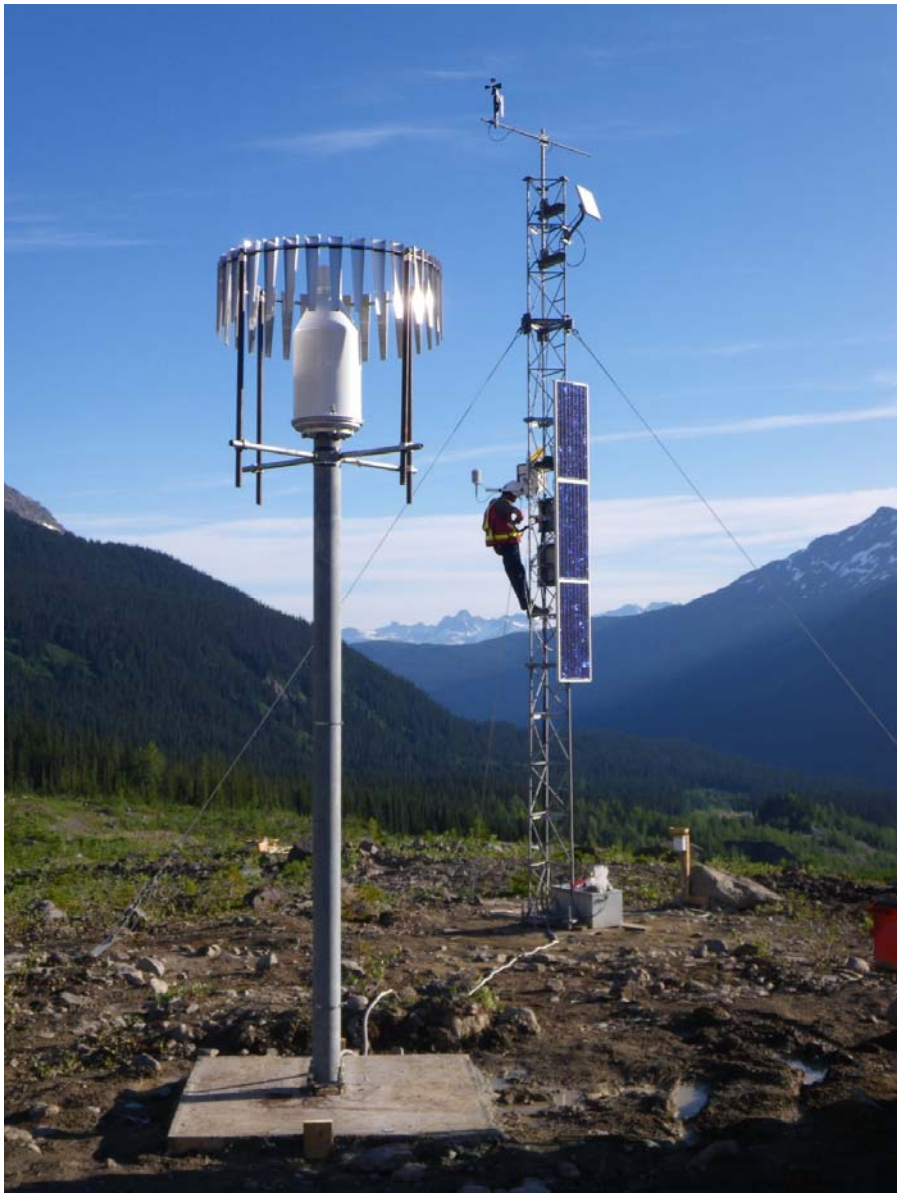
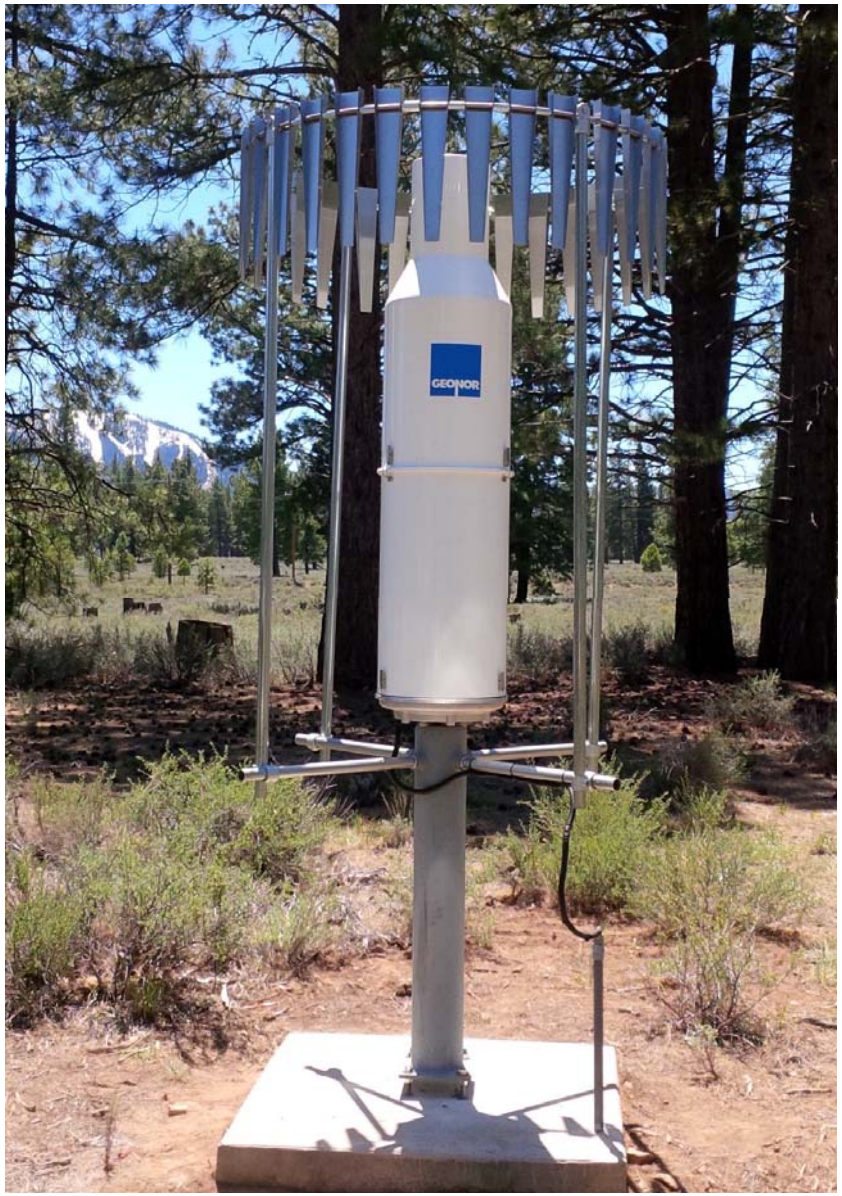
GEONOR

PACIFIC WESTERN

GEONOR



GEONOR


GEONOR

GEONOR

JENOPTIK

LASER
2

(C) by AWI Bremerhaven, Place of Installation: Neumayer-Station III

(C) by AWI Bremerhaven, Place of Installation: Neumayer-Station III

GEONOR CALIBRATION CERTIFICATE

Serial Number: 42714
Transducer type: Precipitation Gauge

$$P = A(f - f_0) + B(f - f_0)^2$$

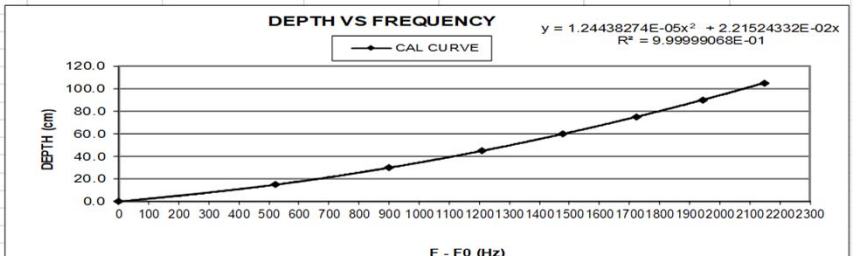
Where:

P =	Applied load on transducer in	cm of precip
f =	Output frequency from transducer	Hz
f_0 =	Zero frequency from transducer	Hz

P	FREQ. (f)	$f - f_0$	P Computed	P-P Computed	Error
	(Hz)	(Hz)			% FS
0.0	1057.6	0.0	0.00000	0.00000	0.00%
15.0	1579.0	521.4	14.93323	0.06677	0.06%
30.0	1956.8	899.2	29.98106	0.01894	0.02%
45.0	2267.5	1209.9	45.01822	-0.01822	-0.02%
60.0	2537.4	1479.8	60.03076	-0.03076	-0.03%
75.0	2779.4	1721.8	75.03297	-0.03297	-0.03%
90.0	3000.4	1942.8	90.00662	-0.00662	-0.01%
105.0	3205.1	2147.5	104.96025	0.03975	0.04%

A =	0.02215243320	2.2152433E-02
B =	0.00001244383	1.2443827E-05
f_0 =	1057.60	

Date:	January 26, 2018
Project:	Vibrating Wire Transducer
Sensor Type:	1000-mm
Customer:	
Calibrated by:	JB
Comment:	



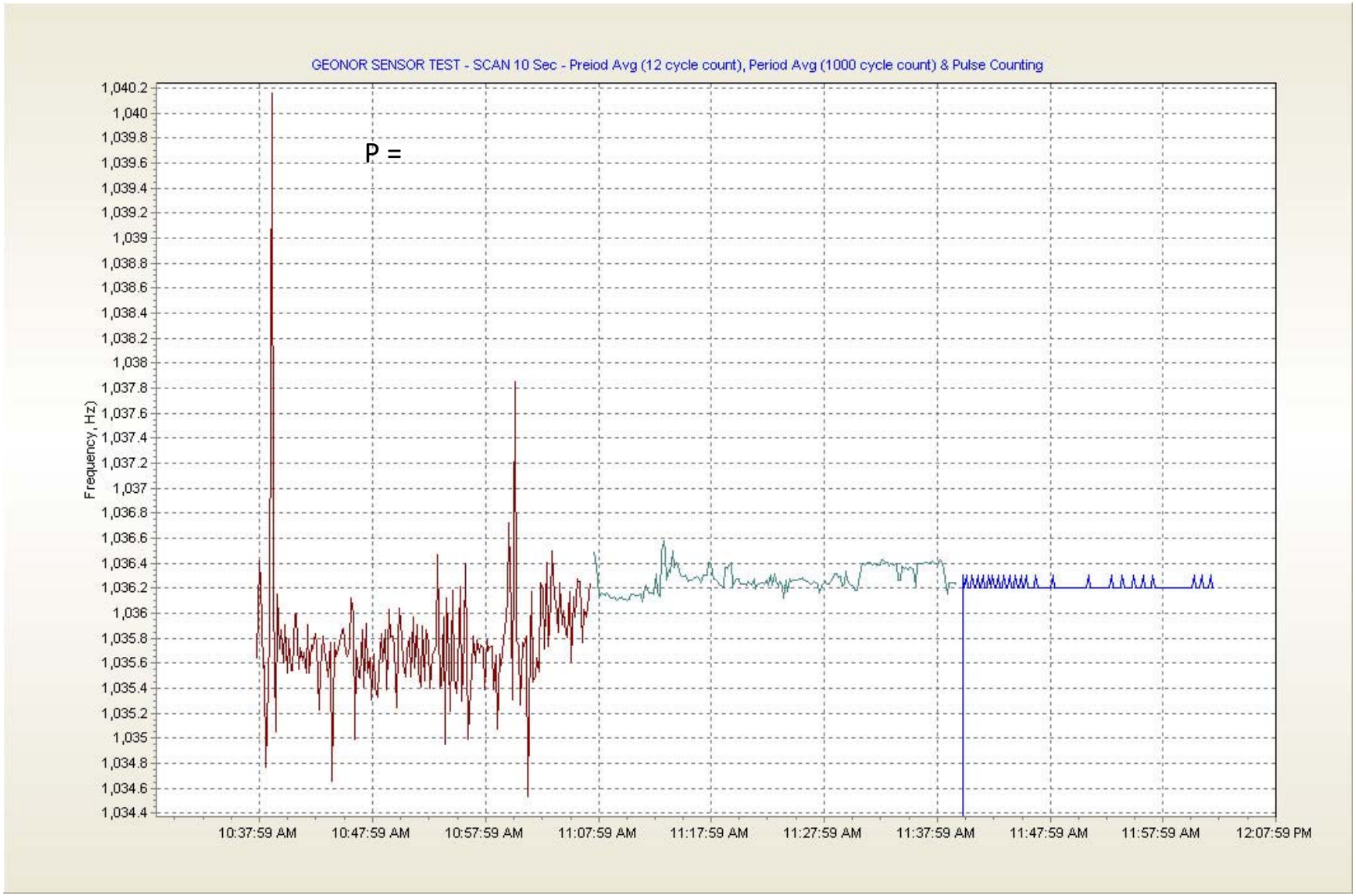
$$P\ (cm) = A\ (f - f0) + B\ (f - f0)^2$$

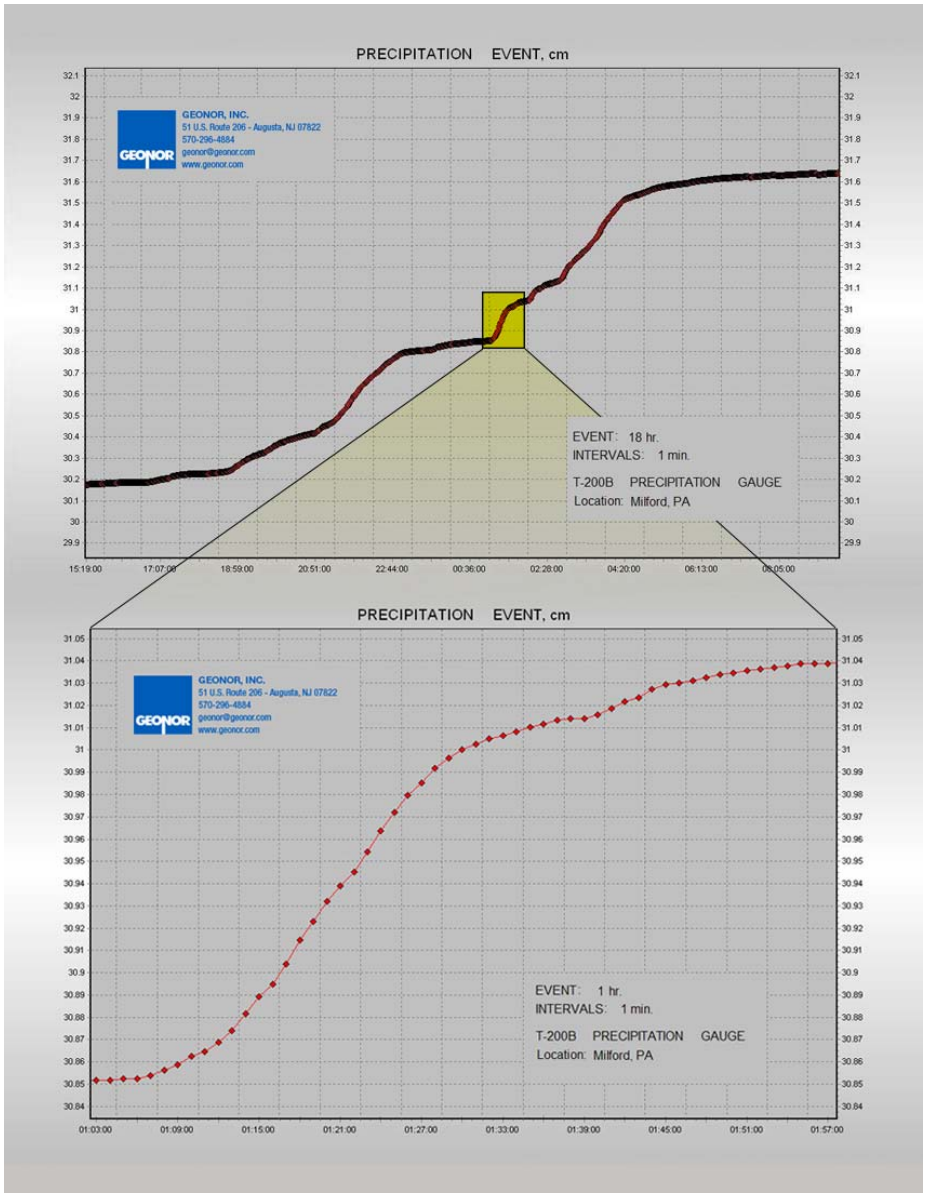
$$P = 0.0221524\ (1386.2 - 1057.6) + 0.00001244\ (1386.2 - 1057.6)^2$$

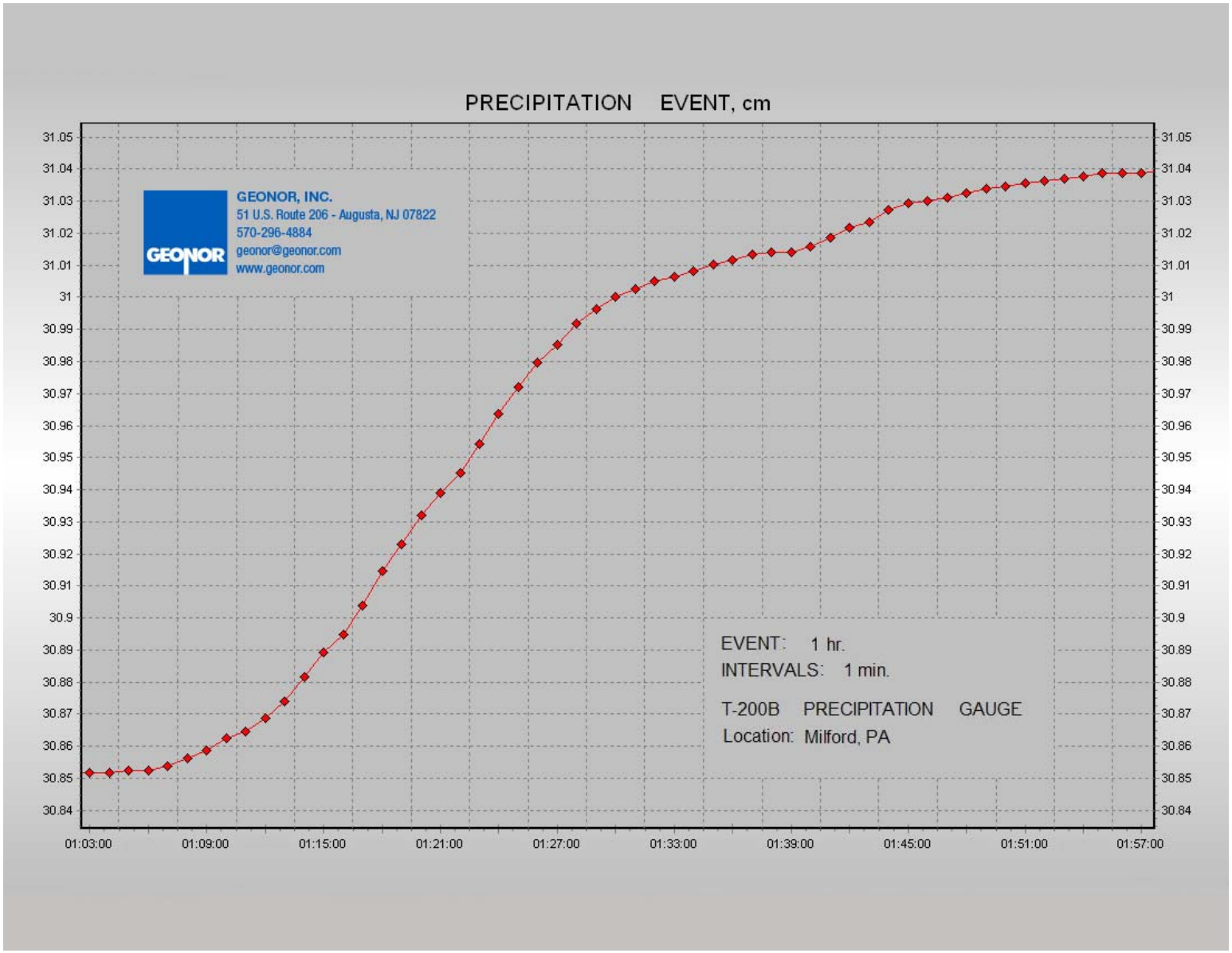
$$P = 8.623\ cm$$

$$P = 0.0221524\ (1387.2 - 1057.6) + 0.00001244\ (1387.2 - 1057.6)^2$$

$$P = 8.653\ cm$$


GEONOR SENSOR TEST - SCAN 10 Sec - Preiod Avg (12 cycle count), Period Avg (1000 cycle count) & Pulse Counting
P =
Frequency, Hz)
1,040.2
1,040
1,039.8
1,039.6
1,039.4
1,039.2
1,039
1,038.8
1,038.6
1,038.4
1,038.2
1,038
1,037.8
1,037.6
1,037.4
1,037.2
1,037
1,036.8
1,036.6
1,036.4
1,036.2
1,036
1,035.8
1,035.6
1,035.4
1,035.2
1,035
1,034.8
1,034.6
1,034.4
10:37:59 AM
10:47:59 AM
10:57:59 AM
11:07:59 AM
11:17:59 AM
11:27:59 AM
11:37:59 AM
11:47:59 AM
11:57:59 AM
12:07:59 PM


PRECIPITATION EVENT, cm
GEONOR, INC.
51 U.S. Route 206 - Augusta, NJ 07822
570-296-4884
geonor@geonor.com
www.geonor.com
EVENT: 18 hr.
INTERVALS: 1 min.
T-200B PRECIPITATION GAUGE
Location: Milford, PA
15:19:00
17:07:00
18:59:00
20:51:00
22:44:00
00:36:00
02:28:00
04:20:00
06:13:00
08:05:00
PRECIPITATION EVENT, cm
GEONOR, INC.
51 U.S. Route 206 - Augusta, NJ 07822
570-296-4884
geonor@geonor.com
www.geonor.com
EVENT: 1 hr.
INTERVALS: 1 min.
T-200B PRECIPITATION GAUGE
Location: Milford, PA
01:03:00
01:09:00
01:15:00
01:21:00
01:27:00
01:33:00
01:39:00
01:45:00
01:51:00
01:57:00


PRECIPITATION EVENT, cm
GEONOR, INC.
51 U.S. Route 206 - Augusta, NJ 07822
570-296-4884
geonor@geonor.com
www.geonor.com
GEONOR
EVENT: 1 hr.
INTERVALS: 1 min.
T-200B PRECIPITATION GAUGE
Location: Milford, PA
31.05
31.04
31.03
31.02
31.01
31
30.99
30.98
30.97
30.96
30.95
30.94
30.93
30.92
30.91
30.9
30.89
30.88
30.87
30.86
30.85
30.84
01:03:00
01:09:00
01:15:00
01:21:00
01:27:00
01:33:00
01:39:00
01:45:00
01:51:00
01:57:00