

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ralston Res	Date:	02-Nov-12
Service Type:	OneRain Service Ca	Technician:	PB/SB
		Time:	13:00
		Status:	Site Down

Configuration Changes	
Part #	Location
TB J 10749	9000
BY R 1112	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. Txr bad IDs. PT erratic. Bench test.

Site Notes:

Follow-Up:

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ONERAIN INCORPORATED

Service Log			
Site Name:	Ralston Res	Date:	14-Sep-12
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
110	11:16	169		0
110	11:16	170		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: TB underperforming.

Action Taken: PT under water. TB cleaned. OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Ralston Res	Date:	07-Aug-12
Time:	12:26	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	12:28	140		0
110	12:29	141		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Could not access PT, underwater. TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name: Ralston Res	Date: 23-Mar-12	Time: 10:24	
Service Type: Start Up	Technician: PB	Status: OK	

Configuration Changes	
Part #	Location
TB J 10749	110
BY R 1112	110
TB J 18576	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
113	0.01	-0.0988	0.0336

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0110-00E
Jumpers:	C:J6,1-2,J3,5off;L:J9,10,1-
Eprom:	R 1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
110	11:02	1		0	
110	11:05	2		0	
110	11:05	4		0	
113	10:49	1908	8.16 psi	1879	
113	10:50	1631	6.98 psi	1606	
113	10:51	1153	4.92 psi	1131	
113	10:52	707	3.00 psi	688	
113	10:53	272	1.13 psi	257	
113	10:54	10	0.00 psi	-3	
113	10:55	1183	5.05 psi	1185	
113	10:56	551	2.33 psi	552	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1112	13.13	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 113 by linear regression. Modified calibration data. New calibration [Slope(0.0099), Calibration Offset(-0.0988), Std Error(0.0336), Calibration Date(3/23/2012 10:55:12 AM)]}.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	08-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 13:41
			Status: Site Down

Configuration Changes	
Part #	Location
TB J 19636	9000
BY R 1113	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	13:44	979	4.74 psi	960	
123	13:45	432	2.10 psi	425	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 49.5"
 TOR to BM: -6"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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ONERAIN INCORPORATED

Service Log			
Site Name:	Croke Pump Stn	Date:	08-Aug-12
Time:	11:20		
Service Type:	OneRain Service Ca	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 1113	120
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
120	11:31	1		0
120	11:31	2		0
120	11:32	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1113	13.11	

Problem: Low battery.

Action Taken: Replaced battery. TB, PT OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	17-Jul-12
Time:	11:51		
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	12:00	124		0	
120	12:00	125		0	
123	11:58	1145	5.65 psi	1144	
123	11:59	430	2.11 psi	428	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	24-Apr-12
Service Type:	Service Call	Technician:	PB/ZC
		Time:	10:38
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
123	0.011	-0.0079	0.0021

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:05	37		0
120	11:08	38		0
120	11:09	39		0
123	10:49	1846	9.10 psi	1890
123	10:50	1434	7.06 psi	1467
123	10:51	1028	5.06 psi	1051
123	10:52	613	3.02 psi	626
123	10:53	224	1.10 psi	228
123	10:55	1040	5.13 psi	1038
123	10:56	420	2.07 psi	419

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed new PT. Set zero point and adjusted span. PT calibrated. PT ok.

{Auto Entry: Calibrated sensor 123 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0079), Std Error(0.0021), Calibration Date(4/24/2012 10:54:39 AM)]}.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	20-Mar-12
Time:	12:25	Service Type:	Installation
Technician:	PB/SB	Status:	OK

Configuration Changes	
Part #	Location
TB J 19636	120
BY R 0907	120
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:	0120-00E
Jumpers:	3,5 Removed
Eprom:	
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	
120	12:47	1		0	
120	12:47	2		0	
123	12:42	1076	5.27 psi	1095	
123	12:43	436	2.13 psi	442	

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

Problem: Slack could not be pulled to PT.
Action Taken: Installed txr, battery, desicant. PT tested within acceptable range. TB OK.
Site Notes: Wait until PT fails, then replace conduit run.
Follow-Up:

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Service Log			
Site Name:	Croke Pump Stn	Date:	05-Sep-12
		Time:	10:45
Service Type:	Inspection	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	
123	10:48	415	2.03 psi	411	
123	10:49	1019	5.01 psi	1015	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes: Gary Williams
 O: 720-898-7780
 C: 303-598-4678
 For when locked out of chain.

Follow-Up:

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Service Log			
Site Name:	Simm St	Date:	17-Oct-12
Time:	9:21	Service Type:	End of Season
Technician:	PB/ZC/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:	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	9:28	1060	5.04 psi	1047	
133	9:29	430	2.08 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Met Kevin Stewart to discuss site reference levels. PT tested within acceptable range. Removed txr, battery, TB. Raised PT for winter.

Stop bolt to top of riser: 22.125"

Top of riser (cap off): 7' 5.75"

Top of wing wall end: 2' 6.75"

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Simm St	Date:	28-Feb-12
Service Type:	Start Up	Technician:	ZC/PB
		Time:	13:07
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25155	130
BY R 1104	130

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
133	13:16	1056	5.07 psi	1055	
133	13:17	432	2.07 psi	431	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1104	13.10	

Problem:

Action Taken: Installed TXR, battery and dessicant. RF ok. PT ok.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Simm St	Date:	26-Jun-12
Service Type:	Inspection	Technician:	ZC
		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	
133	11:15	1000	4.78 psi	994	
133	11:16	416	1.99 psi	414	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Simm St	Date:	05-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	11:04
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0511	130
BY R 1104	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	11:10	1041	5.01 psi	1042	
133	11:11	424	2.05 psi	426	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0511	13.22	

Problem:

Action Taken: PT tested within acceptable range. Replaced Battery.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Blue Mountain	Date:	07-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:19
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Solar OK. TB cleaned, OK. @ 13:23 ID 141 raw = 24 => 24 % RH, ID 142 raw = 118 => 78 deg.f, psychrometer readings Td = 81 deg.F, Tw = 59 deg.F implying RH = 28% and dp = 45 deg.F.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Blue Mountain	Date:	13-Jul-12
Service Type:	Inspection	Technician:	ZC
		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
140	11:47	689		0
140	11:47	690		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:39 ID 141 raw = 28 => 28 % RH. ID 141 raw = 117 => 77 deg. F. Psychrometer reading Td = 82 deg. F, Tw = 61 deg. F, implying 33% RH and 50 deg. F dp. TB OK. Fuel Moisture OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Blue Mountain	Date:	14-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	12:06
		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
140	12:17	754		0
140	12:19	755		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Solar OK. TB OK. @ 13:23 ID 141 raw = 26 => 26 % RH, ID 142 raw = 118 => 62 deg.f, psychrometer readings Td = 68 deg.F, Tw = 48 deg.F implying RH = 28% and dp = 34 deg.F.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Blue Mountain	Date:	10-Apr-12
Service Type:	Inspection	Technician:	PB/ZC
		Time:	10:59
		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
140	11:07	565		0
140	11:08	566		0

Battery Tests		
Battery #	V Quiescent	V Load
BY BOR 701	13.34	

Problem:

Action Taken: Solar OK. TB OK. RF OK. @ 11:10 141 raw = 29 => 29 % RH. 142 raw = 103 => 63 deg. F. Psychrometer reading Td = 66 deg. F, Tw = 50 deg. F, implying 33% RH and 36 deg. F dp. No spare battery available.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
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Service Log			
Site Name:	Blue Mountain	Date:	02-Nov-12
Service Type:	Inspection	Technician:	PB/SB
		Time:	12:00
		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: RF OK. Solar OK. TB OK. @ 12:09 ID 141 raw = 28 => 28% RH, ID 142 raw = 91 => 51 deg.f, psychrometer readings Td = 51 deg.F, Tw = 39 deg.F implying RH = 34% and dp = 24 deg.F.

Site Notes: 3323 key

Follow-Up:

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Service Log			
Site Name:	Nott Creek	Date:	08-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 10:49
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25151	9000
TB H 551	9000
BY R 1037	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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

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Service Log

Site Name: **Nott Creek** Date: **09-Mar-12** Time: **14:45**
Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 25151	150
TB H 551	150
BY R 1037	150

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0150-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.2**
 Rev Power: **0.1**
 SWR: **1.36**

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load
BY R 1037	13.08	

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Nott Creek	Date:	07-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	10:47
		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:	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	10:49	182		0
150	10:49	183		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes:

Follow-Up:

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Service Log			
Site Name:	Leyden Reservoir	Date:	08-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 14:22
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 14148	9000
TB J 23084	9000
BY R 0405	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
203	0.022	1.5743	0.3385
203	0.022	1.8395	0.3939

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:28	852	8.53 psi	872	
203	14:31	1020	10.27 psi	1048	
203	14:32	724	7.48 psi	766	
203	14:33	542	5.78 psi	594	
203	14:34	344	3.92 psi	406	
203	14:35	116	1.77 psi	188	
203	14:38	987	10.39 psi	1032	
203	14:39	731	7.92 psi	769	
203	14:40	520	5.85 psi	549	
203	14:41	313	3.84 psi	336	
203	14:42	122	1.99 psi	138	
203	14:47	1059	10.23 psi	971	
203	14:47	831	8.00 psi	742	
203	14:48	628	6.03 psi	539	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Adjusted sig. cond., recalibrated. Raised PT for winter. Removed txr, battery, TB.

SB to TOR: 247.25
 TOR to BM - 8.5

{Auto Entry: Calibrated sensor 203 by linear regression. Modified calibration data. New calibration [Slope(0.0225), Calibration Offset(-0.1952), Std Error(0.0616), Calibration Date(11/8/2012 2:49:23 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Leyden Reservoir** Date: **28-Feb-12** Time: **12:39**
 Service Type: **Start Up** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 14148	200
TB J 23084	200
BY R 0405	200

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0200-00D**
 Jumpers: **C:J6,1-2,J3,5 off; L:J8,9,1-**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
200	12:48	1		0
200	12:48	2		0
203	12:53	508	4.96 psi	511
203	12:55	226	2.19 psi	231

Battery Tests

Battery #	V Quiescent	V Load
BY R 0405	13.20	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Reservoir	Date:	07-Aug-12
		Time:	14:08
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
200	14:09	119		0
200	14:09	120		0
200	14:09	121		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:	Leyden Reservoir	Date:	17-Jul-12
Time:	11:30		
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
200	11:39	108		0
200	11:40	109		0
200	11:40	110		0
203	11:35	568	5.55 psi	570
203	11:36	242	2.42 psi	253

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Reservoir	Date:	05-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		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	
200	10:23	124		0	
200	10:23	125		0	
203	10:20	535	5.13 psi	528	
203	10:21	220	2.10 psi	221	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB funnel cleaned. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Conf.	Date:	05-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	11:18
		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	
210	11:19	138		0	
210	11:20	139		0	
213	11:22	1053	5.08 psi	1068	
213	11:23	414	2.03 psi	428	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Conf.	Date:	17-Oct-12
Service Type:	End of Season	Technician:	PB/ZC/SB
			Time: 9:47
			Status: OK

Configuration Changes	
Part #	Location
TX J 8696	9000
TB J 8373	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:	0210-3-0
Jumpers:	C:JB6,1-2 L:JB9,10, 1-2
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	
213	9:54	880	4.25 psi	894	
213	9:55	426	2.11 psi	445	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to top of riser (cap off): 31.25"

Top of riser: 8' 1.75"

Top of W control structure: 3' 1.25"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Leyden Conf.** Date: **14-Mar-12** Time: **14:14**
 Service Type: **Start Up** Technician: **PB/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8696	210
TB J 8373	210
PT D 3336493	210
BY R 0509	210
PT D 2311810	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
213	0.011	-0.0203	0.0077

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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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: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
210	15:14	1		0
210	15:15	2		0
213	14:19	1924	9.15 psi	2021
213	14:21	1468	6.98 psi	1540
213	14:21	1065	5.06 psi	1115
213	14:22	635	3.02 psi	661
213	14:22	205	0.97 psi	206
213	14:23	2	0.00 psi	-8
213	14:23	1102	5.24 psi	1101
213	14:24	447	2.11 psi	445

Battery Tests

Battery #	V Quiescent	V Load
BY R 0509	12.96	

Problem:

Action Taken: Installed txr, battery, dessicant. 213 decoding erratic values. Replaced PT with 120 foot unit. 100' in place originally. Calibrated.

{Auto Entry: Calibrated sensor 213 by linear regression. Modified calibration data. New calibration [Slope(0.0110), Calibration Offset(-0.0203), Std Error(0.0077), Calibration Date(3/20/2012 2:23:15 PM)]}.

Site Notes: 3 minute PT.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Leyden Conf.	Date:	26-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:27
		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	
210	11:31	70		0	
210	11:31	71		0	
213	11:29	1037	4.96 psi	1042	
213	11:30	434	2.12 psi	446	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT dry at inspection. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Leyden	Date:	28-Feb-12
		Time:	11:45
Service Type:	Start Up	Technician:	ZC/PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1207	220

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0220-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.5
Rev Power:	0.1
SWR:	1.41

Test Transmission				
Port	Time	Count	Measure	Predicted
220	11:49	2		0
220	11:49	2		0
220	11:49	3		0
220	11:51	4		0
220	11:51	5		0
220	11:52	6		0
220	11:52	13		0
220	11:52	19		0
220	11:52	25		0
220	11:52	26		0
220	11:56	27		0
220	11:56	28		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1207	13.20	

Problem:

Action Taken: Installed battery, dessicant and TB. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Upper Leyden** Date: **01-Nov-12** Time: **15:04**
Service Type: **End of Season** Technician: **SB** Status: **Site Down**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

Switches: **0220-0012-0112-11011**
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

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Removed battery and TB for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Leyden	Date:	07-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	12:44
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
220	12:46	177		0
220	12:46	178		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-Sep-12
Time:	11:33	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: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Van Bibber Park** Date: **22-Feb-12** Time: **9:46**
Service Type: **Service Call** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25451	300
BY R 0808	300

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
300	10:07	1		0
300	10:07	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0808	13.10	

Problem: Transmitter has bit flip on rain.

Action Taken: Replaced txr, battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber Park	Date:	15-Feb-12
Time:	14:44	Status:	OK
Service Type:	Start Up	Technician:	ZC/PB

Configuration Changes	
Part #	Location
TX J 13313	300
TB J 18576	300
BY R 0813	300

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0300-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.2
Rev Power:	0.1
SWR:	1.43

Test Transmission				
Port	Time	Count	Measure	Predicted
300	14:55	1		0
300	14:56	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0813	13.36	

Problem:

Action Taken: Installed TXR, Battery, TB and Dessicant. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber Park	Date:	08-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	13:14
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25451	9000
TX J 13313	9000
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

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:	Van Bibber Park	Date:	07-Aug-12
Time:	14:46		
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
300	14:47	144		0
300	14:47	145		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:	Guy Hill	Date:	08-Oct-12
Service Type:	End of Season	Time:	10:05
		Technician:	PB/ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 19666	9000
TB J 23177	9000
BY R 1213	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 for season. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Guy Hill**Date: **09-Mar-12**Time: **13:59**Service Type: **Start Up**Technician: **SB/ZC**Status: **OK****Configuration Changes**

Part #	Location
TX J 19666	310
TB J 23177	310
BY R 1213	310

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0310-3-0**
 Jumpers:
 Eprom:
 Tx Freq: **169.000**
 Rx Freq:
 Fwd Power: **3.8**
 Rev Power: **0.1**
 SWR: **1.39**

Test Transmission

Port	Time	Count	Measure	Predicted
310	14:05	0		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1213		13.36

Problem:**Action Taken:** Installed Battery, TXR, TB, and Desiccant. RF OK. TB OK.**Site Notes:****Follow-Up:** Monitor output watts of Radio

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Guy Hill	Date:	07-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	11:31
		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
310	11:33	162		0
310	11:33	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:	Sports Complex	Date:	05-Sep-12
Time:	11:34		
Service Type:	Inspection	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	
320	11:35	127			0
320	11:35	128			0
323	11:36	1074	5.12 psi		1058
323	11:37	440	2.08 psi		432

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Cleared PT intake. Screen blown out of TB, put back in. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sports Complex** Date: **14-Mar-12** Time: **13:41**
 Service Type: **Start Up** Technician: **PB/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25148	320
TB J 18560	320
BY R 1038	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: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
320	13:58	1		0
320	13:59	2		0
323	13:51	1279	6.12 psi	1264
323	13:52	445	2.12 psi	440

Battery Tests

Battery #	V Quiescent	V Load
BY R 1038	13.10	

Problem:

Action Taken: Installed txr, battery, dessicant. PT tested within acceptable range. TB OK.

Site Notes: Used Red Rocks txr. Changed it's frequency to 169.525.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sports Complex	Date:	17-Oct-12
Service Type:	End of Season	Technician:	PB/ZC/SB
			Time: 10:10
			Status: OK

Configuration Changes	
Part #	Location
TX J 25148	9000
TB J 18560	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:	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
323	10:17	436	2.04 psi	424	
323	10:18	959	4.54 psi	939	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to top of riser (cap off): 21"

Top of riser (cap off): 8'-7.75"

Corner of manhole pad SE of SP: 3'-9.75"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sports Complex	Date:	26-Jun-12
Time:	10:44	Service Type:	Inspection
Technician:	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	
320	10:48	72			0
320	10:49	73			0
323	10:46	1067	5.10 psi		1053
323	10:47	422	1.99 psi		413

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable ranges. Cleand TB. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber @ 93	Date:	14-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	10:30
		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	
330	10:38	181			0
330	10:38	182			0
333	10:34	1244	6.06 psi		1242
333	10:35	430	2.09 psi		437

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Van Bibber @ 93** Date: **28-Feb-12** Time: **12:05**
 Service Type: **Start Up** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25154	330
TB H 557	330
BY R 1203	330

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0330-0012-1112-11011**
 Jumpers: **W4,W10**
 Eprom: **B**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **3.5**
 Rev Power: **0.1**
 SWR: **1.41**

Test Transmission

Port	Time	Count	Measure	Predicted
330	12:17	1		0
330	12:18	2		0
333	12:18	1033	5.06 psi	1039
333	12:19	409	2.00 psi	420

Battery Tests

Battery #	V Quiescent	V Load
BY R 1203	13.30	

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok. TXR ok. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber @ 93	Date:	08-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	10:10
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25154	9000
TB H 557	9000
BY R 1203	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	10:16	1102	5.39 psi	1105	
333	10:17	451	2.20 psi	460	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to TOR: 76-7/8"
 TOR: 5' 7"
 BM: 0' 7-3/4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Van Bibber @ 93	Date:	17-Jul-12
Time:	12:17	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	
333	12:22	1002	4.92 psi	1012	
333	12:23	423	2.08 psi	435	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	12-Sep-12
Service Type:	Inspection	Technician:	PB
			Time: 14:14
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
403	0.012	-0.0268	0.0169

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:27	44			0
400	14:27	46			0
403	14:18	1814	9.05 psi		1665
403	14:19	1348	6.71 psi		1234
403	14:20	1005	4.98 psi		914
403	14:21	612	3.06 psi		560
403	14:22	213	1.05 psi		190
403	14:23	1022	5.11 psi		1027
403	14:24	387	1.92 psi		388

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

{Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.0268), Std Error(0.0169), Calibration Date(9/12/2012 2:23:09 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	12-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:14
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
403	0.013	0.0565	0.0146

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:28	124			0
400	11:28	125			0
403	11:16	930	5.05	psi	1015
403	11:17	388	2.11	psi	426
403	11:19	1662	9.03	psi	1814
403	11:20	1289	7.03	psi	1411
403	11:21	924	5.04	psi	1014
403	11:22	552	3.02	psi	608
403	11:23	188	1.04	psi	211
403	11:25	948	5.19	psi	953
403	11:26	374	2.06	psi	375

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable limits. PT recalibrated. TB ok.

{Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0125), Calibration Offset(0.0565), Std Error(0.0146), Calibration Date(7/12/2012 11:24:43 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	16-Jul-12
Service Type:	Service Call	Technician:	ZC/PB
		Time:	13:20
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1131	400
BY R 0317	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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 1131	13.33	

Problem:

Action Taken: Battery low-Replaced battery. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	27-Nov-12
Time:	12:08	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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
403	12:16	975	4.97 psi	999	
403	12:17	405	2.04 psi	411	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 33"
TOR: 7'-5.25"
BM (Corner of wing wall next to SP): 1'-9.75"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Montview Park	Date:	02-Mar-12
Service Type:	Start Up	Technician:	PB/ZC
		Time:	11:33
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11035	400
TB J 18583	400
BY R 0317	400

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
403	0.012	-0.0276	0.0125

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:44	1808	9.03 psi	1672	
403	11:45	1402	7.01 psi	1296	
403	11:46	1009	5.05 psi	931	
403	11:47	623	3.11 psi	571	
403	11:48	237	1.18 psi	211	
403	11:49	4	0.00 psi	-8	
403	11:50	1009	5.07 psi	1019	
403	11:51	419	2.11 psi	425	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0317	13.10	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 403 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.0276), Std Error(0.0125), Calibration Date(3/2/2012 11:50:12 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	26-Mar-12
Service Type:	Start Up	Technician:	PB
		Time:	13:00
		Status:	PT Down

Configuration Changes	
Part #	Location
TX J 8693	410
TB J 13269	410
BY R 0434	410

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
410	13:20	1		0
410	13:21	2		0
410	13:21	3		0
410	13:22	4		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK. PT down.

Site Notes:

Follow-Up: Re-install conduit and PT to new outlet.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kelly Dam	Date:	30-Nov-12
Service Type:	Service Call	Technician:	PB/ZC
		Time:	10:55
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 8693	9000
TB J 13269	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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Reinstalled conduit, PT on new outlet structure. Field tested PT and sig.cond. unit. V-ref on txr found to be low, bench test, replace txr at startup. Raised for winter. Removed txr, battery, TB.

SB to TOR: 85"
 TOR: 4'-3"
 BM (top of concrete outlet structure): 4'-7.75"

Site Notes:

Follow-Up: Replace txr at startup.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Kelly Dam

Date: 14-Sep-12

Time: 13:58

Service Type: Inspection

Technician: ZC

Status: OK

Configuration Changes

Part #	Location
BY R 0948	410
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:

Jumpers:

Eprom:

Tx Freq:

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
410	14:14	1		0
410	14:15	2		0
410	14:15	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0948	13.03	

Problem:**Action Taken:** Replaced battery. Cleaned TB funnel. TB ok.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	31-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	13:57
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 11036	9000
TB J 16739	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	14:00	1223	6.10 psi	1210	
423	14:01	419	2.03 psi	401	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, TB, battery and dessicant. PT tested OK. PT raised for end of season.

Stop to T.O Riser: 94 1/2"
T.O. Riser measurement: 7' - 5"
Benchmark measurement: 4' - 8 3/4" (NE corner of concrete outlet structure.)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	05-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	14:23
		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	
420	14:31	72			0
420	14:31	73			0
423	14:28	1058	5.31 psi		1052
423	14:29	423	2.11 psi		417

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Expo Park	Date:	27-Feb-12
Time:	14:51	Service Type:	Start Up
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
TX J 11036	420
TB J 16739	420
BY R 0502	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	15:10	1		0	
423	15:06	1210	6.05 psi	1200	
423	15:07	622	3.10 psi	613	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0502	13.20	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	27-Feb-12
Service Type:	Start Up	Technician:	PB/ZC
		Time:	14:15
		Status:	OK

Configuration Changes	
Part #	Location
TX J 27310	430
TB J 23302	430
BY R 0250	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:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
433	14:32	989	5.06 psi	994	
433	14:34	401	2.04 psi	399	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0250	13.10	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	05-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:21
		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	
433	13:29	997	5.08 psi	997	
433	13:30	407	2.06 psi	402	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	13-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	13:48
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
430	13:54	409			0
433	13:52	1013	5.12 psi		1004
433	13:53	370	1.86 psi		362

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Utah Park	Date:	01-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 13:01
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 27310	9000
TB J 23302	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	
433	13:03	970	4.87 psi	955	
433	13:04	458	2.31 psi	450	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to TOR: 110.625"
 TOR to concrete: 4.375"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS#7	Date:	01-Aug-12
Time:	12:30		
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
440	12:30	134		0
440	12:31	135		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: **Aurora FS#7** Date: **13-Feb-12** Time: **12:10**
Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 18543	440
TB J 24476	440
BY R 0810	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: **4.9**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
440	12:20	1		0
440	12:20	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0810	13.00	

Problem:

Action Taken: Installed TXR, Battery, TB and dessicant. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS#7	Date:	01-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 13:23
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18543	9000
TB J 24476	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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, txr, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Havana Park** Date: **14-Sep-12** Time: **13:33**
 Service Type: **Inspection** Technician: **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
500	13:45	237		0
500	13:46	238		0
503	13:39	456	2.08 psi	443
503	13:42	1082	5.10 psi	1070

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	31-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	14:29
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15784	9000
TB J 29967	9000
BY R 1138	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0500-00E
Jumpers:	3,5 Off
Eprom:	3 Min Sample
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
503	14:35	436	1.98 psi	422	
503	14:36	981	4.60 psi	966	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, TB, battery and dessicant. PT tested OK. Raised PT for end of season.

Stop to T.O Riser: 28 1/2"
 T.O. Riser measurement: 7' - 0 1/2"
 Benchmark measurement: 2' -10 3/4" (SE corner of overflow outlet structure curb.)

Site Notes:

Follow-Up: Site needs to PT dessicant box (pass through only)

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Havana Park

Date: 21-Feb-12

Time: 11:47

Service Type: Start Up

Technician: PB

Status: OK

Configuration Changes

Part #	Location
TX J 15784	500
TB J 29967	500
BY R 1138	500

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
503	0.011	-0.1137	0.0413

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: 169.000
Rx Freq:
Fwd Power: 4.0
Rev Power: 0.1
SWR: 1.25

Test Transmission

Port	Time	Count	Measure	Predicted
503	12:29	1931	9.27 psi	1932
503	12:30	1472	7.05 psi	1476
503	12:30	1059	5.06 psi	1066
503	12:31	641	3.05 psi	651
503	12:32	218	1.00 psi	231
503	12:32	11	0.00 psi	24
503	12:34	1072	5.13 psi	1077
503	12:34	436	2.06 psi	438

Battery Tests

Battery #	V Quiescent	V Load
BY R 1138	13.20	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT cable signal wire spliced. Calibrated.

{Auto Entry: Calibrated sensor 503 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.1137), Std Error(0.0413), Calibration Date(2/21/2012 12:33:34 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Havana Park	Date:	05-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:49
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
500	14:02	59			0
500	14:10	60			0
503	14:05	444	2.04 psi		434
503	14:08	1071	5.05 psi		1060

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. PT dry at inspection. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Virginia Court	Date:	31-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
			Time: 13:20
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18542	9000
TB J 19496	9000
BY R 0401	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance
Switches:
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 and dessicant for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Virginia Court** Date: **06-Aug-12** Time: **13:06**
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
510	13:07	160		0
510	13:08	161		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:	Virginia Court	Date:	13-Feb-12
		Time:	13:28
Service Type:	Start Up	Technician:	SB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 18542	510
TB J 19496	510
BY R 0401	510

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0510-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
510	13:34	1		0
510	13:37	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0401	13.37	

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: **Jewell Detention** Date: **13-Feb-12** Time: **13:01**
Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 18540	520
TB J 24912	520
BY R 0256	520

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0520-00E**
 Jumpers: **5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.7**
 Rev Power: **0.0**
 SWR: **1.1**

Test Transmission

Port	Time	Count	Measure	Predicted
520	13:12	1		0
520	13:12	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0256	13.05	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Jewell Detention** Date: **14-Sep-12** Time: **13:03**
Service Type: **OneRain Service Ca** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1220	520
BY R 0256	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
520	13:13	1		0
520	13:13	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1220	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:	Jewell Detention	Date:	01-Aug-12
Time:	12:44		
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
520	12:45	147		0
520	12:45	148		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: **01-Nov-12** Time: **12:03**
Service Type: **End of Season** Technician: **PB/ZC** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 18533	9000
TB J 21318	9000
BY R 2221	9000

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

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, txr, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver FS #19	Date:	06-Aug-12
Time:	12:05		
Service Type:	OneRain Service Ca	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 2221	530
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

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Low battery

Action Taken: Changed battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Denver FS #19** Date: **13-Feb-12** Time: **14:24**
Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 18533	530
TB J 21318	530
BY R 0606	530

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0530-3-D**
Jumpers:
Eprom:
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.2**
Rev Power: **0.1**
SWR: **1.36**

Test Transmission

Port	Time	Count	Measure	Predicted
530	14:32	1		0
530	14:32	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0606	12.97	

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: **Parker and Miss.** Date: **13-Feb-12** Time: **13:58**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 18532	540
TB J 23174	540
BY R 1005	540

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0540-00E**
 Jumpers: **5 Off**
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **5.0**
 Rev Power: **0.0**
 SWR: **1**

Test Transmission

Port	Time	Count	Measure	Predicted
540	14:10	1		0
540	14:10	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1005	13.40	

Problem:

Action Taken: Installed TXR, battery, TB and dessicant. TXR ok, RF ok. Cleaned Funnel.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Parker and Miss.	Date:	06-Aug-12
Time:	12:29		
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
530	12:14	1		0
530	12:14	2		0
540	12:30	149		0
540	12:30	150		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:	01-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 12:24
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18532	9000
TB J 23174	9000
BY R 1005	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, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Harvard Gulch Pk** Date: **11-Sep-12** Time: **12:49**
Service Type: **Inspection** Technician: **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
600	12:55	146		0
600	12:55	147		0
603	12:52	408	2.09 psi	385
603	12:53	952	5.01 psi	934

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested ok. TB ok

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Harvard Gulch Pk	Date: 13-Nov-12	Time: 11:59
Service Type: End of Season	Technician: PB/ZC	Status: Site Down

Configuration Changes

Part #	Location
TX J 8691	9000
TB J 08382	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	12:05	786	4.11 psi	765
603	12:06	360	1.97 psi	362

Battery Tests

Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 81"
TOR: 5'-6.5"
BM (UDFCD BM): 3'-10.875"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard Gulch Pk	Date:	02-Jul-12
Service Type:	OneRain Service Ca	Technician:	PB
		Time:	10:47
		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	
603	10:49	908	4.97 psi	925	
603	10:50	388	2.14 psi	395	
603	11:16	994	5.35 psi	997	
603	11:17	911	4.90 psi	912	
603	11:18	379	2.01 psi	371	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT stopped reporting. Possibly dry.

Action Taken: PT tested OK. Confirmed RF data reception @ base station. Adjusted signal conditioning so that zero will be positive, will monitor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard Gulch Pk	Date:	16-Feb-12
Service Type:	Start Up	Technician:	ZC/DP
			Time: 11:37
			Status: OK

Configuration Changes	
Part #	Location
TX J 8691	600
TB J 08382	600
BY R 1134	600

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
600	11:52	1		0	
600	11:53	2		0	
603	11:48	585	3.13 psi	581	
603	11:49	210	1.14 psi	208	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1134	13.10	

Problem:

Action Taken: Installed TXR, Battery, TB and Dessicant. PT ok, PT Dropped. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard Gulch Pk	Date:	30-May-12
Service Type:	Inspection	Technician:	ZC
		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	
600	12:40	66		0	
600	12:40	67		0	
603	12:42	856	4.63 psi	862	
603	12:43	372	2.00 psi	367	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT Tested within acceptable range. PT OK. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	30-May-12
Service Type:	Inspection	Technician:	ZC
		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	
610	13:08	67			0
610	13:09	68			0
613	13:20	1123	5.52 psi		1128
613	13:21	416	2.05 psi		420

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT Tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	13-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	11:26
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 148	9000
TB J 8374	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	
613	11:32	1097	5.29 psi	1082	
613	11:33	414	2.01 psi	412	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 18"
 TOR: 7'-0.25"
 BM (SE bridge abuttment): 3'-6.25"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	11-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:20
		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	
610	13:28	8			0
610	13:28	9			0
613	13:24	1073	5.21 psi		1065
613	13:25	427	2.08 psi		425

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested ok. TB ok. Flushed PT riser.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Harvard/Jackson	Date:	01-Aug-12
		Time:	10:23
Service Type:	OneRain Service Ca	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0505	610
BY R 0327	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
613	10:37	1046	5.14 psi	1051	
613	10:38	473	2.33 psi	477	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Battery low. PT txing high values intermittently.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Harvard/Jackson** Date: **06-Mar-12** Time: **11:44**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 148	610
TB J 8374	610
BY R 0327	610

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
613	0.011	-0.0137	0.0038

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
610	12:12	1		0
610	12:13	2		0
613	12:05	1845	9.05 psi	2027
613	12:06	1421	6.97 psi	1553
613	12:06	1020	5.00 psi	1104
613	12:06	644	3.16 psi	682
613	12:07	246	1.20 psi	235
613	12:07	917	4.50 psi	920
613	12:07	386	1.89 psi	387

Battery Tests

Battery #	V Quiescent	V Load
BY R 0327		13.06

Problem:

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

{Auto Entry: Calibrated sensor 613 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.0137), Std Error(0.0038), Calibration Date(3/6/2012 12:07:14 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy/Highline	Date:	14-Feb-12
Service Type:	Start Up	Technician:	ZC/PB
		Time:	14:43
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15788	620
TB J 21358	620
BY R 0335	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:	3.3
Rev Power:	0.1
SWR:	1.42

Test Transmission				
Port	Time	Count	Measure	Predicted
620	14:53	1		0
620	14:53	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0335	13.20	

Problem:

Action Taken: Installed TXR, Battery and Dessicant. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy/Highline	Date:	22-Oct-12
Service Type:	End of Season	Technician:	ZC
			Time: 10:31
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 15788	9000
TB J 21358	9000
BY R 0335	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0620-00E
Jumpers:	5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery, TB and dessicant. Tested RF. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy/Highline	Date:	01-Aug-12
Time:	10:53		
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
620	10:55	447		0
620	10:55	192		0
620	10:56	193		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:	31-May-12
Service Type:	Inspection	Technician:	ZC
		Time:	14:51
		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	
630	14:53	130			0
633	14:57	1082	5.18 psi		1091

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT Tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Temple Pond Date: 22-Feb-12 Time: 12:54
 Service Type: Start Up Technician: PB/ZC Status: OK

Configuration Changes

Part #	Location
TX J 8697	630
TB J 21334	630
BY R 1002	630

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
633	0.011	-0.1596	0.0542

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 0630-00E
 Jumpers: C:JB3,5 off, JB6 1-2
 Eprom: 3 min sample
 Tx Freq: 169.500
 Rx Freq:
 Fwd Power: 4.0
 Rev Power: 0.1
 SWR: 1.38

Test Transmission

Port	Time	Count	Measure	Predicted
633	13:04	1772	8.47 psi	1721
633	13:04	1493	7.13 psi	1449
633	13:05	1080	5.14 psi	1046
633	13:06	642	3.03 psi	619
633	13:06	258	1.18 psi	245
633	13:07	15	0.00 psi	7
633	13:08	1064	5.06 psi	1067
633	13:08	467	2.19 psi	468

Battery Tests

Battery #	V Quiescent	V Load
BY R 1002	13.20	

Problem:

Action Taken: Installed txr, battery, desicant, TB. Calibrated PT.

{Auto Entry: Calibrated sensor 633 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.1596), Std Error(0.0542), Calibration Date(2/22/2012 1:07:32 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Temple Pond	Date:	10-Jul-12
Service Type:	OneRain Service Ca	Technician:	SB
		Time:	12:36
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
630	12:41	481		0
630	12:41	482		0
630	12:47	483		0
630	12:48	484		0
630	13:05	485		0
630	13:06	486		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Site was reporting above average rainfall. Assumed irrigation. TB is working correctly. Found irrigation control panel tampered with. Lock is destroyed. Suspect vandalism. Need to contact parks and recreation. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Temple Pond	Date:	13-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	9:53
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 8697	9000
TB J 21334	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	10:00	1002	4.66 psi	982	
633	10:00	475	2.17 psi	466	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 93.5"
 TOR: 7'-1.75"
 BM (NW corner of concrete culvert): 6'-1.875"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Temple Pond	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
			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	
630	12:01	748			0
630	12:01	749			0
633	12:03	1066	5.07 psi		1068
633	12:06	438	2.05 psi		439

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	04-Jun-12
Time:	12:58	Service Type:	Inspection
Technician:	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	
640	13:05	126		0	
640	13:05	127		0	
643	13:01	1067	5.17 psi	1053	
643	13:02	431	2.07 psi	420	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Goldsmith/E'man Date: 26-Mar-12 Time: 12:27
Service Type: OneRain Service Ca 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
643	12:35	671	3.27 psi	665
643	12:36	182	0.89 psi	179

Battery Tests

Battery # V Quiescent V Load

Problem: PT had not reported since installation.

Action Taken: Found riser to be dry. Zero calibrated to -2 counts. Performed 2-point test. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Goldsmith/E'man	Date:	05-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	13:14
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15789	640
TB J 3976	640
BY R 0305	640

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0640-00E
Jumpers:	C:J6,1-2,J3,5off; L:J9,10 1
Eprom:	R1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
640	13:33	1		0	
640	13:33	1		0	
640	13:35	2		0	
640	13:35	3		0	
643	13:30	1229	5.99 psi	1219	
643	13:31	618	3.01 psi	613	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0305	13.20	

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Goldsmith/E'man** Date: **13-Nov-12** Time: **10:23**
 Service Type: **End of Season** Technician: **PB/ZC** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 15789	9000
TB J 3976	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
643	10:27	1234	5.99 psi	1220
643	10:28	372	1.85 psi	374

Battery Tests

Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 30.5"
 TOR to BM (concrete next to riser): -3.75"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Goldsmith/E'man Date: 13-Sep-12 Time: 12:22
Service Type: Inspection Technician: 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
640	12:29	332		0
640	12:29	333		0
643	12:26	462	2.23 psi	452
643	12:27	1044	5.05 psi	1028

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested OK. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Iliff Pond	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	12:50
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
653	0.011	0.0783	0.02

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	13:12	35			0
650	13:13	36			0
653	12:56	1958	9.19 psi		1828
653	12:57	1507	7.09 psi		1409
653	12:58	1087	5.11 psi		1015
653	12:59	645	3.05 psi		605
653	13:00	213	1.04 psi		206
653	13:01	1106	5.24 psi		1111
653	13:02	438	2.10 psi		441
654	13:08	1108	5.06 psi		1101
654	13:09	453	2.06 psi		448

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT ID 653 tested outside of range. PT calibrated. PT ID 654 tested ok. TB ok.

{Auto Entry: Calibrated sensor 653 by linear regression. Modified calibration data. New calibration [Slope(0.0108), Calibration Offset(0.0783), Std Error(0.0200), Calibration Date(9/13/2012 1:00:47 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Iliff Pond	Date:	13-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 10:42
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18531	9000
TB J 13776	9000
BY R 1226	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
653	0.011	0.1135	0.0333

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:47	1844	8.00 psi	1701	
653	10:48	1377	6.68 psi	1420	
653	10:49	1907	9.24 psi	1966	
653	10:50	1526	7.36 psi	1565	
653	10:51	1038	5.02 psi	1066	
653	10:52	595	2.92 psi	616	
653	10:53	229	1.16 psi	240	
653	10:54	1181	5.70 psi	1174	
653	10:55	422	2.08 psi	422	
654	11:02	1115	5.07 psi	1102	
654	11:03	461	2.10 psi	456	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT 653 (stream) tested outside acceptable range. Recalibrated. Raised PT for winter.

SB to TOR: 33.875"
 TOR: 7'-3.75"
 BM (top of inlet structure with railing): 3'-5.25"

PT 654 (basin) tested within acceptable range. Raised PT for winter.

SB to top of reducing T: 8.125"
 Top of reducing T to BM (corner of concrete next to riser, low step): 2.375"

Removed txr, battery, TB.

{Auto Entry: Calibrated sensor 653 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(0.1135), Std Error(0.0333), Calibration

#: 300690

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Site ID: 650

Date(11/13/2012 10:53:22 AM)}}.

Site Notes: 3 captive nuts in SP loose.

Follow-Up: Replace captive nuts.

Service Log

Site Name: **Iliff Pond** Date: **04-Jun-12** Time: **13:17**
Service Type: **Inspection** Technician: **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
650	13:22	56		0
653	13:24	1000	5.00 psi	993
653	13:25	417	2.15 psi	427
654	13:29	1139	5.25 psi	1140
654	13:30	462	2.13 psi	462

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT's tested within acceptable range. PT ok. Pond PT dry at inspection. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Iliff Pond** Date: **14-Aug-12** Time: **14:32**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1226	650
BY R 0947	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
650	14:42	1		0
650	14:43	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1226	12.65	

Problem: Low battery.

Action Taken: Replaced battery. TB OK, PTs OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Iliff Pond** Date: **05-Mar-12** Time: **13:50**
Service Type: **Start Up** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 18531	650
TB J 13776	650
BY R 0947	650

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
653	0.012	0.0072	0.0042
654	0.011	0.013	0.0065

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0659-00E**
Jumpers: **3,4,5 Off**
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
650	15:06	1		0
650	15:06	2		0
653	14:24	1223	5.95 psi	1196
653	14:27	1888	9.01 psi	1850
653	14:28	1469	7.03 psi	1428
653	14:29	1051	5.08 psi	1010
653	14:30	627	3.10 psi	587
653	14:31	188	1.05 psi	149
653	14:47	1792	8.97 psi	1881
653	14:48	1407	7.06 psi	1473
653	14:49	1020	5.11 psi	1057
653	14:50	618	3.09 psi	626
653	14:52	1036	5.19 psi	1032
653	14:53	416	2.08 psi	412

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok. PT's tested outside of acceptable ranges. PT's recalibrated. PT's OK.

{Auto Entry: Calibrated sensor 654 by linear regression. Modified calibration data. New calibration [Slope(0.0106), Calibration Offset(0.0130), Std Error(0.0065), Calibration Date(3/5/2012 2:17:28 PM)].}

{Auto Entry: Calibrated sensor 653 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(0.0072), Std Error(0.0042), Calibration Date(3/5/2012 2:51:54 PM)].}

Site Notes:

Follow-Up: Needs captive nuts.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	21-Feb-12
		Time:	13:10
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:
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: Bubbler reading 3.74 ft. Staff gauge reading ~3.72 in frozen creek. TB OK. Txr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	12-Sep-12
		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
700	13:54	108		0
700	13:55	109		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Bubbler line remains cut. USGS fix?

Site Notes:

Follow-Up: Repair bubbler line.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	31-Oct-12
Time:	10:57	Service Type:	End of Season
Technician:	ZC/SB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
700	11:12	145		0
700	11:13	146		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok. Solar OK. RF OK. Bubbler line still down.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	18-Jan-12
Service Type:	End of Season	Technician:	PB
			Time: 10:56
			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
700	11:01	133		0
700	11:02	134		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Bubbler reading 3.29 ft. Staff gauge reading ~3.75 in frozen creek. TB OK. Txr OK.

Site Notes: Brush clearing has taken place, making access to staff gauge/bubbler site difficult.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Tollgate at 6th	Date:	20-Apr-12
Service Type:	Service Call	Technician:	PB/ZC
			Time: 11:46
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Bubblers reporting same value. No stage changes.

Action Taken: Cycled power, reset DCP. Bubbler purged from DCP multiple times successfully. Dug out conduit line, confirmed bubbles. Purged. Battery OK at 12.76V off solar. Solar OK. H-350 DCP seems OK. Checked RS-485 control connection, reconnected. Checked solid copper input line, reconnected. Manual purged on H-355 Bubbler successful. Bubbler not responding SDI-12 or analog H-350 data requests. ALERT output OK.

Site Notes:

Follow-Up: Research other potential issues in DA manuals.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	06-Jun-12
Time:	11:50		
Service Type:	OneRain Service Ca	Technician:	PB/ZC
Status:	OK		

Configuration Changes	
Part #	Location
PT D 2282569	710
PT D 3121126	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
713	0.012	-0.0624	0.0217

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:54	1688	8.45 psi	2345	
713	11:55	1400	7.00 psi	1942	
713	11:56	1029	5.14 psi	1423	
713	11:57	606	3.01 psi	834	
713	11:58	227	1.12 psi	306	
713	11:59	7	0.01 psi	-1	
713	12:00	990	4.95 psi	990	
713	12:01	411	2.03 psi	410	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT dead

Action Taken: Replaced PT with 100' from Croke. Calibrated. Txr OK. TB OK.

{Auto Entry: Calibrated sensor 713 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(-0.0624), Std Error(0.0217), Calibration Date(6/6/2012 11:59:27 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Horseshoe Park** Date: **01-Aug-12** Time: **13:04**
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
710	13:04	59		0
710	13:05	60		0
710	13:05	60		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:	Horseshoe Park	Date:	01-Nov-12
Time:	13:42		
Service Type:	End of Season	Technician:	PB/ZC
Status:	Site Down		

Configuration Changes	
Part #	Location
TX J 4397	9000
TB J 10736	9000
BY R 1006	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	13:49	956	4.71 psi	962	
713	13:50	466	2.26 psi	466	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop to TOR: 21 1/4"
 TOR measurement: 3'-8.25"
 BM measurement: 5'-4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	13-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	12:57
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
713	0.011	-0.0931	0.0212

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	13:17	88			0
710	13:17	89			0
713	13:08	1811	8.90 psi		1774
713	13:09	1372	6.75 psi		1348
713	13:10	1023	5.00 psi		1000
713	13:12	706	3.44 psi		690
713	13:13	253	1.21 psi		246
713	13:14	1029	5.04 psi		1028
713	13:15	464	2.25 psi		463

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

{Auto Entry: Calibrated sensor 713 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0931), Std Error(0.0212), Calibration Date(9/13/2012 1:13:55 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	02-Jul-12
Time:	9:43		Status: OK
Service Type:	OneRain Service Ca	Technician:	PB

Configuration Changes	
Part #	Location
TX J 4397	710
BY R 1006	710
TX J 25186	9000
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:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1006	13.00	

Problem: TB over reporting with bad values.

Action Taken: Replaced txr, battery, dessicant. Tested TB, OK. PT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	30-May-12
Service Type:	Inspection	Technician:	PB
		Time:	14:54
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
713	0.008	0.032	0.0061

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	15:11	1925	6.98 psi	1442	
713	15:11	1631	5.92 psi	1223	
713	15:12	1366	4.96 psi	1025	
713	15:12	1089	3.95 psi	819	
713	15:12	565	2.06 psi	428	
713	15:13	815	2.97 psi	615	
713	15:13	287	1.05 psi	221	
713	15:15	1418	5.15 psi	1429	
713	15:16	564	2.06 psi	569	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested far outside acceptable range. Maxed out span on sig. cond. Sensor remains linear, with less range. Replace with 123 removal (100'). TB OK.

{Auto Entry: Calibrated sensor 713 by linear regression. Modified calibration data. New calibration [Slope(0.0083), Calibration Offset(0.0320), Std Error(0.0061), Calibration Date(5/30/2012 3:14:41 PM)]}.

Site Notes:

Follow-Up: Replace PT, or sig. cond.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Horseshoe Park	Date:	26-Mar-12
Time:	11:12		
Service Type:	Start Up	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
TX J 25186	710
TB J 10736	710
BY R 1030	710
BY R 0602	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
713	0.011	-0.047	0.0186

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	00E
Jumpers:	JB3&5
Eprom:	R1.8 9CA1
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
713	11:30	2006	9.75 psi	1959	
713	11:31	1480	7.18 psi	1443	
713	11:32	1056	5.11 psi	1028	
713	11:33	661	3.20 psi	644	
713	11:34	230	1.10 psi	223	
713	11:35	3	0.00 psi	3	
713	11:36	1065	5.13 psi	1061	
713	11:37	429	2.06 psi	429	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1030	13.08	

Problem:

Action Taken: Installed txr, battery, dessicant. TB cleaned. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 713 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(-0.0470), Std Error(0.0186), Calibration Date(3/26/2012 11:35:28 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	01-Aug-12
		Time:	12:14
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
720	12:15	144		0
720	12:16	146		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: **Confluence Pond** Date: **27-Feb-12** Time: **13:29**
 Service Type: **Start Up** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 11034	720
TB J 23289	720
BY R 1204	720

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
723	0.012	0.1516	0.0353

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	13:54	1		0
720	13:54	2		0
723	13:48	1754	8.89 psi	1726
723	13:49	1362	6.92 psi	1334
723	13:50	978	4.99 psi	950
723	13:51	605	3.11 psi	577
723	13:52	185	1.00 psi	157
723	13:53	980	4.99 psi	980
723	13:54	399	2.08 psi	400
724	13:42	1049	5.06 psi	1044
724	13:43	461	2.22 psi	464

Battery Tests

Battery #	V Quiescent	V Load
BY R 1204	13.10	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. Pond (724) PT tested within acceptable range. Recalibrated canal (723) PT.

{Auto Entry: Calibrated sensor 723 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(0.1516), Std Error(0.0353), Calibration Date(2/27/2012 1:52:58 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	27-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 9:44
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 11034	9000
TB J 23289	9000
BY R 1204	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	10:00	1011	5.04 psi	1015	
723	10:01	427	2.12 psi	429	
724	9:50	1029	4.77 psi	1011	
724	9:51	406	1.81 psi	391	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Pond PT tested within acceptable range. Raised PT for winter.

SB to TOR: 77.75"
 TOR: 8'-1.5"
 BM (concrete jutting out from sidewall): 4"

Canal PT tested within acceptable range. Raised PT for winter.

SB: 7'- 11.25"
 BM (concrete jutting out from sidewall): 2' - 10.5"

Removed battery, txr, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Confluence Pond** Date: **01-Oct-12** Time: **12:44**
 Service Type: **OneRain Service Ca** 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
723	12:43	1029	5.14 psi	1009
723	12:44	428	2.13 psi	411
724	12:38	437	2.07 psi	433
724	12:39	1061	5.09 psi	1049

Battery Tests

Battery # V Quiescent V Load

Problem: Pond (724) hydraulic contact vandalized

Action Taken: Replaced Pond (724) hydraulic contact and riser. Also dug up pull box at SP and replaced with irrigation valve box. Tested PTs 723 and 724. PTs ok. TB ok.

Site Notes: Pull box for both PTs located ~2' West from SP (underground)

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	30-May-12
Service Type:	Inspection	Technician:	PB
			Time: 14:26
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
720	14:42	66		0
720	14:42	67		0
723	14:38	986	5.08 psi	997
723	14:39	393	2.10 psi	404
724	14:32	1033	5.01 psi	1033
724	14:33	437	2.12 psi	442

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT 724 tested within acceptable range. PT 723 tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Confluence Pond	Date:	13-Sep-12
Service Type:	Inspection	Technician:	PB
			Time: 11:19
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
723	0.012	-0.0422	0.014
724	0.011	-0.1257	0.0507

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:17	173			0
720	12:17	174			0
723	11:42	1762	8.81 psi		1738
723	11:43	1347	6.70 psi		1320
723	11:45	1000	4.99 psi		979
723	11:45	637	3.17 psi		618
723	11:47	208	1.02 psi		190
723	11:48	1075	5.36 psi		1078
723	11:49	381	1.89 psi		382
724	12:07	1826	8.72 psi		1790
724	12:08	1365	6.41 psi		1318
724	12:09	978	4.65 psi		959
724	12:10	595	2.80 psi		583
724	12:11	224	1.02 psi		218

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Pond PT conduit vandalized, bent out of water. Horizontal connection to riser extremely corroded. Cut off extension at bend and covered with section of screen as temporary solution. Good hydraulic contact.

Canal PT tested outside acceptable range. Recalibrated. Good hydraulic contact.

{Auto Entry: Calibrated sensor 723 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.0422), Std Error(0.0140), Calibration Date(9/13/2012 11:47:11 AM)]}.

Pond PT tested outside acceptable range. Recalibrated.

{Auto Entry: Calibrated sensor 724 by linear regression. Modified calibration data. New calibration [Slope(0.0110), Calibration Offset(-0.1257), Std Error(0.0507), Calibration Date(9/13/2012 12:11:19 PM)]}.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

TB OK.

Site Notes:

Follow-Up: Recommend replacing riser and horizontal riser pipe. Current vertical dimensions: 2" GRC, 69". Needs reanchored. Cut/thread ~6ft horizontal pipe.

Service Log

Site Name: **No Name @ Quincy** Date: **13-Sep-12** Time: **10:48**
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
733	10:52	1185	5.09 psi	1169
733	10:53	428	1.82 psi	416

Battery Tests

Battery # V Quiescent V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	30-May-12
Time:	13:46		
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	
730	13:52	61		0	
730	13:52	62		0	
733	13:50	1150	4.99 psi	1147	
733	13:51	473	2.05 psi	470	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	27-Feb-12
		Time:	12:48
Service Type:	Start Up	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15783	730
TB J 10739	730
BY R 1004	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
730	13:12	1		0	
730	13:13	2		0	
733	13:05	1253	5.41 psi	1243	
733	13:06	512	2.20 psi	502	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1004	13.10	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested within acceptable range. Dug out around PT down pipe.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	No Name @ Quincy	Date:	27-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 10:23
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 15783	9000
TB J 10739	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	10:27	1141	4.88 psi	1122	
733	10:28	390	1.66 psi	378	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 134.25"
 TOR: 6'-3.25"
 BM (Northeast corner of concrete manhole pad west of SP): 11.875"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Smoky Hill** Date: **08-Mar-12** Time: **11:10**
 Service Type: **OneRain Service Ca** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted

Battery Tests

Battery #	V Quiescent	V Load

Problem: No ALERT legacy signals at OneRain.

Action Taken: Replaced power amp, suspect it was intermittant. Receiving data OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Smoky Hill	Date:	20-Aug-12
Service Type:	OneRain Service Ca	Technician:	PB
		Time:	12:11
		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: RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Quincy Reservoir** Date: **22-Feb-12** Time: **13:36**
Service Type: **Inspection** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 0505	750

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **0750-0012-1312-1111**
Jumpers: **2km wind run**
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **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 0505	13.00	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. Wind OK. @ 13:46 ID 751 raw = 86 => 21.3% RH, ID 752 raw = 222 => 57.7 deg.F, psychrometer readings Td = 64 deg.F, Tw = 46 deg.F implying RH = 26% 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:	30-May-12
Service Type:	Inspection	Technician:	PB
		Time:	14:01
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. Wind OK. @ 14:01 ID 751 raw = 44 => 10.76% RH, ID 752 raw = 271 => 79.27 deg.F, psychrometer readings Td = 84 deg.F, Tw = 69 deg.F implying RH = 47% and dp = 62 deg.F. TB OK. (Heated by sun, windy. Monitor RH)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy Reservoir	Date:	14-Aug-12
Time:	11:53	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:	0750-0012-1312-1111
Jumpers:	2km wind run
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
750	13:51	2		0
750	13:51	3		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Net Solar mis-calibrated. RHAT not functioning. TB not functioning.

Action Taken: Rehabed site, cable organization. Reconnected all sensors. Replaced radio. Replaced pyrometer, OK. Tested txr, RF OK. TB OK. Will continue to monitor.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Quincy Reservoir	Date:	10-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 11:03
			Status: OK

Configuration Changes	
Part #	Location
BY R 1252	750

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2397	4.99	31	2.2	

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	11:25	3		0
750	11:26	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1252	12.90	

Problem: Solar not charging battery.

Action Taken: Repalced battery, dessicant. Tested txr on IFR. Txr OK. TB OK. Solar tests OK, rechecked all connections, voltages, ohmed out.

Wind OK. @ 11:37 ID 751 raw = 197 => 48.17% RH, ID 752 raw = 212 => 53.3 deg.F, psychrometer readings Td = 54 deg.F, Tw = 45 deg.F implying RH = 48% and dp = 36 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:	11-Sep-12
Service Type:	Inspection	Technician:	PB
			Time: 12:50
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. Wind OK. @ 12:42 ID 751 raw = 62 => 15.16% RH, ID 752 raw = 283 => 84.55 deg.F, psychrometer readings Td = 95 deg.F, Tw = 62 deg.F implying RH = 15% and dp = 40 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Mission Viejo Pk	Date:	01-Aug-12
Time:	11:39		
Service Type:	Inspection	Technician:	PB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 9733	760
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
760	11:53	1		0
760	11:54	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 9733	12.61	

Problem: Battery low.

Action Taken: Changed battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Mission Viejo Pk** Date: **13-Feb-12** Time: **11:20**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 18534	760
TB J 21344	760
BY R 0431	760
TB J 17973	9000
BY R 0636	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **0760-00E**
 Jumpers: **5 off**
 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
749	11:31	71		0
760	11:28	1		0
760	11:29	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0431	13.18	

Problem:

Action Taken: Installed TXR, TB, 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:	Mission Viejo Pk	Date:	16-Nov-12
Service Type:	End of Season	Technician:	ZC
			Time: 14:18
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18534	9000
TB J 21344	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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, TB and battery for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	12-Sep-12
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
803	0.011	-0.0372	0.0457

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
800	12:45	83			0
800	12:45	84			0
803	12:36	1849	8.88 psi		1779
803	12:37	1514	7.15 psi		1433
803	12:38	1044	4.98 psi		998
803	12:39	626	3.00 psi		601
803	12:40	230	1.08 psi		216
803	12:41	1056	5.06 psi		1064
803	12:42	439	2.09 psi		442

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

{Auto Entry: Calibrated sensor 803 by linear regression. Modified calibration data. New calibration [Slope(0.0110), Calibration Offset(-0.0372), Std Error(0.0457), Calibration Date(9/12/2012 12:40:31 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	02-Mar-12
		Time:	12:31
Service Type:	Start Up	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15785	800
TB J 8366	800
BY R 0406	800

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
803	0.012	-0.2692	0.0938

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0800-3-0
Jumpers:	3,5 Off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure	Predicted	
800	13:45	1		0	
800	13:45	2		0	
800	13:46	3		0	
803	13:44	1808	8.96 psi	2180	
803	13:45	1425	7.03 psi	1340	
803	13:46	1042	5.09 psi	499	
803	13:47	649	3.13 psi	-357	
803	13:48	244	1.11 psi	-1233	
803	13:49	22	0.00 psi	-1718	
803	13:51	1029	5.03 psi	1023	
803	13:52	414	1.98 psi	416	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0947	13.00	

Problem:

Action Taken: Installed battery, txr, dessicant, TB. PT OK through direct sensor output. Major drift through sig. cond. Replaced sig. cond. Calibrated.

{Auto Entry: Calibrated sensor 803 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(-0.2692), Std Error(0.0938), Calibration Date(3/2/2012 1:50:52 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	06-Jun-12
		Time:	12:32
Service Type:	OneRain Service Ca	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3393881	800
PT D 3063743	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
803	0.012	0.0081	0.0092

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
803	13:01	1697	8.49 psi	1711	
803	13:02	1353	6.75 psi	1366	
803	13:03	1014	5.07 psi	1031	
803	13:04	606	3.04 psi	628	
803	13:05	206	1.03 psi	228	
803	13:06	1	0.01 psi	25	
803	13:07	1026	5.10 psi	1021	
803	13:08	407	2.03 psi	406	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT erratic.

Action Taken: Replaced PT with new spare unit.

{Auto Entry: Calibrated sensor 803 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(0.0081), Std Error(0.0092), Calibration Date(6/6/2012 1:06:43 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	31-Oct-12
Time:	10:29	Service Type:	End of Season
Technician:	ZC/SB	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15785	9000
TB J 8366	9000
BY R 0406	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0800-3-0
Jumpers:	3,5 Off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
803	10:31	995	4.80 psi	1010	
803	10:32	314	1.44 psi	305	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, TB, Battery and dessicant for season. Tested PT. PT OK. PT raised for season.

Stop Bolt to Riser: 109 1/2"
 Benchmark Measurement: - 0 3/4" (Concrete at outlet grate.)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sable Ditch	Date:	05-Jun-12
Time:	10:38	Service Type:	Inspection
Technician:	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	
800	11:53	58			0
800	11:54	59			0
803	10:56	510	4.15 psi		848
803	11:38	1710	9.06 psi		1825
803	11:39	1125	7.04 psi		1424
803	11:41	1675	9.07 psi		1826
803	11:42	1074	7.01 psi		1418
803	11:43	506	5.05 psi		1026

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT reports -34mV at 0 psi. PT possibly Bad

Action Taken: Tested PT with battery and DVM. PT reporting -34mV at 0psi. Requires approximately 4psi for PT to report. Tested with spare signal conditioning with no change in performance. PT possibly needs replaced. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	05-Jun-12
Time:	12:09		
Service Type:	Inspection	Technician:	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	
810	12:17	61			0
813	12:21	1087	5.41	psi	1099
813	12:22	426	2.06	psi	410
813	12:23	1050	5.08	psi	1031

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	31-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	11:29
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15787	9000
TB J 19637	9000
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
813	11:34	1234	5.86 psi	1219	
813	11:35	389	1.82 psi	378	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, TB, Battery and dessicant for season. Tested PT. PT OK. PT raised for end of season. Put anti-seeze on riser cap.

Stop Bolt to Riser: 70 1/2"
 Benchmark Measurement: (-5 1/2") (Concrete outlet structure @ Riser location)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	05-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	11:09
		Status:	OK

Configuration Changes	
Part #	Location
TX J 15787	810
TB J 19637	810
BY R 0849	810

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0810-00E
Jumpers:	C:J6,1-2,J3,5 off; L:J9,10
Eprom:	R1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.22

Test Transmission					
Port	Time	Count	Measure	Predicted	
810	11:35	1			0
810	11:35	2			0
813	11:26	1048	5.06 psi		1028
813	11:27	420	2.03 psi		403

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0849	13.00	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Grandby Ditch	Date:	12-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	13:19
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
813	0.011	-0.0064	0.0067

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	13:34	134			0
810	13:34	135			0
813	13:25	1905	9.14 psi		1868
813	13:26	1477	7.10 psi		1448
813	13:27	1036	4.98 psi		1011
813	13:28	634	3.04 psi		611
813	13:29	214	1.03 psi		197
813	13:30	1084	5.20 psi		1081
813	13:31	482	2.32 psi		483

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

{Auto Entry: Calibrated sensor 813 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0064), Std Error(0.0067), Calibration Date(9/12/2012 1:29:30 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **ETG @ Buckley** Date: **05-Jun-12** Time: **12:33**
 Service Type: **Inspection** Technician: **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
820	12:43	52		0
820	12:45	53		0
823	12:39	1069	5.05 psi	1051
823	12:40	452	2.09 psi	436

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **ETG @ Buckley** Date: **13-Sep-12** Time: **14:43**
 Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0605	820
BY R 1117	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
823	0.011	-0.0943	0.0268

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	14:56	1848	8.73 psi	1816
823	14:57	1496	7.07 psi	1472
823	14:58	1121	5.31 psi	1106
823	14:59	626	2.93 psi	610
823	15:00	202	0.91 psi	192
823	15:02	1108	5.22 psi	1103
823	15:03	413	1.93 psi	414

Battery Tests

Battery #	V Quiescent	V Load
BY R 1117	13.08	
BY R 0605	13.08	

Problem: Low battery.

Action Taken: Replaced battery. PT tested outside acceptable range. Calibrated. TB OK.

{Auto Entry: Calibrated sensor 823 by linear regression. Modified calibration data. New calibration [Slope(0.0110), Calibration Offset(-0.0943), Std Error(0.0268), Calibration Date(9/13/2012 3:02:00 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **ETG @ Buckley** Date: **31-Oct-12** Time: **11:51**
Service Type: **End of Season** Technician: **ZC/SB** Status: **Site Down**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID Slope Calib Offset Std Error

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
823	11:55	1451	6.85 psi	1444
823	11:56	528	2.44 psi	520

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Removed TXR, TB, Battery for season. Tested PT. PT OK. Pulled up for season.

Stop Bolt to Riser: 44 "/
Top of riser measurement: 9' 1/4"
Benchmark Measurement: 1' 4 1/2"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **ETG @ Buckley** Date: **05-Mar-12** Time: **11:45**
 Service Type: **Start Up** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 15780	820
TB J 8453	820
BY R 1117	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	12:10	1		0
820	12:12	2		0
820	12:13	3		0
823	12:04	1255	5.98 psi	1245
823	12:05	634	3.00 psi	626

Battery Tests

Battery #	V Quiescent	V Load
BY R 1117	13.10	

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Side Creek Park	Date:	01-Aug-12
Time:	13:28		
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: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Side Creek Park	Date:	23-Oct-12
Service Type:	End of Season	Technician:	ZC
			Time: 13:24
			Status: OK

Configuration Changes	
Part #	Location
TX J 19662	9000
TB J 20912	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:
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, dessicant and TB. RF ok. Site down for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Side Creek Park** Date: **13-Feb-12** Time: **10:45**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 19662	830
TB J 20912	830
BY R 0828	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: **4.5**
 Rev Power: **5.0**
 SWR: **-37.97**

Test Transmission

Port	Time	Count	Measure	Predicted
830	11:02	1		0
830	11:02	2		0
830	11:03	3		0

Battery Tests

Battery #	V Quiescent	V Load
TX J 19662	13.10	

Problem:

Action Taken: Installed TXR, battery, TB and dessicant. TXR ok, RF ok

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS 12	Date:	23-Oct-12
Time:	11:49	Service Type:	End of Season
Technician:	ZC	Status:	OK

Configuration Changes	
Part #	Location
TB J 16624	9000
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:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.0
Rev Power:	0.0
SWR:	1.12

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, dessicant and TB. RF ok. Site down for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora FS 12	Date:	06-Aug-12
Time:	11:07		
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
840	11:13	110		0
840	11:13	111		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: Aurora FS 12	Date: 13-Feb-12	Time: 10:08	
Service Type: Start Up	Technician: SB/ZC	Status: OK	

Configuration Changes	
Part #	Location
TB J 16624	840
BY R 1032	840

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
840	10:24	1		0
840	10:24	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1032	13.00	

Problem:

Action Taken: Installed Battery, TB and Desicant. Cleaned TB funnel. TXR ok, RF ok.

Site Notes: Magnum Key

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flying J** Date: **02-Oct-12** Time: **13:25**
Service Type: **OneRain Service Ca** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1229	850
BY R 1103	9000
BY R 1009	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
850	13:30	0		0
850	13:31	1		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1229	13.00	

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:	14-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:04
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
850	11:19	61		0	
850	11:21	62		0	
850	11:21	63		0	
850	11:25	64		0	
853	11:13	1177	5.12 psi	1173	
853	11:14	481	2.11 psi	480	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested ok. TB clogged. TB cleaned. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	16-Jul-12
Service Type:	Service Call	Technician:	ZC/PB
		Time:	10:10
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1103	850

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
850	10:18	0		0
850	10:19	1		0
850	10:21	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1103	13.41	

Problem:

Action Taken: Low battery - 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:	06-Mar-12
Time:	11:01	Service Type:	Start Up
Technician:	DP/PB	Status:	OK

Configuration Changes	
Part #	Location
TB J 21330	850
BY R 1010	850
BY R 1119	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
850	11:15	0		0
850	11:16	2		0
853	11:13	1010	4.37 psi	1001
853	11:14	450	1.95 psi	443

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1010	13.06	

Problem:

Action Taken: Installed battery, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	31-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	9:51
		Status:	Site Down

Configuration Changes	
Part #	Location
TB J 21330	9000
BY R 1229	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:	4.1
Rev Power:	0.1
SWR:	1.37

Test Transmission					
Port	Time	Count	Measure	Predicted	
853	9:57	1399	6.04 psi	1385	
853	9:58	439	1.91 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TB, Battery for season. Tested PT. PT OK.

Stop Bolt to Riser: 56 1/4" @ 9 degrees from horizontal
 Top of riser measurement: 7' 9 1/2"
 Benchmark Measurement: 1' 8 3/4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Flying J	Date:	30-May-12
Service Type:	Inspection	Technician:	PB
		Time:	10:39
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1009	850
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	
853	10:48	1140	5.01 psi	1147	
853	10:49	452	2.02 psi	459	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1009	13.02	

Problem: Low battery.

Action Taken: Replaced battery. PT tested within acceptable range. TB 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: 05-Mar-12 Time: 10:17
 Service Type: Start Up Technician: ZC Status: OK

Configuration Changes

Part #	Location
TB J 12717	860
BY R 1132	860

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
863	0.011	-0.0211	0.0064

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:
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
860	10:32	1		0
860	10:32	2		0
860	10:52	3		0
860	10:52	4		0
863	10:44	1826	9.04 psi	1867
863	10:45	1426	7.06 psi	1464
863	10:46	1012	5.02 psi	1046
863	10:47	624	3.08 psi	651
863	10:48	222	1.09 psi	244
863	10:49	1013	5.02 psi	1017
863	10:50	410	2.03 psi	412

Battery Tests

Battery #	V Quiescent	V Load
BY R 1132	13.20	

Problem:

Action Taken: Installed battery, dessicant and TB. PT tested outside of acceptable range and was calibrated. Solar OK.

{Auto Entry: Calibrated sensor 863 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0211), Std Error(0.0064), Calibration Date(3/5/2012 10:48:35 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek @ Colfax Date: 01-Aug-12 Time: 13:48
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
863	13:55	1056	5.20 psi	1054
863	13:56	410	2.01 psi	409

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek @ Colfax Date: 23-Oct-12 Time: 12:25
 Service Type: End of Season Technician: ZC Status: OK

Configuration Changes

Part #	Location
TB J 12717	9000
BY R 1132	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
CE C058				0.00

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 3.5
 Rev Power: 0.1
 SWR: 1.27

Test Transmission

Port	Time	Count	Measure	Predicted
863	12:41	1063	5.21 psi	1055
863	12:42	426	2.06 psi	419

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Removed battery, dessicant and TB. RF ok. Solar OK. PT tested OK. PT raised for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek @ Colfax	Date:	12-Sep-12
Time:	12:54		
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	
860	13:04	159		0	
860	13:04	160		0	
863	12:58	1110	5.41 psi	1096	
863	12:59	380	1.85 psi	375	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Murphy Creek** Date: **20-Aug-12** Time: **11:45**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1120	870
BY R 1105	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
870	11:52	0		0
870	11:52	1		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1120	12.63	

Problem: Low battery.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Murphy Creek	Date:	30-May-12
Service Type:	Inspection	Technician:	PB
		Time:	11:17
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
873	0.01	0.0768	0.0174

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:36	74			0
873	11:23	1935	8.45	psi	1979
873	11:24	1603	7.01	psi	1646
873	11:25	1154	5.05	psi	1194
873	11:26	688	3.02	psi	727
873	11:27	225	1.02	psi	264
873	11:28	1159	5.09	psi	1166
873	11:29	453	2.01	psi	456

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

{Auto Entry: Calibrated sensor 873 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.0768), Std Error(0.0174), Calibration Date(5/30/2012 11:27:59 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Murphy Creek** Date: **14-Sep-12** Time: **12:22**
 Service Type: **Inspection** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
873	0.01	0.4607	0.1023

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	12:40	30		0
870	12:40	31		0
873	12:26	481	2.20 psi	499
873	12:27	1132	5.05 psi	1157
873	12:29	1943	8.59 psi	1973
873	12:30	1587	7.05 psi	1618
873	12:31	1128	5.07 psi	1162
873	12:32	669	3.09 psi	704
873	12:33	225	1.17 psi	262
873	12:35	1134	5.10 psi	1131
873	12:36	435	2.08 psi	434

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable range. PT calibrated. TB ok.

{Auto Entry: Calibrated sensor 873 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.4607), Std Error(0.1023), Calibration Date(9/14/2012 12:34:53 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Murphy Creek	Date:	27-Nov-12
Time:	12:58	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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
873	13:03	1144	5.03 psi	1114	
873	13:04	544	2.44 psi	518	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable range, replace and recalibrate. Raised PT for winter. Remvoed battery, txr, TB.

SB to TOR: 122.625"
 TOR: 5'-7"
 BM (Top of concrete underpass): 4'-0.25"

Site Notes: PT drifting-replace

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Murphy Creek	Date:	06-Mar-12
		Time:	10:03
Service Type:	Start Up	Technician:	DP/PB
		Status:	OK

Configuration Changes	
Part #	Location
TB J 16629	870
BY R 1105	870

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
873	0.01	-0.2981	0.1001

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	
873	10:24	1973	8.41 psi	1861	
873	10:25	1641	6.96 psi	1529	
873	10:26	1243	5.24 psi	1137	
873	10:27	747	3.10 psi	648	
873	10:28	287	1.11 psi	193	
873	10:29	28	0.00 psi	-59	
873	10:31	1101	4.62 psi	1096	
873	10:32	543	2.21 psi	541	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1105	13.27	

Problem:

Action Taken: Installed battery, dessicant, TB. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 873 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(-0.2981), Std Error(0.1001), Calibration Date(3/6/2012 10:29:28 AM)]}.

Site Notes:

Follow-Up: Check 10x program for offset. Possible replacement. 100'.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	30-May-12
Service Type:	Inspection	Technician:	PB
		Time:	12:01
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 12:05 ID 901 raw = 159=> 15.9% RH, ID 902 raw = 1166 => 76.6 deg. F. Psychrometer readings Td = 81 deg.F, Tw = 57 deg.F implying RH = 21% and dp = 38 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	21-Feb-12
Time:	14:21	Service Type:	Start Up
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 0322	900
BY R 0847	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
900	14:29	1		0
900	14:29	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0322	13.10	

Problem:

Action Taken: Changed battery, dessicant. Solar OK. TB OK. Wind OK. @ 14:30 ID 901 raw = 288 => 28.8% RH, ID 902 raw = 843 => 44.3 deg. F. Psychrometer readings Td = 45 deg.F, Tw = 33 deg.F implying RH = 29% and dp = 15 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	11-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	13:34
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 13:43 ID 901 raw = 186 => 18.6% RH, ID 902 raw = 1242 => 84.2 deg. F. Psychrometer readings Td = 89 deg.F, Tw = 60 deg.F implying RH = 20% and dp = 43 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Res Wx** Date: **26-Sep-12** Time: **10:50**
 Service Type: **Service Call** Technician: **SB** Status:

Configuration Changes

Part #	Location
BY R 1129	900
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: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
900	11:16	2		0
900	11:16	3		0
900	11:16	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1129	13.29	
BY R 0322	13.40	

Problem: Site not reporting

Action Taken: Site started reporting upon arrival. Battery OK. Radio OK. Heavy condensation inside enclosure. Cycled pwr, changed battery. Solar OK. Replaced with multiple desiccant units. Sealed enclosure for possible leaks.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Res Wx	Date:	16-Nov-12
Service Type:	End of Season	Technician:	ZC
			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:	169.525
Rx Freq:	
Fwd Power:	3.0
Rev Power:	0.1
SWR:	1.45

Test Transmission				
Port	Time	Count	Measure	Predicted
900	11:32	4		0
900	11:32	5		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced Dessicant. RF OK. Solar OK. TB funnel clogged, cleaned. TB OK. Wind OK. @ 11:22 ID 901 raw = 160 => 16% RH, ID 902 raw = 977 => 57.7 deg. F. Psychrometer readings Td = 60 deg.F, Tw = 46 deg.F implying RH = 35% and dp = 32 deg.F.

Site Notes:

Follow-Up: Monitor RH

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Regional Pond	Date:	27-Feb-12
		Time:	10:33
Service Type:	Start Up	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 23967	940
TB J 2531	940
BY R 1103	940

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
940	10:41	1		0	
940	10:47	2		0	
943	10:42	1033	5.05 psi	1025	
943	10:43	411	1.98 psi	404	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1103	13.08	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **16-Nov-12** Time: **12:22**
 Service Type: **End of Season** Technician: **ZC** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 8694	9000
TB J 2531	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: **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	12:26	1021	4.96 psi	1008
943	12:27	456	2.21 psi	450

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Removed Txr, battery and TB. PT raised for end of season. Solar OK

Stop to TOR: 123 1/8"
 BM: -3 3/8" located on top of concrete outlet structure adjacent to stand pipe, next to railing post.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Regional Pond	Date:	13-Sep-12
		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	
940	10:06	86			0
940	10:06	87			0
943	10:03	1007	4.91 psi		996
943	10:04	410	1.98 psi		403

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Aurora Regional Pond	Date:	30-May-12
		Time:	12:48
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	12:53	71			0
940	12:53	72			0
943	12:49	1013	4.99 psi		1014
943	12:50	407	1.99 psi		405

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Aurora Regional Pond** Date: **07-Jun-12** Time: **10:42**
 Service Type: **Inspection** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 8694	940
BY R 0601	940
TX J 23967	9000
BY R 1103	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
940	11:36	1		0
940	11:36	2		0
943	11:17	1032	5.07 psi	1030
943	11:18	419	2.01 psi	411

Battery Tests

Battery #	V Quiescent	V Load
BY R 0601	12.60	

Problem: PT over reporting after storm. Standpipe filled with water on inspection. TXR appears to have been submerged with water in TXR canister.

Action Taken: Replaced battery and TXR. Removed water from stand pipe. PT tested within acceptable limits. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Piney Ck @ Liverpool	Date:	30-May-12
Service Type:	Inspection	Technician:	PB
		Time:	13:03
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
953	0.012	-0.39	0.0897
953	0.012	-0.1195	0.0278

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
950	13:31	69		0
953	13:09	1842	9.05 psi	1817
953	13:10	1413	6.90 psi	1386
953	13:11	1040	5.04 psi	1012
953	13:12	634	3.01 psi	604
953	13:13	237	1.02 psi	205
953	13:22	1821	9.02 psi	1844
953	13:23	1398	6.92 psi	1421
953	13:24	1011	4.98 psi	1034
953	13:25	606	2.97 psi	629
953	13:26	225	1.07 psi	249
953	13:27	1043	5.15 psi	1043
953	13:28	406	1.97 psi	406

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Adjusted zero on sig. cond. Calibrated. TB OK. Good hydraulic contact.

{Auto Entry: Calibrated sensor 953 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.1195), Std Error(0.0278), Calibration Date(5/30/2012 1:27:11 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Piney Ck @ Liverpool** Date: **27-Feb-12** Time: **10:57**
 Service Type: **Start Up** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 15781	950
TB J 17973	950
BY R 0303	950

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
953	0.012	-0.0097	0.0024

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: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
950	11:06	1		0
950	11:06	2		0
953	11:57	1818	9.02 psi	1842
953	12:00	1810	8.98 psi	1834
953	12:01	1416	7.03 psi	1435
953	12:02	1027	5.10 psi	1041
953	12:03	619	3.07 psi	627
953	12:04	220	1.09 psi	223
953	12:05	1021	5.07 psi	1017
953	12:06	414	2.05 psi	411

Battery Tests

Battery #	V Quiescent	V Load
TX J 15781	13.04	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. Replaced signal conditioning board. Calibrated PT.

{Auto Entry: Calibrated sensor 953 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.0097), Std Error(0.0024), Calibration Date(2/27/2012 12:04:56 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Piney Ck @ Liverpool	Date:	13-Sep-12
Time:	10:23		
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	
953	10:27	1072	5.30 psi	1074	
953	10:28	371	1.84 psi	379	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Piney Ck @ Liverpool	Date:	16-Nov-12
Service Type:	End of Season	Technician:	ZC
		Time:	13:01
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 15781	9000
TB J 17973	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:	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	13:05	1033	5.12 psi	1036	
953	13:06	367	1.84 psi	379	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT raised for end of season. Solar OK. Removed Txr, TB and battery.

Stop to TOR: 141 1/8"
 BM: 4" SW corner of concrete bridge structure at riser location.

Site Notes:

Follow-Up: Check zero at start up.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	15-Feb-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	14:00
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0605	1000
BY R 1003	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1003	0.011	0.2398	0.0445

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1000-00D
Jumpers:	C:J6,1-2, J3,5 off
Eprom:	R1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	3.2
Rev Power:	0.1
SWR:	1.43

Test Transmission					
Port	Time	Count	Measure	Predicted	
1000	14:11	1			0
1000	14:21	2			0
1000	14:22	3			0
1000	14:22	6			0
1000	14:23	8			0
1000	14:23	12			0
1003	14:12	1003	5.05 psi		1036
1003	14:14	1821	9.00 psi		1843
1003	14:15	1419	7.05 psi		1443
1003	14:16	1020	5.10 psi		1047
1003	14:18	637	3.22 psi		663
1003	14:19	395	2.03 psi		419
1003	14:22	932	4.62 psi		923
1003	14:23	476	2.40 psi		469

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0605	13.15	

Problem:

Action Taken: Replaced Battery and Dessicant. RF ok, PT ok, TB ok. PT Calibrated.

{Auto Entry: Calibrated sensor 1003 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(0.2398), Std Error(0.0445), Calibration Date(2/15/2012 2:20:05 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	17-Jul-12
Service Type:	Inspection	Technician:	PB
			Time: 13:21
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1003	0.012	-0.4765	0.1612

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	13:30	2039	9.56 psi	1931	
1003	13:31	1526	7.07 psi	1422	
1003	13:32	1121	5.09 psi	1018	
1003	13:33	730	3.19 psi	629	
1003	13:34	345	1.31 psi	246	
1003	13:35	77	0.00 psi	-21	
1003	13:52	1831	9.14 psi	1844	
1003	13:54	1430	7.09 psi	1427	
1003	13:56	1048	5.15 psi	1030	
1003	13:57	671	3.22 psi	636	
1003	14:00	276	1.20 psi	224	
1003	14:01	41	0.00 psi	-21	
1003	14:02	1052	5.16 psi	1050	
1003	14:03	476	2.22 psi	475	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Adjusted sig. cond. Zero remains high, PT has drifted, although zero remains within ~2% of optimal. Calibrated.

{Auto Entry: Calibrated sensor 1003 by linear regression. Modified calibration data. New calibration [Slope(0.0118), Calibration Offset(-0.4765), Std Error(0.1612), Calibration Date(7/17/2012 2:01:14 PM)]}.

Site Notes:

Follow-Up: Zero maxed out. Monitor PT for further drift.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Maple Grove Res	Date:	08-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	11:52
		Status:	Site Down

Configuration Changes	
Part #	Location
BY R 1205	1000
BY R 1130	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1003	0.012	-0.0186	0.0209

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1966	5.01	190	2.5	

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:	2.0
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1000	12:43	3			0
1000	12:44	4			0
1003	12:08	1767	9.08	psi	1815
1003	12:11	1408	7.19	psi	1445
1003	12:11	1022	5.25	psi	1067
1003	12:12	604	3.11	psi	647
1003	12:12	225	1.14	psi	263
1003	12:14	933	4.76	psi	932
1003	12:15	366	1.87	psi	366

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1205	13.03	

Problem:

Action Taken: Replaced Battery and dessicant. PT tested outside acceptable range. Adjusted sig. cond., recalibrated. Tested Txr. Txr OK. RF ok. TB ok.

Stop to TOR: 124 3/4"
 BM Measurement: -1 1/4" to concrete wall @ riser location

{Auto Entry: Calibrated sensor 1003 by linear regression. Modified calibration data. New calibration [Slope(0.0118), Calibration Offset(-0.0186), Std Error(0.0209), Calibration Date(11/8/2012 12:12:55 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Maple Grove Res** Date: **05-Sep-12** Time: **11:52**
Service Type: **Inspection** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1130	1000
BY R 0605	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
1000	12:07	3		0
1000	12:07	4		0
1003	12:09	1028	5.13 psi	1043
1003	12:10	431	2.08 psi	448

Battery Tests

Battery #	V Quiescent	V Load
BY R 1130	13.25	

Problem:

Action Taken: PT tested within acceptable range. Replaced battery. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver West	Date:	08-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	14:01
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1010	14:05	183		0
1010	14:06	184		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 West	Date: 01-Nov-12	Time: 13:06	
Service Type: End of Season	Technician: SB	Status: Site Down	

Configuration Changes	
Part #	Location
TX J 18539	9000
TB J 23294	9000
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:	1010-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	1.0
SWR:	3

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver West	Date:	15-Feb-12
Service Type:	Start Up	Technician:	ZC/PB
			Time: 12:33
			Status: OK

Configuration Changes	
Part #	Location
TX J 18539	1010
TB J 23294	1010
BY R 0842	1010

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1010-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.5
Rev Power:	0.1
SWR:	1.41

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0842	13.02	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	08-Nov-12
Time:	11:19		
Service Type:	End of Season	Technician:	PB/ZC
Status:	Site Down		

Configuration Changes	
Part #	Location
TX J 18538	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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
1023	11:28	1282	5.46 psi	1281	
1023	11:29	383	1.66 psi	395	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Removed Txr and battery. Raised PT for end of season.

Stop to TOR: 62.25" @ 30 degrees
TOR measurement: 7'-4"
BM measurement: 2'-3 1/4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	14-Mar-12
Service Type:	Start Up	Technician:	PB/SB
			Time: 13:12
			Status: OK

Configuration Changes	
Part #	Location
TX J 18538	1020
BY R 0501	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1023	13:18	1425	6.15 psi	1442	
1023	13:19	502	2.18 psi	516	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0501	13.00	

Problem:

Action Taken: Installed txr, battery, dessicant. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	17-Jul-12
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	
1023	13:11	1237	5.33 psi	1251	
1023	13:12	469	2.01 psi	478	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Nolte Pond	Date:	05-Sep-12
Time:	12:33	Service Type:	Inspection
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	
1023	12:35	1162	5.02 psi	1179	
1023	12:36	459	1.99 psi	473	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: NREL/SERI	Date: 15-Feb-12	Time: 13:26	
Service Type: Start Up	Technician: ZC/PB	Status: OK	

Configuration Changes	
<i>Part #</i>	<i>Location</i>
TX J 11037	1030
TB J 3174	1030
BY R 1137	1030

Transducer Calibration			
<i>Sensor ID</i>	<i>Slope</i>	<i>Calib Offset</i>	<i>Std Error</i>

Tx Maintenance				
<i>Part #</i>	<i>Ref V</i>	<i>Freq Err</i>	<i>Deviation</i>	<i>ROM Batt</i>

Settings and Performance
<i>Switches:</i>
<i>Jumpers:</i>
<i>Eprom:</i>
<i>Tx Freq:</i>
<i>Rx Freq:</i>
<i>Fwd Power:</i>
<i>Rev Power:</i>
<i>SWR:</i>

Test Transmission				
<i>Port</i>	<i>Time</i>	<i>Count</i>	<i>Measure</i>	<i>Predicted</i>
1030	13:36	1		0
1030	13:37	2		0
1030	13:38	3		0
1030	13:38	4		0
1030	13:38	9		0
1030	13:41	10		0
1030	13:41	11		0

Battery Tests		
<i>Battery #</i>	<i>V Quiescent</i>	<i>V Load</i>
BY R 1137	13.02	

Problem:

Action Taken: Installed TXR, Battery, TB and Dessicant. TXR ok, RF ok. Cleaned Funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: NREL/SERI	Date: 08-Aug-12	Time: 14:17	
Service Type: Inspection	Technician: PB	Status: OK	

Configuration Changes	
<i>Part #</i>	<i>Location</i>

Transducer Calibration			
<i>Sensor ID</i>	<i>Slope</i>	<i>Calib Offset</i>	<i>Std Error</i>

Tx Maintenance				
<i>Part #</i>	<i>Ref V</i>	<i>Freq Err</i>	<i>Deviation</i>	<i>ROM Batt</i>

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

Test Transmission				
<i>Port</i>	<i>Time</i>	<i>Count</i>	<i>Measure</i>	<i>Predicted</i>
1030	14:46	176		0
1030	14:46	177		0

Battery Tests		
<i>Battery #</i>	<i>V Quiescent</i>	<i>V Load</i>

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: 01-Nov-12	Time: 13:49	
Service Type: End of Season	Technician: SB	Status: Site Down	

Configuration Changes	
Part #	Location
TX J 11037	9000
TB J 3174	9000
BY R 1137	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1030-3-D
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	1.0
SWR:	2.62

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lena @ Hwy 6	Date:	17-Jul-12
Time:	12:38		
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	
1040	12:44	107			0
1040	12:46	108			0
1043	12:42	1054	5.02 psi		1056
1043	12:43	421	2.01 psi		419

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Lena @ Hwy 6	Date: 08-Nov-12	Time: 10:46	
Service Type: End of Season	Technician: PB/ZC	Status: Site Down	

Configuration Changes	
Part #	Location
BY R 1210	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	10:50	1012	4.80 psi	1009	
1043	10:51	426	2.03 psi	424	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to TOR: 138.5
TOR: 1' 9-3/8"
BM: 1' 9-1/4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lena @ Hwy 6

Date: 05-Sep-12

Time: 12:55

Service Type: Inspection

Technician: ZC/PB

Status: OK

Configuration Changes

Part #	Location
BY R 1210	1040
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
1040	13:05	1		0
1040	13:06	2		0
1043	13:01	1065	5.06 psi	1065
1043	13:02	423	2.02 psi	421

Battery Tests

Battery #	V Quiescent	V Load
BY R 1210	13.10	

Problem:**Action Taken:** PT tested within acceptable range. Replaced battery. TB ok.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lena @ Hwy 6

Date: 16-Feb-12

Time: 13:37

Service Type: Start Up

Technician: PB

Status: OK

Configuration Changes

Part #	Location
TB S 0201	1040
BY R 0948	1040
TB S 3359	9000
BY R 1134	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1043	0.011	0.0644	0.0154

Tx Maintenance

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

Switches: 1040-3-0
 Jumpers: C: JB6,1-2 L:JB9,10,1-2
 Eprom:
 Tx Freq: 169.525
 Rx Freq:
 Fwd Power: 4.0
 Rev Power: 0.1
 SWR: 1.38

Test Transmission

Port	Time	Count	Measure	Predicted
1040	13:55	1		0
1040	13:55	2		0
1043	14:00	1948	9.27 psi	1987
1043	14:01	1477	7.03 psi	1509
1043	14:02	1048	5.00 psi	1075
1043	14:03	641	3.07 psi	663
1043	14:04	446	2.14 psi	465
1043	14:05	219	1.07 psi	235
1043	14:06	1061	5.06 psi	1064
1043	14:07	425	2.04 psi	426

Battery Tests

Battery #	V Quiescent	V Load
BY R 0948	13.02	

Problem:

Action Taken: Installed battery, txr, dessicant, TB. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 1043 by linear regression. Modified calibration data. New calibration [Slope(0.0109), Calibration Offset(0.0644), Std Error(0.0154), Calibration Date(2/16/2012 2:05:52 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairgrounds	Date:	08-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:53
		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:	tx j 18536
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1050	13:54	168		0
1050	13:54	169		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:	Fairgrounds	Date:	01-Nov-12
Service Type:	End of Season	Technician:	SB
		Time:	12:47
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 18536	9000
TB J 11492	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:	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 TXR, TB, Battery, and Desiccant for season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairgrounds	Date:	15-Feb-12
Service Type:	Start Up	Technician:	ZC/PB
		Time:	11:29
		Status:	OK

Configuration Changes	
Part #	Location
TX J 18536	1050
TB J 11492	1050
BY R 1126	1050

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	tx j 18536
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	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 1126	13.30	

Problem:

Action Taken: Installed txr, battery, TB. OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apex	Date:	08-Aug-12
Time:	13:22	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: TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apex	Date:	01-Nov-12
Service Type:	End of Season	Technician:	SB
			Time: 14:26
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 18537	9000
TB J 10738	9000
BY R 1119	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, and Desiccant for season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apex	Date:	14-Mar-12
Service Type:	Start Up	Technician:	PB/SB
			Time: 12:20
			Status: OK

Configuration Changes	
Part #	Location
TX J 18537	1060
TB J 10738	1060
BY R 1119	1060
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:	1060-3-d
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
1060	12:30	1		0
1060	12:30	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1119	12.93	

Problem:

Action Taken: Installed txr, battery, dessicant. 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-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	13:45
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1100	13:48	9			0
1100	13:48	10			0
1103	13:50	1034	5.10 psi		1036
1103	13:51	408	2.04 psi		416

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: L'ville Dwy "D" Date: 12-Jul-12 Time: 12:22
Service Type: Inspection Technician: ZC Status: OK

Configuration Changes

Part #	Location
BY R 1029	1100
BY R 0906	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
1100	12:49	1		0
1100	12:50	2		0
1103	12:41	428	2.13 psi	435
1103	12:42	1021	5.06 psi	1026

Battery Tests

Battery #	V Quiescent	V Load
BY R 1029	13.10	

Problem:

Action Taken: PT tested within acceptable range. Replaced battery and dessicant. 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:	31-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 12:56
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 2806	9000
TB J 19644	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	
1103	13:08	909	4.43 psi	899	
1103	13:09	357	1.78 psi	363	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to TOR (cap off): 28.75"
 TOR to closest edge of channel concrete: 23.25"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log		
Site Name: L'ville Dwy "D"	Date: 16-Feb-12	Time: 12:22
Service Type: Start Up	Technician: PB	Status: OK

Configuration Changes	
Part #	Location
TX J 2806	1100
TB J 19644	1100
BY R 0906	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:	3.0
Rev Power:	0.1
SWR:	1.45

Test Transmission					
Port	Time	Count	Measure	Predicted	
1100	12:43	2		0	
1100	12:44	3		0	
1103	12:51	1028	5.08 psi	1031	
1103	12:52	453	2.24 psi	457	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0906	13.24	

Problem:

Action Taken: Installed battery, txr, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gunbarrel	Date:	10-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	15:04
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1110	15:10	51			0
1110	15:11	52			0
1113	15:09	1061	5.15 psi		1063
1113	15:10	411	2.00 psi		416

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gunbarrel	Date:	25-May-12
Service Type:	Inspection	Technician:	PB/SB
		Time:	11:14
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1002	1110
BY R 0918	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	
1110	11:22	1		0	
1110	11:23	2		0	
1113	11:34	1063	5.16 psi	1067	
1113	11:35	402	1.95 psi	405	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Low battery.

Action Taken: Replaced battery, dessicant. PT tested within acceptable range. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gunbarrel	Date:	22-Oct-12
Time:	14:15	Service Type:	End of Season
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
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:	1110-0012-1112-11011
Jumpers:	W4, W10
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	
1113	14:21	1050	4.99 psi	1032	
1113	14:22	364	1.76 psi	366	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

PT 1.5" above concrete on drainage structure.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log		
Site Name: Gunbarrel	Date: 16-Feb-12	Time: 10:14
Service Type: Start Up	Technician: PB	Status: OK

Configuration Changes	
<i>Part #</i>	<i>Location</i>
BY R 0918	1110
TB H 568	9000
BY R 0509	9000

Transducer Calibration			
<i>Sensor ID</i>	<i>Slope</i>	<i>Calib Offset</i>	<i>Std Error</i>

Tx Maintenance				
<i>Part #</i>	<i>Ref V</i>	<i>Freq Err</i>	<i>Deviation</i>	<i>ROM Batt</i>

Settings and Performance	
<i>Switches:</i>	1110-0012-1112-11011
<i>Jumpers:</i>	W4, W10
<i>Eprom:</i>	
<i>Tx Freq:</i>	169.500
<i>Rx Freq:</i>	
<i>Fwd Power:</i>	3.0
<i>Rev Power:</i>	0.1
<i>SWR:</i>	1.45

Test Transmission					
<i>Port</i>	<i>Time</i>	<i>Count</i>	<i>Measure</i>	<i>Predicted</i>	
1110	10:32	1		0	
1110	10:33	2		0	
1113	10:40	1116	5.40 psi	1116	
1113	10:41	419	2.02 psi	420	

Battery Tests		
<i>Battery #</i>	<i>V Quiescent</i>	<i>V Load</i>
BY R 0918	13.00	

Problem:

Action Taken: Installed battery, txr, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	31-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	13:43
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 27311	9000
TB J 19612	9000
BY R 0317	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1203	13:52	944	5.08 psi	934	
1203	13:53	369	1.99 psi	364	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to TOR (cap off): 29"
 TOR to top of wing wall: 31.5"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broomfield #3207** Date: **08-Aug-12** Time: **10:01**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0317	1200
BY R 1024	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
1200	10:15	1		0
1200	10:16	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0317	12.79	

Problem: Low battery.

Action Taken: Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	10-Sep-12
Time:	14:18	Service Type:	Inspection
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:	1200-3-0
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1200	14:26	7		0
1200	14:26	8		0
1203	14:24	889	4.83 psi	889
1203	14:25	383	2.10 psi	384

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broomfield #3207	Date:	17-Jul-12
Service Type:	Inspection	Technician:	PB
			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	
1200	10:52	113			0
1200	10:53	114			0
1203	10:47	946	5.14 psi		946
1203	10:48	390	2.13 psi		390

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Broomfield #3207** Date: **14-Mar-12** Time: **11:09**
 Service Type: **Start Up** Technician: **PB/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 27311	1200
TB J 19612	1200
BY R 1024	1200

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1200-3-0**
 Jumpers:
 Eprom:
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
1200	11:22	1		0
1200	11:23	2		0
1203	11:18	915	4.96 psi	913
1203	11:19	333	1.81 psi	330

Battery Tests

Battery #	V Quiescent	V Load
TB J 19612	13.15	

Problem:

Action Taken: Installed txr, battery, dessicant. PT tested within acceptable range. TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	26-Jun-12
Service Type:	Inspection	Technician:	ZC
		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	
1300	10:17	77		0	
1300	10:17	78		0	
1303	10:13	1476	5.72 psi	1471	
1303	10:15	843	3.29 psi	841	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Hidden Lake	Date: 17-Oct-12	Time: 10:43	
Service Type: End of Season	Technician: PB/ZC/SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 11923	9000
TB J 10735	9000
BY EPR 0502	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1300-00E
Jumpers:	none
Eprom:	5.0S
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1303	10:47	1274	4.97 psi	1277	
1303	10:48	505	1.97 psi	500	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Survey data: To top of reducing T - 4'7.5"
 To square on control structure - 3'7.75"
 Stop bolt to top of T - 81 7/8"

Site Notes:

Follow-Up: Needs top screen

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hidden Lake	Date:	12-Sep-12
Service Type:	Inspection	Technician:	PB
		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	
1303	10:53	1274	4.92 psi	1263	
1303	10:54	519	2.02 psi	513	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Hidden Lake**Date: **06-Mar-12**Time: **15:14**Service Type: **Start Up**Technician: **SB/ZC**Status: **OK****Configuration Changes**

Part #	Location
TX J 11923	1300
TB J 10735	1300
BY EPR 0502	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: **5.0**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
1300	15:28	1		0
1300	15:29	2		0
1303	15:22	1447	5.64 psi	1452
1303	15:23	565	2.22 psi	564

Battery Tests

Battery #	V Quiescent	V Load
BY EPR 0502	13.14	

Problem:**Action Taken:** Installed TXR, battery, dessicant and TB. RF ok. PT tested within acceptable range.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	17-Oct-12
Service Type:	End of Season	Technician:	PB/ZC/SB
			Time: 11:17
			Status: OK

Configuration Changes	
Part #	Location
TX J 11922	9000
TB J 25035	9000
BY R 1104	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	11:24	931	4.50 psi	916	
1313	11:25	498	2.40 psi	487	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Stop bolt to top of riser (cap off) 10' 1.25"
 Top of riser to top of concrete rail 23.25"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	26-Jun-12
		Time:	9:48
Service Type:	Inspection	Technician:	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	
1310	9:58	65			0
1310	9:59	66			0
1313	9:55	1049	5.08 psi		1034
1313	9:56	415	1.98 psi		401

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT dry at inspection. 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: 08-Aug-12 Time: 10:44
Service Type: OneRain Service Ca Technician: PB Status: OK

Configuration Changes

Part #	Location
BY R 0327	1310
BY R 0511	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
1310	10:56	1		0
1310	10:56	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0327	13.03	

Problem: Low battery.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Little Dry Creek @ 64t Date: 16-Feb-12 Time: 10:09
 Service Type: Start Up Technician: ZC/DP Status: OK

Configuration Changes

Part #	Location
TX J 11922	1310
TB J 25035	1310
BY R 0511	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: 4.2
 Rev Power: 0.0
 SWR: 1.1

Test Transmission

Port	Time	Count	Measure	Predicted
1310	10:27	1		0
1310	10:29	2		0
1313	10:22	1041	5.04 psi	1026
1313	10:23	426	2.06 psi	416

Battery Tests

Battery #	V Quiescent	V Load
BY R 0511	13.00	

Problem:

Action Taken: Installed TXR, Battery, TB and dessicant. Replaced PT dessicant. PT ok. Dropped PT. TXR ok, RF ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Dry Creek @ 64t	Date:	11-Sep-12
		Time:	11:06
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1104	1310
BY R 0327	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1310	11:22	1		0	
1313	11:17	854	4.11 psi	836	
1313	11:18	376	1.81 psi	365	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1104	1305.00	

Problem:

Action Taken: PT tested within acceptable range. Replaced battery. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR @Mausoleum** Date: **04-Sep-12** Time: **13:11**
 Service Type: **OneRain Service Ca** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
PT D 3342525	1320
BY R 0628	1320
PT D 2680704	9000
BY R 1220	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1323	0.011	0.2071	0.1641
1323	0.011	-0.0169	0.0066

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	13:52	1895	8.84 psi	1964
1323	13:53	1461	6.97 psi	1532
1323	13:54	990	4.92 psi	1059
1323	13:55	587	3.19 psi	659
1323	13:57	69	0.94 psi	142
1323	14:00	1933	9.02 psi	2005
1323	14:01	1387	6.65 psi	1458
1323	14:02	1032	5.11 psi	1103
1323	14:03	534	2.96 psi	607
1323	14:04	92	1.04 psi	165
1323	14:05	2	0.00 psi	-75
1323	14:40	1846	9.07 psi	1918
1323	14:41	1423	7.00 psi	1477
1323	14:42	1039	5.11 psi	1072

Battery Tests

Battery #	V Quiescent	V Load
BY R 1220	13.02	

Problem: Erratic PT.

Action Taken: Replaced PT and signal conditioning. Re-calibrated. TB OK.

{Auto Entry: Calibrated sensor 1323 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0169), Std Error(0.0066), Calibration Date(9/4/2012 2:45:03 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	06-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:40
		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	
1320	12:03	74			0
1320	12:04	75			0
1323	11:48	1059	5.02 psi		1081
1323	11:49	383	2.12 psi		414
1323	11:50	1972	8.60 psi		1908
1323	11:51	1505	6.98 psi		1534
1323	11:52	1037	4.95 psi		1067
1323	11:53	599	3.01 psi		618
1323	11:54	120	0.97 psi		148
1323	12:00	1958	8.63 psi		1916
1323	12:01	1455	6.61 psi		1449
1323	12:02	992	4.63 psi		993

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR @Mausoleum	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
			Time: 11:45
			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	
1323	11:49	1178	5.72 psi	1159	
1323	11:50	318	1.54 psi	312	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 111.5"
TOR to BM: -3.75"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR @Mausoleum** Date: **06-Mar-12** Time: **14:02**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 19663	1320
TB S 0202	1320
BY R 1220	1320

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1323	0.01	0.7532	0.1848

Tx Maintenance

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

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
1323	14:10	936	4.18 psi	910
1323	14:13	2042	9.16 psi	2036
1323	14:14	1571	7.13 psi	1577
1323	14:14	1132	5.23 psi	1147
1323	14:15	640	3.09 psi	664
1323	14:15	161	1.03 psi	196
1323	14:15	1057	4.91 psi	1058
1323	14:16	394	2.04 psi	395

Battery Tests

Battery #	V Quiescent	V Load
BY R 1220	13.36	

Problem:

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

{Auto Entry: Calibrated sensor 1323 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.7532), Std Error(0.1848), Calibration Date(3/6/2012 2:15:36 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Roslyn	Date:	14-Feb-12
Service Type:	Start Up	Technician:	ZC/PB
		Time:	12:48
		Status:	OK

Configuration Changes	
Part #	Location
TX N 3103	1330
TB S 0401	1330
BY R 0307	1330

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1330
Jumpers:	
Eprom:	9601-01-90 v. 3.9M
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.1
Rev Power:	0.1
SWR:	1.37

Test Transmission				
Port	Time	Count	Measure	Predicted
1330	12:55	678		0
1330	12:56	679		0
1330	12:56	681		0
1330	12:56	688		0
1330	12:59	689		0
1330	12:59	690		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0307	13.20	

Problem:

Action Taken: Installed TXR, Battery and Dessicant. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Roslyn	Date:	23-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	10:45
		Status:	Site Down

Configuration Changes	
Part #	Location
TX N 3103	9000
TB S 0401	9000
BY R 0307	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1330
Jumpers:	
Eprom:	9601-01-90 v. 3.9M
Tx Freq:	169.500
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: Removed Txr, battery and dessicant. RF ok. Site down for season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Roslyn	Date:	06-Dec-12
Service Type:	Other	Technician:	PB/ZC
		Time:	14:42
		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: Notified of construction activity at site

Action Taken: Removed standpipe.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Roslyn	Date:	06-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	10:47
		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
1330	10:48	778		0
1330	10:48	779		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:	13-Nov-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 13:45
			Status: OK

Configuration Changes	
Part #	Location
TX N 3105	9000
TB S 0203	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:	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	13:50	453	4.87 psi	467	
1343	13:51	154	1.74 psi	167	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 101"
 TOR to BM (top of concrete): -3.75"

Site Notes:

Follow-Up: Replace screen in topsection.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	11-Sep-12
Time:	12:09	Service Type:	Inspection
Technician:	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:	1340
Jumpers:	
Eprom:	9601-01-90 ver 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1340	12:16	1174		0	
1340	12:17	1175		0	
1343	12:12	470	4.99 psi	478	
1343	12:13	189	2.06 psi	197	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	06-Mar-12
Time:	13:29	Service Type:	Start Up
Technician:	SB/ZC	Status:	OK

Configuration Changes	
Part #	Location
TB S 0203	1340
BY R 0803	1340
TB S 0201	9000
BY R 0817	9000

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:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
1340	13:39	986		0
1340	13:39	987		0
1340	13:39	989		0
1340	13:40	990		0
1340	13:42	991		0
1343	13:36	963	8.03 psi	945
1343	13:37	263	2.14 psi	255

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0803	12.94	

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok. PT tested with acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sanderson Gulch** Date: **06-Jul-12** Time: **11:04**
 Service Type: **Inspection** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1343	0.024	-0.0077	0.0163

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	11:18	1105		0
1340	11:18	1106		0
1343	11:07	211	2.22 psi	265
1343	11:08	866	9.05 psi	1065
1343	11:09	673	7.02 psi	827
1343	11:10	479	5.00 psi	590
1343	11:11	294	3.07 psi	365
1343	11:12	104	1.10 psi	134
1343	11:13	2	0.00 psi	5
1343	11:14	480	5.01 psi	480
1343	11:15	195	2.04 psi	196

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable ranges. PT recalibrated. TB ok.

{Auto Entry: Calibrated sensor 1343 by linear regression. Modified calibration data. New calibration [Slope(0.0241), Calibration Offset(-0.0077), Std Error(0.0163), Calibration Date(7/6/2012 11:14:01 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sanderson Gulch	Date:	18-Apr-12
Time:	13:09	Service Type:	OneRain Service Ca
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1343	0.024	-0.0335	0.0139

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	13:12	625	5.16 psi	610	
1343	13:13	274	2.21 psi	264	
1343	13:24	894	9.27 psi	1090	
1343	13:25	678	7.03 psi	828	
1343	13:26	494	5.12 psi	605	
1343	13:27	279	2.88 psi	342	
1343	13:28	114	1.18 psi	143	
1343	13:29	2	0.00 psi	5	
1343	13:30	485	5.04 psi	486	
1343	13:31	199	2.07 psi	200	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT over-reporting.

Action Taken: PT tested outside acceptable range. Adjusted sig cond, recalibrated. PT OK. Suspect wave action causing reports, increased change to tx value.

{Auto Entry: Calibrated sensor 1343 by linear regression. Modified calibration data. New calibration [Slope(0.0240), Calibration Offset(-0.0335), Std Error(0.0139), Calibration Date(4/18/2012 1:29:53 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	06-Aug-12
Time:	14:58		
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
1350	15:00	706		0
1350	15:00	707		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: **Chatfield Dam** Date: **15-Feb-12** Time: **10:24**
 Service Type: **Start Up** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
TX N 3108	1350
TB S 0301	1350
BY R 0825	1350

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1350**
 Jumpers:
 Eprom: **9601-01-90 Ver. 3.9M**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **3.9**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
1350	10:34	532		0
1350	10:34	533		0

Battery Tests

Battery #	V Quiescent	V Load
TX N 3108	13.14	
BY R 0825	13.14	

Problem:

Action Taken: Installed TXR, Battery, Dessicant and TB. TXR ok, RF ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Chatfield Dam	Date:	01-Nov-12
		Time:	11:32
Service Type:	End of Season	Technician:	SB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX N 3108	9000
TB S 0301	9000
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:	1350
Jumpers:	
Eprom:	9601-01-90 Ver. 3.9M
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.5
SWR:	1.92

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver ZOO	Date:	06-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	11:39
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	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	11:41	1071		0
1360	11:41	1072		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes: Contact: Planning dept. same phone

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Denver ZOO** Date: **14-Feb-12** Time: **13:25**
 Service Type: **Start Up** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
TX N 3104	1360
TB S 9503	1360
BY R 1124	1360

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **1360**
 Jumpers:
 Eprom: **9601-01-90 Ver. 3.9M**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **3.9**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
1360	13:33	946		0
1360	13:34	947		0
1360	13:35	948		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1124	13.06	

Problem:

Action Taken: Installed TXR, Battery and Dessicant. TXR ok, RF ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Denver ZOO	Date: 19-Nov-12	Time: 12:43	
Service Type: End of Season	Technician: ZC/SB	Status: Site Down	

Configuration Changes	
Part #	Location
TX N 3104	9000
TB S 9503	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:	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, TB and battery for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fire Station 13	Date:	06-Aug-12
		Time:	14:40
Service Type:	OneRain Service Ca	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1243	1370
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
1370	14:46	177		0
1370	14:46	178		0
1370	12:41	1		0
1370	12:41	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1243	13.07	

Problem: Battery slope, offset incorrect. Fix revealed low battery.

Action Taken: Entered correct values. 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: 01-Nov-12	Time: 12:02	
Service Type: End of Season	Technician: SB	Status: Site Down	

Configuration Changes	
Part #	Location
TX J 18530	9000
TB S 0206	9000
BY R 1243	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1370
Jumpers:	
Eprom:	9601-01-90 v. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.2
Rev Power:	0.1
SWR:	1.36

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fire Station 13	Date:	15-Feb-12
Service Type:	Start Up	Time:	10:48
		Technician:	ZC/PB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 18530	1370
TB S 0206	1370
BY R 1140	1370

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1370
Jumpers:	
Eprom:	9601-01-90 v. 3.9M
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.1
Rev Power:	0.1
SWR:	1.44

Test Transmission				
Port	Time	Count	Measure	Predicted
1370	11:01	1		0
1370	11:02	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1140	13.05	

Problem:

Action Taken: Installed TXR, Battery, TB and dessicant. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	18-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	12:02
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: OTT bubbler showing 2 error codes. Power cycled and error codes cleared. Bubbler OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	14-Feb-12
Service Type:	Inspection	Technician:	ZC/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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced dessicant. Battery ok at 13.9V. CR850 reading 3.8 ft. Solar ok. Purged bubbler.

Site Notes:

Follow-Up: Battery terminals corroded.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	16-Jul-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	14:00
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. Bubbler (ID 1383) raw = 479 => 4.79 ft @ 14:02. Bubbler OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Ferril Lake	Date:	19-Nov-12
Time:	13:16	Service Type:	End of Season
Technician:	ZC/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:	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: Purged bubbler and cycled power. Bubbler ok. Solar OK. RF ok. Replaced dessicant.

Site Notes:

Follow-Up: replace 1/2" LB

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
			Time: 10:15
			Status: Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1403	0.010	-0.0001	0.039

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:21	1915	8.55 psi	1879	
1403	10:22	1561	7.07 psi	1554	
1403	10:22	1137	5.12 psi	1126	
1403	10:22	706	3.14 psi	692	
1403	10:23	252	1.13 psi	250	
1403	10:23	1199	5.37 psi	1191	
1403	10:23	456	2.00 psi	442	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Raised PT for winter. Removed txr, battery, TB.

SB to BM (top of outlet): 77.75"

{Auto Entry: Calibrated sensor 1403 by linear regression. Modified calibration data. New calibration [Slope(0.0104), Calibration Offset(-0.0001), Std Error(0.0390), Calibration Date(11/14/2012 10:23:14 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	06-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	12:51
		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	
1400	12:59	85			0
1400	12:59	86			0
1403	12:54	466	2.06 psi		454
1403	12:57	1118	5.10 psi		1122

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT dry at inspection. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Upper Sloan

Date: 28-Feb-12

Time: 14:09

Service Type: Start Up

Technician: ZC/PB

Status: OK

Configuration Changes

Part #	Location
TX J 15786	1400
TB J 19629	1400
BY R 1022	1400

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: 1400-3-0

Jumpers:

Eprom:

Tx Freq: 169.500

Rx Freq:

Fwd Power:

Rev Power:

SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
1400	14:19	1		0
1400	14:20	2		0
1403	14:18	1126	5.09 psi	1120
1403	14:19	471	2.12 psi	466

Battery Tests

Battery #	V Quiescent	V Load
BY R 1022	13.20	

Problem:**Action Taken:** Installed TXR, battery, dessicant and TB. PT ok.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Upper Sloan	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	14:53
		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	
1400	15:03	176			0
1400	15:04	177			0
1403	14:59	1107	4.99 psi		1096
1403	15:00	490	2.21 psi		486

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	05-Mar-12
Service Type:	Inspection	Technician:	DP
		Time:	13:08
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1214	1420
BY R 0411	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1420
Jumpers:	
Eprom:	9601-01-81 Ver 3.5
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.3
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1420	13:25	1590		0
1420	13:26	1591		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1214	13.06	

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. @ 13:45 ID 1321 raw = 7 => 7 % RH, ID 1422 raw = 110 => 70 deg.F , psychrometer readings Td = 70 deg.F, Tw = 45 deg.F implying RH = 9% and dp = 10 deg.F

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	14-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	10:52
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Solar OK. TB OK. @ ID 1421 raw = 22 =>22 % RH, ID 1422 raw = 125 => 85 deg.F ,
 psychrometer readings Td = 87 deg.F, Tw = 62 deg.F implying RH = 25% and dp = 47 deg.F

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	18-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:01
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1420	13:23	1774		0
1420	13:24	1776		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:55 ID 1321 raw = 19 => 19 % RH, ID 1422 raw = 116 => 76 deg.F , psychrometer readings Td = 77 deg.F, Tw = 54 deg.F implying RH = 22% and dp = 35 deg.F. TB ok.

Site Notes: Code to door for key is 1,2,5

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
		Time:	12:50
		Status:	Site Down

Configuration Changes	
Part #	Location
BY R 0417	1420
BY R 1214	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 391	5.03	72	2.1	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1420	13:15	1818		0
1420	13:16	1819		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0417	13.26	

Problem:

Action Taken: Tested txr, OK.

@ 12:55 ID 1321 raw = 24 => 24% RH, ID 1422 raw = 97 => 57 deg.F , psychrometer readings
 Td = 55 deg.F, Tw = 41 deg.F implying RH = 26% and dp = 35 deg.F. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Diamond Hill	Date:	15-Jun-12
Time:	8:32	Status:	OK
Service Type:	OneRain Service Ca	Technician:	SB/IGH

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed new batteries and quick disconnect connections to the Alert2 battery bank on the roof. Also added a buzzer circuit to the power supply that will alarm when the power supply has been shut off.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	29-Feb-12
Service Type:	Inspection	Technician:	DP
		Time:	11:16
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1218	1440
BY R 1028	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:	4.5
Rev Power:	0.0
SWR:	1.1

Test Transmission				
Port	Time	Count	Measure	Predicted
1440	12:10	450		0
1440	12:11	451		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1218	13.05	

Problem:

Action Taken: Replaced battery and desiccant in txr. Replaced bubble level on TB. RF OK. Solar OK. TB OK. @ 11:49 ID 1441 raw = 19 => 19% RH, ID 1442 raw = 89 => 50 deg.F, psychrometer readings Td = 50 deg.F, Tw = 36 deg.F implying RH = 21% and dp = 12 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	02-Oct-12
Service Type:	Inspection	Technician:	SB
		Time:	11:55
		Status:	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	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
1437	11:59	62		0
1438	11:59	279		0
1440	12:16	640		0
1440	12:16	641		0
1441	11:59	14		0
1442	11:59	113		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:09 gauge AT =73 RH = 16%. Pscrometer AT=72 RH = 20%. RF OK. Wind OK. RHAT OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Elbert Wx	Date:	20-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:03
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Solar OK. TB OK. @ 11:49 ID 1441 raw = 25 => 25% RH, ID 1442 raw = 111 => 71 deg.F, psychrometer readings Td = 73 deg.F, Tw = 53 deg.F implying RH = 27% and dp = 37 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	23-Oct-12
Service Type:	End of Season	Technician:	ZC
		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:	169.500
Rx Freq:	
Fwd Power:	3.5
Rev Power:	0.1
SWR:	1.41

Test Transmission				
Port	Time	Count	Measure	Predicted
1460	11:23	930		0
1460	11:24	931		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Wind OK. @ 11:15 ID 1461 raw = 15 => 15% RH, ID 1462 raw = 1129 => 72.9 deg.F, psychrometer readings Td = 74 deg.F, Tw = 51 deg.F implying RH = 19% and dp = 30 deg.F. Solar OK. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	21-Feb-12
		Time:	11:16
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0326	1460
BY R 0406	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0326	13.15	

Problem:

Action Taken: Solar OK. TB OK. Wind OK. @ 11:22 ID 1461 raw = 278 => 27.8% RH, ID 1462 raw = 829 => 42.9 deg.F, psychrometer readings Td = 45 deg.F, Tw = 34 deg.F implying RH = 34% and dp = 18 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Urban Farm	Date:	12-Jul-12
Service Type:	Inspection	Technician:	ZC
		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
1460	10:56	859		0
1460	10:57	860		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Wind mounting arm out of plumb at inspection.

Action Taken: Wind mounting arm releveled and tightened.

TB OK. Wind OK. @ 10:44 ID 1461 raw = 272 => 27.2% RH, ID 1462 raw = 1225 => 82.5 deg.F, psychrometer readings Td = 87 deg.F, Tw = 64 deg.F implying RH = 30% 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:	11-Sep-12
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
1460	11:56	869		0
1460	11:57	870		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Wind OK. @ 11:48 ID 1461 raw = 272 => 27.2% RH, ID 1462 raw = 1225 => 82.5 deg.F, psychrometer readings Td = 95 deg.F, Tw = 64 deg.F implying RH = 19% and dp = 46 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	03-Oct-12
		Time:	12:30
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	
1483	12:36	1049	5.24 psi	1035	
1483	12:37	454	2.25 psi	446	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Conduit broken, unanchored to concrete wall. PT exposed.

Action Taken: Repaired conduit. Detention PT tested within acceptable range.

Site Notes: Contact Craig: 303-342-2834

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	28-Nov-12
Service Type:	End of Season	Technician:	ZC
		Time:	12:26
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 11033	9000
BY R 0616	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	
1483	12:34	459	2.27 psi	448	
1483	12:35	1039	5.18 psi	1023	
1484	12:38	1055	5.04 psi	1044	
1484	12:39	449	2.08 psi	441	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT ID's 1483 and 1484 tested within acceptable range. Raised PT for end of season. Removed Txr, battery.

PT 1483:
 SB to TOR: 94 1/8"
 BM: (-3 7/8") (Top of concrete wall at riser location)

PT 1484
 SB to TOR: 121 1/4"
 BM: 12 3/4" (Top of manhole rim)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	14-Sep-12
Service Type:	Inspection	Technician:	ZC
		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	
1480	10:45	108			0
1480	10:46	109			0
1483	10:24	1044	5.19 psi		1025
1483	10:25	434	2.12 psi		420
1484	10:30	473	2.21 psi		467
1484	10:31	1071	5.13 psi		1064

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Standpipe for 1483 and conduit damaged.

Action Taken: PT ID's 1483 and 1484 tested ok. TB ok. Temp anchored 1483 riser to railing. Will need perm fix.

Site Notes:

Follow-Up: Fix 1483 riser and conduit. Consider adjusting zeros on PTs when access is available

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	11-Jul-12
Time:	12:44		
Service Type:	Inspection	Technician:	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	
1480	10:17	77			0
1480	10:17	78			0
1483	10:07	1004	5.07 psi		1001
1483	10:08	394	1.99 psi		394
1484	10:00	1145	5.53 psi		1144
1484	10:01	523	2.48 psi		522

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT's (1483 and 1484) tested within acceptable range. PT 1483 dry at inspection. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	DIA @ Third Creek	Date:	06-Mar-12
Time:	11:44		
Service Type:	Start Up	Technician:	DP/PB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 0616	1480
BY R 9735	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:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1480	11:57	1			0
1480	11:58	2			0
1483	11:56	1024	5.11 psi		1010
1483	11:58	414	2.06 psi		408
1484	11:50	1173	5.62 psi		1163
1484	11:51	433	2.01 psi		426

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0616	13.10	

Problem:

Action Taken: Changed battery, dessicant. PT 1484 tested within acceptable range. PT 1483 tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Powers Park	Date: 31-May-12	Time: 13:17	
Service Type: Inspection	Technician: ZC	Status: OK	

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1503	0.012	-0.0352	0.0101

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	13:31	126			0
1500	13:31	127			0
1503	13:26	949	5.08 psi		941
1503	13:27	377	2.08 psi		371
1503	13:39	1762	9.16 psi		1720
1503	13:40	1347	7.01 psi		1310
1503	13:41	975	5.07 psi		940
1503	13:42	625	3.25 psi		592
1503	13:43	220	1.13 psi		188
1503	13:45	994	5.17 psi		997
1503	13:46	421	2.18 psi		423

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Adjusted zero point on PT and recalibrated. PT ok. TB ok.

{Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0120), Calibration Offset(-0.0352), Std Error(0.0101), Calibration Date(5/31/2012 1:44:03 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Powers Park Date: 11-Sep-12 Time: 10:21
Service Type: Inspection Technician: 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
1500	10:31	179		0
1500	10:32	180		0
1503	10:27	1003	5.22 psi	1000
1503	10:28	403	2.12 psi	410

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Powers Park	Date: 22-Feb-12	Time: 11:39	
Service Type: Start Up	Technician: PB/ZC	Status: OK	

Configuration Changes	
Part #	Location
TX J 28971	1500
TB J 18554	1500
BY R 1106	1500

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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1503	11:49	1045	5.56 psi	1033	
1503	11:50	396	2.17 psi	388	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1106	13.20	

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	26-Nov-12
Time:	11:25	Service Type:	Other
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:

Action Taken: TOR: 8'-5"
BM:4'-11.75"
SB to TOR: 51"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	22-Oct-12
Service Type:	End of Season	Time:	13:44
		Technician:	ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 28971	9000
TB J 18554	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:	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1500	13:54	256			0
1500	13:56	257			0
1500	13:56	258			0
1503	13:48	986	5.13 psi		983
1503	13:49	398	2.08 psi		402

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery, TB and dessicant. Tested RF. RF ok. PT tested Ok. PT raised for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	22-Jun-12
Time:	15:42	Service Type:	Service Call
Technician:	ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1136	1500
BY R 1106	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 1136	12.90	

Problem: PT over reporting and reporting large values.

Action Taken: Discovered on inspection that conduit at riser is broken and PT cable has been cut. PT will need to be replaced. Disconnected PT and removed PT from reporting on TXR.

Site Notes:

Follow-Up: Replace cut PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Powers Park	Date:	02-Jul-12
Time:	12:49		
Service Type:	OneRain Service Ca	Technician:	PB/ZC
Status:	OK		

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1503	0.012	-0.0696	0.026

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1500	13:06	26			0
1500	13:07	30			0
1500	13:07	31			0
1503	12:54	1759	9.17 psi		1721
1503	12:55	1315	6.84 psi		1278
1503	12:56	955	4.96 psi		918
1503	12:57	544	2.81 psi		509
1503	12:58	202	1.03 psi		169
1503	12:59	5	0.00 psi		-27
1503	13:00	1013	5.25 psi		1006
1503	13:01	374	1.92 psi		372

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT cut by lawnmower, conduit broken.

Action Taken: Repaired conduit. Replaced PT, calibrated. TB OK.

{Auto Entry: Calibrated sensor 1503 by linear regression. Modified calibration data. New calibration [Slope(0.0121), Calibration Offset(-0.0696), Std Error(0.0260), Calibration Date(7/2/2012 12:59:35 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	15-May-12
Service Type:	Inspection	Technician:	ZC
		Time:	10:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1020	1520
BY R 0603	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1020	13.30	

Problem: Site not reporting

Action Taken: Replaced battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	24-Apr-12
		Time:	12:45
Service Type:	Service Call	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: Solar not charging.

Action Taken: Replaced HSE voltage reg. w/ old reg. previously installed at site. Battery voltage rose while on site. Solar OK.

Site Notes:

Follow-Up: Monitor battery voltage.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	11-Sep-12
Service Type:	Inspection	Technician:	ZC
		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:	1520-0012-1112-11011
Jumpers:	J4 J10
Eprom:	AB-SP09
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1520	11:32	96			0
1520	11:33	97			0
1523	11:21	1154	5.05 psi		1149
1523	11:22	461	2.10 psi		469

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK, Solar OK. PT tested within acceptable range. @ 11:21 RH reading = 206 => 10.45% AT reading = 1258 => 85.8 deg. F. Psychrometer reading Tw = 60 deg. F Td = 85 deg. F implying RH of 24% and dp of 44 deg. F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	08-May-12
Service Type:	OneRain Service Ca	Technician:	PB
		Time:	13:41
		Status:	Solar down

Configuration Changes	
Part #	Location
BY R 2221	1520
BY R 0603	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Battery low

Action Taken: Replaced battery, rechecked solar connection/regulator.

Site Notes:

Follow-Up: replace solar

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	17-Feb-12
Service Type:	Start Up	Technician:	PB
		Time:	12:45
		Status:	OK

Configuration Changes	
Part #	Location
CE F008	1520
BY R 0603	1520
CE E116	9000
BY R 1004	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1523	0.01	0.151	0.071

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:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1523	13:13	1835	8.03 psi	1850	
1523	13:14	1593	7.00 psi	1613	
1523	13:15	1129	4.99 psi	1150	
1523	13:16	709	3.18 psi	732	
1523	13:17	225	1.10 psi	251	
1523	13:18	0	0.00 psi	-2	
1523	13:19	1167	5.15 psi	1173	
1523	13:20	448	2.05 psi	458	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0603	13.03	

Problem:

Action Taken: Replaced backplane and enclosure. Installed battery. TB OK, Solar OK. PT calibrated. @ 13:17 RH reading = 331 => 16.55% AT reading = 858 => 45.8 deg. F. Psychrometer reading Tw = 33 deg. F Td = 45 deg. F implying RH of 24% and dp of 10 deg. F.

{Auto Entry: Calibrated sensor 1523 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.1510), Std Error(0.0710), Calibration Date(2/17/2012 1:19:17 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	23-May-12
Time:	13:11	Status:	OK
Service Type:	OneRain Service Ca	Technician:	PB/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	
1523	13:14	926	3.99 psi	905	
1523	13:15	436	1.99 psi	445	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Battery draining

Action Taken: Switched RHAT to 12V, Wind to SW12, 7 sec delay. Solar OK. PT tested within acceptable range. TB OK. RHAT OK. Wind OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Marston Lake	Date:	22-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	14:34
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1105	1520

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1523	14:46	499	2.21 psi	495	
1523	14:48	1397	6.09 psi	1390	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1105	13.09	

Problem:

Action Taken: TB OK, Solar OK. PT tested within acceptable range. PT raised for end of season. @ 14:49 RH reading = 332 => 16.60% AT reading = 1112 => 71.2 deg. F. Psychrometer reading Tw = 52 deg. F Td = 67 deg. F implying RH of 38% and dp of 40 deg. F. Replaced one battery and dessicant.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Lowell** Date: **13-Nov-12** Time: **13:07**
 Service Type: **End of Season** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 147	9000
TB S 0205	9000
BY R 0336	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1533	0.01	0.2831	0.0692
1533	0.01	-0.0541	0.0128

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	13:10	2046	8.91 psi	1988
1533	13:11	1646	7.22 psi	1606
1533	13:12	1122	4.95 psi	1093
1533	13:13	696	3.11 psi	678
1533	13:14	188	0.93 psi	184
1533	13:21	2045	8.78 psi	2016
1533	13:21	1648	7.06 psi	1616
1533	13:22	1185	5.08 psi	1155
1533	13:22	754	3.22 psi	721
1533	13:22	265	1.12 psi	232
1533	13:23	1257	5.39 psi	1262
1533	13:23	530	2.27 psi	535

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated. Raised PT for winter. Removed txr, battery, TB. Replace TB springs in spring.

SB to TOR: 168"
 TOR to wooden platform: -22.625"
 Wooden platform: 6'-9"
 BM (corner of bridge): 0'-9"

{Auto Entry: Calibrated sensor 1533 by linear regression. Modified calibration data. New calibration [Slope(0.0099), Calibration Offset(-0.0541), Std Error(0.0128), Calibration Date(11/13/2012 1:22:56 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Lowell** Date: **06-Mar-12** Time: **12:56**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 147	1530
TB S 0205	1530
BY R 0336	1530

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
1530	13:03	1		0
1530	13:04	2		0
1533	13:06	1121	5.01 psi	1107
1533	13:07	447	2.09 psi	446

Battery Tests

Battery #	V Quiescent	V Load
BY R 0336	13.32	

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok. PT tested with in acceptable range.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	11-Sep-12
Time:	11:41		
Service Type:	Inspection	Technician:	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	
1530	11:49	170		0	
1530	11:56	171		0	
1533	11:45	456	2.10 psi	448	
1533	11:46	1170	5.18 psi	1144	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. Cleaned TB funnel. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Lowell	Date:	06-Jul-12
Time:	10:39		
Service Type:	Inspection	Technician:	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	
1530	10:51	126			0
1530	10:51	127			0
1533	10:47	463	2.10 psi		449
1533	10:48	1151	5.06 psi		1119

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok. CODWR gauge reading 2.18 ft.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood CC	Date:	06-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:59
		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
1550	14:07	242		0
1550	14:08	243		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Cleaned TB, OK.

Site Notes: Contact: Chris Swim 303-233-5507
 Work preferred Monday.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood CC	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
		Time:	10:51
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 18535	9000
TB J 23318	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

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: 16-Feb-12	Time: 11:03	
Service Type: Start Up	Technician: ZC/DP	Status: OK	

Configuration Changes	
Part #	Location
TX J 18535	1550
TB J 23318	1550
BY R 0615	1550

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1550	11:10	1		0
1550	11:10	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0615	13.04	

Problem:

Action Taken: Installed TXR, Battery, TB and Dessicant. TXR ok, RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
			Time: 14:23
			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	
1563	14:28	1121	5.61 psi	1126	
1563	14:29	503	2.52 psi	507	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	06-Mar-12
Time:	14:36	Service Type:	Start Up
Technician:	SB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1007	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1563	14:43	1054	5.28 psi	1059	
1563	14:44	416	2.08 psi	418	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1007	12.98	

Problem:

Action Taken: Installed battery. RF ok. PT tested with acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	06-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	12:23
		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	
1563	12:25	421	2.09 psi	420	
1563	12:26	975	4.79 psi	962	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakewood Gulch	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
		Time:	11:09
		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	
1563	11:16	1016	5.10 psi	1023	
1563	11:17	365	1.84 psi	370	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. Removed battery.

SB to TOR: 27.25"
 TOR: 5'-9"
 Bottom of bridge m: 5'-4.25"
 BM (top east corner of bridge wing wall): 165" from bottom

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Denver ZOO	Date:	21-Feb-12
		Time:	9:45
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:	1570
Jumpers:	
Eprom:	9601-01-90 v. 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: Installed battery, txr, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	10:30
		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	
1600	10:47	162		0	
1600	10:50	163		0	
1603	10:37	827	5.05 psi	835	
1603	10:38	340	2.07 psi	341	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK. TB funnel clogged and cleaned. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	22-Oct-12
Time:	11:04		
Service Type:	End of Season	Technician:	ZC
Status:	Site Down		

Configuration Changes	
Part #	Location
TX J 27313	9000
TB J 2532	9000
BY R 1215	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:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
1603	11:10	330	2.13 psi	350	
1603	11:11	796	5.08 psi	840	
1603	11:12	1438	9.16 psi	1517	
1603	11:13	1082	6.91 psi	1144	
1603	11:14	790	5.06 psi	838	
1603	11:15	480	3.10 psi	511	
1603	11:16	170	1.13 psi	185	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery, TB and dessicant. Tested RF. RF ok. PT tested outside of acceptable range. Recalibrate at start up. PT raised for end of season.

Site Notes:

Follow-Up: Recalibrate at start-up.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Englewood Dam** Date: **04-Jun-12** Time: **11:30**
Service Type: **Inspection** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1603	0.014	0.0396	0.0128

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	11:53	55		0
1600	11:55	56		0
1603	11:31	858	5.14 psi	912
1603	11:32	356	2.14 psi	384
1603	11:33	1554	9.33 psi	1650
1603	11:34	1185	7.10 psi	1257
1603	11:35	866	5.17 psi	918
1603	11:36	526	3.17 psi	565
1603	11:37	190	1.14 psi	209
1603	11:38	1	0.00 psi	8
1603	11:40	355	2.13 psi	360
1603	11:42	1521	9.16 psi	0
1603	11:43	1182	7.11 psi	0
1603	11:44	856	5.16 psi	0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable limits. PT calibrated. PT ok. TB ok.

{Auto Entry: Calibrated sensor 1603 by linear regression. Modified calibration data. New calibration [Slope(0.0139), Calibration Offset(0.0396), Std Error(0.0128), Calibration Date(6/4/2012 11:46:58 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Englewood Dam	Date:	26-Nov-12
Service Type:	Other	Technician:	PB/ZC
		Time:	12:57
		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: SB to TOR: 45.625"
TOR: 7'-6.25"
BM: 1'-8.5"
North peak of outlet structure

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Englewood Dam Date: 06-Mar-12 Time: 10:24
 Service Type: Start Up Technician: SB/ZC Status: OK

Configuration Changes

Part #	Location
TX J 27313	1600
TB J 2532	1600
BY R 1215	1600

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1603	0.013	-0.1022	0.0266

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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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: 4.0
 Rev Power: 0.1
 SWR: 1.25

Test Transmission

Port	Time	Count	Measure	Predicted
1600	10:39	1		0
1600	10:42	2		0
1603	10:39	1710	9.66 psi	1564
1603	10:40	1233	6.97 psi	1123
1603	10:41	881	4.96 psi	795
1603	10:42	543	3.05 psi	482
1603	10:43	205	1.11 psi	165
1603	10:44	1023	5.80 psi	1028
1603	10:45	288	1.60 psi	290

Battery Tests

Battery #	V Quiescent	V Load
BY R 1215		13.30

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. PT tested outside of acceptable range and was calibrated. RF OK.

{Auto Entry: Calibrated sensor 1603 by linear regression. Modified calibration data. New calibration [Slope(0.0131), Calibration Offset(-0.1022), Std Error(0.0266), Calibration Date(3/6/2012 10:43:42 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:05
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	11:14	32	8.84 psi	1828	
1613	11:15	1503	7.17 psi	1486	
1613	11:16	1521	7.26 psi	1506	
1613	11:17	1857	8.90 psi	1841	
1613	11:18	1054	4.98 psi	1041	
1613	11:19	650	3.02 psi	640	
1613	11:20	268	1.17 psi	263	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested OK.

Site Notes: Monitor for drift

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	04-Jun-12
Service Type:	Inspection	Technician:	ZC
		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:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	12:13	1058	5.02 psi	1048	
1613	12:14	466	2.15 psi	461	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. PT dry at inspection.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Holly Dam	Date:	22-Oct-12
Service Type:	End of Season	Time:	11:53
		Technician:	ZC
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 19660	9000
BY R 1219	9000

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:	3.5	
Rev Power:	0.3	
SWR:	1.83	

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	12:02	693	3.33 psi	703	
1613	12:03	1036	4.91 psi	1026	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery and dessicant. Tested RF. RF ok. PT tested OK. PT raised for end of season.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Holly Dam	Date: 06-Mar-12	Time: 10:58	
Service Type: Start Up	Technician: SB/ZC	Status: OK	

Configuration Changes	
Part #	Location
TX J 19660	1610
BY R 1219	1610

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1613	0.011	-0.2669	0.0639

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:	4.8
Rev Power:	0.0
SWR:	1.1

Test Transmission					
Port	Time	Count	Measure	Predicted	
1613	11:14	1582	7.63	psi	1605
1613	11:15	570	2.67	psi	594
1613	11:17	1942	9.36	psi	1960
1613	11:18	1505	7.23	psi	1525
1613	11:18	1069	5.10	psi	1090
1613	11:18	643	3.02	psi	666
1613	11:19	228	1.00	psi	252
1613	11:19	1033	4.93	psi	1029
1613	11:19	446	2.06	psi	444

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1219		13.00

Problem:

Action Taken: Installed battery, TXR, and desiccant. Lowered PT. Calibrated PT. Good hydraulic contact. RF OK.

{Auto Entry: Calibrated sensor 1613 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.2669), Std Error(0.0639), Calibration Date(3/6/2012 11:19:15 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	31-May-12
Service Type:	Inspection	Technician:	ZC
		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	
1620	14:16	77		0	
1620	14:24	78		0	
1623	14:20	1111	5.49 psi	1120	
1623	14:21	443	2.18 psi	445	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Slaughterhouse** Date: **22-Oct-12** Time: **12:52**
 Service Type: **End of Season** Technician: **ZC** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 15782	9000
TX J 08745	9000
TB J 18572	9000
BY R 1209	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: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
1623	12:56	1030	5.08 psi	1036
1623	12:57	410	2.04 psi	416

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery, TB and dessicant. Tested RF. RF ok. PT tested OK. PT raised for end of season.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	04-Sep-12
Service Type:	OneRain Service Ca	Technician:	PB/ZC
		Time:	11:09
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3393877	1620
BY R 1209	1620
PT D 3121128	9000
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission					
Port	Time	Count	Measure	Predicted	
1623	12:15	1982	9.62 psi	1964	
1623	12:16	1402	6.84 psi	1397	
1623	12:17	1051	5.14 psi	1049	
1623	12:18	614	2.99 psi	610	
1623	12:19	246	1.18 psi	241	
1623	12:20	4	0.00 psi	0	
1623	12:22	1102	5.37 psi	1097	
1623	12:23	441	2.12 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1209	13.30	

Problem: PT erratic

Action Taken: Replaced PT. Replaced battery, dessicant. Calibration still good. Tested OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	22-Feb-12
Time:	12:10	Service Type:	Start Up
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
TX J 27311	1620
TB J 18572	1620
BY R 0324	1620

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	1			0
1620	12:28	2			0
1623	12:21	1082	5.30 psi		1082
1623	12:22	401	1.95 psi		399

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed txr, battery, dessicant, TB. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	08-Mar-12
Time:	12:17	Service Type:	OneRain Service Ca
Status:	OK	Technician:	DP

Configuration Changes	
Part #	Location
TX J 15782	1620
TB J 18572	1620
BY R 0836	1620

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1620-00E
Jumpers:	C:J6,1-2,J3,5off;L:J8,9,1-2
Eprom:	R1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.0
SWR:	1.11

Test Transmission				
Port	Time	Count	Measure	Predicted
1620	13:11	5		0
1620	13:16	6		0
1620	13:16	7		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Not reporting.

Action Taken: Replaced txr with 169.500 MHz unit. Replaced BNC connector on antenna cable. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	07-Mar-12
Service Type:	Service Call	Technician:	PB
		Time:	12:23
		Status:	OK

Configuration Changes	
Part #	Location
TX J 08745	1620
BY R 1113	1620
TX J 27311	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
BY R 1113	13.10	

Problem: Site went down after startup visit.

Action Taken: Checked wattage, battery, OK. Replaced txr with verified spare, replaced battery. Replaced antenna when no report. Verified data at base station. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	11-Sep-12
Service Type:	Inspection	Technician:	ZC
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Adjusted SE to match USGS gauge. @12:37 USGS gauge = 1.20'. ID 1629 = 1.15'

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	10-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	12:20
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1255	1630
BY R 1017	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2545	4.99	212	2.3	

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:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Low battery.

Action Taken: Replaced 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:	S Platte @ Dart	Date:	04-Jun-12
Time:	10:32	Status:	OK
Service Type:	OneRain Service Ca	Technician:	ZC

Configuration Changes	
Part #	Location
TX J 25450	1630
BY R 1017	1630
TX J 25185	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 1017	13.00	

Problem: Transmitter bit flipping and not reporting correct values

Action Taken: Replaced transmitter and battery. USGS Sutron reading 1.40ft and time of maintenance. Validated value for raw of 1988 counts = 1.37ft.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: S Platte @ Dart

Date: 01-Jun-12

Time: 12:05

Service Type: Inspection

Technician: PB/ZC

Status: OK

Configuration Changes

Part #	Location
TX J 28972	1630
SE H 6512	1630
BY R 1010	1630
TX J 25185	9000
SE H 4815	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
SE H 4815	12.15	

Problem:**Action Taken:** Transmitter, SE damaged. Replaced. Repositioned SE wheel to coincide with USGS reading.**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S Platte @ Dart	Date:	24-Feb-12
Service Type:	Start Up	Technician:	ZC
		Time:	11:08
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1136	1630

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:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	11:09	33		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1136	13.25	

Problem:

Action Taken: Replaced battery and dessicant. RF ok. SE ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	18-Jan-12
Time:	12:18	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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Txr OK. Battery OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	26-Sep-12
		Time:	12:44
Service Type:	Service Call	Technician:	SB
		Status:	

Configuration Changes	
Part #	Location
TX J 25186	1640
TX J 32079	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 TXR with 3206. AOK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	01-Jun-12
Service Type:	Inspection	Technician:	PB/ZC
		Time:	12:01
		Status:	OK

Configuration Changes	
Part #	Location
TX J 32079	1640
BY R 0404	1640
TX J 32078	9000
BY R 1131	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: Met with USGS. No longer allowing SDI-12 connection to bubbler. Changed battery, txr. AC charger OK.

Site Notes:

Follow-Up: Install SDI-12 device, or install own sensor.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	12-Apr-12
Service Type:	Inspection	Technician:	PB/ZC
			Time: 12:12
			Status: OK

Configuration Changes	
Part #	Location
TX J 32078	1640
BY R 1131	1640
TX J 4523	9000
DL S 989387	9000
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:
Jumpers:
Eprom:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	13:40	2		0
1640	13:41	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1131	13.10	

Problem: Transmitting bad battery, stage reports periodically.

Action Taken: Uninstalled system. Replaced with 3306 txr reading SDI-12 from USGS bubbler.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	11-Sep-12
Time:	10:43	Status:	OK
Service Type:	Inspection	Technician:	ZC

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	10:50	80		0
1640	10:51	81		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok. Stage sensor remain disconnected.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SPR at Union Ave.** Date: **13-Nov-12** Time: **12:33**
Service Type: **End of Season** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1232	1640
BY R 0404	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 2518	5.02	60	2.5	

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	12:42	1		0
1640	12:42	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1232	13.12	

Problem:

Action Taken: Replaced battery, dessicant. TB OK. AC OK. Tested txr, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Union Ave.	Date:	13-Sep-12
Service Type:	OneRain Service Ca	Technician:	ZC
		Time:	9:45
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	9:52	123		0
1640	9:53	124		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Site identified as a possibly clogged TB based on yesterdays rain event.

Action Taken: TB funnel clogged. Cleaned. 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:	24-Feb-12
Time:	10:21	Service Type:	Start Up
Status:	OK	Technician:	ZC

Configuration Changes	
Part #	Location
BY R 1023	1640
BY R 1121	9000
BY J 0902	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:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1640	10:41	30		0
1640	10:54	32		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1023	13.30	

Problem:

Action Taken: Replaced battery and dessicant. TB 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:	24-Feb-12
Service Type:	Start Up	Technician:	ZC
		Time:	12:11
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1034	1650
BY R 1001	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:	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 1034	13.00	

Problem:

Action Taken: Replaced battery and dessicant. RF ok. SE ok. AC Charge OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	10-Jul-12
Service Type:	OneRain Service Ca	Technician:	SB
			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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Found that the wheel on the shaft encoder was backwards. Thus as the water rose the sensor read a decline. It appears that a new floor was installed. Most likely our unit was hooked up wrong after the floor was assembled.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	10-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	13:31
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1241	1650
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 2518	4.99	237	2.4	

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 1241	12.93	

Problem:

Action Taken: Replaced 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:	SPR at 19th Street	Date:	06-Jul-12
Time:	10:02		
Service Type:	Inspection	Technician:	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:

Action Taken: SE ok. Reading 3.32 ft. CODWR gauge reading 2.57 ft.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at 19th Street	Date:	18-Sep-12
Service Type:	Inspection	Technician:	ZC
			Time: 12:45
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: SE ok. @ 12:48 USGS guage reading 2.68'. ID 1649 reading 2.62'.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	11-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:45
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1010	1660
BY R 1028	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:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
1660	12:03	2		0
1660	12:15	3		0
1660	12:16	4		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1028	12.90	

Problem: SDI-12 connection interrupting CODWR gauging site. Site not reporting. Battery voltage dropped when site went down.

Action Taken: Disconnected SDI-12 from CODWR equipment. Changed site to RAIN ONLY. Replaced battery. Solar 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:	06-Mar-12
		Time:	13:30
Service Type:	Service Call	Technician:	DP/PB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 28973	9000
SE H 6994	9000
BY R 0314	9000
BC P 1660	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, TB, 3206 txr, antenna, and shaft encoder. Reinstalled new 3306 txr, battery, antenna at DWR site across river.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	14-Nov-12
Time:	13:50	Service Type:	End of Season
Technician:	PB/SB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1106	1660
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:	JB1&4 off, JB2&3 on
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	20.0
Rev Power:	2.0
SWR:	1.92

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1106	12.96	

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:	SPR at Henderson	Date:	09-Mar-12
		Time:	11:05
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 32081	1660
BY R 1028	1660

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:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Moved station across stream. Now receiving stage gage from DWR Sutron bubbler SDI-12. Installed new antenna, 3306 txx, battery, polyphaser, solar unit. Added PA. TB OK.

Site Notes:

Follow-Up: Change to repeat at Gold Hill?

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	17-Jan-12
		Time:	9:42
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
1660	9:47	312		0
1660	9:47	314		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.
New site info. Sutron model # 56-0133-25-1

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SPR at Henderson	Date:	11-Sep-12
Time:	10:16	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
1660	10:18	17		0
1660	10:21	18		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: No stage reading due to SDI-12 conflict. Consider adding stage sensor. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	14-Nov-12
		Time:	12:32
Service Type:	End of Season	Technician:	PB/SB
		Status:	Site Down

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1700	12:39	877		0
1700	12:40	878		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	22-Feb-12
		Time:	14:44
Service Type:	Inspection	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
BY J 0901	1700

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:55	683		0
1700	14:56	684		0
1700	15:09	685		0
1700	15:10	686		0

Battery Tests		
Battery #	V Quiescent	V Load
BY J 0901	13.06	

Problem:

Action Taken: Changed battery, dessicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cherry Ck @ Champa** Date: **13-Sep-12** Time: **14:03**
Service Type: **Inspection** Technician: **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
1700	14:06	850		0
1700	14:07	851		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: TB funnel clogged and cleaned. TB ok. Suttron feed ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck @ Champa	Date:	18-Jan-12
		Time:	11:44
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
1700	11:49	673		0
1700	11:51	674		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Txr OK. Battery OK @ 12.3V.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Shop Creek

Date: 13-Feb-12

Time: 11:46

Service Type: Start Up

Technician: SB/ZC

Status: OK

Configuration Changes

Part #	Location
TB J 16628	1710
BY R 1026	1710
TB J 16621	9000
BY R 0223	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: 1710-0012-0112-11011
 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
1710	11:53	1		0
1710	11:53	2		0
1710	11:55	3		0

Battery Tests

Battery #	V Quiescent	V Load
TB J 16621	13.40	
BY R 1026	13.40	

Problem:**Action Taken:** Installed Battery, TB and desicant. TXR ok, RF ok. Cleaned Funnel.**Site Notes:****Follow-Up:** Needs TB screen

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shop Creek	Date:	16-Nov-12
Service Type:	End of Season	Technician:	ZC
		Time:	13:55
		Status:	Site Down

Configuration Changes	
Part #	Location
TB J 16628	9000
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:	1710-0012-0112-11011
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: Removed TB and battery for end of season. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Shop Creek	Date:	01-Aug-12
Service Type:	Inspection	Technician:	PB
		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
1710	11:15	129		0
1710	11:16	130		0
1710	11:16	131		0
1710	11:17	132		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB screen added. Removed wasps, cleaned 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-Nov-12
Time:	10:26	Service Type:	OneRain Service Ca
Technician:	PB/ZC	Status:	Site Down

Configuration Changes	
Part #	Location
TX J 21423	9000
TB H 560	9000
BY R 0402	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1723	10:37	996	4.82 psi	976	
1723	10:38	394	1.91 psi	382	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT reporting "slow rise" and alarming.

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

Beaver activity suspected, large amounts of debris have collected just below intake location.

Stop bolt to TOR: 31.5"

TOR: 8'-2.625"

Corner of bridge SW, acute angled: 0'-5.25"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	13-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:30
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1720	13:44	79			0
1720	13:45	80			0
1723	13:36	1038	5.07 psi		1026
1723	13:37	428	2.10 psi		419

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB identified as possibly clogged after yesterday's event. TB funnel clogged and was cleaned. TB ok. PT tested ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	26-Mar-12
		Time:	13:43
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 21423	1720
TB H 560	1720
BY R 0402	1720

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1720-0012-1112-11011
Jumpers:	W4,W10
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
1723	14:24	1087	5.37 psi	1087	
1723	14:25	471	2.34 psi	468	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0402	13.35	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK. PT tested within acceptable range. Hydraulic contact marginal. Flushed, but failed to locate intake.

Site Notes:

Follow-Up: Locate, dig out intake.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	07-Jun-12
		Time:	14:01
Service Type:	Inspection	Technician:	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
1700	14:45	748		0
1700	14:46	749		0
1700	14:47	751		0
1720	14:21	67		0
1720	14:25	68		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok. SE ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cherry Ck/Steele	Date:	16-Jul-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	14:34
		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	
1720	14:51	74			0
1720	14:53	75			0
1723	14:47	1016	4.99 psi		1011
1723	14:48	424	2.09 psi		418

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	04-Oct-12
		Time:	11:11
Service Type:	OneRain Service Ca	Technician:	SB/ZC
		Status:	PT Down

Configuration Changes	
Part #	Location
PT D 3063737	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: PT reporting erraticly. Upon inspection it was determined PT was cut (vandalism)

Action Taken: Pulled PT and left string for new PT pull at start up.

Site Notes:

Follow-Up: Harden conduit at 90 deg elbows. Use hex head screws conduit access ports to try to keep people from opening these locations.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	02-Mar-12
		Time:	10:34
Service Type:	Start Up	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TB J 19639	1800
BY R 1004	1800
TB J 10736	9000
BY R 0809	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	1800-E00
Jumpers:	C: JB1,3,5 off JB 9,10 - 1,2
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
1800	10:50	1		0
1800	11:10	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1004	13.20	

Problem:

Action Taken: Installed battery, txr, dessicant, TB. PT encased in ice on arrival, confirmed damage through direct sensor output reading. PT needs replaced with 140' unit.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	01-Oct-12
Service Type:	End of Season	Technician:	ZC/PB
		Time:	10:40
		Status:	OK

Configuration Changes	
Part #	Location
TX J 19661	9000
TB J 19639	9000
SB J 3438	9000
BY R 1004	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 1241	12.99	

Problem: Txr was reporting bad battery voltage numbers. PT over reporting and reporting erratic stage levels.

Action Taken: Shut down site for winter. Reading zero mV off of PT, sig. cond. alone causing over-voltage condition on test transmission. Replace PT/Sig Cond on startup. Replace captive nuts on SP.

Site Notes:

Follow-Up: Replace PT, sig. cond. board. Replace captive nuts on SP

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Park	Date:	14-Sep-12
Service Type:	Inspection	Technician:	ZC
		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	
1800	11:53	47			0
1800	11:53	48			0
1803	11:47	453	2.21 psi		445
1803	11:48	1013	5.02 psi		1004

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested 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:	16-Jul-12
Service Type:	Service Call	Technician:	ZC/PB
		Time:	12:16
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1803	0.012	-0.0691	0.0247

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
1800	12:41	1			0
1800	12:42	2			0
1803	12:30	1806	9.06 psi		1811
1803	12:31	1414	7.08 psi		1412
1803	12:31	1014	5.08 psi		1006
1803	12:32	621	3.10 psi		605
1803	12:32	222	1.09 psi		199
1803	12:33	6	0.00 psi		-21
1803	12:35	1013	5.06 psi		1013
1803	12:36	408	2.02 psi		408

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT identified as bad at start up.

Action Taken: PT replaced. PT ok. TB ok.

{Auto Entry: Calibrated sensor 1803 by linear regression. Modified calibration data. New calibration [Slope(0.0116), Calibration Offset(-0.0691), Std Error(0.0247), Calibration Date(7/16/2012 12:34:18 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	29-May-12
Service Type:	PT Down	Technician:	ZC/PB
		Time:	12:14
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3393864	1810
PT D 2925769	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1813	0.011	-0.0073	0.0036

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	15:31	59			0
1810	15:32	60			0
1813	15:20	1861	9.08	psi	1729
1813	15:21	1440	7.03	psi	1326
1813	15:22	1032	5.04	psi	933
1813	15:23	621	3.03	psi	537
1813	15:24	220	1.07	psi	150
1813	15:25	1055	5.15	psi	1052
1813	15:26	446	2.17	psi	443

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT has drifted beyond zero capacity of signal conditioning. Only reporting high flow conditions. No low flow reporting

Action Taken: Replaced PT. PT Calibrated. PT ok. Cleaned TB. TB ok.

{Auto Entry: Calibrated sensor 1813 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.0073), Std Error(0.0036), Calibration Date(5/29/2012 3:24:28 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	18-Sep-12
Service Type:	Inspection	Technician:	ZC
		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	
1810	11:11	128		0	
1810	11:14	129		0	
1813	11:05	442	2.12 psi	434	
1813	11:06	1046	5.07 psi	1035	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested ok. TB ok.

Site Notes:

Follow-Up: Watch for wasps!

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek Mouth Date: 17-Jan-12 Time: 10:38
 Service Type: Inspection Technician: DP/PB Status: OK

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1813	0.012	-0.0133	0.0037

Tx Maintenance

Part # Ref V Freq Err Deviation 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	11:04	13		0
1810	11:05	14		0
1813	10:51	1793	9.08 psi	2376
1813	10:52	1390	7.04 psi	1823
1813	10:53	996	5.05 psi	1281
1813	10:54	597	3.02 psi	732
1813	10:55	217	1.09 psi	208
1813	11:02	991	5.03 psi	992
1813	11:03	421	2.14 psi	423

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Reset zero point and calibrated PT, repeatability OK. (due to equip. errors) TB OK.
 {Auto Entry: Calibrated sensor 1813 by linear regression. Modified calibration data. New calibration [Slope(0.0117), Calibration Offset(-0.0133), Std Error(0.0037), Calibration Date(1/17/2012 10:55:41 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Sand Creek Mouth Date: 24-Feb-12 Time: 13:31
 Service Type: Start Up Technician: ZC Status: OK

Configuration Changes

Part #	Location
BY R 0815	1810
BY R 0336	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
1813	0.012	0.7029	0.1717

Tx Maintenance

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

Switches:
 Jumpers: 3 and 5 off
 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
1810	15:00	1		0
1810	15:01	2		0
1813	13:52	971	5.22 psi	1330
1813	13:53	336	2.00 psi	454
1813	13:54	1748	9.16 psi	2398
1813	13:55	1325	7.02 psi	1816
1813	13:56	937	5.06 psi	1284
1813	13:57	550	3.09 psi	751
1813	13:58	151	1.07 psi	202
1813	14:02	952	5.14 psi	953
1813	14:03	341	2.05 psi	343

Battery Tests

Battery #	V Quiescent	V Load
BY R 0815	12.90	

Problem:

Action Taken: Replaced battery and dessicant. TB ok, Solar OK. RF ok. PT tested outside of acceptable range. Beyond range of signal conditioning at 0. PT calibrated. PT not reading proper voltage.

{Auto Entry: Calibrated sensor 1813 by linear regression. Modified calibration data. New calibration [Slope(0.0117), Calibration Offset(0.7029), Std Error(0.1717), Calibration Date(2/24/2012 1:59:28 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sand Creek Mouth	Date:	19-Nov-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	11:45
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0335	1810
BY R 0815	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2746	4.98	80	2.5	0.00

Settings and Performance	
Switches:	
Jumpers:	3 and 5 off
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	3.9
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
1810	12:14	1		0
1810	12:15	2		0
1813	11:55	408	1.98 psi	404
1813	11:56	1020	4.95 psi	1010

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0335	13.01	

Problem:

Action Taken: Tested Txr, Txr OK. PT tested within acceptable range. Flushed PT riser and intake. Solar OK. TB ok. Replaced battery and dessicant.

Stop to TOR: 36"
 TOR measurement: 7' - 9 3/4"
 BM measurement: 1' - 2 1/2 (concrete corner west side of stairs)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	12-Sep-12
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	
1900	10:29	80			0
1900	10:29	81			0
1903	10:20	1115	5.50 psi		1113
1903	10:23	400	1.92 psi		388

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	02-Jul-12
		Time:	15:10
Service Type:	OneRain Service Ca	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
PT D 3445243	1900
PT D 1605624	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
1903	0.011	0.0036	0.0044

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	15:52	16		0
1900	15:54	17		0
1903	15:47	1896	9.38 psi	1699
1903	15:47	1434	7.11 psi	1288
1903	15:48	1029	5.10 psi	926
1903	15:48	627	3.11 psi	568
1903	15:48	238	1.18 psi	219
1903	15:49	1103	5.48 psi	1108
1903	15:49	441	2.19 psi	442

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT dead.

Action Taken: Replaced PT. Calibrated. Re-tightened riser anchors. TB OK.

{Auto Entry: Calibrated sensor 1903 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(0.0036), Std Error(0.0044), Calibration Date(7/2/2012 3:48:50 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	14-Feb-12
Service Type:	Start Up	Technician:	ZC/PB
		Time:	11:49
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25153	1900
TB J 23319	1900
BY R 1039	1900

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	12:19	924	5.09 psi	925	
1903	12:22	379	2.06 psi	379	
1903	12:25	9	0.00 psi	8	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1039	13.10	

Problem:

Action Taken: Installed TXR, TB, Battery and Dessicant. TXR ok, RF ok. PT ok. Dropped PT. Cleaned Funnel.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	08-May-12
		Time:	14:44
Service Type:	OneRain Service Ca	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0348	1900
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
1900	14:53	1		0
1900	14:53	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0348	12.98	

Problem: Stopped reporting.

Action Taken: Checked battery voltage, only ~2V. Replaced.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
			Time: 9:34
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25153	9000
TB J 23319	9000
BY R 2231	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	9:43	1102	5.38 psi	1087	
1903	9:43	427	2.09 psi	422	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

SB to TOR: 43.5"
 TOR to BM (top of concrete outlet): 2.875"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Niver Detention	Date:	23-May-12
Service Type:	Inspection	Technician:	PB/SB
		Time:	13:59
		Status:	OK

Configuration Changes	
Part #	Location
BY R 2231	1900
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
1900	14:07	1		0
1900	14:07	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 2231	13.24	

Problem:

Action Taken: Changed battery. PT failed manual test. TB OK.

Site Notes:

Follow-Up: Replace PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	11-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:03
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
1920	11:25	1629		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Wind OK. @ 11:08 ID 1921 raw = 107 => 41.96% RH, ID 1922 raw = 163 => 83 deg.F, psychrometer readings Td = 85 deg.F, Tw = 67 deg.F implying RH = 41% and dp = 59 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	14-Nov-12
Service Type:	End of Season	Technician:	PB/SB
		Time:	14:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0511	1920
BY R 1021	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 231	5.06	224	2.1	

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
BY R 0511	13.06	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. Wind OK. @14:26 ID 1921 raw = 132 => 52% RH, ID 1922 raw = 132 => 52 deg.F, psychrometer readings Td = 52 deg.F, Tw = 41 deg.F implying RH = 35% and dp = 25 deg. F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Brighton Date: 14-Feb-12 Time: 10:52
Service Type: Inspection Technician: ZC/PB Status: OK

Configuration Changes

Part #	Location
BY R 1021	1920
BY R 0901	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: 1920
Jumpers:
Eprom: 9601-01-N Ver 3.5R
Tx Freq: 169.525
Rx Freq:
Fwd Power: 4.5
Rev Power: 0.1
SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
1920	11:09	1550		0
1920	11:09	1551		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1021	13.10	

Problem:

Action Taken: Replaced Battery and Dessicant. Txr OK. Solar OK. Wind OK. @ 11:04 ID 1921 raw = 119 => 46.6% RH, ID 1922 raw = 124 => 44 deg.F, psychrometer readings Td = 41 deg.F, Tw = 32 deg.F implying RH = 38% and dp = 13 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brighton	Date:	11-Sep-12
Time:	9:40	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
1920	9:58	1638		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Wind OK. @ 9:41 ID 1921 raw = 81 => 31.76% RH, ID 1922 raw = 159 => 79 deg.F, psychrometer readings Td = 77 deg.F, Tw = 59 deg.F implying RH = 33% and dp = 46 deg. F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Squaw Mountain	Date:	06-Jun-12
		Time:	11:32
Service Type:	Inspection	Technician:	SB
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
2190	12:35	961		0
2190	12:37	962		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: TB Stopped reporting.

Action Taken: Fixed broken bracket for TB. RF OK. TB OK. RF AT and WInd OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Squaw Mountain	Date:	21-Sep-12
Service Type:	Service Call	Technician:	PB
		Time:	14:42
		Status:	OK

Configuration Changes	
Part #	Location
TH V C234000	9000
TB H 1202	9000
SW 1550	9000
SP X 6765	9000
DL CS 7699	9000
CE E135	9000
BY R 1129	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: New tower installed. Tower supporting equipment being torn down. Recover site.

Action Taken: Removed site from tower. Moved into OneRain inventory to be installed at a later date.

Site Notes:

Follow-Up: Propose site reconfiguration. Prefer avoiding remounting site on new tower.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hiwan** Date: **24-Oct-12** Time: **11:30**
Service Type: **End of Season** 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:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
2210	11:35	889		0
2210	11:36	890		0

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: Battery unavailable. Tested txr, OK.

@ 11:28 psychrometer Td = 47 and Tw = 39 => 51 % RH and Dp = 30 deg. Site reading ID 2212 raw = 86 => 46 deg and ID 2210 raw = 58 => 58%. Solar OK. TB OK. Wind OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hiwan	Date:	21-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		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
2210	10:58	862		0
2210	10:59	863		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:43 psychrometer Td = 64 and Tw = 46 => 26 % RH and Dp = 29 deg.. Site reading ID 2212 raw =107 => 67 deg and ID 2210 raw = 24 => 24%. TB OK. Wind OK. FM ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hiwan	Date:	22-Mar-12
Service Type:	Inspection	Technician:	ZC/DP
		Time:	10:54
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1029	2210
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:	
Jumpers:	
Eprom:	
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
2210	11:08	680		0
2210	11:08	681		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr. RF OK. Solar OK. TB OK. @ 11:02 ID 2211 raw = 20 => 29% RH, ID 2212 raw = 94 => 54 deg.F, psychrometer rreadings Td = 53 deg.F, Tw = 38 deg.F implying RH = 35% and dp = 18 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hiwan** Date: **06-Jun-12** Time: **14:12**
Service Type: **Inspection** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0636	2210
BY R 1029	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
2210	14:41	757		0
2210	14:41	758		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0636	13.10	

Problem:

Action Taken: @ 2:34 psychrometer AT = 70 degrees RH = 41. Site reading AT=69 and RH=44. TB OK. RHAT OK. FM OK. Wind OK. Changed battery and desiccant. SOLar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	28-Jun-12
Time:	12:03	Service Type:	Inspection
Technician:	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	
2223	12:18	892	3.91 psi	884	
2223	12:19	460	2.03 psi	459	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested with acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Evergreen Lake Date: 24-Oct-12 Time: 11:13
Service Type: End of Season Technician: ZC/SB Status: OK

Configuration Changes

Part #	Location
TX J 2808	2220
BY R 1121	2220
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 2808	4.98	185	2.2	

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2223	11:27	1125	5.01 psi	1133
2223	11:28	411	1.84 psi	417

Battery Tests

Battery #	V Quiescent	V Load
BY R 1121	13.27	

Problem:

Action Taken: Bench tested TXR. Replaced battery and desiccant. RF OK. PT OK w/ good hydraulic contact.

Bolt to TOR: 152 1/2"
TOR to Benchmark: -12 3/4" (concrete dam at riser)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	21-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	10:27
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0431	2220

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2220-0002-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
2223	12:19	1154	5.12 psi	1158	
2223	12:20	486	2.16 psi	488	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0431	13.19	

Problem:

Action Taken: Replaced Battery. PT tested within range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Evergreen Lake	Date:	22-Mar-12
Service Type:	Start Up	Technician:	ZC/DP
		Time:	13:06
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
2223	0.010	-0.0024	0.0039

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2220-0002-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.9
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
2223	13:25	1136	4.98 psi	1115	
2223	13:30	1830	8.08 psi	1802	
2223	13:30	1623	7.17 psi	1601	
2223	13:31	1132	5.01 psi	1121	
2223	13:31	706	3.12 psi	701	
2223	13:32	266	1.17 psi	270	
2223	13:33	1178	5.21 psi	1179	
2223	13:34	455	2.01 psi	454	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, battery and dessicant. RF ok. PT tested outside of acceptable range and was calibrated.

{Auto Entry: Calibrated sensor 2223 by linear regression. Modified calibration data. New calibration [Slope(0.0102), Calibration Offset(-0.0024), Std Error(0.0039), Calibration Date(3/22/2012 1:32:29 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Cub** Date: **28-Jun-12** Time: **11:19**
 Service Type: **Inspection** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2233	0.011	-0.9806	0.214

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	11:45	86		0
2230	11:46	87		0
2233	11:30	1970	9.12 psi	1959
2233	11:31	1537	6.97 psi	1511
2233	11:32	1145	5.08 psi	1119
2233	11:33	725	3.07 psi	702
2233	11:34	313	1.11 psi	294
2233	11:48	1144	5.08 psi	1144
2233	11:49	511	2.06 psi	516

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside of acceptable range. PT calibrated. PT appears to be drifting. Consider replacement. TB ok.

{Auto Entry: Calibrated sensor 2233 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.9806), Std Error(0.2140), Calibration Date(6/28/2012 11:48:04 AM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Cub	Date:	24-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	11:48
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 25158	9000
TB H 467	9000
BY R 1106	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	11:52	1038	4.56 psi	1036	
2233	11:53	418	1.53 psi	407	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, Battery, TB, and Desiccant for season. PT OK. PT raised for end of season.

Bolt to Riser: 69 1/2"
 Top of riser measurement: 5' - 0 3/4"
 BM measurement: 5' - 0 1/2"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Cub	Date:	22-Mar-12
Service Type:	Start Up	Technician:	ZC/DP
		Time:	12:15
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25158	2230
TB H 467	2230
BY R 1226	2230

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2230-0012-1112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure	Predicted	
2230	12:32	1			0
2230	12:32	2			0
2233	12:30	1146	5.13 psi		1129
2233	12:31	537	2.20 psi		521

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, battery, dessicant and TB. RF ok, PT tested within acceptable range. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Creek @ Cub	Date:	21-Sep-12
Time:	12:30	Service Type:	Inspection
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	
2230	12:39	60			0
2230	12:39	61			0
2233	12:36	1148	5.11 psi		1150
2233	12:37	529	2.14 psi		533

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. TB ok. Distance between top of riser and stop bolt = 69-3/8"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Bear Creek @ Cub** Date: **02-Aug-12** Time: **11:52**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1106	2230
BY R 1226	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	12:13	8		0
2230	12:13	9		0
2230	12:14	10		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1106	12.94	

Problem: Low battery..

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cold Spring Glch	Date:	22-Mar-12
		Time:	12:34
Service Type:	Start Up	Technician:	PB/SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25150	2240
TB H 553	2240
BY R 0347	2240

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2240-0012-1112-11011
Jumpers:	W10,W4
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
2240	12:51	1		0	
2240	12:51	2		0	
2240	12:52	3		0	
2243	12:43	1180	5.73 psi	1182	
2243	12:44	447	2.18 psi	450	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0347	12.96	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cold Spring Glch	Date:	28-Jun-12
		Time:	10:54
Service Type:	Inspection	Technician:	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	
2240	11:00	86		0	
2240	11:00	87		0	
2243	10:57	1045	5.02 psi	1036	
2243	10:58	439	2.10 psi	435	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cold Spring Glch	Date:	24-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
			Time: 12:40
			Status: Site Down

Configuration Changes	
Part #	Location
TX J 25150	9000
TB H 553	9000
BY R 1116	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	
2243	12:41	1192	5.77 psi	1190	
2243	12:42	335	1.63 psi	338	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, Battery, TB, and desiccant for season. PT OK. Pulled PT UP.

Stop bolt to TOR: 24 1/2"
 TOR measurement: 7' 3 3/4"
 Benchmark Measurement: 3 3/4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cold Spring Glch	Date:	21-Sep-12
Time:	12:52	Service Type:	Inspection
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	
2240	13:01	44			0
2240	13:02	45			0
2240	13:03	46			0
2243	12:56	1038	5.02 psi		1036
2243	12:57	444	5.15 psi		1063
2243	12:59	1041	5.04 psi		1039
2243	13:00	452	2.19 psi		453

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. TB Funnel clogged and cleaned. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Cold Spring Glch Date: 02-Aug-12 Time: 14:19
Service Type: OneRain Service Ca Technician: PB Status: OK

Configuration Changes

Part #	Location
BY R 1116	2240
BY R 0347	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	14:28	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1116	13.11	

Problem: Low battery.

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Rosedale** Date: **24-Oct-12** Time: **10:01**
Service Type: **End of Season** Technician: **ZC/SB** Status: **Site Down**

Configuration Changes

Part #	Location
TX J 21421	9000
TB H 1175	9000
BY R 0943	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2253	10:04	1050	5.03 psi	1055
2253	10:05	434	2.04 psi	440

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery, dessicant and TB. RF ok. Tested PT. PT ok, raised for end of season.

Bolt to Top Riser: 62"
Top of Riser level: 5' 4 3/4"
Bench mark level: 5' 4 1/4"

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Rosedale** Date: **22-Mar-12** Time: **11:32**
Service Type: **Start Up** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 21421	2250
TB H 1175	2250
BY R 1229	2250

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2250-0012-1112-11011**
Jumpers:
Eprom: **B**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.5**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
2250	11:57	4		0
2250	11:57	6		0
2253	11:52	1052	5.00 psi	1049
2253	11:53	436	2.02 psi	436

Battery Tests

Battery #	V Quiescent	V Load

Problem:

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

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rosedale	Date:	21-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	11:21
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0943	2250
BY R 1229	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2250	11:30	1			0
2250	11:30	2			0
2253	11:28	1091	5.18 psi		1087
2253	11:29	469	2.19 psi		471

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0943	13.32	

Problem:

Action Taken: Replaced Battery. PT tested within range. Hydraulic contact ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rosedale	Date:	28-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:48
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2250	13:57	99			0
2250	13:57	100			0
2253	13:53	1022	4.83 psi		1013
2253	13:54	444	2.06 psi		444

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT intake flushed. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Brook Forest	Date: 22-Mar-12	Time: 10:54	
Service Type: Start Up	Technician: PB/SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 25149	2260
TB H 9401	2260
BY R 1107	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
2260	11:04	1		0
2260	11:04	1		0
2260	11:04	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1107	13.31	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brook Forest	Date:	02-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	12:33
		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:	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	12:35	206		0
2260	12:35	207		0
2260	12:36	208		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Brook Forest	Date:	24-Oct-12
Time:	12:09	Service Type:	End of Season
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
TX J 25149	9000
TB H 9401	9000
BY R 1107	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. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cub Ck below Blue** Date: **22-Mar-12** Time: **9:54**
 Service Type: **Start Up** Technician: **PB/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25146	2270
PT D 3514924	2270
BY R 0628	2270
PT D 15221RB	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2273	0.011	0.0763	0.0186

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **2270-0012-1112-11011**
 Jumpers: **W10,W4**
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
2270	12:08	1		0
2270	12:08	2		0
2273	10:29	2009	9.81 psi	2023
2273	10:30	1366	6.68 psi	1378
2273	10:31	1048	5.13 psi	1060
2273	10:32	603	2.97 psi	614
2273	10:33	249	1.24 psi	259
2273	10:34	1171	5.73 psi	1174
2273	10:35	630	3.10 psi	632
2340	12:53	3		0
2340	12:54	4		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0628	13.37	

Problem:

Action Taken: Installed battery, dessicant. Replaced PT, calibrated. TB OK.

{Auto Entry: Calibrated sensor 2273 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(0.0763), Std Error(0.0186), Calibration Date(3/22/2012 10:33:21 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cub Ck below Blue	Date:	24-Oct-12
		Time:	10:35
Service Type:	End of Season	Technician:	ZC/SB
		Status:	Site Down

Configuration Changes	
Part #	Location
TX J 8745	9000
TB H 566	9000
BY R 0631	9000
BY R 0603	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2273	10:42	1051	5.14 psi	1056	
2273	10:43	441	2.10 psi	448	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed Txr, battery, dessicant and TB. Tested Txr. Txr OK. PT raised for end of season.

Stop Bolt to TO Riser - 47 3/4"
Top of riser measurement - 2' 0"
Bench mark measurement - 2' 2 1/4" (top of W culvert)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cub Ck below Blue	Date:	21-Sep-12
Service Type:	Inspection	Technician:	ZC/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	
2270	11:57	203		0	
2270	11:58	204		0	
2273	11:54	457	2.17 psi	460	
2273	11:55	1047	5.13 psi	1055	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. 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: **23-May-12** Time: **10:24**
 Service Type: **OneRain Service Ca** Technician: **PB/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 8745	2270
TB H 566	2270
BY R 0603	2270
TX J 28972	9000
BY R 1017	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2273	0.012	-0.293	0.1027

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	11:07	1846	9.05 psi	1736
2273	11:08	1413	6.89 psi	1327
2273	11:08	1048	5.08 psi	985
2273	11:09	632	3.01 psi	594
2273	11:09	251	1.12 psi	235
2273	11:10	24	0.00 psi	24
2273	11:12	988	4.86 psi	999
2273	11:13	412	1.93 psi	412

Battery Tests

Battery #	V Quiescent	V Load
BY R 0603	13.14	

Problem: Stage overreporting.

Action Taken: Changed battery. Replaced damaged topsection and TB to solve water infiltration. Replaced cable from sig cnd to txr. Calibrated PT.

{Auto Entry: Calibrated sensor 2273 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.2930), Std Error(0.1027), Calibration Date(5/23/2012 11:11:50 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cub Ck below Blue** Date: **08-May-12** Time: **11:45**
 Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 28972	2270
BY R 1017	2270
TX J 25146	9000
BY R 0628	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2273	0.012	-0.2981	0.1089

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	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	12:28	1765	9.24 psi	1896
2273	12:29	1364	7.08 psi	1451
2273	12:30	990	5.08 psi	1040
2273	12:31	637	3.21 psi	653
2273	12:32	256	1.22 psi	244
2273	12:33	17	0.00 psi	-7
2273	12:34	957	4.97 psi	965
2273	12:35	435	2.14 psi	429

Battery Tests

Battery #	V Quiescent	V Load

Problem: Stage reading erratic.

Action Taken: Large amount of water found in SP. Water had also leaked into txr canister. PT tested OK manually. Swapped water affected parts (txr, battery, sig cond). Sealed repairs to topsection. Calibrated PT. Good hydraulic contact.

{Auto Entry: Calibrated sensor 2273 by linear regression. Modified calibration data. New calibration [Slope(0.0122), Calibration Offset(-0.2981), Std Error(0.1089), Calibration Date(5/8/2012 12:34:04 PM)]}.

Site Notes:

Follow-Up: Replace topsection to permanently repair leaks.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Cub Ck below Blue** Date: **11-May-12** Time: **12:05**
 Service Type: **Service Call** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0631	2270
BY R 0628	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2273	0.011	-0.1257	0.0295

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
2270	12:36	2		0
2270	12:36	3		0
2273	12:22	1936	9.07 psi	1862
2273	12:23	1473	6.88 psi	1409
2273	12:24	1123	5.21 psi	1066
2273	12:25	688	3.18 psi	648
2273	12:26	343	1.58 psi	318

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Replaced battery. Dead after many TXR. Site appears in perfect condition. TB OK. RF OK. PT OK.

{Auto Entry: Calibrated sensor 2273 by linear regression. Modified calibration data. New calibration [Slope(0.0109), Calibration Offset(-0.1257), Std Error(0.0295), Calibration Date(5/11/2012 12:27:44 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kinney Peak	Date:	28-Jun-12
Service Type:	Service Call	Technician:	ZC
		Time:	12:50
		Status:	OK

Configuration Changes	
Part #	Location
TB H 568	2280
TB H 555	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
2280	13:03	147		0
2280	13:03	149		0
2280	13:04	150		0
2280	13:10	151		0
2280	13:10	152		0
2280	13:10	152		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: TB bouncing causing double tips.

Action Taken: Replaced TB. Tipped TB 5 times. No replication of trouble tips shown for test tips.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kinney Peak	Date:	02-Aug-12
Time:	13:10	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
2280	13:13	222		0
2280	13:14	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:	Kinney Peak	Date:	22-Mar-12
Service Type:	Start Up	Technician:	PB/SB
		Time:	11:36
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25157	2280
TB H 555	2280
BY R 0619	2280

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2280-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0619	13.31	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Kinney Peak	Date:	24-Oct-12
Time:	12:57	Service Type:	End of Season
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
TX J 25157	9000
TB H 568	9000
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:	2280-0012-0112-11011
Jumpers:	
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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, TB, battery. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Genesee Village	Date:	02-Aug-12
Time:	10:03		
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:	2310-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
2310	10:10	180		0
2310	10:15	182		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB cleaned, OK. Freq. on 169.500?

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Genesee Village** Date: **24-Oct-12** Time: **9:39**
Service Type: **End of Season** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
TX J 25156	9000
TB H 570	9000
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: **2310-0012-0112-11011**
 Jumpers:
 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

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, TB, battery. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Genesee Village**Date: **22-Mar-12**Time: **9:33**Service Type: **Start Up**Technician: **ZC/DP**Status: **OK****Configuration Changes**

Part #	Location
TX J 25156	2310
TB H 570	2310
BY R 1035	2310
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: **2310-0012-0112-11011**
 Jumpers:
 Eprom: **B**
 Tx Freq: **169.525**
 Rx Freq:
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
2310	9:42	1		0
2310	9:43	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1035	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: **Choke Cherry Res** Date: **21-Sep-12** Time: **10:28**
Service Type: **Inspection** 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
2320	10:28	628		0
2320	10:28	629		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: **22-Mar-12** Time: **9:52**
 Service Type: **Inspection** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
TB S 9403	2320
BY R 9735	2320
BY R 0339	2320
BY K 0005	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom: **2320 J**
 Tx Freq: **169.525**
 Rx Freq: **169.525**
 Fwd Power: **4.6**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
2320	10:15	440		0
2320	10:15	441		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced "K" battery with 2 "R" size and desiccant , RF OK. Solar OK.TB OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Choke Cherry Res	Date:	02-Aug-12
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:	2320 J
Tx Freq:	169.525
Rx Freq:	169.525
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Choke Cherry Res** Date: **24-Oct-12** Time: **10:08**
 Service Type: **End of Season** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1101	2320
BY R 1002	2320
BY R 9735	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: **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	10:32	651		0
2320	10:33	652		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1101	13.17	
BY R 1002	13.14	

Problem:

Action Taken: Replaced battery, dessicant. Tx OK. Rx OK. TB OK. Solar OK.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	05-Sep-12
Time:	13:35	Service Type:	Inspection
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	
2333	13:38	1193	5.15 psi	1206	
2333	13:39	478	2.07 psi	489	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	28-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	14:35
		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	
2330	14:45	134			0
2330	14:45	135			0
2333	14:42	1068	4.56 psi		1069
2333	14:43	497	2.12 psi		501

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. USGS gauge reading 5.18ft. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Morrison

Date: 16-Feb-12

Time: 14:43

Service Type: Start Up

Technician: PB

Status: OK

Configuration Changes

Part #	Location
TX J 6713	2330
TB H 552	2330
BY R 1027	2330

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2333	0.01	-0.0746	0.0167

Tx Maintenance

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

Switches: 2330-00E
Jumpers: C:J1,1-2,J3,5on;L:J1,4,6,1
Eprom: R 1.8 57FE
Tx Freq: 169.525
Rx Freq:
Fwd Power: 4.0
Rev Power: 0.1
SWR: 1.38

Test Transmission

Port	Time	Count	Measure	Predicted
2330	14:55	1		0
2330	14:57	10		0
2330	14:57	11		0
2333	15:04	1948	8.35 psi	1981
2333	15:05	1621	6.94 psi	1650
2333	15:06	1161	4.97 psi	1185
2333	15:07	725	3.09 psi	743
2333	15:08	229	0.95 psi	240
2333	15:09	1204	5.15 psi	1208
2333	15:10	470	1.99 psi	471
2704	14:56	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1027	13.11	

Problem:

Action Taken: Installed battery, txr, dessciant, TB. Solar OK. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 2333 by linear regression. Modified calibration data. New calibration [Slope(0.0099), Calibration Offset(-0.0746), Std Error(0.0167), Calibration Date(2/16/2012 3:08:48 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Morrison	Date:	24-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	13:14
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1247	2330
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 6713	4.98	27	2.5	0.00

Settings and Performance	
Switches:	2330-00E
Jumpers:	C:J1,1-2,J3,5on;L:J1,4,6,1
Eprom:	R 1.8 57FE
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.3
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
2330	13:18	275			0
2330	13:30	1			0
2330	13:31	2			0
2333	13:19	1229	5.23 psi		1225
2333	13:21	433	1.86 psi		442

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1247	13.01	

Problem:

Action Taken: Replaced battery and dessicant. Tested Txr. Txr OK. Solar OK. RF ok. PT tested OK. TB OK.

State of colorado gauge reading 5.62'. PT reading 5.44'.

Bolt to TO Riser: 119 7/16"
 TO Riser to BM: -22 3/4"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	El Rancho	Date:	24-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	11:06
		Status:	OK

Configuration Changes	
Part #	Location
TX J 23326	9000
TB J 10764	9000
BY R 1230	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed txr, TB, battery. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **El Rancho** Date: **22-Mar-12** Time: **10:32**
Service Type: **Start Up** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
TX J 23326	2340
TB J 10764	2340
BY R 1230	2340

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **2340-3-D**
Jumpers: **C:J6,1-2,J5off;L:J9,10,1-2,**
Eprom: **R 1.8 9CA1**
Tx Freq: **169.525**
Rx Freq:
Fwd Power: **4.6**
Rev Power: **0.1**
SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
2340	10:38	1		0
2340	10:41	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:	El Rancho	Date:	02-Aug-12
Time:	11:33	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: TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Idledale	Date:	02-Aug-12
Time:	14:41		
Service Type:	OneRain Service Ca	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
2350	14:42	140		0
2350	14:42	141		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: **21-Sep-12** Time: **13:13**
Service Type: **OneRain Service Ca** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1122	2350
BY R 0805	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
2350	13:23	1		0
2350	13:24	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1122	13.19	

Problem: Battery low.

Action Taken: Replaced battery. Trimmed trees obstructing rain catch. Cleaned TB funnel. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Idledale	Date: 22-Mar-12	Time: 13:03	
Service Type: Start Up	Technician: PB/SB	Status: OK	

Configuration Changes	
Part #	Location
TX J 25147	2350
TB H 635	2350
BY R 0805	2350

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2350-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
2350	13:10	1		0
2350	13:10	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0805	13.06	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK. Cut back tree.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Idledale	Date:	24-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 14:15
			Status: OK

Configuration Changes	
Part #	Location
TX J 25147	9000
TB H 635	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, TB, battery. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Indian Hills** Date: **02-Aug-12** Time: **13:41**
Service Type: **OneRain Service Ca** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1009	2360
BY R 0416	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: **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	14:06	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1009	13.08	

Problem: Low battery.

Action Taken: Changed battery. TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Indian Hills	Date:	24-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	13:37
		Status:	OK

Configuration Changes	
Part #	Location
TX J 25152	9000
TB H 561	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. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Indian Hills	Date:	22-Mar-12
Time:	12:15	Service Type:	Start Up
Technician:	PB/SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 25152	2360
TB H 561	2360
BY R 0416	2360

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2360-0012-0112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.525
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
2360	12:23	1		0
2360	12:23	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0416	13.13	

Problem:

Action Taken: Installed txr, battery, dessicant. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	28-Jun-12
Service Type:	Inspection	Technician:	ZC
		Time:	15:01
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	2370-0012-1112-11011
Jumpers:	
Eprom:	B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission					
Port	Time	Count	Measure	Predicted	
2370	15:29	103		0	
2370	15:29	104		0	
2373	15:23	1038	4.84 psi	1033	
2373	15:24	459	2.07 psi	458	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Cleaned TB. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Red Rocks

Date: 22-Mar-12

Time: 13:27

Service Type: Start Up

Technician: PB/SB

Status: OK

Configuration Changes

Part #	Location
TX J 28969	2370
TB H 616	2370
BY R 1133	2370

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
2373	0.011	-0.3051	0.0715

Tx Maintenance

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

Switches: 2370-0012-1112-11011
Jumpers:
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
2370	13:53	1		0
2370	13:53	2		0
2373	13:39	1023	4.81 psi	1043
2373	13:44	1971	9.36 psi	1990
2373	13:45	1471	6.96 psi	1490
2373	13:46	1052	4.94 psi	1070
2373	13:47	648	2.99 psi	666
2373	13:48	266	1.15 psi	283
2373	13:49	1158	5.45 psi	1159
2373	13:50	322	1.41 psi	321

Battery Tests

Battery #	V Quiescent	V Load
BY R 1133	13.24	

Problem:

Action Taken: Installed txr, battery, desiccant. TB OK. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 2373 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.3051), Std Error(0.0715), Calibration Date(3/22/2012 1:49:00 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	24-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
			Time: 13:45
			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	
2373	13:52	1213	5.67 psi	1206	
2373	13:53	410	1.81 psi	404	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed TXR, Battery, TB, and desiccant for season. Tested PT. PT OK. Pulled up for season.

Stop bolt to TOR: 24"
 TOR Measurement: 6' 3 1/4"
 Benchmark Measurement: 2' 3 1/2"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Rocks	Date:	05-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	13:14
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
2370	13:15	189			0
2370	13:15	190			0
2373	13:23	1069	5.04 psi		1074
2373	13:24	448	2.03 psi		450

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Crescent Rain	Date:	08-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	11:46
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0906	4010
BY R 0422	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8695	4.98	298	2.3	0.00

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	12:13	1		0
4010	12:13	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0906	13.03	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. Txr OK. TB OK.

Site Notes:

Follow-Up: Monitor RF performance until startup. Consider radio replacement.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Crescent Rain	Date:	15-Aug-12
Time:	11:55	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
4010	11:59	201		0
4010	12:00	202		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:	21-Mar-12
Time:	10:47	Service Type:	Inspection
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 0422	4010
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:	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	11:02	1		0
4010	11:03	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0422	13.29	

Problem:

Action Taken: Replaced battery, dessicant. 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:	21-Mar-12
		Time:	11:21
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0901	4020
BY R 0415	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	11:32	61		0
4020	11:36	62		0
4020	11:36	63		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0901	13.10	

Problem:

Action Taken: Replaced battery, dessicant. 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: 08-Oct-12 Time: 12:41
Service Type: End of Season Technician: PB/ZC Status: OK

Configuration Changes

Part #	Location
BY R 0434	4020
BY R 0901	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 8765	4.98	123	2	

Settings and Performance

Switches: 4020-00E
Jumpers: C:J5 off
Eprom: R 1.8 57FE
Tx Freq: 169.500
Rx Freq:
Fwd Power: 20.0
Rev Power: 0.1
SWR: 1.15

Test Transmission

Port	Time	Count	Measure	Predicted
4020	13:04	1		0
4020	13:04	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0434	12.93	

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:	15-Aug-12
		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
4020	12:20	259		0
4020	12:20	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:	Red Garden Rain	Date:	15-Aug-12
Time:	11:04	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
4030	11:13	193		0
4030	11:13	194		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:	Red Garden Rain	Date:	09-Mar-12
		Time:	12:24
Service Type:	Start Up	Technician:	SB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1211	4030
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:	4030-00e
Jumpers:	C: J5 off
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.8
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
4030	12:15	1		0
4030	12:15	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1211	13.00	

Problem:

Action Taken: Replaced battery and dessicant. RF ok. TB ok.

Site Notes: Bring mickey mouse key

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Red Garden Rain	Date:	30-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	11:05
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0943	4030
BY R 1211	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1859		212	3	0.00

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4030	11:10	264		0
4030	11:27	265		0
4030	11:27	270		0
4030	11:35	1		0
4030	11:35	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0943	13.43	

Problem:

Action Taken: Replaced battery and dessicant. TB ok. Bench tested as TX J 18599.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Martin Gulch** Date: **10-Apr-12** Time: **12:19**
Service Type: **Inspection** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1102	4040
BY R 0404	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4040-00E**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **4.0**
Rev Power: **0.1**
SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4040	12:33	1		0
4040	12:33	2		0
4040	12:33	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1102	13.30	

Problem:

Action Taken: Replaced battery, dessicant. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Martin Gulch	Date:	22-Aug-12
Time:	12:26	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
4040	12:29	205		0
4040	12:29	206		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:	15-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:45
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Cannot gain access, BCPOS changed locks.

Action Taken: Contacted BCPOS. Awaiting lock combo.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Martin Gulch	Date:	08-Oct-12
Time:	15:05	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:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Martin Gulch	Date:	15-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	14:30
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1030	4040
BY R 1102	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8764	4.98	110	2.5	

Settings and Performance	
Switches:	4040-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	18.0
Rev Power:	0.3
SWR:	1.3

Test Transmission				
Port	Time	Count	Measure	Predicted
4040	14:39	1		0
4040	14:40	2		0
4040	14:41	3		0
4040	14:41	5		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1030	12.92	

Problem:

Action Taken: Replaced 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: 08-Oct-12 Time: 14:31
Service Type: End of Season Technician: PB/ZC Status: OK

Configuration Changes

Part #	Location
BY R 1117	4050
BY R 1238	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 8768	4.98	125	2	

Settings and Performance

Switches: 4050-00E
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
4050	14:43	1		0
4050	14:44	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1238	13.12	

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:	Walker Ranch	Date:	15-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	12:56
		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
4050	12:59	163		0
4050	13:00	164		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:	21-Mar-12
Service Type:	Inspection	Technician:	PB
		Time:	13:02
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1238	4050
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:	4050-00E
Jumpers:	
Eprom:	
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 1238	13.15	

Problem:

Action Taken: Replaced battery, dessicant. Txr OK, TB OK, Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakeshore	Date:	15-Aug-12
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
4060	12:49	178		0
4060	12:49	179		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: 08-Oct-12 Time: 13:56
Service Type: End of Season Technician: PB/ZC Status: OK

Configuration Changes

Part #	Location
BY R 0230	4060
BY R 1234	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 9757	4.97	70	2	

Settings and Performance

Switches: 4060-00E
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
4060	14:13	1		0
4060	14:13	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0230	12.98	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. Txr OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lakeshore	Date:	21-Mar-12
Service Type:	Inspection	Time:	12:38
		Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1234	4060
BY R 0403	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	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
4060	12:51	1		0
4060	12:51	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1234	13.22	

Problem:

Action Taken: Replaced battery, dessicant. Txr OK, TB OK. Solar OK, low light.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Peak	Date:	21-Mar-12
		Time:	13:53
Service Type:	Inspection	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1244	4070
BY R 0625	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:	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 1244	13.00	

Problem:

Action Taken: Replaced battery, dessicant. 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:	15-Aug-12
Service Type:	Inspection	Technician:	PB
		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
4070	13:27	197		0
4070	13:27	198		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes: Currently located just behind restricted boundary.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bear Peak	Date:	15-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	15:15
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0805	4070
BY R 1244	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9759	5.01	320	2.5	

Settings and Performance	
Switches:	07
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	25.0
Rev Power:	0.5
SWR:	1.33

Test Transmission				
Port	Time	Count	Measure	Predicted
4070	15:29	1		0
4070	15:30	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0805	12.88	

Problem:

Action Taken: Replaced 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:	Twin Sisters	Date:	15-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	11:49
		Status:	OK

Configuration Changes	
<i>Part #</i>	<i>Location</i>
BY R 0901	4080
BY R 1201	9000

Transducer Calibration			
<i>Sensor ID</i>	<i>Slope</i>	<i>Calib Offset</i>	<i>Std Error</i>

Tx Maintenance				
<i>Part #</i>	<i>Ref V</i>	<i>Freq Err</i>	<i>Deviation</i>	<i>ROM Batt</i>
TX J 8763	4.98	50	2.4	0.00

Settings and Performance	
Switches:	4080-00E
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	27.0
Rev Power:	0.5
SWR:	1.32

Test Transmission				
<i>Port</i>	<i>Time</i>	<i>Count</i>	<i>Measure</i>	<i>Predicted</i>
4080	12:18	1		0
4080	12:18	2		0

Battery Tests		
<i>Battery #</i>	<i>V Quiescent</i>	<i>V Load</i>
BY R 0901	12.93	

Problem:

Action Taken: Replaced 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:	Twin Sisters	Date:	12-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	11:47
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1201	4080
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:	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	12:07	1		0
4080	12:07	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1201	13.20	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, TB ok, Solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Twin Sisters** Date: **16-Aug-12** Time: **12:07**
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
4080	12:11	238		0
4080	12:12	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:	Magnolia	Date:	16-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	11:32
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4090	11:39	216		0
4090	11:41	217		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK.

Site Notes: Bring Raid.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Magnolia	Date:	12-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	12:39
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1001	4090
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:	09
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.22

Test Transmission				
Port	Time	Count	Measure	Predicted
4090	12:59	1		0
4090	13:01	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1001	13.30	

Problem:

Action Taken: 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:	Magnolia	Date:	15-Oct-12
Service Type:	End of Season	Technician:	ZC
			Time: 11:19
			Status: OK

Configuration Changes	
Part #	Location
BY R 1037	4090
BY R 1001	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8757	4.98	90	2.4	

Settings and Performance	
Switches:	09
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.4
Rev Power:	0.2
SWR:	1.54

Test Transmission				
Port	Time	Count	Measure	Predicted
4090	11:32	1		0
4090	11:33	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1037	13.07	

Problem:

Action Taken: Replaced Battery and Dessicant. Texted Txr. Txr Ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Filter Plant	Date:	16-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	10:35
		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
4100	10:36	180		0
4100	10:37	181		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: **Filter Plant** Date: **18-Oct-12** Time: **10:13**
Service Type: **End of Season** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1109	4100
BY R 1114	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	5.02	235	2.5	

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	10:28	1		0
4100	10:29	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1109	13.16	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Filter Plant	Date:	26-Mar-12
Service Type:	Inspection	Technician:	ZC/DP
		Time:	10:48
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1114	4100
BY R 0226	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4100-E00
Jumpers:	JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
4100	10:55	1		0
4100	10:55	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1114	13.20	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Betasso	Date:	18-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 11:12
			Status: OK

Configuration Changes	
Part #	Location
BY R 1227	4110
BY R 1247	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2180	5.01	59	2.1	

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	11:34	1		0
4110	11:35	2		0
4110	11:35	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1227	13.18	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Betasso	Date:	26-Mar-12
Service Type:	Inspection	Technician:	ZC/DP
		Time:	11:28
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1247	4110
BY R 1131	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.1
Jumpers:	JB5 off,JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
4110	11:43	2		0
4747	11:43	1362		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Betasso	Date:	16-Aug-12
Service Type:	Inspection	Technician:	PB
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Swiss Peaks	Date:	16-Aug-12
Time:	14:13	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
4130	14:20	223		0
4130	14:20	224		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:	26-Mar-12
Service Type:	Inspection	Technician:	ZC/DP
		Time:	13:32
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1135	4130
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:	4130
Jumpers:	JB5 off,JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	6.0
Rev Power:	0.2
SWR:	1.45

Test Transmission				
Port	Time	Count	Measure	Predicted
4130	13:51	1		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1135	13.00	

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:	Swiss Peaks	Date:	18-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	12:58
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0422	4130
BY R 1135	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2184	5.04	125	2.1	

Settings and Performance	
Switches:	4130
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
4130	13:29	1		0
4130	13:29	2		0
4130	13:29	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0422	13.09	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Logan Mill	Date:	01-Aug-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:12
		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
4140	13:13	183		0
4140	13:14	184		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:	18-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	13:04
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0411	4140
BY R 1121	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9758	4.97	297	4	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4140	13:06	243		0
4140	13:17	1		0
4140	13:21	2		0
4140	13:21	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0411	13.26	

Problem:

Action Taken: Replaced 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:	Logan Mill	Date:	14-Mar-12
Service Type:	Inspection	Technician:	ZC/DP
		Time:	14:17
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1121	4140
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:	4140-00E
Jumpers:	C:J5 off; L:J7,11 on
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	28.0
Rev Power:	0.2
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4140	14:30	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1121	13.04	

Problem:

Action Taken: Replaced battery and desiccant in txx. RFOK. 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:	01-Aug-12
Service Type:	Inspection	Technician:	ZC
		Time:	12:36
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4150	12:39	220		0
4150	12:40	221		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: **18-Oct-12** Time: **12:08**
Service Type: **End of Season** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1102	4150
BY R 0324	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9762	4.97	135	4	

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
4150	12:09	299		0
4150	12:23	1		0
4150	12:23	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1102	13.24	

Problem:

Action Taken: Replaced Battery and Dessicant. Tested Txr. Txr ok. TB ok. Radio deviation high at 4 KHz. Monitor and consider replacement.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Gold Hill	Date: 13-Mar-12	Time: 13:05
Service Type: Inspection	Technician: ZC/DP	Status: OK

Configuration Changes

Part #	Location
BY R 0324	4150
BY R 1133	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: **21.0**
 Rev Power: **1.0**
 SWR: **1.56**

Test Transmission

Port	Time	Count	Measure	Predicted
4150	13:16	1		0
4150	13:16	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0324	13.10	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sunshine	Date:	01-Aug-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	10:48
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4160	10:53	212		0
4160	10:53	213		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:	18-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	10:47
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1108	4160
BY R 1139	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8768	4.97	196	4	

Settings and Performance	
Switches:	4160
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.9
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4160	11:01	1		0
4160	11:02	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1108	13.25	

Problem:

Action Taken: Replaced Battery and Dessicant. Tested Txr. Txr ok. TB ok.
Radio deviation high - monitor and consider replacement.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sunshine** Date: **13-Mar-12** Time: **10:22**
Service Type: **Start Up** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1139	4160
BY R 1112	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4160**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **5.0**
Rev Power: **0.1**
SWR: **1.33**

Test Transmission

Port	Time	Count	Measure	Predicted
4160	10:32	1		0
4160	10:36	2		0
4160	10:36	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1139	13.10	

Problem:

Action Taken: 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:	Pinebrook	Date:	17-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	10:44
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4170	10:48	133		0
4170	10:48	134		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: 23-Mar-12

Time: 14:18

Service Type: Start Up

Technician: ZC

Status: OK

Configuration Changes

Part #	Location
BY 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: 4170-00E

Jumpers:

Eprom:

Tx Freq: 169.500

Rx Freq:

Fwd Power: 4.5

Rev Power: 0.1

SWR: 1.35

Test Transmission

Port	Time	Count	Measure	Predicted
4070	13:59	2		0

Battery Tests

Battery #	V Quiescent	V Load
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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:	11-Oct-12
Service Type:	End of Season	Technician:	ZC/PB
			Time: 10:09
			Status: OK

Configuration Changes	
Part #	Location
BY R 1253	4170

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2177	4.98	58	2	

Settings and Performance	
Switches:	4170-00E
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
4170	10:31	1		0
4170	10:31	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1253	12.93	

Problem:

Action Taken: Replaced 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:	Gold Lake	Date:	09-Aug-12
Service Type:	Inspection	Technician:	PB/ZC
		Time:	14:51
		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
4180	14:53	204		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 Lake	Date: 09-Apr-12	Time: 13:39	
Service Type: Inspection	Technician: PB/ZC	Status: OK	

Configuration Changes	
Part #	Location
BY R 1040	4180
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:	0918
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 0337	13.10	

Problem:

Action Taken: Replaced battery, dessicant. Txr OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gold Lake** Date: **12-Oct-12** Time: **12:51**
Service Type: **End of Season** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1234	4180
BY R 1040	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 2731	4.98	267	2.5	

Settings and Performance

Switches: **0918**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **22.0**
Rev Power: **0.1**
SWR: **1.14**

Test Transmission

Port	Time	Count	Measure	Predicted
4180	14:09	1		0
4180	14:09	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1234	13.37	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. Txr 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:	11-Oct-12
Service Type:	End of Season	Technician:	ZC/PB
		Time:	14:23
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1238	4190
BY R 0411	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8760	4.98	150	4	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4190	14:49	4		0
4190	14:50	5		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1238	13.03	

Problem:

Action Taken: Replaced 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:	Slaughterhouse	Date:	13-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	14:18
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4190	14:24	221		0
4190	14:25	222		0
4190	14:25	223		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Slaughterhouse	Date:	28-Mar-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	12:58
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0411	4190
BY R 1040	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0F19
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4190	13:11	1		0
4190	13:12	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0411	13.00	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, TB ok, solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lazy Acres	Date:	15-Mar-12
		Time:	13:26
Service Type:	Start Up	Technician:	ZC
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1231	4200
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:	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
4200	13:41	1		0
4200	13:42	2		0
4712	13:42	124		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: 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:	Lazy Acres	Date:	30-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 11:48
			Status: OK

Configuration Changes	
Part #	Location
BY R 1228	4200
BY R 1231	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2683	4.98	296	3	

Settings and Performance	
Switches:	4200-E00
Jumpers:	JB5 off, JB7 on
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	0.5
Rev Power:	0.1
SWR:	2.62

Test Transmission				
Port	Time	Count	Measure	Predicted
4200	12:03	1		0
4200	12:04	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1228	12.86	

Problem:

Action Taken: Replaced battery. dessicant. Tested txr, very low wattage, replace radio, monitor. TB OK.

Site Notes:

Follow-Up: Replace radio,or txr on Spring startup

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lazy Acres	Date:	13-Aug-12
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
4200	13:07	182		0
4200	13:08	183		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:	Lee Hill Repeater	Date:	10-Apr-12
Service Type:	Inspection	Technician:	PB/ZC
		Time:	13:52
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed battery. RF OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Lee Hill Repeater Date: 28-Sep-12 Time: 11:47
Service Type: Inspection 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:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Repeater	Date:	30-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 12:20
			Status: OK

Configuration Changes	
Part #	Location
BY R 1132	4210

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
RP N 234		154	2.5	0.00

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1132	13.08	

Problem:

Action Taken: Replaced battery, dessicant. Tested tx side on IFR, OK. Did not have DB-9 for Ritron DTX-142 for sensitivity available. AC OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Repeater	Date:	13-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:32
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: RF OK. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Flings**Date: **21-Mar-12**Time: **10:55**Service Type: **Start Up**Technician: **ZC**Status: **OK****Configuration Changes**

Part #	Location
BY R 1227	4220
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: **0A22**
 Jumpers:
 Eprom:
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **35.0**
 Rev Power: **2.0**
 SWR: **1.63**

Test Transmission

Port	Time	Count	Measure	Predicted
4220	11:03	1		0
4220	11:04	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1227	13.20	

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: **Flings** Date: **12-Oct-12** Time: **12:15**
Service Type: **End of Season** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1003	4220
BY R 1227	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 8758	4.98	152	2.5	

Settings and Performance

Switches: **0A22**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **23.0**
Rev Power: **0.1**
SWR: **1.14**

Test Transmission

Port	Time	Count	Measure	Predicted
4220	12:26	1		0
4220	12:26	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1003	13.29	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Flings** Date: **09-Aug-12** Time: **14:20**
Service Type: **Inspection** 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
4220	14:21	228		0
4220	14:21	229		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:	Golden Age	Date:	19-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	10:36
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0223	4230

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1854	4.98	172	2.3	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4230	10:47	1		0
4230	10:47	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0223	13.39	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK. TB cleaned, leveled, OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Golden Age	Date:	17-Aug-12
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
4230	12:14	196		0
4230	12:14	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:	Golden Age	Date:	27-Mar-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	11:00
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1127	4230

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:	27.0
Rev Power:	2.5
SWR:	1.87

Test Transmission				
Port	Time	Count	Measure	Predicted
4230	11:11	1		0
4230	11:12	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1127	13.10	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, TB ok, solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sunset	Date:	13-Mar-12
Time:	12:05	Service Type:	Inspection
Technician:	ZC/DP	Status:	OK

Configuration Changes	
Part #	Location
BY R 1243	4240
BY R 1127	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:	24.5
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4240	12:19	1		0
4240	12:19	2		0
4240	12:20	3		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:	Sunset	Date:	18-Oct-12
Time:	11:29	Service Type:	End of Season
Technician:	ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1201	4240
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 9761	5.00	90	2.5	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4240	11:46	1		0
4240	11:46	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1201	13.35	

Problem:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sunset	Date:	01-Aug-12
Time:	11:20	Service Type:	Inspection
Technician:	ZC	Status:	OK

Configuration Changes	
Part #	Location
TB S 7800	4240
BY R 1028	4240
TB S 9607	9000
BY R 1243	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
4240	11:24	114		0
4240	11:24	115		0
4240	11:27	116		0
4240	11:27	117		0
4240	11:47	1		0
4240	11:52	2		0
4240	11:52	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1028	13.00	

Problem: TB appears to be under reporting.

Action Taken: TB clogged. Replaced tipping bucket. Replaced battery. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Geer Canyon	Date:	13-Aug-12
Time:	10:19	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
4250	10:42	147		0
4250	10:43	148		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB cleaned OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Geer Canyon** Date: **11-Oct-12** Time: **11:16**
 Service Type: **End of Season** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0947	4250
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 8744	4.98	291	2	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: **4.7**
 Rev Power: **0.1**
 SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4250	11:37	1		0
4250	11:38	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0947	12.88	

Problem:

Action Taken: Replaced 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:	Geer Canyon	Date:	28-Mar-12
		Time:	9:50
Service Type:	Inspection	Technician:	ZC/PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0412	4250
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:	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	10:07	1		0
4250	10:08	2		0
4250	10:08	3		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0412	13.30	

Problem:

Action Taken: Replaced battery and dessicant. RF 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:	21-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	11:23
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1242	4260
BY R 1114	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:	45.0
Rev Power:	1.0
SWR:	1.35

Test Transmission				
Port	Time	Count	Measure	Predicted
4260	11:34	1		0
4260	11:35	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1242	13.06	

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:	02-Aug-12
Time:	11:52	Service Type:	Inspection
Technician:	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:

Action Taken: TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Taylor Mountain	Date:	12-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	10:34
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1213	4260
BY R 1242	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529	4.99	156	2.5	

Settings and Performance	
Switches:	4260-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	24.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1213	13.07	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cannon Mountain	Date:	09-Apr-12
Time:	12:08		
Service Type:	Inspection	Technician:	PB/ZC
Status:	OK		

Configuration Changes	
Part #	Location
BY R 0415	4270
BY R 1101	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	.8
Jumpers:	
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4270	12:20	1		0
4270	12:21	2		0

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

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:	Cannon Mountain	Date:	28-Nov-12
Time:	12:03	Service Type:	OneRain Service Ca
Status:	OK	Technician:	PB/SB

Configuration Changes	
Part #	Location
BY R 1015	4270
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
BY R 1015	13.02	

Problem: Low voltage.

Action Taken: Replaced battery. Solar OK. Bad battery.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cannon Mountain	Date:	12-Oct-12
Time:	9:51	Service Type:	End of Season
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 0347	4270
BY R 0415	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529	4.99	293	2.5	

Settings and Performance	
Switches:	.8
Jumpers:	
Eprom:	R1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	23.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4270	10:01	1		0
4270	10:01	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0347	13.01	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Cannon Mountain	Date:	09-Aug-12
Time:	13:53		
Service Type:	Inspection	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
4270	13:56	196		0
4270	13:58	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:	Red Hill	Date:	13-Aug-12
Time:	11:02		
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:	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
4290	11:03	136		0
4290	11:03	137		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:	Red Hill	Date:	28-Mar-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	10:35
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1109	4290
BY R 1102	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4290-00E
Jumpers:	C:J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1109	13.20	

Problem:

Action Taken: Replaced battery and dessicant. 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: **11-Oct-12** Time: **12:04**
Service Type: **End of Season** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0903	4290
BY R 1109	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1517	4.98	275	2.2	

Settings and Performance

Switches: **4290-00E**
Jumpers: **C:J5 off**
Eprom: **R 1.8 9CA1**
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **22.0**
Rev Power: **0.3**
SWR: **1.26**

Test Transmission

Port	Time	Count	Measure	Predicted
4290	12:15	1		0
4290	12:16	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0903	12.93	

Problem:

Action Taken: Replaced 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:	Big Elk Park	Date:	29-Mar-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	9:57
		Status:	Incomplete

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Unable to gain access to site due to logging operations. Locks have been changed. Unknown as to when access will be available

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Big Elk Park	Date:	09-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	12:16
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1256	4300
BY R 0347	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1517	5.04	251	2	0.00

Settings and Performance	
Switches:	0F30
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

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1256	12.84	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. 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:	09-Aug-12
Time:	12:26		
Service Type:	OneRain Service Ca	Technician:	PB/ZC
Status:	OK		

Configuration Changes	
Part #	Location
BY R 0347	4300
BY R 1130	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
4300	12:51	246		0
4300	12:51	248		0
4300	12:52	249		0
4300	12:53	250		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0347	12.93	

Problem: Low battery.

Action Taken: Replaced battery, dessicant. TB OK. Solar OK.

Site Notes: Road rehab to site. Hike in.

Follow-Up: Contact BC. Gage now inaccessible by truck.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Big Elk Park	Date:	29-Mar-12
		Time:	9:57
Service Type:		Technician:	Status:

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Johnny Park	Date:	09-Oct-12
Time:	10:54	Service Type:	End of Season
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 0322	4310
BY R 0416	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1529	4.99	215	2.2	

Settings and Performance	
Switches:	4310
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	24.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4310	11:07	1		0
4310	11:07	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0322	13.01	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. 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: **09-Aug-12** Time: **10:17**
Service Type: **OneRain Service Ca** Technician: **PB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 0416	4310
BY R 0932	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
4310	10:29	272		0
4310	10:29	273		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0416	13.15	

Problem: Low battery.

Action Taken: Replaced battery, dessicant. TB OK

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Johnny Park	Date:	07-Nov-12
Service Type:	OneRain Service Ca	Technician:	ZC/PB
		Time:	11:21
		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
4310	11:08	29		0
4310	11:08	30		0
4310	11:22	31		0
4310	11:22	32		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Site went down on 10/21/12

Action Taken: Upon inspection standpipe had been shot 2 times. RF cable was severed.

Repaired RF cable and installed new BNC connector. Checked antenna on AEA. Antenna OK.
 TB OK. Patched holes in stand pipe.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Rain	Date:	27-Apr-12
Service Type:	Installation	Technician:	PB/ZC
		Time:	12:10
		Status:	OK

Configuration Changes	
Part #	Location
TX J 11031	4320
TB J 18553	4320
BY R 1101	4320

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
TB J 18553	12.51	

Problem:

Action Taken: Installed precipitation standpipe, txr, battery, TB. OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Rain	Date:	13-Aug-12
Time:	13:21	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
4320	13:22	194		0
4320	13:31	197		0
4320	13:31	198		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:	Lee Hill Rain	Date:	19-Oct-12
Time:	14:30	Service Type:	End of Season
Technician:	PB/ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 0413	4320
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 1103	5.04	150	2.1	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4320	14:39	1		0
4320	14:43	2		0
4320	14:47	5		0
4320	14:47	6		0
4320	14:48	7		0
4320	14:48	8		0
4320	14:49	9		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0413	13.42	

Problem:

Action Taken: Replaced Battery, dessicant. Replaced radio with IFR tested unit. TB ok. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lee Hill Rain	Date:	28-Sep-12
Time:	11:33	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
4320	11:43	250		0
4320	11:45	251		0
4320	11:46	252		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Txr reporting ID 4323.

Action Taken: Reinstalled jumper to turn off ID 4323.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Hansen** Date: **28-Mar-12** Time: **11:20**
Service Type: **Inspection** Technician: **ZC/PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1108	4330
BY R 1111	9000

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

Battery Tests

Battery #	V Quiescent	V Load
BY R 1108	13.30	

Problem:

Action Taken: Replaced battery and dessicant. 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:	13-Aug-12
Time:	11:36	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:	4330-00E
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
4330	12:03	1		0
4330	12:04	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem: Low timer and event performance.

Action Taken: PA output ~15W. Wattage increased to ~20W w/ radio replacement. Will continue to monitor.

TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hansen	Date:	11-Oct-12
Service Type:	End of Season	Technician:	ZC/PB
		Time:	13:00
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0408	4330
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 1529	4.98	125	3	

Settings and Performance	
Switches:	4330-00E
Jumpers:	C: J5 off
Eprom:	R 1.8 9CA1
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	24.0
Rev Power:	0.5
SWR:	1.34

Test Transmission				
Port	Time	Count	Measure	Predicted
4330	13:00	66		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0408	13.07	

Problem:

Action Taken: Replaced 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:	Riverside	Date:	09-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	14:13
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1254	4340
BY R 1003	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016	5.04	70	2	0.00

Settings and Performance	
Switches:	0834
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

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1254	12.95	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. Txr OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Riverside	Date: 02-Aug-12	Time: 12:21	
Service Type: Inspection	Technician: 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
4340	12:22	228		0
4340	12:23	229		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: 21-Mar-12	Time: 12:06	
Service Type: Start Up	Technician: ZC	Status: OK	

Configuration Changes	
Part #	Location
BY R 1003	4340
BY R 1109	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	0834
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	35.0
Rev Power:	1.0
SWR:	1.41

Test Transmission				
Port	Time	Count	Measure	Predicted
4340	12:20	1		0
4340	12:20	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1003	13.00	

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:	Conifer Hill	Date:	12-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 11:21
			Status: OK

Configuration Changes	
Part #	Location
BY R 1004	4350
BY R 1212	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016	4.99	215	2.5	

Settings and Performance	
Switches:	0935
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	22.0
Rev Power:	0.1
SWR:	1.14

Test Transmission				
Port	Time	Count	Measure	Predicted
4350	11:38	5		0
4350	11:38	6		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1004	13.17	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. Txr OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Conifer Hill**Date: **21-Mar-12**Time: **13:23**Service Type: **Start Up**Technician: **ZC**Status: **OK****Configuration Changes**

Part #	Location
BY R 1212	4350
BY R 0946	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **0935**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **35.0**
Rev Power: **0.5**
SWR: **1.27**

Test Transmission

Port	Time	Count	Measure	Predicted
4350	13:36	1		0
4350	13:36	2		0
4350	13:37	3		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1212	13.25	

Problem:**Action Taken:** Replaced battery and desiccant. RF OK. TB OK. 2**Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Conifer Hill	Date:	02-Aug-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:17
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4350	13:20	220		0
4350	13:22	221		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok. Cleared trees from solar view and rain catch.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Justice Center	Date:	10-Apr-12
Service Type:	Inspection	Technician:	PB/ZC
		Time:	10:15
		Status:	Incomplete

Configuration Changes	
Part #	Location
BY R 0338	4360
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:	.01
Jumpers:	14.2
Eprom:	32
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 1020	13.10	

Problem: Roof work being done. City moved gauge to side of antenna mast, poor rain catch location

Action Taken: City will move gauge on our direction. See photos. Changed battery, dessicant. TB in poor location, cleaned, leveled.

Site Notes:

Follow-Up: Confirm gauge relocation.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Justice Center** Date: **28-Sep-12** Time: **12:37**
Service Type: **Inspection** 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:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Justice Center	Date: 19-Nov-12	Time: 10:55	
Service Type: End of Season	Technician: ZC/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:	.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

Problem:

Action Taken: Replaced battery and dessicant. TB ok. RF ok. Solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	14-Sep-12
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	
4373	13:08	1017	4.86 psi	1014	
4373	13:09	380	1.81 psi	380	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	08-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	13:29
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1031	4370

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2688	4.98	162	2	

Settings and Performance	
Switches:	4370-
Jumpers:	C:JB6,2-3,JB3,4,5 off;L:J
Eprom:	585B
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	5.0
Rev Power:	0.1
SWR:	1.33

Test Transmission					
Port	Time	Count	Measure	Predicted	
4373	13:41	1159	5.54 psi	1155	
4373	13:42	379	1.81 psi	379	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1031	13.14	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. Txr OK. TB OK. AC OK. PT tested within acceptable range.

Distance from stop bolt to hut floor = 97.75 in. Hut floor to top of shoot wall = 9.5 in.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	13-Jul-12
Time:	12:33		
Service Type:	Inspection	Technician:	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	
4373	12:36	635	2.90 psi	607	
4373	12:37	1022	4.72 psi	985	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gross	Date:	21-Mar-12
Service Type:	Inspection	Technician:	PB
		Time:	11:59
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1003	4370
BY R 0332	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4373	0.011	-0.0429	0.0161

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4373	12:13	1872	8.97 psi	1898	
4373	12:14	1417	6.78 psi	1439	
4373	12:15	1026	4.91 psi	1047	
4373	12:16	612	2.92 psi	630	
4373	12:17	257	1.22 psi	273	
4373	12:18	5	0.00 psi	17	
4373	12:19	1093	5.23 psi	1090	
4373	12:20	433	2.06 psi	432	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1003	12.74	

Problem:

Action Taken: Replaced battery, dessicant. PT tested outside acceptable range. Calibrated.

{Auto Entry: Calibrated sensor 4373 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0429), Std Error(0.0161), Calibration Date(3/21/2012 12:18:54 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	09-Mar-12
Time:	11:14		
Service Type:	OneRain Service Ca	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:
Tx Freq:
Rx Freq:
Fwd Power:
Rev Power:
SWR:

Test Transmission				
Port	Time	Count	Measure	Predicted
4376	11:25	5		0
4380	11:23	1		0
4380	11:23	2		0
4380	11:24	3		0
4380	11:24	4		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Radio Path Test w/ and w/out power amp.
 Tested at 11:22am w/out power amp - 1 test button, 4 tips, 1 test button, 1 tip.

Tested at 11:30am w/ power amp-tips 1-3 w/power amp. Heard locally on repeater frequency 171.897. Tips 4,5 (11:33, 11:34) heard on repeater frequency without power amp.

Radio path confirmed without power amp.

Site Notes: Black gate code: #2020. Green gate USGS key. Shed USGS key.

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	13-Jul-12
Time:	10:38		
Service Type:	Inspection	Technician:	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:

Action Taken: Site tested ok. Solar OK. Battery OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	16-Mar-12
Time:	12:04	Service Type:	Installation
Technician:	PB/MZ	Status:	OK

Configuration Changes	
Part #	Location
TX J 32080	4380
BY R 0909	4380
TX J 18599	9000
PT D 2270870	9000
BY R 1118	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 0909	13.00	

Problem:

Action Taken: Installed 3306 txx, antenna, solar at new DWR site upstream. Site now feeds SDI-12 from DWR Sutron bubbler. Tuned antenna. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	30-Oct-12
Service Type:	End of Season	Technician:	ZC/SB
		Time:	10:27
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1209	4380
BY R 0909	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 3208		41	2	0.00

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:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1209	13.30	

Problem:

Action Taken: Changed battery and dessicant. Texted Txr. Txr Ok. Solar OK - cloudy at measurement.

bubler measurement: 8' - 7 1/2"

bench mark measurement: 1' - 5 1/2" (concrete carriage pad at downstream, stream side corner.)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eldorado Spring	Date:	10-Sep-12
Time:	11:35	Service Type:	Inspection
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:

Action Taken: Battery OK. Solar OK. Txr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Boulder Falls** Date: **12-Mar-12** Time: **14:27**
Service Type: **Start Up** Technician: **ZC** Status: **OK**

Configuration Changes

Part #	Location
TX J 12094	4390
BY R 1205	4390

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
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Tx Maintenance

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

Switches: **4390-B00**
Jumpers: **L:JB8,1-2,JB9,10,2-3;C:JB**
Eprom: **57EE**
Tx Freq: **169.500**
Rx Freq: **171.875**
Fwd Power: **4.8**
Rev Power: **0.1**
SWR: **1.34**

Test Transmission

Port	Time	Count	Measure	Predicted
4393	14:39	815	4.01 psi	810
4393	14:40	237	1.15 psi	230

Battery Tests

Battery #	V Quiescent	V Load
BY R 1205	13.38	

Problem:

Action Taken: Installed TXR, battery and dessicant. RF ok. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	26-Jun-12
Time:	10:54	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	11:01	1064	5.30 psi	1070	
4393	11:02	403	2.00 psi	402	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	06-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:18
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4393	13:24	418	2.08 psi	420	
4393	13:25	1015	5.04 psi	1019	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Falls	Date:	23-Oct-12
Service Type:	End of Season	Technician:	PB/SB
			Time: 10:44
			Status: OK

Configuration Changes	
Part #	Location
TX J 12094	9000
BY R 1205	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4390-B00
Jumpers:	L:JB8,1-2,JB9,10,2-3;C:JB
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4393	10:49	1000	4.92 psi	993	
4393	10:50	455	2.20 psi	444	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. RF OK. Removed txr, battery.

TOR (cap off) to to top of standpipe (stream side edge): 14.97 ft.

Angle of riser: hyp 10" opp 6.25"
 Cap off to stop bolt: 84.5"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Orodell	Date:	23-Oct-12
Time:	10:12		
Service Type:	End of Season	Technician:	PB/SB
Status:	OK		

Configuration Changes	
Part #	Location
BY R 1038	4400
BY R 1228	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2807	4.97	330	2.1	

Settings and Performance	
Switches:	4400-00E
Jumpers:	C:J6,2-3 L:J8,1-2;J9,10,2-
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4403	10:22	1026	5.03 psi	1022	
4403	10:23	361	1.70 psi	348	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1038	13.06	

Problem:

Action Taken: Changed battery, dessicant. PT tested within acceptable range.

State of Colorado reading 1.63 feet.

Stop bolt to TOR (cap off): 87.5"
 TOR (cap off): 5.5'
 Ref: 5'4.5"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Orodell	Date:	06-Sep-12
Time:	13:38	Service Type:	Inspection
Technician:	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	
4403	13:42	1030	5.10 psi	1036	
4403	13:43	433	2.14 psi	438	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Orodell	Date: 26-Jun-12	Time: 10:34	
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	10:40	950	4.73 psi	961	
4403	10:41	419	2.09 psi	426	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Orodell	Date: 14-Mar-12	Time: 12:11	
Service Type: Start Up	Technician: ZC/DP	Status: OK	

Configuration Changes	
Part #	Location
TX J 2807	4400
BY R 1228	4400

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4403	0.011	-0.0503	0.0123

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4400-00E
Jumpers:	C:J6,2-3 L:J8,1-2;J9,10,2-
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4403	12:14	1027	5.05	psi	1055
4403	12:17	1849	9.13	psi	1904
4403	12:18	1434	7.07	psi	1475
4403	12:18	1061	5.22	psi	1091
4403	12:19	644	3.16	psi	663
4403	12:19	240	1.17	psi	249
4403	12:20	1032	5.06	psi	1028
4403	12:21	423	2.09	psi	428

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, battery and Dessicant. RF ok. Installed signal conditioning board. PT Calibrated. PT ok. At 12.24 PT raw read a count of 111 indicating 1.81 feet. CDWR reported 1.77 feet.

{Auto Entry: Calibrated sensor 4403 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0503), Std Error(0.0123), Calibration Date(3/14/2012 12:19:53 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fourmile** Date: **13-Mar-12** Time: **13:34**
 Service Type: **Inspection** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1206	4410
BY R 0903	9000
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: **4410-00E**
 Jumpers: **L:JB8,1-2;JB9,10,2-3,JB7**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **4.5**
 Rev Power: **0.1**
 SWR: **1.35**

Test Transmission

Port	Time	Count	Measure	Predicted
4413	13:52	1021	5.13 psi	1039
4413	14:05	1844	9.13 psi	1849
4413	14:06	1034	5.14 psi	1040
4413	14:07	427	2.13 psi	431

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Installed TXR, battery and dessicant. RF ok. Adjusted PT zero. PT ok. Cleaned out riser.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fourmile** Date: **26-Jun-12** Time: **11:37**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4413	0.011	-0.0502	0.0185

Tx Maintenance

Part # Ref V Freq Err Deviation 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	11:31	1861	9.16 psi	1854
4413	11:32	1386	6.82 psi	1380
4413	11:33	1011	4.96 psi	1005
4413	11:34	589	2.88 psi	584
4413	11:35	220	1.07 psi	217
4413	11:36	5	0.00 psi	1
4413	11:37	1019	4.98 psi	1012
4413	11:38	441	2.14 psi	437

Battery Tests

Battery # V Quiescent V Load

Problem: Sensor became erratic around 6/23/12

Action Taken: Attempted 2-pt. test, failed. Replaced signal conditioning, manually adjusted 0-5V output on DVM. Txr did not read 0-5V. Replaced txr. Calibrated. PT tested within acceptable range. Hydraulic contact remains extremely slow. Screen cap left in place.

{Auto Entry: Calibrated sensor 4413 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.0502), Std Error(0.0185), Calibration Date(6/27/2012 11:37:07 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fourmile	Date:	06-Sep-12
Service Type:	Inspection	Technician:	ZC
		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	
4413	12:43	498	2.38 psi	486	
4413	12:44	1086	5.27 psi	1071	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT intake buried beneath heavy sediment. Intake dug up and flushed.

Site Notes:

Follow-Up: Monitor PT for drift. Dig up and flush intake

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Fourmile** Date: **23-Oct-12** Time: **11:51**
 Service Type: **End of Season** Technician: **PB/SB** Status: **OK**

Configuration Changes

Part #	Location
TX J 2182	9000
BY R 1206	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4413	0.011	-0.591	0.2078

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4410-00E**
 Jumpers: **L:JB8,1-2;JB9,10,2-3,JB7**
 Eprom: **585B**
 Tx Freq: **169.500**
 Rx Freq: **171.875**
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4413	11:59	1919	9.17 psi	1860
4413	12:00	1450	6.86 psi	1393
4413	12:01	1060	4.98 psi	1011
4413	12:02	662	3.00 psi	611
4413	12:03	259	1.01 psi	209
4413	12:05	53	0.00 psi	4

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. PT drifting. Recommend replacement. Raised PT for winter. RF OK. Removed txr, battery.

Stop bolt to TOR (cap off): 40.75"

TOR: 2' 5.5"

Bottom of pipe: 3' 3.25"

Pipe height: 6' 5.5"

{Auto Entry: Calibrated sensor 4413 by linear regression. Modified calibration data. New calibration [Slope(0.0113), Calibration Offset(-0.5910), Std Error(0.2078), Calibration Date(10/23/2012 12:05:10 PM)]}.

Site Notes:

Follow-Up: Replace PT.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	06-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:50
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4423	13:54	1030	5.01 psi	1034	
4423	13:55	440	2.14 psi	442	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name: Bridge	Date: 14-Mar-12	Time: 11:26	
Service Type: Start Up	Technician: ZC/DP	Status: OK	

Configuration Changes	
Part #	Location
TX J 2176	4420
BY R 2134	4420

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4423	0.011	-0.0162	0.0042

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4423	11:43	1915	9.29	psi	1862
4423	11:44	1447	7.02	psi	1408
4423	11:45	1048	5.08	psi	1019
4423	11:46	630	3.05	psi	612
4423	11:47	218	1.05	psi	211
4423	11:48	1061	5.16	psi	1064
4423	11:49	421	2.04	psi	422

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

{Auto Entry: Calibrated sensor 4423 by linear regression. Modified calibration data. New calibration [Slope(0.0112), Calibration Offset(-0.0162), Std Error(0.0042), Calibration Date(3/14/2012 11:47:47 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	23-Oct-12
		Time:	9:44
Service Type:	End of Season	Technician:	PB/SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 2176	9000
BY R 2134	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4423	9:50	1139	5.62 psi	1159	
4423	9:51	430	2.11 psi	435	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. RF OK. Removed txr, battery.

Stop bolt to TOR (cap off): 56 1/4"
Ref: 2' 3 3/4"
TOR (cap off): 2' 5 7/8"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Bridge	Date:	26-Jun-12
		Time:	10:22
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	
4423	10:26	1061	5.08 psi	1047	
4423	10:27	435	2.13 psi	440	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	26-Jun-12
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	
4433	12:46	1005	5.04 psi	1012	
4433	12:47	429	2.13 psi	429	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	23-Oct-12
Service Type:	End of Season	Technician:	PB/SB
			Time: 12:36
			Status: OK

Configuration Changes	
Part #	Location
TX J 2687	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:	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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4433	12:42	904	4.48 psi	901	
4433	12:43	386	1.90 psi	383	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. RF OK. Removed txr, battery.

TOR (cap off) to TOSP (stream side edge): 150.25" = 12.52 ft.

Stop bolt to TOR (cap off): 39.75"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: Rowena Date: 15-Mar-12 Time: 12:26
 Service Type: Start Up Technician: ZC Status: OK

Configuration Changes

Part #	Location
TX J 2687	4430
BY R 0310	4430

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4433	0.012	-0.0151	0.0039

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
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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: 5.0
 Rev Power: 0.1
 SWR: 1.33

Test Transmission

Port	Time	Count	Measure	Predicted
4433	12:49	1252	5.19 psi	1234
4433	12:49	524	2.17 psi	507
4433	12:54	1805	9.02 psi	2154
4433	12:54	1421	7.10 psi	1692
4433	12:55	1014	5.07 psi	1204
4433	12:55	620	3.10 psi	729
4433	12:56	226	1.12 psi	255
4433	12:58	1006	5.04 psi	1012
4433	12:59	422	2.11 psi	425

Battery Tests

Battery #	V Quiescent	V Load
BY R 0310	13.00	

Problem:

Action Taken: Installed TXR, battery and dessicant. RF ok. PT zero and span adjusted, PT calibrated. PT Riser flushed and cleared of debris. PT ok.

{Auto Entry: Calibrated sensor 4433 by linear regression. Modified calibration data. New calibration [Slope(0.0115), Calibration Offset(-0.0151), Std Error(0.0039), Calibration Date(3/15/2012 12:56:35 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Rowena	Date:	06-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:19
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4433	11:30	1087	5.46 psi	1096	
4433	11:31	442	2.16 psi	434	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT intake above water level at inspection.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: James Creek Date: 26-Jun-12 Time: 13:07
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
4443	13:09	1200	5.16 psi	1215
4443	13:10	468	2.03 psi	478

Battery Tests

Battery # V Quiescent V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	27-Mar-12
Time:	9:47	Status:	OK
Service Type:	Inspection	Technician:	ZC/PB

Configuration Changes	
Part #	Location
TX J 2689	4440
BY R 0913	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:	7.0
Rev Power:	0.8
SWR:	1.97

Test Transmission					
Port	Time	Count	Measure	Predicted	
4443	9:53	1210	5.21 psi	1227	
4443	9:54	456	2.01 psi	474	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0913	13.00	

Problem:

Action Taken: Installed TXR, battery and dessicant. RF ok. PT tested within acceptable range. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	23-Oct-12
Time:	13:28	Service Type:	End of Season
Technician:	PB/SB	Status:	OK

Configuration Changes	
Part #	Location
TX J 2689	9000
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:	
Jumpers:	
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	
4443	13:32	1135	4.80 psi	1132	
4443	13:33	521	2.18 psi	515	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. RF OK. Removed txr, battery.

Stop bolt to TOR (cap off): 52.5"

TOR (cap off): 9' 0.25"

TO SP (cap off stream side edge): 0.75"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	James Creek	Date:	06-Sep-12
Service Type:	Inspection	Technician:	ZC
		Time:	10:48
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4443	10:53	1135	4.82 psi	1136	
4443	10:54	500	2.13 psi	502	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. PT intake above water level at inspection.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lower Lefthand	Date:	26-Jun-12
		Time:	13:28
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	
4453	13:29	1149	5.65 psi	1147	
4453	13:30	383	1.84 psi	364	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lower Lefthand	Date:	23-Oct-12
		Time:	13:56
Service Type:	End of Season	Technician:	PB/SB
		Status:	OK

Configuration Changes	
Part #	Location
TX J 21422	9000
BY R 1235	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4453	14:00	1064	5.21 psi	1057	
4453	14:01	497	2.43 psi	485	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. RF OK. Removed txr, battery.

Stop bolt to TOR: 92.125"

TOR to Ref (concrete just outside door): -30.875"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lower Lefthand	Date:	15-Mar-12
Time:	14:49	Service Type:	Start Up
Technician:	ZC	Status:	OK

Configuration Changes	
Part #	Location
TX J 21422	4450
BY R 1235	4450

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4453	15:05	1055	5.16 psi	1046	
4453	15:06	431	2.09 psi	416	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1235	13.30	

Problem:

Action Taken: Installed TXR, battery and dessicant. 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:	06-Sep-12
Time:	10:26		
Service Type:	Inspection	Technician:	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	
4453	10:32	1043	5.10 psi	1035	
4453	10:33	436	2.12 psi	421	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

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-Sep-12
		Time:	11:47
Service Type:	Inspection	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	
4463	11:51	1213	5.12 psi	1219	
4463	11:52	494	2.08 psi	494	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

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:	13-Jul-12
		Time:	12:23
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	
4463	12:38	1218	5.16 psi	1228	
4463	12:39	538	2.28 psi	543	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

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:	29-Oct-12
		Time:	10:08
Service Type:	End of Season	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 2174	9000
BY R 1236	9000

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:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission					
Port	Time	Count	Measure	Predicted	
4463	10:13	1247	5.23 psi	1245	
4463	10:14	500	1.97 psi	470	
4463	10:15	400	1.68 psi	399	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. RF OK. Removed txr, battery.

Stop bolt to TOR: 101"
Angle of Riser: 12 deg.

TOR:4' 0.75"
Highest point on boulder (pen, photo): 4' 9.25"

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-12
		Time:	14:09
Service Type:	Start Up	Technician:	ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 2174	4460
BY R 1236	4460

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4460-B00
Jumpers:	C:J6,2-3,J3,4,5 off;L:J8,1-
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	171.875
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4463	14:16	1190	5.04 psi	1199	
4463	14:17	486	2.04 psi	485	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1236	13.12	

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	21-Mar-12
Service Type:	Start Up	Technician:	ZC
			Time: 14:31
			Status: PT Down

Configuration Changes	
Part #	Location
BY R 1208	4470

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:	34.0
Rev Power:	1.0
SWR:	1.41

Test Transmission				
Port	Time	Count	Measure	Predicted
4470	15:16	1		0
4470	15:16	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1208	13.20	

Problem:

Action Taken: Replaced battery and desiccant. PT needs replcaed. Not responding reading negative 73 mv. Replaecd J3 on transmitter. TB OK. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	09-May-12
Service Type:	OneRain Service Ca	Technician:	PB
		Time:	11:23
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4473	0.011	-0.1035	0.0408

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4473	11:32	1912	9.46 psi	1924	
4473	11:33	1473	7.25 psi	1476	
4473	11:34	1039	5.10 psi	1041	
4473	11:35	643	3.14 psi	644	
4473	11:36	242	1.16 psi	244	
4473	11:37	7	0.00 psi	10	
4473	11:38	1049	5.14 psi	1049	
4473	11:39	450	2.19 psi	451	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT not reporting

Action Taken: Pulled PT, checked hydraulic contact, OK. Adjusted zero point. Recalibrated.

{Auto Entry: Calibrated sensor 4473 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.1035), Std Error(0.0408), Calibration Date(5/9/2012 11:37:38 AM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Little Narrows** Date: **13-Jul-12** Time: **11:48**
 Service Type: **Inspection** Technician: **PB** Status: **OK**

Configuration Changes

Part # Location

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4473	0.011	-0.0676	0.0243

Tx Maintenance

Part # Ref V Freq Err Deviation ROM Batt

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
4473	11:56	1882	9.03 psi	1835
4473	11:57	1463	7.01 psi	1427
4473	11:58	1048	5.01 psi	1022
4473	11:59	639	3.04 psi	625
4473	12:00	225	1.05 psi	222
4473	12:01	6	0.00 psi	9
4473	12:02	1062	5.01 psi	1047
4473	12:03	443	2.08 psi	438

Battery Tests

Battery # V Quiescent V Load

Problem:

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

{Auto Entry: Calibrated sensor 4473 by linear regression. Modified calibration data. New calibration [Slope(0.0111), Calibration Offset(-0.0676), Std Error(0.0243), Calibration Date(7/13/2012 12:01:27 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	17-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
			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	
4470	11:35	155			0
4470	11:36	156			0
4473	11:34	1094	5.18 psi		1082
4473	11:36	461	2.14 psi		450

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	29-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 10:39
			Status: OK

Configuration Changes	
Part #	Location
BY R 1027	4470
BY R 1208	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016	4.99	57	2.5	

Settings and Performance	
Switches:	4470-B00
Jumpers:	
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	
4470	10:57	2			0
4470	11:00	3			0
4470	11:01	4			0
4473	10:50	1212	5.83 psi		1218
4473	10:51	424	2.01 psi		423

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1027	13.17	

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. Replaced battery, dessicant. Tested txr, OK. TB OK.

Stop bolt to TOR: 102.75"
 Angle of Riser: 38 deg.

TOR (cap off): 4'- 5 3/4"
 Top of culvert: 3'- 9 1/8"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Little Narrows	Date:	23-Apr-12
Service Type:	Service Call	Technician:	PB/ZC
			Time: 14:12
			Status: OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4473	0.011	-0.1083	0.0393

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4473	14:32	1870	9.22 psi	1861	
4473	14:33	1492	7.35 psi	1482	
4473	14:34	1055	5.17 psi	1042	
4473	14:35	658	3.21 psi	645	
4473	14:36	243	1.15 psi	228	
4473	14:37	7	0.00 psi	-4	
4473	14:38	1086	5.33 psi	1089	
4473	14:39	445	2.15 psi	445	

Battery Tests		
Battery #	V Quiescent	V Load

Problem: PT dead.

Action Taken: Replaced PT. Calibrated. TB OK, Solar OK, txr/PA OK.

{Auto Entry: Calibrated sensor 4473 by linear regression. Modified calibration data. New calibration [Slope(0.0114), Calibration Offset(-0.1083), Std Error(0.0393), Calibration Date(4/23/2012 2:37:48 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	19-Mar-12
Time:	11:51	Service Type:	Start Up
Technician:	ZC	Status:	OK

Configuration Changes	
Part #	Location
BY R 1216	4490
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:	4490-00E
Jumpers:	
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
4490	12:10	1		0
4490	12:11	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1216	13.00	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, TB ok, Solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	02-Aug-12
Service Type:	Inspection	Technician:	ZC
		Time:	11:10
		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
4490	11:12	109		0
4490	11:13	110		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok

Site Notes:

Follow-Up: Test with watt meter/AEA. Replace radio

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Apple Valley	Date:	29-Oct-12
Time:	13:13	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
TX J 8766	4.98	152	2	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4490	13:37	1		0
4490	13:37	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, dessicant. Replaced radio. Tested txr on IFR, OK. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Pinewood Spring	Date:	02-Aug-12
Time:	10:33		
Service Type:	Inspection	Technician:	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
4510	10:39	162		0
4510	10:39	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:	Pinewood Spring	Date:	19-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	10:54
		Status:	OK

Configuration Changes	
Part #	Location
SP J 12949	4510
BY R 1033	4510
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:	4510
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	25.0
Rev Power:	2.0
SWR:	1.79

Test Transmission				
Port	Time	Count	Measure	Predicted
4510	11:15	1		0
4510	11:15	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1033	13.00	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, TB ok, Solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Pinewood Spring	Date:	09-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	10:02
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0838	4510
BY R 1033	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1016	4.98	120	2	

Settings and Performance	
Switches:	4510
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
4510	10:23	1		0
4510	10:23	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0838	13.00	

Problem:

Action Taken: Changed battery, dessicant. Tested txr on IFR. Txr OK. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eagle Ridge	Date:	02-Aug-12
Service Type:	Inspection	Technician:	ZC
		Time:	14:19
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	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	14:25	99		0
4520	14:26	100		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Eagle Ridge** Date: **30-Oct-12** Time: **10:11**
 Service Type: **End of Season** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1217	4520
BY R 1127	4520
BY R 1240	9000
BY R 1232	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
RP N 206		57	2.5	

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	10:59	150		0
4520	11:00	151		0
4764	10:57	7		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1217	13.11	
BY R 1127	13.20	

Problem:

Action Taken: Replaced batteries, dessicant. Tested tx side on IFR, OK. Tested sensitivity, OK, -92 dB. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eagle Ridge	Date:	19-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	14:50
		Status:	OK

Configuration Changes	
<i>Part #</i>	<i>Location</i>
BY R 1240	4520
BY R 1232	4520
BY R 1030	9000
BY R 0805	9000

Transducer Calibration			
<i>Sensor ID</i>	<i>Slope</i>	<i>Calib Offset</i>	<i>Std Error</i>

Tx Maintenance				
<i>Part #</i>	<i>Ref V</i>	<i>Freq Err</i>	<i>Deviation</i>	<i>ROM Batt</i>

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

Test Transmission				
<i>Port</i>	<i>Time</i>	<i>Count</i>	<i>Measure</i>	<i>Predicted</i>

Battery Tests		
<i>Battery #</i>	<i>V Quiescent</i>	<i>V Load</i>
BY R 1240	13.00	
BY R 1232	13.00	

Problem:

Action Taken: Replaced batteries and dessicant. RF ok. TB ok, Solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Eagle Ridge	Date:	17-Sep-12
Service Type:	Inspection	Technician:	ZC/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
4520	10:12	117		0
4520	10:12	118		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB ok. Rptr ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Winiger Ridge	Date:	16-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	12:33
		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
4530	12:35	224		0
4530	12:36	225		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:	12-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	11:01
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0413	4530
BY R 1135	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	4530-00E
Jumpers:	C:J5 off; L:J7,11 on
Eprom:	R 1.8 57FE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	15.0
Rev Power:	0.1
SWR:	1.18

Test Transmission				
Port	Time	Count	Measure	Predicted
4530	11:21	1		0
4530	11:22	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0413	13.24	

Problem:

Action Taken: Replaced battery and dessicant. TB ok, RF ok, Solar ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Winiger Ridge	Date:	15-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	12:48
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0416	4530
BY R 0413	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 9760	4.98	170	2.2	

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:	22.0
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4530	12:54	286		0
4530	13:10	1		0
4530	13:10	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0416	13.40	

Problem:

Action Taken: Replaced 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: **Louisville Rptr** Date: **01-Mar-12** Time: **10:19**
 Service Type: **OneRain Service Ca** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1221	4540
BY R 0637	4540
BY K 0004	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 1221	13.02	
BY R 0637	13.05	

Problem: Battery low.

Action Taken: Replaced "K" battery with 2 "R" batteries and replaced AC charger.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville Rptr	Date:	31-Oct-12
Service Type:	End of Season	Technician:	PB
		Time:	11:48
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1206	4540
BY R 1028	4540
BY R 1221	9000
BY R 0637	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
RP N 207		238	2.5	0.00

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	4540 C
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

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1206	13.60	
BY R 1028	13.18	

Problem:

Action Taken: Replaced batteries, dessicant. Tested rx side, OK, -95 dB. Tested tx side, OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville Rptr	Date:	19-Jan-12
Time:	13:17	Service Type:	OneRain Service Ca
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:
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 4870-4875 to pass list.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Louisville Rptr	Date:	10-Sep-12
Time:	13:20	Service Type:	Inspection
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:

Action Taken: Rptr Ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Jail	Date:	22-Oct-12
Time:	13:36	Service Type:	End of Season
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
TB J 18549	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:	4550-00E
Jumpers:	
Eprom:	R1.8 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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Removed battery, TB, txr. Txr OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Boulder Jail	Date:	16-Aug-12
Time:	10:03	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
4550	10:04	131		0
4550	10:04	132		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:	Boulder Jail	Date:	16-Feb-12
Service Type:	Start Up	Technician:	PB
		Time:	11:06
		Status:	OK

Configuration Changes	
Part #	Location
TB J 18549	4550
BY R 0611	4550
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:	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
4550	11:20	1		0
4550	11:20	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0611	13.12	

Problem:

Action Taken: Installed battery, txr, dessicant, TB.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lyons Diversion	Date:	13-Jul-12
Time:	11:21	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	11:27	1300	5.51 psi	1299	
4563	11:28	530	2.23 psi	526	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lyons Diversion	Date:	29-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 12:29
			Status: OK

Configuration Changes	
Part #	Location
BY R 1032	4560
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:	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	12:37	1192	5.01 psi	1181	
4563	12:38	492	2.04 psi	483	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1032	13.06	

Problem:

Action Taken: PT tested within acceptable range. Raised PT for winter. Replaced battery, dessicant. Tested txr, OK.

Stop bolt to TOR: 101"

77" from stop bolt to benchmark (concrete wing wall adjacent, NW corner, to stilling well house.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lyons Diversion	Date:	19-Mar-12
Service Type:	Start Up	Technician:	ZC
		Time:	12:47
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0813	4560
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:	4560-E00
Jumpers:	JB3,4,5 off
Eprom:	57EE
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4563	13:04	966	4.06 psi	956	
4563	13:05	505	2.11 psi	497	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0813	13.00	

Problem:

Action Taken: Replaced battery and dessicant. RF ok. PT tested with acceptable ranges. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Lyons Diversion	Date:	17-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		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	
4563	10:45	1263	5.31 psi	1251	
4563	10:46	513	2.12 psi	502	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	St. Antons	Date:	18-Oct-12
Time:	14:07	Status:	OK
Service Type:	End of Season	Technician:	PB

Configuration Changes	
Part #	Location
BY R 1040	4570
BY R 1217	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 2684	4.98	173	2.1	

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

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1040	13.13	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK. TB cleaned, leveled, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **St. Antons** Date: **14-Mar-12** Time: **13:24**
Service Type: **Inspection** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1217	4570
BY R 1107	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: **5.0**
Rev Power: **0.0**
SWR: **1.09**

Test Transmission

Port	Time	Count	Measure	Predicted
4570	13:32	1		0
4570	13:33	2		0

Battery Tests

Battery #	V Quiescent	V Load
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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:	16-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	13:07
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4570	13:12	295		0
4570	13:12	296		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:	15-Oct-12
Service Type:	End of Season	Technician:	SB
			Time: 14:10
			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:	4580-
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.6
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4583	14:41	1180	2.90 psi	1198	
4583	14:44	545	1.32 psi	558	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Excessive corrosion on negative battery terminal. Cleaned with wire brush. Did not have replacement "J" type battery on hand. Follow up with replacement. Also need to replace double battery terminals.

PT Tested OK. Installed low flow program.

Site Notes:

Follow-Up: Replace J battery and bring 2 double battery terminal connectors.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	06-Dec-12
Service Type:	Other	Technician:	PB/ZC
		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

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Surveyed stage gauge.

SB: 9'-8.25"
BM (center of manhole on diversion structure): 4.25"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	26-Jun-12
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	
4583	10:09	1937	4.86 psi	1942	
4583	10:10	830	2.07 psi	832	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	14-Sep-12
Service Type:	Inspection	Technician:	PB
		Time:	13:56
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error
4583	0.006	-0.1362	0.0196

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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	14:07	1578	4.07	psi	1629
4583	14:08	1258	3.03	psi	1215
4583	14:09	916	2.18	psi	877
4583	14:10	601	1.42	psi	574
4583	14:11	346	0.79	psi	325
4583	14:12	1510	3.65	psi	1462
4583	14:13	1047	2.52	psi	1042
4583	14:14	451	1.06	psi	451

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested outside acceptable range. Recalibrated.

{Auto Entry: Calibrated sensor 4583 by linear regression. Modified calibration data. New calibration [Slope(0.0057), Calibration Offset(-0.1362), Std Error(0.0196), Calibration Date(9/14/2012 2:12:42 PM)]}.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Broadway	Date:	16-Feb-12
Service Type:	Inspection	Technician:	PB
		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	
4583	11:55	2020	5.04 psi	2015	
4583	11:56	837	2.07 psi	832	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Changed battery, dessicant. PT tested within acceptable range.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	27-Aug-12
Service Type:	Installation	Technician:	ZC
		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	
4593	10:26	1643	7.09 psi	1632	
4593	10:27	1221	5.26 psi	1211	
4593	10:28	933	4.03 psi	926	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: calibrated PT in shop-values uploaded to datalogger. Existing ALERT calibration ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	28-Feb-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	10:16
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1122	4590
BY J 0901	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4593	10:35	1173	5.09 psi	1086	
4593	10:36	469	2.04 psi	473	

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1122	13.20	

Problem:

Action Taken: Replaced Battery and Dessicant. Installed High Flow program. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Green Ditch** Date: **15-Oct-12** Time: **15:30**
 Service Type: **End of Season** Technician: **SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1003	4590
BY R 1105	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 Tx Freq:
 Rx Freq:
 Fwd Power: **4.0**
 Rev Power: **0.1**
 SWR: **1.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4593	15:42	1156	4.94 psi	1138
4593	15:43	604	2.57 psi	591

Battery Tests

Battery #	V Quiescent	V Load
BY R 1003	13.20	

Problem:

Action Taken: PT OK. Changed program to low flow. RF OK. Replaced desiccant.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	06-Dec-12
		Time:	14:44
Service Type:	Other	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:

Action Taken: Surveyed stage gauge.

SB to TOR: 48.5"
TOR: 7'-7.125"
BM (corner of diversion structure S of site): 1'-10.5"

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Green Ditch** Date: **19-Jan-12** Time: **12:17**
 Service Type: **OneRain Service Ca** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
PT V 373503	4590
DL CS 14302	4590
CE C054	4590
PT D 1771905	9000
DL CS 34323	9000
CE B0002	9000
BY J 0901	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error
4593	0.01	0.0279	0.0072

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
4593	12:22	1876	8.14 psi	1696
4593	12:23	1643	7.12 psi	1493
4593	12:24	1196	5.18 psi	1104
4593	12:25	698	3.03 psi	672
4593	12:26	262	1.15 psi	295
4593	12:27	1252	5.43 psi	1250
4593	12:28	635	2.76 psi	633

Battery Tests

Battery #	V Quiescent	V Load
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Problem:

Action Taken: Installed new datalogger, CE, and PT. Staff guage reading .9 @ 13:36 pm.

{Auto Entry: Calibrated sensor 4593 by linear regression. Modified calibration data. New calibration [Slope(0.0100), Calibration Offset(0.0279), Std Error(0.0072), Calibration Date(1/19/2012 12:26:56 PM)]}.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Green Ditch	Date:	25-May-12
Time:	11:50	Service Type:	Inspection
Technician:	PB/SB	Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission					
Port	Time	Count	Measure	Predicted	
4593	12:00	895	3.88 psi	892	
4593	12:01	445	1.93 psi	443	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Green Ditch**Date: **31-Aug-12**Time: **11:06**Service Type: **Installation**Technician: **ZC/MZ**Status: **OK****Configuration Changes**

Part #	Location
SP AM D869	4590
PT D 3642224	4590
DL CS 15626	4590
BY R 1105	4590
AR CS 3163	4590
SP F 1745671	9000
PT V 373503	9000
DL CS 14302	9000
CE C054	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 1105	13.57	

Problem: Re-installation of site with new equipment. Previous equipment was stolen.**Action Taken:****Site Notes:****Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Hills Mills	Date:	13-Jul-12
Service Type:	Inspection	Technician:	PB
		Time:	13:40
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. @ 13:50 ID 4711 raw = 72 => 28.24% RH, ID 4712 raw = 148 => 69 deg.F, psychrometer readings Td = 69 deg.F, Tw = 50 deg.F implying RH = 31 % and dp = 36 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:	Hills Mills	Date:	12-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
			Time: 14:52
			Status: OK

Configuration Changes	
Part #	Location
BY R 1033	4710

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 207	5.10	0.15	4	

Settings and Performance	
Switches:	4710
Jumpers:	
Eprom:	Ver 3.4
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	
Rev Power:	
SWR:	

Test Transmission				
Port	Time	Count	Measure	Predicted
4710	15:11	730		0
4710	15:12	731		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1033	13.28	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK, installed at site. Txr OK. TB OK. Solar OK.

@ 15:05 ID 4711 raw = 168 => 65.88% RH, ID 4712 raw = 127 => 47 deg.F, psychrometer readings Td = 50 deg.F, Tw = 44 deg.F implying RH = 67 % and dp = 40 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:	Hills Mills	Date:	17-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		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
4710	12:49	692		0
4710	12:50	693		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 12:45 ID 4711 raw = 177 => 69.41% RH, ID 4712 raw = 126 => 46 deg.F, psychrometer readings Td = 47 deg.F, Tw = 42 deg.F implying RH = 71 % and dp = 38 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:	18-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 12:03
			Status: OK

Configuration Changes	
Part #	Location
BY R 1212	4730
BY R 0946	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 212	5.09	193	2	

Settings and Performance	
Switches:	4730
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 1212	13.18	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK.

@ 13:33 ID 4731 raw = 74 => 29.02% RH, ID 4732 raw = 128 => 48 deg.F, psychrometer readings Td = 50 deg.F, Tw = 38 deg.F implying RH = 33% and dp = 22 deg.F. TB OK. Wind sensors rotating freely. TB OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	17-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	13:26
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	13:33	1188		0
4730	13:34	1189		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 13:26 ID 4731 raw = 246=> 96.47% RH, ID 4732 raw = 126 => 46 deg.F, psychrometer readings Td = 46 deg.F, Tw = 46 deg.F implying RH = 100% and dp = 46 deg.F. TB OK. Wind sensors rotating freely. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Sugarloaf** Date: **26-Mar-12** Time: **12:41**
Service Type: **Inspection** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 0946	4730
BY R 0510	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches: **4730**
Jumpers:
Eprom:
Tx Freq: **169.500**
Rx Freq:
Fwd Power: **6.2**
Rev Power: **0.1**
SWR: **1.29**

Test Transmission

Port	Time	Count	Measure	Predicted
4730	12:56	952		0
4730	12:56	953		0

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and desiccant in txr, BP box. RF OK. Solar OK. TB OK. @ 13:09 ID 4731 raw = 32 => 12.55% RH, ID 4732 raw = 146 => 66 deg.F, psychrometer readings Td = 69 deg.F, Tw = 45 deg.F implying RH = 13% and dp = 17 deg.F.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Sugarloaf	Date:	13-Jul-12
Service Type:	Inspection	Technician:	PB
		Time:	14:50
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4730	14:59	1111		0
4730	14:59	1112		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 14:51 ID 4731 raw = 87=> 34.12% RH, ID 4732 raw = 159 => 79 deg.F, psychrometer readings Td = 44 deg.F, Tw = 36 deg.F implying RH = 36% and dp = 50 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:	Louisville WTP	Date:	29-Mar-12
		Time:	13:33
Service Type:	Start Up	Technician:	PB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0349	4750
BY R 1006	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	v. 3.4R
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4750	13:44	1178		0
4750	13:44	1179		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0349	13.10	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. Wind OK. @ 13:35 ID 4751 raw = 40 => 15.69% RH, ID 4752 raw = 148 => 68.00 deg.F, psychrometer readings Td = 68 deg.F, Tw = 47 deg.F implying RH = 17% and dp = 21 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:	10-Sep-12
Time:	13:26	Service Type:	Inspection
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
4750	13:34	1290		0
4750	13:35	1291		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Wind OK. @ 13:27 ID 4751 raw = 26 => 10.2% RH, ID 4752 raw = 173 => 93.00 deg.F, psychrometer readings Td = 91 deg.F, Tw = 58 deg.F implying RH = 12% and dp = 32 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:	12-Jul-12
Service Type:	Inspection	Technician:	ZC
		Time:	13:04
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4750	13:12	1276		0
4750	13:13	1277		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Wind OK. @ 13:03 ID 4751 raw = 71 => 27.84% RH, ID 4752 raw = 166 => 86.00 deg.F, psychrometer readings Td = 87 deg.F, Tw = 64 deg.F implying RH = 30% and dp = 52 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:	31-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 12:18
			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
TX N 213	4.98	267	2.5	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4750	12:43	1348		0
4750	12:43	1349		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK.

Wind OK. @ 12:35 ID 4751 raw = 71 => 27.84% RH, ID 4752 raw = 145 => 65 deg.F, psychrometer readings Td = 68 deg.F, Tw = 51 deg.F implying RH = 32% and dp = 37 deg.F. TB OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Barker Dam via Betas** Date: **18-Oct-12** Time: **10:30**
 Service Type: **End of Season** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1242	4760
BY R 1103	4760
BY R 0417	9000
BY R 0403	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance

Switches:
 Jumpers:
 Eprom:
 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 1242	13.36	
BY R 1103	13.17	

Problem:

Action Taken: Replaced batteries, dessicant. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Barker Dam via Betas	Date:	26-Mar-12
		Time:	10:59
Service Type:	Inspection	Technician:	ZC/DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0417	4760
BY R 0403	4760

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	169.500
Rx Freq:	
Fwd Power:	4.3
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 batteries and desiccant in enclosure. RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Barker Dam via Betas	Date:	16-Aug-12
		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: RF OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	19-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 9:54
			Status: OK

Configuration Changes	
Part #	Location
BY R 1104	4770
BY R 1246	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 212	5.10	220	2.5	

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
4770	10:13	1328		0
4770	10:14	1329		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1104	13.20	

Problem:

Action Taken: Changed battery, dessicant. Tested radio on IFR, OK. TB cleaned, leveled, OK. Solar OK.

@ 10:56 ID 4771 raw = 81 => 31.76% RH, ID 4772 raw = 134 => 54 deg.F, psychrometer readings Td = 54 deg.F, Tw = 41 deg.F implying RH = 33% and dp = 25 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:	28-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	10:54
		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
4770	11:00	1307		0
4770	11:00	1308		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 10:56 ID 4771 raw = 176 => 69.02% RH, ID 4772 raw = 138 => 58 deg.F, psychrometer readings Td = 58 deg.F, Tw = 51 deg.F implying RH = 65% and dp = 46 deg.F. TB OK. Wind sensors rotating freely.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	27-Mar-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	10:21
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1246	4770
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:	
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
4770	10:33	1049		0
4770	10:34	1050		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1246	13.25	

Problem:

Action Taken: Replaced battery, dessicant. Tested txr, OK. @ 10:38 ID 4771 raw = 66 => 25.88% RH, ID 4772 raw = 131 => 51 deg.F, psychrometer readings Td = 56 deg.F, Tw = 40 deg.F implying RH = 25% and dp = 21 deg.F. TB OK. Wind sensors rotating freely. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	CalWood Ranch	Date:	17-Aug-12
Service Type:	Inspection	Technician:	PB
		Time:	11:35
		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
4770	11:43	1261		0
4770	11:43	1262		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: @ 11:38 ID 4771 raw = 119 => 46.67% RH, ID 4772 raw = 131 => 71 deg.F, psychrometer readings Td = 74 deg.F, Tw = 56 deg.F implying RH = 34% and dp = 46 deg.F. TB OK. Wind sensors rotating freely. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	29-Oct-12
Service Type:	End of Season	Technician:	PB/ZC
		Time:	11:45
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1215	4790
BY R 0634	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX N 156	4.99	315	2.5	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4790	12:08	1963		0
4790	12:09	1964		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and dessicant. Tested txr on IFR, OK. TB OK. Wind OK. @ 11:20 ID 4791 raw = 89 => 34.9% RH, ID 4792 raw = 141 => 61.00 deg. F. Psychrometer readings Td = 62 deg.F, Tw = 49 deg.F implying RH = 41% and dp = 38 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	13-Jul-12
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:
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. @ 10:41 ID 4791 raw = 80 => 31.37% RH, ID 4792 raw = 161 => 84.00 deg. F. Psychrometer readings Td = 82 deg.F, Tw = 62 deg.F implying RH = 33% and dp = 49 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	28-Sep-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	9:39
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4790	9:43	1938		0
4790	9:43	1939		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB OK. Wind OK. @ 9:36 ID 4791 raw = 144 => 56.47% RH, ID 4792 raw = 141 => 61.00 deg. F. Psychrometer readings Td = 62 deg.F, Tw = 52 deg.F implying RH = 54% and dp = 45 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Button Rock	Date:	09-Apr-12
		Time:	10:13
Service Type:		Technician:	Status:

Configuration Changes	
Part #	Location
BY R 0634	4790

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:	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 0634	13.10	

Problem:

Action Taken: Changed battery, dessicant. Tested txr, OK. Solar OK. TB OK. Wind OK. @ 10:25 ID 4791 raw = 78 => 30.59% RH, ID 4792 raw = 133 => 53.00 deg. F. Psychrometer readings Td = 55 deg.F, Tw = 43 deg.F implying RH = 38% and dp = 30 deg.F.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service LogSite Name: **Shanahan Ridge**Date: **23-Mar-12**Time: **13:28**Service Type: **Start Up**Technician: **ZC**Status: **OK****Configuration Changes**

Part #	Location
BY R 1225	4810
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: **4810-00E**
 Jumpers: **C: J5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.1**
 SWR: **1.24**

Test Transmission

Port	Time	Count	Measure	Predicted
4810	13:39	1		0
4810	13:39	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1225	13.00	

Problem:**Action Taken:** 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:	Shanahan Ridge	Date:	15-Aug-12
Service Type:	Inspection	Technician:	PB
		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
4810	10:19	169		0
4810	10:19	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 Log

Site Name: **Shanahan Ridge** Date: **30-Oct-12** Time: **13:27**
 Service Type: **End of Season** Technician: **ZC/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1009	4810
BY R 1225	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1356	5.00	160	4.2	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: **4.4**
 Rev Power:
 SWR:

Test Transmission

Port	Time	Count	Measure	Predicted
4810	13:40	2		0
4810	13:40	6		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1009	13.00	

Problem:

Action Taken: Replaced 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: **Dowdy Draw** Date: **30-Oct-12** Time: **12:00**
 Service Type: **End of Season** Technician: **ZC/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1024	4820

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1357	5.00	230	4	

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	12:10	1		0
4820	12:10	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1024	13.27	

Problem:

Action Taken: Replaced 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:	Dowdy Draw	Date:	15-Aug-12
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:	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	10:41	170		0
4820	10:42	171		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: **09-Mar-12** Time: **12:42**
 Service Type: **Start Up** Technician: **SB/ZC** Status: **OK**

Configuration Changes

Part #	Location
BY R 1001	4820
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: **4820-00E**
 Jumpers: **C: J5 off**
 Eprom: **R 1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.2**
 Rev Power: **0.1**
 SWR: **1.36**

Test Transmission

Port	Time	Count	Measure	Predicted
4820	12:52	1		0
4820	12:53	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1001	13.21	

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:	S. Boulder Cr.@ Sans	Date:	23-Mar-12
Time:	12:07		
Service Type:	Start Up	Technician:	ZC
Status:	OK		

Configuration Changes	
Part #	Location
BY R 1237	4830
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:	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:	4.7
Rev Power:	0.1
SWR:	1.34

Test Transmission					
Port	Time	Count	Measure		Predicted
4830	12:54	1			0
4830	12:54	2			0
4833	12:30	1132	5.01 psi		1125
4833	12:31	474	2.06 psi		466

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1237	13.10	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, solar ok, TB ok. PT tested within acceptable range. PT ok.

Site Notes:

Follow-Up: Riser draining slow. May need to be dug up and flushed

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	10-Sep-12
Time:	12:06		
Service Type:	Inspection	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	
4830	12:08	179		0	
4830	12:08	180		0	
4833	12:10	1147	5.11 psi	1148	
4833	12:11	467	2.06 psi	465	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: TB tested within acceptable range. Hydraulic contact 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:	31-Oct-12
Service Type:	End of Season	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	
4833	10:44	1113	4.96 psi	1114	
4833	10:45	434	1.94 psi	437	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK. Tested txr, OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	30-Oct-12
		Time:	12:28
Service Type:	End of Season	Technician:	ZC/SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0611	4830
BY R 1237	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1357	4.99	170	4	

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	12:56	1		0
4830	12:57	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0611	12.93	

Problem:

Action Taken: Replaced battery and dessicant. Tested Txr. Txr OK. TB ok. Solar OK. Raised PT for season. PT ok.

Bolt to T.O Riser: 13 3/4"
T.O Riser measurement: 6' - 5 7/8"
Benchmark measurement: 4' - 3/4" (conc. @ standpipe, stream side, next to PT conduit.)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	S. Boulder Cr.@ Sans	Date:	25-May-12
		Time:	13:04
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	
4830	13:07	81		0	
4830	13:08	82		0	
4833	13:05	1146	5.11 psi	1148	
4833	13:06	433	1.92 psi	433	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK. Hydraulic contact extremely slow. Dug out end of conduit, flushed, re-established contact.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SBC @ SB Canon Dite** Date: **23-Mar-12** Time: **10:55**
 Service Type: **Start Up** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1120	4840
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: **4840-00E**
 Jumpers: **C:J6,1-2,J3,5 off**
 Eprom: **R1.8 9CA1**
 Tx Freq: **169.500**
 Rx Freq:
 Fwd Power: **4.5**
 Rev Power: **0.8**
 SWR: **2.38**

Test Transmission

Port	Time	Count	Measure	Predicted
4840	11:36	1		0
4840	11:36	2		0
4843	11:15	1205	5.01 psi	1218
4843	11:16	491	2.08 psi	506

Battery Tests

Battery #	V Quiescent	V Load
BY R 1120	13.10	

Problem:

Action Taken: Replaced battery and dessicant. RF ok, solar ok, TB ok. Adjusted PT 0 point. PT ok.

Site Notes:**Follow-Up:**

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	31-Oct-12
		Time:	11:07
Service Type:	End of Season	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	
4843	11:11	1417	5.77 psi	1404	
4843	11:12	556	2.28 psi	556	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK. Tested txr, OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	25-May-12
		Time:	14:12
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	
4373	14:22	206		0	
4840	14:21	73		0	
4840	14:22	74		0	
4840	14:22	75		0	
4843	14:16	1252	5.15 psi	1252	
4843	14:17	499	2.04 psi	497	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	30-Oct-12
		Time:	14:08
Service Type:	End of Season	Technician:	ZC/SB
		Status:	OK

Configuration Changes	
Part #	Location
BY R 0324	4840

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1356	4.98	60	4.4	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4840	14:24	1		0
4840	14:26	2		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 0324	13.00	

Problem:

Action Taken: Replaced battery and dessicant. Tested Txr. Txr OK. TB ok. Solar OK. Raised PT for season. PT ok.

Stop to T.O Riser: 33 1/4"
 T.O Riser measurement: 8' - 5 1/2"
 Benchmark Measurement: 1' - 8 3/4" (NE corner of concrete walkway on upstream outlet structure)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ SB Canon Dite	Date:	10-Sep-12
		Time:	12:44
Service Type:	Inspection	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	
4843	12:45	1186	4.88 psi	1186	
4843	12:46	490	2.01 psi	491	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Porphyry Mtn	Date:	17-Aug-12
Time:	14:36		
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
4850	14:25	999		0
4850	14:26	1000		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: **19-Oct-12** Time: **13:21**
Service Type: **End of Season** Technician: **PB** Status: **OK**

Configuration Changes

Part #	Location
BY R 0412	4850
BY R 1249	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
4850	13:47	4		0
4850	13:47	5		0
4850	13:47	6		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 0412	13.07	

Problem:

Action Taken: Replaced Battery, dessicant. Replaced radio with IFR tested unit. TB ok. RF ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Porphyry Mtn	Date:	27-Mar-12
Service Type:	Inspection	Technician:	ZC/PB
		Time:	13:39
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1249	4850
BY R 0502	9000

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

Settings and Performance	
Switches:	
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 1249	13.00	

Problem:

Action Taken: Replaced battery and dessicant. Cleaned tipping bucket. RF ok, TB ok.

Site Notes:

Follow-Up: Replace 2 pin pheonix connector for power. Re-tin power leads.

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairview Peak	Date:	19-Oct-12
Service Type:	End of Season	Technician:	PB
			Time: 11:14
			Status: OK

Configuration Changes	
Part #	Location
BY R 1011	4860
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:	
Jumpers:	
Eprom:	
Tx Freq:	
Rx Freq:	
Fwd Power:	4.0
Rev Power:	0.1
SWR:	1.38

Test Transmission				
Port	Time	Count	Measure	Predicted
4860	12:16	6		0
4860	12:21	7		0
4860	12:22	9		0

Battery Tests		
Battery #	V Quiescent	V Load
BY R 1011	13.17	

Problem:

Action Taken: Replaced Battery, dessicant. Replaced radio with IFR tested unit. 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:	19-Oct-12
Time:	8:45	Service Type:	End of Season
Technician:	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:

Action Taken:

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Fairview Peak	Date:	27-Mar-12
Time:	11:42	Service Type:	Inspection
Technician:	ZC/PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1036	4860

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4860	12:15	71		0
4860	12:15	72		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and dessicant. Cleaned funnel. 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:	17-Aug-12
Time:	13:45	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: TB cleaned, OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ South Boulder	Date:	31-Oct-12
		Time:	11:30
Service Type:	End of Season	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	
4873	11:33	1523	5.85 psi	1518	
4873	11:34	459	1.76 psi	459	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. TB OK. Tested txr, OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ South Boulder	Date:	10-Sep-12
Time:	13:02		
Service Type:	Inspection	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	
4870	13:04	201			0
4870	13:05	202			0
4873	13:05	1327	5.07 psi		1316
4873	13:06	574	2.21 psi		575

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: PT tested within acceptable range. Hydraulic contact ok. TB ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **SBC @ South Boulder** Date: **30-Oct-12** Time: **14:52**
Service Type: **End of Season** Technician: **ZC/SB** Status: **OK**

Configuration Changes

Part #	Location
BY R 1122	4870
BY R 1233	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 3229		45	4	

Settings and Performance

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

Test Transmission

Port	Time	Count	Measure	Predicted
4870	15:04	1		0
4870	15:05	2		0

Battery Tests

Battery #	V Quiescent	V Load
BY R 1122	13.32	

Problem:

Action Taken: Replaced battery and dessicant. Tested Txr. Txr OK. TB ok. Solar OK. PT left in for winter season. PT ok.

Bolt to T.O Riser: 23"
T.O Riser measurement: 5' - 8 1/4"
Benchmark measurement: 0' - 11 1/4" (SE corner of concrete wall W of standpipe.)

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ South Boulder	Date:	23-Mar-12
		Time:	9:59
Service Type:	Start Up	Technician:	ZC/DP
		Status:	OK

Configuration Changes	
Part #	Location
BY R 1233	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:	4.5
Rev Power:	0.1
SWR:	1.35

Test Transmission					
Port	Time	Count	Measure	Predicted	
4870	10:33	44		0	
4870	10:34	45		0	
4873	10:19	1328	5.10 psi	1324	
4873	10:20	534	2.05 psi	533	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced battery and dessicant. RF ok, solar ok, TB ok. PT tested within acceptable range. PT ok.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	SBC @ South Boulder	Date:	25-May-12
		Time:	14:41
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	
4873	14:47	1113	4.29 psi	1115	
4873	14:48	510	1.96 psi	510	

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

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

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Whispering Pines	Date:	16-Oct-12
Service Type:	End of Season	Technician:	ZC
		Time:	10:30
		Status:	OK

Configuration Changes	
Part #	Location
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 1966	4.99	200	2.5	

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

Test Transmission				
Port	Time	Count	Measure	Predicted
4880	10:39	245		0
4880	10:28	1		0
4880	10:29	2		0

Battery Tests		
Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced 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:	Whispering Pines	Date:	27-Apr-12
		Time:	14:45
Service Type:	Installation	Technician:	PB/ZC
		Status:	OK

Configuration Changes	
Part #	Location
TX J 19664	4880
TB J 31187	4880
BY R 1111	4880

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt

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

Test Transmission				
Port	Time	Count	Measure	Predicted

Battery Tests		
Battery #	V Quiescent	V Load
TB J 31187	13.02	
BY R 1111	13.02	

Problem:

Action Taken: Installed standpipe, txr, TB, antenna. OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Whispering Pines	Date:	01-Aug-12
Time:	15:16	Service Type:	Inspection
Technician:	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:	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:	Gold Hill Repeater	Date:	18-Apr-12
		Time:	15:22
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:

Action Taken: Changed pass list to include IDs 4765, and 4900 - 4949.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	30-Oct-12
Time:	13:11	Service Type:	End of Season
Technician:	PB	Status:	OK

Configuration Changes	
Part #	Location
BY R 1230	8015
BY R 1114	8015

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	ROM Batt
RP N 206		212	2.5	

Settings and Performance	
Switches:	
Jumpers:	
Eprom:	
Tx Freq:	
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 1230	13.03	
BY R 1114	13.01	

Problem:

Action Taken: Replaced batteries, dessicant. Tested rx side, OK, -95 dB. Tested tx side, OK. Solar OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	Gold Hill Repeater	Date:	21-Aug-12
Service Type:	OneRain Service Ca	Technician:	PB/ZC
		Time:	16:13
		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: Antenna mast bracket welds broken.

Action Taken: Bolts added to bracket through standpipe to stabilize antenna mast.

Repeater unit removed to record settings for 3306 issue documentation. When replacing unit, solar panel connections shorted, causing damage to transmitter board. Repaired solar connections. Replaced board, reprogrammed. Wattage low of Tx radio. Replaced radio. Site OK.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Gold Hill Repeater** Date: **13-Mar-12** Time: **10:57**
Service Type: **Inspection** Technician: **ZC/DP** Status: **OK**

Configuration Changes

Part #	Location
BY R 1210	8015
BY R 1209	8015
BY K 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

Battery Tests

Battery #	V Quiescent	V Load

Problem:

Action Taken: Replaced K battery with two (2) R batterys. Changed pass list to include 1660. Replaced Dessicant. Bracket welds for antenna mast broken-temporarily repaired. A2 repeater currently has two (2) 7-Ah batteries. Consider replacing with R batteries. Solar ok, RF ok.

Site Notes:

Follow-Up: Repair bracket for antenna

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **OneRain, Field Ready** Date: **09-Jan-12** Time: **11:04**
Service Type: **Administration** Technician: **DP** Status: **OK**

Configuration Changes

Part #	Location
TX N 4113	9000
TX J 32082	9000
TX J 32081	9000
TX J 32080	9000
TX J 32079	9000
TX J 32078	9000

Transducer Calibration

Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance

Part #	Ref V	Freq Err	Deviation	ROM Batt
TX J 1103	5.00	200	2.4	

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: Transmitter maintenance and inventory updates.

Site Notes:

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log			
Site Name:	UDFCD Base	Date:	24-Feb-12
		Time:	13:04
Service Type:	Service Call	Technician:	DP/PB/DV
		Status:	OK

Configuration Changes	
Part #	Location

Transducer Calibration			
Sensor ID	Slope	Calib Offset	Std Error

Tx Maintenance				
Part #	Ref V	Freq Err	Deviation	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: Moved all ALERT and A2 equipment to 3rd floor server room in FPC office area.

Site Notes: FPC door code 1-2-5, server room code 1-3-5-2 e sure 2 power supply indicates current!!!!

Follow-Up:

MAINTENANCE RECORD
URBAN DRAINAGE AND FLOOD CONTROL DISTRICT
ONERAIN INCORPORATED

Service Log

Site Name: **Disposed of or Missin** Date: **09-Jan-12** Time: **8:18**
Service Type: **Administration** Technician: **DP** Status: **Scrapped**

Configuration Changes

Part #	Location
BY R 0333	9999
BY J 0906	9999
BY R 0816	9999
BY R 0809	9999
BY R 0806	9999
BY R 0801	9999
BY R 0636	9999
BY R 0633	9999
BY R 0613	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: