

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Carr St Date: 01-Jul-10 Time: 11:49
 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
100	12:01	209		0
100	12:01	210		0
103	11:55	1166	5.04 psi	1183
103	11:56	485	2.08 psi	494

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Ralston Res** Date: **30-Jul-10** Time: **13:12**
 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
110	13:14	217		0
110	13:14	218		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Cannot connect to PT due to high water. PT is encased in flex conduit. PT is reading fine, verified via Contrail mobile. TB OK. Site OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Croke Pump Stn** Date: **06-Jul-10** Time: **12:41**
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
120	12:53	225		0
120	12:53	226		0
123	12:46	1023	5.03 psi	1043
123	12:47	411	2.04 psi	422

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact, bottomed out. TB OK.

Site Notes:

Follow-Up: When water is low try to pull slack back into riser.

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Service Log			
Site Name:	Simm St	Date:	06-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	13:51
		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	
133	13:57	1039	5.04 psi	1048	
133	13:58	425	2.07 psi	431	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Blue Mountain** Date: **29-Jul-10** Time: **10:50**
 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
140	10:53	93		0
140	10:53	94		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: @ 9:46 ID 141 raw = 52 => 52% RH, ID 142 raw = 113 => 73 deg.F, psychrometer readings Td = 74 deg.F, Tw = 63 deg.F implying RH = 55% and dp = 58 deg.F. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Nott Creek** Date: **06-Jul-10** Time: **11:50**
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: **0150-0012-0112-11011**
Jumpers:
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
150	11:52	135		0
150	11:55	136		0

Battery Tests

Battery # V Quiescent V Load

Problem: TB missed event.

Action Taken: Unknown. Funnels and TB clean, TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Leyden Reservoir	Date:	06-Jul-10
Service Type:	Inspection	Technician:	DP
			Time: 13:10
			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
200	13:19	198		0
200	13:19	199		0
203	13:14	1021	10.03 psi	1024
203	13:15	415	4.08 psi	421

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Leyden Conf.** Date: **06-Jul-10** Time: **13:31**
 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
210	13:46	197		0
210	13:46	198		0
213	13:35	1133	5.04 psi	1140
213	13:36	471	2.09 psi	473

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact, flushed intake. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Upper Leyden** Date: **19-Jul-10** Time: **11:54**
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
220	11:53	250		0
220	11:54	251		0
220	11:54	252		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: TB OK. SITE OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Sports Complex** Date: **12-Jul-10** Time: **10:24**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 28969	320
BY R 0623	320

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: **0320-00E**
Jumpers: **C: J6 1-2,J3.5 off L: J9,10**
Eprom: **R1.8 57FE**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
320	10:38	1		0
320	10:38	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem: Quit again, 7/10/10.

Action Taken: Txr locked up. Replaced txr and battery. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Sports Complex** Date: **01-Jul-10** Time: **12:11**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
323	0.011	0.0259	0.0069

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	12:53	162		0
320	12:53	163		0
323	12:38	1853	9.05 psi	1883
323	12:39	1443	7.05 psi	1471
323	12:40	1036	5.07 psi	1062
323	12:41	622	3.05 psi	647
323	12:42	218	1.07 psi	239
323	12:43	1031	5.04 psi	1027
323	12:44	417	2.05 psi	415

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests low, adjusted zero point and recalibrated, repeatability OK, good hydraulic contact. TB OK

{Auto Entry: Calibrated sensor 323 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0259), Std Error(0.0069), Calibration Date(7/1/2010 12:43:13 PM)]}.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Sports Complex	Date:	06-Jul-10
Time:	10:47		
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
320	11:02	1		0
320	11:02	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: stopped 7/3/10.

Action Taken: Txr locked up, battery low. Replaced battery, reset txr. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Van Bibber @ 93** Date: **22-Jul-10** Time: **12:04**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0332	330
BY R 0420	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
330	12:54	1		0
330	12:54	2		0
333	12:07	1097	5.41 psi	1109
333	12:08	416	2.05 psi	430

Battery Tests

Battery #	V Quiescent	V Load
BY R 0332	12.82	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr, will monitor.
 Note: another captive nut faied, thats 4 of 6. Cannot replace with standard size parts, hole size too large. Made temporary repair to different size screws (2).

Site Notes:

Follow-Up:

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Service Log

Site Name: **Montview Park** Date: **16-Jul-10** Time: **11:02**
Service Type: **Inspection** 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
400	11:37	182		0
400	11:37	183		0
403	11:03	1010	5.04 psi	1128

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests low, requires 0.76 psi to reach 0.0 output, will leave in for gross readings, until replacement can be made.TB OK.

Site Notes:

Follow-Up: Replace PT

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Service Log

Site Name: **Kelly Dam** Date: **19-Jul-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: **0410-3-0**
 Jumpers:
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
410	12:29	1		0
410	12:30	2		0

Battery Tests

Battery # V Quiescent V Load

Problem: Quit 7/16.

Action Taken: Area around standpipe burnt. Antenna cable shorted, replaced, adjusted antenna length. RF OK. TB OK. Reattached pull rope to standpipe, vandals.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Kelly Dam	Date:	16-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	13:17
		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
410	13:35	162		0
410	13:35	163		0
413	13:26	954	4.95 psi	970
413	13:27	373	2.09 psi	391

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT riser vandalized, minor damage (cosmetic) to PT sensor, tests OK, good hydraulic contact. Taped "pull 90" cover back on, screw broken off. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Expo Park	Date:	20-Jul-10
Service Type:	Inspection	Technician:	DP
			Time: 10:06
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
420	10:31	376			0
420	10:32	377			0
423	10:12	1010	5.09 psi		1009
423	10:13	401	2.01 psi		397

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact, flushed riser. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: Utah Park	Date: 20-Jul-10	Time: 10:50
Service Type: Inspection	Technician: DP	Status: OK

Configuration Changes

Part #	Location
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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
430	10:57	370		0
430	10:57	371		0
433	10:54	984	5.06 psi	993
433	10:55	396	2.03 psi	395

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Havana Park** Date: **16-Jul-10** Time: **13:46**
 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
500	13:56	190		0
500	13:56	191		0
503	13:50	1135	5.43 psi	1142
503	13:53	599	2.84 psi	608
503	13:56	19		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log

Site Name: **Harvard Gulch Pk** Date: **20-Jul-10** Time: **12:33**
 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
600	12:40	187		0
600	12:40	188		0
603	12:37	444	2.50 psi	450
603	12:38	223	1.29 psi	226

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Harvard/Jackson** Date: **20-Jul-10** Time: **11:49**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0437	610
BY R 0327	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
610	12:05	1		0
610	12:05	2		0
613	11:51	1148	5.04 psi	1151
613	11:52	468	2.08 psi	469

Battery Tests

Battery #	V Quiescent	V Load
BY R 0437	13.00	

Problem:

Action Taken: PT tests OK, good hydraulic contact, flushed intake. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Temple Pond	Date:	20-Jul-10
Service Type:	Inspection	Technician:	DP
			Time: 13:32
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
630	13:47	367		0	
630	13:47	368		0	
633	13:41	1157	5.02 psi	1163	
633	13:44	496	2.10 psi	488	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up: 3 minute PT.

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Service Log

Site Name: **Goldsmith/E'man** Date: **20-Jul-10** Time: **13:02**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0511	640
BY R 0822	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
640	13:21	1		0
640	13:21	2		0
643	13:06	1024	5.04 psi	1023
643	13:07	420	2.06 psi	420

Battery Tests

Battery #	V Quiescent	V Load
BY R 0511	13.11	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Iliff Pond** Date: **20-Jul-10** Time: **11:16**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0918	650
BY R 0631	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
650	11:35	1		0
650	11:35	2		0
653	11:19	1129	5.08 psi	1120
653	11:20	459	2.10 psi	451
654	11:24	1169	5.07 psi	1167
654	11:25	480	2.09 psi	492

Battery Tests

Battery #	V Quiescent	V Load
BY R 0918	12.92	

Problem:

Action Taken: Both PT's test OK, good hydraulic contact. TB OK. Replaced battery in tr.

Site Notes:

Follow-Up:

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Service Log

Site Name: Tollgate at 6th Date: 30-Jun-10 Time: 10:58
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	11:00	54		0
700	11:01	55		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: TB OK. Bubbler reading = 3.73, staff gauge = 3.73.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	30-Jun-10
Service Type:	Inspection	Technician:	DP
			Time: 11:15
			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	11:22	136			0
710	11:23	137			0
713	11:17	1182	5.08 psi		1182
713	11:18	496	2.06 psi		478

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Met with City to plan to secure intake.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	21-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	10:59
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0618	720
BY R 0344	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
720	11:21	1			0
720	11:22	2			0
723	11:02	994	5.05 psi		1000
723	11:03	394	2.02 psi		413
724	11:08	1193	5.34 psi		1194
724	11:09	466	2.09 psi		479
751	11:18	198			0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0618	13.04	

Problem:

Action Taken: Both PT's test OK, good hydraulic contact. TB OK. Cleared topsection funnel. Replaced battery in tr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **No Name @ Quincy** Date: **21-Jul-10** Time: **11:34**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0935	730
BY R 9733	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
730	11:52	1		0
730	11:52	2		0
733	11:41	1162	5.06 psi	1164
733	11:42	482	2.08 psi	476

Battery Tests

Battery #	V Quiescent	V Load
BY R 0935	12.75	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Quincy Reservoir** Date: **15-Jul-10** Time: **12:37**
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: **0750-0012-1312-1111**
Jumpers: **2km wind run**
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

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Lost ability to receive ALERT locally due to malfunctioning decoder. Was able to use Contrail Mobile with web enabled phone. @ 1:03 AT 84 RH 31. Psychrometer 34%. RH OK. TXR OK. Wind rotating freely. Solar OK. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sable Ditch** Date: **19-Jul-10** Time: **13:10**
 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
800	13:17	174		0
800	13:17	175		0
803	13:14	917	5.06 psi	937
803	13:15	361	2.05 psi	380

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	30-Jun-10
Service Type:	Inspection	Technician:	DP
		Time:	12:17
		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	
810	14:22	1			0
810	14:22	2			0
813	12:20	1020	5.07 psi		1027
813	12:21	402	2.06 psi		402
813	13:50	1858	9.07 psi		1857
813	13:51	1448	7.06 psi		1440
813	13:54	1064	5.18 psi		1050

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT erratically jumping +/- 100 counts.

Action Taken: PT bad. Leave as rain only until replacement can be made. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Grandby Ditch** Date: **14-Jul-10** Time: **12:21**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
PT D 2925764	810
PT D 2841958	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
813	0.011	0.0027	0.0014

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
810	13:08	27		0
810	13:09	28		0
810	13:11	29		0
813	13:03	1852	9.09 psi	1862
813	13:03	1431	7.02 psi	1433
813	13:03	1030	5.06 psi	1024
813	13:04	623	3.06 psi	609
813	13:04	213	1.05 psi	191
813	13:05	1035	5.08 psi	1037
813	13:06	416	2.04 psi	417

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Pulled new PT and calibrated, repeatability OK, good hydraulic contact. TB OK.
 {Auto Entry: Calibrated sensor 813 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0027), Std Error(0.0014), Calibration Date(7/14/2010 1:04:57 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: ETG @ Buckley	Date: 19-Jul-10	Time: 13:35	
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	
820	13:42	183		0	
820	13:42	184		0	
823	13:39	1049	5.07 psi	1053	
823	13:40	434	2.09 psi	434	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flying J** Date: **19-Jul-10** Time: **13:53**
 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
850	14:01	52		0
850	14:01	53		0
850	14:02	54		0
853	13:58	1130	5.00 psi	1146
853	13:59	464	2.09 psi	474

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek @ Colfax Date: 08-Jul-10 Time: 12:25
 Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
PT KPSI 08050	860
DL CS 4664	860
CE C058	860
BY R 0908	860
PT KPSI 05069	9000
DL CS 1151	9000
CE B041	9000
BY R 0333	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
863	0.012	-0.1157	0.0285

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
860	13:57	1		0
860	14:02	2		0
863	14:07	1937	9.58 psi	1918
863	14:09	1422	7.01 psi	1411
863	14:10	1024	5.04 psi	1023
863	14:10	634	3.09 psi	640
863	14:11	231	1.10 psi	247
863	14:12	1050	5.18 psi	1048
863	14:12	647	3.17 psi	647
863	14:20	51		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0908	13.11	

Problem:

Action Taken: Moved Pelco pole etc. to high ground, west side. Installed new PT and reconfigured riser with horizontal intake currently 7 in. below water level, which is just flowing over structure notch. Installed new Comm Eng, datalogger and battery & desiccant. TB OK. Solar OK. RF OK.

{Auto Entry: Calibrated sensor 863 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.1157), Std Error(0.0285), Calibration Date(7/8/2010 2:11:27 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Murphy Creek	Date:	21-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	10:19
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0829	870
BY R 0940	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	
870	10:32	1		0	
870	10:34	2		0	
873	10:23	1225	5.32 psi	1239	
873	10:24	475	2.05 psi	484	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0829	13.00	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	21-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	12:12
		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
900	12:25	139		0
900	12:26	140		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:18 ID 901 raw = 372 = 37.2% RH, ID 902 raw = 1224 => 82.4 deg.F, psychrometer readings Td = 85 deg.F, Tw = 68n deg.F implying RH = 44% and dp =m 61 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **21-Jul-10** Time: **12:53**
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
940	12:57	398		0
940	12:58	399		0
943	12:55	970	5.07 psi	975
943	12:56	397	2.08 psi	394

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **21-Jul-10** Time: **13:07**
 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
950	13:14	250		0
950	13:14	251		0
953	13:10	1073	5.09 psi	1092
953	13:11	429	2.07 psi	442

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	19-Jul-10
Service Type:	Inspection	Technician:	SB
		Time:	12:38
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0838	1000
BY R 0202	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1003	0.011	0.0122	0.006

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1000	13:07	0		0
1000	13:10	1		0
1003	12:43	984	4.81 psi	982
1003	12:56	1986	9.64 psi	1966
1003	12:57	1423	6.90 psi	1407
1003	12:58	1085	5.27 psi	1074
1003	12:59	634	3.08 psi	629
1003	13:00	227	1.10 psi	224
1003	13:01	980	4.77 psi	980
1003	13:02	350	1.71 psi	352

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Callibrated PT. Adjusted Zero. PT OK. RF OK. TB OK. Site OK. Changed Battery.

{Auto Entry: Calibrated sensor 1003 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.0122), Std Error(0.0060), Calibration Date(7/19/2010 1:00:29 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	19-Jul-10
Service Type:	Inspection	Technician:	SB
			Time: 13:24
			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	
1023	13:27	1200	5.15 psi	1200	
1023	13:28	416	1.77 psi	412	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lena @ Hwy 6** Date: **19-Jul-10** Time: **14:12**
 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
1040	14:18	228		0
1040	14:19	229		0
1043	14:16	1137	5.40 psi	1123
1043	14:17	492	2.34 psi	483

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT OK. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: L'ville Dwy "D" Date: 27-Jul-10 Time: 13:43
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
1100	13:57	242		0
1100	13:57	243		0
1103	13:52	1037	5.16 psi	1047
1103	13:53	419	2.06 psi	420

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gunbarrel** Date: **27-Jul-10** Time: **13:17**
 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
1110	13:24	317		0
1110	13:25	319		0
1113	13:20	1046	5.08 psi	1050
1113	13:21	430	2.08 psi	432

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	30-Jul-10
Time:	13:55		
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	
1200	14:05	183		0	
1200	14:05	184		0	
1203	14:01	1079	5.88 psi	1082	
1203	14:02	373	2.05 psi	376	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT. PT OK.. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	01-Jul-10
Service Type:	Inspection	Technician:	DP
			Time: 11:20
			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	
1300	11:31	180			0
1300	11:31	181			0
1303	11:25	1283	5.05 psi		1298
1303	11:26	523	2.08 psi		529

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Little Dry Creek @ 64t** Date: **01-Jul-10** Time: **10:13**
 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
1310	11:00	156		0
1310	11:05	157		0
1310	11:05	158		0
1313	10:16	1018	5.05 psi	1027
1313	10:17	406	2.00 psi	405

Battery Tests

Battery # V Quiescent V Load

Problem: PT erratic.

Action Taken: PT tests OK (short term), good hydraulic contact. Tightened 2 questionable connections and adjusted zero point (maxed out now). Will monitor PT performance. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR @Mausoleum** Date: **23-Jul-10** Time: **11:56**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0344	1320
BY R 0606	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
1320	12:05	1		0
1320	12:06	2		0
1323	12:01	1100	5.07 psi	1096
1323	12:02	405	2.05 psi	400

Battery Tests

Battery #	V Quiescent	V Load
BY R 0344	13.05	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	23-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	12:36
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1340
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	
1340	12:42	540		0	
1340	12:42	541		0	
1343	12:39	470	5.06 psi	471	
1343	12:40	197	2.09 psi	195	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Ferril Lake	Date: 23-Jul-10	Time: 10:06
Service Type: Inspection	Technician: DP	Status: OK

Configuration Changes

Part #	Location
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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: Solar OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Upper Sloan** Date: **19-Jul-10** Time: **14:55**
 Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0907	1400
BY R 0406	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
1400	15:09	1		0
1400	15:11	2		0
1400	15:11	3		0
1403	14:58	1183	5.38 psi	1183
1403	14:59	458	2.09 psi	460

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery. TB OK. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	23-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	11:12
		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
1420	11:20	1068		0
1420	11:20	1069		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:09 ID 1421 raw = 22 => 22% RH, ID 1422 raw = 131 => 91 deg. F, psychrometer readings Td = 90 deg.F, Tw = 65 deg.F implying RH = 27% and dp = 52 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	15-Jul-10
Service Type:	Inspection	Technician:	SB
		Time:	10:39
		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:	W4, W10 2-3
Eprom:	555 4.01
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1440	11:05	132		0
1440	11:05	133		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0336	13.59	

Problem:

Action Taken: @ 10:55 Temp read 76 deg raw value of 116. RH read 57 percent. Psychrometer reading of 60 percent. Solar OK RF OK. Txr OK. RHAT OK. TB OK. Wind ok. Replaced desiccant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Urban Farm	Date: 16-Jul-10	Time: 9:52
Service Type: Inspection	Technician: DP	Status: OK

Configuration Changes

Part #	Location
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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: @ 10:16 ID 1461 raw = 151 => 15.1% RH, ID 1462 raw = 1259 => 86 deg.F, psychrometer readings Td = 87 deg.F, Tw = 59 deg.F implying RH = 19% and dp = 39 deg.F. TB OK. Wind sensor rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **DIA @ Third Creek** Date: **21-Jul-10** Time: **9:31**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1484	0.011	0.5111	0.123

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
1480	9:53	207		0
1480	9:53	208		0
1483	9:36	1009	5.05 psi	997
1483	9:37	417	2.07 psi	409
1484	9:44	1816	9.13 psi	1864
1484	9:45	1395	7.07 psi	1443
1484	9:46	986	5.06 psi	1034
1484	9:47	582	3.09 psi	630
1484	9:48	175	1.07 psi	219
1484	9:49	979	5.04 psi	983
1484	9:50	374	2.07 psi	377

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT 1483 tests OK, 1484 tests low, recalibrated, repeatability OK, good hydraulic contact for both. TB OK.

{Auto Entry: Calibrated sensor 1484 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.5111), Std Error(0.1230), Calibration Date(7/21/2010 9:48:43 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	26-Jul-10
Service Type:	Inspection	Technician:	SB/PB
		Time:	14:10
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0944	1500
BY R 0923	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
1500	14:25	1		0
1500	14:29	2		0
1503	14:14	1061	5.68 psi	1086
1503	14:15	396	2.20 psi	417

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0944		13.06

Problem:

Action Taken: Changed battery. PT tested OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	26-Jul-10
Service Type:	Inspection	Technician:	SB/PB
		Time:	12:22
		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
1520	12:53	208		0
1520	12:54	209		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT Down. Connected PT to battery and volt meter. Signal voltage sporadic and not reading between 0-100 mv. @ 12:46 RH 11% AT 89. Psychrometer AT 92 RH 18.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Lowell** Date: **26-Jul-10** Time: **12:04**
Service Type: **Inspection** Technician: **SB/PB** 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
1530	12:09	191		0
1530	12:10	192		0
1533	12:07	1117	5.00 psi	1104
1533	12:08	520	2.40 psi	516

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Tested PT. PT OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	23-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	12:17
		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	
1563	12:20	1008	5.07 psi	1018	
1563	12:21	402	2.04 psi	409	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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:	Englewood Dam	Date:	30-Jul-10
Service Type:	Inspection	Technician:	SB
			Time: 10:15
			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
1600	10:26	166		0
1600	10:27	168		0
1603	10:20	1250	5.25 psi	1238
1603	10:21	523	2.20 psi	519

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT. PT OK. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	30-Jul-10
Service Type:	Inspection	Technician:	SB
		Time:	10:35
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0631	1610
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	10:39	1237	5.81 psi	1234	
1613	10:40	479	2.12 psi	480	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0631	13.00	

Problem:

Action Taken: Tested PT. PT OK. Replaced Battery. Site Ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	26-Jul-10
Service Type:	Inspection	Technician:	SB/PB
		Time:	14:44
		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	14:49	148			0
1620	14:49	149			0
1623	14:47	1202	4.94 psi		1194
1623	14:48	432	1.77 psi		434

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT. PT OK. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	26-Jul-10
Service Type:	Inspection	Technician:	SB/PB
		Time:	11:38
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0818	1630
BY R 0265	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
1629	11:43	2044		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0818	12.78	

Problem:

Action Taken: Swapped battery. Site reading 1.72 feet @ 11:43. USGS reading 1.75 feet. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	26-Jul-10
Time:	13:12	Status:	OK
Service Type:	Inspection	Technician:	SB/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:

Action Taken: Site OK. Recieved 2 tips in contrail, but not locally.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	26-Jul-10
Time:	11:00	Service Type:	Inspection
Technician:	SB/PB	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
1649	11:08	327		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Site reading 3.24 feet @ 11:08 am. onsite gage reading 3.18. Shaft encoder ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	07-Jul-10
Time:	10:20		
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:	JB1&4 off, JB2&3 on
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
1660	10:35	194		0
1660	10:35	195		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stopped reporting 7/6/10.

Action Taken: No RF power out, radio bad. Replaced radio, RF OK. @ 10:28 ID 1659 raw = 527 => 5.27, tape and enc = 5.41. CDWR log from 6/23/10 @ 14:51 tape and enc = 5.35, outside = 5.40, pen = 5.36. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **23-Jul-10** Time: **11:02**
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	11:03	310		0
1700	11:04	311		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	23-Jul-10
Service Type:	Inspection	Technician:	DP
			Time: 10:32
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1720	10:46	177		0	
1720	10:47	178		0	
1723	10:35	1037	5.09 psi	1030	
1723	10:36	428	2.07 psi	420	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Cleared topsection funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek Park Date: 14-Jul-10 Time: 10:06
 Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
PT D 3069648	1800
PT D 2575183	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1803	0.012	0.0377	0.009

Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
1800	11:51	190		0
1800	11:51	191		0
1803	11:32	1372	9.10 psi	1856
1803	11:33	1075	7.13 psi	1454
1803	11:35	1873	9.41 psi	1919
1803	11:36	1421	7.14 psi	1456
1803	11:36	1008	5.07 psi	1034
1803	11:37	620	3.13 psi	637
1803	11:37	239	1.21 psi	246
1803	11:38	896	4.52 psi	895
1803	11:38	608	3.07 psi	607

Battery Tests

Battery #	V Quiescent	V Load
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Problem: PT dead.

Action Taken: Pulled new PT and calibrated, repeatability OK, good hydraulic contact. TB OK. Note: old PT had multiple damages, PT membrane broken, cable twisted inside conduit and pulled to the point of wire breaking in 2 locations, no visible damage to conduit.
 {Auto Entry: Calibrated sensor 1803 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(0.0377), Std Error(0.0090), Calibration Date(7/14/2010 11:37:55 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek Mouth Date: 02-Aug-10 Time: 10:01
Service Type: Inspection Technician: DP Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
1810	10:11	34		0
1810	10:11	35		0
1813	10:05	1056	5.05 psi	1042
1813	10:06	420	2.04 psi	423

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Niver Detention** Date: **26-Jul-10** Time: **10:23**
Service Type: **Inspection** Technician: **SB/PB** 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
1900	10:35	186		0
1900	10:35	187		0
1903	10:25	1099	6.08 psi	1103
1903	10:28	401	2.21 psi	405

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT OK. TB OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	07-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	10:48
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1920	10:56	1138		0
1920	10:56	1139		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:53 ID 1921 raw = 214 => 83.92% RH, ID 1922 raw = 142 => 62 deg.F, psychrometer readings Td = 62 deg.F, Tw = 59 deg.F implying RH = 85% and dp = 57 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Squaw Mountain** Date: **12-Jul-10** Time: **11:40**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
CE E135	2190
BY R 0823	2190
CE E148	9000
BY R 0636	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2190	12:44	551		0
2190	12:44	552		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0823	12.88	

Problem: No change in rain.

Action Taken: TB mounting bracket is broken. Replaced battery, Comm Eng. and desiccant in txr. Changed frequency of radio to 169.500 MHz. Corrected top section mounting using 2 sets of hose clamps, to the Uni-strut, 1 around base and 1 around funnel section after leveling TB.. RF OK. Solar OK. TB OK. @ 12:37 ID 2191 raw = 39 => 39% RH, ID 2192 raw = 97 => 57 deg.F, psychrometer readings Td = 58 deg.F, Tw = 45 deg.F implying RH = 41% and dp = 34 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hiwan** Date: **28-Jul-10** Time: **8:35**
 Service Type: **Inspection** Technician: **DP/PB** 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
2210	8:44	200		0
2210	8:44	201		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: @ 8:29 ID 2211 raw = 100 => 100% RH, ID 2212 raw =101 => 61 deg.F, psychrometer readings Td = 61 deg.F, Tw = 59 deg.F implying RH = 90% and dp = 59 deg.F. 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:	28-Jul-10
Service Type:	Inspection	Technician:	DP/PB
		Time:	9:58
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0256	2220
BY R 0217	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	
2223	10:17	1131	5.04 psi	1127	
2223	10:18	459	2.03 psi	461	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0426	13.03	

Problem:

Action Taken: PT tests OK, good hydraulic contact. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Cub** Date: **28-Jul-10** Time: **9:38**
 Service Type: **Inspection** Technician: **DP/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0636	2230
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:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
2230	9:50	1		0
2230	9:50	2		0
2230	9:51	3		0
2230	9:52	4		0
2233	9:44	1132	5.09 psi	1121
2233	9:45	508	2.09 psi	498

Battery Tests

Battery #	V Quiescent	V Load
BY R 0636	13.18	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Cold Spring Glch Date: 28-Jul-10 Time: 11:10
 Service Type: Inspection Technician: DP/PB Status: OK

Configuration Changes

Part #	Location
BY R 0333	2240
BY R 9736	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
2240	11:49	1		0
2240	11:55	2		0
2243	11:15	1033	5.04 psi	1039
2243	11:16	420	2.06 psi	426

Battery Tests

Battery #	V Quiescent	V Load
BY R 0333	12.98	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rosedale	Date:	28-Jul-10
Service Type:	Inspection	Technician:	DP/PB
			Time: 9:05
			Status: OK

Configuration Changes	
Part #	Location
BY R 0335	2250
BY R 0222	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
2250	9:25	1		0
2250	9:26	2		0
2253	9:13	1060	5.06 psi	1062
2253	9:14	436	2.04 psi	439

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0335	13.17	

Problem:

Action Taken: PT tests OK, good hydraulic contact. Cleared intake and flushed. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cub Ck below Blue** Date: **28-Jul-10** Time: **10:33**
 Service Type: **Inspection** Technician: **DP/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0606	2270
BY R 9626	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
2270	10:48	1		0
2270	10:48	2		0
2273	10:36	1041	5.02 psi	1037
2273	10:37	429	2.04 psi	423

Battery Tests

Battery #	V Quiescent	V Load
BY R 0606	12.91	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	28-Jul-10
Service Type:	Inspection	Technician:	DP/PB
		Time:	12:26
		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:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
2330	12:34	241			0
2333	12:31	1182	5.06 psi		1179
2333	12:32	492	2.09 psi		489
2333	12:34	9			0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, Good hydraulic contact, TB OK. @ 12:37 ID 2333 raw = 338 => 6.16, tape and enc = 6.18. CDWR log from 7/20/10 @12:55 tape, pen and enc all read 6.07.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	28-Jul-10
Service Type:	Inspection	Technician:	DP/PB
			Time: 12:48
			Status: OK

Configuration Changes	
Part #	Location
BY R 0250	2370
BY R 0213	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
2370	13:07	1		0
2370	13:08	2		0
2373	13:00	1071	5.06 psi	1076
2373	13:00	450	2.05 psi	451
2373	13:02	31		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0250	12.95	

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. Replaced battery in txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gross** Date: **29-Jul-10** Time: **11:32**
 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
4373	11:35	1032	5.01 psi	1032
4373	11:36	417	2.01 psi	413

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @ 11:38 ID 4373 raw = 178 => 1.69, tape and enc = 1.62. CDWR log from 7/16/10 @ 13:24 tape = 1.54, enc = 1.53+, pen = 1.54.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Eldorado Spring** Date: **29-Jul-10** Time: **12:26**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4383	0.010	-0.0607	0.0164

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
4383	12:35	1925	8.68 psi	2005
4383	12:36	1554	7.01 psi	1625
4383	12:37	1110	5.01 psi	1167
4383	12:38	686	3.07 psi	724
4383	12:39	237	1.05 psi	263
4383	12:44	1127	5.04 psi	1124
4383	12:45	465	2.06 psi	463

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tests low, zero point reasonable, recalibrated, repeatability OK. PT stability questionable, will monitor and replace as needed.

{Auto Entry: Calibrated sensor 4383 by linear regression. Modified calibration data. New calibration [Slope(0.0104), Calibration Offset(-0.0607), Std Error(0.0164), Calibration Date(7/29/2010 12:40:28 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	29-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	14:18
		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	
4393	14:21	1142	4.97 psi	1159	
4393	14:22	457	2.01 psi	468	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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: **Orodell** Date: **28-Jul-10** Time: **9:34**
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
4403	9:36	1031	4.93 psi	1019
4403	9:38	505	2.41 psi	499

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Tested PT. PT OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fourmile** Date: **28-Jul-10** Time: **10:43**
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
4413	10:50	1018	4.30 psi	1024
4413	10:51	467	1.95 psi	464

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Tested PT. PT OK. Flushed intake. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	28-Jul-10
Service Type:	Inspection	Technician:	SB
			Time: 9:11
			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	
4423	9:19	1122	5.41 psi	1113	
4423	9:20	441	2.09 psi	430	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT. PT OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	28-Jul-10
Service Type:	Inspection	Technician:	SB
		Time:	11:33
		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	
4433	11:37	1321	5.56 psi	1322	
4433	11:38	517	2.22 psi	518	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT. PT OK. Flushed Intake. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	27-Jul-10
Time:	12:06		
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	
4443	12:10	1191	5.04 psi	1187	
4443	12:11	500	2.08 psi	491	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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:	Lower Lefthand	Date:	27-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	12:35
		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	
4453	12:40	1016	5.07 psi	1028	
4453	12:42	412	2.08 psi	412	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @ 12:44 ID 4453 raw = 151 = 1.78, tape and SVLHWCD Sutron both read 0.88. Change Ref.level to -0.99 to match.

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: **28-Jul-10** Time: **12:37**
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
4463	12:41	1373	5.83 psi	1388
4463	12:42	620	2.62 psi	623

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Tested PT. PT OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	30-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	12:04
		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
4470	12:05	143		0
4470	12:06	144		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lyons Diversion** Date: **28-Jul-10** Time: **13:19**
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
4563	13:26	1411	5.97 psi	1407
4563	13:27	511	2.15 psi	508

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Tested PT. PT OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broadway** Date: **30-Jul-10** Time: **10:48**
 Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY J 0904	4580
BY J 0905	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4583	0.006	0.0083	0.0025

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
4583	11:19	1962	4.99 psi	1943
4583	11:20	1596	4.06 psi	1582
4583	11:21	1213	3.09 psi	1202
4583	11:22	812	2.07 psi	802
4583	11:23	426	1.08 psi	418
4583	11:24	1014	2.58 psi	1009
4583	11:25	488	1.24 psi	485

Battery Tests

Battery #	V Quiescent	V Load
BY J 0904	13.04	

Problem:

Action Taken: PT tests OK, good hydraulic contact. Had to recalibrate to correct for database error. Replaced battery.

{Auto Entry: Calibrated sensor 4583 by linear regression. Modified calibration data. New calibration [Slope(0.0059), Calibration Offset(0.0083), Std Error(0.0025), Calibration Date(7/30/2010 11:24:16 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	30-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	10:19
		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	
4593	10:22	1012	5.08 psi	982	
4593	10:23	398	2.07 psi	392	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @ 10:25 ID 4593 raw = 87 => 1.75, staff gauge reads 1.75.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hills Mills	Date:	27-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	10:43
		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
4710	10:51	2040		0
4710	10:52	2041		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: 10:41 ID 4711 raw = 115 => 45.10% RH, ID 4712 raw = 146 => 66 deg.F, psychrometer readings Td = 70 deg.F, Tw = 56 deg.F implying RH = 46% and dp = 48 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	27-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	9:59
		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
4730	10:07	494		0
4730	10:07	495		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 9:53 ID 4731 raw = 91 => 35.69% RH, ID 4732 rwa = 163 => 83 deg.F, psychrometer readings Td = 81 deg.F, Tw = 60 implying RH = 32% and dp = 48 deg.F. TB OK. 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:	27-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	14:07
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4750	14:18	742		0
4750	14:19	743		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 14:12 ID 4751 raw = 61 => 23.92% RH, ID 4752 raw = 164 => 84 deg.F, psychrometer readings Td = 85 deg.F, Tw = 60 implying RH = 24% and dp = 44 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	27-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	11:38
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4770	11:49	592		0
4770	11:49	593		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:39 ID 4771 raw = 91 => 35.69% RH, ID 4772 raw = 164 => 84 deg.F, psychrometer readings Td = 80 deg.F, Tw = 60 deg.F implying RH = 34% and dp = 49 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	30-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	12:36
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4790	12:43	1262		0
4790	12:44	1263		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:43 ID 4791 raw = 105 => 41.18% RH, ID 4792 raw = 161 = 81 deg.F, psychrometer readings Td = 84 deg.F, Tw = 66 deg.F implying RH = 42% and dp = 58 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	29-Jul-10
Service Type:	Inspection	Technician:	DP
		Time:	13:14
		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:	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:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
4830	13:20	56			0
4830	13:20	57			0
4833	13:16	1133	5.08 psi		1141
4833	13:17	469	2.08 psi		470

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. 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:	29-Jul-10
		Time:	13:38
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	
4840	13:46	47		0	
4840	13:47	48		0	
4843	13:43	1214	5.07 psi	1234	
4843	13:44	485	2.05 psi	499	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Porphyry Mtn	Date:	09-Jul-10
Time:	14:45	Status:	OK
Service Type:	OneRain Service Ca	Technician:	SB/SP

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: Changed transmit time to every 12 hours.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairview Peak	Date:	09-Jul-10
Time:	14:43	Service Type:	OneRain Service Ca
Status:	OK	Technician:	SB/SP

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 Door Hinge. Further inspection lock clip is missing. Needs replaced. Updated CE. Replaced antenna cable. This was causing missed communications.

Site Notes: Replace Inside Door Hinge.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	West Repeater	Date:	29-Jul-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: Added 2908 to pass lists (thru 2910), both repeaters.

Site Notes:

Follow-Up: