Datafile: C:\Users\ablythe\Desktop\HG-4.fta
Title: Sample HG-4, Haida Gwai, CN-5 glass for monitor

NEW PARAMETERS - ZETA METHOD

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2): 1.50E+06
RELATIVE ERROR (%): 1.57
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm): 46.10
ZETA FACTOR AND STANDARD ERROR (yr cm^2): 359.00   10.00
SIZE OF COUNTER SQUARE (cm^2): 6.40E-07

GRAIN AGES IN ORIGINAL ORDER

Grain no.	RhoS (cm^-2)	(Ns)	RhoI (cm^-2)	(Ni)	Squares	U+/-2s	Age	Grain Age (Ma) --95% CI--	
1	1.25E+05	(4)	3.75E+06	(120)	50	115 21	9.3	2.4	23.6
2	1.56E+05	(5)	3.84E+06	(123)	50	118 22	11.3	3.5	26.2
3	3.13E+04	(1)	3.09E+06	(99)	50	95 19	3.1	0.1	15.5
4	9.38E+04	(3)	2.44E+06	(78)	50	75 17	10.9	2.1	31.4
5	1.25E+05	(4)	2.81E+06	(90)	50	86 18	12.4	3.2	31.7
6	1.88E+05	(6)	3.41E+06	(109)	50	105 20	15.2	5.3	33.3
7	1.79E+05	(4)	5.27E+06	(118)	35	162 30	9.5	2.4	24.0
8	1.88E+05	(6)	3.31E+06	(106)	50	102 20	15.6	5.5	34.2
9	1.88E+05	(6)	4.47E+06	(143)	50	137 23	11.6	4.1	25.2
10	1.56E+05	(5)	2.53E+06	(81)	50	78 17	17.1	5.3	40.3
11	4.46E+04	(1)	3.97E+06	(89)	35	122 26	3.5	0.1	17.3
12	2.17E+05	(5)	3.78E+06	(87)	36	116 25	15.9	4.9	37.4
13	1.88E+05	(3)	3.19E+06	(51)	25	98 27	16.6	3.2	48.8
14	1.56E+05	(5)	3.25E+06	(104)	50	100 20	13.3	4.1	31.1
15	6.25E+04	(2)	2.50E+06	(80)	50	77 17	7.2	0.8	25.1
16	1.56E+05	(5)	3.00E+06	(96)	50	92 19	14.4	4.4	33.8
17	1.88E+05	(6)	3.50E+06	(112)	50	108 21	14.8	5.2	32.3
18	1.25E+05	(2)	4.44E+06	(71)	25	136 33	8.2	0.9	28.4
19	6.25E+04	(1)	2.25E+06	(36)	25	69 23	8.5	0.2	44.3
20	1.88E+05	(3)	3.81E+06	(61)	25	117 30	13.9	2.7	40.5
POOLED	1.41E+05	(77)	3.38E+06	(1854)	856	104 6	11.2	8.8	14.1

CHI^2 PROBABILITY (%): 97.3
 >>> Beware: possible upward bias in Chi^2 probability due to low counts <<<

 POOLED AGE W/ 68% CONF. INTERVAL(Ma): 11.2, 9.9 -- 12.6 (-1.3 +1.4)
        95% CONF. INTERVAL(Ma):   8.8 -- 14.1 (-2.3 +3.0)

CENTRAL AGE W/ 68% CONF. INTERVAL(Ma): 11.2, 9.9 -- 12.6 (-1.3 +1.4)
        95% CONF. INTERVAL(Ma):   8.8 -- 14.1 (-2.4 +3.0)
          AGE DISPERSION (%):   0.2

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FIT OPTION: Best-fit peaks using the binomial model of Galbraith and Green

INITIAL GUESS FOR MODEL PARAMETERS (number of peaks to fit = 1)

Peak #.	Peak Age	Theta	Fraction(%)	Count
1.	11.20	0.040	30.1	6.03

Total range for grain ages: 4.1 to 18.3 Ma
Number of active grains (Num. used for fit):   20
Number of removed grains: 0
Degrees of freedom for fit: 19
Average of the SE(Z)'s for the grains: 0.55
Estimated width of peaks in PD plot in Z units: 0.64

PARAMETERS FOR BEST-FIT PEAKS

* *Standard error for peak age includes group error*
* *Peak width is for PD plot assuming a kernel factor = 0.60*

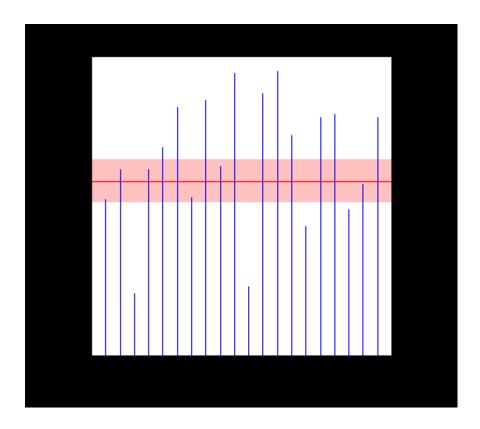| #.	Peak Age(Ma)	68%CI	95%CI	W(Z)	Frac(%)	SE,%	Count
1.	11.2	-1.3 ...+1.4	-2.4 ...+3.0	0.61	100.0	0.0	20.0

Log-likelihood for best fit: -35.910
Chi-squared value for best fit: 9.034
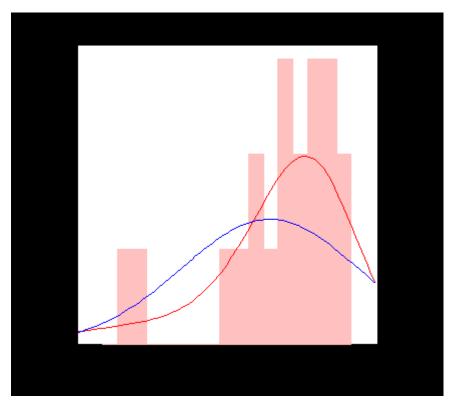Reduced chi-squared value: 0.475
Probability for F test: 0%
Condition number for COVAR matrix: 1.00
Number of iterations: 5

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