

Apatite

Grece
G3b

CBU

Agathe

Cryst.: **Area:**

11 (12) 136

Ns: **RhoS:**

54 3.971

Ni: **RhoI:**

163 11.985

Pooled: 0.331 38.8 ± 6.3

Mean: 0.364 42.6 ± 3.7

Central: 0.331 38.8 ± 6.3

Weigh.I: 0.328 38.4

Weigh.II: 0.36 41.9

Chi-sq.: 2.84 **P (%):** 98.49

Dispersion: 0.00

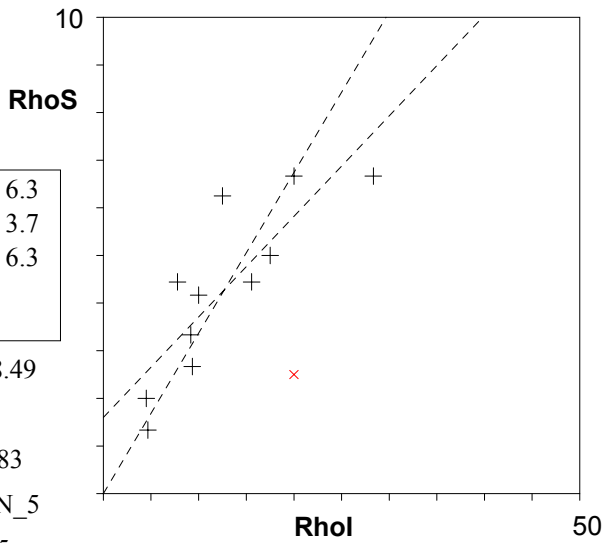
a: 1.597 **b:** 0.211 **r:** 0.83

Irr.: R-18-1B **Glass:** CN_5

Nd: 8273 **RhoD:** 7.5

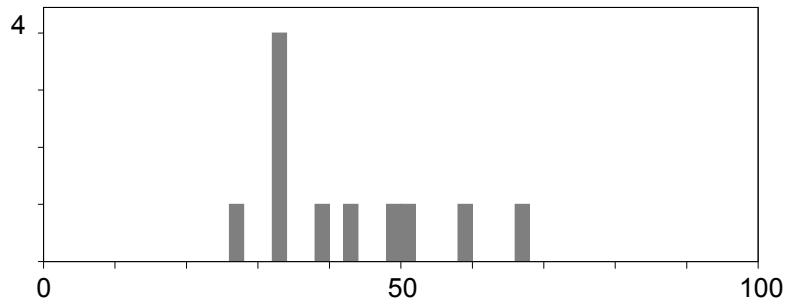
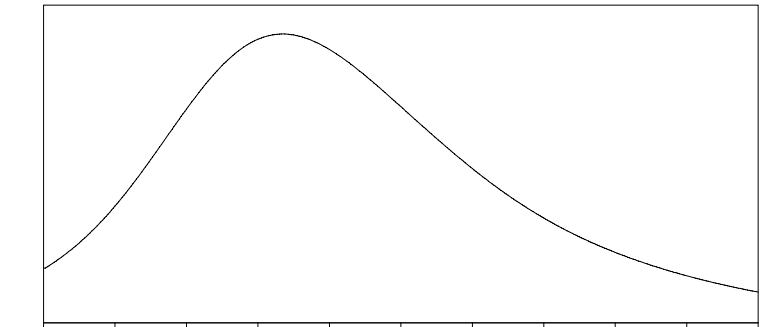
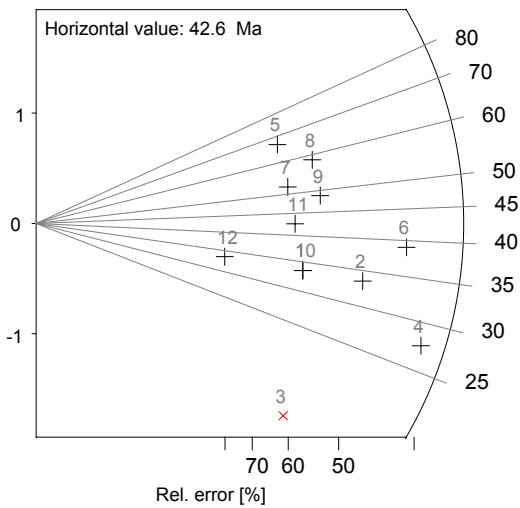
Zeta: 313.2 ± 11.96 **U.:** 19.42 (± 57%)

Goodness: n. d.



1 crystals rejected: 3

kurt.: -0.35 skew.: 0.80



Grece G3b CBU .
12 Apatite crystals Sum. Ns: 57 Sum. Ni: 187
Zeta: 313.2 +- 11.96 Micr. grid.: 100
Glass: CN_5 Irrad. code: R-18-1B RhoD: 7.5 Nd: 8273

Cryst	Ns	Ni	A	RhoS	RhoI	Age +- 1s	Uran.	
1	4	14	15	2.667	9.333	33.47	19.02	14.312
2	6	21	12	5.000	17.500	33.47	15.55	26.835
3	8	27	12	2.368	26.000	14.00	9.00	30.368
4	8	34	12	6.667	28.333	27.58	10.89	43.447
5	4	7	9	4.444	7.778	66.77	41.93	11.927
6	8	24	12	6.667	20.000	39.03	16.01	30.668
7	4	9	20	2.000	4.500	51.99	31.31	6.900
8	5	10	8	6.250	12.500	58.46	32.10	19.168
9	5	12	12	4.167	10.000	48.75	26.02	15.334
10	4	14	9	4.444	15.556	33.47	19.02	23.853
11	4	11	12	3.333	9.167	42.57	24.91	14.056
12	2	7	15	1.333	4.667	33.47	26.87	7.156

Apatite

Grece
G8b

Métasédiment

Agathe

Cryst.: Area:

22 244

Ns: RhoS:
59 2.418

Ni: RhoI:
233 9.549

Pooled: 0.253 30.9 ± 4.7

Mean: 0.282 34.4 ± 2.3

Central: 0.253 30.9 ± 4.7

Weigh.I: 0.247 30.2

Weigh.II: 0.28 34.1

Chi-sq.: 4.43 **P (%):** 100.0

Dispersion: 0.00

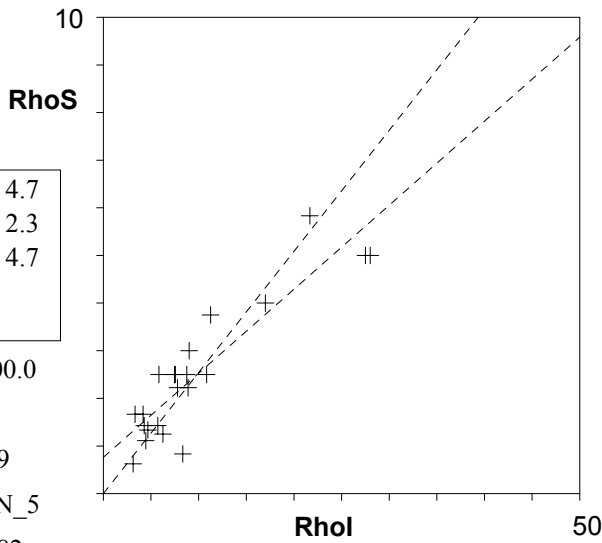
a: 0.763 **b:** 0.176 **r:** 0.9

Irr.: R-18-1B **Glass:** CN_5

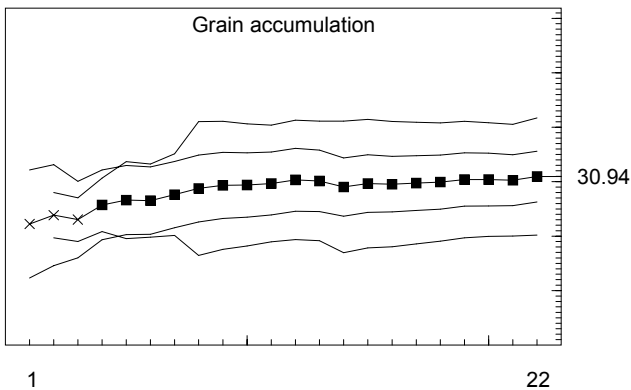
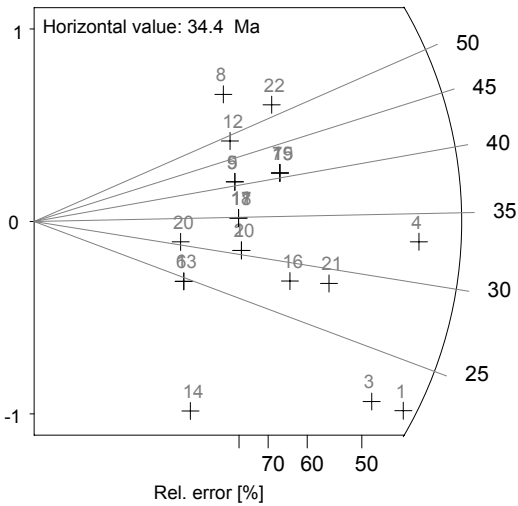
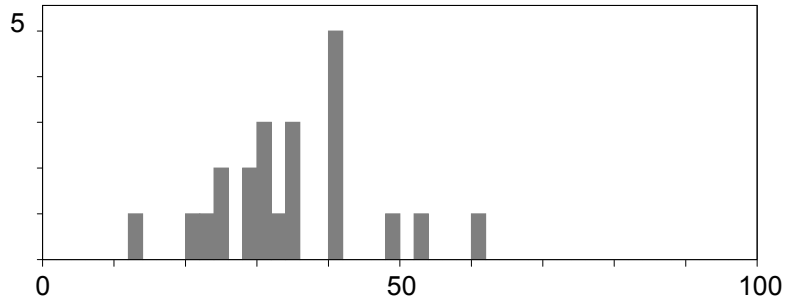
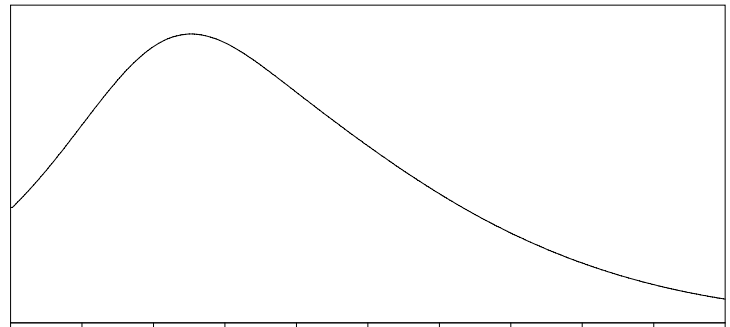
Nd: 8273 **RhoD:** 7.82

Zeta: 313.2 ± 11.96 **U.:** 14.43 (± 74 %)

Goodness: n. d.



kurt.: 0.67 skew.: 0.45



- \ Poisson (1x)
- \ St. dev. (1x)
- Zero tracks
- Chi pass/fail (5%)

Grece G8b Métasédiment .
22 Apatite crystals Sum. Ns: 59 Sum. Ni: 233
Zeta: 313.2 +- 11.96 Micr. grid.: 100
Glass: CN_5 Irrad. code: R-18-1B RhoD: 7.82 Nd: 8273

Cryst	Ns	Ni	A	RhoS	RhoI	Age +- 1s	Uran.
1	6	33	12	5.000	27.500	22.23	9.90 40.443
2	2	8	9	2.222	8.889	30.54	24.18 13.073
3	5	28	10	5.000	28.000	21.83	10.63 41.179
4	7	26	12	5.833	21.667	32.89	14.06 31.865
5	2	6	14	1.429	4.286	40.69	33.26 6.303
6	1	5	8	1.250	6.250	24.45	26.80 9.192
7	3	9	12	2.500	7.500	40.69	27.18 11.030
8	2	4	12	1.667	3.333	60.94	52.83 4.902
9	2	6	8	2.500	7.500	40.69	33.26 11.030
10	2	8	14	1.429	5.714	30.54	24.18 8.404
11	2	7	8	2.500	8.750	34.89	28.01 12.868
12	2	5	12	1.667	4.167	48.80	40.87 6.128
13	1	5	16	.625	3.125	24.45	26.80 4.596
14	1	10	12	.833	8.333	12.23	12.84 12.256
15	3	9	10	3.000	9.000	40.69	27.18 13.236
16	3	13	12	2.500	10.833	28.20	18.10 15.932
17	2	7	9	2.222	7.778	34.89	28.01 11.439
18	2	7	15	1.333	4.667	34.89	28.01 6.863
19	3	9	8	3.750	11.250	40.69	27.18 16.545
20	1	4	9	1.111	4.444	30.54	34.17 6.536
21	4	17	10	4.000	17.000	28.75	16.02 25.001
22	3	7	12	2.500	5.833	52.27	36.13 8.579

Apatite

Grece
G11

Socle métam

Agathe

Cryst.: Area:

19 (20) 315

Ns: RhoS:
162 5.143

Ni: Rhol:
1112 35.302

Pooled: 0.146 19.4 ± 1.8

Mean: 0.151 20.1 ± 1.6

Central: 0.145 19.3 ± 2.0

Weigh.I: 0.156 20.8

Weigh.II: 0.16 20.7

Chi-sq.: 19.19 **P (%):** 38.04

Dispersion: 0.18

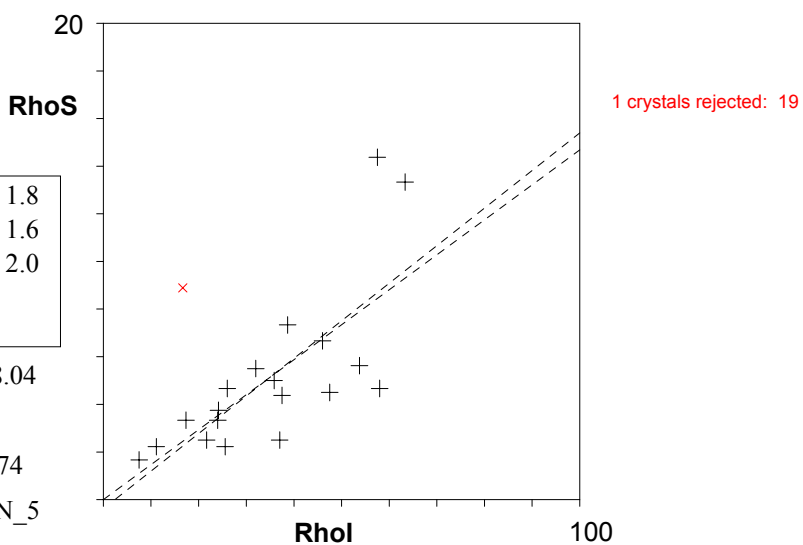
a: -0.383 **b:** 0.158 **r:** 0.74

Irr.: R-18-1B **Glass:** CN_5

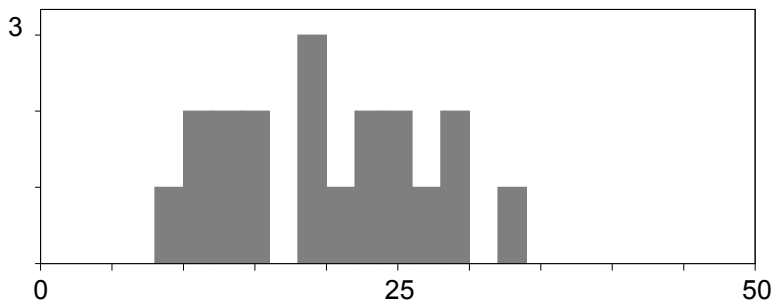
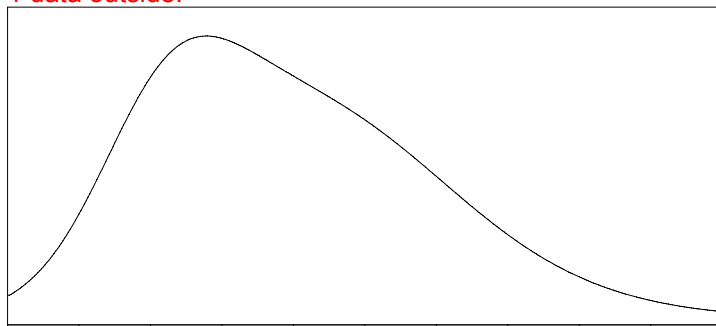
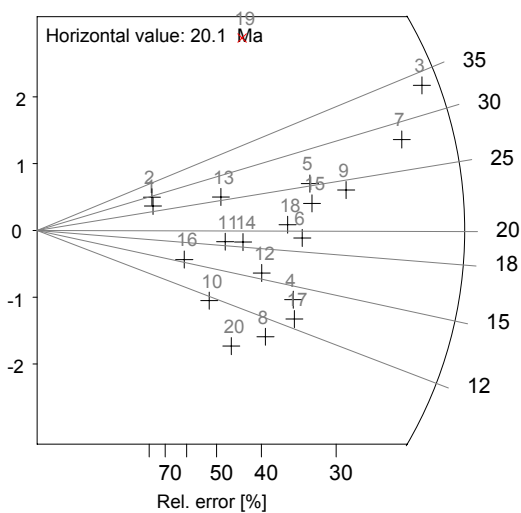
Nd: 8273 **RhoD:** 8.53

Zeta: 313.2 ± 11.96 **U.:** 47.15 (± 46 %)

Goodness: n. d.



1 data outside! kurt.: -0.95 skew.: 0.14



Grece G11 Socle métam .
 20 Apatite crystals Sum. Ns: 170 Sum. Ni: 1127
 Zeta: 313.2 +- 11.96 Micr. grid.: 100
 Glass: CN_5 Irrad. code: R-18-1B RhoD: 8.53 Nd: 8273

Cryst	Ns	Ni	A	RhoS	Rhol	Age +- 1s	Uran.
1	2	10	9	2.222	11.111	26.66	20.68 14.981
2	2	9	12	1.667	7.500	29.62	23.18 10.112
3	23	92	16	14.375	57.500	33.31	7.88 77.525
4	9	86	16	5.625	53.750	13.96	4.92 72.469
5	11	58	15	7.333	38.667	25.28	8.38 52.133
6	10	69	15	6.667	46.000	19.33	6.59 62.020
7	20	95	15	13.333	63.333	28.06	6.99 85.390
8	7	87	15	4.667	58.000	10.74	4.24 78.199
9	14	78	30	4.667	26.000	23.93	7.01 35.055
10	4	46	18	2.222	25.556	11.61	6.07 34.456
11	5	36	15	3.333	24.000	18.53	8.87 32.358
12	7	60	16	4.375	37.500	15.57	6.25 50.560
13	5	26	15	3.333	17.333	25.64	12.56 23.370
14	6	43	12	5.000	35.833	18.61	8.14 48.313
15	11	64	20	5.500	32.000	22.92	7.54 43.144
16	3	26	12	2.500	21.667	15.39	9.41 29.212
17	9	95	20	4.500	47.500	12.64	4.44 64.042
18	9	58	24	3.750	24.167	20.69	7.46 32.583
19	8	45	6	8.889	16.667	79.85	34.45 89.471
20	5	74	20	2.500	37.000	9.02	4.18 49.886

Apatite

Grece
G13

Gneiss

Agathe

Cryst.: Area:

7 119

Ns: RhoS:
23 1.933

Ni: RhoI:
101 8.487

Pooled: 0.228 30.8 ± 7.2

Mean: 0.241 32.6 ± 3.5

Central: 0.228 30.8 ± 7.2

Weigh.I: 0.239 32.3

Weigh.II: 0.24 32.6

Chi-sq.: 1.28 **P (%)**: 97.3

Dispersion: 0.00

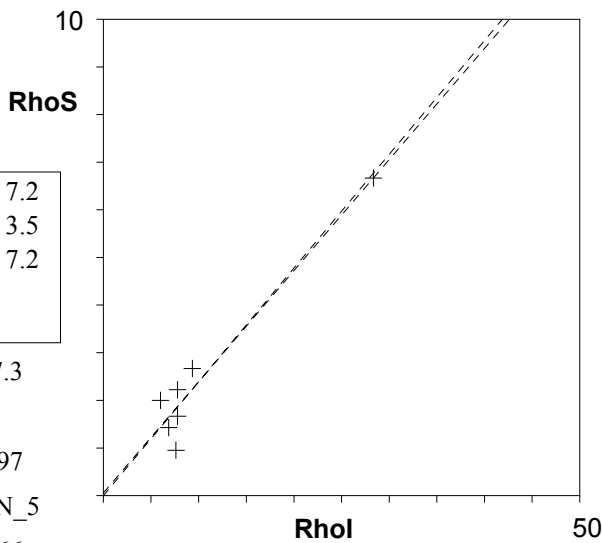
a: 0.058 **b:** 0.233 **r:** 0.97

Irr.: R-18-1B **Glass:** CN_5

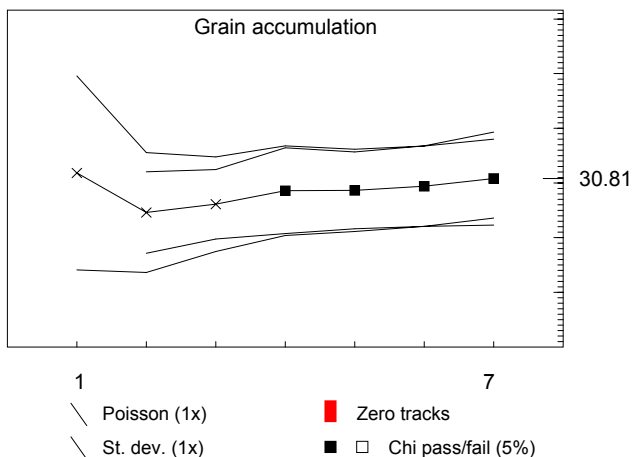
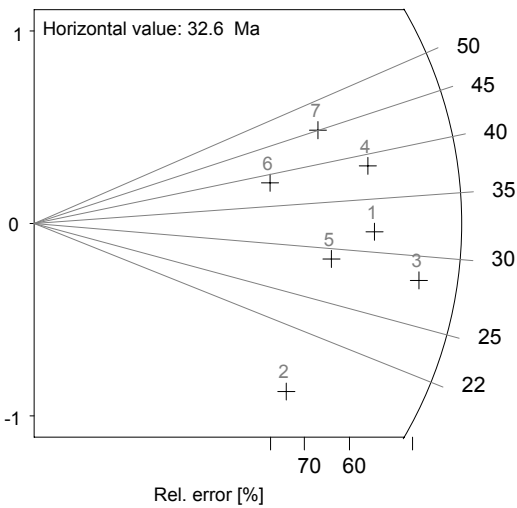
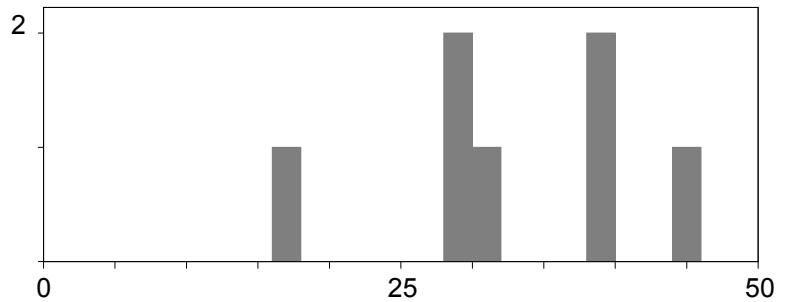
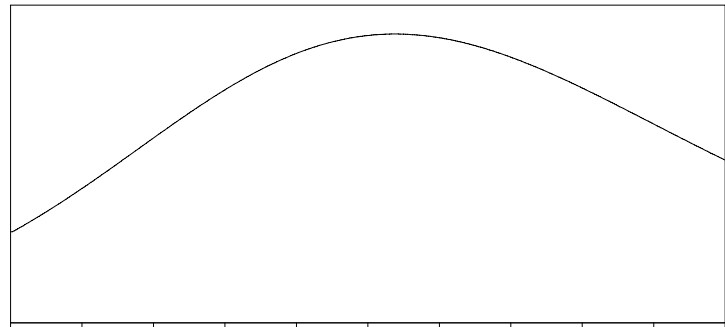
Nd: 8273 **RhoD:** 8.66

Zeta: 313.2 ± 11.96 **U.:** 13.98 (± 75 %)

Goodness: n. d.



kurt.: 0.34 skew.: -0.49



1 7

\ Poisson (1x) ■ Zero tracks

\ St. dev. (1x) ■ □ Chi pass/fail (5%)

Grece G13 Gneiss .
 7 Apatite crystals Sum. Ns: 23 Sum. Ni: 101
 Zeta: 313.2 +- 11.96 Micr. grid.: 100
 Glass: CN_5 Irrad. code: R-18-1B RhoD: 8.66 Nd: 8273

Cryst	Ns	Ni	A	RhoS	Rhol	Age +- 1s	Uran.
1	4	17	6	6.667	28.333	31.83	17.73 37.627
2	2	16	21	.952	7.619	16.93	12.72 10.118
3	5	24	35	1.429	6.857	28.19	13.90 9.106
4	4	14	15	2.667	9.333	38.63	21.96 12.395
5	3	14	18	1.667	7.778	29.00	18.48 10.329
6	2	7	9	2.222	7.778	38.63	31.01 10.329
7	3	9	15	2.000	6.000	45.05	30.08 7.968

Apatite

Grece
G14b

Sediment

Agathe

Cryst.: Area:

50 1073

Ns: RhoS:
957 8.919

Ni: RhoI:
3979 37.083

Pooled:	0.241	33.5 ± 1.8
Mean:	0.29	40.4 ± 3.6
Central:	0.261	36.4 ± 3.1
Weigh.I:	0.247	34.4
Weigh.II:	0.29	40.8

Chi-sq.: 202.56 **P (%)**: 0.0

Dispersion: 0.46

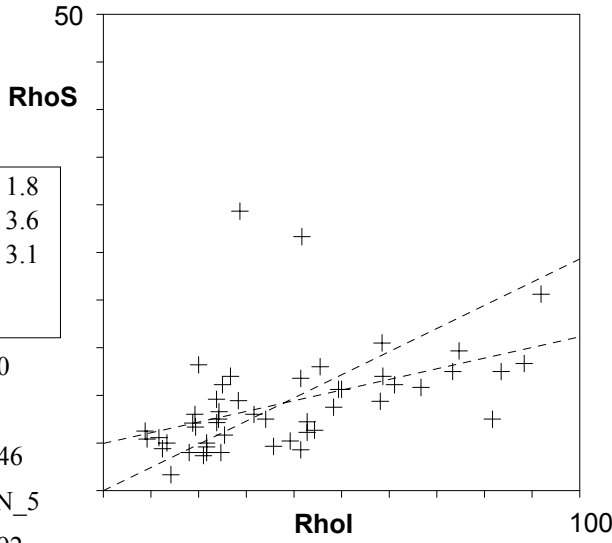
a: 4.96 **b:** 0.112 **r:** 0.46

Irr.: R-18-1B **Glass:** CN_5

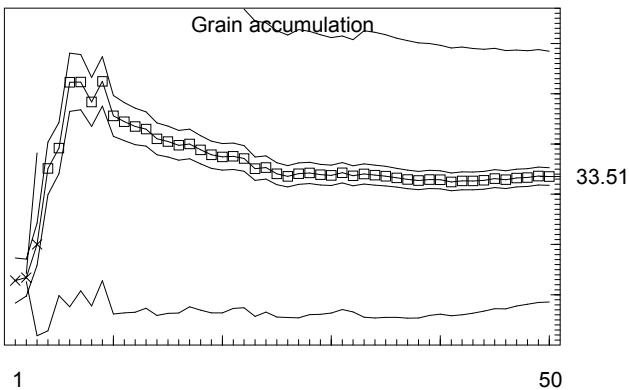
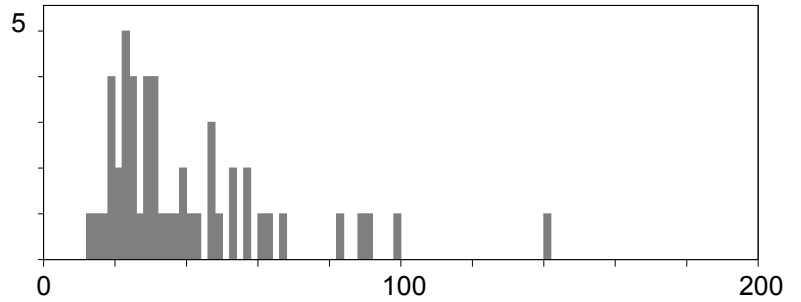
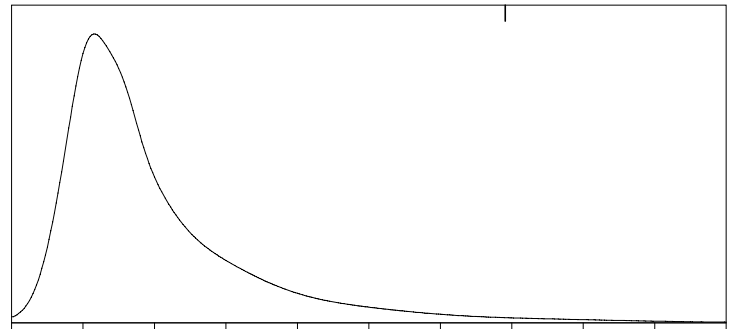
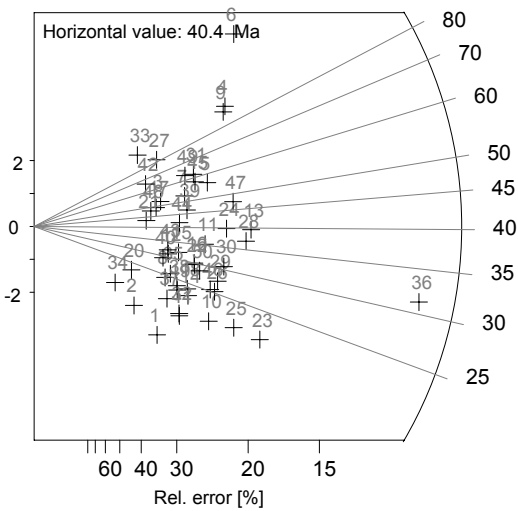
Nd: 8273 **RhoD:** 8.92

Zeta: 313.2 ± 11.96 **U.:** 48.74 (± 58%)

Goodness: n. d.



kurt.: 4.54 skew.: 1.91



- Poisson (1x)
- St. dev. (1x)
- Zero tracks
- Chi pass/fail (5%)

Grece G14b Sediment .

50 Apatite crystals Sum. Ns: 957 Sum. Ni: 3979

Zeta: 313.2 +- 11.96 Micr. grid.: 100

Glass: CN_5 Irrad. code: R-18-1B RhoD: 8.92 Nd: 8273

Cryst	Ns	Ni	A	RhoS	Rhol	Age	+ - 1s	Uran.
1	9	98	12	7.500	81.667	12.82	4.49	105.294
2	6	58	14	4.286	41.429	14.43	6.22	53.414
3	12	32	24	5.000	13.333	52.17	17.78	17.191
4	33	50	25	13.200	20.000	91.54	20.85	25.786
5	23	57	24	9.583	23.750	56.12	14.04	30.621
6	44	43	15	29.333	28.667	141.37	30.83	36.960
7	17	45	24	7.083	18.750	52.56	15.11	24.175
8	11	63	30	3.667	21.000	24.34	8.01	27.076
9	32	50	12	26.667	41.667	88.79	20.41	53.721
10	19	133	30	6.333	44.333	19.92	4.95	57.159
11	20	79	25	8.000	31.600	35.27	8.94	40.742
12	12	54	30	4.000	18.000	30.97	9.96	23.208
13	33	116	28	11.786	41.429	39.62	7.97	53.414
14	15	93	16	9.375	58.125	22.49	6.32	74.941
15	14	61	24	5.833	25.417	31.98	9.56	32.770
16	17	79	16	10.625	49.375	29.99	8.11	63.660
17	11	31	25	4.400	12.400	49.38	17.44	15.987
18	15	88	12	12.500	73.333	23.77	6.71	94.549
19	13	80	12	10.833	66.667	22.66	6.84	85.954
20	6	37	15	4.000	24.667	22.61	9.99	31.803
21	9	29	12	7.500	24.167	43.21	16.58	31.158
22	17	80	16	10.625	50.000	29.62	8.00	64.466
23	32	212	24	13.333	88.333	21.05	4.08	113.889
24	26	91	20	13.000	45.500	39.79	8.99	58.664
25	25	167	20	12.500	83.500	20.88	4.55	107.657
26	21	116	24	8.750	48.333	25.24	6.07	62.317
27	13	22	24	5.417	9.167	82.02	28.88	11.819
28	31	117	20	15.500	58.500	36.91	7.60	75.425
29	22	112	15	14.667	74.667	27.38	6.48	96.269
30	24	109	32	7.500	34.063	30.68	7.03	43.917
31	20	45	18	11.111	25.000	61.79	16.79	32.233
32	13	98	25	5.200	39.200	18.50	5.51	50.541
33	10	14	16	6.250	8.750	99.01	41.18	11.281
34	4	34	24	1.667	14.167	16.41	8.70	18.265
35	12	65	30	4.000	21.667	25.74	8.15	27.935
36	99	441	48	20.625	91.875	31.28	3.69	118.455
37	11	77	18	6.111	42.778	19.92	6.47	55.154
38	13	77	18	7.222	42.778	23.54	7.12	55.154
39	17	51	18	9.444	28.333	46.40	13.12	36.530
40	11	52	24	4.583	21.667	29.48	9.85	27.935
41	13	100	28	4.643	35.714	18.13	5.39	46.047
42	10	21	18	5.556	11.667	66.18	25.56	15.042
43	12	52	24	5.000	21.667	32.16	10.38	27.935
44	15	50	21	7.143	23.810	41.77	12.41	30.698
45	20	48	25	8.000	19.200	57.94	15.59	24.755
46	20	110	18	11.111	61.111	25.35	6.24	78.791
47	29	85	35	8.286	24.286	47.48	10.38	31.312
48	10	29	15	6.667	19.333	47.99	17.70	24.927
49	18	40	15	12.000	26.667	62.55	17.93	34.382
50	18	88	15	12.000	58.667	28.51	7.46	75.640

Apatite

Grece
G16a+b

Sedimentaire

Agathe

Cryst.: Area:

23 823

Ns: RhoS:

177 2.151

Ni: Rhol:

1512 18.372

Pooled: 0.117 22.0 ± 2.0

Mean: 0.212 39.9 ± 6.9

Central: 0.163 30.7 ± 4.7

Weigh.I: 0.13 24.5

Weigh.II: 0.20 37.0

Chi-sq.: 91.74 **P (%):** 0.0

Dispersion: 0.58

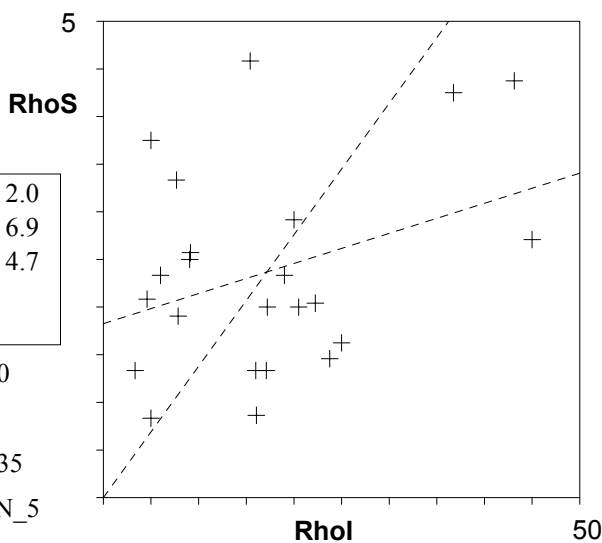
a: 1.826 **b:** 0.032 **r:** 0.35

Irr.: R-18-1-A **Glass:** CN_5

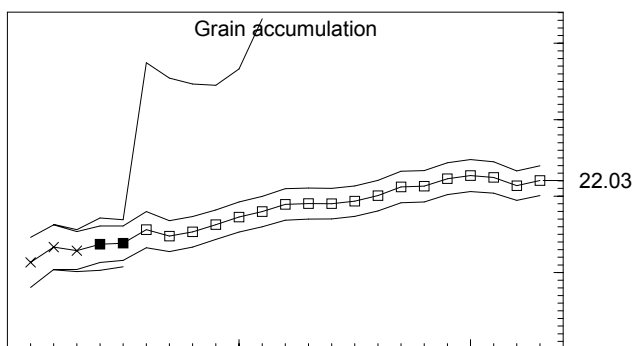
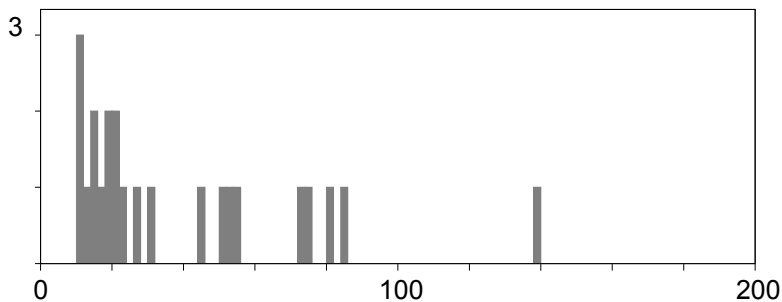
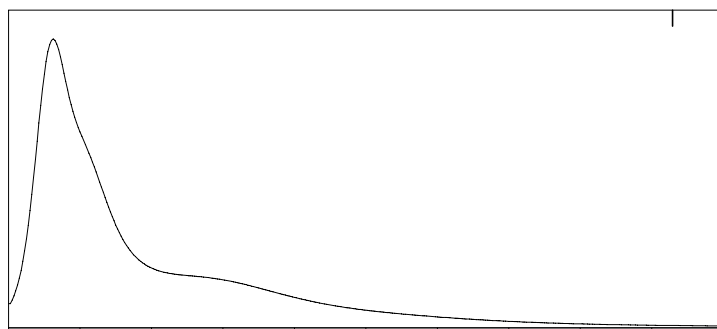
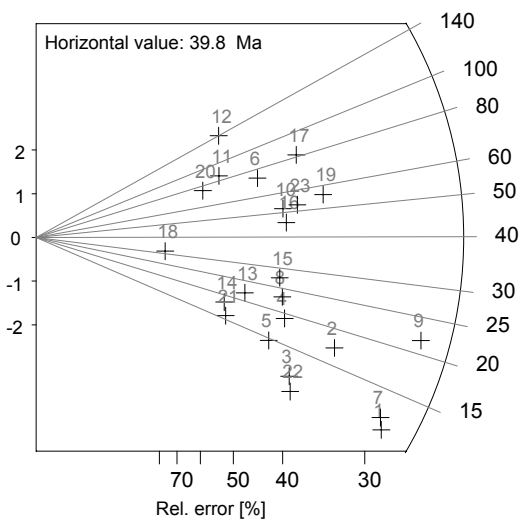
Nd: 12392 **RhoD:** 12.04

Zeta: 313.2 ± 11.96 **U.:** 16.4 (± 69%)

Goodness: n. d.



kurt.: 2.40 skew.: 1.51



- 1 \ Poisson (1x)
- 1 \ St. dev. (1x)
- Zero tracks
- Chi pass/fail (5%)

Grece G16a+b Sedimentaire .
23 Apatite crystals Sum. Ns: 177 Sum. Ni: 1512
Zeta: 313.2 +- 11.96 Micr. grid.: 100
Glass: CN_5 Irrad. code: R-18-1-A RhoD: 12.04 Nd: 12392

Cryst	Ns	Ni	A	RhoS	Rhol	Age	+ - 1s	Uran.
1	13	216	48	2.708	45.000	11.34	3.27	42.984
2	10	109	49	2.041	22.245	17.27	5.75	21.248
3	7	114	48	1.458	23.750	11.57	4.53	22.686
4	7	69	16	4.375	43.125	19.10	7.61	41.193
5	6	77	45	1.333	17.111	14.68	6.25	16.345
6	7	18	30	2.333	6.000	72.91	32.60	5.731
7	13	200	80	1.625	25.000	12.24	3.54	23.880
8	7	57	30	2.333	19.000	23.11	9.30	18.149
9	17	147	40	4.250	36.750	21.77	5.64	35.104
10	8	29	32	2.500	9.063	51.80	20.79	8.657
11	5	11	24	2.083	4.583	85.14	46.04	4.378
12	6	8	16	3.750	5.000	139.88	75.74	4.776
13	5	43	25	2.000	17.200	21.89	10.38	16.430
14	4	41	20	2.000	20.500	18.37	9.65	19.582
15	7	48	24	2.917	20.000	27.44	11.15	19.104
16	8	33	42	1.905	7.857	45.55	18.04	7.505
17	10	23	30	3.333	7.667	81.46	31.02	7.323
18	2	12	24	.833	5.000	31.35	23.97	4.776
19	11	37	24	4.583	15.417	55.81	19.29	14.726
20	4	10	30	1.333	3.333	74.98	44.46	3.184
21	4	48	30	1.333	16.000	15.69	8.19	15.283
22	7	130	81	.864	16.049	10.14	3.96	15.330
23	9	32	35	2.571	9.143	52.81	20.03	8.733