

Data Repository item 2004023

APPENDIX A

List describing the location and geologic setting for new samples dated reported in paper.

FORMAT:

Lab# Field# (Latitude, Longitude) Locality description. Elevation.

6 V312 ($47^{\circ} 47.61'$, $-123^{\circ} 45.44'$) Sandstone from unit Two of the Western Olympic assemblage (Tabor and Cady, 1978b). Collected by R.J. Stewart from summit of Mount Tom at about 7048 feet (2148 m). Elev = 7048 ft {2148 m}. Zircon FT age published in Brandon and Vance (1992).

22 8782-2 ($47^{\circ} 33.38'$, $-123^{\circ} 40.05'$) Sandstone from unit Tur (Tabor and Cady, 1978b). Collected 2.9 km south on the road from the North Fork Ranger Station from an outcrop on the west side of a road. Unit Tur represents an undifferentiated part of the OSC which we tentatively include with the Western Olympic assemblage. Elev = 510 ft {155 m}. Zircon FT age published in Brandon and Vance (1992).

37 ARC88-15 ($47^{\circ} 53.57'$, $-124^{\circ} 37.79'$) Massive sandstone of the Hoh assemblage. Collected at Second Beach, south of La Push. Outcrop is located at the north end of the beach in unit Ths of Rau (1979). Vitrinite = ~0.7%. Elev = 0 ft {0 m}.

38 ARC88-16 ($47^{\circ} 50.80'$, $-124^{\circ} 12.15'$) Sandstone from unit Two of the Western Olympic assemblage (Tabor and Cady, 1978b). Collected southeast of Forks on logging road H3200. Vitrinite = ~0.9% (?). Approx. elev = 1665 ft {508 m}. Zircon FT age published in Brandon and Vance (1992).

41 ARC88-19 ($47^{\circ} 45.61'$, $-124^{\circ} 10.30'$) Poorly indurated lithic sandstone from the Hoh Assemblage on Mount Octopus, collected on road H1100. Mapped as a conglomeratic interval, but no conglomerate was seen there. Vitrinite = ~1.3%. Elev = 1680 ft {512 m}.

42a 92JG62 ($47^{\circ} 38.38'$, $-124^{\circ} 23.12'$) Sandstone from coherent turbidites of the Hoh assemblage (unit Ths of Rau, 1975). Collected along the coast north of Kalaloch at Browns Point. Vitrinite = ~0.7%. Elev = 0 ft {0 m}.

42b ARC88-20 ($47^{\circ} 38.38'$, $-124^{\circ} 23.12'$) Sandstone from coherent turbidites of the Hoh assemblage (unit Ths of Rau, 1975). Collected along the coast north of Kalaloch at Browns Point. Vitrinite = ~0.7%. Elev = 0 ft {0 m}.

44 ARC88-22 ($47^{\circ} 29.08'$, $-123^{\circ} 57.55'$) Sandstone from unit Tur (Tabor and Cady, 1978b). Collected on USFS Road #2460 west of Quinault Lake. Unit Tur represents an undifferentiated part of the OSC which we tentatively include with the Western Olympic assemblage. Vitrinite = ~1.5%. Elev = 600 ft {183 m}. Zircon FT age published in Brandon and Vance (1992).

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- 50** **88921** ($47^{\circ} 52.55'$, $-123^{\circ} 41.60'$) Sandstone from unit Twog ("green sandstone") of the Western Olympic assemblage (Tabor and Cady, 1978b). Collected by D. Coffey from an outcrop on the south side of the Hoh River bridge at the confluence of Glacier Creek and Hoh River. Elev = 1340 ft {408 m}. Zircon FT age published in Brandon and Vance (1992).
- 53** **88108** ($47^{\circ} 47.21'$, $-123^{\circ} 49.49'$) Sandstone of the Western Olympic assemblage. (Two of Tabor and Cady, 1978a). Collected from false summit of Hoh Peak. Elev = 5250 ft {1585 m}. Zircon FT age published in Brandon and Vance (1992).
- 108** **92JG-08** ($47^{\circ} 18.28'$, $-124^{\circ} 15.25'$) Thin-bedded sandstone from Hoh Assemblage at beach south of Point Grenville (Thsr of Tabor and Cady, 1978a). Elev = 0 ft {0 m}.
- 117** **92JG-68** ($47^{\circ} 47.46'$, $-124^{\circ} 28.86'$) Undifferentiated sandstone of the Hoh Assemblage collected 2.5 km north of Hoh Head (Thsu of Tabor and Cady, 1978a; shown as a sheared mélange on their map). Note that Hoh Head itself is mapped as Western Olympic Assemblage (Two of Tabor and Cady, 1978a). Vitrinite = ~0.8%. Elev = 0 ft {0 m}.
- 118** **92JG-70** ($47^{\circ} 45.54'$, $-124^{\circ} 26.99'$) Undifferentiated sandstone of the Hoh Assemblage collected about 2 km south of Hoh Head (Thsu of Tabor and Cady, 1978a; shown as a sheared mélange on their map). Vitrinite = 0.6%. Elev = 0 ft {0 m}.
- 140** **RS91-64** ($47^{\circ} 00.80'$, $-123^{\circ} 56.13'$) Crystal tuff from Prairie Creek quarry, Lake Quinault. Collected from "Broken Formation of Higley Peak" (mapped as basalt, Tb, within undifferentiated Tertiary, Tur, by Tabor and Cady, 1978a, but may belong to the Western Olympic Assemblage). Elev = 2040 ft {622 m}.
- 142** **RS91-66** ($47^{\circ} 44.63'$, $-123^{\circ} 57.13'$) Sandstone from Road 2070 in the upper Clearwater River area. Collected from "Sedimentary Rocks of Huelsdonk Ridge" of Western Olympic Assemblage (unit Twot of Tabor and Cady, 1978a). Elev = 2820 ft {860 m}.
- 143** **RS91-72** ($47^{\circ} 40.40'$, $-124^{\circ} 01.33'$) Yahoo Lake tuff from Higley Peak area, north of Lake Quinault. Collected from "Broken Formation of Higley Peak" (mapped as undifferentiated Tertiary, Tur, by Tabor and Cady, 1978a, but this unit may be part of the Western Olympic Assemblage). Sample is equivalent to Vance sample number: V542. Elev = 2400 ft {732 m}.
- 148** **RS91-98** ($47^{\circ} 48.13'$, $-123^{\circ} 59.30'$) Sandstone from Huelsdonk Ridge. Collected from "Sedimentary Rocks of Huelsdonk Ridge" of Western Olympic Assemblage (unit Two of Tabor and Cady, 1978a). Elev = 2860 ft {872 m}.
- 149** **RS91-99** ($47^{\circ} 44.92'$, $-123^{\circ} 56.63'$) Sandstone from northeast end of Road 2070 in the upper Clearwater River area. Collected from "Sedimentary Rocks of Huelsdonk Ridge" (mapped as undifferentiated Tertiary, Tur, by Tabor and Cady, 1978a, but may be part of the Western Olympic Assemblage). Elev = 2910 ft {887 m}.

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150 RS92-7 ($47^{\circ} 44.10'$, $-124^{\circ} 01.60'$) Airfall? tuff from Road 2040 off Clearwater River Road. Collected from Sedimentary Rocks of Huelsdonk Ridge" of the Hoh Assemblage (unit Thts of Tabor and Cady, 1978a). Elev = 1390 ft {424 m}.

151 RS93-3 ($47^{\circ} 47.80'$, $-124^{\circ} 08.62'$) Sandstone from Red Creek quarry on south side of the Hoh River and east of log-sorting yards for Allen Logging Company. Collected from uncertain unit, either the "Sedimentary Rocks of Mount Octopus" or the "Broken Formation of Spruce Mountain". Mapped as Western Olympic Assemblage (unit Twot of Tabor and Cady, 1978a). Elev = 510 ft {155 m}.

152 RS93-4 ($47^{\circ} 42.87'$, $-123^{\circ} 59.83'$) Sandstone from Clearwater Summit, between the Clearwater and Solleks Rivers. Collected from "Sedimentary Rocks of Mount Octopus" (mapped as undifferentiated Tertiary, Tur, by Tabor and Cady, 1978a, but may be part of the Western Olympic Assemblage). Elev = 2700 ft {823 m}.

154 RS93-22 ($47^{\circ} 49.25'$, $-124^{\circ} 05.53'$) Sandstone from Fletchers quarry (Fletcher is a relative of J. Huelsdonk; everyone in the western Olympics is related to J. Huelsdonk). North side of Hoh River near Lewis Ranch (also Hoh Pioneers). Collected from uncertain unit, but probably correlative to the "Broken Formation of Spruce Mountain". Mapped as Western Olympic Assemblage (unit Two of Tabor and Cady, 1978a). Elev = 840 ft {256 m}.

155 RS93-24 ($47^{\circ} 45.92'$, $-123^{\circ} 58.13'$) Sandstone from Owl Mountain. Collected from "Sedimentary Rocks of Huelsdonk Ridge" of the Western Olympic Assemblage (unit Two of Tabor and Cady, 1978a). Elev = 2960 ft {902 m}.

156 RS93-50 ($47^{\circ} 44.30'$, $-123^{\circ} 56.40'$) Sandstone from new log road east of the northeast end of 2070 Road, in the upper Clearwater River area. Collected from "Sedimentary Rocks of Huelsdonk Ridge" (mapped as undifferentiated Tertiary, Tur, by Tabor and Cady, 1978a, but may be part of the Western Olympic Assemblage). Elev = 2760 ft {841 m}.

157 RS93-56 ($47^{\circ} 48.17'$, $-123^{\circ} 58.50'$) Sandstone from east of South Fork Hoh Campground. Collected from uncertain unit. Mapped as Western Olympic Assemblage (unit Two of Tabor and Cady, 1978a). Elev = 1440 ft {439 m}.

162 RS94-15 ($47^{\circ} 40.60'$, $-124^{\circ} 10.07'$) Sandstone from Snahapish River. Collected from "Sedimentary Rocks of Mount Octopus" of the Hoh Assemblage (unit Thsr of Tabor and Cady, 1978a). Elev = 460 ft {140 m}.

163 RS94-18 ($47^{\circ} 42.87'$, $-123^{\circ} 54.55'$) Sandstone from northeast of Sollecks River Ridge. First appearance of pencil cleavage in rocks on west side of massif. Mapped as undifferentiated Tertiary, Tur, by Tabor and Cady, (1978a), but may be part of the Western Olympic Assemblage. Elev = 2880 ft {878 m}.

168 RS95-5 ($47^{\circ} 39.90'$, $-124^{\circ} 17.73'$) Sandstone from Kalaloch Creek Loop, east of Kalaloch, on ridge between Kalaloch Creek and the east fork of Kalaloch Creek. Collected from "Sedimentary Rocks of Kalaloch Creek" of the Hoh Assemblage (unit Thts of Tabor and Cady,

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1978a). Provides age control for Relesian-age sediments of W. Rau. Elev = 1020 ft {311 m}. Vitrinite = ~0.8%.

170 RS95-13 ($47^{\circ} 44.83'$, $-124^{\circ} 06.00'$) Sandstone from Dry Creek, east of prison. Collected from “Sedimentary Rocks of Huelsdonk Ridge” of the Western Olympic Assemblage (unit Twos of Tabor and Cady, 1978a). Elev = 1560 ft {475 m}.

171 RS95-15 ($47^{\circ} 48.13'$, $-123^{\circ} 59.30'$) Sandstone from quarry about 1 km east of the South Fork Hoh Campground. Collected from Western Olympic Assemblage (unit Two of Tabor and Cady, 1978a). Elev = 540 ft {165 m}.

173 RS95-18A ($47^{\circ} 42.87'$, $-124^{\circ} 24.63'$) Sample from conglomerate on mainland coast opposite Abbey Island. Mapped as “Breccia and Conglomerate of Cape Flattery” (unit Tlb of Tabor and Cady, 1978a). Elev = 0 ft {0 m}.

175 RS96-627 ($47^{\circ} 53.83'$, $-124^{\circ} 37.63'$) Sandstone from first outcrop on First Beach, south of La Push. Collected from mélange. Mapped as undifferentiated Tertiary, Tur, by Tabor and Cady (1978a), but may be part of the Western Olympic Assemblage. Elev = 0 ft {0 m}.

176 RS96-630 ($47^{\circ} 51.87'$, $-124^{\circ} 33.50'$) Sandstone from near trailhead to Scotts Bluff Shelter. Collected from mélange. Mapped as undifferentiated Tertiary, Tur, by Tabor and Cady (1978a), but may be part of the Western Olympic Assemblage. Elev = 0 ft {0 m}.

178 RS93-49 ($47^{\circ} 43.39'$, $-123^{\circ} 59.42'$) Excellent sample of “greensand” from near end of C3600 on south side of upper Clearwater River. This is a prominent “greensand” ridge, which may extend northward to “conglomerate” in Clearwater River at C3700 access road, and be part of unit with quartz veins and slaty cleavage at the slate quarry immediately north of the name “Clearwater” on Kloochman Rock 7.5’ quad. This is Snavely’s unit Tes north of the Clearwater River fault. Mapped as undifferentiated Tertiary (unit Tur) by Tabor and Cady (1978a). Elev = 2240 ft {683 m}.

182 RS94-17 ($47^{\circ} 42.21'$, $-123^{\circ} 56.54'$) Sandstone from ridge above East Fork of Solleks River, Kloochman Rock 7.5’ quad. Mapped as undifferentiated Tertiary (unit Tur) by Tabor and Cady (1978a). Elev = 3070 ft {935 m}.

183 RS97-13 ($47^{\circ} 41.29'$, $-124^{\circ} 05.21'$) Sandstone from south abutment of the Solleks River bridge, Stequaleho Creek 7.5’ quad. Locality is apparently to the south and to the west of vitrinite sample B2 ($R_o = 2.08$) of Snavely and Kvenvolden (1989). Mapped as Hoh Lithic Assemblage (unit Thsr) by Tabor and Cady (1978a). Elev = 600 ft {183 m}.

184 RS94-19 ($47^{\circ} 42.74'$, $-123^{\circ} 54.97'$) Sandstone from ridge above East Fork of Solleks River, Kloochman Rock 7.5’ quad. Slope to east toward RS94-18 is argillite with well developed pencil cleavage. Mapped as undifferentiated Tertiary (unit Tur) by Tabor and Cady (1978a). Elev = 3030 ft {925 m}.

185 RS94-21 ($47^{\circ} 43.62'$, $-123^{\circ} 54.60'$) Sandstone from argillite slope on ridge at headwaters

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of South Fork of Clearwater River, Kloochman rock 7.5' quad. Mapped as undifferentiated Tertiary (unit Tur) by Tabor and Cady (1978a). Elev = 2670 ft {815 m}.

186 RS94-22 ($47^{\circ} 43.70'$, $-123^{\circ} 54.43'$) Sandstone from argillite slope on ridge at headwaters of South Fork of Clearwater River, Kloochman rock 7.5' quad. Pencils. Mapped as undifferentiated Tertiary (unit Tur) by Tabor and Cady (1978a). Elev = 2670 ft {815 m}.

191 RS97-20 ($47^{\circ} 38.45'$, $-124^{\circ} 15.00'$) Sandstone from outcrop in Shale Creek at the east end of the fish weir, at the Shale Creek bridge on the Clearwater River road, Kalaloch Ridge 7.5' quad. Located in the Clearwater River shear zone of Stewart (1970), but now thoroughly cemented. Mapped as Hoh Lithic Assemblage (unit Thsr) by Tabor and Cady (1978a). "Possibly Zemorrian" fossil locality 7804 of Rau *in* Stewart (1970). Elev = 150 ft {46 m}.

195 WL798-5 ($47^{\circ} 30.93'$, $-124^{\circ} 04.70'$) Sandstone collected by Bill Lingley from spur road off Forest Service Road 24, West Boundary Road, under Raft 1409T, Salmon River East quad. Mapped as undifferentiated Tertiary (unit Tur) by Tabor and Cady (1978a). Elev = 960 ft {292 m}.

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APPENDIX B

New fission-track grain-age data for samples presented in Tables 1 to 3 in the paper. Arranged in order of increasing lab sample number.

Lab# Z37 Field # ARC88-15.FTZ Hoh assemblage Stewart RR-5-21-97B-6

>>NEW PARAMETERS--ZETA METHOD<<									
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):									1.704E+05
RELATIVE ERROR (%):									1.53
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):									12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):							331.03	6.66	
SIZE OF COUNTER SQUARE (cm ²):							9.545E-07		
----- GRAIN AGES IN ORIGINAL ORDER -----									
Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-2s	Grain Age	Age --95% CI--	
1	8.51E+05	(13)	2.55E+06	(39)	16	184 59	9.5	4.6	18.0
2	5.89E+05	(9)	1.44E+06	(22)	16	104 44	11.7	4.7	26.0
3	8.38E+05	(20)	1.47E+06	(35)	25	106 36	16.2	8.8	28.7
4	1.38E+06	(21)	2.23E+06	(34)	16	161 55	17.5	9.6	30.9
5	8.38E+05	(16)	1.31E+06	(25)	20	95 38	18.1	9.0	35.1
6	8.73E+05	(15)	1.34E+06	(23)	18	97 40	18.4	8.9	36.7
7	1.57E+06	(27)	2.33E+06	(40)	18	168 53	19.1	11.2	31.8
8	6.40E+05	(11)	9.31E+05	(16)	18	67 33	19.5	8.1	44.4
9	1.83E+06	(28)	2.62E+06	(40)	16	189 60	19.8	11.7	32.8
10	8.80E+05	(21)	1.09E+06	(26)	25	79 31	22.8	12.2	42.0
11	7.96E+05	(19)	9.64E+05	(23)	25	70 29	23.3	12.0	44.6
12	9.48E+05	(19)	1.15E+06	(23)	21	83 34	23.3	12.0	44.6
13	5.24E+05	(8)	5.89E+05	(9)	16	43 28	25.1	8.4	72.8
14	3.14E+06	(45)	3.14E+06	(45)	15	227 68	28.1	18.2	43.5
15	1.77E+06	(27)	1.70E+06	(26)	16	123 48	29.2	16.4	52.1
16	1.44E+06	(22)	1.38E+06	(21)	16	99 43	29.5	15.5	56.3
17	1.15E+06	(22)	1.10E+06	(21)	20	79 34	29.5	15.5	56.3
18	2.75E+06	(42)	2.62E+06	(40)	16	189 60	29.5	18.7	46.7
19	1.38E+06	(21)	1.24E+06	(19)	16	90 41	31.1	15.9	61.1
20	2.85E+06	(49)	2.50E+06	(43)	18	181 55	32.0	20.8	49.5
21	4.19E+05	(8)	3.67E+05	(7)	20	26 19	32.1	10.2	103.6
22	1.70E+06	(26)	1.44E+06	(22)	16	104 44	33.2	18.1	61.5
23	2.55E+06	(39)	2.10E+06	(32)	16	151 53	34.3	20.9	56.5
24	2.44E+06	(42)	1.98E+06	(34)	18	143 49	34.7	21.6	56.3
25	1.80E+06	(36)	1.45E+06	(29)	21	104 39	34.9	20.8	59.0
26	1.96E+06	(30)	1.57E+06	(24)	16	113 46	35.1	19.9	62.8
27	2.55E+06	(39)	2.03E+06	(31)	16	147 52	35.4	21.5	58.6
28	1.22E+06	(29)	9.64E+05	(23)	25	70 29	35.4	19.8	64.1
29	3.08E+06	(47)	2.36E+06	(36)	16	170 57	36.7	23.3	58.3
30	2.82E+06	(43)	2.03E+06	(31)	16	147 52	39.0	24.0	64.0
31	2.42E+06	(37)	1.70E+06	(26)	16	123 48	39.9	23.6	68.7
32	2.04E+06	(35)	1.40E+06	(24)	18	101 41	40.9	23.7	71.9
33	2.88E+06	(44)	1.96E+06	(30)	16	142 52	41.2	25.4	67.9
34	2.62E+06	(40)	1.77E+06	(27)	16	128 49	41.6	24.9	70.5
35	2.82E+06	(43)	1.90E+06	(29)	16	137 51	41.6	25.4	69.2
36	3.93E+06	(45)	2.53E+06	(29)	12	183 68	43.5	26.8	72.1
37	2.30E+06	(22)	1.47E+06	(14)	10	106 56	44.0	21.6	93.1
38	1.44E+06	(22)	8.51E+05	(13)	16	61 33	47.3	22.9	102.4
39	1.18E+06	(18)	6.55E+05	(10)	16	47 29	50.2	22.2	122.0
40	3.80E+06	(58)	2.10E+06	(32)	16	151 53	50.8	32.5	80.9
41	8.12E+06	(31)	4.45E+06	(17)	4	321 154	51.0	27.5	98.4
42	1.38E+06	(21)	7.20E+05	(11)	16	52 31	53.3	24.8	122.6
43	1.90E+06	(29)	9.17E+05	(14)	16	66 35	57.8	29.8	118.6

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44	2.49E+06	(38)	1.18E+06	(18)	16	85	40	59.0	33.0	110.0
45	2.42E+06	(37)	1.05E+06	(16)	16	76	37	64.5	35.3	124.5
46	2.75E+06	(42)	1.18E+06	(18)	16	85	40	65.1	36.9	120.4

Lab# Z41 Field # ARC88-19.FTZ Hoh assemblage Stewart RR-5-21-97B-8

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	1.692E+05
RELATIVE ERROR (%):	1.47
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	331.03 6.66
SIZE OF COUNTER SQUARE (cm ²):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-s	Grain Age	Age --95%	CI--
1	1.99E+06	(38)	4.03E+06	(77)	20	293 67	13.8	9.1	20.6
2	6.11E+05	(14)	1.62E+06	(37)	24	117 39	10.7	5.3	20.1
3	1.52E+06	(29)	4.03E+06	(77)	20	293 67	10.6	6.6	16.4
4	1.41E+06	(27)	4.03E+06	(77)	20	293 67	9.9	6.1	15.4
5	8.73E+05	(25)	2.44E+06	(70)	30	178 43	10.0	6.1	16.0
6	1.20E+06	(23)	3.35E+06	(64)	20	244 61	10.1	6.0	16.4
7	7.33E+05	(21)	1.99E+06	(57)	30	145 38	10.4	5.9	17.3
8	9.48E+05	(19)	2.15E+06	(43)	21	156 48	12.4	6.8	21.7
9	1.20E+06	(23)	2.72E+06	(52)	20	198 55	12.4	7.2	20.6
10	1.13E+06	(26)	2.53E+06	(58)	24	184 48	12.6	7.6	20.3
11	9.48E+05	(19)	2.10E+06	(42)	21	152 47	12.7	7.0	22.3
12	8.44E+05	(29)	1.86E+06	(64)	36	135 34	12.7	7.9	20.0
13	1.79E+06	(29)	3.39E+06	(55)	17	246 67	14.8	9.1	23.5
14	6.29E+05	(18)	1.19E+06	(34)	30	86 29	14.9	7.9	27.0
15	1.01E+06	(31)	1.90E+06	(58)	32	138 36	15.0	9.3	23.5
16	1.41E+06	(35)	2.54E+06	(63)	26	185 47	15.6	10.0	23.9
17	2.01E+06	(48)	3.60E+06	(86)	25	262 57	15.6	10.7	22.5
18	7.72E+05	(14)	1.38E+06	(25)	19	100 40	15.7	7.5	31.3
19	1.12E+06	(32)	1.92E+06	(55)	30	140 38	16.3	10.2	25.6
20	2.42E+06	(37)	4.13E+06	(63)	16	300 76	16.5	10.6	25.1
21	1.16E+06	(30)	1.98E+06	(51)	27	144 40	16.5	10.1	26.3
22	1.27E+06	(45)	2.12E+06	(75)	37	154 36	16.8	11.3	24.6
23	1.17E+06	(28)	1.84E+06	(44)	25	134 40	17.8	10.7	29.2
24	1.50E+06	(20)	2.32E+06	(31)	14	169 60	18.1	9.7	32.7
25	2.05E+06	(41)	3.09E+06	(62)	21	225 57	18.5	12.1	27.9
26	2.17E+06	(31)	2.93E+06	(42)	15	213 66	20.7	12.5	33.6
27	1.63E+06	(39)	2.18E+06	(52)	25	158 44	21.0	13.5	32.4
28	1.80E+06	(31)	2.39E+06	(41)	18	173 54	21.2	12.8	34.5
29	1.30E+06	(31)	1.72E+06	(41)	25	125 39	21.2	12.8	34.5
30	8.01E+05	(13)	1.05E+06	(17)	17	76 36	21.4	9.6	46.7
31	2.65E+06	(38)	3.42E+06	(49)	15	249 71	21.7	13.8	33.8
32	1.99E+06	(38)	2.57E+06	(49)	20	187 53	21.7	13.8	33.8
33	1.31E+06	(25)	1.62E+06	(31)	20	118 42	22.6	12.8	39.4
34	1.78E+06	(39)	2.05E+06	(45)	23	149 44	24.2	15.4	38.1
35	2.74E+06	(47)	2.85E+06	(49)	18	207 59	26.8	17.6	40.8
36	1.57E+06	(24)	1.51E+06	(23)	16	109 45	29.2	15.8	54.0
37	1.36E+06	(26)	1.10E+06	(21)	20	80 35	34.5	18.7	64.5
38	1.90E+06	(29)	1.24E+06	(19)	16	90 41	42.5	23.1	80.2
39	1.80E+06	(31)	1.11E+06	(19)	18	80 36	45.4	24.9	85.1
40	3.56E+06	(68)	1.94E+06	(37)	20	141 46	51.2	33.9	78.6
41	2.42E+06	(37)	1.11E+06	(17)	16	81 39	60.4	33.4	114.5
42	4.26E+06	(65)	1.83E+06	(28)	16	133 50	64.5	41.0	104.5

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43 2.27E+06 (39) 6.40E+05 (11) 18 47 27 97.5 49.6 211.6

**Lab# Z42a # 92JG62 Browns Point Garver RP130-27 (first dataset); RP130-28
(second dataset)**

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	2.467E+05
RELATIVE ERROR (%):	2.91
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.50
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	320.67 7.79
SIZE OF COUNTER SQUARE (cm ²):	9.643E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-2s	Grain Age Age	Age --95% CI--
1	5.19E+06 (80)	1.69E+06 (26)	16	85 34	120.1	76.6 195.3
2	7.81E+06 (113)	1.11E+06 (16)	15	56 28	271.2	162.1 488.1
3	5.31E+06 (82)	4.34E+06 (67)	16	220 55	48.2	34.4 67.9
4	1.89E+06 (31)	1.40E+06 (23)	17	71 30	53.0	29.9 95.4
5	5.51E+06 (85)	5.83E+06 (90)	16	296 64	37.3	27.2 50.9
6	3.58E+06 (38)	5.66E+06 (60)	11	287 76	25.1	16.2 38.3
7	3.88E+06 (71)	3.22E+06 (59)	19	163 43	47.4	33.0 68.4
8	7.16E+06 (69)	5.70E+06 (55)	10	289 79	49.4	34.1 72.0
9	4.61E+06 (40)	4.72E+06 (41)	9	239 76	38.5	24.2 61.2
10	5.77E+06 (89)	5.44E+06 (84)	16	276 62	41.8	30.5 57.3
11	1.48E+06 (30)	5.38E+06 (109)	21	273 54	10.9	7.0 16.5
12	6.29E+06 (97)	5.77E+06 (89)	16	292 64	43.0	31.7 58.3
13	5.98E+06 (121)	5.28E+06 (107)	21	268 54	44.6	34.0 58.3
14	3.89E+06 (60)	1.03E+07 (159)	16	522 88	14.9	10.8 20.3
15	2.28E+06 (55)	1.99E+06 (48)	25	101 30	45.2	30.0 68.2
16	1.22E+07 (141)	1.52E+07 (176)	12	771 124	31.6	25.1 39.9
17	2.18E+06 (21)	6.43E+06 (62)	10	326 85	13.5	7.7 22.3
18	8.99E+06 (156)	6.05E+06 (105)	18	307 62	58.4	45.2 75.5

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	2.470E+05
RELATIVE ERROR (%):	2.97
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.50
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	320.97 7.79
SIZE OF COUNTER SQUARE (cm ²):	9.643E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-2s	Grain Age Age	Age --95% CI--
19	2.96E+06 (57)	2.80E+06 (54)	20	142 39	41.7	28.1 61.9
20	4.03E+06 (70)	2.82E+06 (49)	18	143 41	56.4	38.5 83.2
21	4.54E+06 (70)	5.57E+06 (86)	16	282 63	32.2	23.0 44.9
22	1.88E+06 (29)	1.81E+06 (28)	16	92 35	40.9	23.5 71.5
23	1.35E+06 (39)	1.07E+06 (31)	30	54 20	49.7	30.2 82.5
24	3.32E+06 (128)	2.31E+06 (89)	40	117 26	56.7	42.9 74.9
25	2.33E+06 (45)	2.33E+06 (45)	20	118 36	39.5	25.5 61.3
26	3.20E+06 (74)	1.77E+06 (41)	24	90 28	71.1	47.8 107.2
27	8.56E+05 (33)	1.37E+06 (53)	40	70 19	24.7	15.4 38.9
28	4.67E+06 (108)	2.59E+06 (60)	24	131 35	70.9	51.1 99.4
29	1.40E+06 (81)	3.42E+06 (198)	60	173 27	16.3	12.4 21.3
30	2.28E+06 (33)	1.94E+06 (28)	15	98 37	46.5	27.2 80.1
31	1.94E+06 (45)	2.46E+06 (57)	24	125 34	31.3	20.6 47.2
32	1.66E+06 (48)	4.49E+06 (130)	30	227 42	14.7	10.2 20.6
33	3.77E+06 (109)	2.25E+06 (65)	30	114 29	66.1	48.0 91.7
34	2.95E+06 (91)	2.04E+06 (63)	32	103 27	57.0	40.7 80.2
35	3.31E+06 (51)	2.79E+06 (43)	16	141 44	46.8	30.5 72.2

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36	5.53E+05	(-32)	1.88E+06	(-109)	60	95	19	11.7	7.6	17.5
37	1.22E+06	(-59)	3.84E+06	(-185)	50	194	31	12.7	9.2	17.1
38	4.36E+06	(-63)	3.39E+06	(-49)	15	171	50	50.8	34.3	75.6
39	1.24E+06	(-48)	5.44E+05	(-21)	40	28	12	89.6	52.8	158.0
40	2.18E+06	(-61)	1.97E+06	(-55)	29	100	27	43.8	29.8	64.5
41	2.49E+06	(-72)	3.01E+06	(-87)	30	152	34	32.8	23.5	45.5

Lab# Z42b Field # ARC88-20.FTZ Hoh assemblage Browns Point Stewart RR-5-21-97B-9

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.685E+05
                                         RELATIVE ERROR (%):      1.44
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):      331.03      6.66
                                         SIZE OF COUNTER SQUARE (cm^2):      9.545E-07

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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-2s	Grain Age (Ma)	Age	--95% CI--
1	2.59E+06	(42)	3.94E+06	(64)	17	288 72	18.3	12.1	27.4
2	2.10E+06	(52)	2.70E+06	(67)	26	197 48	21.6	14.7	31.5
3	2.29E+06	(35)	2.88E+06	(44)	16	210 63	22.2	13.8	35.3
4	3.67E+06	(70)	4.45E+06	(85)	20	325 71	22.9	16.5	31.9
5	2.44E+06	(56)	2.79E+06	(64)	24	204 51	24.4	16.7	35.4
6	1.83E+06	(28)	2.10E+06	(32)	16	153 54	24.4	14.1	41.7
7	1.47E+06	(28)	1.52E+06	(29)	20	111 41	26.9	15.4	46.8
8	1.28E+06	(22)	1.28E+06	(22)	18	93 40	27.8	14.7	52.6
9	1.99E+06	(38)	1.99E+06	(38)	20	145 47	27.8	17.3	44.8
10	1.64E+06	(25)	1.57E+06	(24)	16	115 46	29.0	15.9	53.0
11	1.50E+06	(30)	1.30E+06	(26)	21	95 37	32.1	18.4	56.5
12	3.19E+06	(64)	2.59E+06	(52)	21	189 53	34.2	23.4	50.4
13	3.52E+06	(37)	2.76E+06	(29)	11	202 74	35.4	21.2	59.8
14	2.49E+06	(38)	1.90E+06	(29)	16	139 51	36.4	21.9	61.2
15	3.33E+06	(54)	2.47E+06	(40)	17	180 57	37.5	24.5	58.0
16	1.73E+06	(38)	1.28E+06	(28)	23	93 35	37.7	22.6	63.8
17	1.79E+06	(41)	1.31E+06	(30)	24	96 35	38.0	23.2	63.0
18	6.98E+05	(14)	4.49E+05	(9)	21	33 21	43.0	17.5	112.7
19	2.65E+06	(43)	1.48E+06	(24)	17	108 44	49.6	29.6	85.6
20	2.93E+06	(42)	1.61E+06	(23)	15	117 48	50.6	29.8	88.2
21	3.54E+06	(54)	1.90E+06	(29)	16	139 51	51.6	32.4	84.1
22	4.13E+06	(67)	2.10E+06	(34)	17	153 52	54.6	35.7	85.2
23	3.22E+06	(40)	1.61E+06	(20)	13	118 52	55.3	31.7	100.0
24	2.71E+06	(31)	1.31E+06	(15)	12	96 49	57.1	30.1	114.0
25	3.80E+06	(58)	1.70E+06	(26)	16	124 48	61.7	38.4	102.3
26	7.48E+05	(15)	2.99E+05	(6)	21	22 17	68.3	25.5	215.8
27	2.82E+06	(43)	8.51E+05	(13)	16	62 34	90.8	48.5	184.5

Lab# Z53, Field# 88108 False summit of Hoh Peak, Western Olympic Assemblage,
Stewart RR7-6-90A-15

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.867E+05
                                         RELATIVE ERROR (%):      1.48
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):      331.03      6.66
                                         SIZE OF COUNTER SQUARE (cm^2):      9.545E-07

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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain Rhos (Ns) RhoI (Ni) Squares U+/-2s Grain Age (Ma)

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no.	(cm^-2)	(cm^-2)				Age	--95%	CI--
1	5.42E+05	(15)	1.48E+06	(41)	29	98	30	11.4
2	1.16E+06	(31)	2.96E+06	(79)	28	195	44	12.2
3	5.24E+05	(12)	1.31E+06	(30)	24	86	31	12.5
4	1.55E+06	(34)	3.60E+06	(79)	23	237	54	13.3
5	7.33E+05	(21)	1.57E+06	(45)	30	104	31	14.5
6	5.87E+05	(14)	1.26E+06	(30)	25	83	30	14.5
7	9.64E+05	(23)	2.05E+06	(49)	25	135	39	14.5
8	1.18E+06	(27)	2.44E+06	(56)	24	161	43	14.9
9	1.48E+06	(34)	2.88E+06	(66)	24	190	47	15.9
10	1.46E+06	(39)	2.73E+06	(73)	28	180	42	16.5
11	4.89E+05	(14)	9.08E+05	(26)	30	60	23	16.7
12	9.39E+05	(26)	1.70E+06	(47)	29	112	33	17.1
13	8.03E+05	(23)	1.40E+06	(40)	30	92	29	17.8
14	9.64E+05	(23)	1.63E+06	(39)	25	108	34	18.3
15	1.01E+06	(24)	1.68E+06	(40)	25	110	35	18.6
16	8.73E+05	(20)	1.44E+06	(33)	24	95	33	18.8
17	5.87E+05	(14)	9.64E+05	(23)	25	63	26	18.9
18	6.64E+05	(19)	1.08E+06	(31)	30	71	26	19.0
19	1.01E+06	(24)	1.63E+06	(39)	25	108	34	19.0
20	1.44E+06	(37)	2.10E+06	(54)	27	138	38	21.2
21	6.98E+05	(18)	1.01E+06	(26)	27	66	26	21.4
22	1.59E+06	(38)	2.26E+06	(54)	25	149	41	21.7
23	5.45E+05	(13)	7.54E+05	(18)	25	50	23	22.4
24	9.22E+05	(22)	1.22E+06	(29)	25	80	30	23.4
25	1.01E+06	(24)	1.30E+06	(31)	25	86	31	23.9
26	1.38E+06	(33)	1.72E+06	(41)	25	113	35	24.8
27	6.14E+05	(17)	7.59E+05	(21)	29	50	22	25.0
28	6.29E+05	(18)	7.68E+05	(22)	30	51	21	25.3
29	1.72E+06	(46)	2.06E+06	(55)	28	136	37	25.8
30	2.10E+06	(60)	2.37E+06	(68)	30	156	38	27.2
31	8.03E+05	(23)	9.08E+05	(26)	30	60	23	27.3
32	7.12E+05	(17)	7.12E+05	(17)	25	47	22	30.8
33	8.03E+05	(23)	8.03E+05	(23)	30	53	22	30.8
34	6.98E+05	(16)	6.55E+05	(15)	24	43	22	32.9
35	2.64E+06	(63)	2.43E+06	(58)	25	160	42	33.5
36	1.05E+06	(25)	9.64E+05	(23)	25	63	26	33.5
37	3.60E+06	(86)	3.27E+06	(78)	25	215	49	34.0
38	1.33E+06	(38)	1.19E+06	(34)	30	78	27	34.4
39	2.56E+06	(61)	1.89E+06	(45)	25	124	37	41.7
40	5.36E+06	(128)	3.86E+06	(92)	25	254	53	42.8
41	4.90E+06	(117)	3.27E+06	(78)	25	215	49	46.1
42	2.88E+06	(66)	1.79E+06	(41)	24	118	37	49.5
43	2.64E+06	(63)	1.72E+06	(41)	25	113	35	47.2
44	2.83E+06	(81)	1.75E+06	(50)	30	115	33	49.8
45	3.73E+06	(89)	2.18E+06	(52)	25	144	40	52.6
46	3.14E+06	(75)	1.80E+06	(43)	25	119	36	53.6
47	3.84E+06	(88)	2.10E+06	(48)	24	138	40	56.3
48	3.11E+06	(83)	1.57E+06	(42)	28	104	32	60.7
49	2.41E+06	(69)	9.78E+05	(28)	30	64	24	75.4
50	6.24E+06	(143)	2.49E+06	(57)	24	164	44	76.9
51	6.58E+06	(157)	2.35E+06	(56)	25	155	41	85.9

Lab# Z108 Field # 92JG08 thin-bedded sandstone Hoh assemblage beach south of Pt. Grenville, unit Tshr of Tabor and Cady Garver RP130-23 (first dataset); RP130-24 (second dataset)

>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2) : 2.453E+05

Data Repository item 2004023

RELATIVE ERROR (%) :	2.72
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm) :	12.50
ZETA FACTOR AND STANDARD ERROR (yr cm ²) :	320.97
SIZE OF COUNTER SQUARE (cm ²) :	7.79
	9.643E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-2s	Grain Age	Age (Ma)	--95% CI--
1	5.19E+06	(80)	1.69E+06	(26)	16	86 34	119.6	76.3	194.3
2	2.31E+06	(89)	3.66E+06	(141)	40	186 33	24.9	18.9	32.7
3	6.22E+06	(96)	4.60E+06	(71)	16	234 57	53.0	38.5	73.4
4	1.66E+06	(32)	2.18E+06	(42)	20	111 35	30.0	18.3	48.7
5	2.85E+06	(55)	1.56E+06	(30)	20	79 29	71.6	45.2	116.1
6	6.22E+06	(72)	5.19E+06	(60)	12	264 69	47.1	32.9	67.7
7	2.25E+06	(65)	1.80E+06	(52)	30	92 26	49.0	33.4	72.2
8	9.79E+06	(85)	7.03E+06	(61)	9	358 93	54.6	38.7	77.4
9	2.85E+06	(55)	3.53E+06	(68)	20	180 45	31.8	21.8	46.2
10	5.86E+06	(113)	5.34E+06	(103)	20	272 56	43.0	32.7	56.6
11	4.36E+06	(84)	1.87E+06	(36)	20	95 32	91.0	61.0	138.9
12	4.97E+06	(115)	3.50E+06	(81)	24	178 41	55.5	41.5	74.3
13	9.96E+05	(24)	9.13E+05	(22)	25	47 20	42.8	23.0	80.1
14	6.17E+06	(119)	7.31E+06	(141)	20	373 66	33.2	25.7	42.7
15	1.70E+06	(41)	4.23E+06	(102)	25	216 44	15.9	10.7	23.0
16	2.90E+06	(56)	3.27E+06	(63)	20	166 43	34.9	23.8	51.0
17	1.30E+06	(25)	2.33E+06	(45)	20	119 36	21.9	12.8	36.5
18	2.28E+06	(44)	1.40E+06	(27)	20	71 27	63.7	38.6	107.2
19	3.94E+06	(76)	1.97E+06	(38)	20	100 33	78.1	52.3	118.9
20	1.92E+06	(37)	2.39E+06	(46)	20	122 36	31.6	19.9	49.9
21	2.90E+06	(84)	2.42E+06	(70)	30	123 30	47.1	33.8	65.8
22	2.53E+06	(39)	3.05E+06	(47)	16	155 46	32.6	20.7	51.0
23	4.56E+06	(44)	4.36E+06	(42)	10	222 69	41.1	26.3	64.5
24	3.58E+06	(69)	3.21E+06	(62)	20	164 42	43.7	30.4	62.8
25	1.14E+06	(33)	1.00E+06	(29)	30	51 19	44.6	26.3	76.3

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²) :	2.457E+05
RELATIVE ERROR (%) :	2.76
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm) :	12.50
ZETA FACTOR AND STANDARD ERROR (yr cm ²) :	320.97
SIZE OF COUNTER SQUARE (cm ²) :	7.79
	9.643E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-2s	Grain Age	Age (Ma)	--95% CI--
26	2.51E+06	(97)	2.20E+06	(85)	40	112 25	44.9	33.0	61.0
27	6.48E+05	(15)	2.42E+06	(56)	24	123 33	10.6	5.5	19.0
28	1.79E+06	(69)	1.04E+06	(40)	40	53 17	67.6	45.1	102.7
29	1.80E+06	(52)	1.52E+06	(44)	30	77 24	46.4	30.4	71.2
30	8.30E+05	(20)	1.95E+06	(47)	25	99 29	16.8	9.4	28.9
31	5.60E+05	(27)	3.32E+05	(16)	50	17 8	66.0	34.4	131.2
32	3.15E+06	(91)	4.87E+06	(141)	30	248 44	25.4	19.4	33.4
33	2.20E+06	(68)	2.40E+06	(74)	32	122 29	36.2	25.5	51.1
34	6.27E+05	(29)	1.66E+06	(77)	48	85 20	14.9	9.3	23.1
35	3.89E+06	(45)	6.22E+06	(72)	12	317 76	24.6	16.5	36.3
36	1.10E+06	(36)	3.14E+06	(103)	34	160 33	13.8	9.1	20.4
37	2.66E+06	(77)	2.04E+06	(59)	30	104 28	51.3	35.9	73.5
38	1.90E+06	(44)	2.59E+06	(60)	24	132 35	28.9	19.0	43.4
39	2.62E+06	(101)	2.39E+06	(92)	40	121 26	43.1	32.3	57.6
40	3.73E+06	(90)	2.32E+06	(56)	25	118 32	63.0	44.6	89.9
41	4.36E+06	(84)	2.54E+06	(49)	20	129 37	67.2	46.6	97.9
42	1.87E+06	(90)	1.24E+06	(60)	50	63 17	58.9	41.9	83.3
43	1.09E+07	(63)	9.33E+06	(54)	6	475 131	45.8	31.3	67.4
44	4.20E+06	(81)	3.73E+06	(72)	20	190 46	44.2	31.7	61.8

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45	2.87E+06	(-83)	1.59E+06	(-46)	30	81	24	70.7	48.7	104.0
46	4.98E+06	(-72)	4.42E+06	(-64)	15	225	57	44.2	31.0	63.1
47	4.15E+06	(-100)	2.57E+06	(-62)	25	131	34	63.3	45.5	88.6
48	1.87E+06	(-47)	2.47E+06	(-62)	26	126	33	29.9	19.9	44.4
49	1.58E+06	(-76)	1.16E+06	(-56)	50	59	16	53.3	37.1	76.9
50	5.81E+05	(-28)	1.97E+06	(-95)	50	100	21	11.7	7.3	17.9

Lab# Z117 Field # 92JG68 Hoh mélange north of Hoh Head Garver RP130-31 (first dataset), RP130-32 (second dataset)

>>NEW PARAMETERS--ZETA METHOD<<

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+-2s	Grain Age (Ma)	
							Age	--95% CI--
1	3.80E+06	(77)	4.10E+06	(83)	21	207 47	36.8	26.5 51.1
2	4.25E+06	(123)	3.11E+06	(90)	30	157 34	54.0	40.8 71.6
3	3.70E+06	(107)	3.21E+06	(93)	30	162 35	45.6	34.2 60.7
4	5.08E+06	(98)	3.99E+06	(77)	20	201 47	50.4	36.8 69.3
5	3.39E+06	(98)	2.56E+06	(74)	30	129 31	52.4	38.2 72.3
6	3.78E+06	(73)	3.21E+06	(62)	20	162 42	46.7	32.6 66.9
7	8.16E+06	(118)	5.25E+06	(76)	15	265 63	61.4	45.4 83.6
8	3.39E+06	(98)	3.21E+06	(93)	30	162 35	41.8	31.2 55.9
9	3.19E+06	(123)	3.11E+06	(120)	40	157 30	40.6	31.3 52.8
10	2.80E+06	(54)	6.53E+06	(126)	20	329 62	17.1	12.1 23.8
11	3.61E+06	(87)	2.99E+06	(72)	25	150 37	47.9	34.5 66.7
12	3.87E+06	(112)	3.11E+06	(90)	30	157 34	49.2	37.0 65.6
13	3.63E+06	(105)	2.76E+06	(80)	30	139 32	52.0	38.3 70.8
14	3.58E+06	(69)	3.47E+06	(67)	20	175 44	40.8	28.6 58.3
15	6.07E+06	(117)	3.84E+06	(74)	20	193 46	62.5	46.1 85.4
16	4.77E+06	(92)	4.98E+06	(96)	20	251 54	38.0	28.1 51.5
17	5.18E+06	(100)	5.96E+06	(115)	20	300 59	34.5	26.1 45.6
18	2.51E+06	(29)	2.94E+06	(34)	12	148 51	33.9	19.8 57.4
19	3.21E+06	(62)	3.42E+06	(66)	20	172 44	37.3	25.8 53.8
20	2.90E+06	(70)	2.03E+06	(49)	25	102 30	56.5	38.6 83.6
21	8.10E+06	(125)	7.00E+06	(108)	16	353 71	45.8	35.1 59.9
22	4.72E+06	(91)	4.35E+06	(84)	20	219 50	43.0	31.4 58.8
23	2.38E+06	(46)	2.90E+06	(56)	20	146 40	32.6	21.5 49.2
24	6.87E+06	(106)	4.80E+06	(74)	16	242 58	56.7	41.5 77.8
25	1.89E+06	(91)	1.80E+06	(87)	50	91 20	41.5	30.4 56.6
26	2.49E+06	(24)	5.49E+06	(53)	10	277 78	18.1	10.6 29.8
27	3.42E+06	(99)	4.49E+06	(130)	30	226 42	30.2	23.0 39.7
28	6.01E+06	(87)	4.56E+06	(66)	15	230 58	52.2	37.3 73.4
29	1.10E+07	(106)	9.33E+06	(90)	10	470 103	46.6	34.9 62.3
30	4.98E+05	(24)	2.01E+06	(97)	50	101 22	9.9	6.0 15.6

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	2.483E+05
RELATIVE ERROR (%):	3.26
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.50
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	320.97 7.79
SIZE OF COUNTER SQUARE (cm ²):	9.645E-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)
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31	5.39E+05	(26)	6.84E+05	(33)	50	34	12	31.4	17.9	54.2
32	2.80E+06	(81)	1.49E+06	(43)	30	75	23	74.5	50.7	111.1
33	1.84E+06	(71)	2.85E+06	(110)	40	144	29	25.7	18.7	35.2
34	5.34E+06	(103)	4.51E+06	(87)	20	227	51	47.0	34.8	63.7
35	2.97E+06	(143)	2.57E+06	(124)	50	129	25	45.8	35.6	58.9
36	2.73E+06	(79)	2.32E+06	(67)	30	117	29	46.8	33.2	66.2
37	1.99E+06	(69)	1.64E+06	(57)	36	83	22	48.1	33.2	69.8
38	4.35E+06	(84)	3.06E+06	(59)	20	154	41	56.5	39.8	80.6
39	2.64E+06	(51)	3.99E+06	(77)	20	201	47	26.4	18.0	38.2
40	4.87E+06	(94)	2.28E+06	(44)	20	115	35	84.4	58.3	124.3
41	3.34E+06	(129)	2.33E+06	(90)	40	117	26	56.8	42.9	75.0
42	6.03E+06	(93)	6.09E+06	(94)	16	307	66	39.3	29.0	53.3
43	1.17E+06	(45)	1.22E+06	(47)	40	61	18	38.1	24.6	58.8
44	4.56E+06	(132)	2.52E+06	(73)	30	127	31	71.6	53.1	97.3
45	1.59E+06	(46)	1.52E+06	(44)	30	77	23	41.5	26.8	64.5

Lab# Z118 Field # 92JG70 Hoh mélange south of Hoh Head Garver RP130-34 (first dataset); RP130-33 (second dataset)

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	2.490E+05
RELATIVE ERROR (%):	3.43
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.50
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	320.67 7.79
SIZE OF COUNTER SQUARE (cm^2):	9.645E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+-2s	Grain Age (Ma)	Age --95% CI--
1	2.20E+06 (51)	2.59E+06 (60)	24	130 35	33.9	22.7 50.3
2	5.39E+06 (104)	3.78E+06 (73)	20	190 46	56.6	41.3 78.0
3	1.02E+06 (49)	1.04E+06 (50)	50	52 15	39.0	25.6 59.3
4	3.73E+06 (108)	4.15E+06 (120)	30	208 41	35.8	27.3 47.0
5	4.90E+05 (17)	7.78E+05 (27)	36	39 15	25.2	12.8 47.9
6	3.69E+06 (96)	1.69E+06 (44)	27	85 26	86.4	59.7 127.1
7	3.21E+06 (62)	3.73E+06 (72)	20	187 46	34.3	23.9 49.2
8	1.40E+06 (54)	1.87E+06 (72)	40	94 23	29.9	20.5 43.4
9	1.26E+06 (61)	9.75E+05 (47)	50	49 15	51.6	34.5 77.5
10	3.99E+06 (77)	2.64E+06 (51)	20	133 38	60.0	41.4 87.7
11	9.02E+06 (87)	4.87E+06 (47)	10	245 73	73.4	50.7 107.6
12	2.83E+06 (164)	2.26E+06 (131)	60	114 21	49.7	39.0 63.4
13	3.42E+06 (66)	3.01E+06 (58)	20	151 41	45.3	31.2 65.9
14	4.82E+06 (93)	4.35E+06 (84)	20	219 50	44.1	32.2 60.3
15	3.84E+06 (74)	3.11E+06 (60)	20	156 42	49.1	34.2 70.6
16	1.71E+06 (33)	2.02E+06 (39)	20	101 33	33.7	20.5 55.2
17	1.56E+06 (27)	1.84E+06 (32)	18	93 33	33.7	19.3 58.1
18	1.43E+06 (55)	2.20E+06 (85)	40	111 25	25.8	17.9 36.9
19	4.51E+06 (87)	2.95E+06 (57)	20	148 40	60.6	42.7 86.7
20	7.26E+06 (70)	5.70E+06 (55)	10	286 79	50.6	34.9 73.8
21	7.57E+06 (73)	5.91E+06 (57)	10	297 81	50.9	35.3 73.7
22	2.85E+06 (110)	2.28E+06 (88)	40	115 26	49.7	37.1 66.4
23	1.68E+06 (65)	3.40E+06 (131)	40	170 32	19.8	14.4 27.1
24	2.70E+06 (52)	1.24E+06 (24)	20	62 26	85.6	51.9 145.8
25	4.73E+06 (73)	3.43E+06 (53)	16	172 49	54.7	37.7 79.9
26	2.75E+06 (53)	2.02E+06 (39)	20	101 33	54.0	34.9 84.2
27	5.18E+06 (80)	3.56E+06 (55)	16	179 50	57.8	40.3 83.5

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	2.487E+05
RELATIVE ERROR (%):	3.35

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EFFECTIVE URANIUM CONTENT OF MONITOR (ppm): 12.50							
ZETA FACTOR AND STANDARD ERROR (yr cm^2): 320.97 7.79							
SIZE OF COUNTER SQUARE (cm^2): 9.643E-07							
----- GRAIN AGES IN ORIGINAL ORDER -----							
Grain no.	RhoS (cm^-2)	(Ns)	RhoI (cm^-2)	(Ni)	Squares	U+/-2s	Grain Age (Ma)
28	5.38E+06	(83)	3.76E+06	(58)	16	189 51	56.8 40.0 81.4
29	2.18E+06	(42)	3.94E+06	(76)	20	198 47	22.1 14.7 32.7
30	5.05E+06	(73)	3.39E+06	(49)	15	170 50	59.1 40.5 87.2
31	5.13E+06	(99)	3.37E+06	(65)	20	169 43	60.5 43.6 84.5
32	9.33E+05	(36)	2.33E+06	(90)	40	117 26	16.0 10.5 23.9
33	7.05E+06	(102)	4.84E+06	(70)	15	243 60	57.9 42.0 80.1
34	9.46E+06	(73)	7.26E+06	(56)	8	365 100	51.8 35.9 75.1
35	3.18E+06	(92)	3.08E+06	(89)	30	155 34	41.1 30.2 56.1
36	3.94E+06	(76)	4.20E+06	(81)	20	211 49	37.4 26.8 52.1
37	4.67E+06	(45)	3.84E+06	(37)	10	193 64	48.3 30.5 77.1
38	2.66E+06	(77)	2.73E+06	(79)	30	137 32	38.8 27.8 54.1
39	3.32E+06	(64)	2.54E+06	(49)	20	128 37	51.9 35.1 77.3
40	3.42E+06	(99)	2.80E+06	(81)	30	141 33	48.6 35.6 66.5
41	2.64E+06	(51)	2.33E+06	(45)	20	117 36	45.1 29.5 69.2
42	4.93E+05	(19)	1.22E+06	(47)	40	61 18	16.2 8.9 28.1
43	6.22E+05	(12)	9.85E+05	(19)	20	50 23	25.3 11.1 54.7
44	3.94E+06	(57)	1.80E+06	(26)	15	90 36	86.6 53.6 144.1
45	4.10E+06	(79)	3.63E+06	(70)	20	182 45	44.9 31.9 63.2
46	4.25E+06	(82)	3.11E+06	(60)	20	156 42	54.3 38.3 77.5
47	7.52E+06	(58)	7.26E+06	(56)	8	365 100	41.2 27.9 60.9
48	3.95E+06	(61)	2.33E+06	(36)	16	117 40	67.2 43.7 104.9
49	3.32E+06	(96)	2.00E+06	(58)	30	101 27	65.7 46.7 93.2
50	3.60E+06	(73)	3.75E+06	(76)	21	189 45	38.2 27.2 53.8

Lab# Z140, Field# RJS91-64 tuff at Prairie Creek Quarry, Stewart RR-7-6-94B-29

>>NEW PARAMETERS--ZETA METHOD<<							
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2): 1.859E+05							
RELATIVE ERROR (%): 1.04							
Grain no.	RhoS (cm^-2)	(Ns)	RhoI (cm^-2)	(Ni)	Squares	U+/-2s	Grain Age (Ma)
1	7.68E+05	(22)	1.82E+06	(52)	30	120 33	13.1 7.5 21.8
2	3.49E+05	(8)	6.55E+05	(15)	24	43 22	16.5 6.0 41.1
3	1.13E+06	(27)	2.10E+06	(50)	25	139 39	16.6 10.0 27.0
4	1.68E+06	(40)	3.06E+06	(73)	25	202 47	16.9 11.2 25.1
5	1.17E+06	(28)	2.14E+06	(51)	25	141 40	16.9 10.2 27.3
6	1.84E+06	(44)	3.27E+06	(78)	25	216 49	17.4 11.7 25.4
7	2.39E+06	(57)	3.77E+06	(90)	25	250 53	19.5 13.7 27.4
8	1.47E+06	(35)	2.30E+06	(55)	25	152 41	19.6 12.4 30.4
9	1.72E+06	(41)	2.60E+06	(62)	25	172 44	20.3 13.3 30.6
10	1.09E+06	(26)	1.59E+06	(38)	25	105 34	21.1 12.3 35.5
11	1.34E+06	(32)	1.89E+06	(45)	25	125 37	21.9 13.4 35.1
12	2.68E+06	(64)	3.44E+06	(82)	25	227 50	24.0 17.0 33.7
13	1.13E+06	(27)	1.42E+06	(34)	25	94 32	24.4 14.2 41.6
14	1.14E+06	(25)	1.41E+06	(31)	23	93 33	24.8 14.0 43.3
15	1.26E+06	(30)	1.51E+06	(36)	25	100 33	25.6 15.2 42.7
16	1.22E+06	(29)	1.38E+06	(33)	25	91 32	27.0 15.8 45.8

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17	1.17E+06	(28)	1.30E+06	(31)	25	86	31	27.8	16.0	47.7
18	1.80E+06	(43)	1.97E+06	(47)	25	130	38	28.1	18.1	43.4
19	2.73E+06	(73)	2.88E+06	(77)	28	191	43	29.1	20.8	40.6
20	1.38E+06	(33)	1.38E+06	(33)	25	91	32	30.7	18.4	51.3
21	1.84E+06	(44)	1.55E+06	(37)	25	103	34	36.5	23.0	58.0
22	1.68E+06	(40)	1.38E+06	(33)	25	91	32	37.2	22.9	60.8
23	2.22E+06	(53)	1.80E+06	(43)	25	119	36	37.8	24.8	57.9
24	2.10E+06	(50)	1.55E+06	(37)	25	103	34	41.4	26.6	65.1
25	2.18E+06	(52)	1.59E+06	(38)	25	105	34	41.9	27.1	65.5
26	3.73E+06	(89)	2.68E+06	(64)	25	177	44	42.6	30.6	59.7
27	2.10E+06	(54)	1.44E+06	(37)	27	95	31	44.7	28.9	69.8
28	1.80E+06	(43)	1.22E+06	(29)	25	80	30	45.4	27.8	75.4
29	7.54E+05	(18)	5.03E+05	(12)	25	33	19	45.8	21.0	104.2
30	3.52E+06	(84)	2.26E+06	(54)	25	150	41	47.6	33.5	68.4
31	2.22E+06	(53)	1.42E+06	(34)	25	94	32	47.7	30.5	75.7
32	2.20E+06	(63)	1.40E+06	(40)	30	92	29	48.2	32.0	73.6
33	1.21E+06	(30)	7.25E+05	(18)	26	48	22	50.9	27.6	97.0
34	6.29E+06	(150)	3.65E+06	(87)	25	241	52	52.7	40.4	68.8
35	4.38E+06	(92)	2.48E+06	(52)	22	164	45	54.1	38.2	77.6
36	1.42E+06	(34)	7.96E+05	(19)	25	53	24	54.6	30.4	101.4
37	8.05E+06	(192)	4.02E+06	(96)	25	266	54	61.1	47.7	78.2
38	8.76E+06	(209)	4.19E+06	(100)	25	277	56	63.8	50.2	81.2
39	3.52E+06	(84)	1.68E+06	(40)	25	111	35	64.2	43.7	96.0
40	3.81E+06	(91)	1.80E+06	(43)	25	119	36	64.7	44.7	95.3
41	2.98E+06	(71)	1.38E+06	(33)	25	91	32	65.7	43.1	102.6
42	1.63E+06	(39)	7.54E+05	(18)	25	50	23	66.0	37.1	122.7
43	2.10E+06	(50)	9.64E+05	(23)	25	64	26	66.3	39.9	113.9
44	3.02E+06	(72)	1.34E+06	(32)	25	89	31	68.7	44.9	107.7
45	2.93E+06	(70)	1.30E+06	(31)	25	86	31	68.9	44.7	108.9
46	2.93E+06	(70)	1.26E+06	(30)	25	83	30	71.2	46.0	113.2
47	3.25E+06	(93)	1.36E+06	(39)	30	90	29	72.8	49.8	108.7
48	3.94E+06	(94)	1.63E+06	(39)	25	108	34	73.6	50.3	109.8
49	5.62E+06	(134)	2.14E+06	(51)	25	141	40	80.2	57.9	113.0
50	4.02E+06	(96)	1.22E+06	(29)	25	80	30	100.7	66.3	158.2

Lab# Z142, Field# RJS91-66 Clearwater, 2070 Road, Stewart RR-7-6-94B-30

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.854E+05
                           RELATIVE ERROR (%):      1.06
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
                           ZETA FACTOR AND STANDARD ERROR (yr cm^2):      331.03      6.66
                           SIZE OF COUNTER SQUARE (cm^2):      9.545E-07
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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm^-2)	(Ns)	RhoI (cm^-2)	(Ni)	Squares	U+-2s	Grain Age	Age --95% CI--
1	4.89E+05	(14)	1.36E+06	(39)	30	90	29	11.1 5.5 20.7
2	6.29E+05	(15)	1.68E+06	(40)	25	111	35	11.6 5.9 21.3
3	1.38E+06	(33)	3.02E+06	(72)	25	200	47	14.1 9.0 21.5
4	1.68E+06	(45)	3.78E+06	(101)	28	251	50	13.7 9.4 19.6
5	8.38E+05	(20)	1.89E+06	(45)	25	125	37	13.7 7.6 23.5
6	1.75E+06	(45)	3.57E+06	(92)	27	237	50	15.0 10.3 21.6
7	1.09E+06	(28)	2.21E+06	(57)	27	147	39	15.1 9.2 24.1
8	7.20E+05	(22)	1.41E+06	(43)	32	93	28	15.7 8.9 26.8
9	1.71E+06	(44)	3.26E+06	(84)	27	216	47	16.1 10.9 23.4
10	9.64E+05	(23)	1.72E+06	(41)	25	114	35	17.2 9.8 29.3
11	9.12E+05	(27)	1.59E+06	(47)	31	105	31	17.7 10.5 28.8
12	2.39E+06	(57)	3.98E+06	(95)	25	264	54	18.4 13.0 25.8
13	2.35E+06	(56)	3.90E+06	(93)	25	259	54	18.5 13.0 26.0

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14	7.86E+05	(21)	1.27E+06	(34)	28	84	29	19.0	10.4	33.5
15	1.30E+06	(31)	2.10E+06	(50)	25	139	39	19.0	11.7	30.3
16	7.54E+05	(18)	1.22E+06	(29)	25	81	30	19.1	10.0	35.4
17	9.22E+05	(22)	1.47E+06	(35)	25	97	33	19.3	10.8	33.7
18	2.55E+06	(73)	4.02E+06	(115)	30	266	50	19.5	14.3	26.3
19	1.47E+06	(35)	2.26E+06	(54)	25	150	41	19.9	12.6	30.9
20	2.62E+06	(65)	4.03E+06	(100)	26	267	54	19.9	14.3	27.5
21	1.75E+06	(40)	2.66E+06	(61)	24	177	45	20.1	13.1	30.4
22	1.72E+06	(41)	2.60E+06	(62)	25	172	44	20.3	13.3	30.5
23	2.36E+06	(54)	3.49E+06	(80)	24	232	52	20.7	14.4	29.6
24	8.73E+05	(25)	1.29E+06	(37)	30	86	28	20.7	11.9	35.3
25	6.85E+05	(17)	1.01E+06	(25)	26	67	27	20.9	10.6	40.1
26	2.51E+06	(60)	3.65E+06	(87)	25	242	52	21.1	14.9	29.7
27	1.53E+06	(41)	2.21E+06	(59)	28	146	38	21.3	13.9	32.2
28	1.68E+06	(48)	2.41E+06	(69)	30	160	38	21.3	14.4	31.3
29	3.01E+06	(69)	4.28E+06	(98)	24	284	58	21.6	15.6	29.7
30	1.01E+06	(24)	1.38E+06	(33)	25	92	32	22.3	12.6	38.8
31	1.47E+06	(35)	1.89E+06	(45)	25	125	37	23.8	14.9	37.9
32	2.17E+06	(62)	2.48E+06	(71)	30	164	39	26.8	18.7	38.1
33	1.17E+06	(28)	1.34E+06	(32)	25	89	31	26.8	15.6	45.9
34	2.93E+06	(70)	3.27E+06	(78)	25	217	49	27.5	19.6	38.4
35	1.05E+06	(25)	1.13E+06	(27)	25	75	29	28.4	15.8	50.7
36	1.30E+06	(31)	1.30E+06	(31)	25	86	31	30.6	18.0	52.0
37	1.55E+06	(37)	1.30E+06	(31)	25	86	31	36.5	22.1	60.8
38	1.55E+06	(37)	1.17E+06	(28)	25	78	29	40.4	24.1	68.5
39	1.05E+06	(25)	2.93E+06	(70)	25	195	47	11.0	6.6	17.5
40	2.93E+06	(70)	2.01E+06	(48)	25	133	38	44.6	30.5	65.7
41	2.72E+06	(65)	1.84E+06	(44)	25	122	37	45.1	30.4	67.7
42	1.57E+06	(42)	1.01E+06	(27)	28	67	26	47.5	28.7	80.1
43	2.01E+06	(48)	1.26E+06	(30)	25	83	30	48.8	30.4	79.8
44	3.03E+06	(78)	1.82E+06	(47)	27	121	35	50.7	34.9	74.4
45	1.17E+06	(28)	6.70E+05	(16)	25	44	22	53.2	28.0	105.4
46	2.51E+06	(60)	1.30E+06	(31)	25	86	31	59.0	37.8	94.2
47	2.64E+06	(63)	1.34E+06	(32)	25	89	31	60.0	38.7	94.9
48	2.85E+06	(68)	1.34E+06	(32)	25	89	31	64.7	42.1	101.9

Lab# Z143, Field# RJS91-72 Yahoo Lake tuff, Stewart RR-2-6-96B-29

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2): 1.764E+05
RELATIVE ERROR (%): 1.08
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm): 12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2): 331.03 6.66
SIZE OF COUNTER SQUARE (cm^2): 9.545E-07
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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (yr)	Age --95% CI--
1	5.59E+05 (16)	1.12E+06 (32)	30	78 27	14.7	7.5 27.4
2	3.20E+06 (61)	5.97E+06 (114)	20	416 78	15.6	11.2 21.5
3	3.61E+06 (69)	6.34E+06 (121)	20	442 81	16.6	12.2 22.5
4	3.46E+06 (66)	5.45E+06 (104)	20	380 75	18.5	13.4 25.4
5	4.19E+06 (120)	6.50E+06 (186)	30	453 67	18.8	14.9 23.8
6	3.88E+06 (74)	5.97E+06 (114)	20	416 78	18.9	13.9 25.6
7	4.40E+06 (84)	6.76E+06 (129)	20	471 83	19.0	14.4 25.1
8	5.94E+05 (17)	9.08E+05 (26)	30	63 25	19.1	9.7 36.5
9	5.59E+06 (128)	7.77E+06 (178)	24	542 82	21.0	16.7 26.4
10	4.98E+06 (114)	7.42E+06 (170)	24	517 80	19.6	15.4 24.9
11	2.44E+06 (56)	3.54E+06 (81)	24	247 55	20.2	14.1 28.7
12	5.46E+06 (125)	7.55E+06 (173)	24	527 81	21.1	16.7 26.6

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13	4.68E+06	(134)	6.46E+06	(185)	30	450	67	21.1	16.9	26.5
14	3.18E+06	(91)	3.95E+06	(113)	30	275	52	23.5	17.8	31.0
15	2.97E+06	(68)	3.67E+06	(84)	24	256	56	23.6	16.9	32.9
16	5.06E+06	(145)	6.25E+06	(179)	30	436	66	23.6	18.9	29.5
17	3.63E+06	(104)	4.40E+06	(126)	30	307	55	24.1	18.5	31.3
18	5.87E+06	(168)	6.74E+06	(193)	30	470	68	25.4	20.5	31.3
19	3.60E+06	(55)	3.67E+06	(56)	16	256	68	28.6	19.4	42.3
20	3.38E+06	(87)	3.30E+06	(85)	27	230	50	29.8	21.9	40.7
21	5.19E+06	(99)	4.98E+06	(95)	20	347	71	30.3	22.9	40.3
22	8.73E+05	(25)	8.03E+05	(23)	30	56	23	31.6	17.3	58.3
23	6.23E+06	(119)	5.66E+06	(108)	20	394	76	32.1	24.7	41.7
24	2.37E+06	(68)	1.36E+06	(39)	30	95	30	50.6	33.7	77.1
25	2.41E+06	(62)	1.32E+06	(34)	27	92	31	52.9	34.4	83.0
26	2.62E+06	(75)	1.33E+06	(38)	30	93	30	57.2	38.4	87.0
27	3.67E+06	(70)	1.68E+06	(32)	20	117	41	63.4	41.3	99.6

Lab# Z148, Field# RJS91-98 Huelsdonk Ridge N of Owl Ck, Stewart RR-7-6-94B-35

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.831E+05
RELATIVE ERROR (%):	1.20
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	Age --95% CI--
1	8.38E+05 (20)	1.47E+06 (35)	25	99 33	17.4	9.5 30.8
2	3.19E+06 (70)	5.28E+06 (116)	23	355 66	18.3	13.4 24.8
3	9.49E+05 (29)	1.57E+06 (48)	32	106 30	18.3	11.1 29.6
4	1.26E+06 (36)	1.89E+06 (54)	30	127 34	20.2	12.9 31.3
5	1.89E+06 (56)	2.80E+06 (83)	31	188 41	20.4	14.3 29.0
6	1.99E+06 (57)	2.86E+06 (82)	30	192 43	21.1	14.7 29.9
7	2.82E+06 (78)	3.87E+06 (107)	29	260 50	22.1	16.2 29.8
8	1.42E+06 (34)	1.93E+06 (46)	25	129 38	22.4	13.9 35.6
9	3.49E+06 (80)	4.71E+06 (108)	24	317 61	22.4	16.8 30.0
10	1.64E+06 (50)	2.03E+06 (62)	32	136 35	24.4	16.5 36.0
11	1.95E+06 (54)	2.38E+06 (66)	29	160 39	24.8	16.9 36.0
12	1.62E+06 (37)	1.75E+06 (40)	24	117 37	28.0	17.4 44.8
13	1.13E+06 (27)	1.13E+06 (27)	25	76 29	30.2	17.1 53.5
14	3.07E+06 (41)	2.39E+06 (32)	14	161 57	38.7	23.8 63.4
15	1.70E+06 (39)	1.13E+06 (26)	24	76 30	45.2	26.9 77.4
16	3.71E+06 (78)	2.43E+06 (51)	22	163 46	46.1	32.0 67.0
17	3.61E+06 (62)	2.21E+06 (38)	18	149 48	49.2	32.4 75.7
18	1.51E+06 (36)	8.80E+05 (21)	25	59 26	51.6	29.4 93.0
19	2.51E+06 (67)	1.35E+06 (36)	28	90 30	56.0	36.9 86.6
20	2.71E+06 (62)	1.40E+06 (32)	24	94 33	58.3	37.6 92.4
21	4.68E+06 (134)	2.30E+06 (66)	30	155 38	61.2	45.3 83.5
22	6.04E+06 (121)	2.84E+06 (57)	21	191 51	63.9	46.4 89.2
23	3.44E+06 (69)	1.60E+06 (32)	21	107 38	64.8	42.2 102.0
24	3.95E+06 (98)	1.65E+06 (41)	26	111 35	71.9	49.6 106.2
25	3.04E+06 (90)	1.25E+06 (37)	31	84 28	73.1	49.5 110.4
26	5.70E+06 (147)	2.21E+06 (57)	27	149 39	77.5	56.9 107.3
27	3.07E+06 (82)	1.09E+06 (29)	28	73 27	84.8	55.2 134.5
28	2.84E+06 (65)	9.17E+05 (21)	24	62 27	92.6	56.3 159.7

Lab# Z149, Field# RJS91-99 Quarry, top of C2070 road, Stewart RR-7-6-94B-36

Data Repository item 2004023

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	1.826E+05
RELATIVE ERROR (%):	1.23
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	331.03 6.66
SIZE OF COUNTER SQUARE (cm ²):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-s	Grain Age	Age (Ma)	--95% CI--
1	6.73E+05 (18)	2.06E+06 (55)	28	139 37	9.9	5.5	17.1
2	2.55E+06 (73)	4.89E+06 (140)	30	329 56	15.8	11.9	21.0
3	1.98E+06 (53)	3.67E+06 (98)	28	247 50	16.3	11.5	23.0
4	1.17E+06 (28)	2.10E+06 (50)	25	141 40	16.9	10.2	27.4
5	2.30E+06 (55)	3.94E+06 (94)	25	265 55	17.7	12.4	24.9
6	1.88E+06 (43)	3.19E+06 (73)	24	215 50	17.8	11.9	26.3
7	2.46E+06 (61)	4.07E+06 (101)	26	274 55	18.2	13.0	25.3
8	3.23E+06 (74)	5.33E+06 (122)	24	359 65	18.4	13.7	24.6
9	1.09E+06 (27)	1.73E+06 (43)	26	117 36	19.0	11.3	31.4
10	8.23E+05 (22)	1.31E+06 (35)	28	88 30	19.0	10.6	33.2
11	2.14E+06 (51)	3.31E+06 (79)	25	223 50	19.5	13.4	28.1
12	2.71E+06 (62)	4.15E+06 (95)	24	279 58	19.7	14.1	27.4
13	1.42E+06 (34)	2.14E+06 (51)	25	144 40	20.2	12.6	31.7
14	1.46E+06 (32)	2.14E+06 (47)	23	144 42	20.6	12.7	32.9
15	2.10E+06 (54)	3.07E+06 (79)	27	206 47	20.6	14.3	29.5
16	1.69E+06 (37)	2.41E+06 (53)	23	163 45	21.1	13.5	32.7
17	1.45E+06 (29)	2.05E+06 (41)	21	138 43	21.4	12.8	35.2
18	2.26E+06 (56)	3.06E+06 (76)	26	206 47	22.3	15.5	31.8
19	6.50E+05 (18)	8.67E+05 (24)	29	58 24	22.7	11.6	43.4
20	1.96E+06 (56)	2.58E+06 (74)	30	174 41	22.8	15.8	32.8
21	2.30E+06 (55)	3.06E+06 (73)	25	206 48	22.8	15.7	32.7
22	1.70E+06 (47)	2.20E+06 (61)	29	148 38	23.3	15.5	34.6
23	1.80E+06 (48)	1.91E+06 (51)	28	129 36	28.4	18.7	42.9
24	2.01E+06 (46)	2.53E+06 (58)	24	171 45	23.9	15.9	35.8
25	1.31E+06 (40)	1.60E+06 (49)	32	108 31	24.6	15.8	38.2
26	1.12E+06 (16)	1.33E+06 (19)	15	89 41	25.4	12.2	52.1
27	2.44E+06 (70)	2.90E+06 (83)	30	195 43	25.5	18.2	35.4
28	3.37E+06 (90)	3.78E+06 (101)	28	255 51	26.9	20.2	35.8
29	1.38E+06 (33)	1.55E+06 (37)	25	104 34	26.9	16.3	44.2
30	1.76E+06 (42)	1.93E+06 (46)	25	130 38	27.5	17.7	42.8
31	2.70E+06 (67)	4.23E+06 (105)	26	285 56	19.3	14.0	26.4
32	1.57E+06 (36)	1.40E+06 (32)	24	94 33	33.9	20.5	56.3
33	2.30E+06 (55)	1.97E+06 (47)	25	133 39	35.3	23.5	53.2
34	1.53E+06 (38)	1.05E+06 (26)	26	71 27	43.9	26.1	75.4
35	2.85E+06 (79)	1.88E+06 (52)	29	127 35	45.7	31.8	66.2
36	1.47E+06 (35)	9.64E+05 (23)	25	65 27	45.7	26.4	81.1
37	2.59E+06 (52)	1.65E+06 (33)	21	111 38	47.4	30.1	75.7
38	3.42E+06 (85)	2.14E+06 (53)	26	144 39	48.2	33.9	69.4
39	2.36E+06 (54)	1.44E+06 (33)	24	97 34	49.2	31.4	78.3
40	2.88E+06 (77)	1.80E+06 (48)	28	121 35	48.2	33.3	70.7
41	2.47E+06 (59)	1.51E+06 (36)	25	102 34	49.3	32.1	76.8
42	2.75E+06 (63)	1.66E+06 (38)	24	112 36	49.8	32.9	76.6
43	1.79E+06 (41)	1.00E+06 (23)	24	68 28	53.5	31.5	93.4
44	2.58E+06 (59)	1.35E+06 (31)	24	91 33	57.1	36.5	91.4
45	2.78E+06 (69)	1.41E+06 (35)	26	95 32	59.2	39.0	91.6
46	4.32E+06 (99)	2.14E+06 (49)	24	144 41	60.7	42.8	87.3
47	2.72E+06 (65)	1.34E+06 (32)	25	90 32	60.9	39.5	96.2
48	2.30E+06 (66)	3.21E+06 (92)	30	216 45	21.7	15.5	30.0
49	3.01E+06 (66)	1.37E+06 (30)	23	92 33	66.0	42.4	105.3
50	4.19E+06 (104)	1.81E+06 (45)	26	122 36	69.3	48.6	100.7
51	3.18E+06 (85)	8.61E+05 (23)	28	58 24	110.2	69.4	183.1

Data Repository item 2004023

Lab# Z150, Field# RJS92-7 Clearwater road (C2040 road), Stewart RR-2-6-96B-32

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	1.760E+05
RELATIVE ERROR (%):	1.15
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	331.03 6.66
SIZE OF COUNTER SQUARE (cm ²):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	9.08E+05 (26)	3.28E+06 (94)	30	229 47	8.1	5.0 12.5
2	9.60E+05 (22)	2.01E+06 (46)	24	140 41	14.0	8.0 23.6
3	2.93E+06 (56)	5.50E+06 (105)	20	384 75	15.5	11.0 21.7
4	2.26E+06 (54)	4.02E+06 (96)	25	281 58	16.4	11.5 23.1
5	2.43E+06 (44)	4.25E+06 (77)	19	297 68	16.7	11.2 24.4
6	1.50E+06 (30)	2.59E+06 (52)	21	181 50	16.8	10.3 26.8
7	2.10E+06 (36)	3.55E+06 (61)	18	248 64	17.2	11.0 26.3
8	1.27E+06 (34)	2.02E+06 (54)	28	141 38	18.3	11.6 28.6
9	2.78E+06 (53)	4.19E+06 (80)	20	293 66	19.3	13.4 27.6
10	3.44E+06 (82)	5.20E+06 (124)	25	363 66	19.3	14.5 25.5
11	3.23E+06 (74)	4.80E+06 (110)	24	336 64	19.6	14.4 26.5
12	4.44E+06 (72)	6.10E+06 (99)	17	426 86	21.2	15.4 29.0
13	2.26E+06 (54)	2.98E+06 (71)	25	208 49	22.1	15.2 32.0
14	2.57E+06 (54)	3.33E+06 (70)	22	233 56	22.4	15.4 32.5
15	5.30E+06 (91)	6.52E+06 (112)	18	456 87	23.6	17.9 31.3
16	1.51E+06 (36)	1.72E+06 (41)	25	120 37	25.5	15.9 40.9
17	2.51E+06 (48)	2.20E+06 (42)	20	154 47	33.2	21.5 51.5
18	1.60E+06 (32)	1.30E+06 (26)	21	91 35	35.7	20.7 62.4
19	7.51E+06 (129)	5.65E+06 (97)	18	395 80	38.6	29.6 50.3
20	1.99E+06 (38)	1.41E+06 (27)	20	99 38	40.8	24.3 69.5
21	4.67E+06 (107)	3.19E+06 (73)	24	223 52	42.5	31.3 58.1
22	4.98E+06 (95)	2.78E+06 (53)	20	194 53	51.9	36.8 74.1
23	1.47E+06 (35)	7.96E+05 (19)	25	56 25	53.2	29.8 98.6

Lab# Z151, Field# RJS93-3 Red Creek Quarry, Stewart RR-7-6-94B-39

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	1.813E+05
RELATIVE ERROR (%):	1.34
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	331.03 6.66
SIZE OF COUNTER SQUARE (cm ²):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	3.98E+06 (114)	9.67E+06 (277)	30	656 81	12.4	9.9 15.5
2	1.30E+06 (31)	2.26E+06 (54)	25	154 42	17.2	10.7 27.2
3	1.26E+06 (30)	2.18E+06 (52)	25	148 41	17.3	10.6 27.6
4	1.44E+06 (37)	2.41E+06 (62)	27	163 42	17.9	11.6 27.3
5	2.26E+06 (54)	3.35E+06 (80)	25	227 51	20.2	14.0 28.9
6	7.68E+05 (22)	1.08E+06 (31)	30	73 26	21.3	11.7 37.9
7	1.17E+06 (28)	1.59E+06 (38)	25	108 35	22.1	13.0 36.9
8	2.69E+06 (59)	3.33E+06 (73)	23	226 53	24.2	16.9 34.6
9	1.93E+06 (46)	2.30E+06 (55)	25	156 42	25.1	16.6 37.7
10	8.38E+05 (20)	9.22E+05 (22)	25	63 26	27.2	14.1 52.2
11	3.35E+06 (96)	3.67E+06 (105)	30	249 49	27.4	20.7 36.2
12	1.99E+06 (57)	2.13E+06 (61)	30	145 37	28.0	19.1 40.8

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13	2.06E+06	(59)	2.13E+06	(61)	30	145	37	29.0	19.9	42.1
14	2.14E+06	(51)	2.14E+06	(51)	25	145	41	29.9	19.9	45.0
15	1.76E+06	(42)	1.59E+06	(38)	25	108	35	33.1	20.8	52.7
16	2.01E+06	(48)	1.68E+06	(40)	25	114	36	35.9	23.1	56.0
17	2.10E+06	(50)	1.68E+06	(40)	25	114	36	37.4	24.2	58.1
18	2.41E+06	(69)	1.85E+06	(53)	30	126	34	38.9	26.8	56.8
19	3.58E+06	(99)	2.71E+06	(75)	29	184	43	39.5	28.9	54.0
20	1.80E+06	(43)	1.34E+06	(32)	25	91	32	40.1	24.9	65.6
21	2.90E+06	(83)	2.10E+06	(60)	30	142	37	41.3	29.3	58.7
22	2.18E+06	(52)	1.55E+06	(37)	25	105	34	42.0	27.1	65.8
23	3.67E+06	(105)	2.55E+06	(73)	30	173	41	43.0	31.6	58.8
24	2.48E+06	(71)	1.68E+06	(48)	30	114	33	44.2	30.2	65.2
25	3.60E+06	(103)	2.34E+06	(67)	30	159	39	45.9	33.5	63.5
26	2.58E+06	(74)	1.68E+06	(48)	30	114	33	46.0	31.6	67.7
27	4.50E+06	(129)	2.83E+06	(81)	30	192	43	47.5	35.9	62.9
28	2.87E+06	(74)	1.78E+06	(46)	27	121	36	48.0	32.9	71.0
29	1.76E+06	(42)	1.09E+06	(26)	25	74	29	48.2	28.9	81.9
30	4.11E+06	(98)	2.39E+06	(57)	25	162	43	51.3	36.7	72.5
31	3.91E+06	(112)	2.17E+06	(62)	30	147	37	53.9	39.2	74.8
32	1.89E+06	(45)	1.01E+06	(24)	25	68	28	55.8	33.4	95.9
33	3.10E+06	(74)	1.63E+06	(39)	25	111	35	56.6	38.0	85.7
34	4.23E+06	(121)	2.17E+06	(62)	30	147	37	58.2	42.6	80.5
35	3.25E+06	(93)	1.61E+06	(46)	30	109	32	60.3	42.0	87.9
36	2.88E+06	(66)	1.40E+06	(32)	24	95	33	61.4	39.8	96.9
37	3.31E+06	(79)	1.59E+06	(38)	25	108	35	61.9	41.7	93.8
38	5.24E+06	(125)	1.76E+06	(42)	25	119	37	88.5	62.1	128.7
39	3.06E+06	(73)	1.47E+06	(35)	25	100	34	62.1	41.1	95.9
40	4.14E+06	(91)	1.91E+06	(42)	23	130	40	64.6	44.4	95.5
41	4.78E+06	(114)	2.10E+06	(50)	25	142	40	67.9	48.4	96.8
42	3.98E+06	(114)	1.75E+06	(50)	30	118	33	67.9	48.4	96.8
43	2.47E+06	(59)	1.05E+06	(25)	25	71	28	70.2	43.5	117.0
44	5.69E+06	(163)	2.23E+06	(64)	30	152	38	75.6	56.6	101.1
45	3.32E+06	(95)	1.26E+06	(36)	30	85	28	78.5	53.2	118.7
46	3.39E+06	(97)	1.22E+06	(35)	30	83	28	82.4	55.7	125.1
47	6.29E+05	(18)	2.10E+05	(6)	30	14	11	87.8	34.1	271.4
48	3.06E+06	(73)	1.01E+06	(24)	25	68	28	90.2	56.6	149.8
49	5.66E+06	(135)	1.68E+06	(40)	25	114	36	100.2	70.2	146.5
50	2.58E+06	(69)	5.61E+05	(15)	28	38	19	135.4	77.7	254.9

Lab #Z152 Field # RS93-4.FTZ Undifferentiated, Clearwater Summit Stewart RR-7-6-94B-37

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.822E+05
RELATIVE ERROR (%):	1.26
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (yr)	--95% CI--
1	9.22E+05 (22)	9.64E+05 (23)	25	65 27	28.8	15.3 54.0
2	3.47E+06 (53)	3.60E+06 (55)	16	243 66	29.0	19.5 43.1
3	3.35E+05 (8)	3.35E+05 (8)	25	23 16	30.1	9.9 91.6
4	1.44E+06 (33)	1.31E+06 (30)	24	88 32	33.1	19.6 56.1
5	1.64E+06 (25)	1.44E+06 (22)	16	97 41	34.2	18.5 63.5
6	1.72E+06 (23)	1.50E+06 (20)	14	101 45	34.6	18.2 66.3
7	8.80E+05 (21)	7.54E+05 (18)	25	51 24	35.0	17.8 69.7

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8	1.13E+06	(27)	9.64E+05	(23)	25	65	27	35.3	19.5	64.4
9	2.10E+06	(32)	1.70E+06	(26)	16	115	45	37.0	21.4	64.6
10	2.10E+06	(32)	1.64E+06	(25)	16	111	44	38.4	22.1	67.6
11	1.42E+06	(34)	1.09E+06	(26)	25	74	29	39.3	22.9	68.1
12	1.48E+06	(34)	1.05E+06	(24)	24	71	29	42.5	24.5	74.9
13	4.71E+06	(72)	3.14E+06	(48)	16	212	61	45.0	30.9	66.3
14	3.09E+06	(59)	1.89E+06	(36)	20	127	42	49.2	32.0	76.6
15	2.14E+06	(51)	1.30E+06	(31)	25	88	31	49.3	31.0	79.8
16	1.00E+06	(23)	5.67E+05	(13)	24	38	21	52.9	25.9	113.7
17	3.61E+06	(69)	1.99E+06	(38)	20	134	43	54.4	36.2	83.2
18	3.61E+06	(62)	1.80E+06	(31)	18	122	44	59.9	38.4	95.4
19	2.62E+06	(40)	1.31E+06	(20)	16	88	39	59.8	34.3	108.1
20	2.68E+06	(64)	1.26E+06	(30)	25	85	31	63.8	40.9	102.1
21	2.68E+06	(41)	1.18E+06	(18)	16	80	37	68.0	38.5	125.9
22	2.68E+06	(41)	1.05E+06	(16)	16	71	35	76.3	42.3	145.9
23	2.36E+06	(36)	7.86E+05	(12)	16	53	30	89.0	45.8	188.3

Lab# Z154, Field# RJS93-22 Fletcher's Quarry, N of Hoh, Stewart RR-7-6-94B-38

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.817E+05
RELATIVE ERROR (%):	1.30
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-s	Grain Age (Ma)	Age --95% CI--
1	1.30E+06 (31)	3.44E+06 (82)	25	233 52	11.4	7.3 17.4
2	1.76E+06 (42)	3.98E+06 (95)	25	269 56	13.3	9.0 19.3
3	1.59E+06 (38)	3.35E+06 (80)	25	227 51	14.3	9.4 21.3
4	2.88E+06 (77)	5.39E+06 (144)	28	365 61	16.1	12.2 21.3
5	2.35E+06 (56)	4.19E+06 (100)	25	284 57	16.8	11.9 23.6
6	2.81E+06 (67)	4.94E+06 (118)	25	335 62	17.1	12.4 23.2
7	1.09E+06 (26)	1.89E+06 (45)	25	128 38	17.4	10.3 28.7
8	1.68E+06 (40)	2.85E+06 (68)	25	193 47	17.7	11.6 26.5
9	1.38E+06 (33)	2.35E+06 (56)	25	159 42	17.7	11.1 27.7
10	3.94E+06 (94)	6.66E+06 (159)	25	451 72	17.8	13.7 23.0
11	2.76E+06 (79)	4.37E+06 (125)	30	295 53	19.0	14.3 25.3
12	1.24E+06 (32)	1.90E+06 (49)	27	129 37	19.6	12.2 31.2
13	2.26E+06 (54)	3.39E+06 (81)	25	230 51	20.0	13.9 28.6
14	3.35E+06 (80)	4.82E+06 (115)	25	326 61	20.9	15.7 27.9
15	1.47E+06 (35)	2.10E+06 (50)	25	142 40	21.0	13.2 33.0
16	2.03E+06 (58)	2.86E+06 (82)	30	194 43	21.3	14.9 30.1
17	1.76E+06 (42)	2.43E+06 (58)	25	165 43	21.8	14.3 32.9
18	2.51E+06 (60)	3.35E+06 (80)	25	227 51	22.5	15.8 31.9
19	3.10E+06 (74)	4.02E+06 (96)	25	272 56	23.2	16.8 31.7
20	1.38E+06 (33)	1.76E+06 (42)	25	119 37	23.6	14.5 38.1
21	4.40E+06 (126)	5.13E+06 (147)	30	348 58	25.7	20.2 32.8
22	1.77E+06 (44)	1.97E+06 (49)	26	134 38	27.0	17.5 41.3
23	3.86E+06 (92)	3.39E+06 (81)	25	230 51	34.1	25.0 46.5
24	3.04E+06 (87)	2.90E+06 (83)	30	196 43	31.4	23.0 43.0
25	4.57E+06 (109)	4.19E+06 (100)	25	284 57	32.7	24.8 43.0
26	2.51E+06 (60)	2.05E+06 (49)	25	139 40	36.7	24.8 54.7
27	2.26E+06 (54)	1.80E+06 (43)	25	122 37	37.6	24.8 57.5
28	1.22E+06 (29)	9.64E+05 (23)	25	65 27	37.8	21.1 68.3
29	3.69E+06 (88)	2.81E+06 (67)	25	190 47	39.4	28.3 54.9
30	3.14E+06 (81)	2.33E+06 (60)	27	158 41	40.4	28.6 57.5
31	2.43E+06 (58)	1.63E+06 (39)	25	111 35	44.5	29.2 68.6

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32	2.77E+06	(66)	1.63E+06	(39)	25	111	35	50.6	33.6	77.3
33	3.23E+06	(77)	1.68E+06	(40)	25	113	36	57.5	38.9	86.6
34	4.69E+06	(112)	2.43E+06	(58)	25	165	43	57.7	41.7	80.8
35	3.56E+06	(85)	1.84E+06	(44)	25	125	38	57.7	39.8	85.1
36	3.73E+06	(89)	1.93E+06	(46)	25	130	38	57.8	40.2	84.5
37	2.77E+06	(66)	1.42E+06	(34)	25	96	33	58.0	37.9	90.5
38	4.23E+06	(101)	2.18E+06	(52)	25	148	41	58.1	41.2	82.8
39	4.57E+06	(131)	2.30E+06	(66)	30	156	38	59.3	43.9	81.1
40	2.43E+06	(58)	1.22E+06	(29)	25	82	30	59.7	37.7	96.8
41	2.64E+06	(63)	1.30E+06	(31)	25	88	31	60.7	39.0	96.6
42	4.65E+06	(111)	2.18E+06	(52)	25	148	41	63.8	45.6	90.5
43	5.20E+06	(124)	2.43E+06	(58)	25	165	43	63.9	46.5	88.9
44	3.77E+06	(90)	1.76E+06	(42)	25	119	37	64.0	44.0	94.7
45	4.44E+06	(106)	2.10E+06	(50)	25	142	40	63.3	44.9	90.6

Lab# Z155, Field# RJS93-24 Owl Mountain, Stewart RR-7-6-94B-27

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.868E+05
                           RELATIVE ERROR (%):          1.00
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):                  12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):      331.03      6.66
                           SIZE OF COUNTER SQUARE (cm^2):    9.545E-07
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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm^-2)	(Ns)	RhoI (cm^-2)	(Ni)	Squares	U+/-s	Grain Age	Age --95%	CI--	
1	7.12E+05	(17)	2.64E+06	(63)	25	174	44	8.4	4.6	14.4
2	6.70E+05	(16)	1.55E+06	(37)	25	102	33	13.4	6.9	24.6
3	1.42E+06	(34)	3.18E+06	(76)	25	210	48	13.9	8.9	21.0
4	1.64E+06	(47)	2.90E+06	(83)	30	191	42	17.5	12.0	25.3
5	3.23E+06	(71)	5.42E+06	(119)	23	357	66	18.4	13.5	24.9
6	1.75E+06	(50)	2.79E+06	(80)	30	184	41	19.3	13.3	27.8
7	1.80E+06	(43)	2.85E+06	(68)	25	188	45	19.6	13.0	29.0
8	1.38E+06	(33)	2.10E+06	(50)	25	138	39	20.4	12.7	32.2
9	1.93E+06	(46)	2.89E+06	(69)	25	190	46	20.6	13.9	30.3
10	2.72E+06	(78)	4.05E+06	(116)	30	267	50	20.8	15.6	27.8
11	2.34E+06	(67)	3.46E+06	(99)	30	228	46	20.9	15.1	28.8
12	2.65E+06	(76)	3.84E+06	(110)	30	253	48	21.3	15.7	28.8
13	1.89E+06	(54)	2.72E+06	(78)	30	179	41	21.4	14.8	30.6
14	1.97E+06	(47)	2.93E+06	(70)	25	193	46	20.8	14.0	30.4
15	2.20E+06	(63)	3.11E+06	(89)	30	205	43	21.9	15.6	30.5
16	3.14E+06	(75)	4.36E+06	(104)	25	287	56	22.3	16.3	30.2
17	4.19E+06	(100)	5.74E+06	(137)	25	378	65	22.6	17.4	29.3
18	3.14E+06	(75)	3.86E+06	(92)	25	254	53	25.2	18.3	34.5
19	2.90E+06	(83)	3.25E+06	(93)	30	214	44	27.5	20.2	37.4
20	2.48E+06	(71)	2.72E+06	(78)	30	179	41	28.1	20.1	39.2
21	3.42E+06	(98)	3.70E+06	(106)	30	244	47	28.5	21.6	37.6
22	2.81E+06	(67)	2.60E+06	(62)	25	171	43	33.3	23.2	47.8
23	1.51E+06	(36)	1.30E+06	(31)	25	86	31	35.8	21.5	59.8
24	4.33E+06	(124)	3.39E+06	(97)	30	223	45	39.4	30.1	51.4
25	2.47E+06	(59)	1.76E+06	(42)	25	116	36	43.2	28.7	65.8
26	3.65E+06	(87)	2.47E+06	(59)	25	163	42	45.4	32.3	64.3
27	4.11E+06	(98)	2.60E+06	(62)	25	171	43	48.6	35.1	68.0
28	4.02E+06	(96)	2.51E+06	(60)	25	166	43	49.2	35.3	69.2
29	3.10E+06	(68)	1.91E+06	(42)	23	126	39	49.8	33.5	75.0
30	6.98E+06	(160)	4.06E+06	(93)	24	267	56	52.9	40.8	68.4
31	5.24E+06	(125)	2.85E+06	(68)	25	188	45	56.5	41.8	77.1
32	6.45E+06	(154)	3.39E+06	(81)	25	224	50	58.3	44.5	76.5
33	7.58E+06	(181)	3.94E+06	(94)	25	259	54	59.1	46.0	76.0

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34	3.69E+06	(88)	1.84E+06	(44)	25	121	36	61.4	42.4	90.4
35	6.50E+06	(155)	3.06E+06	(73)	25	201	47	65.1	49.2	86.1
36	8.43E+06	(169)	3.94E+06	(79)	21	260	58	65.6	50.1	85.8
37	8.26E+06	(197)	3.86E+06	(92)	25	254	53	65.7	51.2	84.3
38	6.75E+06	(161)	3.06E+06	(73)	25	201	47	67.6	51.2	89.2
39	5.52E+06	(116)	2.48E+06	(52)	22	163	45	68.5	49.1	96.9
40	6.18E+06	(177)	2.72E+06	(78)	30	179	41	69.5	53.2	90.9
41	8.67E+06	(207)	3.81E+06	(91)	25	251	53	69.7	54.4	89.4
42	8.72E+06	(208)	3.73E+06	(89)	25	246	52	71.6	55.8	92.0
43	5.28E+06	(126)	2.14E+06	(51)	25	141	39	75.8	54.5	107.1
44	2.93E+06	(70)	1.13E+06	(27)	25	75	28	79.4	50.5	128.8
45	6.96E+06	(186)	2.54E+06	(68)	28	168	41	83.6	63.3	110.5
46	8.26E+06	(197)	3.02E+06	(72)	25	199	47	83.7	63.8	109.7
47	9.26E+06	(221)	3.02E+06	(72)	25	199	47	93.8	71.8	122.4
48	5.40E+06	(165)	1.70E+06	(52)	32	112	31	97.2	71.0	135.4
49	3.31E+06	(79)	9.64E+05	(23)	25	63	26	104.8	65.7	174.8

Lab# Z156, Field# RJS93-50 East of 2070, Stewart RR-7-6-94B-28

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.863E+05
RELATIVE ERROR (%):	1.02
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+-2s	Grain Age (Age yr)	Age (Ma)	--95% CI--
1	2.51E+05 (6)	6.70E+05 (16)	25	44 22	11.7	3.7	31.0
2	1.47E+06 (42)	3.60E+06 (103)	30	237 47	12.6	8.6	18.2
3	1.19E+06 (34)	2.69E+06 (77)	30	178 40	13.6	8.8	20.6
4	2.10E+06 (48)	4.50E+06 (103)	24	297 59	14.4	10.0	20.4
5	1.09E+06 (26)	2.22E+06 (53)	25	147 40	15.2	9.1	24.6
6	1.59E+06 (41)	3.22E+06 (83)	27	213 47	15.2	10.2	22.4
7	1.76E+06 (42)	3.56E+06 (85)	25	235 51	15.3	10.3	22.3
8	7.12E+05 (17)	1.42E+06 (34)	25	94 32	15.5	8.1	28.3
9	2.10E+06 (52)	4.15E+06 (103)	26	274 54	15.6	10.9	21.9
10	2.51E+06 (72)	4.89E+06 (140)	30	323 55	15.9	11.9	21.2
11	2.77E+06 (66)	5.36E+06 (128)	25	354 63	15.9	11.6	21.5
12	1.66E+06 (49)	3.21E+06 (95)	31	212 44	15.9	11.0	22.7
13	2.43E+06 (58)	4.65E+06 (111)	25	307 59	16.1	11.5	22.3
14	2.10E+06 (60)	3.98E+06 (114)	30	263 49	16.2	11.7	22.4
15	1.55E+06 (37)	2.81E+06 (67)	25	185 45	17.0	11.1	25.8
16	1.80E+06 (43)	2.98E+06 (71)	25	196 47	18.7	12.5	27.6
17	2.06E+06 (59)	3.25E+06 (93)	30	214 45	19.6	13.8	27.4
18	2.54E+06 (63)	3.99E+06 (99)	26	263 53	19.6	14.1	27.1
19	2.58E+06 (74)	3.91E+06 (112)	30	258 49	20.4	15.0	27.5
20	2.58E+06 (74)	3.74E+06 (107)	30	247 48	21.3	15.6	28.9
21	1.89E+06 (54)	2.58E+06 (74)	30	171 40	22.5	15.5	32.3
22	2.27E+06 (65)	3.07E+06 (88)	30	203 43	22.8	16.2	31.7
23	2.26E+06 (54)	3.06E+06 (73)	25	202 47	22.8	15.7	32.8
24	4.09E+06 (117)	5.34E+06 (153)	30	353 57	23.6	18.5	30.1
25	2.46E+06 (61)	3.14E+06 (78)	26	208 47	24.1	16.9	34.1
26	2.37E+06 (68)	3.00E+06 (86)	30	198 43	24.4	17.4	33.8
27	2.06E+06 (59)	2.58E+06 (74)	30	171 40	24.6	17.1	35.0
28	7.54E+05 (18)	9.22E+05 (22)	25	61 26	25.2	12.7	49.1
29	1.29E+06 (37)	1.54E+06 (44)	30	101 30	25.9	16.3	41.0
30	2.22E+06 (53)	2.51E+06 (60)	25	166 43	27.2	18.4	40.0
31	1.97E+06 (47)	2.18E+06 (52)	25	144 40	27.8	18.3	42.1

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32	1.78E+06	(51)	1.96E+06	(56)	30	129	34	28.0	18.8	41.7
33	2.13E+06	(57)	2.81E+06	(75)	28	185	43	23.4	16.3	33.5
34	3.31E+06	(79)	3.44E+06	(82)	25	227	50	29.6	21.5	40.9
35	2.68E+06	(64)	2.47E+06	(59)	25	163	42	33.4	23.1	48.3
36	2.73E+06	(60)	2.41E+06	(53)	23	159	44	34.8	23.7	51.3
37	6.29E+05	(18)	5.59E+05	(16)	30	37	18	34.6	16.7	72.3
38	3.27E+06	(78)	2.60E+06	(62)	25	172	44	38.7	27.4	54.9
39	3.60E+06	(86)	2.72E+06	(65)	25	180	45	40.6	29.1	57.0
40	4.54E+06	(130)	3.35E+06	(96)	30	221	45	41.6	31.9	54.2
41	2.97E+06	(85)	1.85E+06	(53)	30	122	34	49.2	34.6	70.7
42	3.14E+06	(90)	1.89E+06	(54)	30	125	34	51.1	36.2	73.0
43	4.57E+06	(131)	2.72E+06	(78)	30	180	41	51.4	38.8	68.2
44	2.05E+06	(49)	1.22E+06	(29)	25	80	30	51.8	32.2	85.0
45	3.45E+06	(89)	2.02E+06	(52)	27	133	37	52.5	36.9	75.4
46	3.39E+06	(97)	1.68E+06	(48)	30	111	32	61.9	43.5	89.4
47	3.56E+06	(85)	1.55E+06	(37)	25	102	33	70.3	47.4	106.4
48	3.55E+06	(95)	1.46E+06	(39)	28	96	31	74.5	51.0	111.1
49	3.90E+06	(93)	1.30E+06	(31)	25	86	31	91.5	60.7	142.3
50	4.43E+06	(110)	1.17E+06	(29)	26	77	28	115.4	76.6	180.3

Lab# Z157 Field# 93-56 End of Hoh sample, S Fork Campground

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.755E+05
                           RELATIVE ERROR (%):      1.30
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
                           ZETA FACTOR AND STANDARD ERROR (yr cm^2): 331.03      6.66
                           SIZE OF COUNTER SQUARE (cm^2):      9.545E-07
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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	7.12E+05 (17)	1.30E+06 (31)	25	91 33	16.0	8.3 29.6
2	1.19E+06 (34)	1.89E+06 (54)	30	132 36	18.3	11.5 28.6
3	1.76E+06 (42)	2.39E+06 (57)	25	167 44	21.4	14.0 32.4
4	1.17E+06 (28)	1.47E+06 (35)	25	103 35	23.2	13.6 39.2
5	1.41E+06 (35)	1.69E+06 (42)	26	119 37	24.2	15.0 38.8
6	1.59E+06 (38)	1.68E+06 (40)	25	117 37	27.5	17.2 44.0
7	2.38E+06 (59)	2.34E+06 (58)	26	164 43	29.5	20.2 43.1
8	1.09E+06 (28)	9.70E+05 (25)	27	68 27	32.4	18.3 58.0
9	1.63E+06 (39)	9.22E+05 (22)	25	65 27	51.1	29.7 90.6
10	2.81E+06 (51)	1.21E+06 (22)	19	85 36	66.7	40.0 115.6

Lab# Z162, Field# RJS94-15 Snahapish River, Stewart RR-2-6-96B-8

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.789E+05
                           RELATIVE ERROR (%):      1.17
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
                           ZETA FACTOR AND STANDARD ERROR (yr cm^2): 331.03      6.66
                           SIZE OF COUNTER SQUARE (cm^2):      9.545E-07
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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	1.42E+06 (34)	3.39E+06 (81)	25	233 52	12.5	8.1 18.8
2	1.09E+06 (26)	2.14E+06 (51)	25	147 41	15.1	9.0 24.6
3	9.64E+05 (23)	1.76E+06 (42)	25	121 37	16.2	9.3 27.5
4	1.63E+06 (39)	2.93E+06 (70)	25	202 48	16.5	10.8 24.7
5	1.05E+06 (16)	1.77E+06 (27)	16	122 46	17.6	8.8 33.7

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6	1.09E+06	(26)	1.80E+06	(43)	25	124	38	17.9	10.5	29.8
7	2.03E+06	(58)	2.97E+06	(85)	30	204	44	20.2	14.2	28.5
8	2.68E+06	(41)	3.86E+06	(59)	16	266	69	20.6	13.4	31.1
9	1.84E+06	(44)	2.56E+06	(61)	25	176	45	21.3	14.1	31.9
10	7.57E+05	(13)	9.89E+05	(17)	18	68	33	22.7	10.1	49.3
11	1.09E+06	(26)	1.22E+06	(29)	25	84	31	26.5	15.0	46.6
12	2.10E+06	(50)	2.10E+06	(50)	25	144	41	29.5	19.6	44.6
13	1.09E+06	(26)	6.29E+05	(15)	25	43	22	50.9	26.1	103.5

Lab# Z163, Field# RJS94-18 NE Solleks River ridge, Stewart RR-2-6-96B-10

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.786E+05
RELATIVE ERROR (%):	1.12
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	3.25E+05 (9)	7.95E+05 (22)	29	55 23	12.2	4.9 27.3
2	5.24E+05 (14)	1.27E+06 (34)	28	88 30	12.2	6.0 23.3
3	4.03E+05 (10)	8.06E+05 (20)	26	55 25	14.9	6.2 33.0
4	9.64E+05 (23)	1.80E+06 (43)	25	124 38	15.8	9.1 26.8
5	2.13E+06 (55)	3.84E+06 (99)	27	265 53	16.4	11.6 23.0
6	1.22E+06 (35)	2.10E+06 (60)	30	144 37	17.3	11.0 26.6
7	1.17E+06 (28)	2.01E+06 (48)	25	139 40	17.3	10.4 28.0
8	1.00E+06 (23)	1.57E+06 (36)	24	108 36	18.9	10.7 32.7
9	1.45E+06 (36)	2.14E+06 (53)	26	147 40	20.1	12.8 31.2
10	6.16E+05 (20)	8.94E+05 (29)	34	62 23	20.4	10.9 37.2
11	1.59E+06 (38)	2.30E+06 (55)	25	159 43	20.4	13.1 31.4
12	2.22E+06 (55)	3.10E+06 (77)	26	214 49	21.1	14.6 30.2
13	8.38E+05 (20)	1.17E+06 (28)	25	81 30	21.1	11.3 38.8
14	2.17E+06 (58)	2.96E+06 (79)	28	204 46	21.7	15.2 30.8
15	1.30E+06 (31)	1.72E+06 (41)	25	118 37	22.3	13.5 36.4
16	2.41E+06 (69)	3.14E+06 (90)	30	216 46	22.6	16.3 31.3
17	1.34E+06 (32)	1.72E+06 (41)	25	118 37	23.1	14.0 37.5
18	7.86E+05 (21)	9.35E+05 (25)	28	64 26	24.8	13.2 46.1
19	1.17E+06 (28)	1.34E+06 (32)	25	92 32	25.8	15.0 44.2
20	7.96E+05 (19)	8.38E+05 (20)	25	58 26	28.0	14.2 55.2
21	9.22E+05 (22)	9.22E+05 (22)	25	63 27	29.5	15.6 55.8
22	1.13E+06 (26)	1.13E+06 (26)	24	78 30	29.5	16.5 52.8
23	1.76E+06 (42)	1.63E+06 (39)	25	113 36	31.7	20.1 50.4
24	5.92E+05 (13)	5.47E+05 (12)	23	38 21	31.9	13.5 76.4
25	1.50E+06 (33)	1.32E+06 (29)	23	91 34	33.5	19.8 57.2
26	2.22E+06 (53)	1.76E+06 (42)	25	121 37	37.2	24.4 57.1
27	2.49E+06 (69)	1.88E+06 (52)	29	129 36	39.1	26.9 57.1
28	1.66E+06 (38)	1.13E+06 (26)	24	78 30	43.0	25.5 73.7
29	7.96E+05 (19)	5.45E+05 (13)	25	38 20	42.9	20.2 94.5
30	1.77E+06 (44)	1.17E+06 (29)	26	80 30	44.6	27.4 74.0
31	3.02E+06 (72)	1.97E+06 (47)	25	136 39	45.1	30.8 66.6
32	2.01E+06 (48)	1.30E+06 (31)	25	89 32	45.5	28.5 74.0
33	1.89E+06 (45)	1.17E+06 (28)	25	81 30	47.2	28.9 78.7
34	2.97E+06 (68)	1.79E+06 (41)	24	123 38	48.8	32.7 73.7
35	1.92E+06 (44)	1.13E+06 (26)	24	78 30	49.7	30.0 84.1
36	2.62E+06 (60)	1.53E+06 (35)	24	105 35	50.4	32.8 78.8
37	2.43E+06 (58)	1.38E+06 (33)	25	95 33	51.6	33.2 81.8
38	1.82E+06 (47)	1.01E+06 (26)	27	69 27	53.1	32.3 89.3
39	1.80E+06 (43)	9.64E+05 (23)	25	66 27	54.9	32.5 95.4

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40	3.80E+06	(87)	2.01E+06	(46)	24	138	41	55.6	38.5	81.3
41	2.30E+06	(55)	1.22E+06	(29)	25	84	31	55.7	35.0	90.6
42	2.10E+06	(50)	1.09E+06	(26)	25	75	29	56.4	34.6	94.5
43	3.76E+06	(97)	1.90E+06	(49)	27	131	37	58.2	40.9	83.8
44	1.37E+06	(34)	6.85E+05	(17)	26	47	23	58.6	32.0	111.9
45	2.35E+06	(56)	1.05E+06	(25)	25	72	29	65.6	40.5	109.9
46	2.35E+06	(56)	9.22E+05	(22)	25	63	27	74.5	45.0	128.2

Lab# Z168, Field# RJS95-5 Kalaloch Creek Loop, Stewart RR-2-6-96B-22

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.412E+05
RELATIVE ERROR (%):	0.99
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age Age	Age --95% CI--
1	6.29E+05 (15)	1.76E+06 (42)	25	153 47	8.4	4.3 15.4
2	2.35E+06 (56)	5.41E+06 (129)	25	471 83	10.2	7.3 14.0
3	6.70E+05 (16)	1.09E+06 (26)	25	95 37	14.4	7.2 27.8
4	1.31E+06 (30)	2.53E+06 (58)	24	221 58	12.1	7.5 19.1
5	1.22E+06 (29)	1.89E+06 (45)	25	164 49	15.1	9.1 24.5
6	7.96E+05 (19)	1.17E+06 (28)	25	102 38	15.9	8.4 29.4
7	2.10E+06 (50)	3.02E+06 (72)	25	263 62	16.2	11.1 23.6
8	1.26E+06 (30)	1.72E+06 (41)	25	150 47	17.1	10.3 28.0
9	8.80E+05 (21)	1.17E+06 (28)	25	102 38	17.5	9.5 31.9
10	2.26E+06 (54)	2.93E+06 (70)	25	256 61	18.0	12.4 26.0
11	1.96E+06 (56)	2.44E+06 (70)	30	213 51	18.7	12.9 26.9
12	2.05E+06 (49)	2.56E+06 (61)	25	223 57	18.8	12.6 27.8
13	1.47E+06 (35)	1.59E+06 (38)	25	139 45	21.5	13.2 34.9
14	2.05E+06 (49)	2.14E+06 (51)	25	186 52	22.4	14.8 33.8
15	2.30E+06 (55)	2.35E+06 (56)	25	204 55	22.9	15.5 33.8
16	3.65E+06 (87)	3.35E+06 (80)	25	292 65	25.4	18.5 34.8
17	4.27E+06 (102)	3.90E+06 (93)	25	339 71	25.6	19.3 33.9
18	1.15E+06 (33)	1.05E+06 (30)	30	91 33	25.6	15.2 43.5
19	2.10E+06 (50)	1.63E+06 (39)	25	142 45	29.9	19.3 46.6
20	3.35E+06 (80)	2.60E+06 (62)	25	226 57	30.1	21.3 42.6
21	3.36E+06 (77)	1.48E+06 (34)	24	129 44	52.6	34.8 81.3
22	4.02E+06 (96)	2.47E+06 (59)	25	215 56	37.9	27.1 53.3
23	7.54E+05 (18)	4.19E+05 (10)	25	37 23	41.6	18.4 101.2
24	3.42E+06 (98)	1.89E+06 (54)	30	164 45	42.2	30.0 60.0
25	3.35E+06 (80)	1.72E+06 (41)	25	150 47	45.4	30.8 67.8
26	2.30E+06 (55)	1.13E+06 (27)	25	99 38	47.3	29.4 78.1
27	3.94E+06 (94)	1.93E+06 (46)	25	168 49	47.5	33.1 69.2
28	5.07E+06 (121)	2.14E+06 (51)	25	186 52	55.1	39.5 78.1
29	2.39E+06 (57)	9.22E+05 (22)	25	80 34	60.0	36.3 103.2
30	3.35E+06 (80)	1.59E+06 (38)	25	139 45	48.9	32.9 74.0
31	2.60E+06 (62)	8.80E+05 (21)	25	77 33	68.3	41.3 118.1
32	3.06E+06 (73)	1.01E+06 (24)	25	88 35	70.4	44.1 116.9
33	2.77E+06 (66)	8.38E+05 (20)	25	73 32	76.2	46.0 133.0
34	3.77E+06 (90)	9.22E+05 (22)	25	80 34	94.4	59.2 158.2
35	2.18E+06 (52)	1.13E+06 (27)	25	99 38	44.7	27.7 74.1
36	2.18E+06 (52)	4.61E+05 (11)	25	40 24	108.3	56.7 230.7

Lab# Z170, Field# RJS95-13 Dry Creek, Stewart RR-2-6-96B-25

Data Repository item 2004023

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	1.769E+05
RELATIVE ERROR (%):	1.02
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	331.03 6.66
SIZE OF COUNTER SQUARE (cm ²):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	8.15E+05 (21)	1.90E+06 (49)	27	132 38	12.6	7.1 21.3
2	1.30E+06 (31)	2.47E+06 (59)	25	172 45	15.4	9.6 24.1
3	3.77E+05 (9)	7.12E+05 (17)	25	50 24	15.6	6.1 36.7
4	1.01E+06 (24)	1.63E+06 (39)	25	114 36	18.0	10.4 30.7
5	2.35E+06 (56)	3.65E+06 (87)	25	253 54	18.8	13.2 26.6
6	1.85E+06 (53)	2.58E+06 (74)	30	180 42	21.0	14.4 30.2
7	6.70E+05 (16)	9.22E+05 (22)	25	64 27	21.3	10.4 42.3
8	1.26E+06 (30)	1.72E+06 (41)	25	119 37	21.4	12.9 35.1
9	1.40E+06 (40)	1.85E+06 (53)	30	129 35	22.1	14.3 33.9
10	1.38E+06 (33)	1.80E+06 (43)	25	125 38	22.5	13.8 36.1
11	7.54E+05 (18)	9.64E+05 (23)	25	67 28	22.9	11.6 44.2
12	1.40E+06 (32)	1.70E+06 (39)	24	118 38	24.0	14.5 39.3
13	1.01E+06 (24)	1.22E+06 (29)	25	84 31	24.2	13.5 43.0
14	1.30E+06 (31)	1.55E+06 (37)	25	108 35	24.5	14.7 40.5
15	1.09E+06 (26)	1.30E+06 (31)	25	90 32	24.5	14.0 42.6
16	2.10E+06 (50)	2.47E+06 (59)	25	172 45	24.8	16.6 36.7
17	1.63E+06 (39)	1.89E+06 (45)	25	131 39	25.3	16.1 39.8
18	2.24E+06 (62)	2.35E+06 (65)	29	163 40	27.9	19.4 40.1
19	1.22E+06 (29)	1.26E+06 (30)	25	87 32	28.2	16.4 48.6
20	1.61E+06 (43)	1.65E+06 (44)	28	114 34	28.6	18.3 44.5
21	2.47E+06 (59)	2.30E+06 (55)	25	160 43	31.3	21.3 46.1
22	1.96E+06 (56)	1.75E+06 (50)	30	121 34	32.7	21.9 48.9
23	1.97E+06 (47)	1.72E+06 (41)	25	119 37	33.5	21.6 52.1
24	1.84E+06 (44)	1.55E+06 (37)	25	108 35	34.7	21.9 55.2
25	1.51E+06 (36)	1.26E+06 (30)	25	87 32	35.0	21.0 58.8
26	1.13E+06 (26)	9.17E+05 (21)	24	64 28	36.1	19.6 67.4
27	2.60E+06 (62)	1.80E+06 (43)	25	125 38	42.0	28.1 63.5
28	3.39E+06 (81)	2.26E+06 (54)	25	157 43	43.7	30.7 62.9
29	1.61E+06 (43)	9.35E+05 (25)	28	65 26	50.0	30.0 85.5
30	2.10E+06 (60)	1.15E+06 (33)	30	80 28	52.9	34.1 83.6
31	2.88E+06 (66)	1.48E+06 (34)	24	103 35	56.5	36.9 88.1
32	3.10E+06 (74)	1.55E+06 (37)	25	108 35	58.2	38.8 88.8
33	1.51E+06 (36)	6.70E+05 (16)	25	47 23	65.2	35.5 126.0
34	2.85E+06 (68)	1.26E+06 (30)	25	87 32	65.8	42.4 104.9
35	3.39E+06 (81)	1.38E+06 (33)	25	96 33	71.3	47.2 110.4
36	6.29E+05 (15)	2.93E+05 (7)	25	20 15	61.7	24.0 179.4
37	3.06E+06 (73)	9.64E+05 (23)	25	67 28	91.8	57.2 153.9

Lab# 171, Field# RS95-15 E of South Fork Hoh Camp Ground, Stewart RR-2-6-96B-26

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm ²):	1.768E+05
RELATIVE ERROR (%):	1.03
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm ²):	331.03 6.66
SIZE OF COUNTER SQUARE (cm ²):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm ⁻²)	RhoI (Ni) (cm ⁻²)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
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1	1.53E+06	(35)	3.06E+06	(70)	24	213	51	14.7	9.5	22.2
2	8.38E+05	(20)	1.47E+06	(35)	25	102	34	16.8	9.1	29.7
3	1.09E+06	(26)	1.89E+06	(45)	25	131	39	16.9	10.0	28.0
4	7.12E+05	(17)	1.13E+06	(27)	25	79	30	18.5	9.4	35.0
5	9.22E+05	(22)	1.42E+06	(34)	25	99	34	19.0	10.5	33.3
6	1.05E+06	(25)	1.59E+06	(38)	25	111	36	19.3	11.1	32.7
7	1.22E+06	(29)	1.84E+06	(44)	25	128	39	19.3	11.6	31.5
8	1.47E+06	(35)	2.22E+06	(53)	25	155	42	19.3	12.2	30.1
9	1.34E+06	(32)	2.01E+06	(48)	25	140	40	19.5	12.1	31.1
10	1.09E+06	(26)	1.63E+06	(39)	25	114	36	19.5	11.4	32.8
11	9.64E+05	(23)	1.38E+06	(33)	25	96	33	20.4	11.4	35.7
12	1.37E+06	(30)	1.87E+06	(41)	23	130	40	21.4	12.9	35.1
13	8.46E+05	(21)	1.05E+06	(26)	26	73	28	23.6	12.6	43.6
14	1.62E+06	(37)	1.96E+06	(45)	24	137	41	24.0	15.1	37.9
15	6.70E+05	(16)	7.54E+05	(18)	25	52	24	26.0	12.4	53.8
16	1.34E+06	(32)	1.34E+06	(32)	25	93	33	29.2	17.3	49.2
17	1.34E+06	(32)	1.26E+06	(30)	25	87	32	31.1	18.3	53.0
18	1.05E+06	(25)	9.64E+05	(23)	25	67	28	31.7	17.3	58.4
19	1.17E+06	(28)	1.05E+06	(25)	25	73	29	32.7	18.4	58.4
20	1.47E+06	(35)	1.26E+06	(30)	25	87	32	34.0	20.3	57.3
21	1.09E+06	(26)	9.22E+05	(22)	25	64	27	34.5	18.8	63.7
22	1.09E+06	(25)	6.98E+05	(16)	24	49	24	45.4	23.4	91.0
23	2.27E+06	(52)	1.44E+06	(33)	24	100	35	45.9	29.2	73.3
24	1.70E+06	(39)	9.17E+05	(21)	24	64	28	53.9	31.1	96.6
25	2.31E+06	(53)	1.22E+06	(28)	24	85	32	55.0	34.3	90.4
26	2.30E+06	(55)	1.13E+06	(27)	25	79	30	59.2	36.8	97.6
27	2.22E+06	(53)	1.05E+06	(25)	25	73	29	61.5	37.8	103.4
28	2.98E+06	(71)	1.30E+06	(31)	25	90	32	66.5	43.2	105.0

Lab# Z173, Field# RJS95-18b Mélange sandstone, Abbey Is., Stewart RR-2-6-96B-28

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.765E+05
                           RELATIVE ERROR (%):      1.06
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
                           ZETA FACTOR AND STANDARD ERROR (yr cm^2): 331.03      6.66
                           SIZE OF COUNTER SQUARE (cm^2):      9.545E-07
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----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+-/2s	Grain Age (yr)	Age --95% CI--
1	2.27E+06 (52)	2.40E+06 (55)	24	167 45	27.6	18.5 41.0
2	1.22E+06 (29)	1.13E+06 (27)	25	79 30	31.3	17.9 54.9
3	1.49E+06 (37)	1.25E+06 (31)	26	87 31	34.7	21.0 57.9
4	1.63E+06 (39)	1.34E+06 (32)	25	93 33	35.5	21.7 58.5
5	1.97E+06 (47)	1.51E+06 (36)	25	105 35	38.0	24.1 60.4
6	1.51E+06 (36)	1.01E+06 (24)	25	70 28	43.6	25.4 76.4
7	1.40E+06 (36)	8.92E+05 (23)	27	62 26	45.4	26.3 80.4
8	2.10E+06 (60)	9.08E+05 (26)	30	63 25	66.8	41.7 110.4
9	2.30E+06 (55)	7.54E+05 (18)	25	53 24	88.1	51.4 159.6

Lab # Z175 Field # RS62796.FTZ Undifferentiated (La Push) Stewart RR-5-2197B-24

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>>NEW PARAMETERS--ZETA METHOD<<
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):      1.593E+05
                           RELATIVE ERROR (%):      1.30
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):      12.30
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ZETA FACTOR AND STANDARD ERROR (yr cm⁻²): 331.03 6.66
 SIZE OF COUNTER SQUARE (cm⁻²): 9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-2s	Grain Age	Age (Ma)	--95% CI--
1	9.82E+05	(15)	1.51E+06	(23)	16	116 48	17.2	8.3	34.3
2	5.24E+05	(15)	7.68E+05	(22)	30	59 25	18.0	8.7	36.2
3	7.20E+05	(22)	9.49E+05	(29)	32	73 27	20.0	10.9	36.0
4	1.05E+06	(16)	1.38E+06	(21)	16	106 46	20.1	9.8	40.3
5	8.51E+05	(13)	1.11E+06	(17)	16	86 41	20.2	9.0	44.0
6	6.29E+05	(15)	7.96E+05	(19)	25	61 28	20.8	9.8	43.1
7	1.59E+06	(38)	1.84E+06	(44)	25	142 43	22.7	14.3	35.9
8	2.23E+06	(34)	2.49E+06	(38)	16	192 62	23.6	14.4	38.4
9	1.47E+06	(35)	1.55E+06	(37)	25	120 39	24.9	15.2	40.6
10	1.38E+06	(21)	1.44E+06	(22)	16	111 47	25.1	13.1	47.8
11	1.10E+06	(22)	1.15E+06	(23)	21	89 37	25.2	13.4	47.2
12	2.82E+06	(43)	2.88E+06	(44)	16	222 67	25.7	16.5	40.1
13	1.31E+06	(20)	1.24E+06	(19)	16	96 44	27.7	14.0	54.8
14	1.57E+06	(24)	1.44E+06	(22)	16	111 47	28.7	15.4	53.6
15	2.29E+06	(35)	2.03E+06	(31)	16	157 56	29.7	17.8	49.8
16	1.31E+06	(20)	1.11E+06	(17)	16	86 41	30.9	15.4	62.8
17	2.82E+06	(43)	2.23E+06	(34)	16	172 59	33.2	20.7	53.7
18	1.28E+06	(22)	9.89E+05	(17)	18	76 37	34.0	17.3	68.1
19	1.11E+06	(17)	8.51E+05	(13)	16	66 36	34.3	15.7	76.8
20	1.18E+06	(18)	8.51E+05	(13)	16	66 36	36.3	16.9	80.6
21	1.12E+06	(32)	8.03E+05	(23)	30	62 26	36.5	20.8	65.4
22	1.80E+06	(43)	1.17E+06	(28)	25	91 34	40.3	24.5	67.4
23	3.01E+06	(46)	1.77E+06	(27)	16	137 52	44.7	27.3	74.8
24	1.96E+06	(45)	1.13E+06	(26)	24	88 34	45.4	27.5	76.6
25	1.84E+06	(44)	1.05E+06	(25)	25	81 32	46.1	27.7	78.7
26	1.25E+06	(25)	6.49E+05	(13)	21	50 27	50.2	24.9	107.1
27	1.13E+06	(27)	5.87E+05	(14)	25	45 24	50.4	25.7	104.1
28	2.16E+06	(33)	1.11E+06	(17)	16	86 41	50.7	27.6	97.3
29	2.05E+06	(49)	1.05E+06	(25)	25	81 32	51.3	31.2	86.8
30	2.14E+06	(51)	1.09E+06	(26)	25	84 33	51.4	31.5	85.9
31	2.36E+06	(36)	1.11E+06	(17)	16	86 41	55.3	30.5	105.2
32	1.83E+06	(28)	8.51E+05	(13)	16	66 36	56.2	28.4	118.4
33	2.85E+06	(68)	1.30E+06	(31)	25	100 36	57.4	37.2	91.0
34	7.68E+05	(22)	3.49E+05	(10)	30	27 17	57.2	26.3	135.8
35	2.16E+06	(33)	9.17E+05	(14)	16	71 37	61.4	32.3	124.6
36	1.77E+06	(27)	7.20E+05	(11)	16	56 33	63.8	31.0	143.0
37	1.34E+06	(32)	5.45E+05	(13)	25	42 23	64.1	33.0	133.4
38	1.90E+06	(29)	7.20E+05	(11)	16	56 33	68.5	33.6	152.5
39	1.22E+06	(35)	4.54E+05	(13)	30	35 19	70.0	36.5	144.7
40	2.68E+06	(41)	7.86E+05	(12)	16	61 34	88.6	46.3	185.7
41	1.84E+06	(44)	4.19E+05	(10)	25	32 20	113.6	57.2	253.6

Lab #Z176 Field # RS63096.FTZ Undifferentiated (Scott) Stewart RR-5-21-97B-25

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm⁻²): 1.587E+05
 RELATIVE ERROR (%): 1.31
 EFFECTIVE URANIUM CONTENT OF MONITOR (ppm): 12.30
 ZETA FACTOR AND STANDARD ERROR (yr cm⁻²): 331.03 6.66
 SIZE OF COUNTER SQUARE (cm⁻²): 9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm ⁻²)	(Ns)	RhoI (cm ⁻²)	(Ni)	Squares	U+/-2s	Grain Age	Age (Ma)	--95% CI--
1	6.55E+05	(10)	1.57E+06	(24)	16	122 49	11.0	4.7	23.7

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2	2.93E+05	(7)	7.12E+05	(17)	25	55	26	11.0	3.8	27.4
3	7.86E+05	(12)	1.44E+06	(22)	16	112	47	14.4	6.5	30.2
4	5.89E+05	(9)	8.51E+05	(13)	16	66	36	18.3	6.9	45.8
5	7.96E+05	(19)	1.05E+06	(25)	25	81	32	20.0	10.4	37.7
6	6.70E+05	(16)	7.12E+05	(17)	25	55	26	24.7	11.7	51.9
7	1.24E+06	(19)	1.31E+06	(20)	16	101	45	24.9	12.6	49.1
8	4.80E+05	(11)	4.80E+05	(11)	24	37	22	26.2	10.3	66.5
9	4.61E+05	(11)	4.61E+05	(11)	25	36	21	26.2	10.3	66.5
10	5.45E+05	(13)	5.03E+05	(12)	25	39	22	28.4	12.0	67.9
11	7.86E+05	(12)	6.55E+05	(10)	16	51	31	31.4	12.5	81.0
12	1.22E+06	(29)	7.96E+05	(19)	25	62	28	39.9	21.7	75.3
13	1.51E+06	(23)	7.20E+05	(11)	16	56	33	54.3	25.7	123.7
14	4.61E+05	(11)	2.10E+05	(5)	25	16	14	56.6	18.5	208.8
15	2.10E+06	(50)	9.64E+05	(23)	25	75	31	56.6	34.1	97.4

Lab# Z178 Field# RS93-49.FTZ RR-2-6-96B-34 C-3600 "Greensand"

>>NEW PARAMETERS--ZETA METHOD<<										
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):										1.758E+05
RELATIVE ERROR (%):										1.21
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):										12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):										331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):										9.545E-07
----- GRAIN AGES IN ORIGINAL ORDER -----										
Grain	RhoS	(Ns)	RhoI	(Ni)	Squares	U+/-2s	Grain	Age (Ma)	Age	--95% CI--
no.	(cm^-2)		(cm^-2)							
1	5.45E+05	(13)	6.70E+05	(16)	25	47	23	23.7	10.4	52.2
2	1.09E+06	(26)	1.26E+06	(30)	25	88	32	25.2	14.3	44.0
3	3.27E+06	(50)	3.27E+06	(50)	16	229	65	29.0	19.2	43.8
4	2.88E+06	(33)	2.44E+06	(28)	12	171	64	34.2	20.1	58.7
5	9.22E+05	(22)	7.54E+05	(18)	25	53	25	35.4	18.2	70.0
6	1.90E+06	(29)	1.51E+06	(23)	16	105	44	36.5	20.5	66.1
7	2.44E+06	(28)	1.75E+06	(20)	12	122	54	40.5	22.1	75.9
8	3.38E+06	(29)	1.98E+06	(17)	9	138	66	49.3	26.3	95.6
9	3.01E+06	(46)	1.64E+06	(25)	16	115	45	53.2	32.1	90.4
10	3.80E+06	(58)	1.83E+06	(28)	16	128	48	59.8	37.6	97.6
11	1.55E+06	(37)	6.70E+05	(16)	25	47	23	66.6	36.4	128.3
12	4.66E+06	(40)	1.98E+06	(17)	9	138	66	67.7	37.8	127.6
13	7.60E+06	(116)	2.95E+06	(45)	16	206	61	74.4	52.5	107.5
14	3.97E+06	(53)	1.42E+06	(19)	14	99	45	80.2	47.1	143.7
15	3.67E+06	(42)	1.31E+06	(15)	12	92	47	80.4	44.1	156.3
16	1.70E+06	(26)	5.89E+05	(9)	16	41	27	82.5	38.0	200.8
17	2.75E+06	(42)	7.20E+05	(11)	16	50	30	109.0	55.9	235.0

Lab #Z182 Field # RS94-17.FTZ Undifferentiated Stewart RR-2-6-96B-9

>>NEW PARAMETERS--ZETA METHOD<<										
EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):										1.788E+05
RELATIVE ERROR (%):										1.15
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):										12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):										331.03 7.20
SIZE OF COUNTER SQUARE (cm^2):										9.545E-07
----- GRAIN AGES IN ORIGINAL ORDER -----										
Grain	RhoS	(Ns)	RhoI	(Ni)	Squares	U+/-2s	Grain	Age (Ma)	Age	--95% CI--
no.	(cm^-2)		(cm^-2)							
1	6.36E+05	(17)	1.68E+06	(45)	28	116	34	11.2	6.0	19.9
2	8.38E+05	(16)	2.15E+06	(41)	20	148	46	11.6	6.0	21.0
3	1.38E+06	(21)	3.14E+06	(48)	16	216	62	13.0	7.4	22.0

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4	3.35E+05	(8)	5.45E+05	(13)	25	37	20	18.3	6.5	47.2
5	1.77E+06	(22)	2.74E+06	(34)	13	188	64	19.2	10.7	33.6
6	2.23E+06	(34)	3.40E+06	(52)	16	234	65	19.4	12.2	30.3
7	1.09E+06	(26)	1.42E+06	(34)	25	98	33	22.6	13.0	38.8
8	2.62E+06	(40)	3.27E+06	(50)	16	225	64	23.7	15.2	36.5
9	7.86E+05	(18)	9.60E+05	(22)	24	66	28	24.2	12.2	47.1
10	1.62E+06	(31)	1.94E+06	(37)	20	133	44	24.8	14.9	41.0
11	1.11E+06	(17)	1.31E+06	(20)	16	90	40	25.1	12.4	50.4
12	2.36E+06	(36)	2.42E+06	(37)	16	167	55	28.7	17.6	46.7
13	9.82E+05	(15)	9.17E+05	(14)	16	63	33	31.6	14.2	70.5
14	2.55E+06	(39)	2.36E+06	(36)	16	162	54	32.0	19.8	51.7
15	2.36E+06	(36)	1.96E+06	(30)	16	135	49	35.4	21.2	59.5
16	3.14E+06	(48)	2.55E+06	(39)	16	176	56	36.3	23.3	56.9
17	1.68E+06	(40)	1.26E+06	(30)	25	86	31	39.3	23.9	65.3
18	3.73E+06	(57)	2.88E+06	(44)	16	198	60	38.2	25.4	57.9
19	2.68E+06	(41)	2.03E+06	(31)	16	140	50	39.0	23.9	64.3
20	4.19E+06	(40)	3.14E+06	(30)	10	216	78	39.3	23.9	65.3
21	1.34E+06	(23)	9.89E+05	(17)	18	68	33	39.8	20.4	79.4
22	2.15E+06	(43)	1.55E+06	(31)	21	106	38	40.9	25.2	67.1
23	3.08E+06	(47)	2.10E+06	(32)	16	144	51	43.2	27.1	70.0
24	3.34E+06	(51)	2.23E+06	(34)	16	153	52	44.2	28.1	70.3
25	3.42E+06	(49)	2.17E+06	(31)	15	149	53	46.5	29.2	75.5
26	2.29E+06	(35)	1.38E+06	(21)	16	95	41	49.0	27.8	88.6
27	1.96E+06	(30)	1.18E+06	(18)	16	81	38	49.0	26.5	93.3
28	3.60E+06	(55)	2.10E+06	(32)	16	144	51	50.6	32.2	80.8
29	4.85E+06	(74)	2.82E+06	(43)	16	194	59	50.6	34.4	75.6
30	2.95E+06	(45)	1.70E+06	(26)	16	117	46	50.9	30.8	86.0
31	4.65E+06	(71)	2.16E+06	(33)	16	149	51	63.2	41.4	98.7
32	3.49E+05	(8)	1.31E+05	(3)	24	9	10	76.0	18.9	446.1
33	3.08E+06	(47)	1.11E+06	(17)	16	77	37	80.8	45.9	150.3
34	3.99E+06	(61)	1.24E+06	(19)	16	86	39	93.8	55.7	166.3
35	4.32E+06	(66)	1.24E+06	(19)	16	86	39	101.4	60.6	179.0

Lab# Z183, Field# 97-13 S Abutment, Solleks R. bridge, Stewart RR-3-20-98-65

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.737E+05
RELATIVE ERROR (%):	1.49
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.70
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (cm^-2)	(Ns)	RhoI (cm^-2)	(Ni)	Squares	U+-/2s	Grain Age	Age --95% CI--
1	1.38E+06	(33)	3.35E+06	(80)	25	245	55	11.9 7.6 18.0
2	6.29E+05	(15)	1.42E+06	(34)	25	104	36	12.7 6.4 23.9
3	1.62E+06	(31)	3.35E+06	(64)	20	245	61	13.9 8.7 21.7
4	1.73E+06	(66)	3.25E+06	(124)	40	237	43	15.3 11.1 20.8
5	4.61E+05	(11)	8.38E+05	(20)	25	61	27	15.9 6.8 34.6
6	7.96E+05	(19)	1.42E+06	(34)	25	104	36	16.1 8.6 28.9
7	1.13E+06	(27)	1.89E+06	(45)	25	138	41	17.3 10.3 28.4
8	2.27E+06	(52)	3.62E+06	(83)	24	265	59	18.0 12.5 25.8
9	1.05E+06	(30)	1.61E+06	(46)	30	117	35	18.8 11.4 30.3
10	1.89E+06	(45)	2.89E+06	(69)	25	211	51	18.7 12.6 27.7
11	2.34E+06	(47)	3.44E+06	(69)	21	252	61	19.6 13.2 28.8
12	1.96E+06	(45)	2.97E+06	(68)	24	217	53	19.0 12.7 28.1
13	1.52E+06	(29)	2.20E+06	(42)	20	161	50	19.9 11.9 32.6
14	1.71E+06	(49)	2.44E+06	(70)	30	179	43	20.1 13.6 29.4
15	2.15E+06	(41)	2.57E+06	(49)	20	188	54	24.0 15.5 37.1

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16	2.16E+06	(33)	1.83E+06	(28)	16	134	50	33.8	19.8	58.0
17	2.62E+06	(40)	1.96E+06	(30)	16	144	52	38.2	23.2	63.5
18	3.72E+06	(32)	2.79E+06	(24)	9	204	83	38.2	21.8	67.7
19	1.12E+06	(16)	8.38E+05	(12)	15	61	35	38.1	17.0	88.2
20	2.79E+06	(40)	2.44E+06	(35)	15	179	60	32.8	20.3	53.1
21	1.68E+06	(40)	1.17E+06	(28)	25	86	32	40.9	24.6	68.8
22	2.35E+06	(56)	1.38E+06	(33)	25	101	35	48.5	31.1	77.1
23	2.44E+06	(35)	1.33E+06	(19)	15	97	44	52.5	29.4	97.3
24	3.54E+06	(54)	1.70E+06	(26)	16	124	49	59.2	36.6	98.7
25	3.40E+06	(52)	1.38E+06	(21)	16	101	43	70.5	42.0	123.3
26	2.01E+06	(48)	7.12E+05	(17)	25	52	25	80.2	45.6	149.0
27	3.49E+06	(40)	1.22E+06	(14)	12	89	47	81.0	43.6	161.5
28	2.29E+06	(35)	6.55E+05	(10)	16	48	30	98.7	48.5	224.0

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.641E+05
RELATIVE ERROR (%):	1.26
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.70
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain	RhoS (Ns)	RhoI (Ni)	Squares	U+/-2s	Grain	Age (Ma)				
no.	(cm^-2)	(cm^-2)			Age	--95% CI--				
29	5.03E+05	(12)	1.72E+06	(41)	25	133	41	8.0	3.8	15.4
30	1.15E+06	(23)	3.04E+06	(61)	21	236	60	10.3	6.0	16.8
31	1.38E+06	(33)	3.39E+06	(81)	25	263	59	11.1	7.1	16.8
32	1.57E+06	(36)	3.49E+06	(80)	24	270	61	12.2	8.0	18.3
33	1.88E+06	(43)	3.88E+06	(89)	24	301	64	13.1	8.9	19.1
34	1.27E+06	(34)	2.58E+06	(69)	28	200	48	13.4	8.6	20.5
35	1.99E+06	(57)	3.63E+06	(104)	30	281	55	14.9	10.6	20.7
36	1.90E+06	(49)	3.41E+06	(88)	27	264	57	15.1	10.4	21.7
37	1.41E+06	(27)	2.41E+06	(46)	20	186	55	16.0	9.5	26.2
38	4.16E+06	(119)	6.39E+06	(183)	30	495	74	17.7	14.0	22.3
39	2.71E+06	(62)	4.10E+06	(94)	24	318	66	17.9	12.8	24.9
40	3.21E+06	(92)	4.82E+06	(138)	30	373	64	18.1	13.9	23.7
41	2.29E+06	(35)	3.21E+06	(49)	16	248	71	19.4	12.2	30.5
42	9.43E+05	(27)	1.26E+06	(36)	30	97	32	20.4	11.9	34.4

Lab# Z184 Field # RS94-19.FTZ Undifferentiated Stewart RR-2-6-96B-11

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.785E+05
RELATIVE ERROR (%):	1.10
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain	RhoS (Ns)	RhoI (Ni)	Squares	U+/-2s	Grain	Age (Ma)				
no.	(cm^-2)	(cm^-2)			Age	--95% CI--				
1	8.38E+05	(20)	1.22E+06	(29)	25	84	31	20.4	10.9	37.2
2	1.89E+06	(36)	2.72E+06	(52)	20	188	52	20.5	13.0	31.8
3	1.68E+06	(32)	1.78E+06	(34)	20	123	42	27.8	16.6	46.3
4	2.88E+06	(66)	3.06E+06	(70)	24	211	50	27.8	19.6	39.5
5	1.38E+06	(33)	1.42E+06	(34)	25	98	33	28.6	17.2	47.6
6	7.98E+05	(16)	6.98E+05	(14)	21	48	25	33.6	15.4	74.3
7	3.27E+06	(50)	2.75E+06	(42)	16	189	58	35.1	22.8	54.1
8	1.54E+06	(22)	1.26E+06	(18)	15	87	40	35.9	18.5	71.1
9	2.44E+06	(56)	1.75E+06	(40)	24	120	38	41.2	27.0	63.4

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10	1.84E+06	(44)	1.30E+06	(31)	25	90	32	41.7	25.8	68.4
11	4.89E+06	(84)	3.26E+06	(56)	18	225	60	44.1	31.1	63.0
12	2.05E+06	(49)	8.38E+05	(20)	25	58	26	71.6	42.1	127.3
13	1.41E+06	(31)	4.55E+05	(10)	23	31	19	90.0	43.6	206.2
14	4.71E+06	(72)	1.24E+06	(19)	16	86	39	110.3	66.4	193.8

Lab# Z185 Field # RS94-21.FTZ Undifferentiated Stewart RR-2-6-96B-1x

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.783E+05
RELATIVE ERROR (%):	1.06
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-s	Grain Age	Age --95% CI--
1	2.10E+05 (3)	5.59E+05 (8)	15	39 26	11.4	1.9 46.0
2	3.25E+05 (9)	7.95E+05 (22)	29	55 23	12.2	4.9 27.2
3	5.24E+05 (14)	1.27E+06 (34)	28	88 30	12.2	6.0 23.2
4	5.49E+05 (11)	1.30E+06 (26)	21	89 35	12.6	5.6 26.1
5	6.29E+05 (15)	1.42E+06 (34)	25	98 34	13.1	6.6 24.5
6	5.03E+05 (12)	9.64E+05 (23)	25	66 27	15.5	7.0 32.2
7	9.64E+05 (23)	1.80E+06 (43)	25	124 38	15.8	9.1 26.7
8	6.29E+05 (12)	1.15E+06 (22)	20	79 34	16.2	7.3 33.9
9	1.17E+06 (28)	2.01E+06 (48)	25	139 40	17.2	10.4 28.0
10	1.01E+06 (24)	1.72E+06 (41)	25	119 37	17.3	10.0 29.2
11	1.59E+06 (38)	2.30E+06 (55)	25	159 43	20.4	13.1 31.3
12	8.38E+05 (20)	1.17E+06 (28)	25	81 30	21.1	11.2 38.7
13	1.13E+06 (27)	1.55E+06 (37)	25	107 35	21.5	12.6 36.3
14	1.30E+06 (31)	1.72E+06 (41)	25	119 37	22.3	13.5 36.4
15	1.13E+06 (27)	1.42E+06 (34)	25	98 34	23.4	13.6 39.9
16	2.51E+06 (36)	3.07E+06 (44)	15	212 64	24.1	15.1 38.3
17	1.18E+06 (27)	1.40E+06 (32)	24	96 34	24.9	14.3 42.8
18	1.22E+06 (29)	1.42E+06 (34)	25	98 34	25.1	14.8 42.5
19	7.86E+05 (12)	9.17E+05 (14)	16	63 33	25.3	10.7 58.7
20	1.34E+06 (23)	1.51E+06 (26)	18	104 41	26.1	14.2 47.4
21	1.64E+06 (25)	1.83E+06 (28)	16	126 47	26.3	14.7 46.7
22	8.73E+05 (15)	9.31E+05 (16)	18	64 32	27.6	12.7 59.5
23	1.57E+06 (24)	1.64E+06 (25)	16	113 45	28.3	15.5 51.5
24	1.15E+06 (23)	1.15E+06 (23)	21	79 33	29.4	15.8 54.8
25	9.22E+05 (22)	9.22E+05 (22)	25	64 27	29.4	15.6 55.7
26	5.92E+05 (13)	5.47E+05 (12)	23	38 21	31.9	13.4 76.2
27	5.59E+06 (48)	4.66E+06 (40)	9	321 101	35.3	22.7 55.1
28	3.93E+06 (75)	3.14E+06 (60)	20	217 56	36.8	25.9 52.5
29	2.55E+06 (39)	2.03E+06 (31)	16	140 50	37.0	22.5 61.3
30	3.80E+06 (58)	2.75E+06 (42)	16	190 58	40.6	26.9 61.9
31	7.96E+05 (19)	5.45E+05 (13)	25	38 20	42.8	20.2 94.4
32	2.93E+06 (56)	1.89E+06 (36)	20	130 43	45.7	29.6 71.5
33	3.67E+06 (56)	2.23E+06 (34)	16	154 52	48.3	31.1 76.4
34	4.32E+06 (66)	2.62E+06 (40)	16	181 57	48.4	32.3 73.7
35	2.97E+06 (68)	1.79E+06 (41)	24	123 38	48.7	32.6 73.6
36	3.49E+06 (80)	2.10E+06 (48)	24	145 42	48.9	33.9 71.5
37	3.73E+06 (57)	2.23E+06 (34)	16	154 52	49.2	31.7 77.6
38	3.34E+06 (51)	1.90E+06 (29)	16	131 48	51.6	32.2 84.4
39	3.84E+06 (33)	2.10E+06 (18)	9	145 67	53.7	29.5 101.3
40	2.10E+06 (50)	1.09E+06 (26)	25	75 29	56.3	34.6 94.3
41	3.67E+06 (56)	1.83E+06 (28)	16	126 47	58.6	36.7 95.8
42	3.40E+06 (52)	1.70E+06 (26)	16	117 46	58.6	36.1 97.8

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43	1.37E+06	(34)	6.85E+05	(17)	26	47	23	58.5	32.0	111.7
44	1.64E+06	(25)	7.86E+05	(12)	16	54	31	60.8	29.7	133.0
45	3.14E+06	(48)	1.51E+06	(23)	16	104	43	61.1	36.6	105.3
46	8.38E+06	(128)	3.80E+06	(58)	16	262	69	64.7	47.2	89.9
47	4.82E+06	(69)	1.96E+06	(28)	15	135	51	72.1	46.1	116.2
48	4.39E+06	(67)	1.70E+06	(26)	16	117	46	75.3	47.5	123.5
49	3.47E+06	(53)	1.18E+06	(18)	16	81	38	85.8	49.9	155.8
50	6.50E+06	(62)	2.20E+06	(21)	10	152	66	86.1	52.1	148.8

Lab# Z186 Field# RJS94-22.FTZ RR-2-6-96B-13 NE Solleks Ridge

>>NEW PARAMETERS--ZETA METHOD<<
 EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2): 1.730E+05
 RELATIVE ERROR (%): 1.06
 EFFECTIVE URANIUM CONTENT OF MONITOR (ppm): 12.30
 ZETA FACTOR AND STANDARD ERROR (yr cm^2): 331.03 6.66
 SIZE OF COUNTER SQUARE (cm^2): 9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	Age --95% CI--
1	1.22E+06 (35)	2.10E+06 (60)	30	149 38	16.7	10.7 25.7
2	1.30E+06 (31)	1.97E+06 (47)	25	140 41	18.9	11.6 30.3
3	1.45E+06 (36)	2.14E+06 (53)	26	152 42	19.5	12.4 30.2
4	3.14E+06 (54)	4.37E+06 (75)	18	310 72	20.6	14.2 29.6
5	1.34E+06 (32)	1.72E+06 (41)	25	122 38	22.3	13.6 36.3
6	1.26E+06 (30)	1.51E+06 (36)	25	107 36	23.8	14.2 39.7
7	1.01E+06 (24)	1.09E+06 (26)	25	77 30	26.4	14.5 47.7
8	7.96E+05 (19)	8.38E+05 (20)	25	60 26	27.2	13.7 53.5
9	1.13E+06 (26)	1.13E+06 (26)	24	81 31	28.6	15.9 51.1
10	1.76E+06 (42)	1.63E+06 (39)	25	116 37	30.8	19.4 48.8
11	1.50E+06 (33)	1.32E+06 (29)	23	94 35	32.5	19.1 55.4
12	1.25E+06 (25)	9.98E+05 (20)	21	71 31	35.6	19.1 67.6
13	1.77E+06 (44)	1.17E+06 (29)	26	83 31	43.2	26.5 71.6
14	2.10E+06 (32)	1.31E+06 (20)	16	93 41	45.5	25.4 84.0
15	1.89E+06 (45)	1.17E+06 (28)	25	83 31	45.8	28.0 76.2
16	5.01E+06 (43)	2.56E+06 (22)	9	182 77	55.5	32.7 97.5
17	3.73E+06 (57)	1.31E+06 (20)	16	93 41	80.7	48.1 141.9
18	2.82E+06 (43)	5.89E+05 (9)	16	42 27	133.5	65.4 311.6

Lab# Z191 Field# RS97-20A.FTZ RR-1-15-98-42 Shale Creek

>>NEW PARAMETERS--ZETA METHOD<<
 EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2): 1.431E+05
 RELATIVE ERROR (%): 1.82
 EFFECTIVE URANIUM CONTENT OF MONITOR (ppm): 12.30
 ZETA FACTOR AND STANDARD ERROR (yr cm^2): 331.03 6.66
 SIZE OF COUNTER SQUARE (cm^2): 9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	Age --95% CI--
1	5.45E+05 (13)	4.61E+05 (11)	25	40 23	27.9	11.6 68.7
2	2.55E+06 (39)	2.10E+06 (32)	16	180 64	28.8	17.6 47.5
3	2.55E+06 (39)	2.10E+06 (32)	16	180 64	28.8	17.6 47.5
4	8.51E+05 (13)	6.55E+05 (10)	16	56 35	30.6	12.5 78.0
5	5.45E+05 (13)	4.19E+05 (10)	25	36 22	30.6	12.5 78.0
6	1.77E+06 (27)	1.31E+06 (20)	16	113 50	31.8	17.2 59.9
7	2.65E+06 (38)	1.96E+06 (28)	15	168 63	32.0	19.2 54.2
8	1.42E+06 (34)	1.05E+06 (25)	25	90 36	32.1	18.6 56.2

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9	1.05E+06	(16)	7.20E+05	(11)	16	62	37	34.2	15.0	81.7
10	5.03E+05	(12)	3.35E+05	(8)	25	29	20	35.2	13.3	99.5
11	8.51E+05	(13)	5.24E+05	(8)	16	45	31	38.1	14.8	106.3
12	2.47E+06	(59)	1.42E+06	(34)	25	122	42	40.9	26.4	64.4
13	1.34E+06	(32)	7.54E+05	(18)	25	65	30	41.8	22.9	79.3
14	7.33E+05	(21)	3.84E+05	(11)	30	33	20	44.8	20.8	103.1
15	1.77E+06	(27)	9.17E+05	(14)	16	79	41	45.3	23.1	93.7
16	1.38E+06	(33)	7.12E+05	(17)	25	61	29	45.6	24.8	87.5
17	2.29E+06	(35)	1.18E+06	(18)	16	101	47	45.7	25.3	85.9
18	3.67E+06	(56)	1.77E+06	(27)	16	152	58	48.8	30.4	80.5
19	7.33E+05	(21)	3.49E+05	(10)	30	30	19	49.1	22.4	117.3
20	1.77E+06	(27)	7.86E+05	(12)	16	68	38	52.7	26.0	114.6
21	2.75E+06	(42)	1.24E+06	(19)	16	107	49	51.9	29.7	94.7
22	2.75E+06	(42)	1.18E+06	(18)	16	101	47	54.8	31.0	101.3
23	2.16E+06	(33)	9.17E+05	(14)	16	79	41	55.2	29.0	112.1
24	1.72E+06	(41)	7.12E+05	(17)	25	61	29	56.6	31.6	106.5
25	2.10E+06	(32)	8.51E+05	(13)	16	73	40	57.6	29.7	120.0
26	2.36E+06	(45)	9.43E+05	(18)	20	81	38	58.6	33.5	107.9
27	2.36E+06	(45)	9.43E+05	(18)	20	81	38	58.6	33.5	107.9
28	2.37E+06	(34)	9.08E+05	(13)	15	78	43	61.2	31.8	126.8
29	1.51E+06	(36)	5.45E+05	(13)	25	47	26	64.7	33.8	133.5
30	2.23E+06	(34)	7.86E+05	(12)	16	68	38	66.2	33.8	140.9
31	2.42E+06	(37)	8.51E+05	(13)	16	73	40	66.5	34.9	136.9
32	2.30E+06	(55)	7.96E+05	(19)	25	68	31	67.8	39.9	121.4
33	2.47E+06	(59)	8.38E+05	(20)	25	72	32	69.1	41.3	121.5
34	2.23E+06	(34)	6.55E+05	(10)	16	56	35	79.1	38.7	180.4
35	3.14E+06	(48)	9.17E+05	(14)	16	79	41	80.0	43.8	157.7
36	2.10E+06	(32)	5.24E+05	(8)	16	45	31	92.7	42.6	233.9
37	2.42E+06	(37)	5.89E+05	(9)	16	51	33	95.4	45.9	225.7

Lab# Z195, Field# WL798-5 RR-11-16-98-10 Stewart 8-31-99

>>NEW PARAMETERS--ZETA METHOD<<

EFFECTIVE TRACK DENSITY FOR FLUENCE MONITOR (tracks/cm^2):	1.676E+05
RELATIVE ERROR (%):	1.50
EFFECTIVE URANIUM CONTENT OF MONITOR (ppm):	12.30
ZETA FACTOR AND STANDARD ERROR (yr cm^2):	331.03 6.66
SIZE OF COUNTER SQUARE (cm^2):	9.545E-07

----- GRAIN AGES IN ORIGINAL ORDER -----

Grain no.	RhoS (Ns) (cm^-2)	RhoI (Ni) (cm^-2)	Squares	U+/-2s	Grain Age (Ma)	--95% CI--
1	7.57E+05 (13)	1.16E+06 (20)	18	85 38	18.1	8.2 38.0
2	1.68E+06 (48)	2.30E+06 (66)	30	169 42	20.2	13.6 29.7
3	1.92E+06 (22)	2.44E+06 (28)	12	179 67	21.8	11.9 39.4
4	1.05E+06 (25)	1.30E+06 (31)	25	95 34	22.4	12.6 39.1
5	1.94E+06 (37)	2.25E+06 (43)	20	165 50	23.8	14.9 37.9
6	3.32E+06 (38)	3.23E+06 (37)	12	237 78	28.4	17.6 46.0
7	1.41E+06 (27)	1.36E+06 (26)	20	100 39	28.7	16.1 51.2
8	1.42E+06 (19)	1.27E+06 (17)	14	93 45	30.9	15.2 63.2
9	2.75E+06 (42)	2.23E+06 (34)	16	163 56	34.1	21.2 55.4
10	3.01E+06 (23)	2.36E+06 (18)	8	173 81	35.3	18.3 69.4
11	1.51E+06 (23)	9.82E+05 (15)	16	72 37	42.2	21.2 87.1
12	1.68E+06 (32)	1.05E+06 (20)	20	77 34	44.1	24.5 81.4
13	1.83E+06 (21)	1.13E+06 (13)	12	83 45	44.4	21.4 96.7
14	5.47E+06 (47)	3.03E+06 (26)	9	222 87	49.8	30.3 83.9
15	4.19E+06 (36)	2.10E+06 (18)	9	154 72	55.0	30.6 103.0
16	1.38E+06 (21)	6.55E+05 (10)	16	48 30	57.5	26.2 137.2
17	3.96E+06 (34)	1.63E+06 (14)	9	120 63	66.6	35.1 134.6
18	2.05E+06 (47)	6.98E+05 (16)	24	51 25	80.4	45.2 152.3

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