

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Carr St Date: 26-Feb-10 Time: 10:07
 Service Type: Start Up Technician: DP Status: OK

Configuration Changes

Part #	Location
TX J 11031	100
TB J 19637	100
BY R 9620	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: 4.5
 Rev Power: 0.1
 SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
100	10:34	1		0
100	10:35	2		0
103	10:26	1209	5.14 psi	1207
103	10:27	496	2.08 psi	494

Battery Tests

Battery #	V Quiescent	V Load
BY R 9620	12.87	

Problem:

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

Site Notes:

Follow-Up:

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URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Ralston Res** Date: **17-Feb-10** Time: **10:40**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 8698	110
TB J 18576	110
BY R 0906	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: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
110	11:06	1		0
110	11:06	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0906	13.12	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. TB OK. PT under shore ice could not test.
 Replaced desiccant in sig con box.

Site Notes:

Follow-Up:

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URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Croke Pump Stn** Date: **26-Feb-10** Time: **13:24**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 8693	120
TB J 13269	120
BY R 0321	120

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
123	0.011	0.0098	0.0039

Tx Maintenance

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

Switches: **0120-00E**
Jumpers: **3,5 Removed**
Eprom:
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
120	13:58	1		0
120	13:58	2		0
123	13:44	1872	9.02 psi	1824
123	13:45	1463	7.05 psi	1426
123	13:46	1045	5.04 psi	1019
123	13:47	630	3.04 psi	614
123	13:48	228	1.10 psi	222
123	13:50	1049	5.08 psi	1054
123	13:51	426	2.06 psi	428

Battery Tests

Battery #	V Quiescent	V Load
BY R 0321	13.07	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests high, recalibrated, with good repeatability, OK, good hydraulic contact. RF OK. TB OK.
{Auto Entry: Calibrated sensor 123 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(0.0098), Std Error(0.0039), Calibration Date(2/26/2010 1:49:23 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Croke Pump Stn	Date:	21-Apr-10
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	13:02
		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: PT sensor check after construction.

Action Taken: Although the conduit was not cut it was disturbed enough to pull about 1 ft. of cable from the sensor end. Unable to verify sensor depth position is riser. Due to water depth unable to attempt to pull more cable from standpipe. Will advise all parties of problem.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Croke Pump Stn	Date:	01-Mar-10
Time:	11:49	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP

Configuration Changes	
Part #	Location
TX J 28970	120
BY R 0937	120
TX J 8693	9000
BY R 0321	9000

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:	3,5 Removed
Eprom:	
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
120	12:04	1		0
120	12:04	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0937	13.08	

Problem: Txr run away on rain.

Action Taken: Reset txr power, still got unconnected rain tip. Replaced txr and battery. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Simm St	Date:	26-Feb-10
Service Type:	Start Up	Technician:	DP
			Time: 12:08
			Status: OK

Configuration Changes	
Part #	Location
TX J 25155	130
BY R 0950	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
133	12:25	1081	5.13 psi	1066	
133	12:26	435	2.06 psi	428	

Battery Tests		
Battery #	V Quiescent	V Load

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: **21-May-10** Time: **10:22**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
DL CS 7700	140
CE E124	140

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: **4.4**
 Rev Power: **0.2**
 SWR: **1.54**

Test Transmission

Port	Time	Count	Measure	Predicted
140	11:01	1		0
140	11:01	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem: Upgrade CE.

Action Taken: Changed Comm Eng to latest firmware version, changed tx freq. to 169.500 MHz. @ 10:52 ID 141 raw = 62 => 62% RH, ID 142 raw = 95 => 55 deg.F, psychrometer readings Td = 55 deg.F, Tw = 48 deg.F implying RH = 64% and dp = 43 deg.F . RF OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Nott Creek** Date: **16-Feb-10** Time: **12:22**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 25151	150
TB H 568	150
BY R 0412	150

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: **0150-0012-0112-11011**
Jumpers:
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
150	12:35	1		0
150	12:35	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0412	13.08	

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: **03-Mar-10** Time: **10:04**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 14148	200
TB J 19612	200
BY R 0321	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: **169.500**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
200	10:20	1		0
200	10:20	2		0
203	10:25	1043	10.07 psi	1028
203	10:26	420	4.02 psi	416

Battery Tests

Battery #	V Quiescent	V Load
BY R 0321	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Leyden Conf.	Date:	26-Feb-10
Service Type:	Start Up	Technician:	DP
			Time: 11:35
			Status: OK

Configuration Changes	
Part #	Location
TX J 8696	210
TB J 18572	210
BY R 0401	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:	0.0
SWR:	1.09

Test Transmission					
Port	Time	Count	Measure	Predicted	
210	12:00	1		0	
210	12:00	2		0	
213	11:52	1174	5.10 psi	1154	
213	11:53	484	2.09 psi	474	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0401	13.12	

Problem:

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

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Upper Leyden	Date:	16-Feb-10
Service Type:	Start Up	Technician:	DP
		Time:	10:49
		Status:	OK

Configuration Changes	
Part #	Location
TB PW 001	220
CE B039	220
BY R 1002	220
CE C 053	9000

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:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
220	11:04	1		0
220	11:04	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed battery, TB, desiccant and updated Comm Eng. RF OK. TB OK.

Site Notes: Comm Eng. settings sle1, slpn1, spli220, slii216, spe1, sse1, ssp12:00.

Follow-Up:

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Service Log

Site Name: **Van Bibber Park** Date: **26-Feb-10** Time: **13:10**
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: Replaced missing gnd planes on antenna.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Van Bibber Park	Date:	16-Feb-10
		Time:	10:07
Service Type:	Start Up	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
TX J 13313	300
TB J 13776	300
BY R 1004	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:	3.8
Rev Power:	0.2
SWR:	1.6

Test Transmission				
Port	Time	Count	Measure	Predicted
300	10:23	1		0
300	10:24	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF OK. Missing 2 gnd planes (old style) from antenna. TB OK.

Site Notes: .

Follow-Up: Replace missing gnd planes.

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URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Guy Hill	Date:	16-Feb-10
Service Type:	Start Up	Technician:	DP
			Time: 13:26
			Status: OK

Configuration Changes	
Part #	Location
TX J 19666	310
TB J 18553	310
BY R 0828	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
310	13:41	1		0
310	13:41	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0828	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:	Sports Complex	Date:	21-Apr-10
		Time:	11:53
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	PT 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
320	12:23	1		0
320	12:24	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT over reporting, high.

Action Taken: PT bad, direct output varies randomly/wildly between 1 and 80 mV with no pressure applied (100 mV @ 10 psi normal). Will leave as rain only until PT replacement can be made. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sports Complex** Date: **26-Feb-10** Time: **10:46**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 11032	320
TB J 10739	320
BY R 0307	320

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
320	11:16	1		0
320	11:17	2		0
323	11:08	1052	5.07 psi	1033
323	11:09	445	2.13 psi	434

Battery Tests

Battery #	V Quiescent	V Load
BY R 0307	12.98	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. PT tests OK (adjusted zero point) , 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 Log

Site Name: **Sports Complex** Date: **04-May-10** Time: **12:50**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 2915910	320
PT D 2113452	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
323	0.011	-0.2097	0.0736

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
320	13:45	72		0
320	13:46	73		0
323	13:32	1877	9.01 psi	1838
323	13:33	1481	7.09 psi	1445
323	13:33	1067	5.08 psi	1036
323	13:33	651	3.07 psi	625
323	13:34	244	1.09 psi	222
323	13:34	19	0.00 psi	-1
323	13:36	1067	5.09 psi	1068
323	13:36	442	2.06 psi	443

Battery Tests

Battery #	V Quiescent	V Load

Problem: PT wild.

Action Taken: Repaced PT and calibrated, repeatability OK, good hydraulic contact (calibrated with a 20 count value at zero pressure). TB OK.
 {Auto Entry: Calibrated sensor 323 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(-0.2097), Std Error(0.0736), Calibration Date(5/4/2010 1:35:05 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log

Site Name: **Van Bibber @ 93** Date: **16-Feb-10** Time: **11:17**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 25154	330
TB H 551	330
BY R 0420	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: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
330	11:46	1		0
330	11:48	2		0
330	11:48	3		0
333	11:36	1035	5.00 psi	1028
333	11:37	429	2.06 psi	433

Battery Tests

Battery #	V Quiescent	V Load
BY R 0420	13.06	

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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URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Montview Park	Date:	14-Jun-10
Time:	12:05	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: Missed most of rain event.

Action Taken: Topsection funnel plugged, Drained funnel slowly into TB to catch up total. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Montview Park** Date: **26-Feb-10** Time: **11:17**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 11035	400
TB J 3976	400
BY R 0821	400

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
403	0.010	0.0061	0.0025

Tx Maintenance

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

Switches: **0400-00E**
 Jumpers: **C: J3, J5 off; j6 on**
 Eprom: **57EE R1.8**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
400	11:49	1		0
400	11:51	2		0
403	11:34	1984	8.84 psi	1806
403	11:35	1605	7.16 psi	1462
403	11:35	1163	5.19 psi	1060
403	11:36	657	2.93 psi	600
403	11:36	234	1.04 psi	214
403	11:37	1146	5.11 psi	1144
403	11:38	511	2.28 psi	510

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed Battery, TXR, TB, Desiccant, and dropped PT. RF OK. TB OK. TXR OK. PT OK with good hydraulic contact. Flushed out PT intake. Conduit to PT riser has come lose and was pinching PT wire. PT seems to be functioning correctly. Attempted to re-connect the conduit but is rusted in place. Relieved the pinch on the PT wire.

{Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0103), Calibration Offset(0.0061), Std Error(0.0025), Calibration Date(2/26/2010 11:36:44 AM)]}.

Site Notes:**Follow-Up:**

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URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	09-Apr-10
Service Type:	Start Up	Technician:	DP/SB
		Time:	11:14
		Status:	OK

Configuration Changes	
Part #	Location
TX J 8693	410
TB S 9503	410
BY R 0501	410

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
413	0.011	0.3607	0.0861

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:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission					
Port	Time	Count	Measure	Predicted	
410	11:35	1			0
410	11:35	2			0
413	11:24	1794	9.05	psi	1374
413	11:25	1404	7.12	psi	1081
413	11:25	978	5.01	psi	761
413	11:25	578	3.02	psi	460
413	11:26	188	1.09	psi	166
413	11:27	972	4.98	psi	977
413	11:27	621	3.24	psi	625

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0501	12.98	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. Adjusted span of sig con to use full scale and calibrated PT, OK, good hydraulic contact. RF OK. TB OK.
 {Auto Entry: Calibrated sensor 413 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.3607), Std Error(0.0861), Calibration Date(4/9/2010 11:26:31 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Expo Park** Date: **26-Feb-10** Time: **12:37**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TB J 21334	420
BY R 0810	420
TB J 19612	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0420--00D**
 Jumpers:
 Eprom: **R1.8 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
420	13:34	1		0
420	13:34	2		0
423	12:55	1116	5.60 psi	1110
423	12:56	417	2.08 psi	412

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed battery, TXR, TB, Desiccant, and dropped PT. RF OK. TB OK. TXR OK. PT OK with good hydraulic contact. Cleaned TB funnel. Flushed out PT riser. Bottom of riser is full of silt. Attempted to dig it out but was unable to reach with a shovel. The PT is not resting at the bottom of the riser. It is still functioning properly just unable to sit at the bottom.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	26-Feb-10
Service Type:	Start Up	Technician:	SB
			Time: 13:54
			Status: OK

Configuration Changes	
Part #	Location
TX J 27310	430
TB J 23084	430
BY R 0416	430

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
433	0.012	0.0498	0.0334

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0430-00E
Jumpers:	C:J3,5 off
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
430	14:53	1			0
430	14:54	2			0
433	14:08	596	4.69	psi	577
433	14:09	269	2.13	psi	254
433	14:38	1941	9.87	psi	1230
433	14:39	1363	7.00	psi	868
433	14:40	971	4.98	psi	614
433	14:41	607	3.11	psi	378
433	14:42	210	1.07	psi	120
433	14:43	926	4.75	psi	932
433	14:44	387	1.98	psi	386

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed battery, TB, TXR, desiccant, and dropped PT. PT needed callibrated and span adjusted. PT OK with good hydraulic contact. TB OK. TXR OK. RF OK.

{Auto Entry: Calibrated sensor 433 by linear regression. Modified calibration data. New calibration [Slope(0.0117), Calibration Offset(0.0498), Std Error(0.0334), Calibration Date(2/26/2010 2:42:37 PM)]}.

Site Notes: New GPS Coordinates:
 39 41 07 N
 104 50 43 W

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora FS#7** Date: **18-Feb-10** Time: **10:49**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 18543	440
TB J 10749	440
BY R 0924	440

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: **0440-00E**
Jumpers: **5 Off**
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
440	11:06	1		0
440	11:06	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0924	12.98	

Problem:

Action Taken: Installed battery, TXR, TB, 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: **Havana Park** Date: **17-Feb-10** Time: **10:46**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 15784	500
TB J 24912	500
BY R 0814	500

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0500-00E**
 Jumpers: **3,5 Off**
 Eprom: **3 Min Sample**
 Tx Freq: **169.000**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
500	11:19	1		0
500	11:20	2		0
503	11:04	1053	4.96 psi	1046
503	11:07	454	2.08 psi	452

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, TB, Battery, and Desiccant. Dropped PT. Good hydraulic contact. PT OK. TB OK. RF OK. Cleaned Funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Virginia Court	Date:	16-Feb-10
Service Type:	Start Up	Technician:	SB
		Time:	14:05
		Status:	OK

Configuration Changes	
Part #	Location
TX J 18542	510
TB J 20912	510
BY R 1001	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:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
510	14:22	1		0
510	14:25	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1001	13.00	

Problem:

Action Taken: Installed battery, TXR, TB, 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: **Jewell Detention** Date: **16-Feb-10** Time: **14:41**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 18540	520
TB J 18549	520
BY R 0832	520

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0520-00E**
 Jumpers: **5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
520	14:55	1		0
520	14:55	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, TB, 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: Denver FS #19	Date: 17-Feb-10	Time: 11:47	
Service Type: Start Up	Technician: SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 18533	530
TB J 23318	530
BY R 0807	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
530	12:03	1		0
530	12:03	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0807	13.00	

Problem:

Action Taken: Installed battery, txr, TB, 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: **Parker and Miss.** Date: **17-Feb-10** Time: **12:32**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 18532	540
TB J 21318	540
BY R 1003	540

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0540-00E**
 Jumpers: **5 Off**
 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
540	12:47	1		0
540	12:49	2		0
540	12:50	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1003	13.02	

Problem:

Action Taken: Installed Battery, TXR, TB, 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: **Harvard Gulch Pk** Date: **25-Feb-10** Time: **13:50**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8691	600
TB J 19629	600
BY R 0816	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	14:25	1		0
600	14:26	2		0
603	14:08	767	4.30 psi	781
603	14:09	310	1.83 psi	327

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed battery, TXR, TB, desiccant, and dropped PT. TB OK. RF OK. TXR OK. PT OK with good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	02-Mar-10
Service Type:	Start Up	Technician:	SB
			Time: 10:24
			Status: OK

Configuration Changes	
Part #	Location
TX J 148	610
TB J 23289	610
BY R 0327	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:	3,5 off
Eprom:	R1.8 583E
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure		Predicted
610	10:45	1			0
610	10:47	2			0
613	10:33	1333	5.81 psi		1330
613	10:34	381	1.69 psi		379

Battery Tests		
Battery #	V Quiescent	V Load
TB J 23289	12.87	

Problem:

Action Taken: Installed battery, TXR, desiccant, TB, and dropped PT. Flushed PT intake. PT OK with good hydraulic contact. TB OK. RF OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Quincy/Highline Date: 17-Feb-10 Time: 14:11
Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 15788	620
TB J 19644	620
BY R 0917	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: 5 off
 Eprom:
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.8
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
620	14:30	1		0
620	14:30	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0917	13.00	

Problem:

Action Taken: Installed TXR, Battery, TB, 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: **Temple Pond** Date: **18-Feb-10** Time: **11:27**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8697	630
TB J 10764	630
BY R 0244	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: **3 min sample**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
630	12:01	1		0
630	12:01	2		0
633	11:44	1276	5.45 psi	1261
633	11:47	408	1.69 psi	395

Battery Tests

Battery #	V Quiescent	V Load
BY R 0244	12.90	

Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant, and dropped PT. TXR OK. RF OK. TB OK. PT OK with good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Goldsmith/E'man Date: 02-Mar-10 Time: 12:09
 Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 4397	640
TB J 19639	640
BY R 0822	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: 4.8
 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	12:19	1209	5.91 psi	1199
643	12:20	436	2.11 psi	430

Battery Tests

Battery #	V Quiescent	V Load
TB J 19639	12.94	

Problem:

Action Taken: Installed Battery, TXR, TB, Desiccant, and dropped PT. PT OK with good hydraulic contact. TB OK. RF OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Iliff Pond

Date: 02-Mar-10

Time: 11:00

Service Type: Start Up

Technician: SB

Status: OK

Configuration Changes

Part #	Location
TX J 18531	650
TB J 25035	650
BY R 0631	650

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 0659-00E
Jumpers: 3,4,5 Off
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
650	11:46	1		0
650	11:46	2		0
653	11:14	1087	4.85 psi	1068
653	11:14	491	2.20 psi	475
654	11:28	1247	5.39 psi	1240
654	11:29	493	2.13 psi	501

Battery Tests

Battery #	V Quiescent	V Load
BY R 0631	13.00	

Problem:

Action Taken: Installed Battery, TXR, TB, Desiccant, and dropped both PT's. Flushed out both intakes for PT's. PTs have good hydraulic contact and are OK. TB OK. Cleaned funnel. RF OK. TXR OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 04-Mar-10 Time: 10:54
Service Type: OneRain Service Ca Technician: SB Status: OK

Configuration Changes

Part #	Location
CE B024	700

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: 0700-00E
Jumpers: JB 3-5 off
Eprom: R 1.8 57EE
Tx Freq: 169.525
Rx Freq:
Fwd Power: 4.4
Rev Power: 0.0
SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
700	11:06	430		0
700	11:07	431		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Checked RF again. Looks good. Comm Engine is in place with older FW. Waterlog equipment is set up to TX rain status every 12 hours. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 11-Jun-10 Time: 10:55
Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
CE E137	700
CE B024	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:
Rev Power:
SWR:

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: Installed upgraded Comm Eng and reinstalled original antenna. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 08-Jun-10 Time: 12:01
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: Erratic reporting.

Action Taken: Installed Yagi antenna pointed at Smoky Hill. Did a power reset, received rain locally but not via repeater, here. Will monitor performance.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	25-Jan-10
		Time:	12:59
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
700	13:03	415		0
700	13:04	416		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. RF OK. Stage reads 3.71.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 03-Mar-10 Time: 14:45
Service Type: Start Up Technician: 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: 0700-00E
Jumpers: JB 3-5 off
Eprom: R 1.8 57EE
Tx Freq: 169.525
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
700	14:58	428		0
700	14:59	429		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Purged bubbler. Checked staff gage. Looks like 3.7?? Gage is reading 3.73. RF OK. Bubbler OK. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Horseshoe Park Date: 09-Apr-10 Time: 12:01
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
710	13:09	1		0
710	13:10	2		0

Battery Tests

Battery # V Quiescent V Load

Problem: Antenna missing.

Action Taken: Replaced antenna and cable. RF OK. TB OK. Hydraulic contact marginal, possibly frozen.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	26-Apr-10
Time:	12:55	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: PT not reporting, several events.

Action Taken: Intake conduit damaged 16 1/2 ft. from riser, about 28 ft. from stream, cut off pinched section. should replace entire intake to assure level hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	29-Mar-10
Service Type:	Start Up	Technician:	DP/SB
			Time: 12:56
			Status: OK

Configuration Changes	
Part #	Location
TX J 15781	710
TB J 8366	710
BY R 0902	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:	0.0
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
710	14:03	1			0
710	14:04	2			0
713	13:14	1210	5.12 psi		1191
713	13:15	484	2.03 psi		472

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: **Horseshoe Park** Date: **11-Jun-10** Time: **12:11**
 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
710	14:10	87		0
710	14:11	88		0
710	14:11	89		0

Battery Tests

Battery # V Quiescent V Load

Problem: Quit 6/7/10

Action Taken: Site vandalized again, stole the antenna and pulled 20 ft. of the intake conduit out of the stream, bent in multiple places. Removed 14 ft. of bent intake conduit and forced end down into water, anchored with 3 large rocks, is now out of sight. Replaced antenna and UHF connector, RF OK. Antenna mounting is with 2 hose clamps 14 ft. above ground attached to 1 1/4 GRC mast, only visible signs of method of removal is that the topsection funnel was jammed into topsection, must have stood on it. PT tests low, adjusted zero point, OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Horseshoe Park** Date: **17-Jun-10** Time: **11:14**
 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
710	12:32	119		0
710	12:33	120		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Extended mast for antenna to 20 ft., attached antenna with U-bolts and hose clamps (2 ea.). RF OK. TB OK. Will meet with Aurora later about securing PT intake further out in stream.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Horseshoe Park** Date: **08-Apr-10** Time: **11:00**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** 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: Site stopped reportng 7 days ago.

Action Taken: Antenna has been removed, clamps and all, cable cut. Left txr, etc. unpowered until replacement can be made.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	20-May-10
Time:	12:06	Service Type:	OneRain Service Ca
Status:	OK	Technician:	DP/PB

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: Replacing broken intake to PT riser.

Action Taken: Installed 44 ft new 1/2 in. GRC for intake. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Confluence Pond** Date: **02-Mar-10** Time: **13:10**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 11034	720
TB J 23294	720
BY R 0344	720

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
720	13:47	1		0
720	13:47	2		0
723	13:30	1182	5.90 psi	1164
723	13:31	420	2.08 psi	424
724	13:22	1140	5.01 psi	1120
724	13:23	463	2.03 psi	466

Battery Tests

Battery #	V Quiescent	V Load
TB J 23294	12.94	

Problem:

Action Taken: Installed Battery, TXR, TB, Desiccant and dropped both PT. PTs OK with good hydraulic contact. TB OK. TXR OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Confluence Pond** Date: **17-May-10** Time: **11:39**
Service Type: **OneRain Service Ca** Technician: **DP/JL** 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: Thought, poor performance for last event.

Action Taken: TB OK, funnels clean.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	17-May-10
Service Type:	OneRain Service Ca	Technician:	DP/JL
		Time:	12:04
		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
730	12:01	68		0
730	12:03	69		0
730	12:03	70		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: poor performance last event.

Action Taken: Standpipe tilt increasing, had to modify TB mounting to get level. TB OK. Standpipe needs to be corrected.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **No Name @ Quincy** Date: **04-Mar-10** Time: **13:34**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 15783	730
TB J 10735	730
BY R 9733	730

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0730-00E**
 Jumpers: **3,5 Off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **1.0**
 SWR: **2.62**

Test Transmission

Port	Time	Count	Measure	Predicted
730	14:05	1		0
730	14:05	2		0
733	13:47	1141	4.88 psi	1122
733	13:48	487	2.06 psi	471

Battery Tests

Battery #	V Quiescent	V Load
BY R 9733	12.90	

Problem:

Action Taken: Installed Battery, TXR, TB, Desiccant and dropped PT. TXR OK. TB OK. Could not level TB due to lean of Stand pipe. PT OK with good hydraulic contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Smoky Hill** Date: **28-Jun-10** Time: **10:54**
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.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Quincy Reservoir** Date: **02-Mar-10** Time: **14:21**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1006	750

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: **0750-0012-1312-1111**
 Jumpers: **2km wind run**
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
750	14:48	1		0
750	14:49	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1006	13.03	

Problem:

Action Taken: Changed battery and desiccant in TXR and BP. Wind rotating freely. TB OK. RF OK. TXR OK. Psychrometer reading 26 percent humidity. Site reading 24.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Mission Viejo Pk	Date:	17-Feb-10
Time:	13:17	Service Type:	Start Up
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 18534	760
TB J 23174	760
BY R 0402	760

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0760-00E
Jumpers:	5 off
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
760	13:35	1		0
760	13:35	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0402	13.01	

Problem:

Action Taken: Installed Battery, TXR, TB, 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: **Sable Ditch** Date: **03-Mar-10** Time: **12:01**
 Service Type: **Start Up** Technician: **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
800	12:17	8		0
800	12:17	9		0
803	12:12	433	2.32 psi	432
803	12:13	907	4.92 psi	911

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Dropped PT. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sable Ditch** Date: **16-Feb-10** Time: **11:38**
 Service Type: **Start Up** Technician: **SB** Status: **PT Down**

Configuration Changes

Part #	Location
TX J 15785	800
BY R 0827	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: **3,5 Off**
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
800	12:03	1		0
800	12:03	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0827	13.15	

Problem:

Action Taken: Installed TXR, Battery, TB, and desiccant. TB OK. TXR OK. RF OK. Did not install the PT due to water and ICE still around the outlet.

Site Notes:

Follow-Up: Install PT

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Grandby Ditch**Date: **03-Mar-10**Time: **13:42**Service Type: **Start Up**Technician: **SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 15787	810
TB J 19496	810
BY R 0318	810

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
813	0.011	0.2946	0.0798

Tx Maintenance

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

Switches: **0810-00E**
Jumpers: **C:J6,1-2,J3,5 off; L:J9,10**
Eprom: **R1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
810	14:31	1		0
810	14:31	2		0
813	14:05	2031	9.88 psi	2049
813	14:06	1406	6.93 psi	1442
813	14:07	1005	4.99 psi	1041
813	14:08	620	3.11 psi	655
813	14:09	199	1.07 psi	233
813	14:10	1069	5.30 psi	1074
813	14:10	420	2.14 psi	418

Battery Tests

Battery #	V Quiescent	V Load
TB J 19496	12.90	

Problem:

Action Taken: Installed battery, TXR, TB, Desiccant and dropped PT. PT needed recalibrated. PT OK with good hydraulic contact. RF OK. TB OK. TXR OK.

{Auto Entry: Calibrated sensor 813 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(0.2946), Std Error(0.0798), Calibration Date(3/3/2010 2:09:41 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: ETG @ Buckley

Date: 16-Feb-10

Time: 12:19

Service Type: Start Up

Technician: SB

Status: OK

Configuration Changes

Part #	Location
TX J 15780	820
TB J 2531	820
BY R 0218	820

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
820	12:53	1		0
820	12:54	2		0
823	12:42	824	3.92 psi	815
823	12:43	329	1.55 psi	323

Battery Tests

Battery #	V Quiescent	V Load
BY R 0218	13.08	

Problem:

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

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Side Creek Park Date: 16-Feb-10 Time: 13:26
 Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 19662	830
TB J 8374	830
BY R 0847	830

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
830	13:40	1		0
830	13:40	2		0
830	13:42	3		0
830	13:43	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0847	13.00	

Problem:

Action Taken: Installed battery, TXR, TB, 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: **Aurora FS 12** Date: **17-Feb-10** Time: **10:09**
 Service Type: **OneRain Service Ca** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TB J 21330	840
CE B031	840
CE E137	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
840	10:18	4		0
840	10:20	5		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed Comm Engine with new Firmware version 6.3.2. Installed TB. Cleaned funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Aurora FS 12**Date: **16-Feb-10**Time: **11:05**Service Type: **Start Up**Technician: **SB**Status: **Rain down****Configuration Changes**

Part #	Location
CE E137	840
BY R 0415	840
TXC137	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: **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 0415	12.79	

Problem:**Action Taken:** Installed battery and desiccant. RF OK. Did not have correct TB.**Site Notes:****Follow-Up:** Need to install TB w/ clip on connector.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	04-Mar-10
Time:	12:29	Service Type:	OneRain Service Ca
Status:	OK	Technician:	SB

Configuration Changes	
Part #	Location
TB J 16628	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:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
850	12:32	0		0
850	12:33	1		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TB. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flying J** Date: **14-Jun-10** Time: **13:09**
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: Battery declining, low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flying J** Date: **03-Mar-10** Time: **12:32**
Service Type: **Start Up** Technician: **SB** Status: **Rain down**

Configuration Changes

Part #	Location
BY R 0332	850

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: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.0**
SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
853	13:03	1160	5.06 psi	1161
853	13:04	416	1.85 psi	418

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed battery and desiccant. Changed frequency. Dropped PT. PT OK. Could not installed TB. Had wrong one. RF OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek @ Colfax	Date:	05-Mar-10
		Time:	11:00
Service Type:	OneRain Service Ca	Technician:	SB
		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 Comm Engine, and Data Logger for evaluation. Site Down.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek @ Colfax Date: 04-Mar-10 Time: 11:26
Service Type: Start Up Technician: SB Status: PT Down

Configuration Changes

Part #	Location
TB J 16624	860
BY R 0333	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: 169.525
Rx Freq:
Fwd Power: 4.5
Rev Power: 0.0
SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
860	12:02	52		0
860	12:05	53		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0333	12.82	

Problem:

Action Taken: Installed Battery, Desiccant and TB. RF OK. TB OK. Left PT up due to site re location in the near future. Reason to believe that the Data logger may be bad. When power on Red light blinks twice then will no longer blink. Could not connect to unit.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Murphy Creek** Date: **04-Mar-10** Time: **12:53**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TB J 16621	870
BY R 0940	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: **169.500**
 Rx Freq:
 Fwd Power: **4.2**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
870	13:17	0		0
870	13:19	1		0
873	13:07	1153	4.90 psi	1142
873	13:08	503	2.11 psi	498

Battery Tests

Battery #	V Quiescent	V Load
BY R 0940	12.90	

Problem:

Action Taken: Installed battery, TB, desiccant, and dropped PT. RF OK. PT OK with good hydraulic contact. TXR OK. Cleaned funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Res Wx** Date: **17-May-10** Time: **12:23**
 Service Type: **Inspection** Technician: **DP/JL** Status: **OK**

Configuration Changes

Part #	Location
BY R 0903	900
BY R 0312	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: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
900	12:40	1		0
900	12:40	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0903	12.87	

Problem:

Action Taken: Replaced battery and desiccant in txr. @ 12:30 ID 901 raw = 200 => 20% RH, ID 902 raw = 1115 => 71.50 deg.F, psychrometer readings Td = 72 deg.F, Tw = 51 deg.F implying RH = 23% and dp = 32 deg.F. RF OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Regional Pond	Date:	26-Apr-10
		Time:	11:21
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: Excessive reporting 4/24/10 130 tips, between 8:05 and 9:50 AM, next nearest TB had 8 tips.

Action Taken: No visible cause, TB slightly off level, corrected.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **05-Mar-10** Time: **12:16**
 Service Type: **OneRain Service Ca** Technician: **SB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
943	0.012	0.1024	0.026

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	12:20	1746	9.02 psi	1359
943	12:21	1334	6.90 psi	1038
943	12:26	977	5.08 psi	765
943	12:27	601	3.14 psi	472
943	12:28	186	0.99 psi	148
943	12:35	1000	5.17 psi	993
943	12:36	401	2.07 psi	392

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Adjusted Span, Calibrated PT. PT OK.

{Auto Entry: Calibrated sensor 943 by linear regression. Modified calibration data. New calibration [Slope(0.0119), Calibration Offset(0.1024), Std Error(0.0260), Calibration Date(3/5/2010 12:28:38 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **04-Mar-10** Time: **15:13**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25451	940
TB J 10738	940
BY R 0611	940

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0940-00E**
 Jumpers: **3,5 Off**
 Eprom:
 Tx Freq: **169.500**
 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 battery, TXR, TB desiccant and dropped PT. RF OK. PT OK with good hydraulic contact. Computer died in the middle of calibrating the PT. Adjusted Span and zero. Needs completed.

Site Notes:

Follow-Up: Calibrate PT

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **08-Apr-10** Time: **11:37**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 2949345	950
PT D 2680701	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
953	0.011	0.0502	0.0165

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
953	12:12	1947	9.05 psi	1951
953	12:12	1507	7.03 psi	1516
953	12:13	1084	5.07 psi	1092
953	12:13	659	3.08 psi	665
953	12:14	222	1.04 psi	225
953	12:15	1118	5.22 psi	1120
953	12:15	438	2.06 psi	439

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Pulled new PT and calibrated, repeatability OK, good hydraulic contact.

{Auto Entry: Calibrated sensor 953 by linear regression. Modified calibration data. New calibration [Slope(0.0107), Calibration Offset(0.0502), Std Error(0.0165), Calibration Date(4/8/2010 12:14:15 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **04-Mar-10** Time: **14:22**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TB J 24476	950
BY R 0251	950

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
953	0.011	-0.002	0.0031

Tx Maintenance

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

Switches: **0950-00E**
 Jumpers: **3,5 off**
 Eprom: **R 1.8 3206 STD**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
950	15:00	1		0
950	15:00	2		0
953	14:45	1929	8.94 psi	1358
953	14:46	1521	7.04 psi	1071
953	14:46	1108	5.14 psi	781
953	14:46	646	3.00 psi	457
953	14:47	242	1.12 psi	172
953	14:48	936	4.35 psi	939
953	14:48	488	2.26 psi	487

Battery Tests

Battery #	V Quiescent	V Load
BY R 0251	12.92	

Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant and dropped PT. Increased the span of the PT and then re-calibrated it. PT OK with good hydraulic contact. TB OK. RF OK.

{Auto Entry: Calibrated sensor 953 by linear regression. Modified calibration data. New calibration [Slope(0.0107), Calibration Offset(-0.0020), Std Error(0.0031), Calibration Date(3/4/2010 2:47:40 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **05-Mar-10** Time: **12:51**
Service Type: **OneRain Service Ca** Technician: **SB** Status: **PT 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: **0950-00E**
Jumpers: **3,5 off**
Eprom: **R 1.8 3206 STD**
Tx Freq: **169.525**
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT Failure. Jumper 3 placed on TXR. PT DOWN.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	03-Mar-10
Service Type:	Inspection	Technician:	DP
		Time:	11:25
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0202	1000
BY R 0404	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
1000	11:47	1		0	
1000	11:48	2		0	
1003	11:40	1034	5.03 psi	1025	
1003	11:41	425	2.03 psi	414	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0202	12.87	

Problem:

Action Taken: Replaced battery and desiccant in txr. 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: **Maple Grove Res** Date: **15-Dec-09** Time: **11:59**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0404	1000
BY R 0247	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 1966	5.00	296	2	

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: **4.6**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1000	12:16	1		0
1000	12:17	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: PT frozen in at surface, unable to test. Replaced battery and desiccant in txr. Replaced desiccant in sig con box. RF OK. TB OK. Changed frequency to 169.500 MHz.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Denver West** Date: **17-Feb-10** Time: **12:18**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 18539	1010
TB J 18554	1010
BY R 0407	1010

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1010-3-D**
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
1010	12:31	1		0
1010	12:31	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0407	13.11	

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:	03-Mar-10
Service Type:	Start Up	Technician:	DP
		Time:	10:51
		Status:	OK

Configuration Changes	
Part #	Location
TX J 18538	1020
BY R 0418	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1023	11:12	1180	5.08 psi	1182	
1023	11:13	477	2.08 psi	483	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0418	13.06	

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: NREL/SERI	Date: 25-Feb-10	Time: 13:52	
Service Type: Start Up	Technician: DP	Status: OK	

Configuration Changes	
Part #	Location
TX J 11037	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:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
1030	14:09	2		0
1030	14:09	3		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 Log

Site Name: **Lena @ Hwy 6** Date: **25-Feb-10** Time: **12:47**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 4395	1040
TB BC 152	1040
BY R 0511	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: **4.8**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
1040	13:18	1		0
1040	13:18	2		0
1043	13:02	1077	5.09 psi	1060
1043	13:03	439	2.09 psi	431

Battery Tests

Battery #	V Quiescent	V Load
BY R 0511	13.01	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. PT tests OK, good hydraulic contact. Note: water flow diverted away from measured culvert. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Fairgrounds Date: 17-Feb-10 Time: 12:42
Service Type: Start Up Technician: DP Status: OK

Configuration Changes

Part #	Location
TX J 18536	1050
TB J 2532	1050
BY R 0309	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: 4.5
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
1050	12:52	1		0
1050	12:53	2		0
1050	12:54	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0309	13.07	

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:	Apex	Date:	17-Feb-10
Service Type:	Start Up	Technician:	DP
			Time: 11:43
			Status: OK

Configuration Changes	
Part #	Location
TX J 18537	1060
TB J 11492	1060
BY R 0348	1060

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1060-3-d
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
1060	11:55	1		0
1060	11:57	2		0
1060	11:57	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0348	13.09	

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:	11-Mar-10
Service Type:	Start Up	Technician:	DP
			Time: 11:22
			Status: OK

Configuration Changes	
Part #	Location
TX J 2806	1100
TB J 23302	1100
BY R 0509	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1100	11:50	2		0	
1100	11:50	3		0	
1103	11:42	1034	5.03 psi	1022	
1103	11:43	422	2.05 psi	418	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0509	13.28	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tests high, adjusted zero point, 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: **Gunbarrel** Date: **11-Mar-10** Time: **10:40**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 25145	1110
TB H 9401	1110
BY R 0341	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	11:01	1		0
1110	11:02	2		0
1113	10:55	1052	5.05 psi	1043
1113	10:56	431	2.06 psi	428

Battery Tests

Battery #	V Quiescent	V Load
BY R 0341	12.98	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broomfield #3207** Date: **11-Mar-10** Time: **12:23**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 15782	1200
TB J 8373	1200
BY R 0813	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: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1200	12:45	1		0
1200	12:46	2		0
1203	12:38	943	5.06 psi	931
1203	12:39	378	2.03 psi	372

Battery Tests

Battery #	V Quiescent	V Load
BY R 0813	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: **Hidden Lake** Date: **12-Apr-10** Time: **12:56**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 2968204	1300
PT D 1556413	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1303	0.009	0.0924	0.0154

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
1300	13:41	27		0
1300	13:41	28		0
1303	13:30	1920	5.00 psi	1014
1303	13:31	1851	7.21 psi	1462
1303	13:32	1584	6.18 psi	1253
1303	13:32	1305	5.10 psi	1034
1303	13:33	809	3.18 psi	645
1303	13:33	342	1.37 psi	278
1303	13:34	1240	4.85 psi	1247
1303	13:34	564	2.23 psi	568

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed new PT. Good hydraulic contact. Adjusted zero and span. Note that full scale is at 7.4 PSI. This could not be adjusted any further, ran out of span on the sig conditioning board. TB OK.

{Auto Entry: Calibrated sensor 1303 by linear regression. Modified calibration data. New calibration [Slope(0.0089), Calibration Offset(0.0924), Std Error(0.0154), Calibration Date(4/12/2010 1:33:40 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hidden Lake** Date: **02-Mar-10** Time: **12:22**
 Service Type: **Start Up** Technician: **DP** Status: **PT Down**

Configuration Changes

Part #	Location
TX J 11923	1300
TB J 21358	1300
BY R 0830	1300

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1303	0.011	-0.0241	0.0424

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1300-00E**
 Jumpers: **none**
 Eprom: **5.0S**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
1300	13:42	1		0
1300	13:42	2		0
1303	12:49	1831	9.03 psi	1362
1303	12:49	1406	7.02 psi	1059
1303	12:50	1016	5.07 psi	767
1303	12:50	628	3.09 psi	467
1303	12:51	226	1.09 psi	166
1303	12:53	1050	5.09 psi	1032
1303	12:53	439	2.08 psi	422

Battery Tests

Battery #	V Quiescent	V Load
BY R 0830	13.06	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. PT is unstable, can not zero full scale at 8 psi. RF OK. TB OK. Will leave as rain only until replacement can be made.

Site Notes:

Follow-Up: replace PT

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Little Dry Creek @ 64t Date: 02-Mar-10 Time: 13:55
Service Type: Start Up Technician: DP Status: OK

Configuration Changes

Part #	Location
TX J 11922	1310
TB J 16739	1310
BY R 0215	1310

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1310-00E
 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
1310	14:17	1		0
1310	14:18	2		0
1313	14:10	1033	5.07 psi	1032
1313	14:11	419	2.09 psi	424

Battery Tests

Battery #	V Quiescent	V Load
BY R 0215	13.08	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR @Mausoleum** Date: **04-Mar-10** Time: **11:24**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 19663	1320
TB S 3359	1320
BY R 0606	1320

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
1320	11:42	1		0
1320	11:42	2		0
1323	11:39	1120	5.09 psi	1101
1323	11:40	414	2.07 psi	404

Battery Tests

Battery #	V Quiescent	V Load
BY R 0606	13.05	

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: Roslyn Date: 16-Feb-10 Time: 10:12
 Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX N 3103	1330
TB S 0206	1330
BY R 0317	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: 169.500
 Rx Freq:
 Fwd Power: 5.0
 Rev Power: 0.0
 SWR: 1.09

Test Transmission

Port	Time	Count	Measure	Predicted
1330	10:39	27		0
1330	10:39	28		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0317	13.05	

Problem:

Action Taken: Installed Battery, TXR, TB, and desiccant. TXR OK. TB OK. RF OK. TB Connection needed repair. The blue holder fell out, super glued back in.

Site Notes:

Follow-Up: Check TB connector. (Blue Holder)

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	03-Mar-10
Time:	13:21	Status:	OK
Service Type:	Start Up	Technician:	DP

Configuration Changes	
Part #	Location
TX N 3105	1340
TB S 0201	1340
BY R 0211	1340

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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	13:42	326		0	
1340	13:42	327		0	
1343	13:35	472	5.02 psi	467	
1343	13:36	195	2.05 psi	191	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0211	12.99	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Chatfield Dam** Date: **25-Feb-10** Time: **11:29**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX N 3108	1350
TB S 0203	1350
BY R 0350	1350

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: **1350**
Jumpers:
Eprom: **9601-01-90 Ver. 3.9M**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1350	11:43	37		0
1350	11:44	38		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0350	12.92	

Problem:

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

Site Notes: 169.500 MHz

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver ZOO	Date:	26-Feb-10
Time:	10:53	Status:	OK
Service Type:	OneRain Service Ca	Technician:	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:	1360
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1360	10:54	253		0
1360	10:55	254		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TB. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver ZOO	Date:	25-Feb-10
Service Type:	Start Up	Time:	15:03
		Technician:	SB
		Status:	Rain down

Configuration Changes	
Part #	Location
TX N 3104	1360
TB S 0301	1360
BY R 0227	1360

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1360
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
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 battery, and desiccant. Had the wrong TB in truck. TB is not installed. RF OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fire Station 13** Date: **01-Mar-10** Time: **12:45**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 18530	1370
BY R 0423	1370
TX N 3102	9000
BY R 0202	9000

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	13:17	1		0
1370	13:19	2		0
1370	13:19	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0423	13.18	

Problem: Stopped reporting.

Action Taken: TXR programming looks OK. Replaced txr (HSE unit) and battery.RF OK. TB OK. Will monitor performance.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Fire Station 13

Date: 25-Feb-10

Time: 11:58

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX N 3102	1370
TB S 0401	1370
BY R 0202	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: 4.5
 Rev Power: 0.1
 SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
1370	12:14	334		0
1370	12:16	335		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0202	12.97	

Problem:**Action Taken:** Installed txr, battery, desiccant and TB. RF OK. TB OK.**Site Notes:** 169.500 MHz**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	10-Feb-10
Service Type:	OneRain Service Ca	Technician:	DP/MZ
		Time:	13:15
		Status:	OK

Configuration Changes	
Part #	Location
CE C073	1380
CE F014	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: Very erratic stage readings.

Action Taken: Replaced Comm Eng with latest programming. Bubbler appears to work properly under test conditions, but erratic (high) in lake. We cannot verify purge (bubbles) operation in lake. Set datalogger to timed tx only. Will monitor data, tubing may be frozen or may need to be replaced.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	04-May-10
Time:	12:20	Status:	Site Down
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: Troubleshooting.

Action Taken: Substituted bubbler, works OK. Removed bubbler for evaluation, possible return to vendor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	08-Jun-10
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	10:39
		Status:	OK

Configuration Changes	
Part #	Location
CBS 15M	1380

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 repaired bubbler.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	03-Mar-10
Service Type:	Start Up	Technician:	DP
			Time: 12:26
			Status: OK

Configuration Changes	
Part #	Location
TX J 15786	1400
TB J 3174	1400
BY R 0406	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:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
1400	12:54	1		0	
1400	12:55	2		0	
1403	12:48	1120	5.04 psi	1107	
1403	12:49	466	2.09 psi	460	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0406	12.98	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Diamond Hill	Date: 06-May-10	Time: 10:48	
Service Type: Inspection	Technician: DP	Status: OK	

Configuration Changes	
Part #	Location
BY R 0431	1420
BY R 0806	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	11:09	934		0
1420	11:10	935		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0431	12.89	

Problem:

Action Taken: Replaced battery and desiccant in txr. @ 11:06 ID 1421 raw = 35 => 35% RH, ID 1422 raw = 97 => 57 deg.F, psychrometer readings Td = 57 deg.F, Tw = 44 deg.F implying RH = 36% and dp = 30 deg.F. RF OK. Solar OK. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Diamond Hill** Date: **15-Dec-09** Time: **10:33**
Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0806	1420
BY R 0946	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 N 391	5.00	132	2.5	

Settings and Performance

Switches: **1420**
Jumpers:
Eprom: **9601-01-81 Ver 3.5**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
1420	11:30	777		0
1420	11:33	778		0
1420	11:34	779		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0806	13.02	
BY R 0310	132.02	

Problem: Transmitter erratically duplicates reports

Action Taken: Attempted to replace txr. Spare txr non-functional. Replaced battery and desiccant in txr. Benched txr. Solar OK. RF OK. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up: Replace txr when working spare available.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Urban Farm** Date: **11-Feb-10** Time: **10:50**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0349	1460
BY R 0828	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:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
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Problem: Erratic behavior, stops around 4:00 PM and restarts around 8:00 AM, suspect battery capacity impaired.

Action Taken: Replaced battery. Will monitor performance.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Urban Farm** Date: **02-Feb-10** Time: **10:06**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
CE C044	1460
CE BETA003	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
1460	10:24	2		0
1460	10:24	3		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed new Comm Eng with modification for TX "tail" to correct data losses. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	06-May-10
Service Type:	Inspection	Technician:	DP
		Time:	10:12
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0910	1460
BY R 0349	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:	4.4
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1460	10:27	109		0
1460	10:28	110		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0910	12.95	

Problem:

Action Taken: Replaced battery and desiccant in txr. @ 10:19 ID 1461 raw = 449 =>44.9% RH, ID 1462 raw = 892 => 49.2 deg.F, psychrometer readings Td = 51 deg.F, Tw = 42 deg.F implying RH = 49% and dp = 33 deg.F. Wind sensor rotating freely. Solar OK, RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **DIA @ Third Creek** Date: **29-Mar-10** Time: **12:05**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1011	1480
BY R 0335	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: **169.525**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1480	12:22	1		0
1480	12:22	2		0
1483	12:13	1009	5.01 psi	990
1483	12:14	411	2.06 psi	407
1484	12:18	1036	5.05 psi	1030
1484	12:19	417	2.03 psi	415

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. Both PT's tests OK, good hydraulic contact. RF OK. Solar OK. TB OK. Changed to 169.500 MHz.

Site Notes: Tracy 303-513-6351

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	25-Feb-10
Service Type:	Start Up	Technician:	SB
		Time:	12:26
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11033	1500
TB J 17973	1500
BY R 0923	1500

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1503	0.011	-0.0354	0.0085

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	
1500	13:05	1			0
1500	13:05	2			0
1503	12:49	2025	9.75 psi		1952
1503	12:50	1483	7.13 psi		1428
1503	12:51	1065	5.12 psi		1024
1503	12:52	661	3.17 psi		634
1503	12:53	238	1.13 psi		224
1503	12:54	943	4.53 psi		944
1503	12:55	441	2.11 psi		442

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed battery, TXR, TB, Desiccant, and dropped PT. PT OK with good hydraulic contact. TB OK. RF OK. TXR OK.

{Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0354), Std Error(0.0085), Calibration Date(2/25/2010 12:53:25 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	12-Apr-10
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Time:	11:31
		Status:	OK

Configuration Changes	
Part #	Location
PT D 2968218	1500
PT KPSI 06007	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1503	0.012	0.0731	0.017

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	
1500	11:53	50			0
1500	11:54	51			0
1503	11:45	1720	8.99 psi		1871
1503	11:45	1361	7.12 psi		1483
1503	11:46	961	5.03 psi		1049
1503	11:46	581	3.06 psi		638
1503	11:47	201	1.08 psi		227
1503	11:47	967	5.06 psi		966
1503	11:48	391	2.07 psi		392

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT drifting.

Action Taken: Replaced and calibrated PT, repeatability OK, good hydraulic contact. TB OK

{Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0120), Calibration Offset(0.0731), Std Error(0.0170), Calibration Date(4/12/2010 11:47:29 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Marston Lake** Date: **04-Mar-10** Time: **12:44**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
CE E116	1520
BY R 0915	1520
BY R 0248	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1520-0012-1112-11011**
 Jumpers: **J4 J10**
 Eprom: **AB-SP09**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0915	13.04	

Problem:

Action Taken: Replaced battery and desiccant. Installed new Comm Eng and changed radio frequency to 169.500 MHz. PT reading very low, needs program checked. RF OK. Solar OK. TB OK.

Site Notes: Comm Eng settings:

slpi1520
 svii1524
 slri0
 sid1520
 sse1
 ssp12:00
 sso06:20:00
 spe1
 sapc1
 sasn1
 she1

#: 204872

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Site ID: 1520

shp12:00
sho06:20:00
see0
sbe1
sbb1200
sbt1
sba0
sae0
sle1
flsh
rest

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Lowell** Date: **04-Mar-10** Time: **12:06**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 147	1530
TB S 0205	1530
BY R 0938	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	12:18	1		0
1530	12:18	2		0
1533	12:25	1146	5.10 psi	1126
1533	12:26	432	2.01 psi	427

Battery Tests

Battery #	V Quiescent	V Load
BY R 0938	13.14	

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. @ 12:30 ID 1533 raw = 187 => 2.76, Sutron SDR = 2.500, CDWR log from 3/4/10 @ 12:23 tape = 2.50, SDR = 2.500.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lakewood CC

Date: 02-Mar-10

Time: 10:29

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX J 18535	1550
TB J 8382	1550
BY R 0920	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: 4.4

Rev Power: 0.1

SWR: 1.36

Test Transmission

Port	Time	Count	Measure	Predicted
1550	10:39	1		0
1550	10:39	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0920	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: Lakewood Gulch Date: 12-Apr-10 Time: 12:33
Service Type: OneRain Service Ca Technician: DP/SB Status: OK

Configuration Changes

Part #	Location
TX CE F027	1560
TX CE B021	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:
Rev Power:
SWR:

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: Installed upgraded CE, 6.3.2. OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	02-Mar-10
Service Type:	Start Up	Technician:	DP
		Time:	10:58
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0510	1560

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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	11:12	1240	6.15 psi	1234	
1563	11:13	418	2.03 psi	409	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0510	13.14	

Problem:

Action Taken: Installed battery and desiccant. PT tests OK. RF OK.

Site Notes:

Follow-Up: Needs Comm Eng upgrade.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Englewood Dam Date: 18-Feb-10 Time: 13:52
 Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 23967	1600
TB J 18560	1600
BY R 0903	1600

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1600-00E
 Jumpers: C:J6,1-2,J3,5 off; L:J9,19
 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
1600	14:21	1		0
1600	14:25	2		0
1600	14:25	3		0
1603	14:10	1062	4.50 psi	1060
1603	14:11	315	1.27 psi	300

Battery Tests

Battery #	V Quiescent	V Load
BY R 0903	13.10	

Problem:

Action Taken: Installed battery, TXR, TB, Desiccant, and dropped PT. RF OK. TB OK. TXR OK. PT OK with good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	08-Apr-10
		Time:	12:55
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0835	1600
TX J 27313	1600
TX J 23967	9000
BY R 0903	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
1600	13:15	1		0
1600	13:17	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0835	13.19	

Problem: Previously was Txing all ID's, ok today.

Action Taken: Replaced txr and battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Holly Dam** Date: **18-Feb-10** Time: **12:27**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 19660	1610
BY R 0627	1610

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1613	0.011	-0.5477	0.1842

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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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: **4.0**
Rev Power: **0.0**
SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
1613	12:42	1010	4.73 psi	992
1613	13:03	1990	9.51 psi	1977
1613	13:04	1503	7.12 psi	1485
1613	13:05	1086	5.08 psi	1064
1613	13:06	689	3.13 psi	663
1613	13:07	354	1.49 psi	325
1613	13:08	47	0.00 psi	19
1613	13:09	1000	4.65 psi	998
1613	13:10	491	2.16 psi	490

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed Battery, TXR, and Desiccant. Dropped PT. PT OK with good Hydraulic contact.

{Auto Entry: Calibrated sensor 1613 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.5477), Std Error(0.1842), Calibration Date(2/18/2010 1:08:29 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Slaughterhouse Date: 17-May-10 Time: 10:35
Service Type: OneRain Service Ca Technician: DP/JL 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
1620	10:37	94		0
1620	10:38	95		0
1620	10:39	96		0

Battery Tests

Battery # V Quiescent V Load

Problem: Funnel plugged.

Action Taken: Cleared topsection funnel, cleaned TB, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Slaughterhouse** Date: **25-Feb-10** Time: **11:37**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8694	1620
TB J 21365	1620
BY R 0306	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: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
1620	12:08	1		0
1620	12:08	2		0
1623	11:55	1267	5.21 psi	1261
1623	11:56	587	2.40 psi	585

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed battery, txr, desiccant, and dropped PT. TB OK. PT OK with good hydraulic contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **S Platte @ Dart** Date: **06-May-10** Time: **12:22**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0265	1630

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: **1630-1950-0072-11011**
Jumpers: **JB1&4 off, JB2&3 on**
Eprom: **C**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 0265	12.98	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. @ 12:37 ID 1629 raw = 61 => 2.37, tape = 2.36.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	25-Jan-10
Service Type:	Inspection	Technician:	DP
		Time:	11:46
		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:	1630-1950-0072-11011
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	C
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Adjusted shaft encoder to match tape more closely. @ 11:51 ID 1629 raw = 2022 => 1.50, tape = 1.54, enc = 1.54.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	06-May-10
Time:	12:52		
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: Replaced battery and desiccant in txr. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	21-Jan-10
Time:	11:35		
Service Type:	Inspection	Technician:	DP/SB
Status:	OK		

Configuration Changes	
Part #	Location
BY J 0903	1640
BY J 0904	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:	171.875
Fwd Power:	3.5
Rev Power:	0.0
SWR:	1.11

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	12:47	1		0
1640	12:48	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0903	13.10	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. TB OK. Readdressed SDI 12 to address 1.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR at 19th Street** Date: **22-Jan-10** Time: **11:48**
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: @ 11:50 ID 1649 raw = 319 = 3.16, tape = 3.09, enc = 3.09. RF OK. CDWR log from 1/10/10
tape, enc and pen all = 3.07.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	06-May-10
Time:	11:29	Service Type:	Inspection
Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location
BY R 0233	1650
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 Performance	
Switches:	JB 9&10 @1&2,EvT-E,WL
Jumpers:	JB1off,JB2on,JB3on,Jb4o
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

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0233	12.94	

Problem:

Action Taken: Replaced battery and desiccant in txr. @ 11:36 ID 1649 raw = 417 => 4.14, tape = 4.07, enc = 4.07. RF OK. CDWR log from 5/5/10 @ 9:11 tape = 4.43, outside = 4.42, enc = 4.435, pen = 4.42.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	22-Jan-10
		Time:	11:14
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0949	1660
BY R 0323	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:	4.3
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	11:21	145		0
1660	11:22	146		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0949	13.21	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. TB OK. @ 11:17 ID 1659 raw = 403 = 4.03, tape = 4.18, enc = 4.18. CDWR log from last entry tape, enc and pen all = 4.20.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	06-May-10
		Time:	11:51
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
1700	11:56	234		0
1700	11:57	235		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	22-Jan-10
		Time:	12:30
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
1700	12:42	149		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Attempted to install new Comm Eng. physically to long for enclosure and 25 pin connector wiring appears changed (did not tx TB tip). Left in current configuration until changes worked out. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	10-Feb-10
		Time:	12:34
Service Type:	OneRain Service Ca	Technician:	DP/MZ
		Status:	OK

Configuration Changes	
Part #	Location
CE E143	1700
CE A001	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
1700	12:53	168		0
1700	12:54	169		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Troubleshoot Sutron interface.

Action Taken: Corrected Comm Eng program (SBE = 1). RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **14-Jun-10** Time: **11:33**
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
1700	11:32	278		0
1700	11:33	279		0

Battery Tests

Battery # V Quiescent V Load

Problem: Missed most of rain event.
Action Taken: TB funnel plugged, cleared. TB OK.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **25-Jan-10** Time: **10:47**
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:

Action Taken: Installed new Comm Eng, battery reports but does not appear to be communicating with the Sutron. Tried both ASCII and Binary, left as Binary. Will return to troubleshoot Sutron.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shop Creek	Date:	17-Jun-10
Service Type:	Start Up	Technician:	DP
		Time:	10:27
		Status:	OK

Configuration Changes	
Part #	Location
TB J 12717	1710
CE C053	1710
BY R 1029	1710

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1710-0012-0112-11011
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
1710	10:50	3		0
1710	10:51	4		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed new txr (Comm Eng), 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: **Cherry Ck/Steele**Date: **08-Apr-10**Time: **9:43**Service Type: **Start Up**Technician: **DP/SB**Status: **PT Down****Configuration Changes**

Part #	Location
TX J 21423	1720
TB H 561	1720
BY R 1004	1720

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

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: **4.4**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1720	10:20	1		0
1720	10:21	2		0
1720	10:22	3		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT test high, 100 counts, unable to replace due to poor design and frozen ground (will require digging up both ends of PT run), left disconnected. Intake still frozen as well. 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:	04-May-10
		Time:	10:22
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3262	1720
PT D 339345	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1723	0.011	-0.0052	0.0051

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	
1720	11:36	58			0
1720	11:36	59			0
1720	11:37	60			0
1723	10:54	1835	9.04 psi		1598
1723	10:54	1433	7.07 psi		1251
1723	10:55	1034	5.09 psi		903
1723	10:55	619	3.05 psi		543
1723	10:55	223	1.10 psi		199
1723	10:56	1034	5.09 psi		1030
1723	10:57	411	2.03 psi		410

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed new PT and calibrated, repeatability OK. Cleared intake, had to remove about 1 ft. due to corrosion/holes. Original installation used a cable gland to connect to the riser making it impossible to pull cable!! TB OK.
 {Auto Entry: Calibrated sensor 1723 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0052), Std Error(0.0051), Calibration Date(5/4/2010 10:56:01 AM)]}.

Site Notes: Note: to replace PT dig out riser and break PVC connection.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	04-Mar-10
		Time:	10:27
Service Type:	OneRain Service Ca	Technician:	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
1800	10:36	1		0
1800	10:36	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Cycled Power. Recieved data into contrail.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	03-Mar-10
Service Type:	Start Up	Technician:	SB
			Time: 10:47
			Status: PT Down

Configuration Changes	
Part #	Location
TX J 19661	1800
TB J 8453	1800
BY R 0403	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:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.0
SWR:	1.09

Test Transmission				
Port	Time	Count	Measure	Predicted
1800	11:47	1		0
1800	11:48	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0403	13.16	

Problem:

Action Taken: Installed Battery, TXR, TB and Desiccant. PT is malfunctioning. The diaphragm is torn away from the housing. PT is down. I placed jumper 3 back on the TXR so ID 1803 will NOT Transmit. TB OK. TXR OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	21-Jan-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	10:50
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0908	1810
BY R 0948	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:	3 and 5 off
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	
1810	11:02	77		0	
1810	11:03	78		0	
1810	11:03	79		0	
1813	10:58	1026	4.96 psi	1025	
1813	10:59	400	1.93 psi	401	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0908	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	28-Jun-10
		Time:	9:15
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0843	1810
BY R 0908	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:	3 and 5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission					
Port	Time	Count	Measure	Predicted	
1810	9:33	1		0	
1810	9:33	3		0	
1813	9:28	1039	5.06 psi	1046	
1813	9:29	425	2.06 psi	426	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0843	12.84	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced 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: **Hiwan** Date: **16-Mar-10** Time: **10:04**
 Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
CE F014	2210
BY R 0610	2210
BY R 0844	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:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
2210	10:23	1		0
2210	10:23	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0610	13.07	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced Comm Eng. RF poor, suspect meter. Solar OK. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	05-May-10
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:51
		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	
2223	11:59	1139	5.01 psi	1121	
2223	12:00	467	2.04 psi	463	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT not tested or lowered due to ice.
Action Taken: PT tests OK, good hydraulic contact.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	16-Mar-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	11:35
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0217	2220
BY R 0848	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:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0217	13.12	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. Unable to test PT, ice in riser, unable to return PT to proper depth for same reason. Will return when lake thawed. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Cub	Date:	16-Mar-10
Time:	11:15	Service Type:	Inspection
Technician:	DP/SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 25158	2230
TB H 616	2230
BY R 0404	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:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
2230	11:31	1		0	
2230	11:31	2		0	
2233	11:25	1135	5.07 psi	1117	
2233	11:26	500	2.05 psi	488	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0404	12.98	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Cold Spring Glch Date: 17-Mar-10 Time: 11:35
 Service Type: Start Up Technician: DP/SB Status: OK

Configuration Changes

Part #	Location
TX J 25150	2240
TB H 514	2240
BY R 9736	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	11:47	1		0
2240	11:48	2		0
2243	11:41	1050	5.07 psi	1046
2243	11:42	419	2.03 psi	421

Battery Tests

Battery #	V Quiescent	V Load
BY R 9736	12.75	

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:	16-Mar-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	10:46
		Status:	OK

Configuration Changes	
Part #	Location
TX J 21421	2250
TB H 635	2250
BY R 0222	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:	4.3
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
2250	11:02	1			0
2250	11:03	2			0
2253	10:56	1096	5.17 psi		1085
2253	10:57	444	2.06 psi		444

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

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Brook Forest** Date: **16-Mar-10** Time: **12:46**
Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25149	2260
TB H 557	2260
BY R 0248	2260

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: **2260-0012-0112-11011**
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
2260	12:51	1		0
2260	12:53	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0248	132.96	

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: **16-Mar-10** Time: **12:16**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25146	2270
TB H 560	2270
BY R 9626	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: **3.8**
 Rev Power: **0.0**
 SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
2270	12:32	1		0
2270	12:32	2		0
2270	12:33	3		0
2273	12:25	1050	5.02 psi	1036
2273	12:26	438	2.08 psi	430

Battery Tests

Battery #	V Quiescent	V Load
BY R 9626	12.90	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Kinney Peak**Date: **16-Mar-10**Time: **13:29**Service Type: **Start Up**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 25157	2280
TB H 553	2280
BY R 0929	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: **4.1**
 Rev Power: **0.0**
 SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
2280	13:39	1		0
2280	13:40	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0929	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:	Genesee Village	Date:	16-Mar-10
Time:	9:10	Service Type:	Start Up
Technician:	DP/SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 25156	2310
TB H 552	2310
BY R 0901	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2310	9:25	1		0
2310	9:25	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0901	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:	Choke Cherry Res	Date:	17-Mar-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	12:39
		Status:	OK

Configuration Changes	
Part #	Location
BY K 0005	2320
BY R 0911	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:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
2320	13:02	153		0
2320	13:02	154		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in rptr. Replaced cavity filter with a crystal filter on input antenna. Solar OK. 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:	16-Mar-10
		Time:	9:28
Service Type:	Inspection	Technician:	DP/SB
		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: Could not access, deep snow.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	17-Mar-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	11:08
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0637	2330
BY R 0922	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
2330	11:19	1			0
2330	11:19	2			0
2333	11:12	1186	5.04 psi		1175
2333	11:13	485	2.03 psi		475

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0637	12.95	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. Solar OK. TB OK. @ 11:16 ID 2333 raw = 290 => 5.68, tape = 5.70, enc = 5.703. Last CDWR log tape = 5.63, enc = 5.63, pen = 5.63.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **El Rancho** Date: **16-Mar-10** Time: **9:38**
Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 23326	2340
TB J 10736	2340
BY R 0625	2340

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: **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: **2.5**
Rev Power: **0.2**
SWR: **1.79**

Test Transmission

Port	Time	Count	Measure	Predicted
2340	9:52	1		0
2340	9:52	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0625	13.12	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. RF poor but getting in. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Idledale** Date: **17-Mar-10** Time: **11:57**
Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25147	2350
TB H 570	2350
BY EPR 0212	2350

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: **2350-0012-0112-11011**
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
2350	12:04	1		0
2350	12:04	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY EPR 0212	13.28	

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: **Indian Hills** Date: **16-Mar-10** Time: **14:06**
Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25152	2360
TB H 467	2360
BY R 144	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	14:12	1		0
2360	14:14	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 144	12.91	

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: **17-Mar-10** Time: **10:46**
 Service Type: **Start Up** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25148	2370
TB H 1175	2370
BY R 0213	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: **4.9**
 Rev Power: **0.0**
 SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
2370	11:00	1		0
2370	11:01	2		0
2373	10:55	1078	5.02 psi	1066
2373	10:56	445	2.00 psi	440

Battery Tests

Battery #	V Quiescent	V Load
BY R 0213	12.96	

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: **21-Jan-10** Time: **11:23**
 Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0432	4010
BY R 0627	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: **4.8**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4010	11:38	1		0
4010	11:38	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0432	12.99	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Crescent Rain** Date: **10-May-10** Time: **9:24**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0349	4010
BY R 0432	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: **4010**
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
4010	9:34	1		0
4010	9:34	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0349	13.42	

Problem:

Action Taken: Replaced battery and desiccant in txr. 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: **10-May-10** Time: **9:49**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0634	4020
BY R 0931	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: **26.0**
 Rev Power: **0.1**
 SWR: **1.13**

Test Transmission

Port	Time	Count	Measure	Predicted
4020	10:04	1		0
4020	10:05	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0634	13.23	

Problem:

Action Taken: Replaced 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: **Rio Grande Rain** Date: **21-Jan-10** Time: **11:55**
 Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0931	4020
BY R 0317	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: **15.0**
 Rev Power: **0.1**
 SWR: **1.18**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0931	12.88	

Problem:

Action Taken: Changed battery and desiccant. TXR OK. RF OK. TB OK. Solar OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Red Garden Rain Date: 17-Dec-09 Time: 10:28
Service Type: Inspection Technician: DP/SB Status: OK

Configuration Changes

Part #	Location
TB J 21329	4030
BY R 0618	4030
TB BC 20	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	125	2.5	

Settings and Performance

Switches: 4030-00e
 Jumpers: C: J5 off
 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
4030	11:23	1		0
4030	11:23	2		0
4030	11:24	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0618	13.12	

Problem:

Action Taken: Installed new top section and TB. Replaced battery and desiccant in txr. Benched txr. RF OK, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Garden Rain	Date:	22-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	11:08
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1036	4030
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:	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	11:29	1		0
4030	11:30	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Martin Gulch** Date: **10-May-10** Time: **12:13**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1011	4040
BY R 0933	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: **4040-00E**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **19.0**
Rev Power: **0.1**
SWR: **1.16**

Test Transmission

Port	Time	Count	Measure	Predicted
4040	12:26	1		0
4040	12:27	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced 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: 10-May-10 Time: 11:26
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 1016	4050
BY R 0619	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: 4050-00E
Jumpers:
Eprom:
Tx Freq: 169.500
Rx Freq:
Fwd Power: 4.5
Rev Power: 0.1
SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
4050	11:44	126		0
4050	11:45	127		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced 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: Lakeshore Date: 10-May-10 Time: 10:59
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 0405	4060
BY R 0633	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	11:15	1		0
4060	11:15	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0405	13.24	

Problem:

Action Taken: Replaced 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:	Bear Peak	Date:	10-May-10
Service Type:	Inspection	Technician:	DP
			Time: 12:59
			Status: OK

Configuration Changes	
Part #	Location
BY R 1015	4070
BY R 0905	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:	25.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4070	13:16	2		0
4070	13:15	1		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced 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 LogSite Name: **Twin Sisters**Date: **21-Jan-10**Time: **14:38**Service Type: **Inspection**Technician: **SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0220	4080
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: **4080-00E**
 Jumpers:
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **20.0**
 Rev Power: **1.0**
 SWR: **1.58**

Test Transmission

Port	Time	Count	Measure	Predicted
4080	14:58	1		0
4080	14:58	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0220	12.90	

Problem:**Action Taken:** Replaced 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:	Twin Sisters	Date:	21-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	11:11
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1034	4080
BY R 0220	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:	25.0
Rev Power:	0.4
SWR:	1.29

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1034	13.03	

Problem:

Action Taken: Replaced 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: **Magnolia** Date: **27-Jan-10** Time: **10:56**
Service Type: **Inspection** Technician: **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
4090	11:06	1		0
4090	11:10	2		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Fixed Tipping Bucket by installing new connector.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Magnolia** Date: **21-Jun-10** Time: **11:36**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0919	4090
BY R 0843	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: **09**
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
4090	11:54	1		0
4734	11:57	173		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0919	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Filter Plant	Date:	12-Jan-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	10:49
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0909	4100
BY R 0348	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2186	5.00	-315	2.2	

Settings and Performance	
Switches:	4100-E00
Jumpers:	JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
4100	10:56	1		0
4100	10:57	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0909	13.01	

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:	Filter Plant	Date:	21-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	12:33
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1027	4100
BY R 0909	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	12:43	1		0
4100	12:43	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1027	13.07	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Betasso** Date: **12-Jan-10** Time: **11:17**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0946	4110

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 2180	5.00	216	2.5	

Settings and Performance

Switches: **.1**
Jumpers: **JB5 off,JB7 on**
Eprom: **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
4110	11:52	10		0
4110	11:50	9		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0946	13.08	

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:	Betasso	Date:	21-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	12:58
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1039	4110
BY R 0946	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:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4110	13:12	1		0
4110	13:12	2		0

Battery Tests		
Battery #	V Quiescent	V Load

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: **Swiss Peaks** Date: **27-Jan-10** Time: **12:33**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0944	4130
BY R 0811	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: **4130**
Jumpers: **JB5 off,JB7 on**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.8**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4130	12:53	1		0
4130	12:53	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Swiss Peaks** Date: **23-Jun-10** Time: **10:25**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1025	4130
BY R 0944	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: **4130**
Jumpers: **JB5 off,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
4130	10:43	1		0
4130	10:44	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1025	13.08	

Problem:

Action Taken: Replaced 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: **Logan Mill** Date: **21-Jun-10** Time: **13:57**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1037	4140
BY R 0939	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: **4140-00E**
Jumpers: **C:J5 off; L:J7,11 on**
Eprom: **R 1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **26.0**
Rev Power: **1.0**
SWR: **1.49**

Test Transmission

Port	Time	Count	Measure	Predicted
4140	14:09	1		0
4140	14:09	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced 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: **Logan Mill** Date: **15-Jan-10** Time: **11:04**
 Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0939	4140
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: **4140-00E**
 Jumpers: **C:J5 off; L:J7,11 on**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **18.0**
 Rev Power: **0.2**
 SWR: **1.24**

Test Transmission

Port	Time	Count	Measure	Predicted
4140	11:07	2		0
4140	11:07	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0939	13.03	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gold Hill** Date: **15-Jan-10** Time: **11:31**
Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0345	4150
BY R 0813	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: **15**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **17.5**
Rev Power: **0.1**
SWR: **1.16**

Test Transmission

Port	Time	Count	Measure	Predicted
4150	11:40	1		0
4150	11:40	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0345	12.76	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill	Date:	26-May-10
Service Type:	Inspection	Technician:	DP
		Time:	12:38
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0226	4150
BY R 0345	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:	10.0
Rev Power:	0.0
SWR:	1.07

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0226	13.07	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sunshine** Date: **26-May-10** Time: **12:03**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0343	4160
BY R 0257	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: **4160**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 0343	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 Log

Site Name: **Sunshine** Date: **15-Jan-10** Time: **13:00**
Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0257	4160

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: **4160**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4160	13:09	263		0
4160	13:16	264		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0257	13.00	

Problem:

Action Taken: Replaced battery and dsicccant 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: 13-Jan-10 Time: 11:48
Service Type: Inspection Technician: SB/DP Status: OK

Configuration Changes

Part #	Location
BY R 0511	4170
BY R 0816	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: 4170-00E
Jumpers:
Eprom:
Tx Freq: 169.500
Rx Freq:
Fwd Power: 4.7
Rev Power: 0.1
SWR: 1.34

Test Transmission

Port	Time	Count	Measure	Predicted
4170	12:12	4		0
4170	12:13	5		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0511	13.02	

Problem:

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

Site Notes:

Follow-Up: Bring copper ground wire next time. Chain loop broke for txx.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Pinebrook Date: 24-Jun-10 Time: 13:46
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 0913	4170

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: 4170-00E
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
4170	14:13	1		0
4170	14:13	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0913	13.14	

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: **Gold Lake** Date: **27-May-10** Time: **11:46**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0601	4180
BY R 0507	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: **0918**
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
4180	12:00	1		0
4180	12:00	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0601	13.12	

Problem:

Action Taken: Replaced 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: **Slaughterhouse** Date: **02-Jun-10** Time: **10:44**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0301	4190
BY R 0849	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: **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	11:06	1		0
4190	11:06	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0301	13.25	

Problem:

Action Taken: Replaced 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: **Lazy Acres** Date: **13-Jan-10** Time: **12:50**
Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0925	4200
BY R 9735	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: **4200-E00**
Jumpers: **JB5 off, JB7 on**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.2**
Rev Power: **0.1**
SWR: **1.36**

Test Transmission

Port	Time	Count	Measure	Predicted
4200	12:59	1		0
4200	13:00	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0925	12.92	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lazy Acres** Date: **26-May-10** Time: **10:48**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0905	4200
BY R 0925	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: **4200-E00**
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
4200	10:59	1		0
4200	11:00	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0905	13.04	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Repeater	Date:	23-Feb-10
Time:	11:29	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP/SB

Configuration Changes	
Part #	Location
RP N 2069	4210
BY R 0630	4210
BY R 0305	4210
RP N 2071	9000
BY K 0005	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:	LeeHill Translate
Tx Freq:	171.875
Rx Freq:	169.500
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Died.

Action Taken: Replaced rptr. and batteries. verified operation.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lee Hill Repeater Date: 26-May-10 Time: 10:19
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: Correct receive while transmit status.

Action Taken: Corrected status for receive while transmitting for all 3 active pass lists.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lee Hill Repeater Date: 09-Apr-10 Time: 9:13
Service Type: OneRain Service Ca Technician: CR Status: OK

Configuration Changes

Part #	Location
RP N 2340	4210
RP N 2069	9000
BY R 0630	9000
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

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced repeater configured for ALERT2 and installed A2 equipment.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Repeater	Date:	13-Jan-10
Service Type:	Inspection	Technician:	SB/DP
		Time:	13:26
		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:	LeeHill Translate
Tx Freq:	171.875
Rx Freq:	169.500
Fwd Power:	18.0
Rev Power:	0.1
SWR:	1.16

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flings** Date: **27-May-10** Time: **12:39**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0310	4220
BY R 0941	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: **0A22**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **20.0**
Rev Power: **0.2**
SWR: **1.22**

Test Transmission

Port	Time	Count	Measure	Predicted
4220	12:50	1		0
4220	12:50	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0310	12.98	

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:	Flings	Date:	12-Jan-10
Service Type:	Inspection	Technician:	DP/SB
			Time: 13:25
			Status: OK

Configuration Changes	
Part #	Location
BY R 0941	4220
BY R 0311	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8758	5.00	320	2.5	

Settings and Performance	
Switches:	0A22
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	1.1
SWR:	1.61

Test Transmission				
Port	Time	Count	Measure	Predicted
4220	13:35	1		0
4220	13:35	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0941	12.75	

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: **Golden Age** Date: **01-Feb-10** Time: **11:05**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0823	4230
BY R 0621	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: **15.0**
Rev Power: **0.1**
SWR: **1.18**

Test Transmission

Port	Time	Count	Measure	Predicted
4230	11:18	1		0
4230	11:20	2		0
4230	11:20	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0823	12.80	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Golden Age** Date: **02-Jun-10** Time: **11:41**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0507	4230
BY R 0823	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: **25.0**
Rev Power: **0.2**
SWR: **1.2**

Test Transmission

Port	Time	Count	Measure	Predicted
4230	11:55	1		0
4230	11:56	2		0
4791	11:57	104		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0507	13.21	

Problem:

Action Taken: Replaced 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: **Sunset** Date: **26-May-10** Time: **13:16**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1017	4240
BY R 0601	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

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: **22.0**
 Rev Power: **0.1**
 SWR: **1.14**

Test Transmission

Port	Time	Count	Measure	Predicted
4240	13:46	1		0
4240	13:46	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. No RF power, replaced radio, RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sunset** Date: **15-Jan-10** Time: **11:59**
Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0601	4240
BY R 0611	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

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: **0.2**
SWR: **1.22**

Test Transmission

Port	Time	Count	Measure	Predicted
4240	12:11	1		0
4240	12:12	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0601	13.00	

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: **Geer Canyon** Date: **01-Jun-10** Time: **10:33**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0931	4250
BY R 0301	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: **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: **4.8**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4250	10:48	1		0
4250	10:49	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0931	12.92	

Problem:

Action Taken: Replaced 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 LogSite Name: **Geer Canyon**Date: **01-Feb-10**Time: **13:14**Service Type: **Inspection**Technician: **SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0301	4250
BY R 0820	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: **4.1**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4250	13:34	1		0
4250	13:34	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0301	13.10	

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

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Taylor Mountain	Date:	02-Feb-10
Service Type:	Inspection	Technician:	SB
		Time:	14:45
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0254	4260
BY R 0814	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:	35.0
Rev Power:	1.0
SWR:	1.41

Test Transmission				
Port	Time	Count	Measure	Predicted
4260	15:01	1		0
4260	15:01	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0254	12.65	

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:	Taylor Mountain	Date:	24-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	11:02
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0939	4260
BY R 0254	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:	22.0
Rev Power:	0.2
SWR:	1.21

Test Transmission				
Port	Time	Count	Measure	Predicted
4260	11:14	1		0
4260	11:18	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0939	12.83	

Problem:

Action Taken: Replaced 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: **Cannon Mountain** Date: **27-May-10** Time: **13:23**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0505	4270
BY R 0825	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: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4270	13:35	1		0
4270	13:35	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0505	13.08	

Problem:

Action Taken: Replaced 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: **Red Hill** Date: **01-Jun-10** Time: **11:18**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 15177	4290
BY R 0925	4290
BY R 0919	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Battery Tests

Battery #	V Quiescent	V Load
BY R 0925	13.12	

Problem:

Action Taken: Replaced 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:	Big Elk Park	Date:	24-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	11:51
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0946	4300

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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	12:08	1		0
4300	12:08	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0946	13.15	

Problem:

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

Site Notes:

Follow-Up: Replace solar, add regulator

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Johnny Park	Date:	15-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	14:33
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1021	4310
BY R 0935	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:	26.0
Rev Power:	0.5
SWR:	1.32

Test Transmission				
Port	Time	Count	Measure	Predicted
4310	14:45	1		0
4310	14:45	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced 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: Hansen Date: 01-Jun-10 Time: 12:25
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 0941	4330
BY R 0836	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: 4330-00E
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
4330	12:35	1		0
4330	12:36	2		0

Battery Tests

Battery #	V Quiescent	V Load
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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: 25-May-10	Time: 11:19
Service Type: Inspection	Technician: DP	Status: OK

Configuration Changes

Part #	Location
BY R 0633	4340
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: **0834**

Jumpers:

Eprom:

Tx Freq: **169.500**

Rx Freq:

Fwd Power: **16.0**

Rev Power: **0.1**

SWR: **1.17**

Test Transmission

Port	Time	Count	Measure	Predicted
4340	11:37	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0633	13.12	

Problem:

Action Taken: Replaced 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: **Conifer Hill** Date: **02-Feb-10** Time: **13:55**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0801	4350
BY R 0349	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: **0935**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **35.0**
Rev Power: **0.1**
SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
4350	14:13	4		0
4350	14:13	5		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0801	12.85	

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: Conifer Hill	Date: 25-May-10	Time: 12:38
Service Type: Inspection	Technician: DP	Status: OK

Configuration Changes

Part #	Location
BY R 0432	4350
BY R 0801	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: **22.0**
 Rev Power: **0.1**
 SWR: **1.14**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0432	12.98	

Problem:

Action Taken: Replaced 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: Justice Center	Date: 02-Feb-10	Time: 11:39	
Service Type: Inspection	Technician: DP	Status: OK	

Configuration Changes	
Part #	Location
BY R 0947	4360
BY R 0253	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.01
Jumpers:	14.2
Eprom:	32
Tx Freq:	8.000
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 R 0947	13.03	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. TB OK. Solar OK. Added additional strap to hold top section in place.

Site Notes:

Follow-Up: Top section screen needed.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Justice Center** Date: **22-Jun-10** Time: **12:56**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1026	4360
TB J 23179	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: **.01**
Jumpers: **14.2**
Eprom: **32**
Tx Freq: **8.000**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4360	13:23	1		0
4360	13:23	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. Replaced topsection large screen.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gross** Date: **21-Jan-10** Time: **13:00**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0408	4370
BY R 0847	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: **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: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
4373	13:19	1126	5.39 psi	1110
4373	13:20	365	1.73 psi	355

Battery Tests

Battery #	V Quiescent	V Load
BY R 0408	12.80	

Problem:

Action Taken: Changed battery and desiccant. PT OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gross** Date: **10-May-10** Time: **10:36**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0806	4370
BY R 0408	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: **4370-**
Jumpers: **C:JB6,2-3,JB3,4,5 off;L:J**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq: **171.875**
Fwd Power: **4.9**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4373	10:39	1051	5.05 psi	1039
4373	10:40	429	2.04 psi	419

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in vent box. PT tests OK, good hydraulic contact. RF OK. @10:41 ID 4373 raw = 61 => 0.38, enc = 0.35. CDWR log from 4/14/10 @ 11:42 tape = 0.55, outside = 0.54, enc 0.55, pen = 0.55.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	22-Jun-10
Service Type:	Inspection	Technician:	DP
			Time: 10:16
			Status: OK

Configuration Changes	
Part #	Location
BY R 1033	4380
BY R 0907	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4383	0.010	-0.2352	0.0677

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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:	4.3
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
4383	10:45	1970	8.55 psi	1815	
4383	10:46	1641	7.06 psi	1500	
4383	10:47	1198	5.07 psi	1079	
4383	10:48	730	3.06 psi	654	
4383	10:49	258	1.07 psi	233	
4383	10:51	500	2.09 psi	501	
4383	10:52	1196	5.05 psi	1177	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. PT tests high, recalibrated, repeatability OK, good hydraulic contact. RF OK. @ 11:55 ID 4383 raw = 181 => 2.55, tape = 2.62, enc= 2.62. CDWR log from 6/14/10 @ 12:32 tape, enc and pen = 3.10. {Auto Entry: Calibrated sensor 4383 by linear regression. Modified calibration data. New calibration [Slope(0.0101), Calibration Offset(-0.2352), Std Error(0.0677), Calibration Date(6/22/2010 10:49:30 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	17-Dec-09
Service Type:	Inspection	Technician:	DP/SB
		Time:	11:39
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0907	4380
BY R 0827	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	212	2.4	

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:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. RF OK. Unable to test PT, frozen at surface.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Boulder Falls** Date: **30-Mar-10** Time: **11:39**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0320	4390

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: **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
4393	11:50	1196	5.07 psi	1181
4393	11:51	480	2.04 psi	475

Battery Tests

Battery #	V Quiescent	V Load
BY R 0320	13.15	

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:	Orodell	Date:	22-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	12:28
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1038	4400
BY R 0913	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-
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	
4403	12:38	1061	5.06 psi	1046	
4403	12:39	436	2.06 psi	428	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. PT tests OK, good hydraulic contact. RF OK. @ 12:40 ID 4403 raw = 244 => 3.28, tape and enc = 3.10. CDWR log from 6/6/10 @ 8:57 tape, enc and pen = 3.42.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fourmile** Date: **30-Mar-10** Time: **12:30**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 2182	4410
BY R 0819	4410

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: **4410-00E**
Jumpers: **L:JB8,1-2;JB9,10,2-3,JB7**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq: **171.875**
Fwd Power: **4.5**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4413	12:42	1173	5.00 psi	1190
4413	12:43	473	2.02 psi	481

Battery Tests

Battery #	V Quiescent	V Load
BY R 0819	13.14	

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: **Bridge** Date: **30-Mar-10** Time: **11:06**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location
BY R 0417 **4420**

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

Switches: **4420-00B**
Jumpers: **C:J6,2-3 L:J8,1-2;J9,10,2-**
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
4423	11:20	1066	5.09 psi	1046
4423	11:21	447	2.08 psi	427

Battery Tests

Battery # V Quiescent V Load
BY R 0417 **13.12**

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-May-10 Time: 11:15
Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
TX J 21422	4450
BY R 0921	4450

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: 57EE
Tx Freq: 169.500
Rx Freq:
Fwd Power: 4.8
Rev Power: 0.0
SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 0921	12.97	

Problem: Quit 4/21/10

Action Taken: Txr dead. Replaced txr and battery. RF OK.

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:	27-May-10
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	10:31
		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: Still over reporting.

Action Taken: Tightened power connection to signal conditioning module and adjusted tx delta to 20 counts as stream turbulence appears to be exceeding 5 count delta. Will monitor .

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:	25-May-10
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	10:04
		Status:	OK

Configuration Changes	
Part #	Location
TX J 28972	4460
BY R 0927	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:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stage over reporting.

Action Taken: PT and signal conditioning stable, removed txr for evaluation, replaced txr with spare. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	25-May-10
Service Type:	Inspection	Technician:	DP
			Time: 13:36
			Status: PT Down

Configuration Changes	
Part #	Location
BY R 0312	4470
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:	4470-B00
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	18.0
Rev Power:	0.1
SWR:	1.16

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	07-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	10:36
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0302	4490
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:	4490-00E
Jumpers:	
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
4490	10:49	1		0
4490	10:49	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced 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: **Apple Valley** Date: **11-Feb-10** Time: **11:11**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0824	4490
BY EPR 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
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Settings and Performance

Switches: **4490-00E**
Jumpers:
Eprom: **R 1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
4490	11:25	1		0
4490	11:25	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0824	13.00	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Pinewood Spring	Date:	15-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	13:38
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1023	4510
BY R 0323	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:	23.0
Rev Power:	1.0
SWR:	1.53

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1023	13.12	

Problem:

Action Taken: Replaced 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: Pinewood Spring Date: 02-Feb-10 Time: 10:03
Service Type: Inspection Technician: SB Status: OK

Configuration Changes

Part #	Location
BY R 0323	4510
BY R 0628	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: 4510
Jumpers:
Eprom:
Tx Freq: 169.500
Rx Freq:
Fwd Power: 30.0
Rev Power: 5.0
SWR: 2.38

Test Transmission

Port	Time	Count	Measure	Predicted
4510	10:26	1		0
4510	10:26	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0323	13.13	

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: **Eagle Ridge** Date: **15-Jun-10** Time: **11:11**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0824	4520
BY R 0257	4520
BY R 0845	9000
BY R 0422	9000
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:
 Jumpers:
 Eprom: **4520E**
 Tx Freq: **169.500**
 Rx Freq: **169.500**
 Fwd Power: **4.7**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4520	11:36	1598		0
4520	11:36	1599		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0824	12.91	
BY R 0257	12.96	

Problem:

Action Taken: Replaced batteries 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:	Eagle Ridge	Date:	02-Feb-10
Service Type:	Inspection	Technician:	SB
		Time:	12:44
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0411	4520
BY R 0218	4520
BY R 0625	9000
BY R 0326	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:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
4520	12:50	1366		0
4520	13:05	1373		0
4520	13:07	1374		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0411	13.07	
BY R 0218	13.18	

Problem:

Action Taken: Replaced batteries 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: **Eagle Ridge** Date: **09-Feb-10** Time: **13:56**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0845	4520
BY R 0422	4520
BY R 0625	9000
BY R 0326	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:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
4520	14:36	1380		0
4520	14:36	1381		0

Battery Tests

Battery #	V Quiescent	V Load

Problem: Losing power.

Action Taken: Solar connector intermittant, replaced. Solar OK. Replaced batteries as well. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Winiger Ridge** Date: **21-Jan-10** Time: **14:05**
 Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0247	4530
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: **4530-00E**
 Jumpers: **C:J5 off; L:J7,11 on**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **15.0**
 Rev Power: **1.0**
 SWR: **1.7**

Test Transmission

Port	Time	Count	Measure	Predicted
4530	14:17	1		0
4530	14:17	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0247	12.75	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Winiger Ridge** Date: **21-Jun-10** Time: **10:34**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1032	4530
BY R 0247	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: **4530-00E**
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
4530	10:51	1		0
4530	10:51	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1032	13.06	

Problem:

Action Taken: Replaced 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:	Louisville Rptr	Date:	20-Jan-10
Time:	11:25	Service Type:	Inspection
Technician:	SB/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:	4540 C
Tx Freq:	169.500
Rx Freq:	169.500
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Boulder Jail** Date: **12-Jan-10** Time: **9:53**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0303	4550
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
TX J 2514	5.00	-66	2.4	

Settings and Performance

Switches: **4550-00E**
Jumpers:
Eprom: **R1.8 585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4550	10:02	1		0
4550	10:03	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0303	13.11	

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: **Boulder Jail** Date: **11-May-10** Time: **10:29**
Service Type: **Inspection** Technician: **DP/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0434	4550
BY R 0303	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: **4.8**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4550	10:47	1		0
4550	10:47	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0434	13.11	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lyons Diversion** Date: **07-Jun-10** Time: **11:13**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0836	4560
BY R 0838	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: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4563	11:23	1195	5.08 psi	1198
4563	11:24	482	2.05 psi	483

Battery Tests

Battery #	V Quiescent	V Load
BY R 0836	13.00	

Problem:

Action Taken: Replaced battery and desiccant in txr. 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: **St. Antons** Date: **12-Jan-10** Time: **12:49**
Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0310	4570
BY R 0841	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 2684	5.00	-315	2.3	

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: **43.7**
Rev Power: **0.1**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4570	12:58	1		0
4570	12:59	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0310	13.01	

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: **St. Antons** Date: **15-Jan-10** Time: **10:00**
Service Type: **OneRain Service Ca** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0829	4570
BY R 0841	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:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 0829	13.06	

Problem: Battery dead.

Action Taken: Txr locked up. Replaced battery/reset. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **St. Antons** Date: **23-Jun-10** Time: **11:19**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1030	4570
BY R 0829	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	11:29	1		0
4570	11:29	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1030	13.04	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broadway** Date: **22-Jun-10** Time: **13:39**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY J 0905	4580
BY J 0405	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:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY J 0905	13.05	

Problem: Battery low.

Action Taken: Replaced battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	21-Apr-10
Time:	11:06	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: Stopped reporting.

Action Taken: Antenna not connected, attached cable, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	12-Jan-10
Service Type:	Inspection	Technician:	DP/SB
		Time:	9:21
		Status:	OK

Configuration Changes	
Part #	Location
BY J 0902	4590
BY EPJ 0202	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:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0902	12.84	

Problem:

Action Taken: Replaced battery and desiccant in enclosure. Loaded LO program. RF OK. Solar OK. PT frozen in at surface. Gate locked.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Hills Mills Date: 03-Feb-10 Time: 11:01
Service Type: OneRain Service Ca Technician: DP/SB Status: OK

Configuration Changes

Part #	Location
BY S 0119	4710
BY S 0126	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: 4710
Jumpers:
Eprom: Ver 3.4
Tx Freq: 169.500
Rx Freq:
Fwd Power: 4.0
Rev Power: 0.1
SWR: 1.38

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY S 0119	13.13	

Problem: Power problems.

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. Removed battery at 6 V.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Hills Mills Date: 23-Jun-10 Time: 12:03
 Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 1031	4710
BY S 0119	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: 4.3
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
4710	12:18	2002		0
4710	12:18	2003		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1031	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. @ 12:38 ID 4711 raw = 136 => 53.33 % RH, ID 4712 raw = 137 => 57 deg.F, psychrometer readings Td = 59 deg.F, Tw = 50 deg.F implying RH = 58% and dp = 44 deg.F

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sugarloaf** Date: **27-Jan-10** Time: **11:39**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY S 0001	4730
BY S 0119	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: **4730**
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
4730	12:07	205		0
4730	12:07	206		0

Battery Tests

Battery #	V Quiescent	V Load
BY S 0001	13.04	

Problem:

Action Taken: Replaced battery and desiccant in TXR and RH. TB OK. RF OK. Wind OK. AT OK. RH OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	23-Jun-10
		Time:	9:37
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1035	4730
BY S 0001	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:	5.5
Rev Power:	0.0
SWR:	1.09

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	10:01	457		0
4730	10:02	458		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1035	13.04	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 9:53 ID 4731 raw = 143 => 56.08% RH, ID 4732 raw = 143 => 63 deg.F, psychrometer readings Td = 64 deg.F, Tw = 54 deg.F implying RH = 56% and dp = 48 deg. F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	11-May-10
Service Type:	Inspection	Technician:	DP/PB
			Time: 11:13
			Status: OK

Configuration Changes	
Part #	Location
BY R 0337	4750
BY R 0343	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:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
4750	11:35	611		0
4750	11:35	613		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0337	13.34	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK.
 @ 11:22 ID 4751 raw = 213 => 83.53% RH, ID 4572 raw = 121 => 41 deg.F, psychrometer reading Td = 41 deg.F, Tw = 39 deg.F implying RH = 85% and dp = 37 deg.F. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Louisville WTP** Date: **20-Jan-10** Time: **10:58**
Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0343	4750
BY R 0301	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: **v. 3.4R**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
4750	11:17	501		0
4750	11:18	502		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0343	13.12	

Problem:

Action Taken: Replaced battery and dessicant. TXR, Solar, BP, Wind OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Barker Dam via Betas** Date: **13-Jan-10** Time: **8:22**
 Service Type: **Inspection** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
DL CS 6764	4760
CE C086	4760
BY R 0613	4760
BY R 0322	4760

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: **4.2**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 0322	13.37	

Problem:

Action Taken: Checked battery and radio. Updated maintenance tracker.

Site Notes: Located accross roof, upstiars, in corner, in weight room, hanging on wall. Installed in 2008 brought on line in 2009. Values are skimmed from the Betasso PLC system.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: CalWood Ranch Date: 01-Feb-10 Time: 11:44
Service Type: Inspection Technician: SB Status: OK

Configuration Changes

Part #	Location
BY R 0324	4770
BY R 0501	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: 169.500
Rx Freq:
Fwd Power: 4.8
Rev Power: 0.0
SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
4770	12:07	310		0
4770	12:08	311		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced desiccant in txr and bp. Changed out battery. RH OK. TB OK. Wind OK. Temp OK. BP OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: CalWood Ranch Date: 02-Jun-10 Time: 12:26
 Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 0825	4770
BY R 0324	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: 5.1
 Rev Power: 0.1
 SWR: 1.33

Test Transmission

Port	Time	Count	Measure	Predicted
4770	12:48	464		0
4770	12:48	465		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0825	13.17	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 12: 53 ID 4771 raw = 155 => 60.78 % RH, ID 4772 raw = 142 => 62 deg.F, psychrometer readings Td = 62 deg.F, Tw = 52 deg.F implying RH = 59% and dp = 47 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	02-Feb-10
		Time:	10:59
Service Type:	Inspection	Technician:	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:	4790
Jumpers:	
Eprom:	9601-01-81 Ver 3.5R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	8.0
Rev Power:	0.1
SWR:	1.25

Test Transmission				
Port	Time	Count	Measure	Predicted
4790	11:22	918		0
4790	11:23	919		0
4790	11:27	922		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced desiccant in TXR and BP. RF Good. TB Good. TXR Good. Wind Good. RHAT Good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	15-Jun-10
Service Type:	Inspection	Technician:	DP
			Time: 12:28
			Status: OK

Configuration Changes	
Part #	Location
BY R 1024	4790
BY S 0105	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:	0.1
SWR:	1.3

Test Transmission				
Port	Time	Count	Measure	Predicted
4790	12:44	1191		0
4790	12:53	1192		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 12:58 ID 4791 raw = 71 => 27,84% RH, ID 4792 raw = 149 => 69 deg.F, psychrometer readings Td = 70 deg. F, Tw = 52 deg. F implying RH = 32% and dp = 39 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Shanahan Ridge** Date: **18-Jun-10** Time: **9:52**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0849	4810
BY R 0918	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: **4810-00E**
Jumpers: **C: J5 off**
Eprom: **R 1.8 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
4810	10:03	1		0
4810	10:04	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0849	13.05	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Shanahan Ridge** Date: **17-Dec-09** Time: **13:02**
 Service Type: **Inspection** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0918	4810
BY R 0817	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1356	5.00	232	2.4	

Settings and Performance

Switches: **4810-00E**
 Jumpers: **C: J5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
4810	13:09	1		0
4810	13:10	2		0

Battery Tests

Battery #	V Quiescent	V Load

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:	Dowdy Draw	Date:	18-Jun-10
Service Type:	Inspection	Technician:	DP
			Time: 11:27
			Status: OK

Configuration Changes	
Part #	Location
BY R 1028	4820
BY R 0256	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:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4820	11:44	1		0
4820	11:44	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1028	13.02	

Problem:

Action Taken: Replaced battery and desiccant in txr. 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: 17-Dec-09

Time: 12:11

Service Type: Inspection

Technician: DP/SB

Status: OK

Configuration Changes

Part #	Location
BY R 0256	4820
BT R 0843	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	218	2.4	

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	12:21	1		0
4820	12:21	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0256	12.98	

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: S. Boulder Cr.@ Sans Date: 20-Jan-10 Time: 12:14
 Service Type: Inspection Technician: SB/DP Status: OK

Configuration Changes

Part #	Location
BY R 0413	4830
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: 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: 4.6
 Rev Power: 0.1
 SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
4830	12:24	1		0
4830	12:26	2		0
4833	12:21	1141	5.07 psi	1140
4833	12:21	459	2.04 psi	460

Battery Tests

Battery #	V Quiescent	V Load
BY R 0413	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: S. Boulder Cr.@ Sans Date: 18-Jun-10 Time: 10:26
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 1020	4830
BY R 0413	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: 4.5
Rev Power: 1.0
SWR: 2.78

Test Transmission

Port	Time	Count	Measure	Predicted
4830	11:07	1		0
4830	11:08	2		0
4833	10:43	1138	5.08 psi	1141
4833	10:44	471	2.08 psi	470

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in sig con box. PT tests OK, poor hydraulic contact, cleared intake and flushed, OK. RF OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SBC @ SB Canon Dite** Date: **18-Jun-10** Time: **12:23**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1022	4840
BY R 0841	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: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4840	12:48	1		0
4840	12:49	2		0
4843	12:42	1208	5.02 psi	1222
4843	12:43	495	2.08 psi	507

Battery Tests

Battery #	V Quiescent	V Load
BY R 1022	13.07	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced 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: SBC @ SB Canon Dite Date: 20-Jan-10 Time: 11:42
Service Type: Inspection Technician: SB/DP Status: OK

Configuration Changes

Part #	Location
BY R 0841	4840
BY R 0411	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: 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: 0.1
SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
4840	11:53	194		0
4840	11:53	196		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0841	12.90	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in vent box. RF OK. Solar OK. TB OK. PT frozen in at surface.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Porphyry Mtn** Date: **01-Dec-09** Time: **12:32**
Service Type: **Inspection** Technician: **SB/MZ** Status: **OK**

Configuration Changes

Part #	Location
BY R 0818	4850
BY R 0403	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: **169.500**
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
BY R 0818		12.94

Problem:

Action Taken: Changed battery and radio for the season. Radio OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Porphyry Mtn	Date:	25-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	10:49
		Status:	OK

Configuration Changes	
Part #	Location
CE G052	4850
BY R 0909	4850
CE B001	9000
BY R 0818	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:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
4850	11:16	1		0
4850	11:17	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced Comm Engine with updated unit. 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: **01-Dec-09** Time: **12:07**
 Service Type: **OneRain Service Ca** Technician: **SB/MZ** Status: **OK**

Configuration Changes

Part #	Location
BY R 0603	4860
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:
 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 0603	13.15	

Problem:

Action Taken: Door was found open. Hinge was rusted beyond use. Battery was dead. Replaced battery and radio. Site appears to be working. CE may need replaced. Will continue to monitor. Door hinge will need replaced. As a temporary fix the door was taped shut.

Site Notes:

Follow-Up: Replace Door hinge.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Fairview Peak Date: 25-Jun-10 Time: 12:01
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part #	Location
CE E108	4860
BY R 0947	4860
BY R 0603	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

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced Comm Engine with updated unit. RF OK. TB OK.

Site Notes:

Follow-Up: Replace door lock.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	West Repeater	Date:	15-Dec-09
		Time:	13:20
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: Updated repeater program to allow self reports via ALERT 2 and corrected pass list. Swapped out cold sensitive repeater board.

Site Notes: Duane Rogers 303-642-3913

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	West Repeater	Date:	21-May-10
Service Type:	Inspection	Technician:	DP
			Time: 11:03
			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: Correct pass list and change audio mixer.

Action Taken: Corrected pass list, removed 920-928 and 1100 -1205 ID's from both repeaters from both A1 and A2 sides. Installed new audio mixer board in repeater pair, old one was failing one frequency below 20 deg.F. Extended power cord for A2 unit for ease of access. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	West Repeater	Date:	11-Jan-10
Time:	10:31	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: 8100 passing BoCo (4000 ID's).

Action Taken: Replaced 8100 board (50386) back to original. Verified function via base station, ALERT and A2.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	15-Jan-10
		Time:	12:46
Service Type:	Inspection	Technician:	SB/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:	5.0
Rev Power:	0.1
SWR:	1.33

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 Log

Site Name: **Gold Hill Repeater** Date: **26-May-10** Time: **11:25**
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: Correct receive while transmitting status.

Action Taken: Corrected status to receive while transmitting, all 3 active pass lists.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **OneRain, Field Ready** Date: **07-Dec-09** Time: **15:35**
Service Type: **Transmitter Maint** Technician: **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
TX J 1103	5.00	130	2.5	

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: Txr testing

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Disposed of or Missin** Date: **12-Feb-10** Time: **8:45**
 Service Type: **Administration** Technician: **DP** Status: **Scrapped**

Configuration Changes

Part #	Location
BY H 0401	9999
BY H 9061	9999
BY H 0202	9999
BY H 0203	9999
BY H 0204	9999
BY H 0205	9999
BY H 0207	9999
BY H 0208	9999
BY H 0301	9999

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: Removing scrapped batteries from active inventory.

Site Notes:**Follow-Up:**