

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Carr St	Date:	06-Mar-09
Service Type:	Start Up	Technician:	DP
			Time: 10:17
			Status: OK

Configuration Changes	
Part #	Location
TX J 11031	100
TB J 8453	100
BY R 0350	100

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0100-3-0
Jumpers:	C:J6 1-2,J3,5 off; L:
Eprom:	R 1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
103	10:35	1181	5.05 psi	1188	
103	10:36	489	2.08 psi	494	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0350	13.13	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	07-Apr-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 13:54
			Status: PT Down

Configuration Changes	
Part #	Location
TX J 8698	110
TB J 25035	110
BY R 0256	110

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0110-00E
Jumpers:	C:J6,1-2,J3,5off;L:J9,10,1-
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
110	14:02	1		0
110	14:03	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0256	12.95	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	27-May-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:50
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
110	12:07	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stopped reporting during event.

Action Taken: Txr OK, RF OK. TB OK. Unknown problem. Will monitor.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	12-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 13:06
			Status: OK

Configuration Changes	
Part #	Location
TX J 8693	120
TB J 19629	120
BY R 0942	120

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0120-00E
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	171.875
Fwd Power:	4.3
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
120	13:24	1		0
120	13:24	2		0
123	13:14	1032	5.05 psi	1020
123	13:14	427	2.09 psi	423

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service LogSite Name: **Simm St**Date: **06-Mar-09**Time: **12:06**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25155	130
BY R 0913	130

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0130-0002-1112-11011**
 Jumpers: **W10,W4**
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
133	12:18	1059	5.09 psi	1059
133	12:19	425	2.04 psi	425

Battery Tests

Battery #	V Quiescent	V Load
BY R 0913	13.23	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK.

Site Notes:**Follow-Up:**

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Service Log			
Site Name:	Blue Mountain	Date:	13-Apr-09
Service Type:	Service Call	Technician:	DP/SB/GH
			Time: 10:36
			Status: Incomplete

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Reinstalled enclosure on newly erected tower, and installed sensors (new sonic wind), solar panels. Ran new GND rods and wires.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Blue Mountain	Date:	14-Apr-09
Service Type:	Service Call	Technician:	DP/SB
			Time: 10:36
			Status: OK

Configuration Changes	
Part #	Location
BY BOR 714	140
BY BOR 703	140
BY BOR 701	140
BY BC 0402	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	L: w3, w4 on
Eprom:	555 v3.01
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
140	12:24	1		0
140	12:25	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:20 ID 141 raw = 29 => 29% RH, ID 142 raw = 91 => 51 deg.F, psychrometer readings Td = 51 deg.F, Tw = 38 deg.F implying RH = 32% and dp = 22 deg.F TB OK.RF OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Nott Creek	Date:	26-Feb-09
Service Type:	Start Up	Technician:	DP
			Time: 10:22
			Status: OK

Configuration Changes	
Part #	Location
TX J 25151	150
TB H 616	150
BY R 0202	150

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0150-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
150	10:37	1		0
150	10:37	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0202	13.06	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Leyden Reservoir	Date:	06-Mar-09
Service Type:	Start Up	Technician:	DP
			Time: 12:40
			Status: OK

Configuration Changes	
Part #	Location
TX J 14148	200
TB J 21344	200
BY R 0339	200

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0200-00D
Jumpers:	C:J6,1-2,J3,5 off; L:J8,9,1-
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
200	13:05	1		0
200	13:06	2		0
203	12:57	1081	10.05 psi	1098
203	12:58	443	4.04 psi	441

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0339	13.11	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Leyden Conf.	Date:	06-Mar-09
Service Type:	Start Up	Technician:	DP
			Time: 11:41
			Status: OK

Configuration Changes	
Part #	Location
TX J 8696	210
TB J 23084	210
BY R 0838	210

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0210-3-0
Jumpers:	C:JB6,1-2 L:JB9,10, 1-2
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
210	12:01	1		0
210	12:02	2		0
213	11:54	1143	5.04 psi	1141
213	11:55	470	2.07 psi	468

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0838	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Upper Leyden	Date:	12-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 11:53
			Status: OK

Configuration Changes	
Part #	Location
TB PW 001	220
BY R 0937	220

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0220-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.0
SWR:	1.11

Test Transmission				
Port	Time	Count	Measure	Predicted
220	12:01	13		0
220	12:02	14		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TB and desiccant. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log

Site Name: **Van Bibber Park** Date: **17-Feb-09** Time: **10:47**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 13313	300
TB J 10749	300
BY R 0919	300

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0300-3-D**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
300	11:02	1		0
300	11:02	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0919	13.20	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:**Follow-Up:**

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Service LogSite Name: **Guy Hill**Date: **26-Feb-09**Time: **11:18**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 19666	310
TB J 18554	310
BY R 0321	310

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0310-3-0**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.4**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
310	11:34	1		0
310	11:34	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0321	12.26	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

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Service Log			
Site Name:	Sports Complex	Date:	06-Mar-09
Service Type:	Start Up	Technician:	DP
			Time: 10:52
			Status: OK

Configuration Changes	
Part #	Location
TX J 11032	320
TB J 24476	320
BY R 0408	320

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0320-00E
Jumpers:	C: J6 1-2,J3.5 off L: J9,10
Eprom:	R1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
320	11:22	1		0
320	11:22	2		0
323	11:13	1060	5.14 psi	1048
323	11:14	434	2.08 psi	424

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0408	13.12	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Van Bibber @ 93

Date: 12-Mar-09

Time: 12:36

Service Type: Start Up

Technician: DP/SB

Status: OK

Configuration Changes

Part #	Location
TX J 25154	330
TB H 557	330
BY R 0933	330

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 0330-0012-1112-11011
Jumpers: W4,W10
Eprom: B
Tx Freq: 169.525
Rx Freq:
Fwd Power: 4.8
Rev Power: 0.0
SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
330	12:47	2		0
330	12:51	3		0
330	12:51	4		0
333	12:42	1135	5.55 psi	1139
333	12:43	530	2.59 psi	539

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Desiccant, TB, and Battery. Installed desiccant in PT box. RF OK. PT OK, good hydraulic contact. TB OK.

Site Notes:**Follow-Up:**

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Service LogSite Name: **Montview Park**Date: **09-Mar-09**Time: **10:21**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 11035	400
TB J 3174	400
BY R 0922	400

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
403	0.011	0.0136	0.0248

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **0400-3-0**
Jumpers: **C: J3, J5 off; j6 on**
Eprom: **57EE R1.8**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
400	10:43	1		0
400	10:46	2		0
400	10:46	3		0
403	10:28	1124	5.15 psi	1032
403	10:35	1954	9.06 psi	1815
403	10:36	1524	7.07 psi	1417
403	10:36	1088	5.06 psi	1013
403	10:36	650	3.02 psi	605
403	10:37	234	1.10 psi	218
403	10:38	1071	4.99 psi	1075
403	10:38	445	2.08 psi	446

Battery Tests

Battery #	V Quiescent	V Load
BY R 0922	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests high, adjusted zero point and recalibrated, repeatability good, good hydraulic contact. TB OK. RF OK. {Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0107), Calibration Offset(0.0136), Std Error(0.0248), Calibration Date(3/9/2009 10:37:30 AM)]}.

Site Notes:**Follow-Up:**

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Service Log

Site Name: **Kelly Dam** Date: **13-May-09** Time: **9:42**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0945	410
BY R 0431	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0410-3-0**
 Jumpers:
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.1**
 SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
410	10:00	1		0
410	10:00	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0945	5.00	

Problem: Quit reporting.

Action Taken: Battery dead, replaced.RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Kelly Dam** Date: **29-May-09** Time: **11:51**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 4399	9000
BY R 0945	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0832	13.06	

Problem: Stopped reporting.

Action Taken: Transmitter locked up, both sense and tx leds on continuous. Antenna is missing, appears to have been blow away by a lightning strike.

Site Notes:

Follow-Up: Replaced antenna and cable, add a polyphasor. Note: mast box screws painted over.

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Service Log			
Site Name:	Kelly Dam	Date:	31-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 13:40
			Status: OK

Configuration Changes	
Part #	Location
TX J 4399	410
TB J 23289	410
BY R 0431	410

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0410-3-0
Jumpers:	
Eprom:	R1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
410	13:47	1		0
410	13:53	2		0
413	13:42	1065	5.13 psi	1076
413	13:43	531	2.44 psi	512

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0431	12.98	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF PK.TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Expo Park	Date:	11-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 10:43
			Status: OK

Configuration Changes	
Part #	Location
TX J 11036	420
TB J 19612	420
BY R 0426	420

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
420	11:03	1		0
420	11:04	2		0
423	10:56	1236	5.34 psi	1227
423	10:57	538	2.34 psi	533

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: installed TXR, Battery, Desicent, and TB. RF OK. TB OK. PT OK, good hydrolic contact. TXR suspended in stand pipe above water.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Expo Park	Date:	07-Apr-09
Time:	12:43		
Service Type:	OneRain Service Ca	Technician:	DP/SB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
420	12:45	17		0
420	12:46	18		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Noticed PT over reporting.

Action Taken: Set Event switch to "D" for change to tx = 1% = 20 counts. TB OK.

Site Notes:

Follow-Up:

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Service LogSite Name: **Aurora FS#7**Date: **16-Feb-09**Time: **14:31**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 18543	440
TB J 23177	440
BY R 0286	440

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0440-3-D**
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
440	14:47	1		0
440	14:47	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0286	12.74	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	02-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 10:32
			Status: OK

Configuration Changes	
Part #	Location
TX J 15784	500
TB J 19496	500
BY R 0325	500

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0500-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
500	10:57	1		0
500	10:57	2		0
503	10:48	1099	5.19 psi	1092
503	10:49	437	2.02 psi	440

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0325	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in vent box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Virginia Court** Date: **16-Feb-09** Time: **15:00**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 18542	510
TB J 23318	510
BY R 0417	510

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0510-3-D**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.1**
 SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
510	15:10	1		0
510	15:10	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0417	12.80	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Jewell Detention**Date: **16-Feb-09**Time: **14:08**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 18540	520
TB J 11492	520
BY R 0340	520

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0520-3-D**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.8**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
520	14:20	1		0
520	14:20	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0340	12.80	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Denver FS #19**Date: **16-Feb-09**Time: **12:58**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 18533	530
TB J 21329	530
BY R 0302	530

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0530-3-D**
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.4**
Rev Power: **0.0**
SWR: **1.14**

Test Transmission

Port	Time	Count	Measure	Predicted
530	13:13	2		0
530	13:14	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0302	12.89	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Parker and Miss.** Date: **16-Feb-09** Time: **13:43**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 18532	540
TB J 10736	540
BY R 0605	540

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0540-3-D**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
540	13:55	1		0
540	13:56	2		0
540	13:57	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0605	12.90	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Harvard Gulch Pk** Date: **05-Mar-09** Time: **10:37**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8691	600
TB J 10764	600
BY R 0907	600

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0600-00E**
 Jumpers: **C:J6,1-2,J3,5off;L:J9,10,1-**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
600	10:58	1		0
600	10:58	2		0
603	10:54	894	4.88 psi	890
603	10:55	372	2.06 psi	368

Battery Tests

Battery #	V Quiescent	V Load
BY R 0907	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	05-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 11:10
			Status: OK

Configuration Changes	
Part #	Location
TX J 148	610
TB J 10739	610
BY R 0511	610

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0610-00E
Jumpers:	
Eprom:	R1.8 583E
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
610	11:28	1		0
610	11:28	2		0
613	11:19	1507	6.60 psi	1512
613	11:21	625	2.77 psi	627

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0511	13.15	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, good hydraulic contact after flushing intake.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Quincy/Highline

Date: 16-Feb-09

Time: 12:17

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX J 15788	620
TB J 24912	620
BY R 0333	620

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 0620-00E
 Jumpers:
 Eprom:
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 5.0
 Rev Power: 0.0
 SWR: 1.14

Test Transmission

Port	Time	Count	Measure	Predicted
620	12:30	1		0
620	12:31	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0333	12.90	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Temple Pond** Date: **05-Mar-09** Time: **13:15**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8697	630
TB J 16739	630
BY R 0934	630

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0630-00E**
 Jumpers: **C:JB3,5 off, JB6 1-2**
 Eprom: **57EE**
 Tx Freq: **169.525**
 Rx Freq: **171.875**
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
630	13:31	1		0
630	13:31	2		0
633	13:23	1273	5.46 psi	1265
633	13:24	488	2.06 psi	479

Battery Tests

Battery #	V Quiescent	V Load
BY R 0934	13.23	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Goldsmith/E'man** Date: **05-Mar-09** Time: **12:21**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 4397	640
TB J 19637	640
BY R 0929	640

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0640-00E**
 Jumpers: **C:J6,1-2,J3,5off; L:J9,10 1**
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
640	12:34	1		0
640	12:34	2		0
643	12:26	1057	5.16 psi	1047
643	12:27	424	2.05 psi	417

Battery Tests

Battery #	V Quiescent	V Load
BY R 0929	13.24	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log		
Site Name: Iliff Pond	Date: 05-Mar-09	Time: 11:40
Service Type: Start Up	Technician: DP/SB	Status: OK

Configuration Changes	
Part #	Location
TX J 19006	650
TB J 21334	650
BY R 0246	650

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0659-E-0-0
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
650	11:57	1		0	
650	12:04	2		0	
650	12:04	3		0	
653	11:51	1122	5.05 psi		1113
653	11:52	450	2.05 psi		440
654	11:56	1160	5.03 psi		1158
654	11:57	481	2.09 psi		492

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0246	0.12	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. Both PT's test OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th

Date: 20-Jan-09

Time: 10:44

Service Type: Inspection

Technician: DP/SB

Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
700	10:56	226		0
700	10:56	227		0

Battery Tests

Battery # V Quiescent V Load

Problem:**Action Taken:** TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	07-Apr-09
Service Type:	Service Call	Technician:	DP/SB
			Time: 10:13
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
700	11:21	245		0
700	11:21	246		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Erratic/seldom reporting.

Action Taken: Comm Eng ID corrupted, reprogrammed.
 Removed last potential condensation loop from bubbler tube in old stilling well. Verified UDFCD installed muffler/baffle on bubbler orifice. Staff reading = 3.78, bubbler read 3.77.

Site Notes: Use Water Log controller to force tx's.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	02-Mar-09
Service Type:	Inspection	Technician:	DP/SB
			Time: 11:45
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0700-00E
Jumpers:	JB 3-5 off
Eprom:	R 1.8 57EE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
700	11:51	229		0
700	11:51	230		0
700	11:52	231		0
700	11:54	232		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK.TB OK. Solar OK. @ 11:59 ID 703 raw = 367 => 3.67 staff gage = 3.70.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	24-Apr-09
Service Type:	OneRain Service Ca	Technician:	DP/MZ
			Time: 11:32
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: irregular reports.

Action Taken: Received locally but not via repeater. swr VIA aea = 1.00, WATTS OK. Switched Blue Mtn. repeater to pass "all" passlist 2 and received data at base station. Will leave over weekend as a test. Bubbler appears to work, will evaluate with improved data reception.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	08-Apr-09
		Time:	9:32
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
700	12:28	1		0
700	12:28	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Still not receiving.

Action Taken: Reset bubbler controller, scan clock corrupted. Reprogrammed Comm Eng and saved. Reports locally, RF OK. TB OK. Will monitor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Horseshoe Park** Date: **11-Mar-09** Time: **11:27**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 15781	710
TB J 23174	710
BY R 0915	710

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **00E**
 Jumpers: **JB3&5**
 Eprom: **R1.8 9CA1**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
710	11:51	1		0
710	11:52	2		0
713	11:37	1235	5.27 psi	1227
713	11:39	402	1.72 psi	400

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: installed TXR, TB, Desicent, and Battery. RF OK. TB OK. PT OK, good hydrolic contact, flushed out conduit.

Site Notes:

Follow-Up: Need to install new box for signal conditioning enclosure.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Confluence Pond** Date: **11-Mar-09** Time: **12:22**
Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 11034	720
TB J 23319	720
BY R 0549	720

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0720-00E**
Jumpers: **C: JB6(12), J3,4 off;L:JB8,**
Eprom: **R 1.1.1 5C58**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
720	12:56	1		0
720	12:57	2		0
723	12:37	1017	5.15 psi	1026
723	12:41	1802	9.09 psi	1804
723	12:41	998	5.08 psi	1011
723	12:45	1008	5.07 psi	1010
723	12:45	408	2.06 psi	417
724	12:50	1219	5.42 psi	1210
724	12:51	402	1.79 psi	413

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, TB, Desicent, and battery. RF OK. TB OK. Both PT's OK, good hydrolic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **No Name @ Quincy** Date: **06-May-09** Time: **12:51**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 2881226	730
PT F 9901	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
733	0.01	0.04	0.0132

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
730	13:53	85		0
730	13:56	86		0
730	13:56	87		0
733	13:46	2013	8.72 psi	1617
733	13:47	1603	6.98 psi	1295
733	13:47	1169	5.08 psi	946
733	13:47	704	3.07 psi	573
733	13:48	246	1.08 psi	207
733	13:49	1144	5.02 psi	1154
733	13:50	459	2.02 psi	462
2192	13:53	90		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem: PT bad.

Action Taken: Installed new Druck PT and signal conditioning module, calibrated PT, repeatability OK, good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 733 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.0400), Std Error(0.0132), Calibration Date(5/6/2009 1:48:22 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	02-Apr-09
Service Type:	PT Down	Technician:	DP/SB
			Time: 12:43
			Status: OK

Configuration Changes	
Part #	Location
TX J 15783	730
TB J 19644	730
BY R 0633	730

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
730	13:26	1		0
730	13:26	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT BAD

Action Taken: Installed TXR, Dessicant, Battery, and TB. PT Bad. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Smoky Hill	Date:	05-May-09
Service Type:	OneRain Service Ca	Technician:	DP/SB
			Time: 13:07
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Poor reception, repeating.

Action Taken: Swapped receive radio and modem, wiring harness from spare.

Site Notes: Shari Matousek 303-693-3800

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Smoky Hill	Date:	12-Jan-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	13:25
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not repeating.

Action Taken: Swapped in spare rptr. Will troubleshoot at shop.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Smoky Hill** Date: **16-Jan-09** Time: **11:27**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Found and corrected programming error in cfg. files. Reinstalled ALERT 2 repeater, working normally.

Site Notes: New protocol: must call or E-mail Len Carson or Chris Dole at Metro Wastewater 303-286-3311 or 3309 day before visit.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Quincy Reservoir** Date: **02-Mar-09** Time: **13:55**
 Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0426	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0750-0012-1312-1111**
 Jumpers: **2km wind run**
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
750	14:13	1		0
750	14:13	3		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in trr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK.
 @ 14:08 ID 751 raw = 32 => 12.55% RH, ID 752 raw = 255 => 72.23 deg.F, psychrometer readings Td = 73 deg.F, Tw = 49 deg.F implying RH = 16% and dp= 23 deg.F. Wind sensor rotating freely.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Mission Viejo Pk** Date: **16-Feb-09** Time: **11:13**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 18534	760
TB J 10738	760
BY R 0416	760

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0760-3-D**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
760	11:28	2		0
760	11:28	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0416	13.01	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	02-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 11:12
			Status: OK

Configuration Changes	
Part #	Location
TX J 15785	800
TB J 08382	800
BY R 0232	800

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0800-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
800	11:34	1		0
800	11:34	2		0
803	11:25	929	5.06 psi	936
803	11:26	360	2.02 psi	375

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0232	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	09-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 11:25
			Status: PT Down

Configuration Changes	
Part #	Location
TX J 15787	810
TB J 18560	810
BY R 0926	810
PT D 2113453	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0810-00E
Jumpers:	C:J6,1-2,J3,5 off; L:J9,10
Eprom:	R1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
810	11:50	2		0
810	11:55	3		0
810	11:55	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0926	13.17	

Problem:

Action Taken: Installed txr battery, desiccant and TB. Removed PT and riser pending construction. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: ETG @ Buckley	Date: 02-Mar-09	Time: 13:21	
Service Type: Start Up	Technician: DP/SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 15780	820
TB J 23294	820
BY R 0905	820

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0820-3-0
Jumpers:	C:J6,1-2,J3,5off;L:J9,10,1-
Eprom:	R1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
820	13:32	1		0
820	13:33	2		0
823	13:23	1087	5.24 psi	1089
823	13:24	607	2.93 psi	609

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0905	13.21	

Problem:

Action Taken: PT tests OK, good hydraulic contact after replacing the stop bolt in the riser. Installed txr, battery, desiccant and TB. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Side Creek Park** Date: **16-Feb-09** Time: **10:45**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 19662	830
TB J 13776	830
BY R 0247	830

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0830-3-D**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.2**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
830	10:59	1		0
830	10:59	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0247	12.92	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Aurora FS 12**Date: **16-Feb-09**Time: **10:17**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TB J 16628	840
BY R 0803	840

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq: **169.525**

Rx Freq:

Fwd Power: **4.7**Rev Power: **0.0**SWR: **1.1****Test Transmission**

Port	Time	Count	Measure	Predicted
840	10:24	11		0
840	10:24	12		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0803	12.95	

Problem:**Action Taken:** Installed battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Flying J**Date: **11-Mar-09**Time: **9:31**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TB J 16621	850
BY R 0903	850

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.2**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
850	9:44	3		0
853	9:40	1172	5.07 psi	1162
853	9:41	481	2.08 psi	472

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** installed battery, descent, and TB. PT tests OK, good hydrolic contact. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sand Creek @ Colfax** Date: **11-Mar-09** Time: **9:56**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TB J 12717	860
BY R 0257	860

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
860	10:19	53		0
860	10:19	54		0
860	10:19	55		0
863	10:15	986	5.05 psi	1025
863	10:16	555	2.69 psi	560

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: installed battery, descent, and TB. RF OK. Solar OK. PT OK, poor hydrolic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek @ Colfax	Date:	29-Apr-09
Time:	12:04	Service Type:	Service Call
Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
860	12:13	133		0
860	12:13	134		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Under reporting.

Action Taken: Upon inspection of TB found a 3 in. long piece of vegetation lodged in the TB funnel impeding function, removed and cleared top section funnel as well. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Murphy Creek**Date: **04-Mar-09**Time: **14:02**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TB J 16624	870
BY R 0938	870

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq: **169.525**

Rx Freq:

Fwd Power: **4.6**Rev Power: **0.0**SWR: **1.1****Test Transmission**

Port	Time	Count	Measure	Predicted
870	14:13	0		0
870	14:13	1		0
873	14:11	1182	5.06 psi	1179
873	14:12	484	2.00 psi	473

Battery Tests

Battery #	V Quiescent	V Load
BY R 0938	13.20	

Problem:**Action Taken:** Installed battery, desiccant and TB. RF OK. TB OK. PT tests OK, good hydraulic contact.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	04-Mar-09
Service Type:	Inspection	Technician:	DP/SB
		Time:	13:28
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0335	900
BY R 0811	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
900	13:38	182		0
900	13:39	183		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0335	13.12	

Problem:

Action Taken: Replaced battery and desiccant in enclosure. RF OK. TB OK. Solar OK. @ 13:37 ID 901 raw = 91 => 9.10% RH, ID 902 raw = 1100 => 70 deg.F, psychrometer readings Td = 70 deg.F, Tw = 47 deg.F implying RH = 15% and dp = 20 deg.F

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **04-Mar-09** Time: **11:29**
 Service Type: **Start Up** Technician: **DP/SB** Status: **PT Down**

Configuration Changes

Part #	Location
TX J 25451	940
TB J 8374	940
BY R 0927	940

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
940	12:08	1		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0927	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. Solar OK. TB OK. PT is dead, appears to be an open circuit, no breaks/damage to PT cable. Will leave as rain only until replacement can be made.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Regional Pond	Date:	05-Mar-09
		Time:	14:09
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Status:	OK

Configuration Changes	
Part #	Location
PT D 2722855	940
PT D 2680704	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
943	14:40	751	5.03 psi	757	
943	14:41	308	2.11 psi	316	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT bad.

Action Taken: Cable of removed PT had been stretched to the point of breaking the wires about 2 ft. underground from the standpipe. Pulled new PT, calibration good, zero good, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **West Repeater**Date: **04-Mar-09**Time: **12:42**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 25450	950
TB J 2531	950
BY R 0935	950

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom: **953 H**Tx Freq: **171.875**Rx Freq: **169.525**Fwd Power: **4.4**Rev Power: **0.0**SWR: **1.1****Test Transmission**

Port	Time	Count	Measure	Predicted
950	12:59	1		0
950	13:00	2		0
953	12:54	735	4.84 psi	737
953	12:55	303	2.02 psi	309

Battery Tests

Battery #	V Quiescent	V Load
BY R 0935	1.21	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replacd desiccant in sig con box. Pt tests OK, good hydraulic contact. RF OK. Solar OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Maple Grove Res** Date: **25-Mar-09** Time: **9:12**
Service Type: **Service Call** Technician: **DP/SP** Status: **OK**

Configuration Changes

Part #	Location
PT D 2722852	1000
BY R 0615	1000
PT KPSI 06007	9000
BY R 0603	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1003	0.011	0.0105	0.0027

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1000-00D**
Jumpers: **C:J6,1-2, J3,5 off**
Eprom: **R1.8 57FE**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.4**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1000	10:16	1		0
1000	10:16	2		0
1000	10:19	3		0
1003	10:00	1860	9.08 psi	1507
1003	10:01	1441	7.04 psi	1168
1003	10:02	1030	5.03 psi	835
1003	10:03	626	61.00 psi	10123
1003	10:04	1847	9.02 psi	1497
1003	10:05	1449	7.08 psi	1174
1003	10:05	1024	5.01 psi	831
1003	10:05	625	3.06 psi	507
1003	10:06	222	1.09 psi	180
1003	10:07	1030	5.03 psi	1026
1003	10:08	428	2.10 psi	427

Battery Tests

Battery #	V Quiescent	V Load
BY R 0615	12.90	

Problem:

Action Taken: Installed new PT and calibrated, repeatability good, good hydraulic contact. Replaced battery and desiccant in txr. Replaced desiccant in sig con box. RF OK. TB OK.
{Auto Entry: Calibrated sensor 1003 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0105), Std Error(0.0027), Calibration Date(3/25/2009 10:06:31 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	13-May-09
Time:	13:41		
Service Type:	OneRain Service Ca	Technician:	DP
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
1000	13:48	140		0
1000	13:49	141		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Reporting wave action.

Action Taken: Set delta change to tx to 1% = 20 counts. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Denver West**Date: **17-Feb-09**Time: **11:33**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 18539	1010
TB J 21358	1010
BY R 0917	1010

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and PerformanceSwitches: **1010-3-D**

Jumpers:

Eprom:

Tx Freq: **169.525**

Rx Freq:

Fwd Power: **4.6**Rev Power: **0.0**SWR: **1.1****Test Transmission**

Port	Time	Count	Measure	Predicted
1010	11:55	1		0
1010	11:56	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0917	13.13	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	24-Mar-09
Service Type:	Start Up	Technician:	DP
			Time: 11:02
			Status: OK

Configuration Changes	
Part #	Location
TX J 18538	1020
BY R 0833	1020

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1020-E00
Jumpers:	c: JB6,1-2 JB3,5=Off
Eprom:	57EE R1.8
Tx Freq:	169.525
Rx Freq:	171.875
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1023	11:12	1176	5.08 psi	1183	
1023	11:13	475	2.06 psi	480	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery and desiccant. PT tests OK, good hydraulic contact. Replaced desiccant in sig con box.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: NREL/SERI

Date: 23-Mar-09

Time: 13:16

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX J 11037	1030
TB J 20912	1030
BY R 0806	1030

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1030-3-D

Jumpers:

Eprom:

Tx Freq: 169.525

Rx Freq:

Fwd Power: 4.6

Rev Power: 0.0

SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
1030	13:30	1		0
1030	13:30	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0806	13.12	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lena @ Hwy 6	Date:	24-Mar-09
Service Type:	Start Up	Technician:	DP
			Time: 10:14
			Status: OK

Configuration Changes	
Part #	Location
TX J 4395	1040
TB S 0203	1040
BY R 0619	1040

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1040-3-0
Jumpers:	C: JB6,1-2 L:JB9,10,1-2
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1040	10:47	1		0
1040	10:48	2		0
1043	10:37	1049	5.03 psi	1047
1043	10:38	425	2.06 psi	423

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0619	13.04	

Problem:

Action Taken: Installed txr, battery, desiccant and TB.PT tests OK, good hydraulic contact. RF OK. TB OK.
 Replaced desiccant in sig con box.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Fairgrounds**Date: **17-Feb-09**Time: **12:19**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 18536	1050
TB J 18553	1050
BY R 0918	1050

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **tx j 18536**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1050	12:32	1		0
1050	12:33	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0918	13.21	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Apex**Date: **26-Feb-09**Time: **12:52**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 18537	1060
TB J 13269	1060
BY R 0221	1060

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and PerformanceSwitches: **1060-3-d**

Jumpers:

Eprom:

Tx Freq: **169.525**

Rx Freq:

Fwd Power: **4.3**Rev Power: **0.0**SWR: **1.1****Test Transmission**

Port	Time	Count	Measure	Predicted
1060	13:06	1		0
1060	13:06	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0221	0.21	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	L'ville Dwy "D"	Date:	12-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 13:59
			Status: OK

Configuration Changes	
Part #	Location
TX J 2806	1100
TB J 23302	1100
BY R 0928	1100

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1100-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1100	14:09	1		0
1100	14:10	2		0
1100	14:13	3		0
1103	14:04	1042	5.07 psi	1030
1103	14:05	424	2.03 psi	414

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0928	13.24	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gunbarrel	Date:	12-Mar-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 14:35
			Status: OK

Configuration Changes	
Part #	Location
TX J 25145	1110
TB H 566	1110
BY R 0940	1110

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1110-0012-1112-11011
Jumpers:	W4, W10
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1110	15:01	1		0
1110	15:02	2		0
1113	14:54	1038	5.04 psi	1041
1113	14:55	547	2.65 psi	550

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0940	13.23	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. TB OK. RF OK. PT tests OK, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	25-Mar-09
Service Type:	Start Up	Technician:	DP/SP
			Time: 14:48
			Status: OK

Configuration Changes	
Part #	Location
TX J 15782	1200
TB J 21365	1200
BY R 0407	1200

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1200-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1200	15:06	1		0
1200	15:06	2		0
1203	14:58	957	5.21 psi	958
1203	14:59	373	2.00 psi	366

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	27-May-09
Time:	10:26	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
1300	10:30	59		0
1300	10:32	60		0
1300	10:34	61		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Missed event.

Action Taken: Topsection had been rotated, interfering with TB, corrected, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Hidden Lake**Date: **13-Mar-09**Time: **10:45**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 11923	1300
TB J 21318	1300
BY R 0910	1300

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1303	0.01	-0.016	0.0045

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1300-00E**
Jumpers: **none**
Eprom: **5.0S**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **44.5**
Rev Power: **0.0**
SWR: **1.03**

Test Transmission

Port	Time	Count	Measure	Predicted
1300	11:12	1		0
1300	11:14	2		0
1300	11:18	3		0
1303	10:59	2031	8.62 psi	1912
1303	11:00	1669	7.08 psi	1572
1303	11:00	1202	5.10 psi	1133
1303	11:01	716	3.04 psi	675
1303	11:01	260	1.09 psi	244
1303	11:02	1189	5.05 psi	1189
1303	11:03	485	2.05 psi	485

Battery Tests

Battery #	V Quiescent	V Load
BY R 0910	13.23	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests high, recalibrated, repeatability OK, good hydraulic contact.
{Auto Entry: Calibrated sensor 1303 by linear regression. Modified calibration data. New calibration [Slope(0.0098), Calibration Offset(-0.0160), Std Error(0.0045), Calibration Date(3/13/2009 11:01:53 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Little Dry Creek @ 64t** Date: **13-Mar-09** Time: **9:28**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 11922	1310
TB J 17973	1310
PT D 2722854	1310
BY R 0906	1310
PT D 1465543	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1313	0.011	0.0371	0.0089

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1310-00E**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1310	10:33	1		0
1310	10:36	2		0
1313	10:25	1870	9.16 psi	2156
1313	10:26	1441	7.06 psi	1662
1313	10:26	1032	5.06 psi	1191
1313	10:26	620	3.05 psi	718
1313	10:27	211	1.05 psi	246
1313	10:28	1034	5.08 psi	1033
1313	10:28	414	2.05 psi	414

Battery Tests

Battery #	V Quiescent	V Load
BY R 0906	13.21	

Problem:

Action Taken: Installed txr, battery, desiccant , TB and new PT. Replaced desiccant in sig con box. Calibrated new PT, good hydraulic contact. RF OK. TB OK.
 {Auto Entry: Calibrated sensor 1313 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0371), Std Error(0.0089), Calibration Date(3/13/2009 10:27:29 AM)]}.

Site Notes: Note: pull 90 about 1 ft. from riser.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR @Mausoleum** Date: **05-Mar-09** Time: **9:42**
Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 19663	1320
TB S 0401	1320
BY R 0801	1320

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1323	0.01	0.5031	0.1174

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power: **4.4**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1323	10:01	1960	8.68 psi	2014
1323	10:02	1582	7.08 psi	1644
1323	10:02	1115	5.05 psi	1176
1323	10:02	657	3.07 psi	719
1323	10:03	196	1.06 psi	255
1323	10:04	1102	5.03 psi	1110
1323	10:05	406	2.00 psi	412

Battery Tests

Battery #	V Quiescent	V Load
BY R 0801	13.15	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tested high (147 counts) adjusted zero point and recalibrated, repeatability OK. Good hydraulic contact.

{Auto Entry: Calibrated sensor 1323 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.5031), Std Error(0.1174), Calibration Date(3/5/2009 10:03:49 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Roslyn

Date: 16-Feb-09

Time: 9:38

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX N 3103	1330
TB S 0201	1330
BY R 0616	1330

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1330
 Jumpers:
 Eprom: 9601-01-90 v. 3.9M
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 5.0
 Rev Power: 0.0
 SWR: 1.09

Test Transmission

Port	Time	Count	Measure	Predicted
1330	9:51	1673		0
1330	9:52	1674		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0616	13.05	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sanderson Gulch** Date: **13-Mar-09** Time: **13:12**
 Service Type: **Start Up** Technician: **DP/SB** Status: **Site Down**

Configuration Changes

Part #	Location
TB S 0206	1340

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1340**
 Jumpers:
 Eprom: **9601-01-90 ver 3.9M**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.0**
 SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Signal conditioning is bad, PT alone tests OK. Epoxy job on door has been breached, attempted to reseal with Liquid Nails. As there are no spare Hydrolynx sig con and HSE will not work with Hydrlynx txr. Site will remain down until a spare txr/ sig con can be installed, and door is secure.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sanderson Gulch** Date: **23-Mar-09** Time: **11:08**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX N 3105	1340
BY R 0819	1340

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1343	0.025	-0.0073	0.0079

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1340**
 Jumpers:
 Eprom: **9601-01-90 ver 3.9M**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1340	12:11	1887		0
1340	12:11	1888		0
1343	11:26	837	9.01 psi	957
1343	11:27	649	6.97 psi	727
1343	11:28	467	5.02 psi	508
1343	11:29	284	3.05 psi	286
1343	11:30	97	1.05 psi	61
1343	11:31	467	5.03 psi	469
1343	11:33	187	2.01 psi	188

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed txr, battery, desiccant, TB and spare sig con brd. Calibrated PT, repeatability OK, good hydraulic contact. RF OK. TB OK. Installed 9 size #12 sheetmetal screws thru door into standpipe.

{Auto Entry: Calibrated sensor 1343 by linear regression. Modified calibration data. New calibration [Slope(0.0248), Calibration Offset(-0.0073), Std Error(0.0079), Calibration Date(3/23/2009 11:30:26 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	06-May-09
Time:	14:33		
Service Type:	OneRain Service Ca	Technician:	DP/SB
Status:	OK		

Configuration Changes	
Part #	Location
TX J 18530	1350
TX N 3106	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1350
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1350	14:36	1		0
1350	14:36	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not reporting reliably.
Action Taken: Replaced txr with HSE spare. TB OK.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Chatfield Dam**Date: **29-May-09**Time: **10:43**Service Type: **Service Call**Technician: **DP**Status: **OK****Configuration Changes**

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and PerformanceSwitches: **1350**

Jumpers:

Eprom: **9601-01-90 Ver. 3.9M**Tx Freq: **169.525**

Rx Freq:

Fwd Power: **26.0**Rev Power: **0.8**SWR: **1.43****Test Transmission**

Port	Time	Count	Measure	Predicted
1350	10:53	1		0
1350	10:54	2		0

Battery Tests

Battery # V Quiescent V Load

Problem: Intermittant reporting, poor response from repeater.**Action Taken:** Added power amp. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Chatfield Dam** Date: **05-May-09** Time: **11:49**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX N 3106	1350
BY R 0848	1350
TX N 3108	9000
BY R 0921	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1350**
 Jumpers:
 Eprom: **9601-01-90 Ver. 3.9M**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
1350	12:01	1		0
1350	12:01	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0848	12.80	

Problem: not reporting reliably.

Action Taken: Replaced txr and battery. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Chatfield Dam**Date: **17-Feb-09**Time: **13:29**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX N 3108	1350
TB S 3359	1350
BY R 0921	1350

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1350**
 Jumpers:
 Eprom: **9601-01-90 Ver. 3.9M**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1350	13:55	1975		0
1350	13:58	1976		0
1350	13:58	1977		0
1350	13:59	1978		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0921	13.21	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	29-Apr-09
Time:	11:04		
Service Type:	Service Call	Technician:	DP
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1350
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1350	11:24	15		0
1350	11:24	16		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stopped reporting.

Action Taken: RF OK. Reports with test button. Reprogrammed without data logging. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fire Station 13	Date:	29-Apr-09
Service Type:	Service Call	Technician:	DP
			Time: 10:07
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
1370	10:53	6		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Over reporting.

Action Taken: Transmitter program had defaulted/corrupted. Reset program for TB operation and battery reporting. Also adjusted TB switch to avoid possible "bounce" reports. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Fire Station 13**Date: **17-Feb-09**Time: **12:54**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TX N 3102	1370
TB S 0301	1370
BY R 0902	1370

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1370**
 Jumpers:
 Eprom: **9601-01-90 v. 3.9M**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1370	13:10	8		0
1370	13:10	9		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0902	13.12	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Ferril Lake

Date: 13-May-09

Time: 11:01

Service Type: Inspection

Technician: DP

Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem:**Action Taken:** RF OK. Solar OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Upper Sloan**Date: **13-Mar-09**Time: **11:58**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 15786	1400
TB J 18549	1400
BY R 0901	1400

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1400-3-0**
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.2**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1400	12:09	1		0
1400	12:11	2		0
1403	12:05	1122	5.07 psi	1114
1403	12:06	460	2.07 psi	456

Battery Tests

Battery #	V Quiescent	V Load
BY R 0901	13.22	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Diamond Hill** Date: **13-May-09** Time: **11:39**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0946	1420
BY R 0411	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1420**
 Jumpers:
 Eprom: **9601-01-81 Ver 3.5**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1420	11:58	420		0
1420	11:58	421		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0946	13.07	

Problem:

Action Taken: Replaced battery and desiccant in trx. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 12:01 ID 1421raw = 21 => 21% RH,m ID 1422 raw = 108 => 68 deg.F, psychrometer readings Td = 69 deg.F, Tw = 50 eg.F implying RH = 26% and dp = 33 deg.F.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Elbert Wx** Date: **04-Mar-09** Time: **9:46**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0425	1440
BY R 0805	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers: **W4, W10 2-3**
Eprom: **555 4.01**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1440	10:05	464		0
1440	10:05	465		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0425	13.23	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. @ 10:00 ID 1441 raw =13 => 13% RH, ID 1442 raw = 101 => 61deg.F, psychrometer readings Td = 62 deg.F, Tw = 42 deg.F implying RH= 15% and dp = 14 deg.F. Note: no water in standpipe, left txr suspended anyway.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Urban Farm**Date: **02-Mar-09**Time: **9:54**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0402	1460
BY R 0343	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power: **4.5**Rev Power: **0.0**SWR: **1.1****Test Transmission**

Port	Time	Count	Measure	Predicted
1460	10:14	921		0
1460	10:16	922		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0402	13.21	

Problem:

Action Taken: Replaced battery and desiccant in trr. RF OK. Solar OK. TB. OK. @ 10:01 ID 1461 raw = 169 =>16.9% RH, ID 1462 raw = 932 => 53.2 deg. F, psychrometer readings Td = 54 deg.F, Tw = 38 deg. F implying RH = 19% and dp = 13 deg.F. Wind sensor rotating freely.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **DIA @ Third Creek** Date: **06-May-09** Time: **10:28**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 27311	1480
BY R 0241	1480

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1483	0.012	-0.0181	0.0139
1484	0.011	-0.0025	0.0052

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
1480	12:23	1		0
1480	12:23	2		0
1483	11:08	1793	9.08 psi	2180
1483	11:08	1482	7.47 psi	1812
1483	11:09	1031	5.21 psi	1296
1483	11:10	681	3.44 psi	891
1483	11:11	239	1.21 psi	381
1483	11:12	1075	5.45 psi	1077
1483	11:13	443	2.24 psi	442
1484	12:11	1846	9.02 psi	2038
1484	12:12	1445	7.06 psi	1594
1484	12:13	1046	5.10 psi	1151
1484	12:14	628	3.07 psi	691
1484	12:15	273	1.34 psi	300

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed HSE txr, and signal conditioning modules for the PT's and calibrated. Rewired TB and solar connectors for txr. RF OK. TB OK. Replaced desiccant in vent tubes.
 {Auto Entry: Calibrated sensor 1483 by linear regression. Modified calibration data. New calibration [Slope(0.0117), Calibration Offset(-0.0181), Std Error(0.0139), Calibration Date(5/6/2009 11:11:45 AM)]}.

{Auto Entry: Calibrated sensor 1484 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.0025), Std Error(0.0052), Calibration Date(5/6/2009 12:16:05 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Powers Park

Date: 02-Apr-09

Time: 10:45

Service Type: Start Up

Technician: DP/SB

Status: OK

Configuration Changes

Part #	Location
TX J 11033	1500
TB J 18572	1500
BY R 0836	1500

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1503	0.012	-0.0091	0.0047

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: 1500-00E
Jumpers: C:J6,1-2,J3,5off;L:J8,9,1-2
Eprom: R1.8 57FE
Tx Freq: 169.525
Rx Freq:
Fwd Power: 4.5
Rev Power: 0.1
SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
1500	11:10	1		0
1500	11:10	2		0
1503	11:00	1796	9.23 psi	1675
1503	11:01	1369	7.04 psi	1277
1503	11:01	982	5.04 psi	914
1503	11:02	599	3.08 psi	557
1503	11:02	208	1.07 psi	193
1503	11:03	981	5.04 psi	978
1503	11:04	415	2.13 psi	414

Battery Tests

Battery #	V Quiescent	V Load
BY R 0836	13.11	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT testsvhigh, adjusted zero point and recalibrated, repeatability Ok, good hydraulic contact. RF OK. TB OK. {Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0119), Calibration Offset(-0.0091), Std Error(0.0047), Calibration Date(4/2/2009 11:02:40 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	28-May-09
Time:	14:42	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP/MZ

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
1523	15:12	1203	5.29 psi	1218	
1523	15:13	490	2.08 psi	478	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Correct PT settings/program.

Action Taken: Corrected preprogram PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Marston Lake** Date: **02-Apr-09** Time: **9:55**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **PT Down**

Configuration Changes

Part #	Location
BY R 0248	1520

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1520-0012-1112-11011**
 Jumpers: **J4 J10**
 Eprom: **AB-SP09**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1520	10:22	1		0
1520	10:23	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Reinstalled backplane with different CR10xX canister. PT tests high (145 counts @ 0 pressure), no adjustment possible, left disconnected. Solar Ok. RF OK. TB OK. AT/RH OK, too cold for psychrometer readings.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	08-Apr-09
Time:	13:29	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not receiving.

Action Taken: Antenna not connected, reconnected, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	13-Mar-09
		Time:	14:07
Service Type:	Start Up	Technician:	DP/SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 147	1530
TB S 0205	1530
BY R 0936	1530

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1530
Jumpers:	
Eprom:	9601-01-N Ver 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
1530	14:22	1		0
1530	14:23	2		0
1533	14:19	1139	5.08 psi	1122
1533	14:20	441	2.06 psi	439

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0936	13.22	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK. PT tests OK, good hydraulic contact. @ 14:22 ID 1533 raw = 171 = 2.59, tape = 2.29, enc = 2.29.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Morrison <94

Date: 23-Mar-09

Time: 10:34

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX J 18535	1550
TB J 3976	1550
BY R 0332	1550

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power: 4.6

Rev Power: 0.0

SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
1550	10:48	1		0
1550	10:48	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0332	13.06	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lakewood Gulch** Date: **13-Mar-09** Time: **12:48**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0911	1560

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1560-00E**
 Jumpers: **C:J6,1-2,J3+5off**
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1563	12:53	997	5.03 psi	1009
1563	12:54	406	2.02 psi	407

Battery Tests

Battery #	V Quiescent	V Load
BY R 0911	13.22	

Problem:

Action Taken: Installed battery and desiccant in enclosure. RF OK. PT tests OK, good hydraulic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Englewood Dam** Date: **15-Apr-09** Time: **10:03**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **PT Down**

Configuration Changes

Part #	Location
TX J 23967	1600
TB J 8373	1600
PT D 2605640	1600
BY R 0925	1600
PT D 1740143	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1600-3-0**
 Jumpers: **C:J6,1-2,J3,5 off; L:J9,19**
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1600	12:45	1		0
1600	12:46	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem: Mast missing, PT bad.

Action Taken: Replaced mast box and antenna. Installed txr. battery, desiccant and TB. Could not pull new PT, conduit plugged at PVC to conduit junction on lower end. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	25-Mar-09
Time:	11:08	Service Type:	Service Call
Technician:	DP/SP	Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Mast and antenna have been broken off. Antenna cable needed from polyphasor out.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	25-Mar-09
Service Type:	Start Up	Technician:	DP/SP
			Time: 11:23
			Status: OK

Configuration Changes	
Part #	Location
TX J 19660	1610
BY R 0323	1610

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance		
Switches:	1610-3-0	00E
Jumpers:	JB 3-5 off	
Eprom:	R 1.8	9CA1
Tx Freq:	169.525	
Rx Freq:		
Fwd Power:	4.6	
Rev Power:	0.0	
SWR:	1.1	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	11:41	1057	4.96 psi	1039	
1613	11:42	459	2.06 psi	441	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0323	12.95	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. stabilised conduit between mast and standpipe(PVC), antenna cable abraded.

Site Notes:

Follow-Up: Check antenna cable.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	02-Apr-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 11:18
			Status: OK

Configuration Changes	
Part #	Location
TX J 8694	1620
TB J 18576	1620
BY R 0823	1620

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1620-00E
Jumpers:	C:J6,1-2,J3,5off;L:J8,9,1-2
Eprom:	R1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1620	11:33	1		0
1620	11:34	2		0
1623	11:25	1408	5.76 psi	1393
1623	11:26	501	2.05 psi	500

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0823	12.99	

Problem:

Action Taken: ilnstalled txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	20-Jan-09
Service Type:	Inspection	Technician:	DP/SB
			Time: 11:48
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: ID 1629 @ 11:51 raw = 2044 => 1.72, tape = 1.77.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **S Platte @ Dart**Date: **13-May-09**Time: **12:39**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0943	1630
BY R 0405	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1630-1950-0072-11011**
Jumpers: **JB1&4 off, JB2&3 on**
Eprom: **C**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0943	13.05	

Problem:

Action Taken: Replaced battery and desiccant in trx. RF OK. @ 12:50 ID 1629 raw = 50 => 2.36, tape = 2.21. Adjusted shaft encoder to match closer to tape reading. CDWR log from 4/27/09 @ 13:00 IG = 2.99, logger = 2.98, OG = 3.00.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **SPR at Union Ave.**Date: **13-May-09**Time: **13:08**Service Type: **Inspection**Technician: **DP**Status: **Site Down****Configuration Changes**

Part #	Location
CE A001	9000
BY J 0406	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Retrieved txr, disconnected from new USGS Satlink equipment.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	20-Jan-09
Time:	11:31		
Service Type:	Inspection	Technician:	DP/SB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	11:35	21		0
1640	11:36	22		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:
Action Taken: TB OK.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	20-Jan-09
Time:	12:13	Service Type:	Inspection
Status:	OK	Technician:	DP/SB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:14 ID 1649 raw = 335 => 3.32, ENC = 3.25. CDWR log from 1/16/09 @ 13:53 tape = 3.27, pen = 3.27, enc = 3.27.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR at 19th Street** Date: **13-May-09** Time: **11:21**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0807	1650
BY R 0215	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers: **JB1off,JB2on,JB3on,Jb4o**
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0807	12.96	

Problem:

Action Taken: Replaced battery and desiccant in trx. @ 11:23 ID 1649 raw = 377 => 3.74, tape = 3.68, enc = 3.68. CDWR log from 5/7/09 @14:12 tape = 4.22, outside = 4.26, pen = 4.22,enc = 4.23. RF OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	03-Mar-09
Time:	10:27		
Service Type:	Inspection	Technician:	DP/SB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 0222	1660
BY R 0509	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	10:39	11		0
1660	10:39	12		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0222	12.97	

Problem:

Action Taken: Replaced battery and desiccant in trxr. RF OK. @ 10:30 ID 1659 raw = 439 => 4.39, tape = 4.46, ENC = 4.46. TB OK.

Site Notes: GPS N 39 55.301 W 104 52.097

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	20-Jan-09
		Time:	8:58
Service Type:	Inspection	Technician:	DP/SB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	9:16	9		0
1660	9:16	10		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Cleaned and static calibrated TB, OK. Reset shaft encoder to match tape, was 4.01 now 4.41. ID 1659 raw = 441 => 4.41, tape = 4.47, enc = 4.47. CDWR log from 1/16/09 @ 11:09 tape =4.47, outside = 4.51, pen = 4.47, enc = 4.47

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **15-May-09** Time: **9:37**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **Site Down**

Configuration Changes

Part #	Location
BY J 0906	1700
BY EPJ 0201	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY J 0906	13.05	

Problem:

Action Taken: Attempted to reprogram Sutron 8200, still not communicating with serial txr.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Shop Creek**Date: **16-Feb-09**Time: **11:45**Service Type: **Start Up**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
TB J 21330	1710
BY R 0825	1710

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **1710-0012-0112-11011**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1710	11:58	0		0
1710	11:58	1		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0825	13.02	

Problem:**Action Taken:** Installed battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck/Steele** Date: **24-Mar-09** Time: **11:58**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 21423	1720
TB H 551	1720
BY R 0337	1720

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1723	0.012	-0.047	0.0132

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1720-0012-1112-11011**
Jumpers: **W4,W10**
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **44.5**
Rev Power: **0.0**
SWR: **1.03**

Test Transmission

Port	Time	Count	Measure	Predicted
1720	12:32	1		0
1720	12:32	2		0
1723	12:16	1726	9.19 psi	1646
1723	12:17	1319	7.01 psi	1256
1723	12:18	943	5.00 psi	897
1723	12:19	577	3.05 psi	548
1723	12:20	203	1.07 psi	194
1723	12:22	937	4.98 psi	937
1723	12:23	381	2.02 psi	382

Battery Tests

Battery #	V Quiescent	V Load
BY R 0337	13.07	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests high, recalibrated, repeatability OK. No hydraulic contact, intake frozen, siphoned riser and cleared intake end. RF OK. TB OK.
{Auto Entry: Calibrated sensor 1723 by linear regression. Modified calibration data. New calibration [Slope(0.0123), Calibration Offset(-0.0470), Std Error(0.0132), Calibration Date(3/24/2009 12:20:46 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek Park

Date: 11-Mar-09

Time: 8:33

Service Type: Start Up

Technician: DP/SB

Status: PT Down

Configuration Changes

Part #	Location
TX J 19661	1800
TB J 19639	1800
BY R 0939	1800

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1800-E00
 Jumpers: C: JB1,3,5 off JB 9,10 - 1,2
 Eprom: R1.8 9CA1
 Tx Freq: 169.525
 Rx Freq: 171.875
 Fwd Power: 4.6
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
1800	9:18	2		0
1800	9:18	3		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, descent, and TB. RF ok. TB ok. PT dead. Will leave up as rain only until it can be replaced.

Site Notes:

Follow-Up: Fix Pull 90

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sand Creek Park** Date: **31-Mar-09** Time: **11:09**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 2575183	1800
PT D 1694481	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1803	0.011	0.016	0.0049

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
1800	12:32	14		0
1800	12:34	15		0
1803	12:23	1836	8.99 psi	1837
1803	12:23	1446	7.09 psi	1448
1803	12:24	1066	5.22 psi	1068
1803	12:24	472	2.32 psi	474
1803	12:25	191	0.94 psi	193
1803	12:27	1135	5.57 psi	1135
1803	12:28	490	2.41 psi	490

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: {Auto Entry: Calibrated sensor 1803 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0160), Std Error(0.0049), Calibration Date(3/31/2009 12:25:59 PM)]}.

Put in new PT.and .calibrated Good hydraulic contact. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	13-Mar-09
Time:	8:56	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP/SB

Configuration Changes	
Part #	Location
BY J 0905	1810

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	44.0
Rev Power:	0.0
SWR:	1.03

Test Transmission				
Port	Time	Count	Measure	Predicted
1810	9:01	568		0
1810	9:04	569		0

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0905	13.15	

Problem: Rain reports missing 7 days.

Action Taken: Replaced battery and desiccant in txr. RF OK. TB reports when tipped, OK. Will monitor 24 hr reporting.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	20-Jan-09
Service Type:	Inspection	Technician:	DP/SB
		Time:	10:09
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
1810	10:11	563		0
1810	10:13	564		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:
Action Taken: TB OK.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Niver Detention**Date: **03-Mar-09**Time: **11:15**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 25153	1900
TB J 10735	1900
BY R 0909	1900

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1900-00E**
 Jumpers: **C:J6,1-2,J3,J5 off; L:J9,10**
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1900	11:33	1		0
1900	11:34	2		0
1903	11:27	897	4.95 psi	900

Battery Tests

Battery #	V Quiescent	V Load
BY R 0909	13.10	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	03-Mar-09
Service Type:	Inspection	Technician:	DP/SB
		Time:	9:51
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0418	1920
BY R 0301	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1920
Jumpers:	
Eprom:	9601-01-N Ver 3.5R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
1920	10:09	537		0
1920	10:10	538		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0418	13.21	

Problem:

Action Taken: Replaced battery and desiccant in trr. RF OK. Solar OK. @ 10:01 ID 1921 raw = 46 = 18.04% RH, ID 1922 raw = 150 => 70 deg.F, psychrometer readings Td = 70 deg.F, Tw = 50 deg.F impling RH = 24% and dp = 32 deg.F. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hiwan	Date:	03-Apr-09
Service Type:	Inspection	Technician:	DP/SP
		Time:	9:23
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	555 V3.01
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	6.2
Rev Power:	0.0
SWR:	1.08

Test Transmission				
Port	Time	Count	Measure	Predicted
2210	9:26	292		0
2210	9:27	293		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Solar OK. RF OK. TB OK. AT/RH OK, too cold for accurate psychrometer readings.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	03-Apr-09
Service Type:	Inspection	Technician:	DP/SP
		Time:	10:57
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0415	2220
BY R 9595	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2220-0002-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
2223	11:10	1144	5.09 psi	1138	
2223	11:11	459	2.03 psi	461	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0415	13.10	

Problem:

Action Taken: Replaced battery and desiccant in trx. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RFOK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Cub	Date:	03-Apr-09
Service Type:	Start Up	Technician:	DP/SP
			Time: 10:21
			Status: OK

Configuration Changes	
Part #	Location
TX J 25158	2230
TB H 635	2230
BY R 0822	2230

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2230-0012-1112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2230	10:41	7		0
2230	10:44	8		0
2233	10:35	1128	5.09 psi	1121

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0822	12.98	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in vent box. PT tests OK, good hydraulic contact. TB jammed/replaced, OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Cold Spring Glch

Date: 03-Apr-09

Time: 13:53

Service Type: Start Up

Technician: DP/SP

Status: OK

Configuration Changes

Part #	Location
TX J 25150	2240
TB H 570	2240
BY R 0312	2240

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 2240-0012-1112-11011
 Jumpers: W10,W4
 Eprom: B
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.5
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
2240	14:05	1		0
2240	14:05	2		0
2243	14:02	1079	5.26 psi	1086
2243	14:03	419	2.03 psi	421

Battery Tests

Battery #	V Quiescent	V Load
BY R 0312	12.96	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rosedale	Date:	03-Apr-09
Service Type:	Start Up	Technician:	DP/SP
		Time:	9:47
		Status:	OK

Configuration Changes	
Part #	Location
TX J 21421	2250
TB H 552	2250
BY R 0404	2250

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2250-0012-1112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2250	10:04	4		0
2250	10:08	5		0
2253	9:58	433	2.03 psi	438

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced battery in vent box. RF OK. TB OK. PT tests OK, intake frozen,.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Brook Forest**Date: **03-Apr-09**Time: **11:58**Service Type: **Start Up**Technician: **DP/SP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25149	2260
TB H 9401	2260
BY R 0226	2260

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2260-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **44.7**
 Rev Power: **0.0**
 SWR: **1.03**

Test Transmission

Port	Time	Count	Measure	Predicted
2260	12:03	3		0
2260	12:07	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0226	13.18	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cub Ck below Blue** Date: **05-May-09** Time: **10:54**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2270-0012-1112-11011**
 Jumpers: **W10,W4**
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2270	11:06	88		0
2270	11:07	89		0

Battery Tests

Battery #	V Quiescent	V Load

Problem: irregular reporting.

Action Taken: RF OK. TB OK. PT has good hydraulic contact. Problem may be with Smoky rprr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cub Ck below Blue	Date:	03-Apr-09
Service Type:	Start Up	Technician:	DP/SP
			Time: 11:31
			Status: OK

Configuration Changes	
Part #	Location
TX J 25146	2270
TB H 568	2270
BY R 0318	2270

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2270-0012-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2270	11:44	1		0
2270	11:44	2		0
2273	11:40	1053	5.10 psi	1053
2273	11:41	422	2.04 psi	422

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0318	12.96	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. RF OK. TB OK. PT tests OK, intake frozen over.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Kinney Peak**Date: **03-Apr-09**Time: **12:40**Service Type: **Start Up**Technician: **DP/SP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25157	2280
TB H 561	2280
BY R 0315	2280

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2280-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2280	13:02	1		0
2280	13:03	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0315	13.06	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Genesee Village**Date: **03-Apr-09**Time: **8:35**Service Type: **Start Up**Technician: **DP/SP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25156	2310
TB H 514	2310
BY R 0327	2310

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2310-0012-0112-11011**
Jumpers:
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2310	8:46	1		0
2310	8:47	2		0
2310	8:47	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0327	12.94	

Problem:**Action Taken:** installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Choke Cherry Res	Date:	05-May-09
		Time:	10:14
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Status:	OK

Configuration Changes	
Part #	Location
BY K 0810	2320
BY K 0002	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	2320 J
Tx Freq:	169.525
Rx Freq:	169.525
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2320	10:24	1320		0
2320	10:24	1321		0

Battery Tests		
Battery #	V Quiescent	V Load
BY K 0810	12.95	

Problem: Battery declining slowly.

Action Taken: Replaced battery and desiccant in rptr. RF OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Choke Cherry Res	Date:	03-Apr-09
Service Type:	Inspection	Technician:	DP/SP
		Time:	8:49
		Status:	Incomplete

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Too much snow.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	03-Apr-09
Service Type:	Inspection	Technician:	DP/SP
			Time: 14:39
			Status: OK

Configuration Changes	
Part #	Location
BY R 0507	2330
BY R 0413	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2330-00E
Jumpers:	C:J1,1-2,J3,5on;L:J1,4,6,1
Eprom:	R 1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2330	14:50	97		0
2330	14:50	98		0
2333	14:46	1210	5.17 psi	1205
2333	14:47	488	2.06 psi	481

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0507	12.98	

Problem:

Action Taken: Replaced battery and desiccant in trr. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: El Rancho

Date: 03-Apr-09

Time: 8:59

Service Type: Start Up

Technician: DP/SP

Status: OK

Configuration Changes

Part #	Location
TX J 18531	2340
TB J 2532	2340
BY R 0914	2340

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 2340-3-D
 Jumpers: C:J6,1-2,J5off;L:J9,10,1-2,
 Eprom: R 1.8 9CA1
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.5
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
2340	9:09	1		0
2340	9:10	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0914	13.21	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	El Rancho	Date:	10-Apr-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	10:51
		Status:	OK

Configuration Changes	
Part #	Location
TX J 23326	2340
TX J 18531	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2340-3-D
Jumpers:	C:J6,1-2,J5off;L:J9,10,1-2,
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2340	11:14	1		0
2340	11:14	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not reporting.

Action Taken: Tx power at about 3 watts, replaced txr, 4.7 watts. RF OK. TB OK, verified received at base station.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Idledale**Date: **03-Apr-09**Time: **14:16**Service Type: **Start Up**Technician: **DP/SP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25147	2350
TB H 553	2350
BY R 0511	2350

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2350-0012-0112-11011**
Jumpers:
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2350	14:25	1		0
2350	14:26	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Indian Hills**Date: **03-Apr-09**Time: **13:30**Service Type: **Start Up**Technician: **DP/SP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25152	2360
TB H 467	2360
BY R 0412	2360

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2360-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2360	13:40	1		0
2360	13:40	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0412	13.21	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Red Rocks

Date: 03-Apr-09

Time: 14:58

Service Type: Start Up

Technician: DP/SP

Status: OK

Configuration Changes

Part #	Location
TX J 25148	2370
TB H 560	2370
BY R 0211	2370

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 2370-0012-1112-11011
 Jumpers:
 Eprom: B
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.7
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
2370	15:10	4		0
2370	15:11	6		0
2373	15:08	1067	5.03 psi	1070
2373	15:09	444	2.03 psi	446

Battery Tests

Battery #	V Quiescent	V Load
BY R 0211	12.98	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in vent box. PT tests OK, good hydraulic contact. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Crescent Rain	Date:	20-Apr-09
		Time:	14:48
Service Type:	Inspection	Technician:	SB
		Status:	

Configuration Changes	
Part #	Location
BY R 0627	4010
BY R 0401	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4010
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.0
SWR:	1.09

Test Transmission				
Port	Time	Count	Measure	Predicted
4010	15:08	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0627	12.96	

Problem:

Action Taken: Replaced Battery and Dessicent. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rio Grande Rain	Date:	23-Apr-09
Service Type:	Inspection	Technician:	SB
			Time: 13:20
			Status:

Configuration Changes	
Part #	Location
BY R 0317	4020
BY R 0824	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4020-00E
Jumpers:	C:J5 off
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	25.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4020	13:50	1		0
4020	13:50	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0317	12.99	

Problem:

Action Taken: Replaced battery and desiccant. RF OK. TB OK. TXR OK. Replaced top screen in TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Red Garden Rain** Date: **07-Jan-09** Time: **10:28**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0807	4030
BY R 0823	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2175	5.00	226	2.5	

Settings and Performance

Switches: **4030-00e**
Jumpers: **C: J5 off**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.2**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4030	10:53	1		0
4030	10:53	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Benched txr. RF OK. Cleaned and static calibrated TB, OK

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Red Garden Rain**Date: **24-Apr-09**Time: **11:52**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BY R 0807	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **4030-00e**
 Jumpers: **C: J5 off**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4030	12:12	1		0
4030	12:12	1		0
4030	12:13	2		0
4030	12:13	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0807	12.80	

Problem:**Action Taken:** Replaced battery and desiccant. TXR OK. TB Ok. RF OK.**Site Notes:****Follow-Up:** Bring top screen for TB.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Martin Gulch**Date: **04-Jun-09**Time: **10:30**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0310	4040
BY R 0804	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and PerformanceSwitches: **4040-00E**

Jumpers:

Eprom:

Tx Freq: **169.500**

Rx Freq:

Fwd Power: **22.0**Rev Power: **0.2**SWR: **1.21****Test Transmission**

Port	Time	Count	Measure	Predicted
4040	10:44	1		0
4040	10:44	2		0
4040	10:48	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0310	12.95	

Problem:**Action Taken:** Rep[la]ced battery and desiccant in txr. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Walker Ranch

Date: 23-Apr-09

Time: 16:03

Service Type: Inspection

Technician: SB

Status:

Configuration Changes

Part #	Location
BY R 9595	4050
BY R 0218	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 4050-00E
 Jumpers:
 Eprom:
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 5.0
 Rev Power: 0.0
 SWR: 1.09

Test Transmission

Port	Time	Count	Measure	Predicted
4050	16:15	1		0
4050	16:16	5		0
4050	16:17	6		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 9595	12.80	

Problem:**Action Taken:** Replaced battery and desiccant. TXR OK. TB OK. RF OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lakeshore

Date: 23-Apr-09

Time: 15:22

Service Type: Inspection

Technician: SB

Status:

Configuration Changes

Part #	Location
BY R 0509	4060
BY R 0345	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: 4060-00E
 Jumpers:
 Eprom:
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 18.0
 Rev Power: 0.1
 SWR: 1.16

Test Transmission

Port	Time	Count	Measure	Predicted
4060	15:40	1		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0509	13.16	

Problem:**Action Taken:** Replaced battery and desiccant. Funnel Clogged. Cleaned. RF OK. TB OK. TXR OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Peak	Date:	24-Apr-09
Service Type:	Inspection	Time:	13:07
		Technician:	SB
		Status:	

Configuration Changes	
Part #	Location
BY R 0908	4070
BY R 0828	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	07
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	22.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4070	13:34	1		0
4070	13:35	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0908	12.67	

Problem:

Action Taken: Replaced battery and desiccant. TB OK. RF OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Twin Sisters	Date:	04-Jun-09
Service Type:	Inspection	Technician:	DP
			Time: 12:32
			Status: OK

Configuration Changes	
Part #	Location
BY R 0218	4080
BY R 0845	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4080-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	28.0
Rev Power:	0.3
SWR:	1.23

Test Transmission				
Port	Time	Count	Measure	Predicted
4080	12:43	1		0
4080	12:44	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0218	12.95	

Problem:

Action Taken: Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.

Site Notes: Call 303-442-4294 in advance for gate "reduction" notice

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Magnolia	Date: 04-Jun-09	Time: 13:20	
Service Type: Inspection	Technician: DP	Status: OK	

Configuration Changes	
Part #	Location
BY R 0810	4090
BY R 0303	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	09
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
4090	13:39	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0810	13.12	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK TB OK.Solar is bad, will replace at mid season inspection.

Site Notes:

Follow-Up: Replace solar panel.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Filter Plant**Date: **04-Jun-09**Time: **14:44**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0348	4100
BY R 0436	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4100-E00**
 Jumpers: **JB7 on**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4100	14:52	1		0
4100	14:53	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0348	13.07	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Betasso** Date: **04-Jun-09** Time: **14:11**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0947	4110
BY R 0636	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **.1**
 Jumpers: **JB5 off,JB7 on**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.4**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4110	14:25	1		0
4110	14:25	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0947	13.12	

Problem:

Action Taken: Replaced battery and desiccant in txx. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Swiss Peaks**Date: **04-May-09**Time: **11:21**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BY R 0811	4130
BY R 0637	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4130**
 Jumpers: **JB5 off,JB7 on**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0811	13.06	

Problem:**Action Taken:** Replaced battery and Desiccant. RF OK. TB OK. TXR OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Logan Mill**Date: **21-Apr-09**Time: **12:54**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BY R 0413	4140
BY R 0846	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4140-00E**
 Jumpers: **C:J5 off; L:J7,11 on**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **25.0**
 Rev Power: **0.1**
 SWR: **1.14**

Test Transmission

Port	Time	Count	Measure	Predicted
4140	13:06	394		0
4140	13:07	395		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0413	13.20	

Problem:**Action Taken:** Changed battery and desiccant. TB Ok. TXR OK. RF OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill	Date:	04-May-09
Service Type:	Inspection	Technician:	SB
			Time: 13:21
			Status:

Configuration Changes	
Part #	Location
BY R 0813	4150
BY R 0802	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	15
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4150	13:31	1		0
4150	13:32	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0813	13.24	

Problem:

Action Taken: Replaced battery and desiccant. RF OK. TXR OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill	Date:	21-Apr-09
Service Type:	Inspection	Technician:	SB
			Time: 13:42
			Status:

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0317	12.93	

Problem:

Action Taken: Could not reach in the snow.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Gold Hill**Date: **06-Jan-09**Time: **11:14**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0802	4150
BY R 0829	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9762	5.00	212	2.5	

Settings and Performance

Switches: **15**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **14.0**
Rev Power: **0.0**
SWR: **1.05**

Test Transmission

Port	Time	Count	Measure	Predicted
4150	11:28	1		0
4150	11:29	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0802	13.03	

Problem:**Action Taken:** Replaced battery and desiccant in txr. Benched txr. RF OK Cleaned and static calibrated TB, OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Sunshine	Date: 04-May-09	Time: 13:56	
Service Type: Inspection	Technician: SB	Status:	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4160
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4160	14:14	1		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced Battery and Desiccant. RF OK. TB OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sunshine** Date: **06-Jan-09** Time: **10:35**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0816	4160
BY R 0831	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8767	5.00	232	2.5	

Settings and Performance

Switches: **4160**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4160	10:53	1		0
4160	10:53	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0816	13.02	

Problem:

Action Taken: Replaced battery and desiccant in txr. Benched txr. RF OK. Cleaned and static calibrated TB, OK

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Pinebrook

Date: 06-Feb-09

Time: 12:08

Service Type: Inspection

Technician: DP

Status: OK

Configuration Changes

Part #	Location
BY R 0244	4170
BY R 0314	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2177	5.00	210	2.5	

Settings and Performance

Switches: 4170-00E
Jumpers:
Eprom:
Tx Freq: 169.500
Rx Freq:
Fwd Power: 5.2
Rev Power: 0.1
SWR: 1.32

Test Transmission

Port	Time	Count	Measure	Predicted
4170	12:27	1		0
4170	12:27	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0244	13.03	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. TB OK. Benched txx.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Pinebrook

Date: 11-May-09

Time: 14:54

Service Type: Inspection

Technician: DP/SB

Status: OK

Configuration Changes

Part #	Location
BY R 0816	4170
BY R 0244	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 4170-00E
 Jumpers:
 Eprom:
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 5.0
 Rev Power: 0.1
 SWR: 1.33

Test Transmission

Port	Time	Count	Measure	Predicted
4170	15:08	1		0
4170	15:08	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0244	12.95	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Pinebrook	Date:	07-Jan-09
Service Type:	Inspection	Technician:	DP
		Time:	12:43
		Status:	Incomplete

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Unable to access due to construction on new house.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gold Lake** Date: **18-May-09** Time: **12:08**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 27312	4180
BY R 0944	4180
TX J 21422	9000
BY R 0320	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0918**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **20.0**
Rev Power: **0.0**
SWR: **1.05**

Test Transmission

Port	Time	Count	Measure	Predicted
4180	13:27	1		0
4180	13:28	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0849	12.94	

Problem:

Action Taken: Txr shorted out, removed PA and installed in new txr. Reinstalled with battery and desiccant.RF OK. TB OK. Solar OK. Cause was solar leads shorting at regulator, corrected.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Slaughterhouse**Date: **20-May-09**Time: **12:56**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0828	4190
BY R 0344	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0F19**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **22.0**
Rev Power: **0.2**
SWR: **1.21**

Test Transmission

Port	Time	Count	Measure	Predicted
4190	13:15	1		0
4190	13:24	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0828	13.12	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Lazy Acres**Date: **21-Apr-09**Time: **14:45**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BY R 9735	4200
BY R 0813	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4200-E00**
Jumpers: **JB5 off, JB7 on**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.8**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4200	14:55	1		0
4200	14:57	2		0
4200	14:57	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 9735	12.90	

Problem:**Action Taken:** Replaced Battery and desiccant. TXR ok. TB ok. RF ok.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Repeater	Date:	12-Mar-09
Time:	9:13	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP/SB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: No reports at UDFCD, getting data at OneRain.

Action Taken: Found bad cable from rptr to power amp, replaced, verified output.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Flings**Date: **21-Jan-09**Time: **11:27**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0505	4220
BY R 0427	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8758	5.00	225	2.5	

Settings and Performance

Switches: **0A22**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **20.0**
Rev Power: **0.8**
SWR: **1.5**

Test Transmission

Port	Time	Count	Measure	Predicted
4220	11:52	1		0
4220	11:52	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0505	13.25	

Problem:**Action Taken:** Replaced battery and desiccant in txx. Benched txx. RF OK. TB ok.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flings	Date:	22-Apr-09
Service Type:	Inspection	Technician:	SB
			Time: 11:21
			Status:

Configuration Changes	
Part #	Location
BY R 0311	4220
BY R 0505	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0A22
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	22.0
Rev Power:	1.0
SWR:	1.54

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0311	12.76	

Problem:

Action Taken: Replaced battery and desiccant. TXR OK. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Golden Age**Date: **21-May-09**Time: **12:40**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0621	4230
BY R 0220	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **4230-00E**
 Jumpers:
 Eprom: **R1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **26.0**
 Rev Power: **0.1**
 SWR: **1.13**

Test Transmission

Port	Time	Count	Measure	Predicted
4230	13:08	3		0
4230	13:09	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0621	13.10	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. TB OK. Solar OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sunset** Date: **06-Jan-09** Time: **11:50**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0631	4240
BY R 0847	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9761	5.00	267	2.5	

Settings and Performance

Switches: **4240-00E**
 Jumpers: **C:J5 off L:J7,11**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **20.0**
 Rev Power: **0.0**
 SWR: **1.05**

Test Transmission

Port	Time	Count	Measure	Predicted
4240	12:06	1		0
4240	12:06	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0631	12.98	

Problem:

Action Taken: Replaced battery and desiccant in txr. Benched txr. RF OK. Cleaned and static calibrated TB, OK

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Sunset**Date: **11-May-09**Time: **13:46**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0611	4240
BY R 0631	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **4240-00E**
 Jumpers: **C:J5 off L:J7,11**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **20.0**
 Rev Power: **0.1**
 SWR: **1.15**

Test Transmission

Port	Time	Count	Measure	Predicted
4240	13:58	4		0
4240	13:58	5		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0611	12.94	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Geer Canyon**Date: **20-May-09**Time: **10:36**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0820	4250
BY R 0434	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4250-00E**
 Jumpers: **C: J6,1-2,J5 off;L:J1,4,7,1**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4250	10:54	1		0
4250	10:54	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Taylor Mountain	Date:	22-Apr-09
		Time:	12:02
Service Type:	Inspection	Technician:	SB
		Status:	

Configuration Changes	
Part #	Location
BY R 0814	4260
BY R 0331	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4260-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.1
SWR:	1.15

Test Transmission				
Port	Time	Count	Measure	Predicted
4260	12:12	0		0
4260	12:12	0		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0814	12.78	

Problem:

Action Taken: Replaced Battery and Desiccant. Solar OK. TB OK. RF OK. TXR Ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cannon Mountain	Date:	21-May-09
Service Type:	Inspection	Technician:	DP
			Time: 11:25
			Status: OK

Configuration Changes	
Part #	Location
BY R 9619	4270
BY R 0626	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.8
Jumpers:	
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.3
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
4270	11:46	1		0
4270	11:46	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9619	12.88	

Problem:

Action Taken: Replaced battery and desiccant in trx. Power amp is dead, but reports are being repeated. RF OK. Solar OK. TB OK.

Site Notes: Gate combo # 1111

Follow-Up: Replace PA.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Red Hill

Date: 20-May-09

Time: 11:24

Service Type: Inspection

Technician: DP

Status: OK

Configuration Changes

Part #	Location
BY R 0307	4290
BY R 0224	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: 4290-00E
 Jumpers: C:J5 off
 Eprom: R 1.8 9CA1
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 20.0
 Rev Power: 0.0
 SWR: 1.05

Test Transmission

Port	Time	Count	Measure	Predicted
4290	11:38	1		0
4290	11:38	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0307	12.98	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Big Elk Park**Date: **11-May-09**Time: **11:00**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0432	4300
BY R 0348	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **0F30**
 Jumpers:
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **18.0**
 Rev Power: **0.2**
 SWR: **1.24**

Test Transmission

Port	Time	Count	Measure	Predicted
4300	11:09	1		0
4300	11:10	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0432	12.94	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Johnny Park**Date: **07-May-09**Time: **12:05**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 9626	4310
BY R 0810	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4310**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **25.0**
Rev Power: **0.5**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
4310	12:15	1		0
4310	12:16	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 9626	12.85	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Riverside** Date: **11-May-09** Time: **11:55**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0921	4340
BY R 0309	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0834**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **18.0**
Rev Power: **0.2**
SWR: **1.24**

Test Transmission

Port	Time	Count	Measure	Predicted
4340	12:04	1		0
4340	12:05	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0921	13.21	

Problem:

Action Taken: Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Conifer Hill**Date: **11-May-09**Time: **12:46**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0349	4350
BY R 144	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0935**
 Jumpers:
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **26.0**
 Rev Power: **0.0**
 SWR: **1.04**

Test Transmission

Port	Time	Count	Measure	Predicted
4350	13:00	1		0
4350	13:00	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Justice Center	Date:	08-May-09
Service Type:	Service Call	Technician:	DP
			Time: 13:58
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Rain alarms, not raining.

Action Taken: Top section with rain gage mounting had broken allowing the wind to roll it around giving false alarms. Reattached top section to vertical pipe on roof with 1 remaining strap and leveled TB.

Site Notes:

Follow-Up: Reenforce mounting with second strap, replace top section screen and seal against wasp intrusion.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	23-Apr-09
Service Type:	Inspection	Technician:	SB
			Time: 14:37
			Status:

Configuration Changes	
Part #	Location
BY R 0847	4370
BY R 0832	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4370-
Jumpers:	C:JB6,2-3,JB3,4,5 off;L:J
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	5.0
Rev Power:	0.0
SWR:	1.09

Test Transmission					
Port	Time	Count	Measure	Predicted	
4373	14:45	1062	5.15 psi	1060	
4373	14:47	389	1.87 psi	384	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0847	12.90	

Problem:

Action Taken: Replaced battery and desiccant in the TXR and signal cond. box. PT OK with good hydrolic contact. TXR OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Eldorado Spring

Date: 24-Apr-09

Time: 11:02

Service Type: Inspection

Technician: SB

Status:

Configuration Changes

Part #	Location
BY R 0827	4380
BY R 0611	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4383	0.011	-0.0636	0.0322

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: 4380-E00
 Jumpers: C:JB6 2-3,JB3,4,5 off;L:J
 Eprom: 57EE
 Tx Freq: 169.500
 Rx Freq: 171.875
 Fwd Power: 4.0
 Rev Power: 0.0
 SWR: 1.11

Test Transmission

Port	Time	Count	Measure	Predicted
4383	11:29	520	2.43 psi	506
4383	11:33	1932	9.11 psi	1895
4383	11:34	1678	7.85 psi	1633
4383	11:35	1288	6.02 psi	1252
4383	11:36	837	3.90 psi	813
4383	11:37	558	2.60 psi	542
4383	11:38	2	0.00 psi	2

Battery Tests

Battery #	V Quiescent	V Load
BY R 0827	12.85	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 4383 by linear regression. Modified calibration data. New calibration [Slope(0.0109), Calibration Offset(-0.0636), Std Error(0.0322), Calibration Date(4/24/2009 11:39:51 AM)]}.

Replaced battery and desiccant in TXR and PT Box. Calibrated PT. PT OK. Good hydraulic contact. RF OK. TXR Ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	07-Jan-09
Service Type:	Inspection	Technician:	DP
			Time: 10:10
			Status: OK

Configuration Changes	
Part #	Location
BY R 0611	4380
BY R 0228	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1859	5.00	154	2.5	

Settings and Performance	
Switches:	4380-E00
Jumpers:	C:JB6 2-3,JB3,4,5 off;L:J
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.0
Rev Power:	0.0
SWR:	1.11

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0611	13.07	

Problem:

Action Taken: Replaced battery and desiccant in trx. Benched trx. Unable to test PT due to ice. Replaced desiccant in sig con box. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	06-Apr-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 10:29
			Status: OK

Configuration Changes	
Part #	Location
TX J 2183	4390
BY R 0920	4390

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4390-B00
Jumpers:	L:JB8,1-2,JB9,10,2-3;C:JB
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0920	13.21	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig cn box. PT tests OK, good hydraulic contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Orodell** Date: **03-Jun-09** Time: **10:58**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0244	4400
BY R 0290	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4400-00E**
Jumpers: **C:J6,2-3 L:J8,1-2;J9,10,2-3**
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4403	11:08	1025	4.96 psi	1024
4403	11:09	428	2.06 psi	428

Battery Tests

Battery #	V Quiescent	V Load
BY R 0244	13.22	

Problem:

Action Taken: Replaced battery and desiccant in trx. Replaced desiccant in sig con box. RF OK. PT tests OK, good hydraulic contact. @ 11:11 ID 4403 raw = 230 => 3.13, tape = 3.02, enc = 3.02. CDWR log from 5/21/09 @ 10:00 tape = 3.08, enc = 3.08, pen = 3.07.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Fourmile**Date: **06-Apr-09**Time: **11:04**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 2182	4410
BY R 0420	4410

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4410-00E**
 Jumpers: **L:JB8,1-2;JB9,10,2-3,JB7**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **4.7**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests OK, intake frozen in.. RF OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	30-Apr-09
Service Type:	OneRain Service Ca	Technician:	DP/SB
			Time: 10:36
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stage not reporting.

Action Taken: Gnd wire loose at sig con module. Replaced BNC connector on antenna.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Bridge**Date: **06-Apr-09**Time: **9:36**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 2176	4420
BY R 0837	4420

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4423	0.011	0.0112	0.015

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **4420-00B**
Jumpers: **C:J6,2-3 L:J8,1-2;J9,10,2-3**
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **1.0**
SWR: **2.78**

Test Transmission

Port	Time	Count	Measure	Predicted
4423	10:03	1838	9.05 psi	1884
4423	10:03	1430	7.07 psi	1480
4423	10:04	1022	5.03 psi	1063
4423	10:04	617	3.03 psi	656
4423	10:04	213	1.06 psi	254
4423	10:05	1091	5.33 psi	1078
4423	10:06	419	2.06 psi	415

Battery Tests

Battery #	V Quiescent	V Load
BY R 0837	12.95	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests low, adjusted zero point and recalibrated, repeatability OK, good hydraulic contact. RF OK.
{Auto Entry: Calibrated sensor 4423 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.0112), Std Error(0.0150), Calibration Date(4/6/2009 10:05:05 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	06-Apr-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 11:39
			Status: OK

Configuration Changes	
Part #	Location
TX J 2687	4430
BY R 0839	4430

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4430-00D
Jumpers:	C:J6,2-3,J3,5off;L:J8,1-2,J
Eprom:	R 1.8 57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0839	13.07	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests OK, intake frozen in.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	06-Apr-09
Service Type:	Start Up	Technician:	DP/SB
			Time: 12:06
			Status: OK

Configuration Changes	
Part #	Location
TX J 2689	4440
BY R 0606	4440

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	12.0
Rev Power:	0.0
SWR:	1.06

Test Transmission				
Port	Time	Count	Measure	Predicted
4443	12:13	1251	5.26 psi	1239

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0606	13.04	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lower Lefthand	Date:	03-Jun-09
Service Type:	Inspection	Technician:	DP
			Time: 10:16
			Status: OK

Configuration Changes	
Part #	Location
BY R 0223	4450
BY R 0618	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4453	10:26	1002	5.06 psi	983	
4453	10:27	398	2.08 psi	401	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0223	13.14	

Problem:

Action Taken: Replaced battery and desiccant in trx. Replaced desiccant in sig con box, RF OK. PT tests OK, good hydraulic contact. Sutron and taperead 2.01 @ 10:29 ID 4453 raw = 237 => 2.77.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **S. St. Vrain at Berry R** Date: **06-Apr-09** Time: **13:59**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 2174	4460
BY R 0429	4460

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4460-B00**
 Jumpers: **C:J6,2-3,J3,4,5 off;L:J8,1-**
 Eprom: **57EE**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4463	14:06	1203	5.09 psi	1210
4463	14:07	536	2.28 psi	542

Battery Tests

Battery #	V Quiescent	V Load
BY R 0429	12.96	

Problem:

Action Taken: Installed txr, battery and desiccant. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Little Narrows**Date: **06-Apr-09**Time: **13:00**Service Type: **Inspection**Technician: **DP/SB**Status: **PT Down****Configuration Changes**

Part #	Location
BY R 9736	4470
BY R 0850	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4470-B00**
 Jumpers:
 Eprom: **57EE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **20.0**
 Rev Power: **0.1**
 SWR: **1.15**

Test Transmission

Port	Time	Count	Measure	Predicted
4470	13:48	1		0
4470	13:48	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 9736	1311.00	

Problem:**Action Taken:** Replaced battery and desiccant in trx. PT is shorted out, all leads. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock Outlet	Date:	07-May-09
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Time:	10:34
		Status:	OK

Configuration Changes	
Part #	Location
BY S 0104	4480
BY S 9801	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4480
Jumpers:	
Eprom:	N V3.2
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.0
SWR:	1.09

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Excessive reports.

Action Taken: Program corrupted. Reprogrammed, replaced battery and desiccant in txr. RF OK. @ 10: 35 manometer = 6384.7, mag meter = 0.4, res. level = 6385.7, upper gage = 28.9, lower gage = 130.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock Outlet	Date:	11-May-09
		Time:	9:37
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Still over reporting after "wallwort" disconnected.

Action Taken: Removed txr for evaluation.

Site Notes: City SCADA Eng. Doug Jackson 303-332-8499

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	06-Feb-09
Time:	13:31	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP

Configuration Changes	
Part #	Location
BY EPR 0212	4490
BY R 0305	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
4490	14:17	1		0
4490	14:18	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY EPR 0212	13.06	

Problem: Battery declining.

Action Taken: Solar connector bad, replaced solar cable, OK. Replaced battery. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Pinewood Spring** Date: **07-May-09** Time: **11:17**
 Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0628	4510
BY R 0621	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4510**
 Jumpers:
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **26.0**
 Rev Power: **2.0**
 SWR: **1.77**

Test Transmission

Port	Time	Count	Measure	Predicted
4510	11:30	1		0
4510	11:30	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txx. RF OK. TB OK. Solar Ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Eagle Ridge**Date: **07-May-09**Time: **13:53**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0625	4520
BY R 0326	4520
BY R 0310	9000
BY R 0223	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom: **4520E**Tx Freq: **169.500**Rx Freq: **169.500**Fwd Power: **4.9**Rev Power: **0.0**SWR: **1.09****Test Transmission**

Port	Time	Count	Measure	Predicted
4520	14:10	1149		0
4520	14:10	1150		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Replaced batteries and desiccant in rpt. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Winiger Ridge**Date: **04-Jun-09**Time: **11:48**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0824	4530
BY R 9732	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4530-00E**
Jumpers: **C:J5 off; L:J7,11 on**
Eprom: **R 1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **27.0**
Rev Power: **0.1**
SWR: **1.13**

Test Transmission

Port	Time	Count	Measure	Predicted
4530	12:02	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0824	13.06	

Problem:**Action Taken:** Replaced battery and desiccant in txx. RF OK. Solar OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville Rptr	Date:	20-Apr-09
		Time:	10:08
Service Type:	Inspection	Technician:	SB
		Status:	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced Desicant. Left battery in due to different size and connections, read 13.86 volts. Battery OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Boulder Jail**Date: **20-Apr-09**Time: **16:00**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BY R 0343	4550
BY R 0423	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **4550-00E**
Jumpers:
Eprom: **R1.8 585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4550	16:08	1		0
4550	16:09	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0343	12.98	

Problem:**Action Taken:** Replaced battery and dessicent. TB OK. RF OK. Cleaned funnel.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lyons Diversion** Date: **07-May-09** Time: **13:14**
 Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0924	4560
BY R 0849	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4560-E00**
 Jumpers: **JB3,4,5 off**
 Eprom: **57EE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4563	13:21	1184	5.02 psi	1184
4563	13:22	492	2.08 psi	491

Battery Tests

Battery #	V Quiescent	V Load
BY R 0924	13.21	

Problem:

Action Taken: Replaced battery and desiccant in trx. RF OK. PT tests OK, good hydraulic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **St. Antons**Date: **06-Jan-09**Time: **12:39**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0501	4570
BY R 0838	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2684	5.00	259	3.3	

Settings and Performance

Switches: **4570-3-0**
 Jumpers: **C:J6,2-3,J5 off;L:J1,4,7,11**
 Eprom: **R 1.8 585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4570	12:57	1		0
4570	12:57	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0501	13.00	

Problem:**Action Taken:** Replaced battery and desiccant in txr. Benchedtxr. RF OK. Cleaned and static calibrated TB,OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **St. Antons**Date: **21-Apr-09**Time: **10:00**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BY R 0841	4570
BY R 0501	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4570-3-0**
 Jumpers: **C:J6,2-3,J5 off;L:J1,4,7,11**
 Eprom: **R 1.8 585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4570	10:11	1		0
4570	10:14	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0841	12.76	

Problem:**Action Taken:** Replaced Battery and Desiccant. TB OK. RF OK. Cleaned Funnel.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	28-May-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:25
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Over reporting.

Action Taken: Changed delta to tx to about 0.3 ft.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broadway** Date: **26-May-09** Time: **13:04**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY J 0901	4580
BY EPJ 0204	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY J 0901	13.11	

Problem: Stopped reporting, battery low.

Action Taken: Replaced battery and desiccant in enclosure. Reprogrammed for HI season. Water level too high to test PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	26-May-09
Service Type:	Inspection	Technician:	DP/SB
			Time: 13:41
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0903	13.13	

Problem:

Action Taken: Replaced desiccant in enclosure. Reprogrammed for HI season. Stream to high to test PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	28-May-09
Time:	11:07	Service Type:	OneRain Service Ca
Status:	OK	Technician:	DP

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: over reporting.

Action Taken: Changed program to delta change of about 0.3 ft.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Hills Mills Date: 18-May-09 Time: 10:59
 Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY S 0126	4710
BY S 0128	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 4710
 Jumpers:
 Eprom: Ver 3.4
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 4.2
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
4710	11:17	1519		0
4710	11:26	1520		0

Battery Tests

Battery #	V Quiescent	V Load
BY S 0126	13.03	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 11:06 ID 4711 raw = 51 => 20 % RH, ID 4712 raw = 144 => 64 deg.F, psychrometer readings Td = 65 deg.F, Tw = 45 deg.F implying RH = 25% and dp= 27 deg.F.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	04-May-09
		Time:	10:27
Service Type:	OneRain Service Ca	Technician:	SB
		Status:	

Configuration Changes	
Part #	Location
BY S 0119	4730
BY S 0124	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4730
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	10:45	3		0
4730	10:45	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY S 0119	12.70	

Problem:

Action Taken: Re-programed TXR and put back in Stand pipe. Installed new battery and desiccant. TXR OK. RF OK. All sensors look OK. Check wind.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	30-Apr-09
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Time:	10:51
		Status:	Site Down

Configuration Changes	
Part #	Location
TX N 2128	9000
BY S 0010	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: erratic reporting.

Action Taken: Txr will not accept programming. will replace with spare.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	21-Apr-09
Service Type:	Inspection	Technician:	SB
			Time: 10:57
			Status:

Configuration Changes	
Part #	Location
BY S 0124	4730
BY S 0010	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4730
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	11:35	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY S 0124	12.72	

Problem:

Action Taken: Changed battery and desiccant in TXR and Signal conditioning. TB OK. Freedom of movement in Annomometer and wind direction. Solar OK. Test button would not transmit all sensors. Temp and TB OK. Sensors will only transmit when changed.

Site Notes:

Follow-Up: Check test button.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	20-Apr-09
Time:	10:55	Service Type:	Inspection
Status:		Technician:	SB

Configuration Changes	
Part #	Location
BY R 0301	4750
BY R 0403	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	v. 3.4R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4750	11:20	253		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0301	13.02	

Problem:

Action Taken: Replaced Battery and Desicent. Temp 62 (psychrometer 63). RH 27% (psychrometer 30). Solar OK. RF OK. Wind OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: CalWood Ranch

Date: 21-May-09

Time: 13:29

Service Type: Inspection

Technician: DP

Status: OK

Configuration Changes

Part #	Location
BY R 0501	4770
BY R 0830	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 4.5
 Rev Power: 2.0
 SWR: 5

Test Transmission

Port	Time	Count	Measure	Predicted
4770	14:03	81		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0501	13.10	

Problem:

Action Taken: Replaced battery and desiccant in trx. Replaced desiccant in BP box. RF poor SWR via AEA = 3.16. Solar OK. TB OK. Wind sensors rotating freely. @ 13:14 ID 4771 raw = 255 => 100% RH, ID 4772 raw = 126 => 46 deg.F, psychrometer readings Td = 46 deg.F, Tw = 45 deg.F implying RH = 94% and dp =44 deg.F

Site Notes:

Follow-Up: Replace YAGI antenna.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	06-Feb-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	10:34
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
4770	11:14	1		0
4770	11:16	2		0
4770	11:17	3		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Erratic reports and high wind reports.

Action Taken: Reprogrammed for 15 min. reporting. @ 11:03 ID 4771 raw = 94=> 36.86% RH, ID 4772 raw = 124 => 44 deg.F, psychrometer reading Td = 44 deg.F, Tw = 34 deg.F implying RH = 38% and dp = 20 deg.F. Wind sensors rotating freely. RF OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Button Rock**Date: **07-May-09**Time: **10:02**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY S 0105	4790
BY S 0116	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4790**
 Jumpers:
 Eprom: **9601-01-81 Ver 3.5R**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **6.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4790	10:25	717		0
4790	10:26	718		0

Battery Tests

Battery #	V Quiescent	V Load
BY S 0105	13.05	

Problem:

Action Taken: Replaced battery and desiccant in trr.RF OK. Solar OK. TB OK. @ 10: 12 ID 4791 raw = 58 => 22.75% RH, ID4792 raw = 149 => 69 deg.F, psychrometer readings Td = 69 deg.F, Tw = 49 deg.F implying RH = 28% and dp = 365 deg.F. Replaced desiccant in BP box. Wind sensors rotating freely.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Shanahan Ridge**Date: **07-Jan-09**Time: **11:54**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0307	4810
BY R 0418	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1356	5.00	243	2.5	

Settings and Performance

Switches: **4810-00E**
 Jumpers: **C: J5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.1**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4810	12:05	1		0
4810	12:05	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0307	13.05	

Problem:**Action Taken:** Replaced battery and desiccant in txr. Benchedtxr. RF OK. Cleaned and static calibrated TB, OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shanahan Ridge	Date:	20-Apr-09
Service Type:	Inspection	Technician:	SB
			Time: 12:10
			Status:

Configuration Changes	
Part #	Location
BY R 0817	4810
BY R 0307	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4810-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4810	12:25	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0817	12.70	

Problem:

Action Taken: Replaced Battery and Desicent. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Dowdy Draw

Date: 07-Jan-09

Time: 11:20

Service Type: Inspection

Technician: DP

Status: OK

Configuration Changes

Part #	Location
BY R 0502	4820
BY R 0212	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1357	5.00	105	2.5	

Settings and Performance

Switches: 4820-00E
 Jumpers: C: J5 off
 Eprom: R 1.8 9CA1
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 4.1
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
4820	11:31	1		0
4820	11:33	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0502	13.06	

Problem:

Action Taken: Replaced battery and desiccant in txr. Benched txr. RF OK. Cleaned and static calibrated TB, OK. Replaced top section large screen.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Dowdy Draw**Date: **20-Apr-09**Time: **13:01**Service Type: **Inspection**Technician: **SB**

Status:

Configuration Changes

Part #	Location
BT R 0843	4820
BY R 0502	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4820-00E**
 Jumpers: **C: J5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.1**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4820	13:16	2		0

Battery Tests

Battery #	V Quiescent	V Load
BT R 0843	12.78	

Problem:**Action Taken:** Replaced Battery and desicent. RF ok. TB ok. Cleaned TB funnel.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **S. Boulder Cr.@ Sans** Date: **03-Jun-09** Time: **11:58**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0431	4830
BY R 0842	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4830-00E**
 Jumpers: **C:J6,1-2,J3,5off;L:J1,4,11**
 Eprom: **R1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.0**
 SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
4830	12:21	523		0
4830	12:23	524		0
4833	12:13	1175	5.24 psi	1176
4833	12:14	466	2.06 psi	465

Battery Tests

Battery #	V Quiescent	V Load
BY R 0431	12.87	

Problem:

Action Taken: Replaced battery and desiccant in trx. Replaced desiccant in sig con box. RF OK. Solar OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **S. Boulder Cr.@ Sans** Date: **23-Apr-09** Time: **9:54**
 Service Type: **Inspection** Technician: **SB** Status:

Configuration Changes

Part #	Location
BY R 0912	4830
BY R 0842	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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Settings and Performance

Switches: **4830-00E**
 Jumpers: **C:J6,1-2,J3,5off;L:J1,4,11**
 Eprom: **R1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.2**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4830	10:02	426		0
4830	10:02	426		0
4830	10:21	427		0
4830	10:21	427		0
4830	10:22	428		0
4830	10:22	428		0
4833	10:13	1164	5.18 psi	1163
4833	10:14	470	2.07 psi	467

Battery Tests

Battery #	V Quiescent	V Load
BY R 0912	13.06	

Problem:

Action Taken: Replaced battery and desiccant in TXR and signal conditioning box. PT OK with good hydrolic contact. RF OK. TB OK. TXR OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	23-Apr-09
		Time:	12:01
Service Type:	Inspection	Technician:	SB
		Status:	

Configuration Changes	
Part #	Location
BY R 0324	4840
BY R 0835	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4840-00E
Jumpers:	C:J6,1-2,J3,5 off
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4840	12:27	440		0
4840	12:27	440		0
4840	12:28	441		0
4843	12:18	1222	5.06 psi	1229
4843	12:20	462	1.90 psi	463

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0324	12.80	

Problem:

Action Taken: Replaced battery and desiccant in TXR and signal condit. box. TB ok. PT ok. Good hydrolic contact. TXR ok. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	03-Jun-09
		Time:	12:58
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0411	4840
BY R 0835	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4840-00E
Jumpers:	C:J6,1-2,J3,5 off
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4840	13:37	1		0
4840	13:37	2		0
4843	13:16	1247	5.18 psi	1259
4843	13:17	491	2.07 psi	504

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0411	12.83	

Problem:

Action Taken: Replaced battery and desiccant in trr. Replaced desiccant in sig con box. RF OK. Solar OK. TBOK. PT tests OK, Cleared intake and flushed, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Porphyry Mtn**Date: **05-Jun-09**Time: **9:33**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0403	4850
BY R 0510	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4850	9:57	466		0
4850	9:57	467		0
4850	9:57	468		0
4850	9:57	469		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0403	13.06	

Problem:**Action Taken:** Replaced battery and desiccant in enclosure. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Fairview Peak

Date: 05-Jun-09

Time: 10:35

Service Type: Inspection

Technician: DP/SB

Status: OK

Configuration Changes

Part #	Location
BY R 0405	4860
BY R 0227	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power: 4.6

Rev Power: 0.0

SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
4860	11:39	1017		0
4860	11:39	1018		0
4860	11:39	1019		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0405	12.83	

Problem:**Action Taken:** Replaced battery and desiccant in enclosure. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Service General	Date:	12-Feb-09
Time:	9:18		
Service Type:	OneRain Service Ca	Technician:	DP/GH/BL
Status:	Site Down		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed all equipment, tower etc. for evaluation of repair.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Service General** Date: **04-Feb-09** Time: **12:57**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Tower is down.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Service General	Date:	14-Apr-09
Service Type:	Service Call	Technician:	DP/SB
			Time: 12:34
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed a Rohn-55 tower and reinstalled weather station and repeater(s). Installed splitter to support dual input frequencies for both ALERT and ALERT 2.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	12-Mar-09
Time:	10:56		
Service Type:	OneRain Service Ca	Technician:	DP/SB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Remove 4764 -4778 from pass list.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	OneRain, Field Ready	Date:	29-Jan-09
		Time:	9:40
Service Type:	Transmitter Maint	Technician:	DP
		Status:	OK

Configuration Changes	
<i>Part #</i>	<i>Location</i>
BY R 0905	9000
BY R 0916	9000
BY R 0915	9000
BY R 0914	9000
BY R 0913	9000
BY R 0912	9000
BY R 0911	9000
BY R 0910	9000
BY R 0909	9000

Transducer Calibration			
<i>Sensor ID</i>	<i>Slope</i>	<i>Calib Offset</i>	<i>Std Error</i>

Tx Maintenance				
<i>Part #</i>	<i>Ref V</i>	<i>Freq Err</i>	<i>Deviation</i>	<i>ROM Batt</i>
TX J 1103	5.00	265	2.5	

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
<i>Port</i>	<i>Time</i>	<i>Count</i>	<i>Measure</i>	<i>Predicted</i>

Battery Tests		
<i>Battery #</i>	<i>V Quiescent</i>	<i>V Load</i>

Problem:

Action Taken: transmitter maintenance and inventory updates

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Denver Waste Water B** Date: **01-Jun-09** Time: **11:00**
 Service Type: **Service Call** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem: Not receiving.

Action Taken: Switch intermittant, jiggled, OK.

Site Notes: Contacts: Saeed Farahmandi 303-446-3607, Robert McKee (IT) 303-446-3547.

Follow-Up: Replace switch during receiver maintence, DPDT 1/4 panel, locking lever.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Con Mutual Base	Date:	04-May-09
Service Type:	Service Call	Technician:	DP
			Time: 11:39
			Status: Incomplete

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not receiving from Blue.

Action Taken: Not receiving from Blue or very well from Smoky. Antenna SWR = 1.18 and is physically OK. Attempted to use mobile base station on the antenna without success, verified equipment w/ rubber duck antenna. Local equipment change in the 400 MHz range at about the suspect time, but should not effect operation. Will have to return with IFR for further testing/evaluation.

Site Notes:

Follow-Up: