

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Carr St	Date:	28-Oct-11
Service Type:	End of Season	Technician:	SB/ZC
		Time:	10:53
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 11031	9000
TB J 21318	9000
PT D 1928666	9000
BY R 0936	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: Removed TXR, Battery, and TB. Removed PT and antenna due to site reconstruction.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Carr St	Date:	15-Jun-11
Service Type:	Inspection	Technician:	DP
			Time: 11:02
			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	
100	11:10	151			0
100	11:11	152			0
103	11:06	1170	5.02 psi		1181
103	11:07	486	2.07 psi		492

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up: Pull PT in fall.

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Service Log			
Site Name:	Carr St	Date:	06-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	11:56
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
100	12:19	307		0	
103	12:15	1223	5.21 psi	1224	
103	12:16	548	2.32 psi	551	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact, TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: Carr St Date: 22-Feb-11 Time: 11:17
Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 11031	100
TB J 21318	100
BY R 0936	100

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: 0100-3-0
Jumpers: C:J6 1-2,J3,5 off; L:
Eprom: R 1.8 57FE
Tx Freq: 169.500
Rx Freq:
Fwd Power: 5.0
Rev Power: 0.1
SWR: 1.33

Test Transmission

Port	Time	Count	Measure	Predicted
100	11:42	1		0
100	11:43	2		0
103	11:33	1326	5.66 psi	1329
103	11:33	390	1.63 psi	390

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant and dropped PT. Flushed PT Intake. PT OK. Good Hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	14-Jul-11
Service Type:	Inspection	Technician:	SB
		Time:	12:43
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0254	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0110-00E
Jumpers:	C:J6,1-2,J3,5off;L:J9,10,1-
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0254	13.10	

Problem:

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

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	09-Mar-11
Service Type:	Start Up	Technician:	SB
			Time: 11:37
			Status: OK

Configuration Changes	
Part #	Location
BY R 0254	110
BY R 0906	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0110-00E
Jumpers:	C:J6,1-2,J3,5off;L:J9,10,1-
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
110	12:05	1		0	
110	12:05	2		0	
113	11:53	1121	4.80 psi	1105	
113	11:54	472	2.01 psi	461	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0254	12.90	

Problem:

Action Taken: Replaced battery in TXR. Tested PT. PT OK. Good Hydraulic Contact. Replaced desiccant. RF OK. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	15-Nov-11
Service Type:	End of Season	Technician:	ZC/DP
			Time: 11:39
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 8698	9000
TB J 18576	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: Removed Battery, TXR and TB. PT inaccessible.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	07-Sep-11
Time:	10:40	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
110	10:41	42		0
110	10:41	43		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Reservoir full. Did not pull PT. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	06-Sep-11
		Time:	10:38
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
120	10:49	21		0	
120	10:49	22		0	
123	10:46	1062	5.18 psi	1075	
123	10:47	482	2.34 psi	485	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Croke Pump Stn** Date: **25-Jul-11** Time: **14:05**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1136	120
BY R 0415	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
120	14:24	1		0
120	14:24	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem: Low battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	15-Nov-11
Service Type:	End of Season	Technician:	ZC/DP
			Time: 13:33
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 28970	9000
TB J 10738	9000
BY R 1136	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	
123	13:35	1037	5.07 psi	1053	
123	13:37	433	2.11 psi	438	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT, PT OK. Removed battery, TXR and TB.

Site Notes:

Follow-Up:

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Service Log

Site Name: Croke Pump Stn	Date: 22-Feb-11	Time: 12:48
Service Type: Start Up	Technician: SB	Status: Site Down

Configuration Changes

Part #	Location
TX J 28970	120

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: **0120-00E**
 Jumpers: **3,5 Removed**
 Eprom:
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
TB J 23177	13.10	

Problem:

Action Taken: N796 Key does not unlock gate. No Access.

Site Notes:

Follow-Up:

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Service Log

Site Name: **Croke Pump Stn** Date: **01-Mar-11** Time: **13:17**
Service Type: **Start Up** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
TB J 10738	120
BY R 0415	120

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
120	13:45	1		0
120	13:45	2		0
123	13:31	1206	5.88 psi	1221
123	13:32	469	2.29 psi	475

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

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

Site Notes: Replaced lock with BOR

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	15-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	11:53
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
120	12:02	150		0	
120	12:03	151		0	
123	11:56	1018	5.00 psi	1038	
123	11:57	409	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:

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Service Log			
Site Name:	Simm St	Date:	31-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	13:45
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1120	130
BY R 0417	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0130-0002-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
133	11:09	1095	5.25 psi	1092	
133	11:10	486	2.32 psi	483	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1120	13.01	

Problem: Low battery

Action Taken: Changed battery. PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Simm St	Date:	15-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	11:37
		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	11:38	1050	5.07 psi	1055	
133	11:39	427	2.07 psi	430	

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
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Service Log			
Site Name:	Simm St	Date:	01-Mar-11
		Time:	14:45
Service Type:	Start Up	Technician:	SB/DP
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25155	130
BY R 0417	130

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0130-0002-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
133	14:55	1369	6.58 psi	1368	
133	14:56	460	2.20 psi	458	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and dropped PT. Flushed intake. PT OK. Good Hydraulic contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Simm St	Date:	28-Oct-11
Service Type:	End of Season	Technician:	SB/ZC
			Time: 12:21
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25155	9000
BY R 1120	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	
133	12:45	1050	5.05 psi	1049	
133	12:46	432	2.07 psi	432	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, and Battery for season. Pulled up PT. PT tested OK. RF OK. Site Down.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Blue Mountain	Date:	06-May-11
Service Type:	Inspection	Technician:	DP
		Time:	11:24
		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:	L: w3, w4 on
Eprom:	555 v3.01
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.0
SWR:	1.11

Test Transmission				
Port	Time	Count	Measure	Predicted
140	11:35	223		0
140	11:35	224		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Solar OK. TB OK. @ 11:27 ID 141 raw = 17 => 17 % RH, ID 142 raw = 101 => 61 deg.f, psychrometer readings Td = 62 deg.F, Tw = 43 deg.F implying RH = 21% and dp = 21 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Blue Mountain	Date:	22-Nov-11
Service Type:	Inspection	Technician:	PB
		Time:	11:30
		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
140	11:32	527		0
140	11:32	528		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. RF OK. @ 11:31 141 raw = 34 => 34 % RH. 142 raw = 79 => 39 deg. F. Psychrometer reading Td = 38 deg. F, Tw = 30 deg. F, implying 40% RH and 16 deg. F dp.

Tested tx side of West Rptr. OK. Dev 3, 5W, FE = 42Hz

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Blue Mountain	Date:	08-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	11:36
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. Wind OK. Fuel temp/moisture OK. @ 11:43 ID 141 raw = 66 => 66% RH, ID 142 90.27 raw = 96 => 56 deg.F, psychrometer readings Td = 63 deg.F, Tw = 55 deg.F implying RH = 63% and dp = 50 deg.F.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Blue Mountain	Date:	14-Jul-11
Service Type:	Inspection	Technician:	SB
			Time: 11:20
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	L: w3, w4 on
Eprom:	555 v3.01
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	1.0
SWR:	3

Test Transmission				
Port	Time	Count	Measure	Predicted
140	11:35	400		0
140	11:46	403		0

Battery Tests		
Battery #	V Quiescent	V Load
BY BOR 714	13.27	
BY BOR 703	13.25	

Problem:

Action Taken: Checked all 3 batteries individually. Appear to be OK. Recommend replacing all 3 batteries. PS 35 Ah. Quick connects installed. REV on radio is high. No need to replace radio yet... will continue to monitor. AEA showed a VSWR of 4.98... loose antenna connection resolved problem.. VSWR is now 1.3. This resolved the High REV reading. @ 11:50 AT = 74 RH = 58, Psychrometer AT =77 RH = 60. RH OK. AT OK. TB OK. Wind OK. Fuel OK.

Site Notes:

Follow-Up: Replace 3 35 Ah batteries.

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Service Log			
Site Name:	Nott Creek	Date:	22-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	13:15
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1127	150
BY R 0416	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
150	13:23	1		0
150	13:23	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1127	13.13	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Nott Creek	Date:	10-Oct-11
Service Type:	End of Season	Time:	10:46
		Technician:	SB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25151	9000
TB H 553	9000
BY R 0416	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0150-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
150	10:50	83		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Battery, TB, and TXR for the season. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Nott Creek	Date: 09-Mar-11	Time: 10:36	
Service Type: Start Up	Technician: SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 25151	150
TB H 553	150
BY R 0416	150

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0150-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.1
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
150	10:48	1		0
150	10:50	2		0
150	10:50	3		0

Battery Tests		
Battery #	V Quiescent	V Load
TB H 553	12.88	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Reservoir	Date:	06-Sep-11
Time:	10:12		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
200	10:21	288		0	
200	10:21	289		0	
203	10:14	551	5.28 psi	544	
203	10:15	226	2.13 psi	224	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Reservoir	Date:	01-Mar-11
		Time:	14:02
Service Type:	Start Up	Technician:	SB/DP
		Status:	OK

Configuration Changes	
Part #	Location
TB J 8374	200
BY R 0309	200
TB J 19612	9000
BY R 0321	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0200-00D
Jumpers:	C:J6,1-2,J3,5 off; L:J8,9,1-
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure	Predicted	
200	14:28	1		0	
200	14:28	2		0	
203	14:14	664	6.44 psi	661	
203	14:15	255	2.44 psi	256	

Battery Tests		
Battery #	V Quiescent	V Load
TB J 8374	13.06	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Reservoir	Date:	15-Nov-11
Time:	14:10	Status:	Site Down
Service Type:	End of Season	Technician:	ZC/DP

Configuration Changes	
Part #	Location
TB J 8374	9000
BY R 0309	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
203	14:17	1040	10.21 psi	1042
203	14:18	409	4.08 psi	421

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT, PT OK. Removed battery, TXR and TB

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Reservoir	Date:	15-Jun-11
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
200	12:23	132		0
200	12:23	133		0
203	12:18	1029	10.06 psi	1027
203	12:19	415	4.05 psi	419

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:	Leyden Conf.	Date:	01-Mar-11
Service Type:	Start Up	Technician:	SB/DP
		Time:	15:17
		Status:	OK

Configuration Changes	
Part #	Location
TX J 8696	210
TB J 10764	210
BY R 0339	210

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0210-3-0
Jumpers:	C:JB6,1-2 L:JB9,10, 1-2
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
210	15:34	1		0	
210	15:34	2		0	
213	15:25	1658	7.31 psi	1653	
213	15:26	625	2.74 psi	621	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, Desiccant, TB, and Dropped PT. PT Ok. GOod hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Leyden Conf.** Date: **15-Jun-11** Time: **11:25**
 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
210	11:31	170		0
210	11:31	171		0
213	11:27	1204	5.29 psi	1196
213	11:28	474	2.10 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:	Leyden Conf.	Date:	28-Oct-11
Service Type:	End of Season	Technician:	SB/ZC
			Time: 13:10
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 8696	9000
TB J 10764	9000
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
210	13:11	342		0
213	13:13	699	3.03 psi	663
213	13:14	534	2.33 psi	507

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, TB, and Battery for season. Pulled up PT. PT tested OK. RF OK. Site Down.

Site Notes:

Follow-Up: Calibrate in Spring

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Conf.	Date:	31-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	15:00
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
213	0.010	0.0854	0.0432

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	15:17	285			0
210	15:18	286			0
213	15:06	1930	8.71 psi		1970
213	15:07	1544	6.99 psi		1580
213	15:08	1133	5.15 psi		1164
213	15:09	704	3.22 psi		729
213	15:10	685	3.14 psi		711
213	15:11	240	1.15 psi		260
213	15:12	3	0.00 psi		1

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact. TB cleaned.

Entry: Calibrated sensor 213 by linear regression. Modified calibration data. New calibration [Slope(0.0104), Calibration Offset(0.0854), Std Error(0.0432), Calibration Date(8/31/2011 3:13:08 PM)].

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Leyden	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	9:40
		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
220	9:41	261		0
220	9:42	262		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: **Upper Leyden** Date: **14-Feb-11** Time: **10:42**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0315	220
BY R 1002	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0220-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
220	11:00	3		0
220	11:00	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0315	13.08	

Problem:

Action Taken: Installed Battery, TB, and Desiccant. RF OK. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Leyden	Date:	15-Nov-11
Service Type:	End of Season	Technician:	ZC/DP
		Time:	11:02
		Status:	Site Down

Configuration Changes	
Part #	Location
BY R 0315	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
CE B039		105	4	0.00

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: Tested TXR, TXR OK. Removed battery and TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Upper Leyden** Date: **15-Jun-11** Time: **12:58**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
220	12:59	162		0
220	12:59	163		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:	Van Bibber Park	Date:	14-Feb-11
		Time:	10:06
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 13313	300
TB J 19644	300
BY R 0946	300

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
300	10:21	1		0
300	10:21	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0946	12.90	

Problem:

Action Taken: Installed TXR, Battery, TB, and Desiccant. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber Park	Date:	26-Jul-11
		Time:	9:59
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
300	10:00	273		0
300	10:01	274		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:	Van Bibber Park	Date:	28-Oct-11
Service Type:	End of Season	Technician:	SB/ZC
			Time: 12:04
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 13313	9000
TB J 19644	9000
BY R 0946	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, TB, and Battery for season. RF OK. Site Down.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber Park	Date:	05-Oct-11
		Time:	13:42
Service Type:	OneRain Service Ca	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
300	13:52	415		0
300	13:57	416		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Reported 2 inches of rain in 10 minutes... surrounding sites reported 0

Action Taken: Suspect vandalism. Site is fine. TB was wet. Continue to monitor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Guy Hill	Date:	10-Oct-11
Service Type:	End of Season	Technician:	SB
			Time: 11:30
			Status: Site Down

Configuration Changes	
Part #	Location
TB J 23318	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0310-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.9
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, Battery, and TB for season. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Guy Hill** Date: **28-Feb-11** Time: **11:39**
Service Type: **Start Up** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
TB J 23318	310
BY R 0942	310
TB J 18553	9000
BY R 0828	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **0310-3-0**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.8**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
310	11:49	1		0
310	11:49	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Guy Hill** Date: **22-Jul-11** Time: **13:55**
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
310	13:57	243		0
310	13:57	244		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:	Sports Complex	Date:	28-Oct-11
Service Type:	End of Season	Technician:	SB/ZC
			Time: 11:39
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 28969	9000
TB J 23174	9000
BY R 0250	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	
323	11:43	1199	5.77 psi	1191	
323	11:44	539	2.57 psi	533	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, TB, and Battery for season. Pulled up PT. PT tested OK. RF OK. Site Down.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sports Complex** Date: **22-Feb-11** Time: **12:04**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 28969	320
TB J 23174	320
BY R 0250	320

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0320-00E**
 Jumpers: **C: J6 1-2,J3.5 off L: J9,10**
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.9**
 Rev Power: **0.1**
 SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
320	12:29	1		0
320	12:29	2		0
323	12:19	944	4.55 psi	927
323	12:20	384	1.84 psi	373

Battery Tests

Battery #	V Quiescent	V Load
BY R 0250	13.24	

Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant, and dropped PT. Cleand Funnel. PT OK. Good Hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sports Complex** Date: **06-Sep-11** Time: **11:27**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
323	0.011	-0.0392	0.0149

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
320	11:42	316		0
320	11:43	317		0
323	11:31	1058	5.10 psi	1039
323	11:32	449	2.15 psi	437
323	11:33	1875	9.06 psi	1847
323	11:34	1467	7.09 psi	1445
323	11:35	1037	5.00 psi	1018
323	11:36	633	3.05 psi	620
323	11:37	225	1.07 psi	216
323	11:38	4	0.01 psi	-1
323	11:39	1064	5.14 psi	1061
323	11:40	445	2.14 psi	444

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested outside acceptable range. Good hydraulic contact. TB cleaned, OK.

{Auto Entry: Calibrated sensor 323 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(-0.0392), Std Error(0.0149), Calibration Date(9/6/2011 11:38:33 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sports Complex	Date:	15-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	10:43
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
320	10:48	172			0
320	10:49	173			0
323	10:45	1060	5.12 psi		1042
323	10:46	428	2.07 psi		420

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber @ 93	Date:	15-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	13:10
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
330	13:15	141			0
330	13:15	142			0
333	13:12	1025	5.08 psi		1042
333	13:13	417	2.06 psi		433

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: Van Bibber @ 93

Date: 15-Nov-11

Time: 12:18

Service Type: End of Season

Technician: ZC/DP

Status: Site Down

Configuration Changes

Part #	Location
TB H 570	9000
BY R 1031	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
333	12:23	1048	5.12 psi	1051
333	12:24	432	2.13 psi	446

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Tested PT. PT OK. Removed battery, TXR and TB.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber @ 93	Date:	07-Sep-11
Time:	10:58		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
330	11:06	290		0	
330	11:11	291		0	
333	11:03	1091	5.31 psi	1089	
333	11:04	458	2.21 psi	463	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Van Bibber @ 93

Date: 14-Feb-11

Time: 11:11

Service Type: Start Up

Technician: SB

Status: OK

Configuration Changes

Part #	Location
TB H 570	330
BY R 1031	330
TB H 551	9000
BY R 0332	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
330	11:39	1		0
330	11:39	2		0
333	11:34	1299	6.34 psi	1298
333	11:35	494	2.41 psi	502

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Installed TXR, Battery, TB, and Desiccant. Dropped PT. Tested PT. PT OK. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	27-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 13:21
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 11035	9000
TB J 23319	9000
BY R 0601	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
403	13:26	957	5.12 psi	945	
403	13:27	445	2.32 psi	423	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed TB, txr, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	16-Feb-11
Service Type:	Start Up	Technician:	PB
		Time:	10:36
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11035	400
TB J 23319	400
BY R 0601	400

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
403	0.011	0.0189	0.0123

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0400-00E
Jumpers:	C: J3, J5 off; j6 on
Eprom:	57EE R1.8
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.7
Rev Power:	0.1
SWR:	1.39

Test Transmission				
Port	Time	Count	Measure	Predicted
400	11:33	1		0
400	11:34	2		0
403	11:05	2021	9.98 psi	2016
403	11:06	1629	8.06 psi	1627
403	11:07	1133	5.62 psi	1134
403	11:08	661	3.28 psi	660
403	11:09	221	1.09 psi	217
403	11:10	987	4.93 psi	995
403	11:11	418	2.08 psi	419
640	15:11	1		0
640	15:11	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0601	13.19	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.0189), Std Error(0.0123), Calibration Date(2/16/2011 11:10:13 AM)]}.

Startup. Txr ok, TB ok, PT ok (recal'd). site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Montview Park** Date: **15-Jun-11** Time: **10:37**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
403	0.012	0.0025	0.0059

Tx Maintenance

Part # Ref V Freq Err Deviation 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	10:55	134		0
400	10:55	135		0
403	10:43	976	5.09 psi	1028
403	10:44	398	2.06 psi	416
403	10:46	1757	9.21 psi	1861
403	10:47	1362	7.14 psi	1444
403	10:48	971	5.10 psi	1030
403	10:49	587	3.08 psi	622
403	10:50	197	1.03 psi	206
403	10:51	973	5.14 psi	980
403	10:52	395	2.07 psi	395

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated PT. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0121), Calibration Offset(0.0025), Std Error(0.0059), Calibration Date(6/15/2011 10:50:43 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Montview Park** Date: **29-Aug-11** Time: **11:13**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
403	0.012	0.099	0.0245

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
400	11:26	344		0
400	11:26	346		0
403	11:18	1682	9.11 psi	1737
403	11:19	1285	6.98 psi	1331
403	11:20	908	4.95 psi	942
403	11:21	540	2.96 psi	564
403	11:22	190	1.06 psi	202
403	11:24	927	5.07 psi	935
403	11:25	376	2.09 psi	380

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0124), Calibration Offset(0.0990), Std Error(0.0245), Calibration Date(8/29/2011 11:23:22 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	02-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	12:17
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT out of service. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	08-Jul-11
Time:	11:07	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
410	11:11	128		0
410	11:11	130		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Missed rain event.

Action Taken: TB switch stuck, cleared, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Kelly Dam Date: 13-Apr-11 Time: 8:59
Service Type: Service Call Technician: DP Status: PT Down

Configuration Changes

Part # Location
PT D 2881227 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
410	9:37	12		0
410	9:37	13		0

Battery Tests

Battery # V Quiescent V Load

Problem: Construction removed riser from structure.

Action Taken: Removed PT, will test at shop as conduit kinked, hard pull, possible stretch damage to cable. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	16-Feb-11
Service Type:	Start Up	Technician:	PB
			Time: 11:58
			Status: OK

Configuration Changes	
Part #	Location
TX J 8693	410
TB J 24476	410
BY R 0403	410

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0410-3-0
Jumpers:	
Eprom:	R1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
410	12:36	1		0
410	12:37	2		0
413	12:23	966	4.93 psi	965
413	12:24	370	1.95 psi	364

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0403	13.19	

Problem:

Action Taken: Startup. 2 pt. test on PT good, TB ok, tx ok. site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	27-Oct-11
Time:	14:16	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 8693	9000
TB J 24476	9000
BY R 1126	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: Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Kelly Dam** Date: **25-Jul-11** Time: **12:52**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1126	410
BY R 0403	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
410	13:05	1		0
410	13:05	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1126	13.35	

Problem: Low battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	21-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	11:11
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
420	11:19	217		0	
420	11:20	218		0	
423	11:15	1017	5.10 psi	1010	
423	11:16	409	2.04 psi	403	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests Oulic contact. TB OK.K, good hydra

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	16-Feb-11
		Time:	13:37
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11036	420
TB J 18549	420
BY R 0317	420

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:	4.0
Rev Power:	0.0
SWR:	1

Test Transmission				
Port	Time	Count	Measure	Predicted
420	14:00	1		0
420	14:01	2		0
423	13:49	1010	5.03 psi	998
423	13:50	435	2.16 psi	426
500	13:17	1		0
500	13:17	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: approx. 2-4" water in SP. 2 pt. PT cal good. . Txr good. TB good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	02-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	11:47
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0947	420

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
420	12:06	1		0	
420	12:06	2		0	
423	11:59	1007	5.06 psi	1004	
423	12:00	441	2.23 psi	440	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0947	12.96	

Problem: Low battery.

Action Taken: Changed battery. PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	28-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 11:44
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 11036	9000
TB J 18549	9000
BY R 0947	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	
423	11:48	893	4.37 psi	866	
423	11:49	471	2.27 psi	449	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB. Looped cable to prevent connectors from entering water seepage in bootom of SP.

Site Notes:

Follow-Up: Drain water.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	02-Sep-11
Time:	11:01	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
430	11:29	505			0
430	11:30	507			0
433	11:27	1170	6.01 psi		1180
433	11:28	418	2.14 psi		417

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PTtested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Utah Park** Date: **21-Jun-11** Time: **11:31**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
430	11:37	256		0
430	11:38	257		0
433	11:34	990	5.07 psi	995
433	11:35	409	2.07 psi	404

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:	Utah Park	Date:	09-Mar-11
Service Type:	Start Up	Technician:	DP
		Time:	12:09
		Status:	OK

Configuration Changes	
Part #	Location
TX J 27310	430
TB J 29967	430
BY R 0501	430

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0430-00E
Jumpers:	C:J3,5 off
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
430	12:33	1		0
430	12:34	2		0
433	12:29	985	4.96 psi	974
433	12:30	428	2.15 psi	420

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

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	28-Oct-11
Service Type:	End of Season	Technician:	PB
		Time:	12:43
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 27310	9000
TB J 29967	9000
BY R 0501	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
433	12:45	1032	5.20 psi	1021	
433	12:46	445	2.22 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB. Solar OK.

Site Notes:

Follow-Up: Replace nipple on riser pipe. Recommend different length to allow easier access.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS#7	Date:	28-Oct-11
Time:	13:10	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TB J 10739	9000
BY R 1009	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: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora FS#7** Date: **15-Feb-11** Time: **9:28**
Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TB J 10739	440
BY R 1009	440

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **0440-00E**
Jumpers: **5 Off**
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
440	9:49	1		0
440	9:49	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1009	13.03	

Problem:

Action Taken: Startup. TB ok, txr ok. site ok

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS#7	Date:	18-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	13:54
		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
440	13:55	238		0
440	13:55	239		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: **Havana Park** Date: **16-Feb-11** Time: **12:51**
Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 15784	500
BY R 0816	500

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: **0500-00E**
Jumpers: **3,5 Off**
Eprom: **3 Min Sample**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
503	13:07	1082	5.07 psi	1069
503	13:08	467	2.13 psi	462

Battery Tests

Battery #	V Quiescent	V Load
BY R 0816	13.03	

Problem:

Action Taken: Startup. 2 pt PT cat good. TB ok, TXr ok. site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	27-Oct-11
Service Type:	End of Season	Time:	14:23
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15784	9000
BY R 0816	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	
503	14:29	1060	4.95 psi	1042	
503	14:32	462	2.05 psi	446	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	29-Aug-11
Time:	11:39	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
500	11:48	426			0
500	11:48	427			0
503	11:44	1019	4.87 psi		1027
503	11:47	437	2.06 psi		447

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	15-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	11:12
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
500	11:23	142			0
500	11:23	143			0
503	11:18	1113	5.20 psi		1095
503	11:21	504	2.26 psi		489

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: **Virginia Court** Date: **25-Jul-11** Time: **12:23**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1139	510
R 0838	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
510	12:34	1		0
510	12:34	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1139	12.91	

Problem: Low battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Virginia Court	Date:	14-Feb-11
		Time:	14:56
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
R 0838	510
18560	510

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0510-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	2.7
Rev Power:	0.1
SWR:	1.48

Test Transmission				
Port	Time	Count	Measure	Predicted
305	15:18	1924		0
510	15:14	3		0
510	15:14	4		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, TB, and Desiccant. Had to change TB for a 1 pulse count. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Virginia Court** Date: **28-Oct-11** Time: **11:22**
Service Type: **End of Season** Technician: **PB** Status: **Site Down**

Configuration Changes

Part #	Location
BY R 1139	9000
18560	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Jewell Detention	Date: 28-Oct-11	Time: 12:21	
Service Type: End of Season	Technician: PB	Status: Site Down	

Configuration Changes	
Part #	Location
R 1004	9000
10735	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: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Jewell Detention** Date: **14-Feb-11** Time: **14:19**
Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
R 1004	520
10735	520

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: **0520-00E**
Jumpers: **5 off**
Eprom: **R 1.8 9CA1**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **2.9**
Rev Power: **0.1**
SWR: **1.46**

Test Transmission

Port	Time	Count	Measure	Predicted
520	14:37	1		0
520	14:38	2		0

Battery Tests

Battery #	V Quiescent	V Load
R 1004	12.99	

Problem:

Action Taken: startup. TB ok. txr ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Jewell Detention	Date:	26-Jul-11
Time:	13:24		
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
520	13:26	259		0
520	13:26	260		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: Denver FS #19	Date: 04-Nov-11	Time: 11:17
Service Type: End of Season	Technician: PB	Status: Site Down

Configuration Changes

Part #	Location
R 0413	9000
13776	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: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver FS #19	Date:	14-Feb-11
		Time:	12:59
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
R 0413	530
13776	530

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0530-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.0
Rev Power:	0.1
SWR:	1.45

Test Transmission				
Port	Time	Count	Measure	Predicted
530	13:16	1		0
530	13:16	2		0

Battery Tests		
Battery #	V Quiescent	V Load
R 0413	13.05	

Problem:

Action Taken: Startup. TB ok, Txr ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Denver FS #19** Date: **26-Jul-11** Time: **13:09**
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: **0530-3-D**
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
530	13:10	299		0
530	13:10	300		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: **Parker and Miss.** Date: **14-Feb-11** Time: **13:41**
Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
R 0618	540
08453	540

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: **0540-00E**
Jumpers: **5 Off**
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **3.0**
Rev Power: **0.1**
SWR: **1.45**

Test Transmission

Port	Time	Count	Measure	Predicted
540	14:03	1		0
540	14:04	2		0

Battery Tests

Battery #	V Quiescent	V Load
R 0618	12.98	

Problem:

Action Taken: startup. TB ok. txr ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Parker and Miss.	Date:	04-Nov-11
Service Type:	End of Season	Technician:	PB
			Time: 11:40
			Status: Site Down

Configuration Changes	
Part #	Location
R 0618	9000
08453	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: Removed txr, battery, TB.

Site Notes:

Follow-Up: 2 captive nuts loose on top section. replace.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Parker and Miss.** Date: **26-Jul-11** Time: **12:58**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
540	12:59	269		0
540	12:59	270		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:	Harvard Gulch Pk	Date:	04-Nov-11
Service Type:	End of Season	Technician:	PB
			Time: 12:17
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 8691	9000
TB J 19629	9000
BY R 1038	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	
603	12:21	1256	6.72 psi	1254	
603	12:22	435	2.33 psi	430	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard Gulch Pk	Date:	16-Jun-11
Time:	10:11		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
600	10:14	140		0	
600	10:14	141		0	
603	10:12	960	5.22 psi	972	
603	10:13	414	2.27 psi	419	

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: **22-Feb-11** Time: **9:58**
 Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8691	600
TB J 19629	600
BY R 1038	600

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
603	0.012	0.0819	0.0157

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0600-00E**
 Jumpers: **C:J6,1-2,J3,5off;L:J9,10,1-**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
600	10:48	1		0
600	10:49	2		0
603	10:30	1847	9.87 psi	1809
603	10:31	1455	7.79 psi	1426
603	10:32	1107	5.94 psi	1084
603	10:33	735	3.95 psi	718
603	10:34	385	2.08 psi	372
603	10:37	796	4.29 psi	798

Battery Tests

Battery #	V Quiescent	V Load
BY R 1038	12.99	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 603 by linear regression. Modified calibration data. New calibration [Slope(0.0123), Calibration Offset(0.0819), Std Error(0.0157), Calibration Date(2/22/2011 10:36:22 AM)]}.

TX R ok, TB ok, site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard Gulch Pk	Date:	24-Aug-11
Time:	13:27	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
600	13:37	271			0
600	13:37	272			0
603	13:34	924	5.05 psi		940
603	13:35	359	2.04 psi		376

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Harvard/Jackson** Date: **25-Jul-11** Time: **11:19**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0437	610
BY R 0625	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
610	11:28	1		0
610	11:29	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0437	13.13	

Problem: Low Battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	10:40
		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	
610	10:47	145		0	
610	10:48	146		0	
613	10:46	1162	5.10 psi	1166	
613	10:47	482	2.14 psi	483	

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/Jackson	Date:	24-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	13:55
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
613	0.010	0.3942	0.0943

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:32	10			0
610	14:33	11			0
613	14:16	1106	5.01	psi	1144
613	14:17	416	1.99	psi	448
613	14:21	1954	8.76	psi	2011
613	14:22	1586	7.15	psi	1639
613	14:23	1078	4.91	psi	1122
613	14:24	655	3.05	psi	693
613	14:25	184	0.98	psi	216
613	14:28	1208	5.48	psi	1213
613	14:29	461	2.20	psi	463

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable range. PT hydraulic contact poor. Recalibrated, dug up, cleaned cap, flushed contact. TB OK.

{Auto Entry: Calibrated sensor 613 by linear regression. Modified calibration data. New calibration [Slope(0.0101), Calibration Offset(0.3942), Std Error(0.0943), Calibration Date(8/24/2011 2:27:37 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	04-Nov-11
Service Type:	End of Season	Technician:	PB
			Time: 12:53
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 148	9000
TB J 02532	9000
BY R 0437	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	
613	13:03	1254	5.42 psi	1199	
613	13:04	536	2.32 psi	491	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Recalibrate at 2012 startup. Adjust zero on sig. cond.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Harvard/Jackson** Date: **22-Feb-11** Time: **10:56**
 Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 148	610
TB J 02532	610
BY R 0625	610

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0610-00E**
 Jumpers: **3,5 off**
 Eprom: **R1.8 583E**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
613	11:33	1085	4.70 psi	1074
613	11:34	454	1.98 psi	445

Battery Tests

Battery #	V Quiescent	V Load
BY R 0625	12.99	

Problem:

Action Taken: Stsrtp. PT within acceptable cal. TB ok, Txr ok. site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy/Highline	Date:	09-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 11:31
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 15788	9000
TB J 16739	9000
BY R 0803	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: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy/Highline	Date:	15-Feb-11
Service Type:	Start Up	Technician:	PB
			Time: 12:13
			Status: OK

Configuration Changes	
Part #	Location
TX J 15788	620
TB J 16739	620
BY R 0803	620

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0620-00E
Jumpers:	5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.8
Rev Power:	0.1
SWR:	1.39

Test Transmission				
Port	Time	Count	Measure	Predicted
620	12:40	1		0
620	12:41	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0803	12.92	

Problem:

Action Taken: startup. TB ok, TX ok, BY ok. site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy/Highline	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	12:37
		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
620	12:38	257		0
620	12:38	258		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:	Temple Pond	Date:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		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	
630	13:08	222			0
630	13:08	223			0
633	13:03	1054	5.09 psi		1065
633	13:06	494	2.34 psi		504

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:	Temple Pond	Date:	24-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	9:51
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0322	630
BY R 0202	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
633	0.011	-0.0755	0.0165

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:20	1		0
630	10:20	2		0
633	10:10	1834	9.02 psi	1867
633	10:11	1437	7.05 psi	1466
633	10:11	1066	5.23 psi	1094
633	10:11	654	3.20 psi	679
633	10:12	259	1.24 psi	280
633	10:13	1073	5.27 psi	1073
633	10:13	459	2.23 psi	458

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0322	12.94	

Problem: Low battery.

Action Taken: Changed battery, dessicant. PT tested outside acceptable range. Recalibrated. Good hydraulic contact. PT OK. TB OK.

{Auto Entry: Calibrated sensor 633 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0755), Std Error(0.0165), Calibration Date(8/24/2011 10:12:45 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Temple Pond Date: 22-Feb-11 Time: 13:40
 Service Type: Start Up Technician: PB Status: OK

Configuration Changes

Part #	Location
TX J 8697	630
TB J 18553	630
BY R 0202	630

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
633	0.011	-0.2983	0.0696

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	14:12	1		0
630	14:13	2		0
633	14:00	1976	9.58 psi	2214
633	14:00	1460	7.05 psi	1630
633	14:01	1064	5.11 psi	1183
633	14:01	657	3.10 psi	719
633	14:02	264	1.17 psi	274

Battery Tests

Battery #	V Quiescent	V Load
BY R 0202	12.77	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 633 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.2983), Std Error(0.0696), Calibration Date(2/22/2011 2:02:33 PM)]}.

TB ok, tx ok, site ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Temple Pond	Date:	09-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 10:34
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 8697	9000
BY R 0322	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	
633	10:41	1146	5.54 psi	1127	
633	10:44	432	2.04 psi	420	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	08-Apr-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	9:41
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
643	0.011	0.8103	0.3153

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:40	13		0
640	10:41	14		0
643	10:27	1	0.36 psi	46
643	10:28	1501	7.62 psi	1543
643	10:29	968	5.04 psi	1012
643	10:30	561	3.07 psi	605
643	10:31	149	1.07 psi	194
643	10:32	964	5.03 psi	963
643	10:33	359	2.09 psi	359

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT missed event, no reports.

Action Taken: PT zero pressure point has drifted below adjustment range. Minimum pressure to report = 0.355 PSI, recalibrated with high offset until replacement can be made. TB OK.
 Auto Entry: Calibrated sensor 643 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.8103), Std Error(0.3153), Calibration Date(4/8/2011 10:32:10 AM)].

Site Notes: Minimum PT length 80 ft.

Follow-Up: Replace PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Goldsmith/E'man Date: 18-Jul-11 Time: 12:06
Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
TX J 25153	640
BY R 0813	640
TX J 4397	9000
BY R 0437	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 0640-00E
 Jumpers: C:J6,1-2,J3,5off; L:J9,10 1
 Eprom: R1.8 57FE
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.6
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
640	12:44	1		0
640	12:44	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0813	13.07	

Problem:

Action Taken: Radio (Ritron) bad? txr bad. Replaced txr, (unit removed from 1900) with a OneRain spare radio (Maxon). RF OK. TB OK. Replaced battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	09-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 11:00
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25153	9000
TB J 23289	9000
BY R 0813	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
643	11:07	1015	4.98 psi	1013	
643	11:10	396	1.96 psi	397	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Raised PT. PT OK. Removed TXR, battery and TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	02-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	14:31
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
643	0.011	0.0263	0.0096

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
640	15:17	48			0
640	15:18	49			0
643	14:34	1105	5.44 psi		1121
643	14:37	1012	4.98 psi		1027
643	15:00	1852	9.11 psi		1870
643	15:00	1435	7.06 psi		1452
643	15:00	1027	5.06 psi		1043
643	15:01	627	3.09 psi		642
643	15:01	209	1.04 psi		223
643	15:01	8	0.05 psi		21
643	15:06	1072	5.27 psi		1073
643	15:12	197	0.97 psi		196

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT would not yeild reading at lower PSI. Tested sensor, OK. Reconnected sig. cond., adjusted zero. Txr yeilded reading at low range through whip antenna w/test button push. Recalibrated w/test button. Turns out its just a 4 minute? read time. TB OK.

{Auto Entry: Calibrated sensor 643 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0263), Std Error(0.0096), Calibration Date(9/2/2011 3:01:59 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	12:27
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
643	0.011	-0.1278	0.0293

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:41	190		0
640	12:41	191		0
643	12:29	1019	4.92 psi	985
643	12:30	460	2.19 psi	424
643	12:31	1857	9.00 psi	1828
643	12:32	1452	7.02 psi	1420
643	12:33	1041	5.02 psi	1007
643	12:34	639	3.06 psi	604
643	12:35	232	1.08 psi	195
643	12:37	1047	5.05 psi	1043
643	12:38	438	2.08 psi	437

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. TB OK.

{Auto Entry: Calibrated sensor 643 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.1278), Std Error(0.0293), Calibration Date(6/16/2011 12:36:12 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	10-May-11
Service Type:	OneRain Service Ca	Technician:	DP/SB
		Time:	10:06
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3336491	640
PT D 1804746	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
643	0.011	0.0082	0.0029

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:48	48		0
643	10:38	1970	9.57 psi	1898
643	10:39	1442	7.01 psi	1371
643	10:41	1022	4.97 psi	951
643	10:41	630	3.06 psi	558
643	10:42	206	1.00 psi	134
643	10:43	1129	5.48 psi	1129
643	10:43	490	2.38 psi	490
643	10:48	1		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced PT with 100 foot unit. Tested and calibrated unit. Good hydraulic contact. PT OK. RF OK. TB OK.

{Auto Entry: Calibrated sensor 643 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.0082), Std Error(0.0029), Calibration Date(5/10/2011 10:42:26 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Goldsmith/E'man** Date: **16-Feb-11** Time: **14:31**
 Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 4397	640
TB J 23289	640
BY R 0437	640

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
643	0.011	0.3005	0.0807

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0640-00E**
 Jumpers: **C:J6,1-2,J3,5off; L:J9,10 1**
 Eprom: **R1.8 57FE**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
643	14:53	2012	9.91 psi	2008
643	14:54	1571	7.78 psi	1577
643	14:55	994	4.94 psi	1003
643	14:56	607	3.08 psi	626
643	14:58	167	0.95 psi	196
643	14:59	1044	5.22 psi	1048
643	15:00	364	1.91 psi	366

Battery Tests

Battery #	V Quiescent	V Load
BY R 0437	13.16	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 643 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.3005), Std Error(0.0807), Calibration Date(2/16/2011 2:58:42 PM)]}.

PT conduit cap cracked. Replaced. site good.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Iliff Pond	Date:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	11:03
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
653	0.011	0.2073	0.0496
653	0.011	-0.2084	0.0753

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:05	132			0
650	12:05	133			0
653	11:15	1085	5.15 psi		1128
653	11:18	1958	9.23 psi		2015
653	11:19	1491	7.06 psi		1543
653	11:20	1074	5.11 psi		1118
653	11:21	646	3.11 psi		683
653	11:22	203	1.04 psi		231
653	11:26	2005	9.10 psi		1924
653	11:27	1577	7.03 psi		1482
653	11:28	1146	5.07 psi		1064
653	11:29	723	3.06 psi		635
653	11:30	290	1.06 psi		208
653	11:31	56	-0.02 psi		-23

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT 654 tested OK, good hydraulic contact. PT 643 tested outside acceptable range. Adjusted sig. cond., recalibrated. TB OK.

{Auto Entry: Calibrated sensor 653 by linear regression. Modified calibration data. New calibration [Slope(0.0109), Calibration Offset(-0.2084), Std Error(0.0753), Calibration Date(6/16/2011 11:52:57 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Iliff Pond	Date:	02-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	13:55
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
653	0.011	0.8041	0.1932
654	0.011	0.1692	0.0388

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:20	12			0
650	14:21	14			0
653	14:00	1874	9.15 psi		1956
653	14:01	1424	7.04 psi		1509
653	14:02	1036	5.22 psi		1124
653	14:03	578	3.06 psi		667
653	14:04	170	1.15 psi		262
654	14:12	1917	8.95 psi		1978
654	14:13	1479	6.93 psi		1533
654	14:14	1074	5.05 psi		1120
654	14:15	647	3.07 psi		686
654	14:16	225	1.12 psi		256

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: 653 tested outside acceptable range. Recalibrated. Good hydraulic contact.

654 tested outside acceptable range. Good hydraulic contact.

TB OK.

{Auto Entry: Calibrated sensor 653 by linear regression. Modified calibration data. New calibration [Slope(0.0108), Calibration Offset(0.8041), Std Error(0.1932), Calibration Date(9/2/2011 2:06:01 PM)]}.

{Auto Entry: Calibrated sensor 654 by linear regression. Modified calibration data. New calibration [Slope(0.0107), Calibration Offset(0.1692), Std Error(0.0388), Calibration Date(9/2/2011 2:18:02 PM)]}.

Site Notes:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Follow-Up:

Service Log			
Site Name: Iliff Pond	Date: 25-Jul-11	Time: 11:43	
Service Type: OneRain Service Ca	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location
BY R 0815	650
BY R 9732	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
650	12:02	3		0
650	12:02	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0815	13.12	

Problem: Low Battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Iliff Pond** Date: **22-Feb-11** Time: **11:49**
 Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 18531	650
TB J 19612	650
BY R 9732	650

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
653	0.011	-0.0636	0.0111
654	0.011	-0.1184	0.0282

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0659-00E**
 Jumpers: **3,4,5 Off**
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
610	11:44	1		0
610	11:44	2		0
650	13:07	1		0
650	13:09	2		0
653	12:34	1968	9.05 psi	2009
653	12:35	1726	7.94 psi	1759
653	12:36	1265	5.80 psi	1281
653	12:37	890	4.07 psi	894
653	12:38	414	1.89 psi	404
654	12:50	2036	9.22 psi	2104
654	12:51	1523	6.89 psi	1577
654	12:52	1131	5.10 psi	1173
654	12:53	686	3.08 psi	716
654	12:54	232	1.00 psi	246

Battery Tests

Battery #	V Quiescent	V Load
BY R 9732	13.10	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 653 by linear regression. Modified calibration data. New calibration [Slope(0.0106), Calibration Offset(-0.0636), Std Error(0.0111), Calibration Date(2/22/2011 12:39:19 PM)]}.

{Auto Entry: Calibrated sensor 654 by linear regression. Modified calibration data. New calibration [Slope(0.0105), Calibration Offset(-0.1184), Std Error(0.0282), Calibration Date(2/22/2011 12:54:59 PM)]}.

Startup, Cal'd both PTs. TB ok, Txr ok, site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Iliff Pond	Date:	04-Nov-11
Service Type:	End of Season	Time:	13:32
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 18531	9000
BY R 0815	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	
653	13:37	1107	5.43 psi	1084	
653	13:38	348	1.98 psi	348	
654	13:45	1380	6.38 psi	1360	
654	13:46	529	2.38 psi	498	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Stream PT tested within acceptable range. Adjust zero, however, on startup. Raised PT. Pond PT tested outside acceptable range. Recalibrate on startup. Also adjust zero. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Adjust zero on 653, 654. Recalibrate. Standpipe has multiple loose nuts.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	16-May-11
		Time:	14:21
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Erratic stage levels.

Action Taken: Reset offset to original level, to match staff gauge. Dropped avg. time from 10 to 1. Current reading 3.81, staff gauge reads 3.80. Will monitor performance.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	13-Jan-11
		Time:	12:35
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0700-00E
Jumpers:	JB 3-5 off
Eprom:	R 1.8 57EE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	29-Aug-11
		Time:	12:13
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
700	12:24	51		0
700	12:24	52		0
700	12:25	53		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Staff gauge reading: 3.72 ft. @ 12:25, Did not pull PT. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	21-Jun-11
		Time:	10:27
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
700	10:33	340		0
700	10:34	341		0
703	10:31	452		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Erratic stage levels.

Action Taken: TB OK. On arrival ID 703 read 4.29, purged OK, read 4.52 staff gauge reads 4.52.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 08-Jul-11 Time: 11:28
Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
700	11:43	1		0
700	11:43	2		0

Battery Tests

Battery # V Quiescent V Load

Problem: Stage not reporting.

Action Taken: Responded to manual tx.Reset power. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	28-Oct-11
		Time:	9:52
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0700-00E
Jumpers:	JB 3-5 off
Eprom:	R 1.8 57EE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 9:52 AM, Bubbler reading 3.25 ft. Staff gauge reading 3.79 ft. Confirm offset. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 09-Mar-11 Time: 11:29
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

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: TB OK. Staff gauge not readable, above waterline.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Tollgate at 6th Date: 13-May-11 Time: 9:53
Service Type: Service Call Technician: DP/SB Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem: Stage (bubbler) missed event.

Action Taken: Stage read 3.50, staff gauge read 4.70, adjusted offset to compensate. Will monitor performance.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	28-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 13:33
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25186	9000
TB J 20912	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	
713	13:42	1159	5.26 psi	1058	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Recalibrate at 2012 startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	02-Sep-11
Time:	10:30		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
713	10:34	1112	5.51 psi	1108	
713	10:35	480	2.38 psi	480	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	15-Jun-11
Time:	13:26	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
710	13:29	130		0	
710	13:30	132		0	
713	13:28	1036	5.07 psi	1020	
713	13:29	435	2.11 psi	426	

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: **Horseshoe Park** Date: **14-Mar-11** Time: **14:00**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 25186	710
TB J 20912	710
BY R 0226	710

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: **00E**
Jumpers: **JB3&5**
Eprom: **R1.8 9CA1**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.8**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
710	14:56	5		0
713	14:48	1048	5.14 psi	1034
713	14:49	434	2.10 psi	425

Battery Tests

Battery #	V Quiescent	V Load
BY R 0226	12.98	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Horseshoe Park** Date: **21-Jun-11** Time: **12:06**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0602	710
BY R 0226	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
710	12:16	1		0
710	12:16	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0602	12.95	

Problem: Battery declining.

Action Taken: Replaced battery in txr. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	14-Mar-11
Time:	13:16	Service Type:	Start Up
Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location
TX J 11034	720
TB J 13269	720
BY R 9620	720

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0720-00E
Jumpers:	C: JB6(12), J3,4 off;L:JB8,
Eprom:	R 1.1.1 5C58
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
720	13:46	1		0	
720	13:46	2		0	
723	13:32	1015	5.06 psi	1002	
723	13:33	406	2.03 psi	415	
724	13:37	1153	5.08 psi	1136	
724	13:38	473	2.09 psi	479	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9620	13.02	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	31-Oct-11
Service Type:	End of Season	Technician:	PB
		Time:	10:50
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 11034	9000
TB J 13269	9000
BY R 0606	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
723	11:02	1218	6.10	psi	1173
723	11:03	420	2.13	psi	381
724	10:56	1108	5.13	psi	1057
724	10:57	529	2.32	psi	485

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Pond PT tested outside acceptable range. Recalibrate at startup. Raised PT. Stream PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Recalibrate both PTs at 2012 startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Confluence Pond** Date: **29-Aug-11** Time: **13:31**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
723	0.012	0.4772	0.1212

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
720	13:53	124		0
720	13:54	125		0
723	13:41	1009	5.11 psi	1011
723	13:43	352	1.89 psi	388
723	13:44	1784	9.16 psi	1797
723	13:45	1358	7.05 psi	1388
723	13:46	1012	5.34 psi	1057
723	13:47	591	3.26 psi	652
723	13:48	197	1.13 psi	241
723	13:50	1083	5.60 psi	1073
723	13:51	410	2.30 psi	417
724	13:35	1047	5.11 psi	1054
724	13:36	464	2.28 psi	475

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT 724 tested within acceptable range. Good hydraulic contact. PT 723 tested outside acceptable range. Recalibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 723 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(0.4772), Std Error(0.1212), Calibration Date(8/29/2011 1:50:10 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	15-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	14:07
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
724	0.011	-0.1198	0.1365

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:46	2		0
723	14:41	972	4.89 psi	969
723	14:41	407	2.05 psi	418
724	14:14	2034	8.94 psi	1984
724	14:22	2034	9.79 psi	2170
724	14:22	1489	7.42 psi	1650
724	14:23	1074	5.14 psi	1150
724	14:23	653	3.11 psi	703
724	14:24	242	1.12 psi	266
724	14:24	6	-0.02 psi	16
724	14:26	1057	5.06 psi	1044
724	14:26	454	2.15 psi	450

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT 724 tested out of acceptable range. Recalibrated. Good hydraulic contact. PT 723 tests OK. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 724 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.1198), Std Error(0.1365), Calibration Date(6/15/2011 2:25:06 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	15-Jun-11
Service Type:	OneRain Service Ca	Technician:	PB
		Time:	14:01
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0606	720
BY R 9620	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 0606	13.12	

Problem: Low battery voltage

Action Taken: Replaced battery, dessicant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **No Name @ Quincy** Date: **31-Oct-11** Time: **12:48**
 Service Type: **End of Season** Technician: **PB** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 15783	9000
TB J 8382	9000
BY R 0617	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
733	12:52	1345	5.76 psi	1324
733	12:53	559	2.37 psi	542

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	29-Aug-11
Service Type:	Inspection	Technician:	PB
			Time: 14:12
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
730	14:19	165			0
730	14:20	166			0
733	14:16	1260	5.56 psi		1279
733	14:17	532	2.38 psi		546

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	28-Jun-11
Service Type:	Inspection	Technician:	PB
			Time: 13:06
			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	
730	13:12	116			0
730	13:12	117			0
733	13:09	1161	5.13 psi		1179
733	13:10	513	2.23 psi		511

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **No Name @ Quincy** Date: **14-Mar-11** Time: **12:14**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 15783	730
TB J 8382	730
BY R 0617	730

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0730-00E**
 Jumpers: **3,5 Off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
730	12:45	1		0
730	12:46	2		0
733	12:33	1187	5.08 psi	1167
733	12:35	495	2.08 psi	475

Battery Tests

Battery #	V Quiescent	V Load
BY R 0617	13.03	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Smoky Hill** Date: **11-Mar-11** Time: **10:29**
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

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Corrected all pass lists for A2 status ID's. RF OK.

Site Notes: New contact info: Keith Gentry

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Quincy Reservoir** Date: **18-Mar-11** Time: **11:02**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0307	750

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0750-0012-1312-1111**
 Jumpers: **2km wind run**
 Eprom: **B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.8**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
750	11:22	83		0
750	11:22	84		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant. Wind OK. RF OK. Solar OK. RH/AT OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy Reservoir	Date:	31-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	12:14
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0307	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2397		138	4	

Settings and Performance	
Switches:	0750-0012-1312-1111
Jumpers:	2km wind run
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
750	12:19	343		0
750	12:19	344		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. Wind OK. @ 12:23 ID 751 raw = 57 => 13.94% RH, ID 752 raw = 239 => 65.18 deg.F, psychrometer readings Td = 68 deg.F, Tw = 45 deg.F implying RH = 15% and dp = 19 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy Reservoir	Date:	29-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	14:31
		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
750	14:39	293		0
750	14:39	294		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 14:28 ID 751 raw = 132 => 32.27% RH, ID 752 90.27 raw = 276 => 81.47 deg.F, psychrometer readings Td = 89 deg.F, Tw = 67 deg.F implying RH = 35% and dp = 58 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy Reservoir	Date:	28-Jun-11
Time:	13:42	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
750	13:55	236		0
750	13:57	237		0
750	13:58	238		0
750	13:58	239		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB cleaned. Wind OK. @ 9:22 ID 751 raw = 42 => 10.27% RH, ID 752 90.27 raw = 90.27 => 75.10 deg.F, psychrometer readings Td = 98 deg.F, Tw = 63 deg.F implying RH = 14% and dp = 37 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Mission Viejo Pk	Date:	18-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	13:27
		Status:	OK

Configuration Changes	
Part #	Location
TB J 17973	760
BY R 0636	760
BY R 9626	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0760-00E
Jumpers:	5 off
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
760	13:38	1		0
760	13:40	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0636	13.12	

Problem: Battery low.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Mission Viejo Pk	Date:	15-Feb-11
Time:	10:45		
Service Type:	Start Up	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
TX J 18534	760
TB J 17973	760
BY R 9626	760

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0760-00E
Jumpers:	5 off
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
760	11:06	1		0
760	11:07	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9626	12.83	

Problem:

Action Taken: startup. tb. txr ok. site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Mission Viejo Pk	Date:	31-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 11:26
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18534	9000
BY R 9626	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	15-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	11:47
		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	11:53	148			0
800	11:54	149			0
803	11:50	1302	5.35 psi		1294
803	11:51	515	2.25 psi		534

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: **Sable Ditch** Date: **30-Aug-11** Time: **10:13**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
803	0.005	9.1043	0.9841

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
803	10:16	1254	5.26 psi	1272
803	10:37	2041	8.82 psi	2146
803	10:38	2047	7.81 psi	1898
803	11:33	1904	9.03 psi	2197
803	11:34	1177	6.94 psi	1684
803	11:35	543	5.09 psi	1232
803	11:42	1269	7.67 psi	1865
803	12:32	1575	7.59 psi	1844
803	12:33	1201	6.73 psi	1633
803	12:34	571	5.28 psi	1277
803	12:35	309	4.67 psi	1127
803	12:38	156	4.30 psi	1036

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT bad. Reads -40 mV on 0 PSI. 0mV reading at ~3.5 PSI. Temporarily calibrated.

{Auto Entry: Calibrated sensor 803 by linear regression. Modified calibration data. New calibration [Slope(0.0053), Calibration Offset(9.1043), Std Error(0.9841), Calibration Date(8/30/2011 12:38:37 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sable Ditch** Date: **01-Mar-11** Time: **11:55**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 15785	800
TB J 21334	800
BY R 0814	800

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
803	0.009	0.1726	0.0726

Tx Maintenance

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

Switches: **0800-3-0**
 Jumpers: **3,5 Off**
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
800	12:36	1		0
800	12:36	2		0
803	12:12	1894	7.82 psi	1801
803	12:12	1398	5.65 psi	1302
803	12:13	986	4.08 psi	940
803	12:14	530	2.26 psi	520
803	12:15	236	1.03 psi	235
803	12:22	2000	8.65 psi	2104
803	12:27	1615	6.67 psi	1618
803	12:28	1045	4.35 psi	1049
803	12:29	485	2.02 psi	478

Battery Tests

Battery #	V Quiescent	V Load
BY R 0814	13.04	

Problem:

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

{Auto Entry: Calibrated sensor 803 by linear regression. Modified calibration data. New calibration [Slope(0.0094), Calibration Offset(0.1726), Std Error(0.0726), Calibration Date(3/1/2011 12:16:02 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	27-Oct-11
Time:	12:46	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15785	9000
TB J 21334	9000
BY R 0814	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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: Suspect bad PT. Replace at spring startup. Removed txr, battery, TB. Raised PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Grandby Ditch** Date: **02-Mar-11** Time: **11:11**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 15787	810
TB J 19637	810
BY R 0436	810

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
813	0.011	-0.0032	0.0031

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0810-00E**
Jumpers: **C:J6,1-2,J3,5 off; L:J9,10**
Eprom: **R1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
810	11:45	1		0
810	11:45	2		0
813	11:33	1906	9.09 psi	1854
813	11:33	1473	7.02 psi	1433
813	11:34	1066	5.09 psi	1038
813	11:34	646	3.08 psi	629
813	11:34	228	1.08 psi	221
813	11:35	1066	5.08 psi	1066
813	11:36	433	2.06 psi	432
815	10:48	1575		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0436	12.97	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. Replaced desiccant in sig con box. PT tested high, adjusted zero point and recalibrated, OK, good hydraulic contact. RF OK. TB OK.
{Auto Entry: Calibrated sensor 813 by linear regression. Modified calibration data. New calibration [Slope(0.0110), Calibration Offset(-0.0032), Std Error(0.0031), Calibration Date(3/2/2011 11:35:18 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Grandby Ditch** Date: **29-Aug-11** Time: **12:33**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
813	0.011	0.1634	0.0369

Tx Maintenance

Part # Ref V Freq Err Deviation 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	12:46	302		0
810	12:47	303		0
813	12:38	1887	9.26 psi	1942
813	12:39	1435	7.06 psi	1480
813	12:40	1057	5.22 psi	1095
813	12:41	643	3.20 psi	672
813	12:42	233	1.20 psi	253
813	12:44	1068	5.27 psi	1070
813	12:45	429	2.16 psi	430

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 813 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.1634), Std Error(0.0369), Calibration Date(8/29/2011 12:43:36 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	15-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	12:09
		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	
810	12:16	154		0	
810	12:16	155		0	
813	12:14	1029	5.00 psi	1048	
813	12:15	447	2.15 psi	451	

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: **Grandby Ditch**Date: **28-Oct-11**Time: **10:06**Service Type: **End of Season**Technician: **PB**Status: **Site Down****Configuration Changes**

Part #	Location
TX J 15787	9000
TB J 19637	9000
BY R 0436	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
813	10:11	945	4.42 psi	896
813	10:12	419	1.91 psi	380

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** PT tested outside acceptable range. Raised PT. Recalibrate at startup. Removed txr, battery, TB.**Site Notes:****Follow-Up:** Recalibrate on 2012 startup

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	ETG @ Buckley	Date:	01-Mar-11
Service Type:	Start Up	Technician:	DP
		Time:	13:19
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15780	820
TB J 10749	820
BY R 0633	820

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
820	13:46	1		0	
820	13:47	2		0	
823	13:39	1126	5.34 psi	1110	
823	13:40	424	2.01 psi	417	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0633	13.03	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	ETG @ Buckley	Date:	15-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	12:29
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
823	0.012	-0.1619	0.0387

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:46	132			0
820	12:48	133			0
823	12:36	1809	9.55 psi		1985
823	12:37	1349	7.10 psi		1475
823	12:38	969	5.08 psi		1056
823	12:39	591	3.07 psi		639
823	12:40	224	1.12 psi		234
823	12:42	977	5.07 psi		965
823	12:43	432	2.23 psi		430

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated, tests OK. Good hydraulic contact. TB only tipping one way, adjusted TB arm.

{Auto Entry: Calibrated sensor 823 by linear regression. Modified calibration data. New calibration [Slope(0.0123), Calibration Offset(-0.1619), Std Error(0.0387), Calibration Date(6/15/2011 12:40:57 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	ETG @ Buckley	Date:	28-Oct-11
Service Type:	End of Season	Time:	10:44
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15780	9000
TB J 10749	9000
BY R 0633	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	
823	10:50	1053	4.84 psi	1008	
823	10:51	457	2.03 psi	425	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Recalibrate at startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	ETG @ Buckley	Date:	29-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	12:58
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
823	0.011	-0.0263	0.0108

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
820	13:13	119			0
820	13:13	120			0
823	13:05	1897	9.15 psi		1729
823	13:06	1444	6.97 psi		1320
823	13:07	1086	5.24 psi		996
823	13:08	646	3.11 psi		597
823	13:09	228	1.09 psi		217
823	13:10	14	0.05 psi		23

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 823 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0263), Std Error(0.0108), Calibration Date(8/29/2011 1:10:56 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **ETG @ Buckley** Date: **21-Jun-11** Time: **10:44**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0849	820
BY R 0633	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
820	10:53	1		0
820	10:53	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0849	13.16	

Problem: Battery dead.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Side Creek Park	Date:	15-Feb-11
		Time:	10:07
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 19662	830
TB J 18572	830
BY R 0511	830

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0830-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
830	10:26	1		0
830	10:26	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0511	13.00	

Problem:

Action Taken: startup. tb, txr ok. site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Side Creek Park	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	13:43
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
830	13:44	252		0
830	13:44	253		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: Side Creek Park Date: 28-Oct-11 Time: 14:11
Service Type: End of Season Technician: PB Status: Site Down

Configuration Changes

Part #	Location
TX J 19662	9000
TB J 18572	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS 12	Date:	14-Feb-11
Time:	10:20	Service Type:	Start Up
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
R 0402	840
20330	840

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
840	10:56	1		0
840	10:56	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Startup. TXr OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora FS 12** Date: **27-Oct-11** Time: **11:57**
Service Type: **End of Season** Technician: **PB** Status: **Site Down**

Configuration Changes

Part #	Location
R 0402	9000
20330	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Removed battery, TB. Changed dessicant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora FS 12** Date: **20-Jul-11** Time: **10:08**
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
840	10:09	222		0
840	10:11	223		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Top section funnel plugged, cleared, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	21-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	13:42
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
850	13:48	192			0
850	13:48	193			0
853	13:45	1158	5.07 psi		1161
853	13:46	470	2.08 psi		473

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:	30-Aug-11
		Time:	9:30
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
850	9:44	25		0	
850	9:45	26		0	
850	9:46	27		0	
853	9:42	1248	5.48 psi	1257	
853	9:43	497	2.22 psi	505	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	20-Jul-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	12:01
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1119	850
BY R 0324	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
850	12:07	0		0
850	12:08	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1119	13.10	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	27-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 11:29
			Status: Site Down

Configuration Changes	
Part #	Location
TB J 16624	9000
BY R 0324	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
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 tested outside acceptable range. Recalibrate at 2012 start-up. Raised PT. Removed TB, battery.

Site Notes:

Follow-Up: Recalibrate PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flying J** Date: **01-Mar-11** Time: **10:33**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TB J 16624	850
BY R 0324	850

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
850	11:00	1		0
850	11:00	2		0
850	11:00	3		0
853	10:50	1161	5.02 psi	1151
853	10:51	455	2.01 psi	455

Battery Tests

Battery #	V Quiescent	V Load
BY R 0324	13.02	

Problem:

Action Taken: Installed battery, desiccant and TB. Radio bad, replaced, RF OK. TB OK. PT tests OK, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek @ Colfax Date: 27-Oct-11 Time: 12:14
 Service Type: End of Season Technician: PB Status: Site Down

Configuration Changes

Part #	Location
TB J 12717	9000
BY R 0907	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
863	0.011	-0.2445	0.0872

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
863	12:22	1902	9.24 psi	1863
863	12:23	1476	7.16 psi	1445
863	12:24	1052	5.06 psi	1025
863	12:25	667	3.16 psi	644
863	12:26	250	1.13 psi	236
863	12:27	6	-0.07 psi	-5
863	12:28	1088	5.24 psi	1092
863	12:29	455	2.13 psi	457

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Raised PT. Removed TB, battery. Changed dessicant.

{Auto Entry: Calibrated sensor 863 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.2445), Std Error(0.0872), Calibration Date(10/27/2011 12:27:32 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek @ Colfax	Date:	09-Mar-11
		Time:	9:50
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
863	10:00	1040	5.06 psi	1026	
863	10:01	417	2.03 psi	416	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Reinstalled datalogger after programming. 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 @ Colfax	Date:	01-Mar-11
		Time:	11:15
Service Type:	Start Up	Technician:	DP
		Status:	PT Down

Configuration Changes	
Part #	Location
TB J 12717	860
BY R 0907	860

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
860	11:28	1		0
860	11:36	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0907	12.98	

Problem:

Action Taken: Installed battery, desiccant and TB. Datalogger not responding, unable to test PT. RF OK. Solar OK. TB OK. Will leave as rain only until further evaluation can be made.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek @ Colfax	Date:	02-Mar-11
		Time:	10:55
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	PT Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Unable to connect to datalogger, removed for evaluation.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Murphy Creek** Date: **21-Jun-11** Time: **13:16**
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
873	13:19	1157	5.05 psi	1176
873	13:20	468	2.06 psi	487

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:	Murphy Creek	Date:	30-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	13:14
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
873	0.010	0.5992	0.1459

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	13:28	262		0
870	13:29	263		0
870	13:45	2		0
873	13:20	1904	8.64 psi	2003
873	13:21	1504	6.78 psi	1576
873	13:22	1061	4.93 psi	1149
873	13:23	618	2.98 psi	698
873	13:24	185	1.07 psi	257

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Low battery

Action Taken: Changed battery. PT tested outside acceptable range. Recalibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 873 by linear regression. Modified calibration data. New calibration [Slope(0.0101), Calibration Offset(0.5992), Std Error(0.1459), Calibration Date(8/30/2011 1:25:13 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Murphy Creek	Date:	31-Oct-11
Service Type:	End of Season	Technician:	PB
		Time:	10:19
		Status:	Site Down

Configuration Changes	
Part #	Location
TB J 16628	9000
BY R 0312	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
Jumpers:
Eprom:
Tx Freq:
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 tested outside acceptable range. Recalibrate at startup. Raised PT. Tested txr, OK. Removed battery and TB.

Site Notes:

Follow-Up: Recalibrate at startup 2012

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Murphy Creek** Date: **09-Mar-11** Time: **13:22**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TB J 16628	870
BY R 0312	870

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
870	13:43	1		0
870	13:43	2		0
873	13:38	1205	5.10 psi	1187
873	13:39	497	2.04 psi	481

Battery Tests

Battery #	V Quiescent	V Load
BY R 0312	13.03	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Murphy Creek** Date: **08-Jul-11** Time: **12:04**
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: Missed rain event.

Action Taken: TB OK, received at base, cause unknwn.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	28-Jun-11
Time:	11:08		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
900	11:13	180		0
900	11:13	182		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 9:22 ID 901 raw = 195 => 19.5% RH, ID 902 raw = 1249 => 85.00 deg.F, psychrometer readings Td = 89 deg.F, Tw = 61 deg.F implying RH = 23% and dp = 45 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	18-Mar-11
		Time:	12:02
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0847	900
BY R 0903	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
900	12:11	10		0
900	12:11	11		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0847	13.40	

Problem:

Action Taken: Replaced battery and desiccant. RF OK. TB OK. Wind OK. RH/AT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	30-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	14:13
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 2:29 ID 901 raw = 158 => 15.8% RH, ID 902 raw = 2047 => Temp. sensor may be bad, check program. Psychrometer readings Td = 95 deg.F, Tw = 63 deg.F implying RH = 18% and dp = 45 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	31-Oct-11
Time:	13:29	Service Type:	Service Call
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: RHAT not functioning properly

Action Taken: Replaced RHAT. Reprogrammed CR10X. AT reported 2047. Reverted to old sensor/program. AT appears OK presently. Swapped radio unit. Will monitor.

Changed battery, dessicant. Solar OK. TB OK. Wind OK. @ 2:54 ID 901 raw = 145 => 14.18% RH, ID 902 raw = 1079 => 67.90 deg. F. Psychrometer readings Td = 67 deg.F, Tw = 46 deg.F implying RH = 20% and dp = 25 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	04-Oct-11
Time:	13:47	Status:	OK
Service Type:	OneRain Service Ca	Technician:	MZ

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: AT sensor was reporting 2047. Other sensors appeared to be functioning OK. RH/AT sensor tested OK. re-sent program, site now functional.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **01-Nov-11** Time: **10:19**
Service Type: **End of Season** Technician: **PB** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 23967	9000
TB J 23302	9000
BY R 0828	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0940-00E**
 Jumpers: **3,5 Off**
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
943	10:22	1142	5.51 psi	1118
943	10:23	444	2.09 psi	425

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **11-Mar-11** Time: **10:57**
 Service Type: **Start Up** Technician: **DP** Status: **PT Down**

Configuration Changes

Part #	Location
TX J 23967	940
TB J 23302	940
BY R 0828	940

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0940-00E**
 Jumpers: **3,5 Off**
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
940	11:41	1		0
940	11:41	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0828	13.04	

Problem:

Action Taken: Installed txr, battery, desiccant and TB. PT is dead. RF OK. TB OK. Solar OK. Wil leave as rain only until PT can be replaced.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **16-May-11** Time: **12:59**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
PT 2526433	940
PT D 2722855	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
943	0.011	-0.4471	0.1027

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
943	13:25	1828	9.01 psi	1738
943	13:26	1414	7.01 psi	1350
943	13:27	1014	5.04 psi	969
943	13:28	607	3.55 psi	680
943	13:29	1876	9.03 psi	1742
943	13:30	1470	7.05 psi	1357
943	13:31	1055	5.02 psi	964
943	13:32	650	3.02 psi	577
943	13:33	257	1.05 psi	196
943	13:34	1103	5.21 psi	1093
943	13:35	470	2.07 psi	458

Battery Tests

Battery #	V Quiescent	V Load
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Problem: PT down.

Action Taken: Installed new PT, set zero point and span, calibrated, good repeatability, good hydraulic contact.
 {Auto Entry: Calibrated sensor 943 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.4471), Std Error(0.1027), Calibration Date(5/16/2011 1:33:40 PM)]}.

Site Notes: PT length s/b 50 ft.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Regional Pond	Date:	02-Sep-11
		Time:	9:37
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
940	9:46	281		0	
940	9:46	283		0	
943	9:43	993	4.90 psi	995	
943	9:44	481	2.37 psi	482	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **28-Jun-11** Time: **11:50**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
943	0.011	-0.0386	0.0062

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
940	12:18	195		0
940	12:18	196		0
943	12:03	2015	9.95 psi	1920
943	12:04	1633	8.07 psi	1555
943	12:05	1247	6.15 psi	1184
943	12:06	858	4.23 psi	811
943	12:07	468	2.30 psi	437
943	12:09	1010	4.97 psi	1010
943	12:10	444	2.18 psi	444

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested outside acceptable range. Calibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 943 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0386), Std Error(0.0062), Calibration Date(6/28/2011 12:09:10 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **23-Feb-11** Time: **13:54**
Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 15781	950
TB J 21344	950
BY R 0256	950

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers:
Eprom:
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: Attempted to re-cal span. Could not get 653(stage) to report. Set up TB and Txr.

Site Notes: PT span/zero off?

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **11-Mar-11** Time: **12:07**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **PT Down**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem: Evaluate PT.

Action Taken: PT is dead.

Site Notes:

Follow-Up: Replace PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Piney Ck @ Liverpool	Date:	28-Jun-11
		Time:	12:29
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
953	0.011	-0.008	0.0047

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:46	182			0
950	12:46	184			0
953	12:36	1874	9.21 psi		1932
953	12:37	1492	7.32 psi		1532
953	12:38	1049	5.15 psi		1073
953	12:39	625	3.07 psi		632
953	12:40	225	1.10 psi		217
953	12:41	1022	5.02 psi		1025
953	12:42	423	2.08 psi		424

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Calibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 953 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.0080), Std Error(0.0047), Calibration Date(6/28/2011 12:40:37 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Piney Ck @ Liverpool	Date:	01-Nov-11
		Time:	10:47
Service Type:	End of Season	Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15781	9000
TB J 21344	9000
BY R 0256	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0950-00E
Jumpers:	3,5 off
Eprom:	R 1.8 3206 STD
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
953	10:52	989	4.73 psi	966	
953	10:53	452	2.13 psi	436	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **10-May-11** Time: **11:17**
 Service Type: **OneRain Service Ca** Technician: **DP/SB** Status: **OK**

Configuration Changes

Part #	Location
PT D 3336492	950
PT D 2949345	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
953	0.011	0.0785	0.017

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
950	12:02	25		0
950	12:05	26		0
953	12:00	1848	9.06 psi	1902
953	12:00	1464	7.19 psi	1504
953	12:00	1047	5.15 psi	1073
953	12:00	651	3.22 psi	664
953	12:01	260	1.30 psi	259
953	12:01	892	4.39 psi	890
953	12:02	502	2.49 psi	500

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed new PT, 100 feet. Tested and Calibrated PT. Good hydraulic contact. RF OK. TB OK.

{Auto Entry: Calibrated sensor 953 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0785), Std Error(0.0170), Calibration Date(5/10/2011 12:01:28 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Piney Ck @ Liverpool	Date:	02-Sep-11
		Time:	9:57
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
950	10:04	269		0	
950	10:06	270		0	
953	10:01	1185	5.77 psi	1178	
953	10:02	446	2.14 psi	437	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. 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-Mar-11** Time: **12:47**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part # Location
BY R 0303 **1000**

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1003	0.011	-0.0558	0.014

Tx Maintenance

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

Switches: **1000-00D**
Jumpers: **C:J6,1-2, J3,5 off**
Eprom: **R1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1000	13:17	1		0
1000	13:18	2		0
1003	13:02	1949	9.57 psi	1969
1003	13:03	1408	6.90 psi	1421
1003	13:04	917	4.49 psi	924
1003	13:05	634	3.09 psi	636
1003	13:06	235	1.13 psi	232
1003	13:07	1356	6.58 psi	1349
1003	13:08	409	1.96 psi	404

Battery Tests

Battery #	V Quiescent	V Load
BY R 0303	12.97	

Problem:

Action Taken: Replaced battery and desiccant. Callibrated PT. PT OK. Good hydraulic contact. RF OK. TB OK.

{Auto Entry: Calibrated sensor 1003 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.0558), Std Error(0.0140), Calibration Date(3/9/2011 1:07:09 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	18-Nov-11
Time:	14:02	Status:	OK
Service Type:	OneRain Service Ca	Technician:	SB

Configuration Changes	
Part #	Location
TB J 21365	1000
BY R 1003	1000
TB J 18583	9000
BY R 0303	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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 TXR, TB, and Dropped PT. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	07-Sep-11
Time:	11:38		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1000	11:44	306		0	
1000	11:45	307		0	
1003	11:42	1093	5.24 psi	1075	
1003	11:43	434	2.07 psi	428	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. 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:	03-Nov-11
Time:	13:37	Status:	Site Down
Service Type:	End of Season	Technician:	PB

Configuration Changes	
Part #	Location
TX J 19665	9000
TB J 18583	9000
BY R 0303	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1003	13:42	1046	5.35 psi	1098	
1003	13:43	344	1.94 psi	400	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	15-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	10:10
		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	
1000	10:18	151			0
1000	10:19	152			0
1003	10:14	1067	5.11 psi		1048
1003	10:15	453	2.10 psi		433

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: Denver West	Date: 18-Nov-11	Time: 12:56	
Service Type: End of Season	Technician: SB	Status: Site Down	

Configuration Changes	
Part #	Location
TB J 21365	9000
BY R 1039	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: Removed battery, TB, TXR, and desiccant for the season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver West	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	10:17
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

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: **Denver West** Date: **14-Feb-11** Time: **12:30**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TB J 21365	1010
BY R 1039	1010
TB J 18554	9000
BY R 0254	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1010-3-D**
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.9**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
1010	12:48	1		0
1010	12:48	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1039	13.00	

Problem:

Action Taken: Installed TXR, Battery, TB, and Desiccant. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	03-Nov-11
Service Type:	End of Season	Technician:	PB
		Time:	14:09
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 18538	9000
BY R 0921	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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: Did not test PT, battery found with low voltage (<9V), no transmissions. Raised PT. Removed txr, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	15-Jun-11
Time:	9:35	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	
1023	9:39	1228	5.19 psi	1208	
1023	9:40	474	2.05 psi	478	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tets OK, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Nolte Pond** Date: **09-Mar-11** Time: **13:26**
 Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 18538	1020
BY R 0921	1020

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1020-E00**
 Jumpers: **c: JB6,1-2 JB3,5=Off**
 Eprom: **57EE R1.8**
 Tx Freq: **169.525**
 Rx Freq: **171.875**
 Fwd Power: **4.8**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
1023	13:34	1111	4.79 psi	1115
1023	13:35	473	2.05 psi	476

Battery Tests

Battery #	V Quiescent	V Load
TX J 18538	12.86	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and dropped PT. 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:	Nolte Pond	Date:	07-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	12:03
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1023	0.01	-0.088	0.0195

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:07	1297	5.49 psi	1279	
1023	12:08	569	2.39 psi	557	
1023	12:10	1991	8.48 psi	1974	
1023	12:11	1670	7.11 psi	1655	
1023	12:12	1184	5.03 psi	1172	
1023	12:13	733	3.10 psi	721	
1023	12:14	259	1.07 psi	248	
1023	12:16	1266	5.38 psi	1262	
1023	12:17	533	2.24 psi	532	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact.

{Auto Entry: Calibrated sensor 1023 by linear regression. Modified calibration data. New calibration [Slope(0.0099), Calibration Offset(-0.0880), Std Error(0.0195), Calibration Date(9/7/2011 12:15:56 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	NREL/SERI	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	10:40
		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
1030	10:42	272		0
1030	10:42	273		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: NREL/SERI Date: 14-Feb-11 Time: 13:40
Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TB J 23294	1030
BY R 1021	1030

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
1030	13:58	1		0
1030	13:58	2		0

Battery Tests

Battery #	V Quiescent	V Load
TB J 23294	13.06	

Problem:

Action Taken: Installed TXR, Battery, TB, and Desiccant. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: NREL/SERI	Date: 18-Nov-11	Time: 13:30	
Service Type: End of Season	Technician: SB	Status: Site Down	

Configuration Changes	
Part #	Location
TB J 23294	9000
BY R 1021	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: Removed battery, TB, TXR, and desiccant for the season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Lena @ Hwy 6	Date: 18-Nov-11	Time: 12:19	
Service Type: End of Season	Technician: SB	Status: Site Down	

Configuration Changes	
Part #	Location
TX J 4395	9000
TB S 3359	9000
BY R 1134	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	
1043	12:22	1418	6.99 psi	1501	
1043	12:23	405	1.94 psi	422	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, TB, TXR, and desiccant for the season. PT OK. Cap missing to PT Riser. Replaced with PVC Cap.

Site Notes:

Follow-Up: Calibrate PT in spring.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lena @ Hwy 6	Date:	07-Sep-11
Time:	12:43	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1043	0.011	-0.0843	0.0186

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:58	5			0
1040	12:58	6			0
1043	12:46	1165	5.44 psi		1132
1043	12:47	495	2.29 psi		471
1043	12:48	1923	9.02 psi		1883
1043	12:49	1878	8.79 psi		1836
1043	12:50	1501	7.03 psi		1465
1043	12:51	1076	5.03 psi		1046
1043	12:52	674	3.13 psi		649
1043	12:53	256	1.17 psi		236
1043	12:55	1135	5.30 psi		1141
1043	12:56	460	2.12 psi		461

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 1043 by linear regression. Modified calibration data. New calibration [Slope(0.0108), Calibration Offset(-0.0843), Std Error(0.0186), Calibration Date(9/7/2011 12:55:09 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lena @ Hwy 6	Date:	16-Feb-11
Service Type:	Start Up	Technician:	SB
			Time: 13:19
			Status: OK

Configuration Changes	
Part #	Location
TB S 3359	1040
BY R 0923	1040
TB BC 152	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1040-3-0
Jumpers:	C: JB6,1-2 L:JB9,10,1-2
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
1040	13:42	1		0	
1040	13:42	2		0	
1043	13:35	919	4.36 psi	906	
1043	13:36	389	1.86 psi	382	

Battery Tests		
Battery #	V Quiescent	V Load
TB S 3359	12.90	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Lena @ Hwy 6** Date: **04-Aug-11** Time: **13:23**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 4395	1040
BY R 1134	1040
BY R 0923	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
1040	13:28	1		0
1040	13:28	2		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem: Battery dead.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Fairgrounds

Date: 14-Feb-11

Time: 12:02

Service Type: Start Up

Technician: SB

Status: OK

Configuration Changes

Part #	Location
TB J 19639	1050
BY R 0821	1050
TB J 2532	9000
BY R 0309	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: tx j 18536
 Jumpers:
 Eprom:
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.7
 Rev Power: 0.1
 SWR: 1.34

Test Transmission

Port	Time	Count	Measure	Predicted
1050	12:18	1		0
1050	12:18	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0821		12.97

Problem:**Action Taken:** Installed TXR, Battery, TB, and Desiccant. TB OK. RF OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairgrounds	Date:	18-Nov-11
Service Type:	End of Season	Technician:	SB
		Time:	12:40
		Status:	Site Down

Configuration Changes	
Part #	Location
TB J 19639	9000
BY R 1124	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	tx j 18536
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, TB, TXR, and desiccant for the season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairgrounds	Date:	25-Jul-11
		Time:	9:57
Service Type:	OneRain Service Ca	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1124	1050
BY R 0821	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	tx j 18536
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1050	10:08	1		0
1050	10:08	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1124	13.30	

Problem: Low Battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Apex**Date: **15-Feb-11**Time: **10:58**Service Type: **Start Up**Technician: **SB**Status: **OK****Configuration Changes**

Part #	Location
TB J 3174	1060
BY R 0848	1060
TB J 11492	9000
BY R 0348	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
1060	11:18	1		0
1060	11:19	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Installed TXR, Battery, TB, and Desiccant. RF OK. TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apex	Date:	18-Nov-11
Time:	11:48	Service Type:	End of Season
Technician:	SB	Status:	Site Down

Configuration Changes	
Part #	Location
TB J 3174	9000
BY R 0848	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, TB, TXR, and desiccant for the season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apex	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
			Time: 11:09
			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
1060	11:11	261		0
1060	11:11	262		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: L'ville Dwy "D" Date: 22-Feb-11 Time: 14:36
 Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 2806	1100
TB J 23177	1100
BY R 0948	1100

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1100-3-0
 Jumpers:
 Eprom:
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 4.7
 Rev Power: 0.1
 SWR: 1.34

Test Transmission

Port	Time	Count	Measure	Predicted
1100	14:54	1		0
1100	14:55	2		0
1103	14:47	1438	7.01 psi	1423
1103	14:48	454	2.15 psi	439

Battery Tests

Battery #	V Quiescent	V Load
TB J 23177	13.20	

Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant and lowered PT. PT OK. Good Hydraulic Contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	L'ville Dwy "D"	Date:	10-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 14:12
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 2806	9000
TB J 23177	9000
BY R 0948	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1103	14:13	1074	5.26 psi	1068	
1103	14:14	453	2.22 psi	452	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	L'ville Dwy "D"	Date:	08-Sep-11
Time:	14:19		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1100	14:30	223		0	
1100	14:31	224		0	
1103	14:24	1046	5.15 psi	1045	
1103	14:25	435	2.13 psi	435	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. 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:	22-Jun-11
		Time:	11:30
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	
1100	11:39	124			0
1100	11:40	125			0
1103	11:35	1109	5.39 psi		1095
1103	11:36	426	2.02 psi		413

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Missed rain event.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gunbarrel	Date:	15-Nov-11
Service Type:	End of Season	Time:	9:37
		Technician:	ZC/DP
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25145	9000
TB H 568	9000
BY R 0509	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1113	9:45	1121	5.43 psi	1121	
1113	9:46	452	2.18 psi	453	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT, PT OK. Removed battery, TB and TXR

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gunbarrel** Date: **22-Feb-11** Time: **13:48**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25145	1110
TB H 568	1110
BY R 0509	1110

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: **1110-0012-1112-11011**
Jumpers: **W4, W10**
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
1110	14:10	1		0
1113	14:01	1095	5.29 psi	1094
1113	14:02	496	2.39 psi	495

Battery Tests

Battery #	V Quiescent	V Load
TB H 568	13.10	

Problem:

Action Taken: installed TXR, Battery, TB, Desiccant and PT. RF OK. 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:	Gunbarrel	Date:	08-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	15:08
		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	15:16	228			0
1110	15:16	229			0
1113	15:13	1126	5.46 psi		1128
1113	15:14	426	2.07 psi		429

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. 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:	22-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	12:55
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1110	13:02	173		0	
1110	13:02	174		0	
1113	12:58	1043	5.04 psi	1041	
1113	12:59	432	2.09 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	22-Jun-11
Time:	10:58	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	
1200	11:07	174		0	
1200	11:07	175		0	
1203	11:02	924	5.04 psi	927	
1203	11:03	378	2.06 psi	378	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broomfield #3207** Date: **14-Mar-11** Time: **14:10**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 15782	1200
TB J 11492	1200
BY R 0637	1200

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: **1200-3-0**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
1200	14:36	1		0
1200	14:36	2		0
1203	14:26	1065	5.84 psi	1075
1203	14:26	410	2.25 psi	411

Battery Tests

Battery #	V Quiescent	V Load
BY R 0637	12.94	

Problem:

Action Taken: Insatllted TXR, Battery, TB, Desiccant, and dropped PT. PT OK. Good hydraulic contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	10-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 9:52
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 15782	9000
TB J 11492	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	
1203	10:04	945	5.12 psi	942	
1203	10:05	388	2.09 psi	383	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	31-Aug-11
Time:	12:08		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1200	12:23	287		0	
1200	12:23	288		0	
1203	12:19	915	5.04 psi	927	
1203	12:20	397	2.21 psi	406	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	06-Sep-11
Time:	12:42		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1300	12:46	312		0	
1300	12:46	313		0	
1303	12:44	1608	6.28 psi	1616	
1303	12:45	639	2.51 psi	641	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	28-Oct-11
Service Type:	End of Season	Time:	10:24
		Technician:	SB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 11923	9000
TB J 21358	9000
BY R 0305	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1303	10:29	1278	4.96 psi	1276	
1303	10:30	521	2.02 psi	513	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Tested PT, PT OK. Removed TB and Txr. Battery removed.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	30-Jun-11
Time:	9:47	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1300	9:52	177		0	
1300	9:53	178		0	
1303	9:50	1321	5.17 psi	1330	
1303	9:51	572	2.26 psi	575	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	14-Mar-11
Service Type:	Start Up	Technician:	SB
			Time: 13:21
			Status: OK

Configuration Changes	
Part #	Location
TX J 11923	1300
TB J 21358	1300
BY R 0305	1300

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1300-00E
Jumpers:	none
Eprom:	5.0S
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
1300	13:41	1		0	
1300	13:42	2		0	
1303	13:31	1918	7.48 psi	1929	
1303	13:32	483	1.91 psi	483	

Battery Tests		
Battery #	V Quiescent	V Load
TB J 21358	13.10	

Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant, and dropped PT. RF OK. 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:	Little Dry Creek @ 64t	Date:	16-Feb-11
		Time:	11:20
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11922	1310
TB J 19496	1310
BY R 0611	1310

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1310-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure	Predicted	
1310	11:41	1			0
1310	11:42	2			0
1313	11:34	1152	5.62 psi		1144
1313	11:34	483	2.35 psi		476

Battery Tests		
Battery #	V Quiescent	V Load
TB J 19496	13.09	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	06-Sep-11
		Time:	12:56
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1310	13:03	314		0	
1310	13:04	315		0	
1313	13:01	1090	5.32 psi	1082	
1313	13:02	426	2.07 psi	420	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	06-Apr-11
		Time:	13:26
Service Type:	OneRain Service Ca	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1310-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1310	13:29	5		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: TB Missed Report

Action Taken: Reed switch arm was rubbing against magnet. Fixed. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	30-Jun-11
		Time:	10:12
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1313	10:17	1073	5.23 psi	1064	
1313	10:18	528	2.56 psi	519	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Little Dry Creek @ 64t Date: 28-Oct-11 Time: 9:57
 Service Type: End of Season Technician: SB/ZC Status: Site Down

Configuration Changes

Part #	Location
TX J 11922	9000
TB J 19496	9000
BY R 0611	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
1313	10:01	460	2.23 psi	451
1310	10:02	372		0
1313	10:00	1176	5.71 psi	1163

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, TB, and Battery for season. Pulled up PT. PT tested OK. RF OK. Site Down.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	23-Feb-11
Time:	10:11	Service Type:	Other
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TB. OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	22-Feb-11
Time:	10:19	Service Type:	Start Up
Technician:	SB	Status:	Rain down

Configuration Changes	
Part #	Location
TB J 23174	1320
BY R 0941	1320
BY R 0344	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure	Predicted	
1323	10:36	1151	5.27 psi	1142	
1323	10:37	507	2.49 psi	502	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	21-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 11:21
			Status: Site Down

Configuration Changes	
Part #	Location
BY R 0941	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	
1323	11:27	1321	5.96 psi	1312	
1323	11:28	434	2.14 psi	448	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, battery, TB. PT tested within accpetable range. Raised PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	06-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	14:28
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1323	0.010	0.3635	0.1701

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1323	14:31	1121	5.12 psi	1108	
1323	14:32	462	2.26 psi	449	
1323	14:34	1876	8.38 psi	1860	
1323	14:35	1544	6.95 psi	1530	
1323	14:36	1095	5.02 psi	1084	
1323	14:37	657	3.12 psi	647	
1323	14:38	189	1.10 psi	180	
1323	14:39	1	0.01 psi	-71	
1323	14:40	1149	5.25 psi	1151	
1323	14:41	415	2.08 psi	434	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 1323 by linear regression. Modified calibration data. New calibration [Slope(0.0102), Calibration Offset(0.3635), Std Error(0.1701), Calibration Date(9/6/2011 2:40:04 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	27-Jun-11
Time:	10:39	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1323	10:43	1108	5.08 psi	1098	
1323	10:44	430	2.15 psi	422	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Roslyn	Date:	27-Oct-11
Time:	9:44	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TB S 0401	9000
R 0931	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Roslyn	Date: 20-Jul-11	Time: 9:46	
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
1330	9:46	613		0
1330	9:47	614		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:	Sanderson Gulch	Date:	09-Nov-11
Time:	12:50	Service Type:	End of Season
Technician:	PB/ZC	Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	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	12:51	637	5.37 psi	634	
1343	12:52	260	2.21 psi	263	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Remover txr, batteries, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	09-Mar-11
Service Type:	Start Up	Technician:	SB
		Time:	14:08
		Status:	OK

Configuration Changes	
Part #	Location
TX N 3105	1340
TB S 0201	1340
BY R 0817	1340

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1343	0.02	-0.1006	0.0532

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1340
Jumpers:	
Eprom:	9601-01-90 ver 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.9
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
1340	14:40	602			0
1340	14:41	603			0
1343	14:19	611	6.63 psi		617
1343	14:20	204	2.16 psi		201
1343	14:27	958	8.04 psi		748
1343	14:28	719	6.02 psi		560
1343	14:29	554	4.67 psi		434
1343	14:30	1023	8.74 psi		814
1343	14:31	859	7.21 psi		671
1343	14:31	596	5.01 psi		466
1343	14:32	396	3.33 psi		310
1343	14:32	144	1.21 psi		113

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed Battery, Desiccant, TB, and dropped PT. RF OK. TB OK. Adjusted span on PT. Callibrated. PT OK. Good hydraulic contact.

{Auto Entry: Calibrated sensor 1343 by linear regression. Modified calibration data. New calibration [Slope(0.0197), Calibration Offset(-0.1006), Std Error(0.0532), Calibration Date(3/9/2011 2:33:17 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	27-Jun-11
Time:	11:08	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	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	
1320	10:47	164		0	
1320	10:47	165		0	
1340	11:17	774		0	
1340	11:17	776		0	
1343	11:12	599	5.02 psi	593	
1343	11:13	261	2.17 psi	260	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested 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:	07-Sep-11
Time:	14:29	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1340
Jumpers:	
Eprom:	9601-01-90 ver 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1340	14:35	892			0
1340	14:35	892			0
1343	14:33	613	5.25 psi		620
1343	14:34	276	2.29 psi		274

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	14-Feb-11
		Time:	14:58
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX N 3108	1350
TB S 0206	1350
BY R 0341	1350

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1350	15:15	319		0
1350	15:15	320		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, TB, and Desiccant. Had to change TB for a 1 pulse count. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	22-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	11:37
		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
1350	11:38	428		0
1350	11:45	438		0
1350	11:47	439		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Under counting rain.

Action Taken: Adjusted TB to 2 clicks per tip. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	09-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
		Time:	10:01
		Status:	Site Down

Configuration Changes	
Part #	Location
TX N 3108	9000
TB S 0206	9000
BY R 0341	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: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Denver ZOO	Date: 04-Nov-11	Time: 9:46	
Service Type: End of Season	Technician: PB	Status: Site Down	

Configuration Changes	
Part #	Location
S 0203	9000
R 0842	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1360
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Denver ZOO** Date: **14-Feb-11** Time: **11:34**
Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
S 0203	1360
R 0842	1360

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: **1360**
Jumpers:
Eprom: **9601-01-90 Ver. 3.9M**
Tx Freq: **169.525**
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
1360	11:57	504		0
1360	11:57	505		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Startup. TB ok, Site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver ZOO	Date:	20-Jul-11
Time:	10:36		
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:	1360
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1360	10:45	832		0
1360	10:46	833		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB out of position, centered and anchored, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fire Station 13	Date:	22-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	12:02
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1122	1370
BY R 0404	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1370	12:11	1		0
1370	12:11	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1122	13.15	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fire Station 13	Date:	09-Nov-11
Service Type:	End of Season	Time:	9:39
		Technician:	PB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 18530	9000
BY R 1122	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: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fire Station 13	Date:	14-Feb-11
		Time:	14:26
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 18530	1370
TB S 0301	1370
BY R 0404	1370

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1370	14:44	1		0
1370	14:44	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, TB, and Desiccant. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	04-Nov-11
Service Type:	Inspection	Technician:	PB
		Time:	10:11
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed dessicant. Solar OK. Purged bubbler.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	20-Jul-11
Service Type:	Service Call	Technician:	DP
		Time:	10:57
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Erratic reporting.

Action Taken: Radio power low 1 W, replaced, RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	30-Jun-11
Time:	10:44	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Purged bubbler. Received test tx locally.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	14-Feb-11
Service Type:	Inspection	Technician:	PB
		Time:	12:16
		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:	169.525
Rx Freq:	
Fwd Power:	1.5
Rev Power:	0.0
SWR:	1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
DL 4643	13.80	

Problem:

Action Taken: Checked voltage. OK. Checked RF, possibly low, received all test txs on-site. RF reading 1.5. changed dessicant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	02-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	12:48
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Purged bubbler. Received test transmission locally. Solar, battery OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	06-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	13:31
		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	
1400	13:39	239		0	
1400	13:39	240		0	
1403	13:36	1177	5.35 psi	1177	
1403	13:37	469	2.13 psi	470	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	16-Feb-11
		Time:	12:08
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TB J 25035	1400
BY R 0505	1400
BY R 0907	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1400-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.9
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
1400	12:29	1		0	
1400	12:30	2		0	
1403	12:22	1055	4.77 psi	1050	
1403	12:23	454	2.04 psi	450	

Battery Tests		
Battery #	V Quiescent	V Load
TB J 25035	13.00	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	03-Nov-11
Service Type:	End of Season	Technician:	PB
		Time:	12:54
		Status:	Site Down

Configuration Changes	
Part #	Location
TB J 25035	9000
BY R 0505	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1403	13:00	1244	5.60 psi	1230	
1403	13:01	473	2.11 psi	465	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	27-Jun-11
Time:	9:30	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1400	9:40	124		0	
1400	9:41	125		0	
1403	9:31	1119	5.09 psi	1119	
1403	9:32	496	2.26 psi	497	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	29-Sep-11
Service Type:	Inspection	Technician:	PB
		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
1420	11:22	1469		0
1420	11:23	1470		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 2:29 ID 1421 raw = 30 => 30% RH, ID 1422 raw = 103 => 63 deg. Psychrometer readings Td = 63 deg.F, Tw = 48 deg.F implying RH = 36% and dp = 36 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Diamond Hill** Date: **15-Jul-11** Time: **10:28**
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
1420	10:39	1431		0
1420	10:45	1432		0
1420	10:45	1433		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: @ 10:45 ID 1421 raw = 35 => 35% RH, ID 1422 raw = 123 => 83 deg.F, psychrometer readings Td = 83 deg.F, Tw = 65 deg.F implying RH = 40% and dp = 56 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:	Diamond Hill	Date:	14-Mar-11
Time:	11:06		
Service Type:	Start Up	Technician:	SB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 1001	1420
BY R 0431	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1420
Jumpers:	
Eprom:	9601-01-81 Ver 3.5
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1420	11:25	1151		0
1420	11:27	1152		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1001	12.80	

Problem:

Action Taken: Replaced Battery and Desiccant. Solar OK. RF OK. TB OK. RHAT OK. Wind rotating Freely.
 @ 11:30 AT = 49, Psychrometer = 52.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Diamond Hill	Date: 21-Nov-11	Time: 10:35	
Service Type: Inspection	Technician: PB/ZC	Status: OK	

Configuration Changes	
Part #	Location
BY R 0411	1420

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 391		80	4	0.00

Settings and Performance	
Switches:	1420
Jumpers:	
Eprom:	9601-01-81 Ver 3.5
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0411	13.10	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Solar OK. TB OK. Wind moving freely, OK.

@ 10:23 1422 raw = 81 => 41 deg. F. 1422 raw = 49 => 49% RH. Psychrometer reading Td = 42 deg. F, Tw = 36 deg. F, implying RH of 49% and dp = 27 deg F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	05-Oct-11
Service Type:	Inspection	Technician:	SB
		Time:	10:28
		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:	W4, W10 2-3
Eprom:	555 4.01
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.0
SWR:	1.11

Test Transmission				
Port	Time	Count	Measure	Predicted
1440	11:01	438		0
1440	11:02	439		0
1440	11:03	440		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced Desiccant. Battery OK. Solar OK. Wind OK. @ 10:44 Site read 63 degrees 32 % humidity. Psychrometer reading 65 degrees and 33%. Slight tear in solar shielding, fixed issue. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	14-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	10:53
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1002	1440

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	W4, W10 2-3
Eprom:	555 4.01
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1440	11:03	211		0
1440	11:17	212		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1002	13.00	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. @ 11:03 ID 1441 raw =15 => 15% RH, ID1442 raw = 89 => 49 deg.F, psychrometer readings Td = 50 deg.F, Tw = 35 deg.F implying RH = 18% and dp = 8 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	11-Jul-11
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
1440	11:25	327		0
1440	11:25	328		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:15 ID 1441 raw = 43 => 43% RH, ID 1442 raw = 114 => 74 deg.F ,psychrometer readings Td = 75 deg.F, Tw = 61 deg.F implying RH = 48% and dp = 54 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Elbert Wx	Date: 11-Nov-11	Time: 11:44	
Service Type: Inspection	Technician: PB/ZC	Status: OK	

Configuration Changes	
Part #	Location
BY R 1028	1440
BY R 1002	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	W4, W10 2-3
Eprom:	555 4.01
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1002	12.96	

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 11:50 ID 1441 raw = 6 => 6% RH, ID 1442 raw = 100 => 60 deg.F, psychrometer readings Td = 59 deg.F, Tw = 38 deg.F implying RH = 7% and dp = -5 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	27-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	10:09
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 10:19 ID 1461 raw = 683 => 68.3% RH, ID 1462 raw = 722 => 32.2 deg.F, psychrometer readings Td = 35 deg.F, Tw = 31 deg.F implying RH = 75% and dp = 27 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	09-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	9:19
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0406	1460
BY R 0910	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	1.0
SWR:	2.75

Test Transmission				
Port	Time	Count	Measure	Predicted
1460	9:31	306		0
1460	9:31	307		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0406	12.90	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. @ 9:22 ID 1461 raw = 317 =>31.7% RH, ID 1462 raw= 804 => 40.40 deg.F, psychrometer readings Td = 42 deg.F, Tw = 32 deg.F implying RH = 33% and dp = 19 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	28-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	9:38
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1460	10:05	485		0
1460	10:05	486		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 9:22 ID 1461 raw = 363 => 35.9% RH, ID 1462 raw = 1151 => 75.10 deg.F, psychrometer readings Td = 79 deg.F, Tw = 62 deg.F implying RH = 39% and dp = 52 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	13-Jan-11
Service Type:	Inspection	Technician:	DP
		Time:	12:04
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1460	12:15	297		0
1460	12:15	298		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:06 ID 1461 raw = 316 => 31.6% RH, ID 1462 raw = 923 => 52.3 deg.F psychrometer readings Td = 52 deg.F, Tw = 40 deg.F implying RH = 35% and dp = 25 deg.F. RF OK. Solar Ok. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	29-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	10:08
		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	10:18	656		0
1460	10:18	657		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 10:10 ID 1461 raw = 547 => 54.7% RH, ID 1462 raw = 1126 => 72.6 deg.F, psychrometer readings Td = 79 deg.F, Tw = 66 deg.F implying RH = 54% and dp = 61 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	18-Nov-11
Time:	9:36		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1484	0.011	-0.184	0.0407

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1480	10:05	136		0
1480	10:07	137		0
1483	9:45	1079	5.43 psi	1073
1483	9:46	468	2.36 psi	467
1484	9:50	1143	5.50 psi	1120
1484	9:51	1074	5.17 psi	1051
1484	9:52	502	2.37 psi	480
1484	9:53	1856	8.97 psi	1827
1484	9:54	1465	7.07 psi	1440
1484	9:55	1078	5.18 psi	1053
1484	9:56	651	3.10 psi	628
1484	9:57	257	1.17 psi	235
1484	9:58	1157	5.57 psi	1153
1484	9:59	451	2.12 psi	449

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Stream PT 1483 tested within acceptable range. Stilling well PT 1484 tested outside acceptable range. Recalibrated. Did not gain access to building housing txr. Test at startup. Cleaned TB, OK.

{Auto Entry: Calibrated sensor 1484 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.1840), Std Error(0.0407), Calibration Date(11/18/2011 9:57:55 AM)]}.

Site Notes:

Follow-Up: Test txr at startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	30-Mar-11
Time:	10:19	Status:	OK
Service Type:	Inspection	Technician:	DP

Configuration Changes	
Part #	Location
BY R 9735	1480

Transducer Calibration			
Sensor 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:	2.4
Rev Power:	0.1
SWR:	1.51

Test Transmission					
Port	Time	Count	Measure	Predicted	
1480	10:45	1			0
1480	10:46	2			0
1483	10:34	1024	5.08 psi		1004
1483	10:35	416	2.06 psi		407
1484	10:39	1031	5.04 psi		1025
1484	10:40	420	2.07 psi		419

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9735	12.85	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	11-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	12:32
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11033	1480
TX J 19006	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1480	13:19	1			0
1480	13:20	2			0
1483	13:02	1011	5.09	psi	1004
1483	13:03	415	2.08	psi	411
1484	13:12	1034	5.09	psi	1034
1484	13:13	421	2.07	psi	419

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Txr resetting rain count.

Action Taken: Replaced txr, will evaluate removed txr. RF bad, polyphasor bad, replaced, OK SWR = 1.02. (possible near lightning strike). +3 PT tests OK, +4 PT tests low, adjusted zero point, OK, both have good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	27-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	13:01
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1503	0.012	0.3231	0.0754

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1503	13:07	1712	9.10 psi	1743	
1503	13:08	1328	7.09 psi	1356	
1503	13:09	972	5.23 psi	998	
1503	13:10	579	3.17 psi	603	
1503	13:11	168	1.01 psi	189	
1503	13:14	1727	9.17 psi	1757	
1503	13:15	1343	7.17 psi	1372	
1503	13:16	977	5.25 psi	1003	
1503	13:17	581	3.18 psi	606	
1503	13:18	178	1.07 psi	200	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Calibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0121), Calibration Offset(0.3231), Std Error(0.0754), Calibration Date(6/27/2011 1:18:44 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	01-Nov-11
Service Type:	End of Season	Technician:	PB
			Time: 13:16
			Status: Site Down

Configuration Changes	
Part #	Location
TB J 3976	9000
BY R 9732	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1503	13:20	968	4.99 psi	925	
1503	13:21	419	2.17 psi	387	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB.

Site Notes: Conduit damaged. PT cable exposed. Replace.

Follow-Up: Recalibrate at startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	18-Feb-11
Service Type:	Start Up	Technician:	SB
			Time: 13:18
			Status: OK

Configuration Changes	
Part #	Location
TB J 3976	1500
BY R 1003	1500
TB J 17973	9000
BY R 0945	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1500-00E
Jumpers:	C:J6,1-2,J3,5off;L:J8,9,1-2
Eprom:	R1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.3
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1500	13:44	1		0
1500	13:45	2		0
1503	13:34	911	4.87 psi	930
1503	13:35	381	2.11 psi	399

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	24-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	12:41
		Status:	OK

Configuration Changes	
Part #	Location
BY R 9732	1500

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1500	13:02	1		0
1500	13:02	2		0
1503	12:56	909	5.00 psi	927
1503	12:57	372	2.17 psi	386

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9732	12.84	

Problem: Low battery.

Action Taken: Changed battery, dessicant. PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	17-May-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:16
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3342532	1520
PT D 3121132	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	
1520	11:56	385		0	
1520	11:56	387		0	
1523	11:51	1298	5.65 psi	1302	
1523	11:52	2043	8.88 psi	2047	
1523	11:53	459	2.05 psi	470	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT down.

Action Taken: Pulled new PT, calibration is within 1% limits. TB OK.

Site Notes:

Follow-Up: Replace desiccant on PT vent.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	30-Mar-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:47
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT is dead. Placed short on input to prevent noise transmissions.

Site Notes: PT length 30 ft. (25 ft. minimum)

Follow-Up: Replace PT, 30 ft.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Marston Lake** Date: **29-Jun-11** Time: **14:03**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
1520	14:10	454		0
1520	14:10	455		0
1523	14:07	1186	5.21 psi	1201
1523	14:08	487	2.18 psi	502

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact. TB OK. @ 2:10 ID 1521 raw =128 => 6.4% RH, ID 1522 raw = 1327 => 92.6 deg.F, psychrometer readings Td = 93 deg.F, Tw = 61 deg.F implying RH = 16% and dp = 39 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	09-Mar-11
Time:	14:57	Service Type:	Start Up
Technician:	SB	Status:	PT Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1520-0012-1112-11011
Jumpers:	J4 J10
Eprom:	AB-SP09
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1520	15:23	288		0
1520	15:27	289		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT is not functional. WInd OK. RH OK. Temp 54 @ 3:21. Psychrometer 55. Replaced Desiccant. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	01-Nov-11
Time:	14:16	Service Type:	End of Season
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1004	1520
BY R 0915	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1520-0012-1112-11011
Jumpers:	J4 J10
Eprom:	AB-SP09
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1520	14:55	1		0	
1520	14:56	2		0	
1523	14:19	1327	5.67 psi	1306	
1523	14:20	485	2.06 psi	474	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1004	13.21	

Problem:

Action Taken: PT tested within acceptable range. Raised PT.

Site found full of water. Siphoned water out of enclosure. Holes found open on antenna mast as well as the conduit below the TB. Temporarily covered with duct tape, in lieu of gap filler.

Changed battery. Added additional dessicant to curb residual moisture. TB OK. Txr OK. Solar OK. Wind OK.

@ 14:53 ID 1521 raw = 630 => 31.50% RH, ID 1522 raw = 846 => 44.6 deg.F, psychrometer readings Td = 48 deg.F, Tw = 36 deg.F implying RH = 37% and dp = 22 deg.F.

Site Notes:

Follow-Up: Seal open holes under TB and on antenna mast.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	09-Nov-11
		Time:	12:23
Service Type:	End of Season	Technician:	PB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
BY R 0418	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	
1533	12:23	1096	5.10 psi	1127	
1533	12:24	424	2.04 psi	435	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Lowell** Date: **18-Feb-11** Time: **14:22**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0418	1530
BY R 0938	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
1530	14:31	1		0
1530	14:31	2		0
1533	14:34	1128	5.01 psi	1107
1533	14:35	458	2.12 psi	452

Battery Tests

Battery #	V Quiescent	V Load
BY R 0418	13.04	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	27-Jun-11
		Time:	11:57
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1530	12:04	176		0	
1530	12:05	177		0	
1530	12:06	178		0	
1530	12:07	179		0	
1533	12:01	1143	5.11 psi	1130	
1533	12:02	541	2.49 psi	536	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood CC	Date:	28-Feb-11
Service Type:	Start Up	Technician:	SB/DP
		Time:	10:40
		Status:	OK

Configuration Changes	
Part #	Location
TB J 24912	1550
BY R 0908	1550
TB J 8382	9000
BY R 0920	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1550	10:46	1		0
1550	10:46	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0908	12.92	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Lakewood CC	Date: 09-Nov-11	Time: 13:22	
Service Type: End of Season	Technician: PB/ZC	Status: Site Down	

Configuration Changes	
Part #	Location
TB J 24912	9000
BY R 0908	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood CC	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	11:42
		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
1550	11:43	332		0
1550	11:43	333		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:	Lakewood Gulch	Date:	14-Mar-11
Time:	11:54	Service Type:	Start Up
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location
BY R 0808	1560

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1560-00E
Jumpers:	C:J6,1-2,J3+5off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission					
Port	Time	Count	Measure	Predicted	
1563	12:11	413	1.95 psi	392	
1563	12:12	950	4.75 psi	954	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0808	12.90	

Problem:

Action Taken: Installed battery. Dropped PT. PT OK. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	09-Nov-11
Service Type:	End of Season	Technician:	PB/ZC
			Time: 13:43
			Status: Site Down

Configuration Changes	
Part #	Location
BY R 0808	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	
1563	13:57	1041	5.16 psi	1037	
1563	13:58	393	2.01 psi	404	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed battery, replaced dessicant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	27-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	10:12
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1563	10:16	1042	5.24 psi	1051	
1563	10:17	444	2.24 psi	450	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	06-Sep-11
Time:	14:06	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1563	14:10	1075	5.40 psi	1085	
1563	14:11	506	2.55 psi	512	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	24-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	11:00
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1603	0.014	0.2387	0.0514

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:39	12			0
1600	11:41	13			0
1603	11:07	811	5.01 psi		1220
1603	11:08	339	2.16 psi		535
1603	11:11	1458	9.04 psi		2188
1603	11:12	1567	9.67 psi		2339
1603	11:13	1034	6.43 psi		1560
1603	11:14	766	4.80 psi		1167
1603	11:15	427	2.72 psi		669
1603	11:16	121	0.85 psi		219
1603	11:19	1569	9.74 psi		0
1603	11:31	1557	9.65 psi		0
1603	11:32	1622	10.01 psi		0
1603	11:33	1261	7.88 psi		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested far outside of acceptable range. Signal Cond. will need to be adjusted, however could not open standpipe due to large wasp nest in topsection, and no raid in truck. Recalibrated sensor regardless, reading ~1500 at top of range. Zeroing at roughly .25 PSI. Will revisit with spray. TB OK.

{Auto Entry: Calibrated sensor 1603 by linear regression. Modified calibration data. New calibration [Slope(0.0141), Calibration Offset(0.2387), Std Error(0.0514), Calibration Date(8/24/2011 11:36:52 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Englewood Dam Date: 15-Jul-11 Time: 11:26
Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
TX J 27313	1600
BY R 0349	1600
BY R 0815	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1600-00E
 Jumpers: C:J6,1-2,J3,5 off; L:J9,19
 Eprom: R1.8 57FE
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.4
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
1600	11:46	1		0
1600	11:46	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem: Stopped reporting.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	01-Nov-11
Service Type:	End of Season	Technician:	PB
		Time:	12:00
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 27313	9000
TB J 2531	9000
BY R 0349	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1603	12:07	880	5.09 psi	816	
1603	12:08	363	2.00 psi	311	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Adjust sig. cond. zero/span on startup. Recalibrate. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Adjust sig. cond. & Recalibrate on startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	15-Mar-11
		Time:	12:25
Service Type:	OneRain Service Ca	Technician:	SB/DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1600	12:36	5		0
1600	12:37	6		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Overreporting

Action Taken: Changed delta change from 5 to 20 counts. Will continue to monitor and evaluate.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	13:51
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1600	13:55	128			0
1600	13:55	129			0
1603	13:53	1281	5.30 psi		1288
1603	13:54	533	2.18 psi		540

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: Englewood Dam Date: 18-Feb-11 Time: 10:35
 Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TB J 2531	1600
BY R 0815	1600
TB J 18560	9000
BY R 0265	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1603	0.01	-0.1468	0.0308

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
1600	11:19	1		0
1600	11:19	2		0
1603	10:52	1299	5.43 psi	1279
1603	10:57	1936	8.02 psi	1890
1603	10:58	1694	7.02 psi	1653
1603	10:59	1230	5.08 psi	1197
1603	11:00	748	3.07 psi	724
1603	11:01	276	1.08 psi	256
1603	11:02	1227	5.08 psi	1235
1603	11:03	506	2.06 psi	511

Battery Tests

Battery #	V Quiescent	V Load
TB J 2531	13.09	

Problem:

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

{Auto Entry: Calibrated sensor 1603 by linear regression. Modified calibration data. New calibration [Slope(0.0096), Calibration Offset(-0.1468), Std Error(0.0308), Calibration Date(2/18/2011 11:02:07 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	01-Nov-11
Time:	11:35	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	11:39	1168	5.33 psi	1136	
1613	11:40	544	2.24 psi	505	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery.

Site Notes:

Follow-Up: Recalibrate at 2012 startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	18-Feb-11
Time:	11:32	Service Type:	Start Up
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance		
Switches:	1610-3-0	00E
Jumpers:	JB 3-5 off	
Eprom:	R 1.8	9CA1
Tx Freq:	169.525	
Rx Freq:		
Fwd Power:	4.0	
Rev Power:	0.1	
SWR:	1.38	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	11:44	1334	6.35 psi	1344	
1613	11:45	488	2.22 psi	502	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0631	13.10	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and dropped PT. PT OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	24-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	10:37
		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	10:42	1187	5.58 psi	1187	
1613	10:43	400	1.77 psi	410	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	14:15
		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	
1613	14:17	1020	4.71 psi	1010	
1613	14:18	461	1.99 psi	455	

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:	16-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	14:42
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1620	14:52	115			0
1620	14:52	116			0
1620	14:53	117			0
1620	14:54	118			0
1623	14:49	1071	5.25 psi		1071
1623	14:50	450	2.19 psi		448

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	01-Nov-11
Time:	12:46	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 27311	9000
TB J 8373	9000
BY R 1140	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	
1623	12:52	1091	5.17 psi	1055	
1623	12:53	471	2.16 psi	441	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up: Recalibrate on 2012 startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	24-Aug-11
Time:	12:15	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1620	12:27	9		0	
1620	12:28	10		0	
1623	12:24	1007	5.01 psi	1023	
1623	12:25	424	2.14 psi	436	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	18-Feb-11
Service Type:	Start Up	Technician:	SB
		Time:	12:04
		Status:	PT Down

Configuration Changes	
Part #	Location
TB J 8373	1620
BY R 0332	1620
BY R 0842	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1620-00E
Jumpers:	C:J6,1-2,J3,5off;L:J8,9,1-2
Eprom:	R1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT Dead

Action Taken: Installed TXR, Battery, Desiccant, and TB. PT was unresponsive. Replaced J3. TB OK. RF OK.

Site Notes:

Follow-Up: Replace PT

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Slaughterhouse** Date: **15-Mar-11** Time: **13:11**
Service Type: **OneRain Service Ca** Technician: **SB/DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 27311	1620
PT D 3121128	1620
PT D 1694480	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1623	0.011	-0.0013	0.0041

Tx Maintenance

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

Switches: **1620-00E**
Jumpers: **C:J6,1-2,J3,5off;L:J8,9,1-2**
Eprom: **R1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
1620	14:00	1		0
1620	14:00	2		0
1623	13:38	2023	9.93 psi	2394
1623	13:38	1454	7.14 psi	1725
1623	13:39	1027	5.05 psi	1221
1623	13:39	589	2.89 psi	703
1623	13:39	207	1.01 psi	252
1623	13:40	1064	5.23 psi	1068
1623	13:40	394	1.93 psi	395

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed and calibrated new PT, good hydraulic contact. Replaced txr due to excess ID's. TB OK. RF OK.

{Auto Entry: Calibrated sensor 1623 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.0013), Std Error(0.0041), Calibration Date(3/15/2011 1:39:57 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	25-Jul-11
Time:	10:45	Status:	OK
Service Type:	OneRain Service Ca	Technician:	PB

Configuration Changes	
Part #	Location
BY R 1140	1620
BY R 0332	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
1620	10:57	1		0
1620	10:57	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1140	12.96	

Problem: Low battery

Action Taken: Replaced battery & desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	27-Jun-11
Time:	11:42	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Encoder OK. Txr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	09-Sep-11
Time:	10:27	Service Type:	Inspection
Technician:	DP/PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Receiving intermittently
Action Taken: Checked radio wattage. SE OK.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	09-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	12:05
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0306	1630
BY R 1024	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1630-1950-0072-11011
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	C
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0306	13.33	

Problem:

Action Taken: Replaced battery. SE OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	25-May-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:45
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1024	1630
BY R 0940	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1024	13.11	

Problem: Battery dead.

Action Taken: Replaced battery.ID 1629 raw = 0 = 1.76, enc reads 1.81.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	14-Jan-11
Service Type:	Inspection	Technician:	DP
		Time:	11:57
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1630-1950-0072-11011
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	C
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:58 ID 1629 raw = 2022 => 1.50, tape and enc = 1.51. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	14-Mar-11
Service Type:	Start Up	Technician:	SB
		Time:	10:35
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0940	1630
BY R 0248	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1630-1950-0072-11011
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	C
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant. Stage read 1.37 @ 10:46, USGS read 1.38. RF OK. Stage OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	27-Jun-11
		Time:	12:31
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1629	12:16	48		0
1629	12:33	49		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Encoder OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	14-Jan-11
		Time:	11:34
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:	169.525
Rx Freq:	171.875
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	14-Jul-11
Time:	14:09	Status:	OK
Service Type:	OneRain Service Ca	Technician:	SB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	14:19	443		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Cleaned funnel. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	01-Nov-11
Time:	13:48		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 1121	1640
BY R 0906	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	171.875
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	13:50	554		0
1640	13:58	555		0
1640	13:59	557		0
1640	14:00	558		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1121	13.25	

Problem:

Action Taken: Changed battery, dessicant. Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	09-Sep-11
Time:	10:43		
Service Type:	Inspection	Technician:	DP/PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	14-Mar-11
		Time:	9:56
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0906	1640
BY R 0912	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	171.875
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	10:16	264		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0906	13.10	

Problem:

Action Taken: Replaced battery and desiccant. Noticed TXR was on 169.525, with dual freq should be at 169.500. Unable to change freq due to old TXR. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR at 19th Street** Date: **28-Oct-11** Time: **13:59**
Service Type: **End of Season** Technician: **SB/ZC** Status: **Site Down**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **JB 9&10 @1&2,EvT-E,WL**
Jumpers: **JB1off,JB2on,JB3on,Jb4o**
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced BNC connector. Re-calibrated shaft encoder. Read 2.98 feet, USGS reads 2.90 feet.
Replaced desiccant. AC charge.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	17-May-11
Time:	10:45	Status:	OK
Service Type:	Service Call	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: Readings had a negative rollover at UDFCD.

Action Taken: Reset shaft encoder to match reality. Need to reset DIADvisor to match.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	14-Mar-11
		Time:	12:47
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1001	1650
BY R 0628	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	JB 9&10 @1&2,EvT-E,WL
Jumpers:	JB1off,JB2on,JB3on,Jb4o
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.9
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant. Lost raw value for stage when battery switch. Re calibrated to 2.77 feet. USGS reading 2.83. RF OK. Stage OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	30-Jun-11
Time:	11:17	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: USGS reading 4.1 ft. RF OK. Stage OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	09-Sep-11
		Time:	9:46
Service Type:	Inspection	Technician:	DP/PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Receiving site intermittently.

Action Taken: Checked radio wattage. ~4W, OK. SE OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR at 19th Street** Date: **14-Jan-11** Time: **10:29**
 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: **JB 9&10 @1&2,EvT-E,WL**
 Jumpers: **JB1off,JB2on,JB3on,Jb4o**
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:28 ID 1649 raw = 306 => 3.03, tape and enc = 2.97. CDWR log from 12/17/10 tape, outside, enc and pen all = 2.77. RF OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	09-Sep-11
		Time:	9:07
Service Type:	Inspection	Technician:	DP/PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Rxing intermittently.

Action Taken: SE OK. TB OK. Checked wattage on radio, >2W, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	03-Nov-11
		Time:	11:06
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Txr OK. TB OK. Solar OK. Stage reading 12.1 ft. OK. Confirm offset.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	04-Feb-11
Service Type:	OneRain Service Ca	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:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	14:10	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Intermittant tx.
Action Taken: Reset txr. RF OK. TB OK.
Site Notes:
Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	10-Feb-11
		Time:	13:23
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
TX J 28973	1660
TX J 19664	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	13:39	1		0
1660	13:43	2		0
1660	13:43	3		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stage not reporting reliably.

Action Taken: Replaced txr, configured for SE, reset Shaft Encoder. @ 13:39 ID 1659 raw = 441 => 4.41, tape and enc = 4.42. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	13-Jan-11
		Time:	11:27
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:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	11:32	250		0
1660	11:33	251		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:30 ID 1659 raw = 424 => 4.24, tape and enc = 4.37. CDWR log from 12/9/10 tape, enc and pen all = 4.26. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	17-Mar-11
Time:	11:16		
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:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	11:21	5		0
1660	11:21	6		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. TB OK. @ 11:19 ID 1659 raw = 437 => 4.37, tape and enc = 4.28..

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	30-Jun-11
		Time:	12:05
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	12:10	149		0
1660	12:10	151		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: USGS reading 9.6 ft. RF OK. Stage OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	18-Mar-11
		Time:	13:05
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1700	13:10	365		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **25-May-11** Time: **12:12**
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	12:18	465		0
1700	12:19	466		0

Battery Tests

Battery # V Quiescent V Load

Problem: Erratic rain reports.

Action Taken: Funnels plugged, cleared, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	09-Sep-11
		Time:	10:02
Service Type:	Inspection	Technician:	DP/PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1700	10:06	605		0
1700	10:08	606		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: SE OK. TB cleaned, OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **14-Jan-11** Time: **10:40**
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: **169.525**
Rx Freq: **171.875**
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1700	10:41	348		0
1700	10:42	349		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	21-Nov-11
		Time:	10:00
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	171.875
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
1700	10:11	662		0
1700	10:12	663		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced dessicant. Solar OK, TB cleaned, OK. Replace J battery on startup.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	17-Jun-11
		Time:	10:50
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1700	11:22	472		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Radio at site not transmitting. Replaced. Shaft Encoder OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shop Creek	Date:	15-Feb-11
Time:	11:24	Service Type:	Start Up
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
TB J 16621	1710
BY R 0223	1710

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1710	11:37	1		0
1710	11:38	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0223	13.13	

Problem:

Action Taken: startup. TB ok, BY ok, Txr ok. site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shop Creek	Date:	31-Oct-11
Time:	11:49	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, TB. Txr, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shop Creek	Date:	26-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	12:16
		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
1710	12:18	257		0
1710	12:18	258		0
1710	12:19	259		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	04-Nov-11
Service Type:	End of Season	Technician:	PB
			Time: 10:43
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 21423	9000
TB H 0635	9000
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	
1723	10:47	1307	6.36 psi	1289	
1723	10:48	404	1.98 psi	395	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	17-Jun-11
Time:	11:49	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1723	12:09	1021	4.99 psi	1039	
1723	12:10	453	2.21 psi	462	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	01-Jun-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	13:25
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0615	1720
BY R 0244	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1720	14:10	1		0
1720	14:15	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0615	13.00	

Problem: Battery declining.

Action Taken: Replaced battery. TB OK. cleared and flushed intake, good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck/Steele** Date: **02-Sep-11** Time: **13:22**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1723	0.011	0.0982	0.0221

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
1720	13:36	177		0
1720	13:36	180		0
1723	13:28	1825	9.01 psi	1874
1723	13:29	1419	7.02 psi	1460
1723	13:30	1025	5.08 psi	1057
1723	13:31	650	3.24 psi	675
1723	13:32	215	1.10 psi	230

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good (OK) hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 1723 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.0982), Std Error(0.0221), Calibration Date(9/2/2011 1:34:04 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	22-Feb-11
		Time:	14:20
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1720-0012-1112-11011
Jumpers:	W4,W10
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, TB, Desiccant and lowered PT. PT OK. Good Hydraulic Contact. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck/Steele** Date: **23-Feb-11** Time: **11:11**
 Service Type: **Start Up** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 21423	1720
TB H 0635	1720
BY R 0244	1720

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1723	0.011	-0.0221	0.0079

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1720-0012-1112-11011**
 Jumpers: **W4,W10**
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
1720	11:49	1		0
1720	11:50	3		0
1723	11:32	1914	9.23 psi	1867
1723	11:33	1437	6.93 psi	1403
1723	11:34	1016	4.90 psi	992
1723	11:35	614	2.95 psi	598
1723	11:36	204	0.97 psi	197

Battery Tests

Battery #	V Quiescent	V Load
BY R 0244	12.99	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 1723 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0221), Std Error(0.0079), Calibration Date(2/23/2011 11:37:21 AM)]}.

PT

TB good, Txr good, PT ok w/ re-cal. site ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek Park Date: 15-Mar-11 Time: 10:37
 Service Type: OneRain Service Ca Technician: SB/DP Status: OK

Configuration Changes

Part #	Location
PT D 3063737	1800
PT D 3069648	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1803	0.011	0.2395	0.0598

Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
1800	11:52	4		0
1800	11:52	5		0
1803	11:43	1968	9.81 psi	1948
1803	11:43	1382	6.93 psi	1374
1803	11:44	1033	5.20 psi	1031
1803	11:44	608	3.10 psi	614
1803	11:44	196	1.07 psi	210
1803	11:45	1130	5.69 psi	1131
1803	11:46	401	2.08 psi	401

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed new PT. Calibrated PT. Good hydraulic contact. 160 foot length. RF OK. TB OK.

{Auto Entry: Calibrated sensor 1803 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.2395), Std Error(0.0598), Calibration Date(3/15/2011 11:45:18 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	29-Aug-11
Time:	10:32	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1800	10:51	269		0	
1800	10:52	270		0	
1803	10:39	1129	5.72 psi	1136	
1803	10:40	445	2.33 psi	451	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. No hydraulic contact, dug up. Contact will likely sediment over again. Flushed OK on departure. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	15-Jun-11
		Time:	9:47
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1803	9:57	1011	5.01 psi	993	
1803	9:58	381	1.98 psi	380	
1803	10:00	1011	5.08 psi	1008	
1803	10:01	403	2.08 psi	400	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK. Initially very slow hydraulic contact. Dug around conduit, flushed several times. Hydraulic contact improved, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	27-Oct-11
		Time:	10:40
Service Type:	End of Season	Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1803	10:47	948	4.74 psi	938	
1803	10:49	395	1.98 psi	380	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	09-Mar-11
		Time:	10:14
Service Type:	Start Up	Technician:	DP
		Status:	PT Down

Configuration Changes	
Part #	Location
TX J 19661	1800
TB J 10736	1800
BY R 0809	1800

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1800-E00
Jumpers:	C: JB1,3,5 off JB 9,10 - 1,2
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1800	11:03	1		0
1800	11:03	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0809	13.04	

Problem:

Action Taken: Installed txr, battery , desiccant and TB. PT is bad. RF OK. TB OK. Will leave as rain only until PT can be replaced.

Site Notes:

Follow-Up: new PT

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	29-Sep-11
Time:	10:13	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Hydraulic contact acceptable. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	14-Jan-11
		Time:	9:49
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	3 and 5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1810	10:01	1		0	
1810	10:01	2		0	
1813	9:55	1048	5.03 psi	1039	
1813	9:56	429	2.04 psi	423	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	15-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	9:37
		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	9:54	269			0
1810	9:55	270			0
1813	9:45	1037	5.08 psi		1050
1813	9:46	419	2.08 psi		431

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	06-Apr-11
		Time:	12:12
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0306	1810
BY R 0843	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	3 and 5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
1810	12:28	1		0
1810	12:29	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0843	13.13	
BY R 0306	13.12	

Problem:

Action Taken: Dropped PT. Changed Battery and Desiccant. RF OK. PT OK. Solar OK. Dug out PT intake. Placed concrete block under intake to keep above sand flow. Will continue to monitor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	18-Nov-11
Service Type:	Inspection	Technician:	PB
		Time:	12:28
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0336	1810
BY R 0306	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1813	0.009	0.747	0.2156

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2746		75	4	0.00

Settings and Performance	
Switches:	
Jumpers:	3 and 5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1813	12:47	1013	5.33 psi	1100	
1813	12:48	470	2.69 psi	558	
1813	12:49	1735	8.86 psi	1828	
1813	12:50	1374	7.11 psi	1467	
1813	12:51	968	5.15 psi	1063	
1813	12:52	542	3.07 psi	636	
1813	12:53	133	1.09 psi	227	
1813	13:15	1969	7.59 psi	1471	
1813	13:16	1515	5.91 psi	1125	
1813	13:17	1122	4.46 psi	827	
1813	13:18	453	1.99 psi	319	
1813	13:19	56	0.53 psi	18	
1813	13:21	1246	4.93 psi	1249	
1813	13:22	458	2.02 psi	461	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0336	13.24	

Problem:

Action Taken: Changed battery, dessicant. PT tested outside acceptable range. PT has drifted past limits of sig. cond. Replace unit in spring. Recalibrated as close to proper zero point as possible. Tested txr, OK. TB OK. Solar OK.

{Auto Entry: Calibrated sensor 1813 by linear regression. Modified calibration data. New calibration [Slope(0.0085), Calibration Offset(0.7470), Std Error(0.2156), Calibration Date(11/18/2011 1:20:50 PM)]}.

Site Notes:

Follow-Up: Consider replacing PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	03-Nov-11
Service Type:	End of Season	Technician:	PB
		Time:	11:57
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15789	9000
TB J 8366	9000
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
1903	12:03	952	5.21 psi	946	
1903	12:04	374	2.02 psi	371	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	16-Feb-11
		Time:	10:17
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25153	1900
TB J 8366	1900
BY R 0511	1900

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1900-00E
Jumpers:	C:J6,1-2,J3,J5 off; L:J9,10
Eprom:	R 1.8-3min. 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1900	10:35	1		0
1900	10:35	2		0
1903	10:53	913	5.04 psi	916
1903	10:56	339	1.86 psi	342

Battery Tests		
Battery #	V Quiescent	V Load
TB J 8366	12.80	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	30-Jun-11
		Time:	9:06
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1900	9:11	156			0
1900	9:11	157			0
1900	9:11	158			0
1900	9:12	159			0
1900	9:13	160			0
1903	9:06	873	4.89 psi		888
1903	9:09	403	2.22 psi		408

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. TB cleaned.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	18-Jul-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:19
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15789	1900
BY R 0909	1900
TX J 25153	9000
BY R 0511	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
1900	11:37	1		0
1900	11:38	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0909	12.98	

Problem: Stopped reporting.

Action Taken: Battery dead, radio bad. Replaced txr and battery. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	29-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	11:51
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1900	11:59	32		0
1903	11:56	967	5.26 psi	956
1903	11:57	384	2.09 psi	384

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	29-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	12:29
		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
1920	12:31	1487		0
1920	12:32	1488		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 12:45 ID 1921 raw = didnot report => unknown RH 35% @13:01, ID 1922 raw = 142 => 62 deg. Psychrometer readings Td = 64 deg.F, Tw = 49 deg.F implying RH = 37% and dp = 37 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	03-Nov-11
Service Type:	Inspection	Technician:	PB
		Time:	10:24
		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:	1920
Jumpers:	
Eprom:	9601-01-N Ver 3.5R
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Txr OK. Solar OK. Wind OK. @ 10:36 ID 1921 raw = 139 => 54.51% RH, ID 1922 raw = 114 => 34 deg.F, psychrometer readings Td = 34 deg.F, Tw = 28 deg.F implying RH = 55% and dp = 28 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	17-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	10:39
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0901	1920

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1920
Jumpers:	
Eprom:	9601-01-N Ver 3.5R
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
1920	10:55	1223		0
1920	10:56	1224		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0901	12.90	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 10:59 ID 1921 raw = 94 -> 36.86% RH, ID 1922 raw = 131 => 51 deg.F, psychrometer readings Td = 51 deg.F, Tw = 40 deg.F implying RH = 39% and dp = 27 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	30-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	12:32
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1920	12:36	1380		0
1920	12:43	1381		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Solar OK. TB OK. @ 11:03 ID 1921 raw =61 => 24% RH, ID 1922 raw = 171 => 49 deg.F, psychrometer readings Td = 91 deg.F, Tw = 63 deg.F implying RH = 22% and dp = 47 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Squaw Mountain	Date:	13-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	9:43
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 9:51 ID 2191 raw = 56 => 56 % RH, ID 2192 raw = 85 => 45 deg.F., psychrometer readings
Td = 47 deg.F, Tw = 40 deg.F implying RH =0% and dp = 34 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Squaw Mountain	Date:	21-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	9:40
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1129	2190
BY R 0823	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
2190	10:15	831		0
2190	10:16	833		0
2190	10:16	834		0
2190	10:19	835		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. @ 9:59 ID 2191 raw = 43 => 43% RH, ID 2192 raw = 99 => 59 deg.F, psychrometer readings Td = 61 deg.F, Tw = 48 deg.F implying RH = 44% and dp = 39 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hiwan	Date:	13-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	10:41
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2210	10:45	602		0
2210	10:45	603		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:28 ID 2211 raw = 52 => 52% RH, ID 2212 raw = 103 => 63 deg.F, psychrometer readings Td = 62 deg.F, Tw = 52 deg.F implying RH = 54 % and dp = 45 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:	Hiwan	Date:	29-Jun-11
Service Type:	Inspection	Technician:	PB
		Time:	13:08
		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: Solar OK. TB OK. @ 1:14 ID 2211 raw = 20 => 20% RH, ID 2212 raw = 120 => 80 deg.F, psychrometer readings Td = 79 deg.F, Tw = 55 deg.F implying RH = 21% and dp = 36 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hiwan** Date: **16-Mar-11** Time: **10:49**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0619	2210
BY R 0930	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches:
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.7**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2210	11:03	308		0
2210	11:03	309		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0619	12.98	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 11:00 ID 2211 rwa = 15 => 15% RH, ID 2212 raw = 99 => 59 deg.F, psychrometer readings Td =58 deg.F, Tw = 40 deg.F implying RH = 20% and dp = 17 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hiwan	Date:	11-Oct-11
Service Type:	Inspection	Technician:	SB/ZC
		Time:	11:28
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0417	2210
BY R 0619	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
2210	11:54	625		0
2210	11:54	626		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0417	12.83	

Problem:

Action Taken: @ 11:48 site read 58 AT and 32 RH pycromter read 57 AT and 35 RH. Anometer OK, freedom of movement. RH OK. T OK. Fuel Moisture OK. Solar OK. Replaced battery and desiccant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Evergreen Lake** Date: **16-Mar-11** Time: **13:06**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0930	2220
BY R 1037	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **2220-0002-1112-11011**
Jumpers: **W10,W4**
Eprom: **B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 0930	13.07	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Unable to test PT, lake frozen.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Evergreen Lake	Date: 11-Oct-11	Time: 10:31	
Service Type: End of Season	Technician: PB	Status: Site Down	

Configuration Changes	
Part #	Location
TX J 8745	9000
BY R 0930	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: Site found to be vandalized. Gate knocked down. Antenna wrapped around PT conduit. Could not receive te test PT. Removed txr, battery. Raised PT.

Site Notes:

Follow-Up: Replace antenna. Gate will need reinstallation.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	29-Jun-11
Time:	10:40	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2223	10:54	1126	5.00 psi	1120	
2223	10:55	454	2.01 psi	455	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	13-Sep-11
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	
2223	11:41	1142	5.05 psi	1130	
2223	11:42	467	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: **21-Jul-11** Time: **11:13**
Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1130	2230
BY R 9733	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
2230	11:21	2		0
2230	11:22	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1130	13.11	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Cub** Date: **13-Sep-11** Time: **11:23**
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
2230	11:28	49		0
2230	11:28	50		0
2233	11:26	1138	5.08 psi	1119
2233	11:27	503	2.05 psi	489

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:	Bear Creek @ Cub	Date:	29-Jun-11
Time:	10:31	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2230	10:36	181		0	
2230	10:36	182		0	
2233	10:34	1111	4.98 psi	1099	
2233	10:35	517	2.12 psi	503	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Cub	Date:	11-Oct-11
Service Type:	End of Season	Time:	10:07
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25158	9000
TB H 514	9000
BY R 9733	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2233	10:12	1263	5.69 psi	1245	
2233	10:13	547	2.26 psi	532	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cold Spring Glch	Date:	11-Oct-11
		Time:	12:45
Service Type:	End of Season	Technician:	SB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25150	9000
TB H 560	9000
BY R 0408	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2240-0012-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission					
Port	Time	Count	Measure	Predicted	
2243	12:53	1213	5.83 psi	1202	
2243	12:54	530	2.55 psi	528	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, desicant, transmitter. Pulled up PT for winter. PT OK.

Site Notes:

Follow-Up: Wasps in antena mast

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Cold Spring Glch Date: 16-Mar-11 Time: 11:03
Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TB H 560	2240
BY R 0408	2240
TB H 514	9000
BY R 0333	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 2240-0012-1112-11011
 Jumpers: W10,W4
 Eprom: B
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 5.0
 Rev Power: 0.1
 SWR: 1.33

Test Transmission

Port	Time	Count	Measure	Predicted
2240	11:24	1		0
2240	11:24	2		0
2240	11:25	3		0
2243	11:14	1428	6.94 psi	1431
2243	11:15	464	2.26 psi	467

Battery Tests

Battery #	V Quiescent	V Load
BY R 0408	12.87	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, TB, and Dropped PT. Flushed intake. RF OK. PT OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Cold Spring Glch Date: 21-Jul-11 Time: 14:03
Service Type: OneRain Service Ca Technician: DP Status: OK

Configuration Changes

Part #	Location
BY R 1131	2240
BY R 0408	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
2240	14:07	1		0
2240	14:08	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1131	13.15	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cold Spring Glch	Date:	29-Jun-11
		Time:	10:07
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2240	10:16	183		0	
2240	10:16	184		0	
2243	10:11	991	4.83 psi	996	
2243	10:12	481	2.35 psi	487	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested 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: 13-Sep-11 Time: 12:29
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
2240	12:38	42		0
2240	12:38	43		0
2243	12:34	1038	5.02 psi	1037
2243	12:35	423	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-Jun-11	Time: 12:16	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2250	12:26	183			0
2253	12:23	1071	5.07 psi		1065
2253	12:24	526	2.45 psi		523

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested 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: 16-Mar-11

Time: 11:32

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX J 21421	2250
TB H 551	2250
BY R 0321	2250

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 2250-0012-1112-11011
 Jumpers:
 Eprom: B
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.7
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
2250	11:52	1		0
2250	11:52	2		0
2253	11:48	1070	5.06 psi	1061
2253	11:49	446	2.07 psi	445

Battery Tests

Battery #	V Quiescent	V Load
BY R 0321	13.04	

Problem:

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

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Rosedale** Date: **13-Sep-11** Time: **11:01**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2250	11:10	367		0
2250	11:11	368		0
2253	11:05	1114	5.28 psi	1106
2253	11:06	432	2.00 psi	432

Battery Tests

Battery # V Quiescent V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rosedale	Date:	11-Oct-11
Service Type:	End of Season	Technician:	PB
		Time:	13:12
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 21421	9000
TB H 551	9000
BY R 0321	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2253	13:15	1140	5.44 psi	1141	
2253	13:16	456	2.14 psi	459	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brook Forest	Date:	16-Mar-11
		Time:	13:08
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25149	2260
TB H 1175	2260
BY R 0841	2260

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2260-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
2260	13:24	4		0
2260	13:24	5		0

Battery Tests		
Battery #	V Quiescent	V Load
TX J 25149	12.90	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brook Forest	Date:	11-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 12:31
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25149	9000
TB H 1175	9000
BY R 0841	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2260-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brook Forest	Date:	22-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	9:33
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1135	2260
BY R 0841	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2260-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
2260	9:41	1		0
2260	9:41	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1135	13.12	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cub Ck below Blue	Date:	04-Aug-11
		Time:	10:55
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	PT Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2270	12:13	46		0
2270	12:13	47		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Stage readings abnormal.

Action Taken: PT bad. Initial zero pressure read 137 later dropped to 80 then 40, unstable, beyond possibility of adjustment.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: **13-Sep-11** Time: **12:09**
Service Type: **Inspection** Technician: **DP** Status: **PT Down**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2270	12:10	71		0
2270	12:11	73		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:	Cub Ck below Blue	Date:	21-Jul-11
		Time:	11:46
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
2270	13:32	1		0
2270	13:34	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: TB bad.

Action Taken: Replaced TB with HSE unit. Found 2 open traces on connector board, repaired. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cub Ck below Blue	Date:	16-Mar-11
		Time:	13:41
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25146	2270
TB H 9401	2270
BY R 0301	2270

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2270-0012-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
2270	14:02	1		0	
2270	14:02	2		0	
2273	13:52	1049	5.07 psi	1046	
2273	13:53	374	1.79 psi	372	

Battery Tests		
Battery #	V Quiescent	V Load
TB H 9401	13.00	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, TB, and dropped PT. PT OK. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cub Ck below Blue** Date: **29-Jun-11** Time: **11:18**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2273	11:20	1040	5.02 psi	1037
2273	11:21	473	2.00 psi	415

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact. TB not working, no spare on hand. Replace TB on future visit.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cub Ck below Blue	Date:	11-Oct-11
		Time:	11:53
Service Type:	End of Season	Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25146	9000
TB H 9401	9000
BY R 0301	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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 to be replaced. Did not test. Rasied PT. Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kinney Peak	Date:	11-Oct-11
Service Type:	End of Season	Technician:	PB
		Time:	11:19
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25157	9000
TB H 616	9000
BY R 0212	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: Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Kinney Peak** Date: **16-Mar-11** Time: **12:19**
Service Type: **Start Up** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25157	2280
TB H 616	2280
BY R 0212	2280

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2280-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.1**
 SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
2280	12:31	1		0
2280	12:31	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0212	13.00	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Kinney Peak** Date: **22-Jul-11** Time: **10:17**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2280	10:20	284		0
2280	10:20	285		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: **Genesee Village** Date: **21-Jun-11** Time: **9:49**
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: **2310-0012-0112-11011**
Jumpers:
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
2310	9:51	163		0
2310	9:52	164		0
2310	9:53	165		0

Battery Tests

Battery # V Quiescent V Load

Problem: missed rain event.

Action Taken: Pine needle stuck in TB, Removed. B OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Genesee Village** Date: **16-Mar-11** Time: **9:27**
Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 25156	2310
TB H 561	2310
BY R 0348	2310

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2310-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.8**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
2310	9:42	1		0
2310	9:42	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0348	12.97	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Genesee Village	Date:	10-Oct-11
Service Type:	End of Season	Technician:	SB
			Time: 12:46
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25156	9000
TB H 561	9000
BY R 0348	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2310-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, TB, and TXR for season. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Genesee Village** Date: **21-Jul-11** Time: **8:18**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0905	2310
BY R 0348	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

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

Test Transmission

Port	Time	Count	Measure	Predicted
2310	8:25	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0905	13.11	

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Choke Cherry Res	Date:	21-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	8:35
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2320	8:36	304		0
2320	8:37	305		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:	Choke Cherry Res	Date:	11-Oct-11
		Time:	9:35
Service Type:	Inspection	Technician:	SB/ZC
		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:	2320 J
Tx Freq:	169.525
Rx Freq:	169.525
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
2320	9:40	372		0
2320	10:03	373		0
2320	10:04	374		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Checked solar. Replaced desiccant. RF OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Choke Cherry Res	Date:	16-Mar-11
		Time:	9:52
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	2320 J
Tx Freq:	169.525
Rx Freq:	169.525
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
2320	10:07	1		0
2320	10:08	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. TB OK. Corrected status reporting from 3 hr to 12 hr. Replaced desiccant in rptr. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	07-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	13:51
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
2333	0.01	-0.1614	0.0343

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:06	336			0
2330	14:07	338			0
2333	13:58	1974	8.33 psi		1941
2333	13:59	1657	6.98 psi		1626
2333	14:00	1195	5.02 psi		1170
2333	14:01	758	3.16 psi		736
2333	14:02	261	1.04 psi		243
2333	14:04	1236	5.19 psi		1238
2333	14:05	491	2.02 psi		491

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated, Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 2333 by linear regression. Modified calibration data. New calibration [Slope(0.0098), Calibration Offset(-0.1614), Std Error(0.0343), Calibration Date(9/7/2011 2:03:25 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	16-Mar-11
Time:	10:09	Service Type:	Start Up
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1029	2330
BY R 1010	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2330-00E
Jumpers:	C:J1,1-2,J3,5on;L:J1,4,6,1
Eprom:	R 1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
2330	10:24	1		0	
2330	10:24	2		0	
2333	10:13	1207	5.17 psi	1205	
2333	10:14	483	2.05 psi	479	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced Battery and desiccant. RF OK. TB OK. PT OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	11-Oct-11
Time:	14:00	Status:	Site Down
Service Type:	End of Season	Technician:	PB

Configuration Changes	
Part #	Location
TX J 6713	9000
TB H 555	9000
BY R 1029	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	
2333	14:04	1209	5.15 psi	1229	
2333	14:05	551	2.33 psi	566	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	29-Jun-11
Time:	9:14	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2330	9:21	199		0	
2330	9:22	200		0	
2333	9:19	1161	5.02 psi	1170	
2333	9:20	500	2.17 psi	507	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	El Rancho	Date:	10-Oct-11
Service Type:	End of Season	Time:	12:25
		Technician:	SB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 23326	9000
TB J 23084	9000
BY R 0605	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2340-3-D
Jumpers:	C:J6,1-2,J5off;L:J9,10,1-2,
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted
2340	12:27	310		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Battery, TB, and TXR for searson. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: El Rancho

Date: 16-Mar-11

Time: 10:22

Service Type: Start Up

Technician: DP

Status: OK

Configuration Changes

Part #	Location
TX J 23326	2340
TB J 23084	2340
BY R 0605	2340

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 2340-3-D
 Jumpers: C:J6,1-2,J5off;L:J9,10,1-2,
 Eprom: R 1.8 9CA1
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.6
 Rev Power: 0.1
 SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
2340	10:33	1		0
2340	10:33	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0605	13.03	

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

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	El Rancho	Date:	21-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	8:51
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2340	8:52	251		0
2340	8:52	252		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:	Idledale	Date:	22-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	11:11
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2350	11:12	263		0
2350	11:12	264		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:	Idledale	Date:	11-Oct-11
Service Type:	End of Season	Technician:	SB/ZC
			Time: 13:23
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25147	9000
TB H 552	9000
BY R 0338	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2350-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
2350	13:27	336		0
2350	13:28	337		0
2350	13:28	338		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TB, battery and transmitter. Trimed tree. RF OK

Site Notes:

Follow-Up: Continue to check tree for growth covering rain catch

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Idledale	Date: 16-Mar-11	Time: 10:39	
Service Type: Start Up	Technician: SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 25147	2350
TB H 552	2350
BY R 0338	2350

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2350-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
2350	10:50	1		0
2350	10:50	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0338	12.97	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and TB. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Indian Hills	Date:	16-Mar-11
Service Type:	Start Up	Technician:	SB
			Time: 11:41
			Status: OK

Configuration Changes	
Part #	Location
TX J 25152	2360
TB H 557	2360
BY R 9619	2360

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2360-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
2360	11:50	1		0
2360	11:52	2		0
2360	11:53	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9619	12.73	

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and TB. RF OK. TB OK. Cleaned funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Indian Hills	Date:	22-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	10:47
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1133	2360
BY R 9619	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2360-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
2360	10:54	1		0
2360	10:54	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Battery low.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Indian Hills	Date:	11-Oct-11
Service Type:	End of Season	Time:	9:43
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25152	9000
TB H 557	9000
BY R 9619	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2360-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, TB, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	16-Mar-11
		Time:	9:30
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25148	2370
TB H 467	2370
BY R 0310	2370

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2370-0012-1112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure	Predicted	
2370	9:56	1			0
2373	9:49	1256	5.94 psi		1258
2373	9:50	569	2.62 psi		569

Battery Tests		
Battery #	V Quiescent	V Load
TB H 467	12.90	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Red Rocks	Date: 07-Sep-11	Time: 13:22	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
2373	0.011	-0.4924	0.1773

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2370	13:41	312			0
2370	13:41	313			0
2373	13:31	1158	5.34 psi		1134
2373	13:32	1934	9.13 psi		1922
2373	13:33	1491	6.92 psi		1463
2373	13:34	1083	4.97 psi		1057
2373	13:35	684	3.07 psi		662
2373	13:36	261	1.05 psi		242
2373	13:37	26	-0.07 psi		9
2373	13:38	1158	5.33 psi		1152
2373	13:39	498	2.18 psi		497

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact. TB OK.

{Auto Entry: Calibrated sensor 2373 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.4924), Std Error(0.1773), Calibration Date(9/7/2011 1:37:39 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	11-Oct-11
Service Type:	End of Season	Time:	14:06
		Technician:	SB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25148	9000
TB H 467	9000
BY R 0310	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2370-0012-1112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
2373	14:12	892	4.15 psi	908	
2373	14:13	445	2.01 psi	462	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TB, Battery, and TXR. PT OK. RF OK.

Site Notes:

Follow-Up: Calibrate in spring

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Red Rocks** Date: **29-Jun-11** Time: **9:34**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2373	9:40	1021	4.81 psi	1023
2373	9:41	509	2.34 psi	510

Battery Tests

Battery # V Quiescent V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Crescent Rain	Date:	30-Mar-11
		Time:	9:49
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1111	4010
BY R 0349	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4010
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4010	10:03	1		0
4010	10:03	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1111	13.01	

Problem:

Action Taken: changed batt, decsc., txr ok, tb ok. site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Crescent Rain	Date:	25-Apr-11
		Time:	11:35
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
4010	11:34	11		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Missed rain event.

Action Taken: TB funnel had a pine needle stuck in it. Removed, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Crescent Rain	Date:	02-Aug-11
		Time:	9:53
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
4010	9:57	233		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:	Crescent Rain	Date:	12-Oct-11
Time:	10:49	Service Type:	Inspection
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1036	4010
BY R 1111	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8695	5.00	280	4	0.00

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 1036	12.92	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rio Grande Rain	Date:	12-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	11:41
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0415	4020
BY R 0945	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8765	5.00	5	130	0.00

Settings and Performance	
Switches:	4020-00E
Jumpers:	C:J5 off
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0415	12.94	

Problem:

Action Taken: Changed battery, desscant. Tested txr. Txr OK, TB OK, Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rio Grande Rain	Date:	02-Aug-11
		Time:	10:10
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4020	10:15	278		0
4020	10:15	279		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:	Rio Grande Rain	Date:	30-Mar-11
		Time:	10:41
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0945	4020
BY R 0634	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4020-00E
Jumpers:	C:J5 off
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4020	10:58	1		0
4020	10:58	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0945	12.87	

Problem:

Action Taken: changed batts, desc., txr ok, tb ok. site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Garden Rain	Date:	01-Apr-11
		Time:	9:45
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1006	4030
BY R 1036	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4030-00e
Jumpers:	C: J5 off
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4030	10:21	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1006	12.59	

Problem:

Action Taken: replaced batt, desc, txr ok, tb ok, site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Red Garden Rain** Date: **14-Oct-11** Time: **11:25**
Service Type: **Inspection** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 0416	4030
BY R 1006	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2175		112	4.5	0.00

Settings and Performance

Switches: **4030-00e**
Jumpers: **C: J5 off**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **3.0**
Rev Power: **0.1**
SWR: **1.45**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 0416	12.83	

Problem:

Action Taken: Changed battery and dessicant. Tested Txr, Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Garden Rain	Date:	11-Aug-11
		Time:	9:49
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4030	9:58	302		0
4030	9:58	302		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:	Martin Gulch	Date:	31-Mar-11
Service Type:	Inspection	Technician:	PB
		Time:	9:33
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0412	4040

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4040-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4040	9:48	1		0
4040	9:49	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0412	13.01	

Problem:

Action Taken: replaced batt, desc, txr ok, tb ok, site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Martin Gulch	Date:	12-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:54
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0404	4040
BY R 0412	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8764	5.00	126	4.5	0.00

Settings and Performance	
Switches:	4040-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0412	12.80	

Problem:

Action Taken: Changed battery, dessicant. Tested Txr, Txr OK. Tested Solar, Solar OK. TB OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Martin Gulch	Date:	02-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	11:14
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4040	11:16	288		0
4040	11:16	289		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:	Walker Ranch	Date:	02-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	10:53
		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
4050	10:56	200		0
4050	10:57	201		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:	Walker Ranch	Date:	12-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:03
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0913	4050
BY R 1106	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8768	5.00	4.5	160	0.00

Settings and Performance	
Switches:	4050-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0913	12.88	

Problem:

Action Taken: Changed battery and dessicant. Tested Txr. Txr OK. TB OK, Solar OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Walker Ranch	Date:	31-Mar-11
Time:	10:29		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 1106	4050
BY R 1016	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 1106	13.05	

Problem:

Action Taken: replaced batt, desc, txr ok, tb ok site good.0

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Walker Ranch	Date:	31-Mar-11
		Time:	10:37
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4050-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1106	13.06	

Problem:

Action Taken: replaced batt, desc, txr ok, tb ok site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakeshore	Date:	31-Mar-11
Service Type:	Inspection	Time:	12:37
		Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1107	4060
BY R 0405	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4060-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	12.0
Rev Power:	0.1
SWR:	1.2

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1107	13.18	

Problem:

Action Taken: replaced batt., desc., txr ok, tb ok site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakeshore	Date:	02-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	10:41
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4060	10:46	256		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:	Lakeshore	Date:	12-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	13:11
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0403	4060
BY R 1107	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9757	5.00	120	4.5	0.00

Settings and Performance	
Switches:	4060-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0403	12.95	

Problem:

Action Taken: Changed battery, dessicant. Tested txr. Txr OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Peak	Date:	31-Mar-11
		Time:	8:36
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0603	4070
BY R 1015	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	07
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4070	8:54	1		0
4070	8:54	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0603	13.20	

Problem:

Action Taken: replaced batt., desc., tb ok, txr ok.
top section needs captive nuts. left screws loose for future maintenance.

Site Notes: bring tools + replacement captive nuts.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Peak	Date:	14-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	12:53
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0625	4070
BY R 0603	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9759		162	5	0.00

Settings and Performance	
Switches:	07
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1131	12.96	
BY R 0625	12.96	

Problem:

Action Taken: Changed battery and dessicant. Tested Txr, Txr OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Peak	Date:	02-Aug-11
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
4070	11:49	265		0
4070	11:50	266		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:	Twin Sisters	Date:	18-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	11:09
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0310	4080

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8763	5.00	49	4.5	0.00

Settings and Performance	
Switches:	4080-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4080	11:27	1		0
4080	11:27	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0310	13.02	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Twin Sisters	Date:	05-Apr-11
Service Type:	Inspection	Technician:	PB
		Time:	11:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1034	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4080-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	22.0
Rev Power:	2.0
SWR:	1.86

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: replaced batt, decs, txr ok, tb ok. site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Twin Sisters	Date:	09-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	10:20
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4080	10:21	421		0
4080	10:21	422		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes: Access OK, stop at house first, if not home procede. Building new house next year.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Magnolia	Date:	14-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0254	4090
BY R 1028	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8757		45	4.5	

Settings and Performance	
Switches:	09
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0254	12.70	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, txr OK. TB OK. Solar Not connected on arrival.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Magnolia** Date: **09-Aug-11** Time: **10:32**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
4090	10:37	275		0
4090	10:37	276		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: **Magnolia** Date: **11-Apr-11** Time: **10:37**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1028	4090
BY R 0919	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **09**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4090	10:53	1		0
4090	10:54	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1028	13.00	

Problem:

Action Taken: Replaced battery, dessicant. TB leveled, OK. Txr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Filter Plant	Date: 31-Mar-11	Time: 11:31
Service Type: Inspection	Technician: DP	Status: OK

Configuration Changes

Part #	Location
BY R 1109	4100
BY R 1027	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4100-E00**
 Jumpers: **JB7 on**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4100	11:41	1		0
4100	11:41	2		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Filter Plant	Date:	09-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	13:06
		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

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: **Filter Plant** Date: **18-Oct-11** Time: **12:00**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0226	4100
BY R 1109	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2186	5.00	241	4	0.00

Settings and Performance

Switches: **4100-E00**
Jumpers: **JB7 on**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4100	12:11	1		0
4100	12:12	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0226	12.74	

Problem:

Action Taken: Replaced battery, desicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Betasso	Date:	18-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	13:22
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1131	4110
BY R 1117	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2180	5.00	58	4	0.00

Settings and Performance	
Switches:	.1
Jumpers:	JB5 off,JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4110	13:35	1		0
4110	13:35	4		0
4110	13:36	5		0
4110	13:36	6		0
4110	13:36	7		0
4110	13:37	8		0
4110	13:37	9		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1131	13.02	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Betasso	Date:	09-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	12:48
		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
4110	12:50	241		0
4110	12:51	243		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:	Betasso	Date:	31-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	12:12
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1117	4110

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.1
Jumpers:	JB5 off,JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4110	12:24	1		0
4110	12:24	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Swiss Peaks	Date:	18-Oct-11
Time:	15:16	Status:	OK
Service Type:	Inspection	Technician:	PB

Configuration Changes	
Part #	Location
BY R 9733	4130
BY R 1114	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2184		148	4	0.00

Settings and Performance	
Switches:	4130
Jumpers:	JB5 off,JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.8
Rev Power:	0.1
SWR:	1.39

Test Transmission				
Port	Time	Count	Measure	Predicted
4130	15:34	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1114	12.84	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Swiss Peaks	Date:	09-Aug-11
Time:	11:58		
Service Type:	Inspection	Technician:	DP
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4130	12:04	280		0
4130	12:04	281		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:	Swiss Peaks	Date:	31-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	12:56
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1114	4130
BY R 1025	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4130
Jumpers:	JB5 off,JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4130	13:19	1		0
4130	13:19	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Logan Mill	Date:	29-Mar-11
Time:	14:46	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 0836	4140
BY R 0822	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4140	14:58	72		0
4140	15:00	73		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0822	13.01	

Problem:

Action Taken: changed batt, decsc., txr ok, tb ok. site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Logan Mill	Date:	09-Aug-11
Time:	13:49	Service Type:	Inspection
Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4140	13:50	326		0
4140	13:50	327		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: **Logan Mill** Date: **07-Nov-11** Time: **10:24**
 Service Type: **Inspection** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1035	4140
BY R 0836	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9758		239	4	0.00

Settings and Performance

Switches: **4140-00E**
 Jumpers: **C:J5 off; L:J7,11 on**
 Eprom: **R 1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **21.0**
 Rev Power: **0.5**
 SWR: **1.36**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 1035	13.25	

Problem:

Action Taken: Replaced battery and dessicant. Tested TXR, TXR OK. Antenna OK, solar OK. TB OK

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill	Date:	16-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	13:58
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4150	14:00	266		0
4150	14:00	267		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:	Gold Hill	Date:	29-Mar-11
Time:	13:21	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1105	4150
BY R 0306	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	15
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	10.0
Rev Power:	0.1
SWR:	1.22

Test Transmission				
Port	Time	Count	Measure	Predicted
4150	13:41	1		0
4150	13:41	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0306	13.16	

Problem:

Action Taken: replaced batt, desc. txr ok,tb ok, site good.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill	Date:	19-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	13:41
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1133	4150
BY R 1105	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9762	5.00	236	4.1	

Settings and Performance	
Switches:	15
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted
4150	14:00	1		0
4150	14:00	2		0
4150	14:01	3		0
4150	14:01	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1133	13.20	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sunshine	Date:	29-Mar-11
Service Type:	Inspection	Technician:	PB
		Time:	11:29
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1101	4160
BY R 0422	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4160
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.1
Rev Power:	0.1
SWR:	1.37

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1101	13.09	

Problem:

Action Taken: changed batt., des. txr ok, tb level, ok, site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sunshine	Date:	16-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	11:38
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4160	11:42	303		0
4160	11:43	304		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:	Sunshine	Date:	19-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	15:12
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1112	4160
BY R 1101	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8767		164	4	0.00

Settings and Performance	
Switches:	4160
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4160	15:29	1		0
4160	15:29	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Pinebrook	Date:	02-Aug-11
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
4170	13:00	196		0
4170	13:00	197		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:	Pinebrook	Date:	01-Apr-11
Service Type:	Inspection	Time:	9:55
		Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0918	4170
BY R 0913	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4170-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	6.0
Rev Power:	0.2
SWR:	1.45

Test Transmission				
Port	Time	Count	Measure	Predicted
4170	10:11	1		0
4170	10:12	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0918	13.07	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Pinebrook	Date: 07-Nov-11	Time: 11:32	
Service Type: Inspection	Technician: ZC/PB	Status: OK	

Configuration Changes	
Part #	Location
BY R 0838	4170
BY R 0918	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2177		240	4.5	0.00

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4170	11:46	1		0
4170	11:47	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0838	13.01	

Problem:

Action Taken: Replaced battery and dessicant. Tested TXR, TXR OK. Antenna OK, TB OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Lake	Date:	02-Jun-11
Service Type:	Inspection	Technician:	DP/PB
		Time:	10:54
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0337	4180

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0918
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.1
SWR:	1.15

Test Transmission				
Port	Time	Count	Measure	Predicted
4180	11:05	1		0
4180	11:07	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0337	13.27	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	08-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	13:46
		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
4190	13:49	123		0
4190	13:49	124		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:	Slaughterhouse	Date:	02-Jun-11
Service Type:	Inspection	Technician:	DP/PB
		Time:	12:59
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0919	4190

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0F19
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.2
SWR:	1.22

Test Transmission				
Port	Time	Count	Measure	Predicted
4190	13:16	1		0
4190	13:17	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0919	12.84	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	25-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	14:27
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1040	4190
BY R 0919	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8760		134	4	0.00

Settings and Performance	
Switches:	0F19
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted
4190	14:43	1		0
4190	14:43	2		0
4190	14:44	3		0
4190	14:44	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1040	13.08	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lazy Acres	Date:	02-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	13:29
		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
4200	13:33	274		0
4200	13:34	275		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: **Lazy Acres** Date: **21-Oct-11** Time: **14:02**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1029	4200
BY R 1037	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2683	5.00	242	6	0.00

Settings and Performance

Switches: **4200-E00**
Jumpers: **JB5 off, JB7 on**
Eprom: **585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
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Battery Tests

Battery #	V Quiescent	V Load
BY R 1029	13.16	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, deviation high. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lazy Acres	Date:	29-Mar-11
Service Type:	Inspection	Time:	10:24
		Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1037	4200
BY R 0905	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4200-E00
Jumpers:	JB5 off, JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1037	13.24	

Problem:

Action Taken: changed battery, dessicant. tb level, txr ok, site ok

Site Notes: add screw to funnel section

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flings	Date:	02-Jun-11
Service Type:	Inspection	Technician:	DP/PB
		Time:	11:32
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1015	4220
BY R 0347	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0A22
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	18.0
Rev Power:	1.0
SWR:	1.62

Test Transmission				
Port	Time	Count	Measure	Predicted
4220	11:40	2		0
4220	11:40	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1015	13.08	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flings	Date:	08-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	12:16
		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
4220	12:17	114		0
4220	12:18	115		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:	Flings	Date:	07-Nov-11
Service Type:	Inspection	Technician:	ZC/PB
		Time:	13:32
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0617	4220
BY R 1015	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8758		95	4	0.00

Settings and Performance	
Switches:	0A22
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted
4220	13:39	1		0
4220	13:42	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0617	13.04	

Problem:

Action Taken: Replaced battery and dessicant. Tested TXR, TXR OK. Antena OK, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flings	Date:	28-Jan-11
Service Type:	Inspection	Technician:	SB/PB
			Time: 12:14
			Status: OK

Configuration Changes	
Part #	Location
BY R 0347	4220
BY R 0310	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0A22
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.1
SWR:	1.15

Test Transmission				
Port	Time	Count	Measure	Predicted
4220	12:27	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0347	12.70	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Golden Age** Date: **25-Oct-11** Time: **13:16**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1120	4230
BY R 1035	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1854		163	4	0.00

Settings and Performance

Switches: **4230-00E**
 Jumpers:
 Eprom: **R1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **16.3**
 Rev Power: **0.2**
 SWR: **1.25**

Test Transmission

Port	Time	Count	Measure	Predicted
4230	13:36	1		0
4230	13:37	2		0
4870	13:39	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1120	13.13	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Golden Age	Date:	08-Aug-11
Time:	13:19	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
4230	13:20	169		0
4230	13:21	170		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Golden Age**Date: **11-Apr-11**Time: **13:04**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 1035	4230
BY R 0507	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4230-00E**
 Jumpers:
 Eprom: **R1.8 57FE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **26.0**
 Rev Power: **0.2**
 SWR: **1.19**

Test Transmission

Port	Time	Count	Measure	Predicted
4230	13:19	1		0
4230	13:19	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1035	13.05	

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

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Sunset	Date: 19-Oct-11	Time: 14:18	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location
BY R 1127	4240
BY R 1110	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9761	5.00	88	4	0.00

Settings and Performance	
Switches:	4240-00E
Jumpers:	C:J5 off L:J7,11
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	13.0
Rev Power:	0.1
SWR:	1.19

Test Transmission				
Port	Time	Count	Measure	Predicted
4240	14:33	1		0
4240	14:35	2		0
4240	14:35	3		0
4711	14:35	76		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1127	13.20	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sunset	Date:	16-Aug-11
Time:	12:17	Service Type:	Inspection
Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4240	12:19	191		0
4240	12:20	192		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:	Sunset	Date:	29-Mar-11
		Time:	12:38
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1110	4240
BY R 0412	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4240-00E
Jumpers:	C:J5 off L:J7,11
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4240	12:51	1		0
4240	12:53	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1110	13.24	

Problem:

Action Taken: changed batt, desc, site ok txr ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sunset** Date: **28-Jan-11** Time: **11:38**
Service Type: **Inspection** Technician: **SB/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0412	4240
BY R 1017	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4240-00E**
Jumpers: **C:J5 off L:J7,11**
Eprom: **R 1.8 57FE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **18.0**
Rev Power: **0.1**
SWR: **1.16**

Test Transmission

Port	Time	Count	Measure	Predicted
4240	11:48	1		0
4240	11:50	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0412	12.80	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Geer Canyon	Date: 21-Oct-11	Time: 10:23	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location
BY R 0945	4250
BY R 0431	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8744	4.90	136	4	0.00

Settings and Performance	
Switches:	4250-00E
Jumpers:	C: J6,1-2,J5 off;L:J1,4,7,1
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4250	10:50	1		0
4250	10:51	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0945	12.88	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Geer Canyon	Date:	01-Aug-11
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
4250	10:53	246		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: Geer Canyon	Date: 23-Mar-11	Time: 14:01	
Service Type: Start Up	Technician: SB/PB	Status: OK	

Configuration Changes	
Part #	Location
BY R 0431	4250

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4250-00E
Jumpers:	C: J6,1-2,J5 off;L:J1,4,7,1
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
4250	14:16	1		0
4250	14:16	2		0
4250	14:19	3		0
4250	14:19	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0434	13.14	
BY R 0431	13.10	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Taylor Mountain	Date:	08-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	11:09
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1121	4260
BY R 0302	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
4260	11:19	1		0
4260	11:19	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1121	13.06	

Problem: Battery declining.

Action Taken: Relaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Taylor Mountain	Date:	24-Oct-11
Time:	13:16	Service Type:	Inspection
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1114	4260
BY R 0302	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529	5.00	148	4	0.00

Settings and Performance	
Switches:	4260-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted
4260	13:31	1		0
4260	13:31	2		0
4260	13:32	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1114	13.12	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Taylor Mountain	Date:	12-Apr-11
		Time:	12:38
Service Type:	Inspection	Technician:	DP/PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0302	4260
BY R 0939	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4260-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.1
SWR:	1.15

Test Transmission				
Port	Time	Count	Measure	Predicted
4260	12:48	1		0
4260	12:48	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0302	13.06	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cannon Mountain	Date:	25-Oct-11
Time:	11:42	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1101	4270
BY R 0335	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529		152	4	0.00

Settings and Performance	
Switches:	.8
Jumpers:	
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted
4270	12:01	1		0
4270	12:01	2		0

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

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Solar OK, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cannon Mountain	Date:	08-Aug-11
Time:	12:36		
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
4270	12:37	97		0
4270	12:38	98		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:	Cannon Mountain	Date:	02-Jun-11
Time:	12:21	Status:	OK
Service Type:	Inspection	Technician:	DP/PB

Configuration Changes	
Part #	Location
BY R 0335	4270

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.8
Jumpers:	
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	25.0
Rev Power:	0.2
SWR:	1.2

Test Transmission				
Port	Time	Count	Measure	Predicted
4270	12:31	1		0
4270	12:31	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0335	13.00	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Hill	Date:	01-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	11:12
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4290-00E
Jumpers:	C:J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Hill	Date:	21-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	11:17
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1102	4290

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1517	5.00	223	4	0.00

Settings and Performance	
Switches:	4290-00E
Jumpers:	C:J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4290	11:32	1		0
4290	11:33	2		0
4290	11:34	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1102	13.02	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Big Elk Park	Date:	29-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	12:43
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4300	12:44	247		0
4300	12:44	248		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:	Big Elk Park	Date:	24-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	11:59
		Status:	OK

Configuration Changes	
Part #	Location
SP J 23040	4300
BY R 1130	4300
BY R 1034	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1517		4	4	0.00

Settings and Performance	
Switches:	0F30
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.2
SWR:	1.58

Test Transmission				
Port	Time	Count	Measure	Predicted
4300	12:27	1		0
4300	12:30	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1130	13.04	
BY R 1034	13.05	

Problem:

Action Taken: Replaced battery and dessicant. Tested Txr, Txr OK. Replaced solar panel and added regulator. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Big Elk Park	Date:	12-Apr-11
Service Type:	Inspection	Technician:	DP/PB
		Time:	11:25
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1034	4300

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0F30
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.2
SWR:	1.26

Test Transmission				
Port	Time	Count	Measure	Predicted
4300	11:38	1		0
4300	11:38	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1034	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Big Elk Park	Date:	08-Aug-11
Time:	10:10	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0F30
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	14.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4300	10:38	3		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Quit reorting.

Action Taken: Radio dead, relaced, RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Johnny Park**Date: **24-Oct-11**Time: **10:17**Service Type: **Inspection**Technician: **PB/ZC**Status: **OK****Configuration Changes**

Part #	Location
BY R 0932	4310
BY R 1020	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529	5.00	153	4.5	0.00

Settings and Performance

Switches: **4310**
 Jumpers:
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **16.0**
 Rev Power: **0.1**
 SWR: **1.17**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 1020	12.73	

Problem:**Action Taken:** Replaced battery, dessicant. Tested txr, OK. TB OK. Solar OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Johnny Park** Date: **29-Jul-11** Time: **11:24**
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
4310	11:25	232		0
4310	11:25	233		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:	Johnny Park	Date:	12-Apr-11
Service Type:	Inspection	Technician:	DP/PB
		Time:	10:01
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1020	4310

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4310
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	19.0
Rev Power:	0.1
SWR:	1.16

Test Transmission				
Port	Time	Count	Measure	Predicted
4310	10:09	1		0
4310	10:11	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1020	13.11	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hansen	Date:	01-Apr-11
Service Type:	Inspection	Technician:	DP
		Time:	12:19
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0411	4330

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4330-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.0
SWR:	1.05

Test Transmission				
Port	Time	Count	Measure	Predicted
4330	12:35	1		0
4330	12:35	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0411	13.04	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Hansen Date: 21-Oct-11 Time: 12:12
Service Type: Inspection Technician: PB Status: OK

Configuration Changes

Part #	Location
BY R 1111	4330
BY R 0411	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529	5.00	279	4	0.00

Settings and Performance

Switches: 4330-00E
Jumpers: C: J5 off
Eprom: R 1.8 9CA1
Tx Freq: 169.500
Rx Freq:
Fwd Power: 16.0
Rev Power: 0.1
SWR: 1.17

Test Transmission

Port	Time	Count	Measure	Predicted
4330	12:34	1		0
4330	12:34	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1111	13.12	

Problem:

Action Taken: Replaced batteries, dessicant. Tested txr, OK. TB OK. Voltage regulator bad. Replaced.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hansen	Date:	23-Mar-11
Time:	14:46	Service Type:	Start Up
Technician:	SB/PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4330-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4290	15:00	1		0
4290	15:00	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hansen** Date: **01-Aug-11** Time: **11:39**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Riverside	Date:	05-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	12:55
		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
4340	12:56	232		0
4340	12:56	233		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: **Riverside** Date: **12-Apr-11** Time: **13:18**
Service Type: **Inspection** Technician: **DP/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1032	4340

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: **0834**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **18.0**
Rev Power: **0.1**
SWR: **1.16**

Test Transmission

Port	Time	Count	Measure	Predicted
4340	13:27	1		0
4340	13:29	2		0
4340	13:30	3		0

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Riverside	Date:	24-Oct-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:10
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1109	4340
BY R 1032	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016		138	4	0.00

Settings and Performance	
Switches:	0834
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.2
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1109	13.34	
BY R 1032	13.22	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Conifer Hill

Date: 07-Nov-11

Time: 14:41

Service Type: Inspection

Technician: ZC/PB

Status: OK

Configuration Changes

Part #	Location
BY R 0946	4350
BY R 0336	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016		98	4	0.00

Settings and Performance

Switches: 0935
 Jumpers:
 Eprom:
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 16.0
 Rev Power: 1.2
 SWR: 1.75

Test Transmission

Port	Time	Count	Measure	Predicted
4350	14:54	1		0
4350	14:54	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0336	13.10	

Problem:**Action Taken:** Replaced Battery and dessicant. Tested TXR, TXR ok. Antenna OK, solar OK, TB OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Conifer Hill	Date:	23-Mar-11
		Time:	12:42
Service Type:	Start Up	Technician:	SB/PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0336	4350
BY R 0432	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
4350	12:57	1		0
4350	12:57	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0336	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Conifer Hill	Date:	05-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	12:17
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

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:	Justice Center	Date:	16-Aug-11
Time:	11:03		
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
4360	11:09	98		0
4360	11:09	99		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: Justice Center	Date: 22-Nov-11	Time: 10:39	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location
BY R 1020	4360
BY R 0825	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.01
Jumpers:	14.2
Eprom:	32
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1020	13.12	

Problem:

Action Taken: Replaced solar, added voltage regulator. Replaced battery and dessicant. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Justice Center	Date:	07-Jun-11
Service Type:	Inspection	Technician:	DP
			Time: 11:22
			Status: Solar down

Configuration Changes	
Part #	Location
BY R 0825	4360
BY R 1026	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.01
Jumpers:	14.2
Eprom:	32
Tx Freq:	8.000
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
144	13:27	192		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0825	12.96	

Problem:

Action Taken: Unable to clear security, will try later. Made it on second attempt. Replaced battery and desiccant in txr. RF OK. Solar dead. TB OK.

Site Notes: Contact to set up escort: Dispatch 303-441-3965 Joe, Dave or Doug (day ahead if possible).

Follow-Up: Replace solar panel.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	31-Mar-11
		Time:	13:24
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4370-
Jumpers:	C:JB6,2-3,JB3,4,5 off;L:J
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, desicant, 2-pt test on pt good, txr good, site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	08-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	10:39
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4373	0.011	-0.1314	0.0468

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:47	1947	9.29 psi	1912	
4373	10:48	1489	7.09 psi	1460	
4373	10:49	1071	5.08 psi	1047	
4373	10:50	672	3.17 psi	653	
4373	10:51	249	1.14 psi	235	
4373	10:52	5	-0.04 psi	-8	
4373	10:53	1071	5.08 psi	1068	
4373	10:54	453	2.12 psi	452	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Good hydraulic contact.

{Auto Entry: Calibrated sensor 4373 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.1314), Std Error(0.0468), Calibration Date(9/8/2011 10:52:42 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gross** Date: **12-Oct-11** Time: **12:29**
 Service Type: **End of Season** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 0332	4370
BY R 0806	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4373	0.011	-0.1914	0.0676

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2688	4.98	130	4	0.00

Settings and Performance

Switches: **4370-**
 Jumpers: **C:JB6,2-3,JB3,4,5 off;L:J**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **3.0**
 Rev Power: **0.1**
 SWR: **1.45**

Test Transmission

Port	Time	Count	Measure	Predicted
4373	12:48	1805	8.52 psi	1781
4373	12:49	1456	6.86 psi	1438
4373	12:50	1032	4.83 psi	1016
4373	12:51	643	2.98 psi	630
4373	12:52	247	1.08 psi	237
4373	12:53	5	-0.05 psi	2
4373	12:54	986	4.59 psi	979
4373	12:55	413	1.89 psi	414

Battery Tests

Battery #	V Quiescent	V Load
BY R 0332	12.83	

Problem:

Action Taken: Changed battery, dessicant, tested txr, txr OK. PT tested outsideof range. PT calibrated. Raised PT.

{Auto Entry: Calibrated sensor 4373 by linear regression. Modified calibration data. New calibration [Slope(0.0110), Calibration Offset(-0.1914), Std Error(0.0676), Calibration Date(10/12/2011 12:54:08 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	11-Jul-11
Service Type:	Inspection	Technician:	PB
		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	
4373	10:33	1057	5.09 psi	1048	
4373	10:34	482	2.31 psi	475	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	10-Oct-11
Time:	13:18	Service Type:	Discontinued
Technician:	PB/ZC	Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: USGS stilling well being removed. Site will be moved upstream.

Action Taken: Took down and removed equipment from infrastructure.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	01-Apr-11
		Time:	8:50
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1118	4380
BY R 1033	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4380-E00
Jumpers:	C:JB6 2-3,JB3,4,5 off;L:J
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1118	13.13	

Problem:

Action Taken: txr ok, replaced batt, desc.PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	11-Jul-11
Time:	11:23	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4383	11:42	1055	4.76 psi	1062	
4383	11:43	514	2.30 psi	517	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	08-Sep-11
Time:	12:32		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4383	12:40	1115	5.10 psi	1136	
4383	12:41	473	2.14 psi	480	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	21-Mar-11
Time:	11:46	Service Type:	Start Up
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 2183	4390
BY R 0510	4390

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4390-B00
Jumpers:	L:JB8,1-2,JB9,10,2-3;C:JB
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
4393	11:57	1032	4.39 psi	1024	
4393	11:58	521	2.19 psi	511	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, Desiccant, and dropped PT. RF OK. PT OK. Good Hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	25-Mar-11
		Time:	13:14
Service Type:	OneRain Service Ca	Technician:	SB
		Status:	PT Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4393	13:20	941	4.03 psi	938	
4393	13:21	462	1.97 psi	459	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Eratic PT Reading

Action Taken: Tested PT. PT seemed OK. Pulled TXR for further testing.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	16-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	10:33
		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	
4393	10:38	1011	5.06 psi	1021	
4393	10:39	407	2.05 psi	412	

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:	Boulder Falls	Date:	31-Mar-11
		Time:	9:39
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
TX J 12094	4390
BY R 1011	4390

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4393	0.011	0.0185	0.0048

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4390-B00
Jumpers:	L:JB8,1-2,JB9,10,2-3;C:JB
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.4
Rev Power:	0.1
SWR:	1.36

Test Transmission					
Port	Time	Count	Measure	Predicted	
4393	10:09	1826	9.01 psi	2100	
4393	10:10	1420	7.01 psi	1634	
4393	10:11	1022	5.05 psi	1177	
4393	10:12	613	3.03 psi	707	
4393	10:13	213	1.06 psi	247	
4393	10:14	1023	5.05 psi	1021	
4393	10:15	413	2.04 psi	411	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1011	13.05	

Problem: PT falsely showing random events about every 24 hrs.

Action Taken: Installed new txr and signal conditioning module, set zero point and calibrated, good repeatability, good hydraulic contact. RF OK.
 {Auto Entry: Calibrated sensor 4393 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.0185), Std Error(0.0048), Calibration Date(3/31/2011 10:13:17 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	19-Oct-11
Time:	11:05	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 2183	9000
TX J 12094	9000
BY R 1011	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: Removed txr, battery. Raised PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	26-Aug-11
Time:	13:59	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4393	14:15	1285	6.42 psi	1298	
4393	14:16	445	2.26 psi	455	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Orodell	Date:	16-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	10:14
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4403	10:16	1051	5.06 psi	1058	
4403	10:17	435	2.08 psi	439	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tests OK, good hydraulic contact. @10:10 ID 4403 =246 =>3.25, USGS = 3.16, State = 3.14.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Orodell	Date:	11-Apr-11
Service Type:	Inspection	Technician:	PB
		Time:	11:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1033	4400
BY R 0801	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4403	0.011	-0.0671	0.0165

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:29	1978	9.49 psi	2014	
4403	11:30	1460	7.00 psi	1487	
4403	11:31	1039	4.97 psi	1057	
4403	11:32	638	3.04 psi	650	
4403	11:33	216	1.01 psi	220	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1033	13.02	

Problem:

Action Taken: {Auto Entry: Calibrated sensor 4403 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0671), Std Error(0.0165), Calibration Date(4/11/2011 11:33:31 AM)]}.

Replaced battery and dessicant. Calibrated PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Orodell	Date: 26-Aug-11	Time: 13:34	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4403	13:39	917	4.41 psi	922	
4403	13:40	402	1.92 psi	405	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Orodell	Date:	19-Oct-11
Time:	10:44	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 2807	9000
BY R 1033	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: Removed txr, battery. Raised PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fourmile	Date:	10-Oct-11
Time:	13:12		
Service Type:	End of Season	Technician:	PB/ZC
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT cable pulled out of open riser.

Action Taken: Pulled excess PT cable up into enclosure. Secured screen over open riser to provide protection to sensor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fourmile	Date:	14-Jul-11
Time:	12:35		
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: Health check after event.

Action Taken: Hydraulic contact OK/marginal (slow to drain), unable to access intake due to stream color/condition. Battery OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Fourmile**Date: **21-Mar-11**Time: **12:27**Service Type: **Start Up**Technician: **SB**Status: **OK****Configuration Changes**

Part #	Location
TX J 2182	4410
BY R 0248	4410

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4410-00E**
 Jumpers: **L:JB8,1-2;JB9,10,2-3,JB7**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **5.0**
 Rev Power: **0.1**
 SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
4413	12:34	1335	5.63 psi	1338
4413	12:35	281	1.16 psi	276

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Installed TXR, Battery, Desiccant, and dropped PT. Flushed lintake. RF OK. PT OK.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fourmile** Date: **17-Jun-11** Time: **9:53**
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
4413	9:58	1180	5.04 psi	1199
4413	9:59	479	2.05 psi	488

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:	Fourmile	Date:	29-Mar-11
Service Type:	OneRain Service Ca	Technician:	PB
		Time:	14:01
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0903	4410

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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 0903	13.09	

Problem: Battery dead.

Action Taken: replaced battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fourmile	Date:	19-Jul-11
Service Type:	Service Call	Technician:	SB
		Time:	15:18
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem: UDFCD requested change.

Action Taken: Removed cap from riser to allow water to flow in. Tried to find PT intake. Unsuccessful. Bad weather moving in had to leave site before further investigation.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fourmile	Date:	26-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	9:57
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4413	0.011	-0.01	0.0065

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4413	10:52	1832	9.06 psi	1911	
4413	10:53	1416	7.02 psi	1392	
4413	10:54	999	4.95 psi	867	
4413	10:55	648	3.20 psi	426	
4413	10:56	216	1.06 psi	-117	
4413	10:57	6	0.03 psi	-380	
4413	10:58	1035	5.14 psi	1040	
4413	11:00	436	2.16 psi	438	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Sig. Cond. not operating properly. Affecting battery reading when adjusted.

Action Taken: Replaced txr and sig. cond. Recalibrated PT. Hydraulic contact marginal, has sedimented over again. Left riser cap off to facilitate high water readings.

{Auto Entry: Calibrated sensor 4413 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0100), Std Error(0.0065), Calibration Date(8/26/2011 10:58:20 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Fourmile	Date: 25-Aug-11	Time: 10:44	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4413	0.009	3.5159	0.8789

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:02	2034	9.05 psi	2152	
4413	11:03	1559	7.11 psi	1690	
4413	11:04	1097	5.19 psi	1236	
4413	11:05	626	3.29 psi	782	
4413	11:06	86	1.09 psi	260	
4413	12:42	1910	9.02 psi	2145	
4413	12:43	1370	6.94 psi	1651	
4413	12:44	844	4.86 psi	1156	
4413	12:45	374	3.01 psi	717	
4413	12:46	118	1.96 psi	466	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Cap on riser.

Action Taken: Removed cap from riser. PT tested outside range, could not get report under 1 PSI. Sig cond. does not have enough range. Sensor not working on low end. High end appears normal.

{Auto Entry: Calibrated sensor 4413 by linear regression. Modified calibration data. New calibration [Slope(0.0091), Calibration Offset(3.5159), Std Error(0.8789), Calibration Date(8/25/2011 12:47:50 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	10-Oct-11
		Time:	13:15
Service Type:	OneRain Service Ca	Technician:	PB/ZC
		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: Riser cap threads siezed onto riser. Could not remove during Round 4 inspection.

Action Taken: Able to remove cap with 2 people. Applied anti-seize agent to threads.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bridge** Date: **29-Sep-11** Time: **14:07**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Could not open riser cap without further damage to sensor cable, conduit. Recommend another large pipe wrench. Two people.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	16-Jun-11
		Time:	9:27
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4423	0.012	-0.0006	0.0022

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4423	9:52	1818	9.05 psi	1863	
4423	9:53	1412	7.03 psi	1445	
4423	9:54	1014	5.05 psi	1038	
4423	9:55	611	3.04 psi	625	
4423	9:56	217	1.08 psi	221	
4423	9:57	1009	5.02 psi	1008	
4423	9:58	413	2.06 psi	413	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested low, adjusted zero point and recalibrated, repeatability good. Riser had obstruction preventing true depth indication, removed, good hydraulic contact.
 {Auto Entry: Calibrated sensor 4423 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.0006), Std Error(0.0022), Calibration Date(6/16/2011 9:56:42 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	19-Oct-11
Service Type:	End of Season	Time:	10:23
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 2176	9000
BY R 0628	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4420-00B
Jumpers:	C:J6,2-3 L:J8,1-2;J9,10,2-
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, battery. Rasied PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	21-Mar-11
Service Type:	Start Up	Technician:	SB
		Time:	11:03
		Status:	OK

Configuration Changes	
Part #	Location
TX J 2176	4420
BY R 0628	4420

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4420-00B
Jumpers:	C:J6,2-3 L:J8,1-2;J9,10,2-
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
4423	11:16	1440	7.00 psi	1440	
4423	11:17	443	2.11 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0628	13.42	

Problem:

Action Taken: Installed TXR, Battery, Desiccant and dropped PT. Due to cold cable could not drop PT all the way to the bottom of the riser. Will have to continue to monitor. RF OK. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	21-Oct-11
Service Type:	End of Season	Technician:	PB
			Time: 14:34
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 2687	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	
4433	14:40	1146	4.76 psi	1129	
4433	14:41	486	2.04 psi	476	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	26-Aug-11
Service Type:	Inspection	Technician:	PB
		Time:	12:09
		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	
4433	12:55	1231	5.14 psi	1220	
4433	12:56	500	2.13 psi	498	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Low Battery.

Action Taken: Changed battery, dessicant. PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	21-Mar-11
		Time:	13:03
Service Type:	Start Up	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 2687	4430
BY R 0345	4430

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4430-00D
Jumpers:	C:J6,2-3,J3,5off;L:J8,1-2,J
Eprom:	R 1.8 57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.9
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
4433	13:10	1095	4.58 psi	1086	
4433	13:11	450	1.97 psi	458	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, Battery, Desiccant and lowered PT. Flushed PT Intake. RF OK. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	17-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	10:27
		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	
4433	10:30	1188	5.05 psi	1198	
4433	10:31	472	2.05 psi	478	

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:	25-Oct-11
Time:	15:10	Service Type:	End of Season
Technician:	PB	Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed battery, txr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	14-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	11:58
		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	
4443	12:12	1205	5.04 psi	1187	
4443	12:13	491	2.02 psi	478	

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:	21-Mar-11
Time:	13:33	Service Type:	Start Up
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 2689	4440
BY R 1010	4440

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission					
Port	Time	Count	Measure	Predicted	
4443	13:43	1712	7.23 psi	1704	
4443	13:44	589	2.47 psi	584	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1010	13.22	

Problem:

Action Taken: Installed TXR, Battery, Desiccant and lowered PT. RF OK. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	07-Nov-11
Service Type:	End of Season	Technician:	ZC/PB
		Time:	12:53
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 2689	9000
BY R 1010	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	
4443	12:56	1373	5.54 psi	1306	
4443	12:57	668	2.61 psi	616	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable range. Raised PT. Pulled TXR and battery.

Site Notes:

Follow-Up: Recalibrate PT in spring 2012 start up

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	17-Jun-11
Time:	10:44	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	
4443	10:49	1194	5.05 psi	1190	
4443	10:50	497	2.08 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: Lower Lefthand Date: 21-Mar-11 Time: 14:11
Service Type: Start Up Technician: SB Status: OK

Configuration Changes

Part #	Location
TX J 21422	4450
BY R 1007	4450

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches:
Jumpers:
Eprom: 57EE
Tx Freq: 169.500
Rx Freq:
Fwd Power: 5.0
Rev Power: 0.1
SWR: 1.33

Test Transmission

Port	Time	Count	Measure	Predicted
4453	14:20	1146	5.68 psi	1153
4453	14:21	488	2.44 psi	487

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed TXR, Battery, Desiccant, and lowered PT. RF OK. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lower Lefthand	Date:	17-Jun-11
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	
4453	11:50	1013	5.03 psi	1020	
4453	11:51	414	2.08 psi	413	

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:	14-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	12:31
		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	
4453	12:35	1030	5.06 psi	1026	
4453	12:37	453	2.25 psi	448	

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:	21-Oct-11
Service Type:	End of Season	Time:	10:00
		Technician:	PB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 21422	9000
BY R 1007	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	
4453	10:05	965	4.69 psi	951	
4453	10:06	430	2.09 psi	416	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT. Removed txr, battery.

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: **21-Mar-11** Time: **12:01**
 Service Type: **Start Up** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 28972	4460
BY R 0810	4460

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4460-B00**
 Jumpers: **C:J6,2-3,J3,4,5 off;L:J8,1-**
 Eprom: **57EE**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **4.6**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4463	12:16	1239	5.22 psi	1241
4463	12:17	486	2.05 psi	488

Battery Tests

Battery #	V Quiescent	V Load
BY R 0810	13.26	

Problem:

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

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. St. Vrain at Berry R	Date:	17-Jun-11
		Time:	12:50
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4463	12:54	1195	5.10 psi	1213	
4463	12:55	474	2.02 psi	480	

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:	S. St. Vrain at Berry R	Date:	14-Sep-11
Service Type:	Inspection	Technician:	DP
			Time: 10:40
			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	
4463	10:44	1190	5.00 psi	1190	
4463	10:45	485	2.02 psi	482	

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:	S. St. Vrain at Berry R	Date:	08-Nov-11
		Time:	9:33
Service Type:	End of Season	Technician:	PB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 28972	9000
BY R 0810	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4463	9:43	1223	5.02 psi	1194	
4463	9:44	713	2.89 psi	688	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at startup. Raised PT. Removed txr, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	08-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	10:04
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0434	4470
BY R 0950	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016		107	4	0.00

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4470	10:43	1			0
4470	10:45	2			0
4473	10:08	864	4.04 psi		814
4473	10:09	429	1.91 psi		382

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0434	13.16	9.04

Problem:

Action Taken: PT tested outside acceptable range. Raised PT. Replaced battery, dessicant. Tested txr, battery voltage drop during transmission on two separate batteries. Possible power issue. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	14-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	10:21
		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	
4470	10:31	280			0
4470	10:31	281			0
4473	10:26	1025	5.02 psi		1011
4473	10:27	430	2.09 psi		418

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	28-Jan-11
Service Type:	Inspection	Technician:	SB/PB
		Time:	12:57
		Status:	PT Down

Configuration Changes	
Part #	Location
BY R 0944	4470
BY R 0312	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4470-B00
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	25.1
Rev Power:	0.1
SWR:	1.13

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0944	13.00	

Problem:

Action Taken: Replaced Battery, dessicant. TB OK. TXr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	17-Jun-11
Service Type:	Inspection	Technician:	DP
			Time: 12:12
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4470	12:38	167			0
4470	12:39	168			0
4473	12:30	1022	5.07 psi		1023
4473	12:31	419	2.09 psi		418

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT over reporting.

Action Taken: Set delta change to tx to 20 counts. PT zero point had shifted 49 counts, reset, tests OK, good hydraulic contact. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Little Narrows** Date: **23-Mar-11** Time: **10:17**
 Service Type: **OneRain Service Ca** Technician: **SB/PB** Status: **OK**

Configuration Changes

Part #	Location
PT D 3218901	4470
BY R 0950	4470
PT D 2722850	9000
BY R 0944	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4473	0.011	0.047	0.0083

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4470-B00**
 Jumpers:
 Eprom: **57EE**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **15.0**
 Rev Power: **0.1**
 SWR: **1.18**

Test Transmission

Port	Time	Count	Measure	Predicted
4470	11:54	1		0
4470	11:54	2		0
4473	11:39	2005	9.92 psi	1973
4473	11:40	1626	8.04 psi	1601
4473	11:41	1214	6.01 psi	1197
4473	11:42	822	4.08 psi	813
4473	11:43	413	2.06 psi	410
4473	11:45	1002	4.98 psi	1004

Battery Tests

Battery #	V Quiescent	V Load
BY R 0950	13.04	

Problem: PT Down

Action Taken: Installed New PT. 160 Ft. Calibrated PT. Fixed stop bolt in riser. RF OK. PT OK with good hydraulic contact. Replaced top screen in TB. Cleaned Funnel in TB. TB OK.

{Auto Entry: Calibrated sensor 4473 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.0470), Std Error(0.0083), Calibration Date(3/23/2011 11:44:52 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	14-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	11:10
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0628	4490
BY R 0616	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8766		35	4	0.00

Settings and Performance	
Switches:	4490-00E
Jumpers:	
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	2.4
Rev Power:	0.1
SWR:	1.51

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0616	13.17	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, low wattage. TB OK. Solar OK.

Site Notes:

Follow-Up: Monitor. Consider replacing radio at startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	05-Apr-11
Service Type:	Inspection	Technician:	DP
		Time:	10:03
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0616	4490
BY R 0302	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4490-00E
Jumpers:	
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
4490	10:17	1		0
4490	10:17	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0616	13.07	

Problem:

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

Site Notes: Realtor lock combo 1535, BoCo key.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	05-Aug-11
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
4490	11:32	222		0
4490	11:32	223		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:	Pinewood Spring	Date:	08-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	11:22
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0619	4510
BY R 0610	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016		105	4	0.00

Settings and Performance	
Switches:	4510
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	19.0
Rev Power:	6.0
SWR:	3.57

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0619	13.01	

Problem:

Action Taken: Replaced battery and dessicant. Tested TXR, TXR OK. Solar OK, TB OK. Replaced BNC connector @ txr. Reflected wattage reduced, but remains unacceptably high

Site Notes:

Follow-Up: Replace antenna cable. Possible short/damage. Add polyphaser.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Pinewood Spring	Date:	29-Jul-11
Time:	10:48		
Service Type:	Inspection	Technician:	DP
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4510	10:52	253		0
4510	10:52	254		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:	Pinewood Spring	Date:	05-Apr-11
Service Type:	Inspection	Technician:	DP
		Time:	11:06
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0610	4510
BY R 1023	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4510
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	19.0
Rev Power:	0.1
SWR:	1.16

Test Transmission				
Port	Time	Count	Measure	Predicted
4510	11:25	1		0
4510	11:27	2		0
4510	11:27	3		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up: Replace BNC at txr, pin short.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Eagle Ridge** Date: **14-Nov-11** Time: **10:16**
Service Type: **Inspection** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1030	4520
BY R 0805	4520
BY R 1005	9000
BY R 0405	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers:
Eprom: **4520E**
Tx Freq: **169.500**
Rx Freq: **169.500**
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4520	10:38	2016		0
4520	10:38	2017		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1030	13.20	
BY R 0805	13.10	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Eagle Ridge**Date: **05-Apr-11**Time: **12:09**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 1005	4520
BY R 0405	4520
BY R 0824	9000
BY R 0257	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
Jumpers:
Eprom: **4520E**
Tx Freq: **169.500**
Rx Freq: **169.500**
Fwd Power: **4.6**
Rev Power: **0.0**
SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
4520	12:31	1706		0
4520	12:31	1707		0

Battery Tests

Battery #	V Quiescent	V Load

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

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eagle Ridge	Date:	03-Aug-11
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
4520	12:51	1935		0
4520	12:52	1936		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:	Winiger Ridge	Date:	18-Oct-11
		Time:	10:25
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1135	4530
BY R 0822	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9760		244	4	0.00

Settings and Performance	
Switches:	4530-00E
Jumpers:	C:J5 off; L:J7,11 on
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	16.0
Rev Power:	0.1
SWR:	1.17

Test Transmission				
Port	Time	Count	Measure	Predicted
4530	10:37	1		0
4530	10:37	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1135	13.02	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Winiger Ridge	Date:	09-Aug-11
Time:	9:55		
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
4530	9:57	466		0
4530	9:57	467		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:	Winiger Ridge	Date:	05-Apr-11
		Time:	9:44
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0822	4530
BY R 1032	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4530-00E
Jumpers:	C:J5 off; L:J7,11 on
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	0.2
SWR:	1.22

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0822	13.12	

Problem:

Action Taken: replaced batt., desc, txr ok, tb ok. site good.
 could not decode 2 tips, nopwer to radio

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville Rptr	Date:	11-Apr-11
		Time:	13:52
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Inspected Rptr, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Jail	Date:	11-Apr-11
		Time:	9:43
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0843	4550
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:	4550-00E
Jumpers:	
Eprom:	R1.8 585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.0
Rev Power:	0.1
SWR:	1.45

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0843	13.13	

Problem:

Action Taken: Replaced battery, dessicant. Txr OK, TB level, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Jail	Date:	15-Nov-11
Service Type:	End of Season	Technician:	ZC/DP
		Time:	10:10
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25144	9000
TB J 19636	9000
BY R 0843	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: Removed Battery, TB and TXR

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Jail	Date:	27-Jan-11
Service Type:	Inspection	Technician:	DP
		Time:	12:01
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0615	4550
BY R 0434	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4550-00E
Jumpers:	
Eprom:	R1.8 585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
4550	12:11	1		0
4550	12:11	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0615	13.15	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Jail	Date:	11-Aug-11
Time:	11:24	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
4550	11:26	246		0
4550	11:26	247		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: **08-Nov-11** Time: **14:04**
Service Type: **Inspection** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 0434	4560
BY R 1003	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4560-E00**
Jumpers: **JB3,4,5 off**
Eprom: **57EE**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4563	14:16	1285	5.15 psi	1214
4563	14:17	546	2.06 psi	487

Battery Tests

Battery #	V Quiescent	V Load
BY R 0434	13.16	

Problem:

Action Taken: PT tested outside acceptable range. Recalibrate at start up. Replaced battery, dessicant. Txr OK.

Site Notes:

Follow-Up: Recalibrate at startup 2012.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lyons Diversion	Date:	21-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	11:18
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1003	4560
BY R 0836	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4560-E00
Jumpers:	JB3,4,5 off
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
4563	11:29	1210	5.09 psi	1199	
4563	11:30	495	2.06 psi	487	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1003	13.07	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lyons Diversion	Date:	14-Sep-11
Time:	9:54	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	
4563	9:58	1214	5.06 psi	1192	
4563	9:59	489	2.05 psi	483	

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:	Lyons Diversion	Date:	11-Jul-11
Time:	15:44	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4563	15:47	1142	4.80 psi	1133	
4563	15:48	561	2.35 psi	554	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **St. Antons** Date: **19-Oct-11** Time: **11:46**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1107	4570
BY R 0326	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2684	5.00	237	4	0.00

Settings and Performance

Switches: **4570-3-0**
Jumpers: **C:J6,2-3,J5 off;L:J1,4,7,11**
Eprom: **R 1.8 585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4570	12:00	1		0
4570	12:00	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1107	13.15	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **St. Antons** Date: **31-Mar-11** Time: **10:49**
Service Type: **Inspection** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0326	4570
BY R 1030	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4570-3-0**
Jumpers: **C:J6,2-3,J5 off;L:J1,4,7,11**
Eprom: **R 1.8 585B**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
4570	11:00	1		0
4570	11:01	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0326	13.02	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **St. Antons** Date: **09-Aug-11** Time: **11:09**
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
4570	11:10	307		0
4570	11:10	308		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:	Broadway	Date:	29-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	14:47
		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	
4583	14:48	1833	4.54 psi	1847	
4583	14:50	867	2.15 psi	879	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Good hydraulic contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	17-Jan-11
Time:	11:10	Status:	OK
Service Type:	OneRain Service Ca	Technician:	DP/SB

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: not reporting.

Action Taken: RF looks OK but replacing radio got reply from repeater. Will evaluate removed radio.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	19-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	9:38
		Status:	OK

Configuration Changes	
Part #	Location
BY J 0906	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4583	0.006	-0.0552	0.0159

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4580-
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4583	15:58	1454	8.72 psi	3538	
4583	15:59	710	6.87 psi	2788	
4583	16:01	1920	4.77 psi	1941	
4583	16:01	1861	4.23 psi	1721	
4583	16:02	1544	3.19 psi	1301	
4583	16:02	831	2.05 psi	839	
4583	16:03	443	1.08 psi	448	
4583	16:04	1334	3.31 psi	1350	
4583	16:05	1691	4.21 psi	1713	
4583	16:06	9	0.00 psi	9	
4583	16:07	1216	3.02 psi	1211	
4583	16:08	441	1.08 psi	439	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, changed dessicant. Solar OK. Loaded Low Flow program to CR501. Calibrated.

{Auto Entry: Calibrated sensor 4583 by linear regression. Modified calibration data. New calibration [Slope(0.0058), Calibration Offset(-0.0552), Std Error(0.0159), Calibration Date(10/24/2011 4:06:42 PM)]}.

Site Notes:

Follow-Up: Test PT in spring. Calibrator battery dead on arrival.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	16-Jun-11
		Time:	13:55
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: Overreporting due to turbulence/ high flow.

Action Taken: Changed delta change limnit to 0.25. Unable to access PT.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	06-Apr-11
Service Type:	Inspection	Technician:	DP
		Time:	10:32
		Status:	OK

Configuration Changes	
Part #	Location
BY J 0906	4580
BY J 0405	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4580-
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4583	10:49	1425	3.51 psi	1428	
4583	10:49	609	1.48 psi	607	

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0906	13.11	

Problem:

Action Taken: Replaced battery and desiccant in txr. Changed program to HI season. PT tests OK, good hydraulic contact. @ 10:51 ID 4583 raw = 177 => 0.86, staff gauge read 0.86. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	30-Aug-11
Time:	10:36	Service Type:	Service Call
Technician:	SB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4593	0.012	-0.5157	0.1842

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4593	10:53	531	2.51 psi	535	
4593	10:47	1811	9.03 psi	1753	
4593	10:47	1504	6.93 psi	1342	
4593	10:48	1015	4.98 psi	961	
4593	10:49	654	3.14 psi	602	
4593	10:49	253	1.01 psi	185	
4593	10:50	36	0.00 psi	-12	
4593	10:51	1431	7.09 psi	1374	
4593	10:52	1074	5.27 psi	1074	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Kim Hutton concerned about PT accuracy.

Action Taken: PT was 40 counts off. Re-calibrated PT. Staff guage reading 1.55 ft. @ 10:55. Will continue to monitor. PT OK. RF OK.

{Auto Entry: Calibrated sensor 4593 by linear regression. Modified calibration data. New calibration [Slope(0.0118), Calibration Offset(-0.5157), Std Error(0.1842), Calibration Date(8/30/2011 10:52:14 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	17-Jan-11
Time:	11:43	Service Type:	OneRain Service Ca
Technician:	DP/SB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not reporting.

Action Taken: RF appears OK but not being repeated. Will come back with new radio.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	28-Sep-11
		Time:	9:45
Service Type:	OneRain Service Ca	Technician:	PB/SB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4593	0.012	-0.7399	0.1864

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4593	10:45	1031	5.36 psi	1037	
4593	10:50	1993	9.01 psi	1750	
4593	10:51	1878	9.15 psi	1776	
4593	10:52	1847	7.15 psi	1386	
4593	10:52	1079	5.06 psi	978	
4593	10:53	1426	7.10 psi	1375	
4593	10:54	676	3.09 psi	593	
4593	10:56	258	0.98 psi	180	
4593	10:58	1415	6.61 psi	1280	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT overreporting.

Action Taken: PT OK. Reset datalogger. Sent High-Flow program to datalogger, delta change now .316 ft. Recalibrated PT. Site ceased frequent reporting.

{Auto Entry: Calibrated sensor 4593 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.7399), Std Error(0.1864), Calibration Date(9/28/2011 10:59:11 AM)]}.

Site Notes: Recommend replacing CR510.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	06-Apr-11
		Time:	9:47
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY J 0901	4590

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
4593	10:08	987	5.04 psi	974	
4593	10:09	403	2.09 psi	397	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. Changed program to HI season. PT tests OK, good hydraulic contact. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	27-Jan-11
		Time:	11:32
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: not being repeated.

Action Taken: Changed radio, no change. RF OK, SWR = 1.03 via AEA.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	28-Jan-11
		Time:	10:21
Service Type:	OneRain Service Ca	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	
Rx Freq:	
Fwd Power:	6.5
Rev Power:	0.1
SWR:	1.28

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replced Maxon radio with a Ritron unit, received from repeater.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hills Mills	Date:	16-Jun-11
Service Type:	OneRain Service Ca	Technician:	DP
		Time:	11:17
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1026	4710

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4710
Jumpers:	
Eprom:	Ver 3.4
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
4710	12:29	1		0
4710	12:30	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1026	13.15	

Problem: Site down since Feb.

Action Taken: Replaced battery and desiccant in txr. Reprogrammed txr. Replaced solar panel and regulator. replaced desiccant in BP box. RF OK. Solar Ok. TB OK. @ 12:34 ID 4711 raw = 99 => 38.82% RH, ID 4712 raw = 142 => 62 deg. F, psychrometer readings Td = 63 deg.F, Tw = 49 deg.F implying RH = 41% and dp = 39 deg.F. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hills Mills	Date:	25-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	10:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1116	4710

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 207		78	4	0.00

Settings and Performance	
Switches:	4710
Jumpers:	
Eprom:	Ver 3.4
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.9
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4710	10:46	260		0
4710	10:47	261		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1116	13.12	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. @ 10:38 ID 4711 raw = 116 => 45.49% RH, ID 4712 raw = 121 => 41 deg.F, psychrometer readings Td = 44 deg.F, Tw = 36 deg.F implying RH = 45% and dp = 25 deg.F. TB OK. Wind sensors rotating freely. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	18-Oct-11
Service Type:	Inspection	Technician:	PB
		Time:	14:17
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4730
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	14:29	923		0
4730	14:29	924		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 2:17 ID 4731 raw = 135 => 52.94% RH, ID 4732 raw = 125 => 45 deg.F, psychrometer readings Td = 44 deg.F, Tw = 36 deg.F implying RH = 45% and dp = 25 deg.F. TB OK. Wind sensors rotating freely. Txr OK. Solar OK.TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	14-Jul-11
Service Type:	Inspection	Technician:	DP
		Time:	10:57
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	11:02	832		0
4730	11:03	833		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:17 ID 4731 raw = 205 => 80.39% RH, ID 4732 raw = 152 =>72 deg.F, psychrometer readings Td = 73 deg.F, Tw = 68 deg.F implying RH = 79% and dp = 66 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	31-Mar-11
Service Type:	Inspection	Technician:	DP
		Time:	13:49
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0510	4730
BY R 1035	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4730
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.1
Rev Power:	0.0
SWR:	1.09

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	14:10	587		0
4730	14:10	588		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0510	13.09	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 14:01 ID 4731 raw =127 => 49.86% RH, ID 4732 raw =128 =>48 deg.F, psychrometer readings Td = 48 deg.F, Tw = 39 deg.F implying RH = 50% and dp = 30 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	10-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:38
		Status:	Site Down

Configuration Changes	
Part #	Location
BY R 1006	4750
BY R 1023	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 213		196	4	0.00

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	v. 3.4R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1006	13.23	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. Wind OK. @ 14:55 ID 4751 raw = 21 => 8.24% RH, ID 4752 raw = 138 => 58.00 deg.F, psychrometer readings Td = 60 deg.F, Tw = 39 deg.F implying RH = 12% and dp = 8 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	29-Sep-11
Service Type:	Inspection	Technician:	PB
		Time:	13:22
		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: Solar OK. TB OK. Wind OK. @ 13:26 ID 4751 raw = 95 => 37.25% RH, ID 4752 raw = 103 => 60 deg. Psychrometer readings Td = 66 deg.F, Tw = 51 deg.F implying RH = 40% and dp = 39 deg.F. BP OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	22-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	11:52
		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	12:07	985		0
4750	12:07	986		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:01 ID 4751 raw = 101 => 39.61% RH, ID 4752 raw =153 => 73 deg.F, psychrometer readings Td = 74 deg.F, Tw = 58 deg.f implying RH = 40% and dp = 48 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville WTP	Date:	11-Apr-11
Service Type:	Inspection	Technician:	PB
		Time:	13:00
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1023	4750
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:	v. 3.4R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	13.0
Rev Power:	0.1
SWR:	1.19

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1023	13.06	

Problem:

Action Taken: Replaced battery, dessicant. Txr OK. Solar OK. Wind speed OK. Wind direction OK. TB OK, RHAT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Barker Dam via Betas	Date:	09-Aug-11
		Time:	13:15
Service Type:	Inspection	Technician:	DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1132	4760
BY R 0322	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed battery. RF OK.

Site Notes: Check in on 2nd floor, get key, walk across roof to next bldg. up to next floor, opposite corner of room, exercise room.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Barker Dam via Betas	Date:	18-Oct-11
		Time:	12:27
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0613	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced batteries, dessicant. Tested txx, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	25-Oct-11
		Time:	12:28
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1030	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1030	13.21	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. @ 10:38 ID 4711 raw = 116 => 45.49% RH, ID 4712 raw = 121 => 41 deg.F, psychrometer readings Td = 44 deg.F, Tw = 36 deg.F implying RH = 45% and dp = 25 deg.F. TB OK. Wind sensors rotating freely. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	14-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	11:23
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4770	11:32	979		0
4770	11:33	980		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:18 ID 4771 raw = 255 => 100% RH, ID 4772 raw = 126 => 46 deg.F, psychrometer readings Td = 47 deg.F, Tw = 47 deg.F implying RH = 100% 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:	CalWood Ranch	Date:	17-Jun-11
Service Type:	Inspection	Technician:	DP
		Time:	11:09
		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
4770	11:10	860		0
4770	11:11	861		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Wind sensors rotating freely. @ 11:17 ID 4771 raw = 151 => 59.22% RH, ID 4772 raw - 140 => 60 deg.F, psychrometer readings Td = 57 deg.F, Td = 47 deg.F implying RH = 51% and dp = 39 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	11-Apr-11
Service Type:	Inspection	Technician:	DP
		Time:	13:39
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1030	4770
BY R 0825	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
4770	13:59	717		0
4770	13:59	718		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1030	13.05	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced desiccant in BP box. RF OK. Solar OK. TB OK. Wind sensors rotating freely. @ 14:01 ID 4771 raw = 94 => 36.86% RH, ID 4772 raw = 130 => 50 deg.F, psychrometer readings Td = 50 deg.F, Tw = 38 deg.F implying RH = 38% and dp = 25 deg. F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	01-Nov-11
Time:	14:06		
Service Type:	OneRain Service Ca	Technician:	SB/ZC
Status:	OK		

Configuration Changes	
Part #	Location
BY R 0412	4770

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:17	1022		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	11-Jul-11
Service Type:	Inspection	Technician:	PB
		Time:	14:29
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 2:34 ID 4791 raw = 115 =>45.1% RH, ID 4792 raw = 160 => 80.00 deg.F, psychrometer readings Td = 79 deg.F, Tw = 64 deg.F implying RH = 46% and dp = 57 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	08-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	12:56
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1022	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 156		310	4.5	0.00

Settings and Performance	
Switches:	4790
Jumpers:	
Eprom:	9601-01-81 Ver 3.5R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4790	13:24	1712		0
4790	13:24	1712		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. TB OK. Wind OK. @ 13:20 ID 4791 raw = 116 => 45.49% RH, ID 4792 raw = 118 => 38.00 deg. F. Psychrometer readings Td = 40 deg.F, Tw = 33 deg.F implying RH = 50% and dp = 23 deg.F.

Site Notes:

Follow-Up: Add regulator to solar line.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Button Rock**Date: **11-Apr-11**Time: **11:23**Service Type: **Inspection**Technician: **DP**Status: **OK****Configuration Changes**

Part #	Location
BY R 1022	4790
BY R 1024	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4790**
 Jumpers:
 Eprom: **9601-01-81 Ver 3.5R**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **6.0**
 Rev Power: **0.1**
 SWR: **1.3**

Test Transmission

Port	Time	Count	Measure	Predicted
4790	11:41	1379		0
4790	11:41	1380		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1022	13.02	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. SolarOK. TB OK. Wind sensors rotating freely. @ 11:44 ID 4791 raw = 87 => 34.12% RH, ID 4792 raw = 129 => 49 deg.F, psychrometer readings Td = 50 deg.F, Tw = 39 deg.F implying RH = 38% and dp = 25 deg. F.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	14-Sep-11
Service Type:	Inspection	Technician:	DP
		Time:	9:15
		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
4790	9:27	1648		0
4790	9:27	1649		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 9:13 IDv 4791 raw = 242 => 94.90% RH, ID 4792 raw = 128 => 48 deg.F , psychrometer readings Td = 48 deg.F, Tw = 46 deg.F implying RH = 100% and dp = 48 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shanahan Ridge	Date:	11-Apr-11
Service Type:	Inspection	Technician:	PB
		Time:	12:09
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1027	4810
BY R 0849	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4810-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.0
Rev Power:	0.1
SWR:	1.45

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1027	13.10	

Problem:

Action Taken: Replaced battery, dessicant. TB cleaned, leveled, OK. Txr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shanahan Ridge	Date:	10-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	11:18
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0349	4810
BY R 1027	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1356		110	4	0.00

Settings and Performance	
Switches:	4810-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4810	11:31	1		0
4810	11:32	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0349	13.36	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. TB OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shanahan Ridge	Date:	11-Aug-11
Service Type:	Inspection	Technician:	DP
		Time:	10:42
		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
4810	10:44	290		0
4810	10:44	291		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:	Dowdy Draw	Date:	11-Aug-11
Time:	10:19	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:	4820-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4820	10:21	268		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: **Dowdy Draw** Date: **01-Apr-11** Time: **10:52**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1108	4820
BY R 1028	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4820-00E**
Jumpers: **C: J5 off**
Eprom: **R 1.8 9CA1**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **3.0**
Rev Power: **0.1**
SWR: **1.45**

Test Transmission

Port	Time	Count	Measure	Predicted
4820	11:03	1		0
4820	11:12	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1108	13.05	

Problem:

Action Taken: replaced batt, desc., txr ok tb ok. site good to go.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Dowdy Draw	Date:	10-Nov-11
Time:	10:44	Service Type:	Inspection
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1120	4820
BY R 1108	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1357		210	4	0.00

Settings and Performance	
Switches:	4820-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1120	13.02	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	11-Jul-11
Service Type:	Inspection	Technician:	PB
			Time: 12:25
			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:	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	12:31	242			0
4830	12:32	243			0
4833	12:26	1152	5.12 psi		1151
4833	12:27	514	2.26 psi		510

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested 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. Boulder Cr.@ Sans	Date:	10-Nov-11
		Time:	12:08
Service Type:	Inspection	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0915	4830
BY R 1113	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1357	5.00	111	4.5	0.00

Settings and Performance	
Switches:	4830-00E
Jumpers:	C:J6,1-2,J3,5off;L:J1,4,11
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4833	12:14	1092	4.85 psi	1090	
4833	12:15	439	1.89 psi	427	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0915	13.26	

Problem:

Action Taken: PT tested within acceptable range. Changed, battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	01-Apr-11
		Time:	11:40
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1113	4830
BY R 1020	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	08-Sep-11
Time:	13:09		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4830-00E
Jumpers:	C:J6,1-2,J3,5off;L:J1,4,11
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
4830	13:15	294			0
4830	13:15	295			0
4833	13:12	1238	5.48 psi		1230
4833	13:13	510	2.22 psi		500

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. 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:	10-Oct-11
		Time:	13:19
Service Type:	OneRain Service Ca	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Poor hydraulic contact.

Action Taken: Flushed intake, resecured intake to bottom of stream.

Site Notes:

Follow-Up: Intake pipe very bent/beat up. Recommend replacement.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	08-Sep-11
		Time:	13:37
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4840	13:45	244			0
4840	13:46	246			0
4843	13:40	1292	5.35 psi		1302
4843	13:41	554	2.32 psi		564

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. 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: **01-Apr-11** Time: **12:41**
Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1104	4840
BY R 1022	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4840-00E**
Jumpers: **C:J6,1-2,J3,5 off**
Eprom: **R1.8 9CA1**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **3.0**
Rev Power: **0.1**
SWR: **1.45**

Test Transmission

Port	Time	Count	Measure	Predicted
4840	13:10	1		0
4840	13:10	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1104	13.09	

Problem:

Action Taken: replaced batt, desc, 2pt test on pt good, tb good, solar good, site ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SBC @ SB Canon Dite** Date: **10-Nov-11** Time: **12:48**
Service Type: **Inspection** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 0634	4840
BY R 1104	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1356	4.97	130	4	0.00

Settings and Performance

Switches: **4840-00E**
Jumpers: **C:J6,1-2,J3,5 off**
Eprom: **R1.8 9CA1**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4843	12:59	1219	5.03 psi	1224
4843	13:00	495	2.06 psi	502

Battery Tests

Battery #	V Quiescent	V Load
BY R 0634	13.05	

Problem:

Action Taken: PT tested within acceptable range. Changed battery, dessicant. Tested txr, OK. Solar OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	11-Jul-11
		Time:	13:05
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4840	13:14	193			0
4840	13:14	194			0
4843	13:10	1205	5.00 psi		1215
4843	13:11	535	2.24 psi		545

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. Good hydraulic contact. TB found clogged, cleaned.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Porphyry Mtn	Date:	01-Jul-11
Service Type:	Inspection	Technician:	PB
		Time:	13:34
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0502	4850
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:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4850	13:56	1110		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0502	13.08	

Problem:

Action Taken: Changed battery, dessicant. RF OK, TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Porphyry Mtn	Date:	18-Aug-11
Time:	10:11	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
4850	10:25	1404		0
4850	10:26	1405		0
4850	10:27	1406		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:	Porphyry Mtn	Date:	14-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	16:59
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, dessicant. RF OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairview Peak	Date:	18-Aug-11
Time:	11:01	Service Type:	Inspection
Technician:	DP	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairview Peak	Date:	14-Nov-11
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:51
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0347	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, desicant. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairview Peak	Date:	01-Jul-11
Service Type:	Inspection	Technician:	PB
			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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed battery and desicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SBC @ South Boulder** Date: **10-Nov-11** Time: **13:53**
Service Type: **Service Call** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port Time Count Measure Predicted

Battery Tests

Battery # V Quiescent V Load

Problem: Open Space requested 1 hr. reporting

Action Taken: Changed PT reporting interval from every 12 hrs to every 1 hr.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ South Boulder	Date:	24-Oct-11
		Time:	14:32
Service Type:	Installation	Technician:	SB/BL
		Status:	PT Down

Configuration Changes	
Part #	Location
TX J 32290	4870

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed Site and PT conduit. PT will be installed at a later date.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SBC @ South Boulder** Date: **01-Nov-11** Time: **11:57**
Service Type: **Installation** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
PT D 3393867	4870

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4873	0.009	-0.0205	0.005

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
4870	12:42	1		0
4873	12:28	2002	7.69 psi	0
4873	12:29	1535	5.89 psi	0
4873	12:30	1104	4.24 psi	0
4873	12:31	601	2.30 psi	0
4873	12:32	245	0.93 psi	0
4873	12:33	900	3.46 psi	898
4873	12:34	404	1.54 psi	401

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed new PT. 70 Feet in length. 55 would be alright. Site OK.

{Auto Entry: Calibrated sensor 4873 by linear regression. Modified calibration data. New calibration [Slope(0.0089), Calibration Offset(-0.0205), Std Error(0.0050), Calibration Date(11/1/2011 12:32:40 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	West Repeater	Date:	06-May-11
Time:	11:39	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:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed pass lists to add 3070 thru 3090 for DoCo sites.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	West Repeater	Date:	07-Jun-11
		Time:	13:04
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: 1 of repeater pair has no status reports. Need to change A2 ID.

Action Taken: Corrected ID for both 8100 rpt and A2 unit.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	02-Jun-11
		Time:	10:04
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: Corrected ALERT 2 ID to 6506.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	14-Jan-11
		Time:	10:37
Service Type:	OneRain Service Ca	Technician:	SB/PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Added ID block 4080 to 4095. Verified on pass list 1. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	24-Jan-11
Time:	15:11		
Service Type:	OneRain Service Ca	Technician:	SB/PB
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: ALERT2 Not Working

Action Taken: Found intermittent power connection on Alert2 board. Repaired. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	28-Jan-11
		Time:	10:43
Service Type:	OneRain Service Ca	Technician:	SB/PB
		Status:	OK

Configuration Changes	
Part #	Location
RP N 2068	8015
RP N 2069	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: Rptr status not being received from alert 2.

Action Taken: replaced txr. added rptr ids in pass list

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Disposed of or Missin** Date: **25-Mar-11** Time: **14:41**
 Service Type: **Administration** Technician: **DP** Status: **Scrapped**

Configuration Changes

Part #	Location
BY R 0414	9999
BY R 0209	9999
BY R 0818	9999
BY R 0802	9999
BY R 0630	9999
BY R 0429	9999
BY R 0426	9999
BY R 0425	9999
BY R 0830	9999

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem:**Action Taken:** Scrapped batteries.**Site Notes:****Follow-Up:**