1.4

Raw Data
on the
House to House Testing
from the
Idaho Radionuclide Study

8705
1.4-0003

7 Pages

		Main Floor			Basement			Model 19						
		PIC			PIC									
ID	TYPE	1ST FLOOR	SD	MODEL 19	BASEMENT	SD	MODEL 19	BACK YARD	GARDEN	FRONT YARD	SIDEWALK	STREET	DRIVEWAY	TERRADEX SN
P-01	WOOD	11.5	0.46	11	11.9	0.59	11	14	--	--	15	16	14	444901
P-02	WOOD	11	0.8	10	11.5	0.39	10	12	--	--	22	42	14	444902
P-03	WOOD	12.3	0.49	--	13.3	0.69	--	12	--	--	--	17	12	444904
P-04	LOG	11.5	0.43	10	11.9	0.44	11	15	--	--	--	60	17	444916
P-05	WOOD	10.2	0.69	8	NA	NA	NA	--	--	--	10	--	10	--
P-06	WOOD	10.3	0.5	9	10.8	0.72	9	12	--	--	--	18	24	444903
P-07	BRICK	13.7	0.69	--	12.8	0.86	12	13	--	13	--	12	13	--
P-08	WOOD	11.4	0.15	10	12.8	0.36	13	14	--	--	14	15	--	444976
P-09	WOOD	10.7	0.17	10	11.4	0.51	--	12	--	12	17	17	12	444979
P-10	WOOD	11.4	0.34	11	11.8	0.59	12	15	--	16	35	57	16	444962
P-11	BRICK	12	0.44	11	11.2	0.95	--	16	16	20	22	55	--	--
P-12	WOOD	9.7	0.47	8	11	0.65	8	12	--	11	10	10	--	444963
P-13	WOOD	10.3	0.46	8	12.1	0.41	--	13	15	--	12	16	8	444905
P-14	--	11	0.45	8	12.7	0.43	9	13	--	--	12	13	12	444978
P-15	--	10	0.4	8	11.3	0.8	11	--	18	--	12	14	--	444937
P-16	WOOD	9	0.18	8	10.9	0.62	9	11	14	11	10	10	--	444906
P-17														
P-18	BRICK	11.8	0.41	10	10.8	0.44	9	12	12	12	12	13	12	444908
P-19	--	13.3	0.67	10	12.4	0.49	9	13	--	13	--	27	12	445009
P-20	WOOD	13.3	0.51	16	19	0.47	28	16	--	18	--	55	15	444911
P-21	--	10.4	0.15	9	11.2	0.18	10	--	--	--	14	20	--	444994
P-22	WOOD	11.4	0.73	11	10.4	0.4	11	15	--	15	--	22	25	444952
[illegible]	--	12.4	0.26	12	13.7	0.26	11	19	--	16	--	18	16	--
[illegible]	BRICK	11.8	0.79	11	11.8	0.3	11	13	--	12	--	14	13	444909
P-25	WOOD	9.9	0.39	9	9.9	0.27	9	14	15	12	12	12	11	444909
P-26	--	11.7	0.74	9	13.2	0.42	12	12	--	--	13	20	--	444975
P-27	WOOD	11.4	0.3	10	12.2	0.55	10	14	--	14	14	44	--	445007
P-28	WOOD	10	0.19	8	9.8	0.31	9	12	--	--	20	67	11	444992
P-29	WOOD	9.5	0.24	7	11.2	0.55	9	12	-	14	--	--	24	444986
P-30	WOOD	11	0.63	10	10.5	0.48	--	12	--	15	22	55	13	444907
P-31	BRICK	10.6	0.42	--	13.1	0.73	11	13	11	11	11	12	11	444910
P-32	BRICK	13.7	0.18	15	12	0.78	12	13	--	13	--	12	13	444946
P-33	WOOD	10.6	0.65	8.5	10.4	0.63	10	12	12	14	--	15	55	444945
P-34	WOOD	10.6	0.21	11	13.4	0.32	14	--	--	14	12	14	13	444980
P-35	BRICK	9.8	0.28	11	11.8	0.24	11	12	--	12	--	21	13	444981
P-36	BRICK	10.2	0.68	11	11.9	0.43	11	--	--	14	12	14	12	444982
P-37	BRICK	10.1	0.19	9	10	0.21	9	12	--	--	10	16	--	444983
P-38	BRICK	10.1	0.59	9	10.4	0.55	10	13	--	--	--	--	--	444964
P-39	WOOD	11.76	0.47	11	10.3	0.29	10	13	--	--	25	17	65	444928
P-40	WOOD	12.4	0.38	12	NA	NA	NA	12	--	14	--	28	38	--
P-41	MOBILE HO	12.1	0.34	12	NA	NA	NA	12	--	13	--	38	25	444966
P-42	WOOD	9.8	0.13	8.5	10.5	0.16	10	12	--	11	13	14	--	444965
P-43	WOOD	13.2	0.38	13	13.9	0.52	11	--	--	--	--	40	20	444917
P-44	BRICK	12.4	0.46	11	11.4	0.58	11	12	--	14	12	15	--	444922
P-45	BRICK	10.2	0.35	9	10.1	0.46	8	14	--	13		14	--	444987
P-46	BRICK	11.8	0.38	12	12.7	0.45	12	17	19	20	--	55	45	444921
P-47	WOOD	11.6	0.22	12	13	0.48	14	--	17	18	23	60	22	444988
P-[illegible]	WOOD	9.9	0.29	9	10.1	0.67	9	13	13	16	17	40	--	444943
P-[illegible]	MOBILE HO	12.4	1.03	11	NA	NA	NA	14	--	15	--	--	40	444947
P-50	WOOD	10	0.53	8.5	11.7	0.16	11	12	--	11	--	11	11	444944
P-51	WOOD	11.7	0.21	12	NA	NA	NA	14	--	19	--	41	14	444930
P-52	WOOD	10.4	0.41	10	11.3	0.69	10	14	--	--	--	17	14	444926
P-53	WOOD	11	0.37	12	10.9	0.3	12	24	--	21	--	75	--	444984

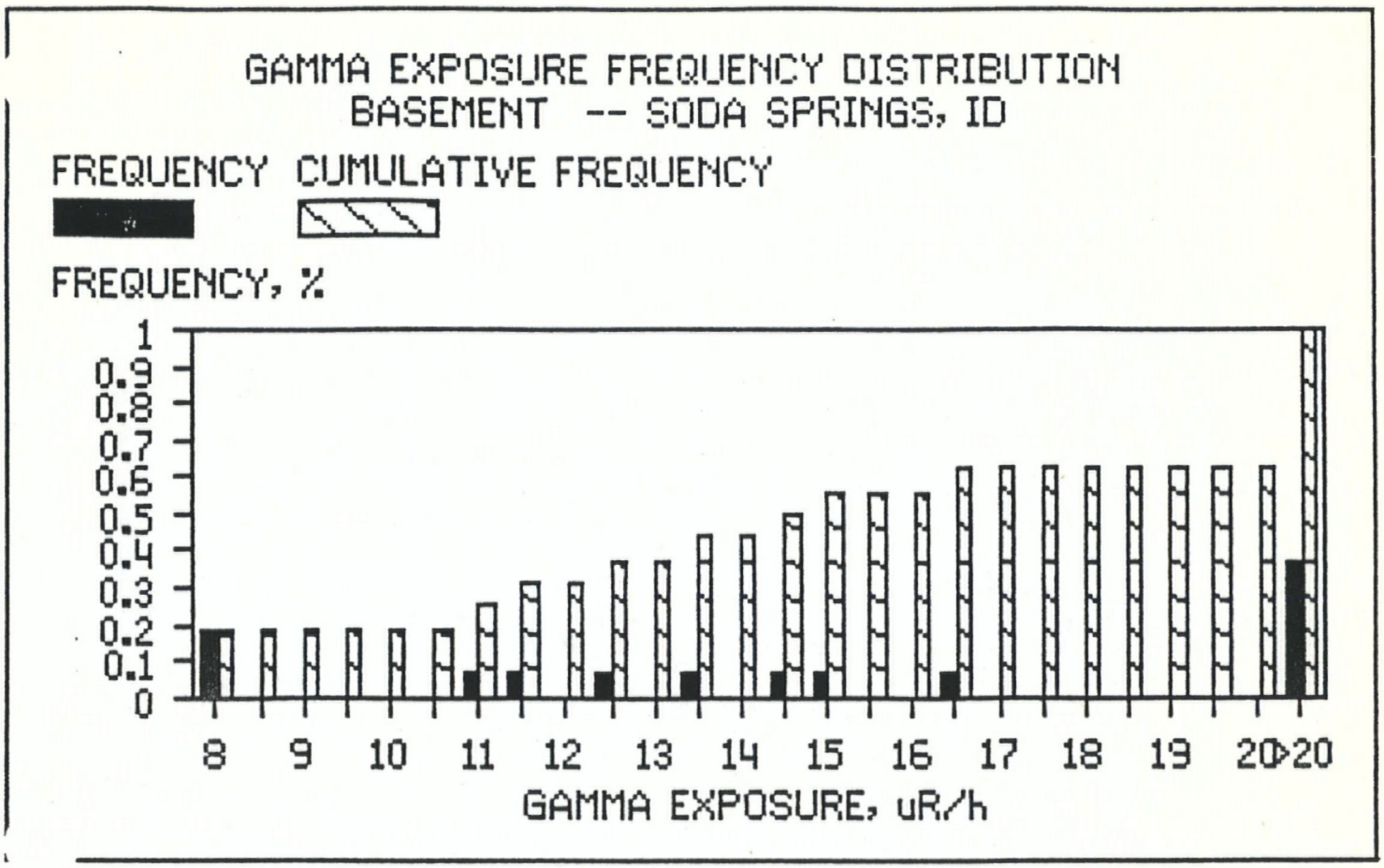
		Main Floor			Basement									
		P.I.C.		Model	PIC		Model							
		$\bar{X}$	SD	19	$\bar{X}$	S.D.	19	Back Yard	Garden	Front Yard	Sidewalk	Street	Driveway	
P-54	WOOD	11	0.86	11	9.8	0.59	9	17	--	16	17	15	15	444985
P-55	MOBILE HO	11.1	0.44	13	NA	NA	NA	13	--	16	30	60	12	445010
P-56	WOOD	10.1	0.19	9	10.3	0.38	10	14	--	14	--	44	14	444927
P-57	BRICK	12.6	0.69	12	10.8	0.25	11	14	--	13	12	17	13	444948
P-58	WOOD	11.6	0.43	11	10.3	0.4	10	14	--	16	--	55	36	444924
P-59	WOOD	9.8	0.38	11	10.7	0.77	12	15	--	18	--	65	16	444996
P-60	WOOD	11.4	0.24	12	11.1	0.59	11	16	--	17	--	70	17	444995
P-61	WOOD	10.1	0.6	10	10.4	0.52	11	13	--	17	--	70	17	444989
P-62	WOOD	10.9	0.74	13	11.5	0.36	12	16	--	18	--	65	17	445001
P-63	WOOD	11.9	1.1	13	11	0.62	11	18	--	14	--	18	17	444990
P-64	MOBILE HO	13.2	0.66	15	NA	NA	NA	17	--	20	46	70	16	444925
P-65	WOOD	12.5	0.61	13	11.6	0.19	12	16	--	19	29	65	14	445011
P-66	WOOD	9.3	0.22	11	10.3	0.77	10	16	--	14	14	14	13	445012
P-67	WOOD	10.7	0.58	9	10.6	0.47	12	14	--	14	--	17	14	445013
P-68	--	10.5	0.45	11	10.9	0.55	--	15	--	15	15	19	--	445014
P-69	WOOD	10.6	0.43	11	10.2	0.39	10	15	--	17	21	45	15	445015
P-70	WOOD	10.4	0.48	11	11.2	0.43	11	14	--	--	15	22	13	445016
P-71	WOOD	9.5	0.73	9	11	0.42	11	16	--	13	13	13	13	445017
P-72	WOOD	9.2	0.41	9	NA	NA	NA	16	--	17	--	--	55	445018
P-73	BRICK	10.8	0.61	11	11.7	0.31	--	15	--	16	--	17	13	445019
P-74	WOOD	10.8	0.61	14	11	0.53	13	--	--	19	--	65	15	445020
P-75	WOOD	9.4	0.63	12	10.9	0.37	--	15	--	18	--	55	14	444923
P-76	WOOD	9.9	0.43	10	11.5	0.61	11	14	--	15	18	24	14	2
P-77	WOOD	10.9	0.33	12	11.9	1.02	12	15	--	21	--	60	21	444950
P-78	WOOD	15.8	0.49	17	13.1	1	15	19	--	18	23	70	--	444951
79	WOOD	10.6	0.6	11	NA	NA	NA	15	--	15	--	19	13	444953
80	BRICK	11	0.71	10	10.9	0.48	--	15	--	15	15	18	12	444954
P-81	BRICK	10.7	0.94	11	12.2	0.49	11	16	--	20	--	27	60	444955
P-82	WOOD	10.8	0.54	12	11.1	0.14	11	16	--	--	--	70	20	444929
P-83														
P-84														
P-85														

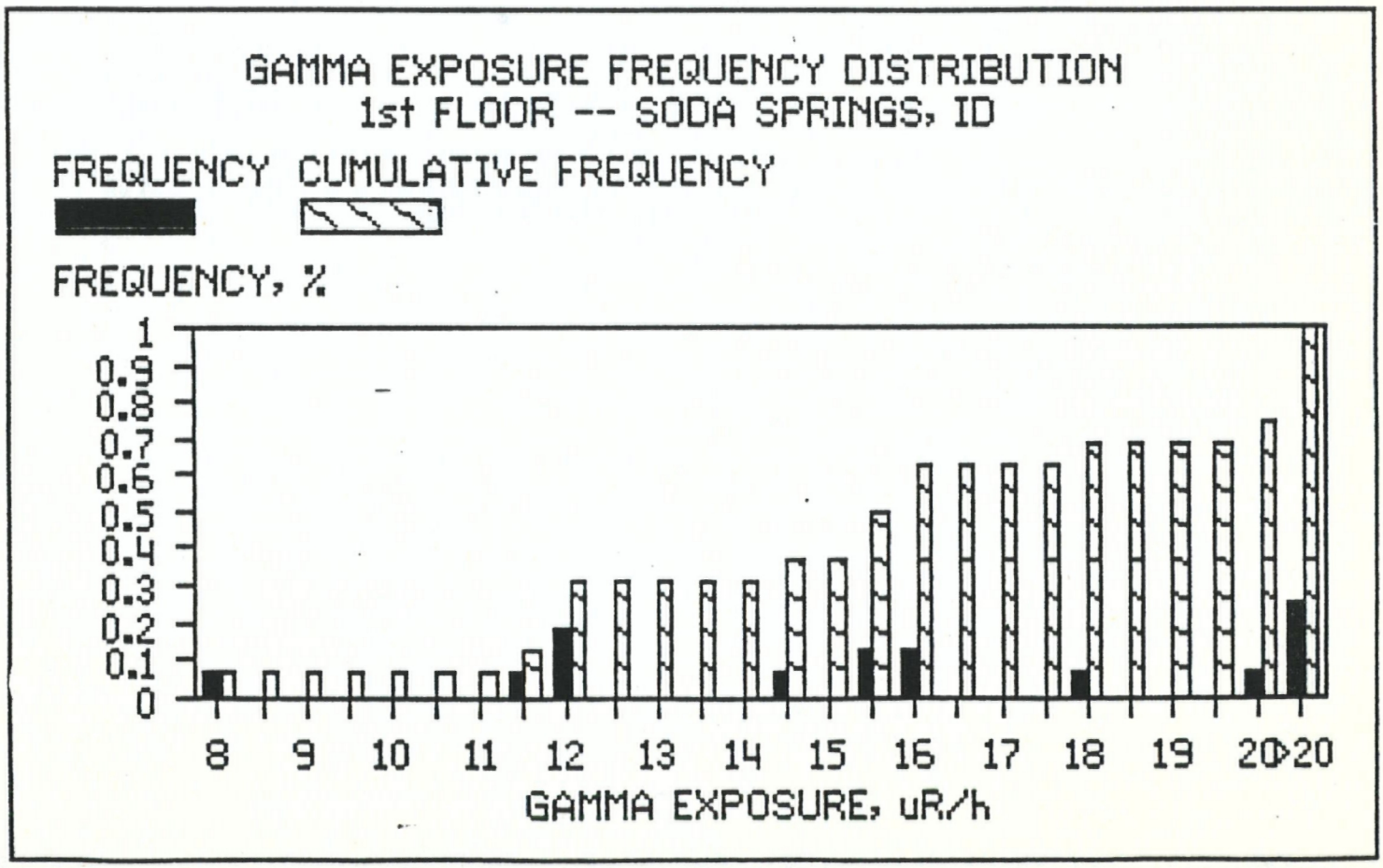
N=76
35.6
S.D. = 21.3
R=11-75

S-01	BRICK	11.9	0.36	11	11.3	0.49	11	16	--	16	16	30	--	444915
S-02	--	11.2	0.51	9	10.7	0.77	7	15	--	18	--	40	48	444914
S-03	WOOD	14.1	0.33	13	15	0.54	15	17	--	--	18	38	16	444913
S-04	BRICK	--	--	--	--	--	--	--	--	--	--	--	16 --	
S-05	BRICK	11.7	0.58	9	12.5	0.36	9	16	--	15	--	10	--	444912
S-07	WOOD	22.5	0.38	33	36	0.64	70	--	--	20	--	32	40	444940
S-08	WOOD	15.1	1.3	15	20.3	0.65	22	--	--	23	32	65	28	444931
S-09	--	22.9	0.38	30	39.7	0.56	65	15	--	22	--	24	50	444932
S-10	--	15.7	0.74	15	14.1	0.63	10	15	14	16	--	26	--	444933
S-11	LOG	12	0.69	9	13.5	0.86	11	16	--	17	--	19	13	444934
S-12	WOOD	17.8	0.44	20	NA	NA	NA	15	--	14	--	22	11	444935
S-13	--	16	0.53	17	20.4	0.74	23	18	16	18	36	72	17	444936
S-14	UNIQUE	19.6	0.42	20	16.1	0.7	18	--	--	12	--	--	--	444941
S-15	MOBILE HO	15.2	0.3	16	NA	NA	NA	--	--	--	--	44	--	444942
S-16	BRICK	25.5	0.38	38	50	1.1	75	17	--	20	24	25	34	--
S-17	BRICK	39.6	0.48	65	21.6	0.38	34	20	--	23	60	38	--	444969

N=14
$\bar{X}$=34.6
SD=17
R=10-72

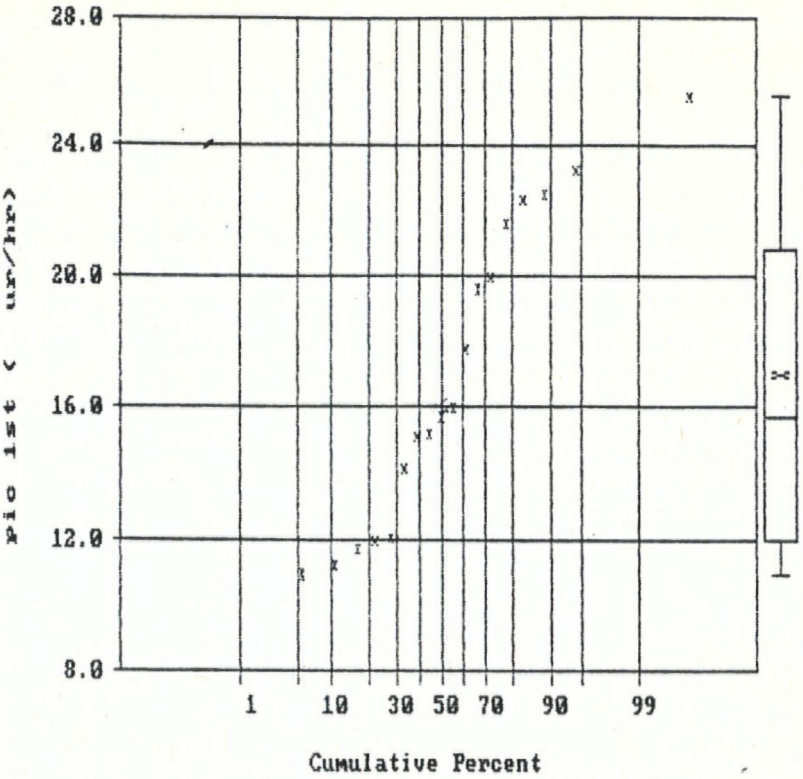
S-20


GAMMA EXPOSURE FREQUENCY DISTRIBUTION
BASEMENT -- SODA SPRINGS, ID
FREQUENCY
CUMULATIVE FREQUENCY
FREQUENCY, %
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
8
9
10
11
12
13
14
15
16
17
18
19
20
>20
GAMMA EXPOSURE, uR/h


GAMMA EXPOSURE FREQUENCY DISTRIBUTION
1st FLOOR -- SODA SPRINGS, ID
FREQUENCY
CUMULATIVE FREQUENCY
FREQUENCY, %
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
8
9
10
11
12
13
14
15
16
17
18
19
20
>20
GAMMA EXPOSURE, uR/h

Soda Springs

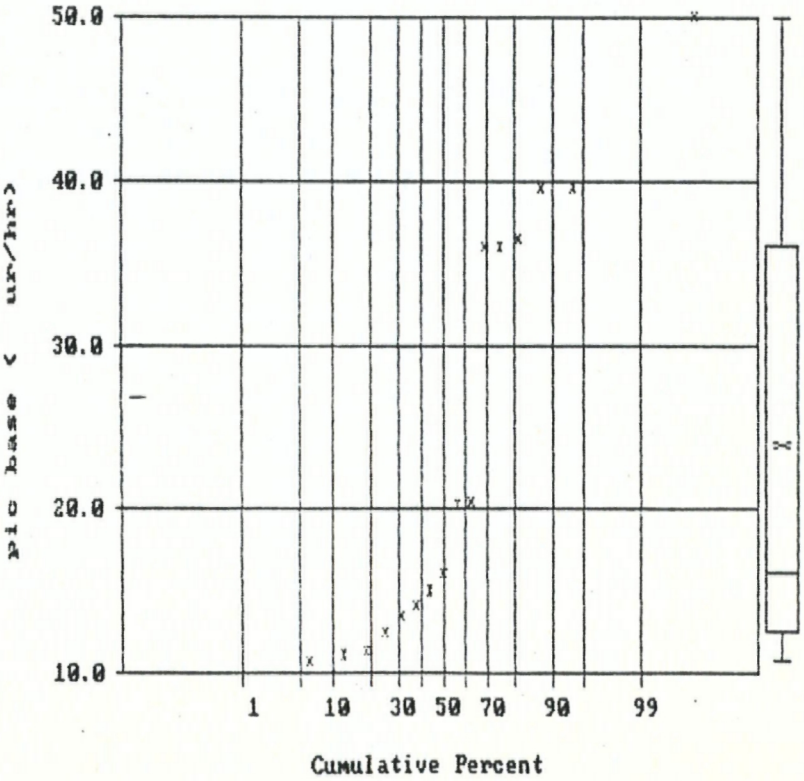
Normal Probability Plot for pic 1st (ur/hr)
idaho gamma in homes survey



Statistics

N Total:	18
N Missing:	0
N Used:	18
Mean:	17.017
Variance:	20.8
StDev:	4.561
CV:	0.268
Skewness:	0.247
Kurtosis:	1.752
Min:	10.900
Q1:	11.950
Median:	15.700
Q3:	20.800
Max:	25.500

Normal Probability Plot for pic base (ur/hr)
idaho gamma in homes survey



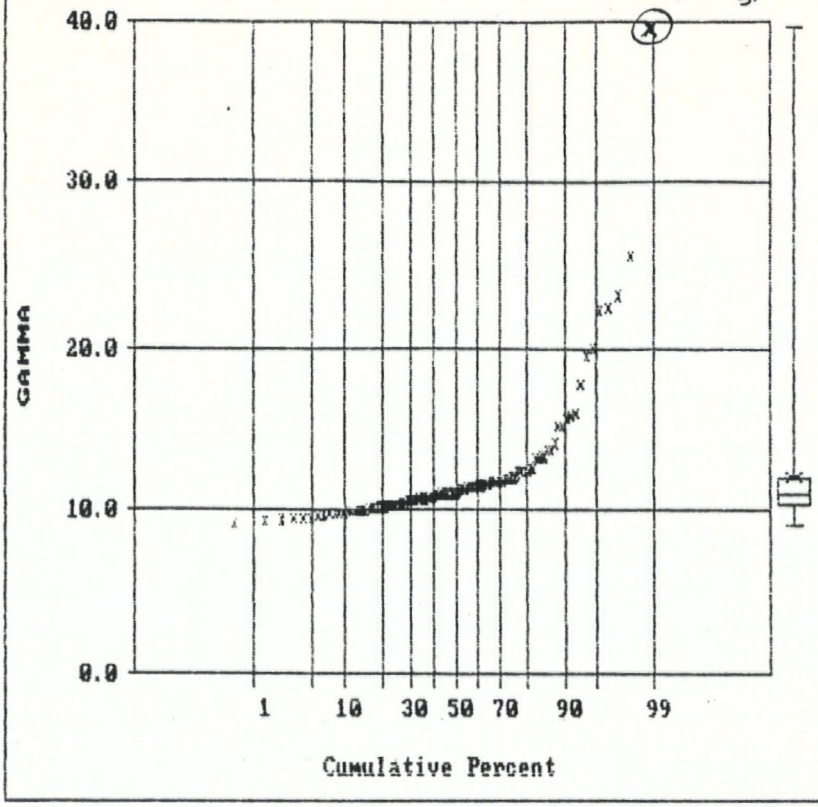
Statistics

N Total:	18
N Missing:	2
N Used:	16
Mean:	23.937
Variance:	164.
StDev:	12.821
CV:	0.536
Skewness:	0.585
Kurtosis:	1.814
Min:	10.700
Q1:	12.500
Median:	16.100
Q3:	36.100
Max:	50.000

PIC MEASUREMENTS 1ST FLOOR
POCATELLO (99) SODA SPRINGS (18)

Normal Probability Plot for GAMMA
Idaho First Floor Data

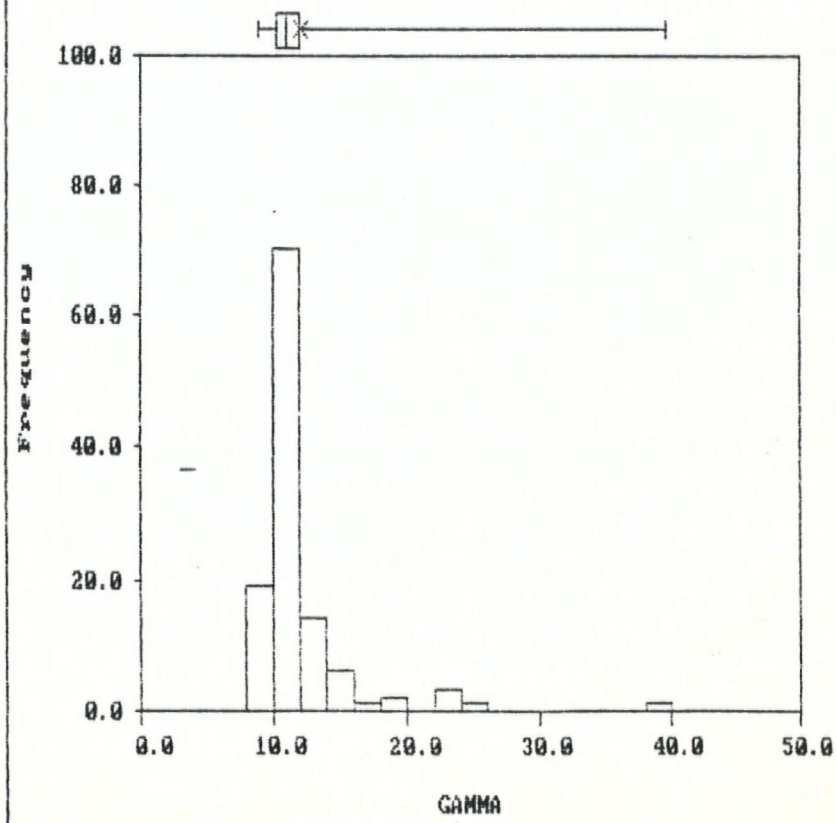
basement reading should be 23



Statistics

N Total:	117
N Missing:	0
N Used:	117
Mean:	12.106
Variance:	14.7
StDev:	3.830
CV:	0.316
Skewness:	4.201
Kurtosis:	25.860
Min:	9.000
Q1:	10.300
Median:	11.000
Q3:	11.975
Max:	39.600

Histogram for GAMMA
Idaho First Floor Data

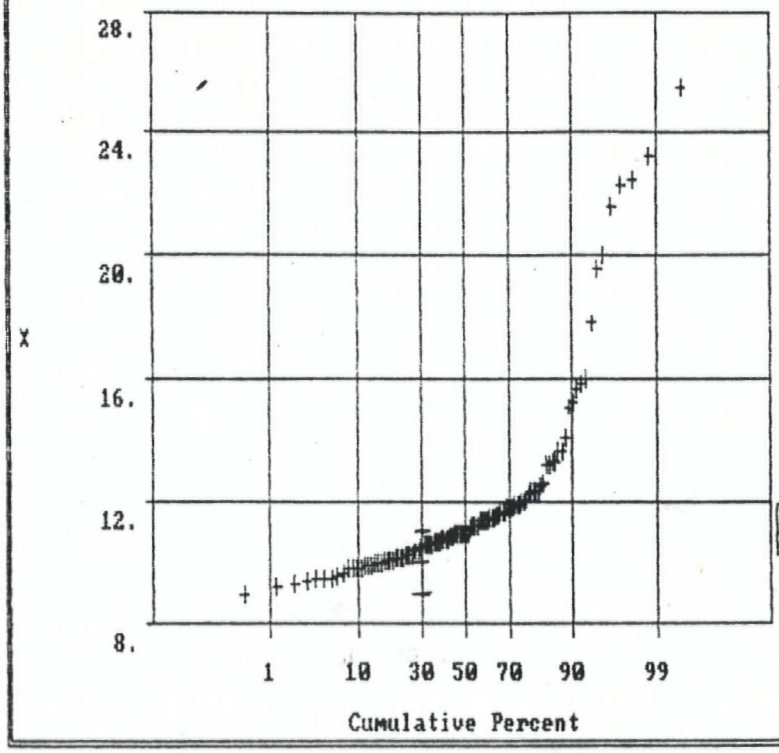


Statistics

N Total:	117
N Missing:	0
N Used:	117
Mean:	12.106
Variance:	14.7
StDev:	3.830
CV:	0.316
Skewness:	4.201
Kurtosis:	25.860
Min:	9.000
Q1:	10.300
Median:	11.000
Q3:	11.975
Max:	39.600

-atello
and
Soda
Springs

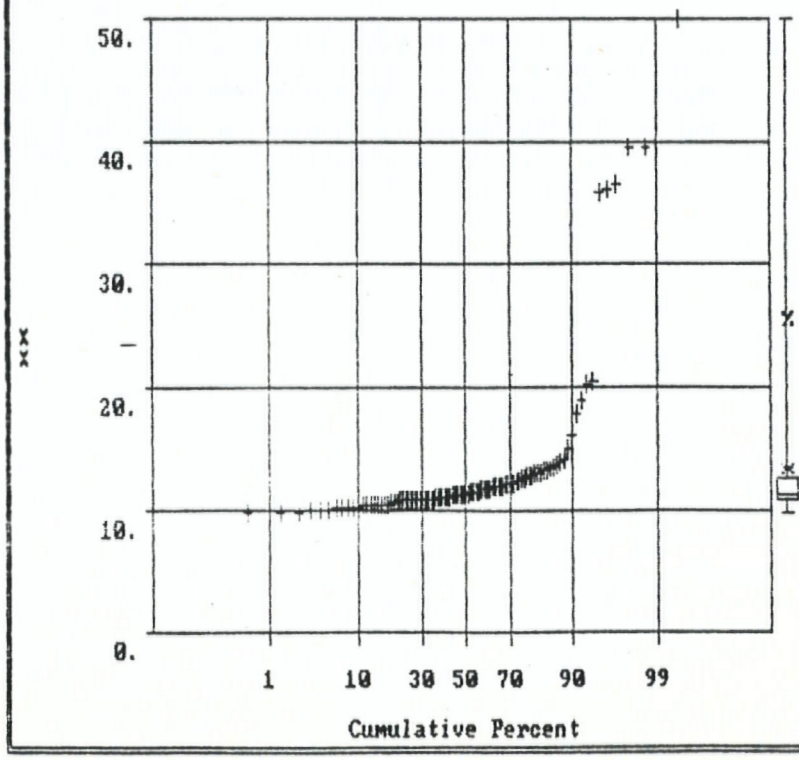
Normal Probability Plot for x
Data file: idapic.dat



Statistics

N Total :	118
N Miss :	0
N Used :	118
Mean :	11.936
Variance:	8.985
Std. Dev:	2.997
Coef.Var:	25.112
Skewness:	2.619
Kurtosis:	9.953
Minimum :	9.000
25th % :	10.300
Median :	11.000
75th % :	11.950
Maximum :	25.500

Normal Probability Plot for xx
Data file: idapic.dat

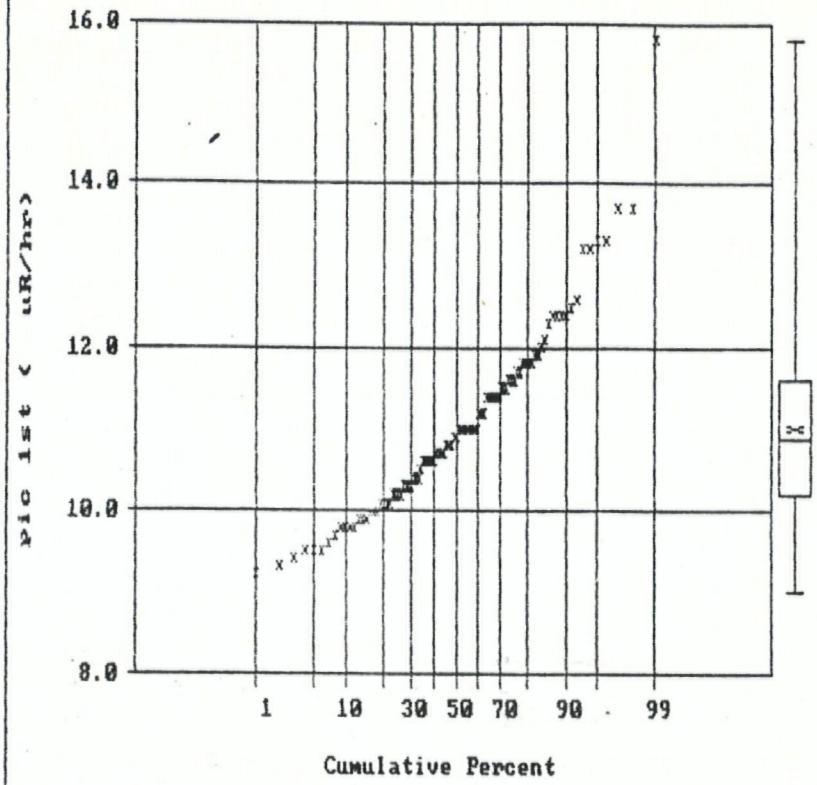


Statistics

N Total :	118
N Miss :	0
N Used :	105
Mean :	13.448
Variance:	46.941
Std. Dev:	6.851
Coef.Var:	50.948
Skewness:	3.606
Kurtosis:	15.625
Minimum :	9.800
25th % :	10.825
Median :	11.400
75th % :	12.650
Maximum :	50.000

Pocatello

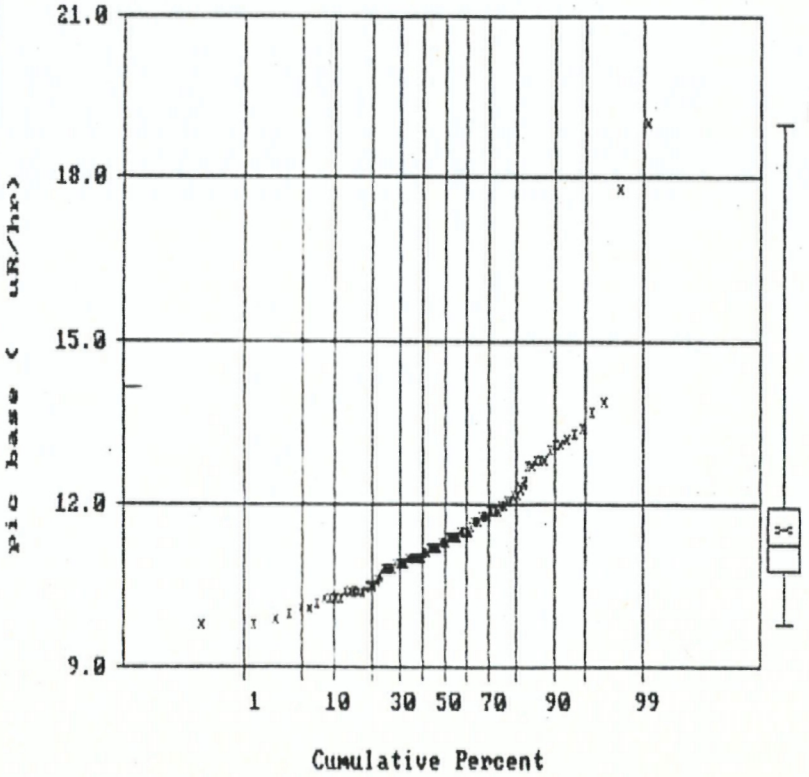
Normal Probability Plot for pic 1st (uR/hr)
idaho gamma in homes survey



Statistics

N Total:	100
N Missing:	0
N Used:	100
Mean:	11.022
Variance:	1.29
StDev:	1.134
CV:	0.103
Skewness:	1.072
Kurtosis:	5.128
Min:	9.000
Q1:	10.200
Median:	10.900
Q3:	11.600
Max:	15.800

Normal Probability Plot for pic base (uR/hr)
idaho gamma in homes survey



Statistics

N Total:	100
N Missing:	11
N Used:	89
Mean:	11.562
Variance:	1.96
StDev:	1.401
CV:	0.121
Skewness:	2.698
Kurtosis:	13.878
Min:	9.800
Q1:	10.800
Median:	11.300
Q3:	11.975
Max:	19.000