

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Carr St	Date:	02-Sep-09
Service Type:	Inspection	Technician:	SB
			Time: 10:49
			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	10:57	337		0
100	10:59	338		0
100	10:59	339		0
103	10:51	1070	4.60 psi	1081
103	10:52	486	2.08 psi	494

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. With good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Ralston Res** Date: **14-Sep-09** Time: **11:41**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 2841955	110
PT D 2282561	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
113	0.01	0.0303	0.0075

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
110	12:39	132		0
110	12:39	133		0
113	12:27	2018	8.75 psi	2025
113	12:28	1629	7.06 psi	1636
113	12:28	1165	5.06 psi	1175
113	12:28	701	3.05 psi	711
113	12:29	246	1.07 psi	256
113	12:30	1163	5.05 psi	1162
113	12:30	470	2.05 psi	469

Battery Tests

Battery #	V Quiescent	V Load
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Problem: PT dead.

Action Taken: Pulled new PT and calibrated, good repeatability. TB OK.
 {Auto Entry: Calibrated sensor 113 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.0303), Std Error(0.0075), Calibration Date(9/14/2009 12:29:35 PM)]}.

Site Notes: To replace PT pull junction at riser (small adapter) and locate patched break in flex conduit near shoreline(duct taped). PT length 100 ft.

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	02-Sep-09
Time:	14:21		
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	
120	14:32	297		0	
120	14:33	298		0	
123	14:25	941	4.64 psi	938	
123	14:26	424	2.09 psi	423	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good Hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log

Site Name: **Croke Pump Stn** Date: **09-Sep-09** Time: **11:12**
 Service Type: **OneRain Service Ca** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0340	120
BY R 0942	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:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
120	11:31	1		0
120	11:32	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0340	12.66	

Problem:

Action Taken: Replaced battery and desiccant. TB OK.

Site Notes:**Follow-Up:**

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Service Log			
Site Name:	Simm St	Date:	02-Sep-09
Service Type:	Inspection	Technician:	SB
			Time: 12:13
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
133	12:21	1168	5.64 psi	1172	
133	12:22	447	2.16 psi	450	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good hydraulic Contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Blue Mountain	Date:	10-Sep-09
Service Type:	Inspection	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:

Action Taken: @ 10:29 ID 141 raw = 25 => 25%, ID 142raw = 110 => 70 deg.F, psychrometer readings Td = 70 deg.F, Tw = 52 deg.F implying RH = 32% and dp = 39 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Leyden Reservoir	Date:	02-Sep-09
Service Type:	Inspection	Technician:	SB
			Time: 13:05
			Status: OK

Configuration Changes	
Part #	Location
BY R 0825	200
BY R 0339	9000

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:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
200	13:43	1		0
200	13:44	2		0
203	13:35	1074	10.48 psi	1069
203	13:36	535	5.22 psi	538

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0825	13.10	

Problem:

Action Taken: PT OK. Good hydraulic contact. TB OK.

Site Notes: Frequency 169.500

Follow-Up:

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Service Log			
Site Name:	Leyden Conf.	Date:	02-Sep-09
Service Type:	Inspection	Technician:	SB
			Time: 11:48
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
210	11:56	313		0
210	11:57	314		0
213	11:48	1505	6.65 psi	1504
213	11:49	658	2.90 psi	657

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good hydraulic Contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Upper Leyden	Date:	10-Sep-09
Time:	11:14	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
220	11:14	306		0
220	11:14	307		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes: Tx on 169.500 MHz

Follow-Up: 169.500 MHz

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Service Log			
Site Name:	Sports Complex	Date:	02-Sep-09
Service Type:	Inspection	Technician:	SB
			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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good Hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Van Bibber @ 93	Date:	02-Sep-09
Service Type:	Inspection	Technician:	SB
		Time:	14:49
		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	
330	14:57	283			0
330	14:57	284			0
333	14:54	1117	5.47 psi		1122
333	14:55	553	2.71 psi		564

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good Hydraulic Contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service LogSite Name: **Montview Park**Date: **02-Sep-09**Time: **10:26**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
400	10:39	363		0
400	10:40	364		0
403	10:29	1023	5.06 psi	1034
403	10:30	416	2.05 psi	420

Battery Tests

Battery # V Quiescent V Load

Problem:**Action Taken:** PT tests OK, good hydraulic contact. Installed PVC cap on intake. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
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Service LogSite Name: **Kelly Dam**Date: **02-Sep-09**Time: **10:53**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
410	11:03	129		0
410	11:04	130		0
413	10:56	744	5.01 psi	761
413	10:57	286	2.01 psi	306

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:	Expo Park	Date:	11-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	9:52
		Status:	PT Down

Configuration Changes	
Part #	Location
BY R 0848	420
BY R 0426	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0420--00D
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
420	10:45	1		0
420	10:46	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0848	12.90	

Problem:

Action Taken: PT is dead. Replaced battery and desiccant in txr. TB OK. Will leave as rain only until PT can be replaced.

Site Notes: PT length 130 ft.

Follow-Up:

MAINTENANCE RECORD
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Service Log

Site Name: **Expo Park** Date: **28-Sep-09** Time: **9:36**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
PT D 2949344	420
PT D 2113456	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
423	0.012	0.0325	0.0067

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
420	10:23	29		0
420	10:23	30		0
423	10:13	1993	10.01 psi	2304
423	10:14	1658	8.34 psi	1917
423	10:14	1396	7.02 psi	1614
423	10:14	974	4.90 psi	1126
423	10:15	692	3.49 psi	799
423	10:15	301	1.52 psi	345
423	10:16	969	4.89 psi	969
423	10:16	391	1.97 psi	390

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.
 {Auto Entry: Calibrated sensor 423 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(0.0325), Std Error(0.0067), Calibration Date(9/28/2009 10:16:04 AM)].}

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log					
Site Name:	Utah Park	Date:	02-Sep-09	Time:	13:28
Service Type:	Inspection	Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location
TX J 27310	430
TX J 15789	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
433	0.018	0.2591	0.0657

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	
430	14:55	2			0
430	14:57	3			0
430	14:59	4			0
433	14:36	1206	9.65 psi		2179
433	14:37	874	7.04 psi		1589
433	14:38	619	5.02 psi		1132
433	14:39	371	3.06 psi		688
433	14:40	122	1.07 psi		238
433	14:42	639	5.18 psi		639
433	14:43	245	2.05 psi		244

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests very high. Sig con unstable, replaced, recalibrated PT, repeatability OK, good hydraulic contact. TB OK.
 {Auto Entry: Calibrated sensor 433 by linear regression. Modified calibration data. New calibration [Slope(0.0183), Calibration Offset(0.2591), Std Error(0.0657), Calibration Date(9/2/2009 2:41:44 PM)].}

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	02-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	11:13
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
500	11:19	446		0
500	11:19	447		0
503	11:16	1011	5.19 psi	1093
503	11:17	444	2.05 psi	446

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: **Harvard Gulch Pk** Date: **11-Sep-09** Time: **12:25**
 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	12:31	320		0
600	12:31	321		0
603	12:28	914	5.01 psi	913
603	12:29	368	2.04 psi	364

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/Jackson	Date:	11-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 11:59
			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	
610	12:12	44			0
610	12:12	45			0
613	12:05	1137	5.03 psi		1149
613	12:06	452	2.01 psi		453

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact after digging out intake (cattails taking over). TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Temple Pond	Date:	11-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 13:48
			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	
630	13:55	48			0
630	13:55	49			0
633	13:51	1183	5.07 psi		1173
633	13:52	479	2.02 psi		470

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 LogSite Name: **Goldsmith/E'man**Date: **11-Sep-09**Time: **13:29**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
640	13:38	379		0
640	13:38	380		0
643	13:33	1027	5.02 psi	1019
643	13:34	424	2.04 psi	415

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:	Iliff Pond	Date:	11-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	12:49
		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
650	12:59	4		0
650	12:59	5		0
650	13:00	6		0
650	13:01	7		0
653	12:51	1129	5.07 psi	1118
653	12:52	447	2.04 psi	437
654	12:55	1162	5.04 psi	1159
654	12:56	479	2.08 psi	490

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Both PT's test OK, good hydraulic contact. TB OK, cleaned funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
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Service Log			
Site Name:	Tollgate at 6th	Date:	31-Aug-09
Time:	12:47	Service Type:	Inspection
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
700	12:51	334		0
700	12:51	335		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Bubbler read 3.72, staff gage read 3.72.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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ONERAIN INCORPORATED

Service Log

Site Name: Horseshoe Park

Date: 02-Sep-09

Time: 12:25

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
710	12:35	17		0
710	12:36	18		0
713	12:30	1191	5.07 psi	1180
713	12:31	484	2.04 psi	474

Battery Tests

Battery # V Quiescent V Load

Problem:**Action Taken:** PT tests OK, good hydraulic contact. TB OK, after clearing topsection funnel.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	24-Sep-09
Service Type:	Inspection	Technician:	DP
			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:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
720	10:54	48			0
720	10:54	49			0
720	10:55	50			0
723	10:43	960	4.94 psi		979
723	10:46	398	2.02 psi		413
724	10:50	1147	5.04 psi		1127
724	10:51	469	2.04 psi		469

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Both PT's test OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **No Name @ Quincy**Date: **17-Sep-09**Time: **12:42**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
730	12:48	298		0
730	12:48	299		0
733	12:46	1167	5.06 psi	1162
733	12:47	479	2.05 psi	469

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:	Smoky Hill	Date:	16-Oct-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	10:28
		Status:	OK

Configuration Changes	
Part #	Location
RP DN 001	740
BY K 0007	740
BY K 0001	740
TB S 9404	9000
BY R 0637	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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 Dual Summing Repeater with 2 external batteries. Installed splitter on antenna input. Changed switch in ALERT 2 concentrator to allow dual input. Verified ALERT repeater function on both frequencies. Verified ALERT 2 feed, Note: serial cables are 1 to 2 and 2 to 1 and not interchangeable.

Site Notes: Note: GPS lock for ALERT 2 system may take 15 minutes!!!! after power reset.

gate entry code is 1026 but Nov 1 should be 5519

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy Reservoir	Date:	17-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 12:07
			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
750	12:12	276		0
750	12:13	277		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:13 ID 751 raw = 174 => 42.54% RH, ID 752 raw = 249 => 70 deg.F psychrometer readings
 Td = 72 deg.F, Tw = 58 deg.F implying RH = 45% and dp = 49 deg.F. Wind sensor rotating freely. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	31-Aug-09
Service Type:	Inspection	Technician:	DP
			Time: 13:33
			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	
800	13:36	293			0
800	13:37	295			0
803	13:34	961	5.27 psi		976
803	13:35	358	2.02 psi		375

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:	02-Sep-09
Time:	11:57		
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	
810	12:04	360		0	
810	12:05	361		0	
813	12:01	1067	5.03 psi	1049	
813	12:02	427	2.01 psi	427	

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:	ETG @ Buckley	Date:	02-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 12:10
			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	
820	12:15	319			0
820	12:16	320			0
823	12:12	1046	5.05 psi		1049
823	12:13	416	2.01 psi		417

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:	31-Aug-09
Service Type:	Inspection	Technician:	DP
		Time:	10:34
		Status:	Incomplete

Configuration Changes	
Part #	Location
BY R 0934	850
BY R 0423	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	
853	10:54	1155	5.05 psi	1158	
853	10:57	462	2.05 psi	466	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0934	13.11	

Problem:

Action Taken: PT tests OK, TB OK. Replaced battery. Can not communicate with CR10X, program appears corrupted, does not tx on PT depth change.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	01-Sep-09
Time:	12:13	Service Type:	OneRain Service Ca
Status:	OK	Technician:	DP/SB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
850	12:28	2047		0
850	12:29	0		0
850	12:29	1		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Poor communication with CR10X, PT not sampling properly.

Action Taken: Replaced pull 90 in PT conduit and added a union in line. Communicated with different laptop. Reloaded program, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sand Creek @ Colfax** Date: **02-Sep-09** Time: **11:37**
 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
860	11:43	203		0
860	11:43	204		0
863	11:41	1017	5.05 psi	1026
863	11:42	434	2.06 psi	436

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 LogSite Name: **Murphy Creek**Date: **17-Sep-09**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
870	13:45	359		0
870	13:46	360		0
873	13:41	1166	5.05 psi	1175
873	13:42	470	2.01 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:	Aurora Res Wx	Date:	17-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 13:09
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
900	13:16	162		0
900	13:17	163		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 13:13 ID 901 raw = 341 => 34.1% RH, ID 902 raw = 1117 = 71.7 deg.F, psychrometer readings Td = 73 deg.F, Tw = 56 deg.F implying RH = 36% and dp = 44 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:	17-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 11:29
			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	11:36	438		0
940	11:37	439		0
943	11:33	746	5.01 psi	754
943	11:34	298	2.05 psi	308

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:	17-Sep-09
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
950	11:52	443		0	
950	11:52	444		0	
953	11:49	762	5.05 psi	769	
953	11:50	307	2.06 psi	315	

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: **09-Sep-09** Time: **12:45**
 Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0247	1000
BY R 0615	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
1000	13:00	1		0
1000	13:01	2		0
1003	12:52	1084	5.31 psi	1084
1003	12:53	330	1.63 psi	332

Battery Tests

Battery #	V Quiescent	V Load
BY R 0247	12.84	

Problem:

Action Taken: PT OK. Good hydraulic contact. TB OK. RF OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Nolte Pond**Date: **09-Sep-09**Time: **12:14**Service Type: **Inspection**Technician: **SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0837	1020
BY R 0833	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
1023	12:24	1293	5.57 psi	1297
1023	12:25	462	1.99 psi	463

Battery Tests

Battery #	V Quiescent	V Load
BY R 0837	12.73	

Problem:**Action Taken:** Replaced battery. PT OK. RF OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Lena @ Hwy 6**Date: **02-Sep-09**Time: **15:30**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	15:26	336		0
1040	15:35	337		0
1040	15:35	338		0
1043	15:31	1117	5.30 psi	1104
1043	15:32	440	2.11 psi	434

Battery Tests

Battery # V Quiescent V Load

Problem:**Action Taken:** PT OK. Good Hydraulic Contact. 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:	24-Sep-09
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	
1100	13:06	314		0	
1100	13:06	315		0	
1103	13:03	1036	5.03 psi	1021	
1103	13:04	426	2.04 psi	415	

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: 06-Oct-09	Time: 10:52
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
1110	11:06	233		0
1110	11:06	234		0
1113	11:02	1147	5.53 psi	1143
1113	11:03	387	1.86 psi	387

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good Hydraulic Contact. TB OK. TXR OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	24-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 12:28
			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	12:37	237		0
1200	12:37	238		0
1203	12:33	939	5.05 psi	929
1203	12:34	374	2.01 psi	368

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 LogSite Name: **Hidden Lake**Date: **14-Sep-09**Time: **13:37**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location
BY R 0918	1300
BY R 0910	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1303	0.015	-0.0241	0.0089

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	14:02	1		0
1300	14:03	2		0
1303	13:54	1369	9.03 psi	2000
1303	13:55	1073	7.09 psi	1570
1303	13:55	769	5.08 psi	1123
1303	13:55	467	3.08 psi	680
1303	13:56	157	1.02 psi	223
1303	13:57	764	5.05 psi	762
1303	13:57	317	2.10 psi	317

Battery Tests

Battery #	V Quiescent	V Load
BY R 0918	12.90	

Problem:

Action Taken: PT tests low, replaced sig con (15psi) and set zero point, recalibrated, repeatability OK, good hydraulic contact. TB OK
 {Auto Entry: Calibrated sensor 1303 by linear regression. Modified calibration data. New calibration [Slope(0.0153), Calibration Offset(-0.0241), Std Error(0.0089), Calibration Date(9/14/2009 1:56:34 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	24-Sep-09
Time:	11:46		
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	
1310	11:53	389		0	
1310	11:53	390		0	
1313	11:49	1025	5.04 psi	1025	
1313	11:50	398	2.00 psi	405	

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: **SPR @Mausoleum** Date: **16-Sep-09** Time: **12:01**
 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
1320	12:06	336		0
1320	12:06	337		0
1320	12:07	338		0
1323	12:04	1086	5.00 psi	1081
1323	12:05	391	1.99 psi	387

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: **Sanderson Gulch** Date: **16-Sep-09** 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: **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
1343	12:44	481	5.19 psi	483
1343	12:45	187	2.01 psi	187

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: **15-Sep-09** Time: **11:42**
 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: Not reporting.

Action Taken: Working locally, good RF power. Solar OK. Will check repeater.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	09-Sep-09
Service Type:	Inspection	Technician:	SB
			Time: 14:07
			Status: OK

Configuration Changes	
Part #	Location
BY R 9732	1400
BY R 0901	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	14:23	1		0
1400	14:23	4		0
1400	14:24	5		0
1400	14:24	7		0
1403	14:16	1207	5.47 psi	1202
1403	14:17	407	1.84 psi	405

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9732	13.08	

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:	15-Sep-09
Service Type:	Service Call	Technician:	DP
			Time: 12:45
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1420	12:59	662		0
1420	13:01	663		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Report of "OBS bad" from UDFCD consulting weatherman.

Action Taken: @ 12:56 ID 1421 raw = 26 => 26% RH, ID 1422 raw = 123 => 83 deg.F, psychrometer readings Td = 84 deg.F, Tw = 61 deg.F implying Rh = 28% and dp = 47 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:	17-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	10:01
		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
1440	10:12	788		0
1440	10:13	789		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:01 ID 1441 raw = 56 => 56% RH, ID 1442 raw = 102 => 62 deg.F, psychrometer readings Td = 61 deg.F, Tw = 52 deg.F implying RH =58% and dp = 46 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	24-Sep-09
Time:	10:08		
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
1460	10:10	1306		0
1460	10:10	1307		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Quit reporting 9/21.

Action Taken: Replaced radio. RF OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	02-Sep-09
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
1460	10:08	1289		0
1460	10:09	1290		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:02 ID 1461 raw = 415 => 41.50% RH, ID 1462 raw = 1125 => 73.50 deg.F, psychrometer readings Td = 74 deg.F, Tw = 60 deg.F implying Rh = 46 % and dp = 52 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:	10-Sep-09
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	13:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0303	1480
BY R 0241	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
1480	13:37	1		0
1480	13:37	3		0
1483	13:25	998	5.03 psi	993
1483	13:26	411	2.08 psi	411
1484	13:31	1026	5.07 psi	1034
1484	13:32	416	2.06 psi	421

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0303	12.97	

Problem: Quit reporting.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Powers Park

Date: 28-Sep-09

Time: 11:46

Service Type: Inspection

Technician: DP/SB

Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1503	0.012	0.0305	0.0075

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	12:03	160		0
1500	12:03	161		0
1503	11:57	1834	9.15 psi	1636
1503	11:58	1406	7.02 psi	1255
1503	11:58	977	4.88 psi	873
1503	11:58	605	3.03 psi	541
1503	11:59	197	0.99 psi	177
1503	11:59	1020	5.11 psi	1022
1503	12:00	454	2.29 psi	456

Battery Tests

Battery # V Quiescent V Load

Problem:

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

{Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(0.0305), Std Error(0.0075), Calibration Date(9/28/2009 11:59:29 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	18-Sep-09
		Time:	11:12
Service Type:		Technician:	Status:

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Updated program to read PT correctly. Calibrated and inserted new slope and offset in program (slope: 2.3215, offset: -0.1819)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	16-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	13:18
		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
1520	14:16	7		0
1520	14:16	8		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests low, PT alone tests OK. TB OK. Will return to correct PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	16-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	12:58
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1530	13:04	410			0
1530	13:04	411			0
1533	13:01	1121	5.01 psi		1107
1533	13:02	442	2.06 psi		439

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 13:05ID 1533 raw = 183 =>2.71, Tape = 2.50, enc = 2.429. TB OK. CDWR log from 9/15/09 @ 11:04 tape= 2.47, enc = 2.472.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	16-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 11:34
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1563	11:42	1014	5.08 psi	1019	
1563	11:43	433	2.16 psi	435	

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:	28-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 10:58
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1600	11:06	277		0
1600	11:06	278		0
1603	11:04	1201	5.02 psi	1182
1603	11:05	505	2.09 psi	492

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 LogSite Name: **Holly Dam**Date: **28-Sep-09**Time: **11:15**Service Type: **Inspection**Technician: **DP/SB**Status: **OK****Configuration Changes**

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
1613	11:17	1089	5.10 psi	1068
1613	11:18	469	2.07 psi	445

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:	Slaughterhouse	Date:	28-Sep-09
Service Type:	Inspection	Technician:	DP/SB
			Time: 11:34
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1620	11:38	336		0
1620	11:38	337		0
1623	11:36	1232	5.05 psi	1222
1623	11:37	509	2.09 psi	510

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:	S Platte @ Dart	Date:	28-Sep-09
Service Type:	Inspection	Technician:	DP/SB
		Time:	13:36
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0909	1630
BY R 0943	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 0909	12.93	

Problem:

Action Taken: Replaced battery. @ 13:40 ID 1629 raw =0 => 1.76, tape = 1.60.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	28-Sep-09
Service Type:	Inspection	Technician:	DP/SB
			Time: 12:30
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	13:24	74		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Sampling too often.

Action Taken: Talked to USGS, asked to change from bubbler to "radar" sensor @ SDI1_1. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	15-Sep-09
Time:	13:22	Status:	OK
Service Type:	Inspection	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:

Action Taken: @ 13:23 ID1649 raw = 324 => 3.21, Tape = 3.13, enc = 3.13. CDWR log frm 9/11/09 @ 9: 25 tape = 3.07, outside = 3.06, pen = 3.08, enc = 3.06.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	10-Sep-09
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
1660	14:13	86		0
1660	14:13	87		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 14:08 ID 1659 raw = 421 => 4.21, tape and enc = 4.36. CDWR log from 9/1/09 @ 11:00 tape = 4.42, pen = 4.43, enc = 4.42. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	15-Sep-09
		Time:	13:38
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	13:47	98		0
1700	13:53	99		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: not reporting.

Action Taken: Replaced battery. Reporting locally. Added battery ID to database. TB OK. Added screen to TB funnel, cleaned.

{Auto Entry: Created new sensor definition. Sensor 1705, Site 1700. New calibration [Slope(0.01), Calibration Offset(0), Reference Level(0), Calibration Date(9/15/2009 1:56:03 PM), Max Count(2047), Min Count(1000), Pos Delta(500), Neg Delta(500), Rating Shift(0)].

{Auto Entry: Modified calibration for sensor 1705. New calibration [Slope(0.01), Calibration Offset(0), Reference Level(0), Calibration Date(9/15/2009 1:56:03 PM), Max Count(2047), Min Count(1000), Pos Delta(500), Neg Delta(500), Rating Shift(0)].

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Cherry Ck/Steele**Date: **11-Sep-09**Time: **11:29**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 0830	1720
BY R 0337	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
1720	11:42	1		0
1720	11:42	2		0
1723	11:33	909	5.03 psi	892
1723	11:34	369	2.03 psi	364

Battery Tests

Battery #	V Quiescent	V Load
BY R 0830	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:	Sand Creek Park	Date:	31-Aug-09
Service Type:	Inspection	Technician:	DP
			Time: 12:03
			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	
1800	12:14	352			0
1800	12:15	353			0
1803	12:08	1022	5.01 psi		1021
1803	12:09	419	2.05 psi		416

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:	Sand Creek Mouth	Date:	16-Oct-09
Time:	9:12		
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	9:32	20		0
1810	9:32	21		0
1813	9:17	1062	5.12 psi	1057
1813	9:18	418	2.00 psi	415

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, cleared intake, sand bar, 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:	16-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 10:19
			Status: OK

Configuration Changes	
Part #	Location
BY R 0809	1900
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:	1900-00E
Jumpers:	C:J6,1-2,J3,J5 off; L:J9,10
Eprom:	R 1.8-3min. 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1900	10:54	1		0
1900	10:54	2		0
1903	10:44	912	5.01 psi	910
1903	10:47	368	2.02 psi	372

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0809	13.00	

Problem:

Action Taken: Replaced battery. Changed prom for 3 minute sampling of PT. PT tests OK, good hydraulic contact. TB OK.

Site Notes: 3 min. sampling.

Follow-Up: Note: 3 min. sampling.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	10-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	14:27
		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	14:34	858		0
1920	14:35	859		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 2:17 ID 1921 raw = 44 => 17.25%, ID 1922 raw = 170 = 90 deg.F, psychrometer readings Td = 90 deg.F, Tw = 62 deg.F implying RH = 21% and dp = 45deg.F. Wind sensors rotating freely. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Squaw Mountain	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP/SB
		Time:	10:26
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:22 ID 2191 raw = 20 => 20% RH, ID 2192 raw = 95 => 55 deg.F, psychrometer readings
 Td = 55 deg.F, Tw = 38 deg.F implying RH = 22% and dp = 17 deg.F. T B OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hiwan	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	11:25
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2210	11:32	48		0
2210	11:34	49		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:31 ID 2211 raw = 12 => 12%, ID 2212 raw = 117 => 77 deg.F, psychrometer readings Td = 77 deg.F, Tw = 48 deg.F implying RH = 12% and dp = 20 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Evergreen Lake**Date: **29-Sep-09**Time: **12:28**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
2223	12:35	1145	5.11 psi	1144
2223	12:36	462	2.06 psi	467

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:	Bear Creek @ Cub	Date:	29-Sep-09
Time:	12:18	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
2230	12:24	364		0
2230	12:25	365		0
2233	12:20	1122	5.10 psi	1122
2233	12:21	509	2.09 psi	498

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:	Cold Spring Glch	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 13:30
			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	
2240	13:35	44			0
2240	13:35	45			0
2243	13:32	1038	5.07 psi		1046
2243	13:33	419	2.05 psi		425

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:	Rosedale	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	12:00
		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	
2250	12:06	385		0	
2250	12:07	386		0	
2253	12:03	1072	5.09 psi	1068	
2253	12:04	451	2.09 psi	450	

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:	Cub Ck below Blue	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 13:03
			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	
2270	13:10	116		0	
2270	13:11	117		0	
2273	13:06	1038	5.04 psi	1040	
2273	13:07	421	2.04 psi	422	

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:	Morrison	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	13:49
		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	13:56	514		0
2330	13:56	515		0
2333	13:52	1179	5.06 psi	1181
2333	13:53	488	2.07 psi	484

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. TB OK. @ 13:54 ID 2333 raw = 304 => 5.82, tape = 5.82, enc = 5.825. CDWR log from 9/23/09 @ 9:26 tape = 5.97, pen = 5.98, enc = 5.968.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	29-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	14:06
		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	
2370	14:13	23			0
2370	14:13	24			0
2373	14:10	1066	5.05 psi		1074
2373	14:11	451	2.07 psi		454

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: **Cottonwood Park** Date: **11-Sep-09** Time: **10:17**
Service Type: **Installation** Technician: **SB/MZ** Status: **OK**

Configuration Changes

Part #	Location
TX J 27314	2870
SP J27955	2870
PT D 2946339	2870
BY R 0286	2870

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2873	0.014	-0.0086	0.0035

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers: **3 and 5 removed**
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.0**
SWR: **1.11**

Test Transmission

Port	Time	Count	Measure	Predicted
2870	10:40	1		0
2870	10:41	2		0
2873	10:29	1558	9.52 psi	0
2873	10:30	1196	7.31 psi	0
2873	10:31	865	5.29 psi	0
2873	10:31	566	3.46 psi	0
2873	10:32	258	1.57 psi	0
2873	10:33	848	5.18 psi	849
2873	10:34	347	2.12 psi	347

Battery Tests

Battery #	V Quiescent	V Load
BY R 0286	12.90	

Problem:

Action Taken: Installed standpipe, conduit, PT, TB, txr, and solar. PT 200 feet. Conduit 185 feet. 2 Access points 1 is 70 feet up from PT. 2nd is 150 feet from PT. TXR OK. TB OK. PT OK.

{Auto Entry: Calibrated sensor 2873 by linear regression. Modified calibration data. New calibration [Slope(0.0141), Calibration Offset(-0.0086), Std Error(0.0035), Calibration Date(9/11/2009 10:32:35 AM)]}.

{Auto Entry: Created new sensor definition. Sensor 2875, Site 2870. New calibration [Slope(1), Calibration Offset(0), Reference Level(0), Calibration Date(9/11/2009 1:33:27 PM), Max Count(2047), Min Count(0), Pos Delta(2047), Neg Delta(2047), Rating Shift(0)]}.

{Auto Entry: Created new sensor definition. Sensor 2873, Site 2870. New calibration [Slope(1), Calibration Offset(0), Reference Level(0), Calibration Date(9/11/2009 1:35:19 PM), Max Count(2047), Min Count(0), Pos Delta(2047), Neg Delta(2047), Rating Shift(0)]}.

#: 400078

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Site ID: 2870

{Auto Entry: Modified calibration for sensor 2873. New calibration [Slope(1), Calibration Offset(0), Reference Level(0), Calibration Date(9/11/2009 1:35:19 PM), Max Count(2047), Min Count(0), Pos Delta(2047), Neg Delta(2047), Rating Shift(0)]}.

{Auto Entry: Created new sensor definition. Sensor 2870, Site 2870. New calibration [Slope(1), Calibration Offset(0), Reference Level(0), Calibration Date(9/11/2009 1:35:42 PM), Max Count(2047), Min Count(0), Pos Delta(2047), Neg Delta(2047), Rating Shift(0)]}.

{Auto Entry: Modified calibration for sensor 2870. New calibration [Slope(1), Calibration Offset(0), Reference Level(0), Calibration Date(9/11/2009 1:35:42 PM), Max Count(2047), Min Count(0), Pos Delta(2047), Neg Delta(2047), Rating Shift(0)]}.

Site Notes: N 39° 33' 28" W -104° 47' 08" Elevation 5728

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	30-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 12:03
			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	
4373	12:07	1031	5.00 psi	1029	
4373	12:08	428	2.06 psi	424	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @ 12:09 ID 4373 raw = 145 => 1.32, tape = 1.28, enc = 1.28. CDWR log from 9/24/09 @ 14:50 tape = 0.29, outside = 0.28, pen = 0.29, enc = 0.29.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	30-Sep-09
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	
4383	11:09	1081	5.08 psi	1080	
4383	11:10	431	2.02 psi	434	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @ 11:14 ID 4383 raw = 66 => 1.62, tape = 1.51, enc = 1.51. CDWR log from 9/22/09 @ 16:10 tape = 1.40, pen = 1.39, outside = 1.39, enc = 1.40

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	30-Sep-09
Service Type:	Inspection	Technician:	DP
		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	
4393	13:28	1158	5.00 psi	1166	
4393	13:29	474	2.05 psi	477	

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:	OrodeII	Date:	30-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	13:40
		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	13:43	1026	5.00 psi	1033	
4403	13:44	422	2.05 psi	425	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @ 13:45 ID 4403 raw = 123 => 1.93, tape = 1.83, enc = 1.83. CDWR log from 9/22/09 @11:42 tape = 1.87, pen = 1.87, enc = 1.87.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fourmile	Date:	30-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 14:02
			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	
4413	14:05	1203	5.13 psi	1219	
4413	14:06	481	2.06 psi	492	

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:	Bridge	Date:	30-Sep-09
Service Type:	Inspection	Technician:	DP
			Time: 14:26
			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	
4423	14:30	1047	5.03 psi	1034	
4423	14:31	436	2.05 psi	420	

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:	Rowena	Date:	02-Oct-09
Service Type:	Inspection	Technician:	DP
			Time: 10:49
			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	10:52	1201	5.04 psi	1197	
4433	10:53	474	2.02 psi	471	

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:	James Creek	Date:	02-Oct-09
Service Type:	Inspection	Technician:	DP
			Time: 11:07
			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	
4443	11:10	1197	5.01 psi	1182	
4443	11:11	493	2.04 psi	481	

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:	02-Oct-09
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4453	0.011	0.1749	0.0393

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	11:37	1733	8.50	psi	1656
4453	11:38	1426	7.01	psi	1364
4453	11:39	1025	5.06	psi	984
4453	11:40	611	3.05	psi	591
4453	11:41	200	1.04	psi	199
4453	11:42	1026	5.07	psi	1029
4453	11:43	403	2.04	psi	404

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested high, recalibrated, repeatability OK.
 {Auto Entry: Calibrated sensor 4453 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.1749), Std Error(0.0393), Calibration Date(10/2/2009 11:41:24 AM)]}.

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:	02-Oct-09
		Time:	12:15
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	
4463	12:18	1219	5.13 psi	1221	
4463	12:19	488	2.06 psi	490	

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:	Little Narrows	Date:	02-Oct-09
Service Type:	Inspection	Technician:	DP
			Time: 12:06
			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	12:07	296		0
4470	12:07	297		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:	02-Oct-09
Service Type:	Inspection	Technician:	DP
			Time: 12:54
			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	12:58	1220	5.11 psi	1205	
4563	12:59	489	2.04 psi	481	

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: Broadway	Date: 15-Oct-09	Time: 13:52	
Service Type: Inspection	Technician: DP	Status: OK	

Configuration Changes	
Part #	Location
BY J 0405	4580
BY J 0903	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4583	0.006	0.0337	0.0078

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	14:09	1841	4.71 psi	1877	
4583	14:10	1373	3.52 psi	1405	
4583	14:11	987	2.53 psi	1013	
4583	14:12	593	1.53 psi	613	
4583	14:13	195	0.51 psi	209	
4583	14:15	1314	3.36 psi	1308	
4583	14:16	581	1.49 psi	578	

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0405	13.33	

Problem:

Action Taken: Replaced battery and desiccant in trx. Reprogrammed for LO season. PT tests low, recalibrated, repeatability OK. Recommend replacing PT.
 {Auto Entry: Calibrated sensor 4583 by linear regression. Modified calibration data. New calibration [Slope(0.0059), Calibration Offset(0.0337), Std Error(0.0078), Calibration Date(10/15/2009 2:13:56 PM)]}.
 {Auto Entry: Modified calibration for sensor 4583. New calibration [Slope(0.0059), Calibration Offset(0.0337), Reference Level(-0.3), Calibration Date(10/15/2009 2:13:56 PM), Max Count(2047), Min Count(0), Pos Delta(500), Neg Delta(500), Rating Shift(0)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broadway** Date: **03-Sep-09** Time: **12:41**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY J 0405	4580
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:
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY J 0405	13.12	

Problem: Battery declining.

Action Taken: Replaced battery and reprogrammed. @ 13:01 ID 4583 raw = 182 => 0.82, staff gage = 0.82.

{Auto Entry: Modified calibration for sensor 4583. New calibration [Slope(0.0058), Calibration Offset(-0.2177), Reference Level(-0.02), Calibration Date(5/8/2008 10:32:50 AM), Max Count(2047), Min Count(0), Pos Delta(500), Neg Delta(500), Rating Shift(0)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broadway** Date: **24-Sep-09** Time: **13:49**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY J 0903	4580
BY J 0405	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4583	0.006	-0.0363	0.006

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
4583	14:00	1944	4.90 psi	1984
4583	14:02	1575	3.96 psi	1614
4583	14:03	1168	2.93 psi	1204
4583	14:04	750	1.88 psi	784
4583	14:05	414	1.03 psi	448
4583	14:06	1683	4.23 psi	1689
4583	14:07	809	2.02 psi	811

Battery Tests

Battery #	V Quiescent	V Load
BY J 0903	12.90	

Problem: Battery low.

Action Taken: Replaced battery. PT tests low, recalibrated, repeatability OK. Adjusted ref level to -0.22. now matches staff gage.

{Auto Entry: Calibrated sensor 4583 by linear regression. Modified calibration data. New calibration [Slope(0.0058), Calibration Offset(-0.0363), Std Error(0.0060), Calibration Date(9/24/2009 2:05:53 PM)]}.

{Auto Entry: Modified calibration for sensor 4583. New calibration [Slope(0.0058), Calibration Offset(-0.0363), Reference Level(-0.22), Calibration Date(9/24/2009 2:05:53 PM), Max Count(2047), Min Count(0), Pos Delta(500), Neg Delta(500), Rating Shift(0)]}.

Site Notes:

Follow-Up: PT varying low, check closely.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	06-Oct-09
Time:	11:41	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	
4593	11:42	1059	5.41 psi	1045	
4593	11:42	350	1.84 psi	348	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT OK. Good hydraulic Contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Hills Mills Date: 07-Oct-09 Time: 10:58
 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: 4710
 Jumpers:
 Eprom: Ver 3.4
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 3.2
 Rev Power: 0.0
 SWR: 1.12

Test Transmission

Port	Time	Count	Measure	Predicted
4710	11:13	1743		0
4710	11:14	1744		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Site RH 39, AT 45. Psychrometer RH 42, AT 49. RH OK. Wind OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	07-Oct-09
Time:	12:05	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:	4730
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
4730	12:16	164		0
4730	12:17	165		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Sugarloaf AT 52, RH 41. Psychrometer AT 58, RH 39. TB OK. RF OK. WInd OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	24-Sep-09
Service Type:	Inspection	Technician:	DP
		Time:	13:16
		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	13:26	433		0
4750	13:27	434		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 13:24 ID 4571 raw = 100 => 39.22% RH, ID 4572 raw = 142 => 62 deg.F, psychrometer readings Td = 62 deg.F, Tw = 49 deg.F implying RH = 41% and dp = 38 deg.F. Wind sensors rotating freely. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	06-Oct-09
Service Type:	Inspection	Technician:	SB
			Time: 14:26
			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
4770	14:43	264		0
4770	14:44	265		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Calwood AT 49, RH 35.69. Psychrometer AT 50, RH 48. TB OK. RH OK. WInd OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Button Rock**Date: **06-Oct-09**Time: **13:06**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 PerformanceSwitches: **4790**

Jumpers:

Eprom: **9601-01-81 Ver 3.5R**Tx Freq: **169.500**

Rx Freq:

Fwd Power: **5.0**Rev Power: **0.0**SWR: **1.09****Test Transmission**

Port	Time	Count	Measure	Predicted
4790	13:20	850		0
4790	13:22	851		0

Battery Tests

Battery # V Quiescent V Load

Problem:**Action Taken:** Site reading RH 48.6, AT 48. Psychrometer RH 45, AT 50. TB OK. RH OK. RF OK. Wind OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr. @ Sans	Date:	30-Sep-09
		Time:	10:23
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:	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	10:41	608		0
4830	10:42	609		0
4833	10:37	1141	5.09 psi	1144
4833	10:38	470	2.09 psi	471

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: **30-Sep-09** Time: **9:56**
 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	10:03	90		0
4840	10:04	91		0
4843	10:00	1241	5.05 psi	1228
4843	10:01	496	2.08 psi	508

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: **West Repeater** Date: **10-Sep-09** Time: **10:12**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
RP DN 002	8000

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 new Dual repeater with Ritron radio's.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **West Repeater** Date: **08-Sep-09** Time: **12:40**
 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: Installed new Sinclair cavity filter on 169.525 MHz input.

Site Notes:**Follow-Up:**