Punto de Medición: 0679069 / 1006622.		
Colindantes del Punto de Medición: Vialidad, Centro Médico El Sol, McDonald's		

II. INFORMACIÓN AMBIENTAL

II. INFORMACION AMBIENTAL		
Humedad Relativa: 86.3%	Temperatura: 26.6°C	Vel. Viento: 2.6 km/h
Lluvia: NO	Observaciones:	

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN

III. INFORMACIÓN DE PREPARACIÓN DEL INSTRUMENTO DE MEDICIÓN:		Modelo:	Serie #:
Instrumento Extech: <i>Sonómetro #2</i>	<i>407780</i>	<i>Z308659</i>	
Fecha de Calibración: <i>Febrero 2015</i>			
Calibrador Extech <i>Junio 2015</i>	Modelo: <i>407766</i>	Serie #: <i>Z300079</i>	
Baterías Revisadas Sonómetro (S/No):	Precalibración: Por:	Postcalibración: Por:	
Baterías Revisadas Calibrador (S/No):	<i>94.6 dB(A) 3C</i>	<i>94.2 dB(A) 3C</i>	

IV. INFORMACIÓN / RESULTADOS

[illegible]

Date Time=12/01/14 23:10:00
Sampling Time=1
Record Num= 3601
Leq Value=77.7 SEL Value=113.3
MAX Value=105.7
MIN Value=54.6
Freq Weighting=A Time Weighting=Slow
0.0,23:10:00,
76.0,23:10:01,
75.8,23:10:02,
75.6,23:10:03,
75.9,23:10:04,
76.0,23:10:05,
75.8,23:10:06,
75.5,23:10:07,
75.4,23:10:08,
75.5,23:10:09,
75.7,23:10:10,
75.9,23:10:11,
76.2,23:10:12,
76.2,23:10:13,
76.2,23:10:14,
76.1,23:10:15,
76.2,23:10:16,
76.4,23:10:17,
76.6,23:10:18,
76.8,23:10:19,
76.9,23:10:20,
77.1,23:10:21,
77.2,23:10:22,
77.3,23:10:23,
77.4,23:10:24,
77.4,23:10:25,
77.4,23:10:26,
77.3,23:10:27,
77.3,23:10:28,
77.2,23:10:29,
77.2,23:10:30,
77.1,23:10:31,
77.1,23:10:32,
77.0,23:10:33,
77.0,23:10:34,
76.9,23:10:35,
76.9,23:10:36,
76.9,23:10:37,
76.9,23:10:38,
76.9,23:10:39,
76.8,23:10:40,
76.8,23:10:41,
76.8,23:10:42,
76.8,23:10:43,
76.7,23:10:44,
76.7,23:10:45,
76.7,23:10:46,

Date Time=11/10/14 09:22:00
Sampling Time=1
Record Num= 3600
Leq Value=63.0 SEL Value=98.5
MAX Value=82.8
MIN Value=43.7
Freq Weighting=A Time Weighting=Slow
0.0,09:22:00,
59.4,09:22:01,
57.7,09:22:02,
56.5,09:22:03,
57.2,09:22:04,
57.2,09:22:05,
56.8,09:22:06,
56.7,09:22:07,
56.4,09:22:08,
56.0,09:22:09,
55.7,09:22:10,
55.4,09:22:11,
55.5,09:22:12,
55.7,09:22:13,
55.6,09:22:14,
55.8,09:22:15,
56.0,09:22:16,
56.0,09:22:17,
55.8,09:22:18,
55.7,09:22:19,
55.5,09:22:20,
55.3,09:22:21,
55.3,09:22:22,
55.8,09:22:23,
56.6,09:22:24,
57.1,09:22:25,
57.2,09:22:26,
57.1,09:22:27,
57.1,09:22:28,
57.0,09:22:29,
57.0,09:22:30,
56.9,09:22:31,
56.8,09:22:32,
56.7,09:22:33,
56.7,09:22:34,
56.6,09:22:35,
56.7,09:22:36,
56.6,09:22:37,
56.6,09:22:38,
56.5,09:22:39,
56.4,09:22:40,
56.3,09:22:41,
56.2,09:22:42,
56.1,09:22:43,
56.1,09:22:44,
56.3,09:22:45,
56.4,09:22:46,

Colindantes del Punto de Medición: Utilidad, Residencias

Lluvia: <u>NO</u>	Observaciones:
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Baterias Revisadas Calibrador (S/N):	93.8 dB(A) JC	94.2 dB(A) JC
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Date Time=12/02/14 00:20:00
Sampling Time=1
Record Num= 3601
Leq Value=51.9 SEL Value=87.5
MAX Value=80.1
MIN Value=43.9
Freq Weighting=A Time Weighting=Slow
0.0,00:20:00,
51.3,00:20:01,
50.6,00:20:02,
52.5,00:20:03,
52.7,00:20:04,
52.1,00:20:05,
51.9,00:20:06,
51.5,00:20:07,
51.3,00:20:08,
51.2,00:20:09,
51.2,00:20:10,
51.4,00:20:11,
51.4,00:20:12,
51.3,00:20:13,
51.1,00:20:14,
51.0,00:20:15,
51.0,00:20:16,
56.5,00:20:17,
57.7,00:20:18,
57.7,00:20:19,
57.7,00:20:20,
57.5,00:20:21,
57.3,00:20:22,
57.2,00:20:23,
57.0,00:20:24,
56.9,00:20:25,
56.7,00:20:26,
56.6,00:20:27,
56.5,00:20:28,
56.3,00:20:29,
56.2,00:20:30,
56.1,00:20:31,
56.0,00:20:32,
55.8,00:20:33,
55.7,00:20:34,
55.6,00:20:35,
55.6,00:20:36,
55.6,00:20:37,
55.6,00:20:38,
55.7,00:20:39,
55.7,00:20:40,
55.6,00:20:41,
55.5,00:20:42,
55.4,00:20:43,
55.3,00:20:44,
55.3,00:20:45,
55.2,00:20:46,