Datafile: C:\Users\ablythe\Desktop\Ann-2019 samples\HG-2.fta
Title: Sample HG-2, Haida Gwai, CN-5 glass for monitor

NEW PARAMETERS - ZETA METHOD

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2): 1.53E+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		Grain Age	Age --95% CI-- (Ma)	
1	0.00E+00	(0)	3.13E+05	(10)	50	9	6	19.7	0.7	121.4
2	3.13E+04	(1)	1.66E+06	(53)	50	50	14	5.9	0.1	30.1
3	6.25E+04	(2)	8.75E+05	(28)	50	26	10	21.0	2.3	77.4
4	6.25E+04	(2)	1.81E+06	(58)	50	55	14	10.2	1.1	35.7
5	6.25E+04	(2)	1.28E+06	(41)	50	39	12	14.4	1.6	51.4
6	3.13E+04	(1)	5.94E+05	(19)	50	18	8	16.4	0.3	90.4
7	0.00E+00	(0)	9.06E+05	(29)	50	27	10	6.6	0.2	37.2
8	6.25E+04	(2)	1.69E+06	(54)	50	51	14	10.9	1.2	38.5
9	6.25E+04	(2)	1.34E+06	(43)	50	40	12	13.7	1.5	48.9
10	0.00E+00	(0)	1.53E+06	(49)	50	46	13	3.9	0.1	21.5
11	6.25E+04	(2)	1.41E+06	(45)	50	42	13	13.1	1.4	46.6
12	3.13E+04	(1)	6.25E+05	(20)	50	19	8	15.6	0.3	85.3
13	6.25E+04	(1)	1.88E+06	(30)	25	56	21	10.4	0.2	54.9
14	1.25E+05	(2)	1.88E+06	(30)	25	56	21	19.6	2.1	71.8
15	0.00E+00	(0)	7.50E+05	(24)	50	23	9	8.0	0.3	45.5
16	5.21E+04	(1)	1.04E+06	(20)	30	31	14	15.6	0.3	85.3
17	6.25E+04	(1)	3.13E+05	(5)	25	9	8	60.7	1.2	473.3
18	6.25E+04	(2)	1.38E+06	(44)	50	41	12	13.4	1.5	47.7
19	6.25E+04	(1)	1.50E+06	(24)	25	45	18	13.0	0.3	69.8
20	3.13E+04	(1)	1.06E+06	(34)	50	32	11	9.2	0.2	48.0
POOLED	4.26E+04	(24)	1.17E+06	(660)	880	35	3	10.0	6.3	15.0

CHI^2 PROBABILITY (%): 95.2
 >>> Beware: possible upward bias in Chi^2 probability due to low counts <<<

 POOLED AGE W/ 68% CONF. INTERVAL(Ma): 10.0, 7.9 -- 12.5 (-2.1 +2.5)
          95% CONF. INTERVAL(Ma):   6.3 -- 15.0 (-3.7 +5.0)

CENTRAL AGE W/ 68% CONF. INTERVAL(Ma): 10.0, 8.1 -- 12.3 (-1.9 +2.3)
          95% CONF. INTERVAL(Ma):   6.6 -- 15.1 (-3.4 +5.1)
             AGE DISPERSION (%):   0.1

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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.	10.00	0.035	16.8	3.35

Total range for grain ages: 2.8 to 74.5 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: 0.93
Estimated width of peaks in PD plot in Z units: 1.09

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.	10.0	-1.9 ...+2.3	-3.4 ...+5.1	1.08	100.0	0.0	20.0

Log-likelihood for best fit: -24.166
Chi-squared value for best fit: 10.029
Reduced chi-squared value: 0.528
Probability for F test: 0%
Condition number for COVAR matrix: 1.00
Number of iterations: 5

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