Apatite Fission-Track Data from Seventy-one Bowser and Sustut Basin Rock Samples

GSC Open File 4840 and British Columbia Energy and Mines, Oil and Gas Emerging Opportunities and Geosciences Branch Open File 2004-3

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1. Introduction

This report results from work performed as part of the project "Integrated Petroleum Resource Potential and Geoscience Studies of the Bowser and Sustut Basins", a collaborative research project of the BC Ministry of Energy and Mines (Oil and Gas Emerging Opportunities and Geoscience Branch), and the Geological Survey of Canada (Evenchick et al., 2003). The multi-year project is multidisciplinary in scope and broad in geographic coverage, including the length and breadth of both the Bowser and Sustut basins. Primary activities include geological framework, energy resource studies, thermal history, thermal state and petroleum resource assessment.

Previous petroleum assessment work of the region identified substantial petroleum potential while recognising that there are several poorly understood, but significant risks (Hannigan et al., 1995). That study showed that there were significant play level risks associated with the inferred petroleum potential of the Bowser Basin. More recent GSC/BCMEM research resulted in a profound shift in perceptions of organic and thermal maturity patterns in the Bowser and Sustut basins (Evenchick et al., 2002). The first regional organic maturity dataset illustrates that large areas, including the lowest stratigraphic levels of the Bowser Basin, have sufficiently low organic maturity levels to be favourable for the formation and preservation of crude oil. This fundamentally changed previous views that considered the high thermal maturity of some of the stratigraphically highest coals as a negative indication for hydrocarbon potential in all stratigraphic levels and all the geographic regions of the basins. The recent discovery of petroleum within the basin (Osadetz et al., 2003), as seepages or stains, provides information that eliminates play level risks associated with petroleum system function and reservoir occurrence. The results presented herein characterize the later thermal history of the Bowser and Sustut basins. The results are consistent with the revised observations and models of thermal maturity and history. Integration of these data, models, and interpretations will increase the robustness of petroleum resource assessments in this potential frontier petroleum province.

1.1 Apatite Fission Track Thermochronology

The temperature sensitivity of fission tracks is used in apatite fission track (AFT) analysis to estimate maximum paleotemperatures and the time when cooling from maximum paleotemperatures commenced. Wagner and Van den haute (1992), Gallagher et al., (1998) and Gleadow et al., (2002) provide useful summaries of the principles of AFT dating and annealing. The spontaneous fission of 238U in uranium-bearing minerals, such as apatite, produces narrow tubes of intense damage in the crystal lattice, continuously, throughout geological time. The AFT clock is based on the principle that the density of fission tracks is proportional to the elapsed time since they began to accumulate and the uranium content of the apatite. New tracks ~~they~~ have approximately the same initial length (~16 ± 1 microns in apatite); however, if the mineral is subjected to a sufficiently high temperature for a long enough time, all existing fission tracks will anneal (fade) and eventually disappear, effectively resetting the fission track clock. The

annealing process and its analysis are the key to temperature history modeling by fission track thermochronology.
Experimental studies and borehole observations have revealed a wide temperature interval over which gradual annealing occurs. Annealing proceeds more rapidly with increasing temperature, especially at temperatures exceeding ~60°C. With greater annealing the fission tracks become increasingly shorter. The longer the rock resides in an annealing zone, the greater the proportion of shortened tracks. In apatite, fission track annealing is sensitive to mineral chemistry, particularly chlorine content (Green et al., 1986). Chlorine-rich apatites are more resistant to track annealing than the more commonly found fluorine-rich apatites. In the former, total annealing may occur at higher temperatures between ~125-150°C (e.g. Green et al., 1985; Burtner et al., 1994; O'Sullivan and Parrish, 1995).

These observations led to the partial annealing zone (PAZ) concept, in which fission tracks under geological conditions anneal increasingly between ambient surface temperatures and ~110°C. At temperatures below ~60°C, fission tracks in apatite, with the Cl concentration of Durango apatite, anneal at sufficiently slow rates that little apparent AFT age and track length reduction occurs (for example see, Figure 6) (whats this, why is fig. 6 before fig. 1?). In the region where temperatures are at or below ~60° C thermal history models (THMs) are considered to be less well constrained. The temperature range of ~60°-110°C is where AFTs undergo more rapid annealing at a rate that accelerates with increasing temperature (e.g. Gleadow and Fitzgerald 1987, Fitzgerald and Gleadow 1988). This temperature interval was previously referred to as the PAZ, but this term is not now used widely, since partial annealing also occurs at lower temperatures. However the PAZ concept retains some value with respect to the description of previous temperature history, as in the description of a "fossil or exhumed" PAZ (i.e. a region where AFT parameters retain a record of when a sample previously resided at temperatures between ~60°-110°C,). Near the base of this temperature range, where temperatures reach ~110°C, fission tracks in apatite anneal rapidly resulting in a zero apparent age; this defines the boundary with the total annealing zone –(TAZ, Green et al. 1986). The depths to these critical annealing temperatures depend on the chemical composition of the apatites, the geothermal gradient, and the duration of heating.

The concept of an exhumed apatite PAZ is commonly related to the timing and magnitude of exhumation (e.g. Naeser 1979, Gleadow and Fitzgerald 1987, Fitzgerald and Gleadow 1988). Cooling of the rock column may have followed an episode where it remained at temperatures between ~60°-110°C (i.e. within the PAZ) and AFT ages of the rocks within the PAZ were reduced. Fitzgerald and Gleadow (1988) suggested that the position of the lower break in slope (concave downward) in an apatite age-depth profile represents the base of an exhumed apatite PAZ, which may provide temporal information related to the onset of subsequent cooling. Alternatively, if the rock column had previously been located at paleotemperatures above ~110°C prior to cooling, the upper break in slope (concave upward) in an age-depth profile may indicate the top of an exhumed apatite PAZ.

Because of the numerous possible temperature history scenarios for a sample an AFT age alone can be interpreted in a number of ways (Figure 6). However, more rigorous temperature history constraints can be placed on an AFT observed age when it is combined with horizontally confined fission track length (HCTL) data (Figure 6). The analysis of AFT age and length parameters can differentiate between different temperature history options below temperatures of

~110°C (Gleadow et al., 1986), as AFT data reflect the time over which tracks have been retained as a function of host material thermal history. Forward models can be used to calculate fission track age and track length parameters resulting from a given THM using (e.g. Laslett et al., 1987) and the results of plausible THMs can be tested against the observed fission track data. This procedure has been automated using a computer program (e.g. MonteTrax, Gallagher, 1995) that provides a quasi-inverse modeling method, which statistically tests the resulting model AFT parameters from numerous temperature history simulations against observed AFT parameters. These models use a Monte Carlo approach and a genetic algorithm to converge rapidly on THMs that match the observed AFT data. The method employed in this study follows that described by (Ketchum et al., (1999) using annealing algorithms based on the studies of Donelick et al. (1999) and Carlson et al. (1999).

1.2 Regional Geological Overview

The Bowser and Sustut basins are located in north-central British Columbia (Figure 1; regional location map), in the Intermontane Belt of the Canadian Cordillera, a region of sedimentary diagenesis or low metamorphic grade (mainly sub- and lower-greenschist facies) relative to the adjacent Omineca and Coast metamorphic and plutonic belts. They overlie Devonian to early Middle Jurassic strata of the allochthonous terrane Stikinia.

The basins comprise three stratigraphic successions with overlapping ages. The Bowser Lake Group is the lowest, ranging from upper Middle Jurassic to mid-Cretaceous. It constitutes a major clastic depositional wedge that includes strata deposited in distal submarine fan, slope, shallow marine shelf, deltaic, fluvial, and lacustrine environments (e.g. Tipper and Richards, 1976; Evenchick et al., 2001; Evenchick and Thorkelson, in press). It was deposited directly on Stikinia, a volcanic arc that includes Jurassic upper Hazelton Group clastic successions. The Lower to mid-Cretaceous Skeena Group occurs south of the Bowser Lake Group with uncertain stratigraphic relationships. Skeena Group strata were deposited in marine and nonmarine environments, and are intercalated with volcanic successions (Tipper and Richards, 1976). The mid-to Upper Cretaceous Sustut Group, a fluvial and lacustrine foreland basin succession, unconformably onlaps the Hazelton and Bowser Lake groups that are deformed in older Skeena Fold belt structures. The Skeena Fold Belt subsequently involved and deformed the Sustut Group (Eisbacher, 1974; Figure 2, sample location map).

All three successions and underlying Stikinia are deformed in the Skeena Fold Belt, a thin skinned contractional fold and thrust belt of Cretaceous and possibly early Tertiary age (Evenchick 1991). Northeast vergent open to close folds of about 100 to 1000 m wavelengths are the dominant structures at exposed levels, but larger wavelength folds often outlined by anticlinoria and synclinoria in Bowser Lake Group are associated with structural culminations and depressions inferred to be controlled by the involvement of Stikine Assemblage volcanic and clastic strata. The fold hinges trend northwest dominantly, but domains of northeast fold hinge trends occur in western Skeena Fold Belt (ibid.). Hinterland verging thrusts, in the vicinity of boundary between Bowser Basin and Sustut Basin (Evenchick 1991; Evenchick and Thorkelson, in press), define a triangle zone (Gordy et al., 1977), similar to major productive and prospective structures in many thrust and fold belts (MacKay et al., 1996;).

Figure 1. Regional Location Map

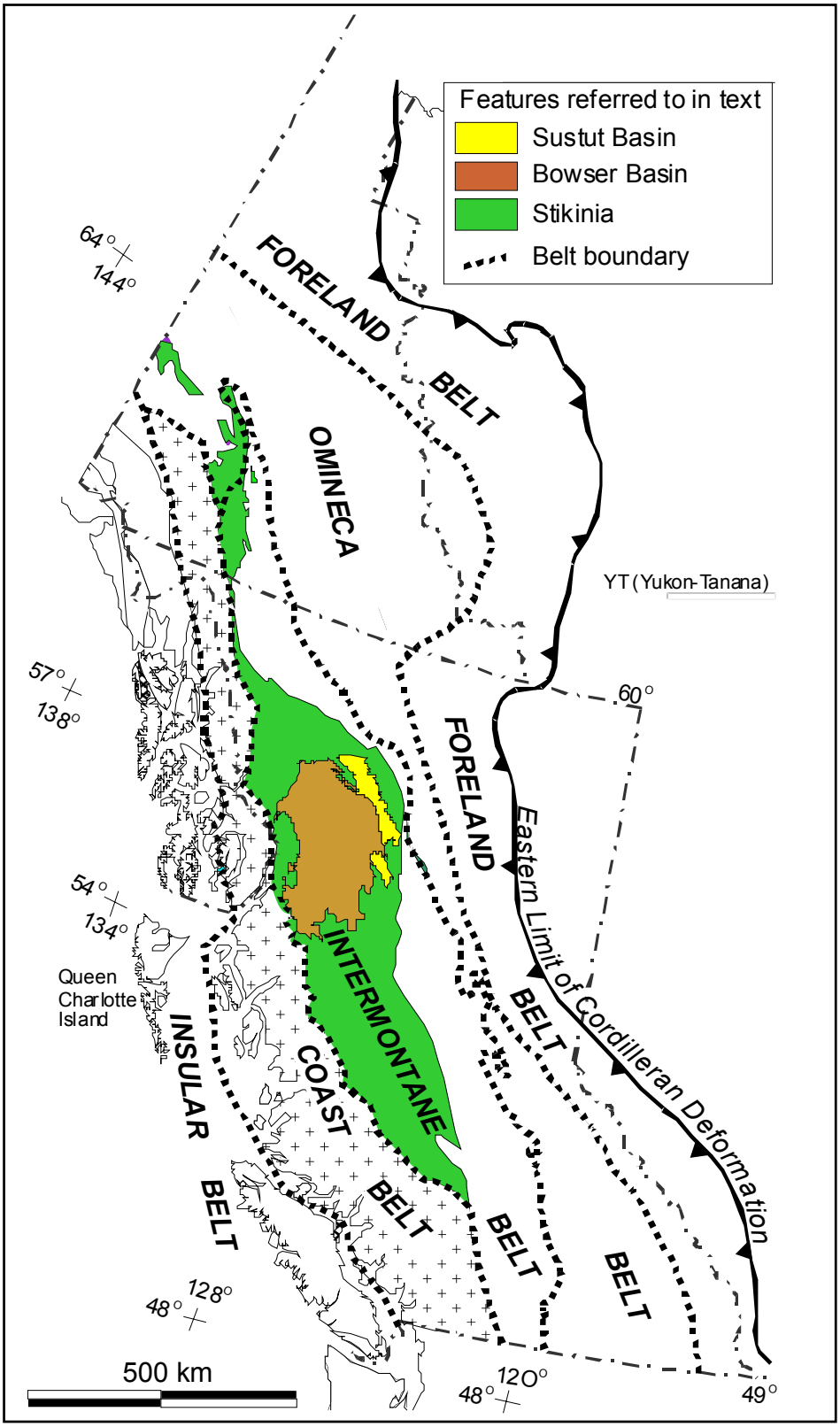
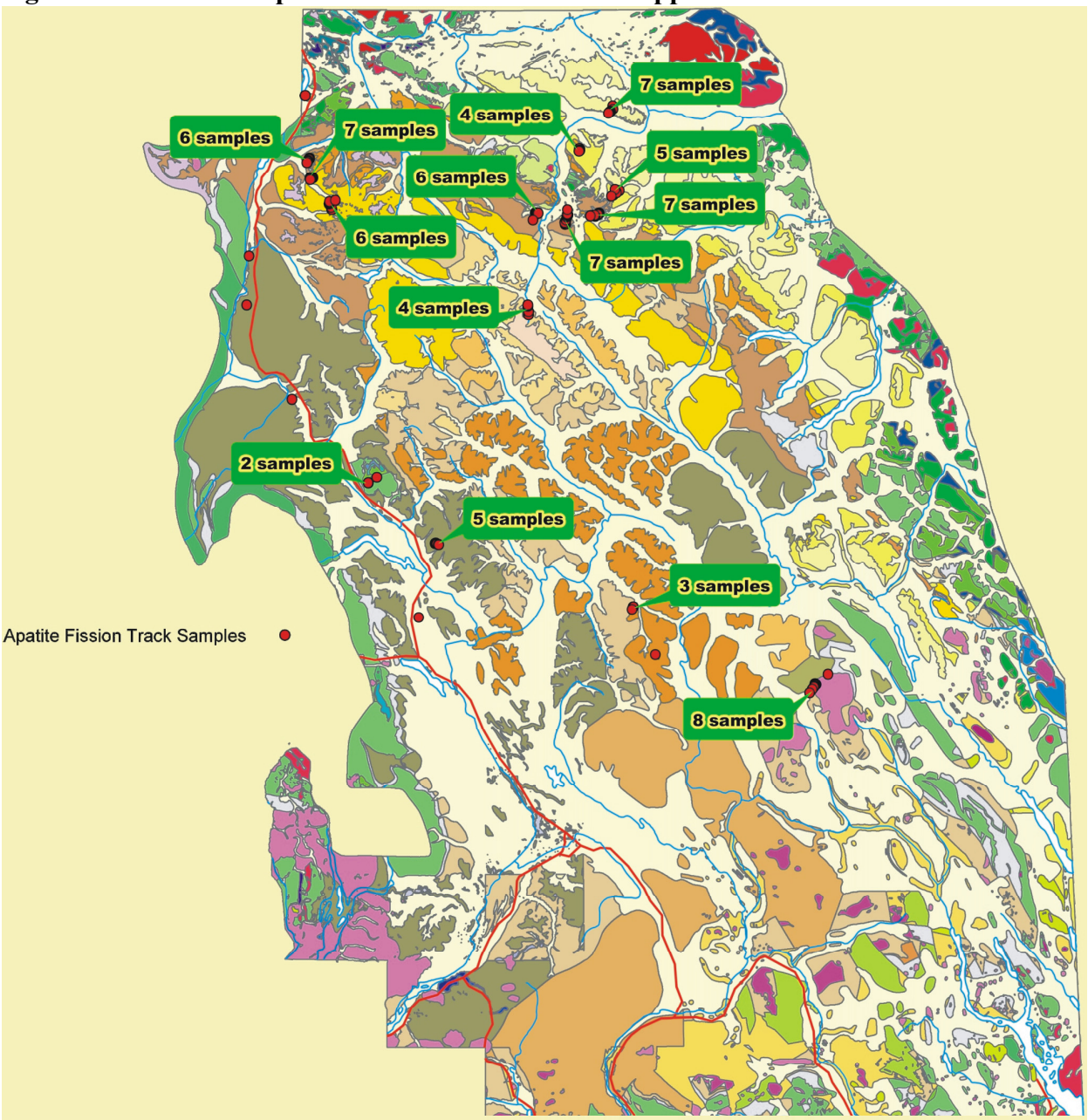


Figure 2. Detailed sample locations are shown in the Appendix



2. Data Summary

2.1 General

No attempt is made in this report to fully integrate the apatite fission-track data for the samples studied here with other independent geological information.

2.2 Sample Listing

Table 2.1 identifies and locates samples collected for this study. **Table 2.2** contains a listing of the samples submitted for analysis, the number assigned to each sample in the Apatite to Zircon, Inc. (i.e., A2Z) laboratory, the amount of apatite isolated from each sample, the number of grain mounts prepared for each sample, and the quality of the data obtained.

Table 2.1 Apatite Fission Track Samples

REC	SAMPLE ID	NTS MAP	UTM	UNIT	MN EAST	MN NORTH	GPS ELEVATION	BAROMOETER ELEVATION	COMMENT
1. Triangle Zone and Associated Structures									
1	02-EP-01	104H7	9V	BLG	525735	6359826	2163		analyzed in this report
2	02-EP-04a	104H7	9V	BLG	525925	6359886	2020		analyzed in this report
3	02-EP-05a	104H7	9V	BLG	525558	6360382	1930		analyzed in this report
4	02-EP-06a	104H7	9V	BLG	526021	6361081	1880		analyzed in this report
5	02-EP-07a	104H7	9V	BLG	526230	6362009	1785		analyzed in this report
6	02-EP-08	104H7	9V	BLG	526419	6362582	1722		analyzed in this report
7	02-EP-09a	104H7	9V	TCF	526404	6362749	1670		analyzed in this report
8	02-EP-10a	104H7	9V	TCF	526636	6362779	1655		analyzed in this report
9	02-EP-11	104H7	9V	TCF	526465	6363133	1540		analyzed in this report
10	02-EP-12a	104H7	9V	TCF	526416	6364398	1155		analyzed in this report
11	02-EP-13a	104H8	9V	BLG	536616	6363325	1860		analyzed in this report
12	02-EP-14	104H8	9V	BLG	536419	6363082	1895		analyzed in this report
13	02-EP-15a	104H8	9V	TCF	536347	6362945	1935		analyzed in this report
71	02-EP-16a	104H8	9V	TCF	536205	6362909	1960		analyzed in this report
14	02-EP-17a	104H8	9V	TCF	535384	6362386	2010		analyzed in this report
15	02-EP-19	104H8	9V	BLG	535182	6362647	1960		analyzed in this report
16	02-EP-21	104H8	9V	HG	533831	6362429	1795		analyzed in this report
17	02-EP-22a	104H8	9V	TCF	541265	6369071	1830		analyzed in this report
18	02-EP-23a	104H8	9V	BPF	543071	6370484	2160		analyzed in this report
19	02-EP-25a	104H8	9V	TCF	542327	6369876	2120		analyzed in this report
20	02-EP-26a	104H8	9V	TCF	541866	6370840	1690		analyzed in this report
21	02-EP-27a	104H8	9V	TCF	540629	6368660	2105		analyzed in this report
22	02-EP-28a	104H9	9V	BLG	530252	6384086	2175		analyzed in this report
23	02-EP-30a	104H9	9V	BLG	530399	6383511	2000		analyzed in this report
24	02-OE-01a		9V	BLG	516065	6363364	1952	1950	analyzed in this report
25	02-OE-02a		9V	BLG	516342	6363244	1868	1855	analyzed in this report
26	02-OE-03a		9V	BLG	516491	6363094	1753	1750	analyzed in this report
27	02-OE-04		9V	JHSu	516822	6363359	1658	1650	analyzed in this report
28	02-OE-05a		9V	JHSu	516990	6363323	1561	1555	analyzed in this report
29	02-OE-07a		9V	BLG	515299	6361053	2042	2050	analyzed in this report

Table 2.1 (continued)

30	02-OE-15		9V	KTC	530354	6383392	2040	2180	analyzed in this report
31	02-OE-16		9V	KTC	530201	6383239	1980	1980	analyzed in this report
2. Thermochronology Motase Pluton									
32	02-EP-43	94D3	9V	Motase	606414	6211617	2220		analyzed in this report
33	02-EP-44	94D3	9V	Motase	606534	6211563	2130		analyzed in this report
34	02-EP-45	94D3	9V	Motase	606740	6211437	2020		analyzed in this report
35	02-EP-46	94D3	9V	Motase	606480	6211259	1930		analyzed in this report
36	02-EP-47	94D3	9V	Motase	606253	6210913	1820		analyzed in this report
37	02-EP-48	94D3	9V	Motase	606107	6210636	1710		analyzed in this report
38	02-EP-49	94D3	9V	Motase	605551	6209901	1575		analyzed in this report
39	02-EP-50	94D3	9V	Motase	604690	6208744	1390		analyzed in this report
40	02-EP-51	94D3	9V	Motase	610668	6214669	1215		analyzed in this report
3. Groundhog-Jenkins Piggy-back Basin Study									
41	02-OE-52a		9V	BLG	513849	6330549	2133	2105	analyzed in this report
42	02-OE-53a		9V	BLG	513882	6331657	2001	1985	analyzed in this report
43	02-OE-55a		9V	BLG	513648	6333203	1880	1878	analyzed in this report
44	02-OE-56		9V	BLG	513583	6333736	1789	1785	analyzed in this report
45	02-OE-57		9V	BLG	513733	6334413	1631	1362	analyzed in this report
46	02-OE-58		9V	BLG	519557	6336118	1963	1965	analyzed in this report
4. Tsatia-Maitland Unconformity Study									
47	02-EP-31	104H12	9V	BLG	443161	6380950	2355		analyzed in this report
48	02-EP-32	104H12	9V	BLG	443052	6380830	2310		analyzed in this report
49	02-EP-33	104H12	9V	BLG	442891	6380690	2195		analyzed in this report
50	02-EP-35	104H12	9V	BLG	442601	6380296	2100		analyzed in this report
51	02-EP-36a	104H12	9V	BLG	442468	6380068	2040		analyzed in this report
52	02-EP-37a	104H12	9V	BLG	442256	6379589	1905		analyzed in this report
53	02-EP-38a	104H5	9V	BLG	450307	6364337	1505		analyzed in this report
54	02-EP-39a	104H5	9V	BLG	450173	6365213	1725		analyzed in this report
55	02-EP-40	104H5	9V	BLG	449485	6366187	1920		analyzed in this report
56	02-EP-41	104H5	9V	MV	449659	6366500	2110		analyzed in this report
57	02-EP-42	104H5	9V	MV	449604	6366996	2225		analyzed in this report
58	02-EP-71	104H5	9V	MV	451462	6367411	2320		analyzed in this report
	02-FF-21-A		9V	BLG	444285	6374629	2020		analyzed in this report

Table 2.1 (continued)

	02-FF-22-A		9V	BLG	443948	6374753	1925		analyzed in this report
	02-FF-23-A		9V	BLG	443596	6374690	1815		analyzed in this report
	02-FF-24-A		9V	BLG	443479	6374648	1705		analyzed in this report
	02-FF-25-A		9V	BLG	443362	6374600	1615		analyzed in this report
	02-FF-26-A		9V	BLG	443364	6374206	1505		analyzed in this report
	02-FF-27-A		9V	BLG	443309	6373974	1385		analyzed in this report
5. Mount Ritichie Study to Tie to Well									
59	02-OE-17		9V	BLG	483397	6256904	2359	2355	analyzed in this report
60	02-OE-18		9V	BLG	483688	6257018	1830	1850	analyzed in this report
61	02-OE-20		9V	BLG	483968	6257047	1680	1740	analyzed in this report
62	02-OE-21		9V	BLG	484257	6256912	1560	1590	analyzed in this report
63	02-OE-22		9V	BLG	484809	6256654	1410	1420	analyzed in this report
64	02-OE-23		9V	BLG	484940	6256553	1290	1303	analyzed in this report
65	02-OE-24		9V	BLG	484869	6256221	1220	1210	analyzed in this report
66	02-OE-25		9V	BLG	485126	6256328	1110	1090	analyzed in this report
6. Recumbent Fold Study – Deep Structure									
67	02-EP-52a	104A8	9V	BLG	547614	6236451	1600		analyzed in this report
68	02-EP-53	104A8	9V	BLG	547793	6236375	1110		analyzed in this report
69	02-EP-54	104A8	9V	BLG	547300	6235600	1215		analyzed in this report
70	02-EP-55	104A1	9V	Poison Pluton	554889	6220934	2015		analyzed in this report
7. Oweegee Dome Study									
	02-OE-30a		9V	JHu	464888	6278176	2148	2125	not yet analyzed
	02-OE-31		9V	JHu	464731	6277939	2030	2015	not yet analyzed
	02-OE-32		9V	JHu	464390	6277685	1930	1950	not yet analyzed
	02-OE-34		9V	JHu	462839	6277137	1785		not yet analyzed
	02-OE-35		9V	JHu	462562	6276681	1680	1680	not yet analyzed
	02-OE-36		9V	JHu	462251	6276520	1620	1590	not yet analyzed
	02-OE-37		9V	JHu	462196	6276511	1620	1570	not yet analyzed
	02-OE-38		9V	JHu	462149	6276466	1580	1550	not yet analyzed
	02-OE-39		9V		461809	6276397	1427	1425	not yet analyzed
8. Brothers Peak Foreland Study									
	02-OE-08		9V	KBP	541078	6397839	2010	2080	not yet analyzed
	02-OE-09		9V	KBP	541157	6396753	1950	1985	not yet analyzed
	02-OE-10		9V	KBP	540437	6396120	1830	1830	not yet analyzed

Table 2.1 (continued)

	02-OE-11		9V	KBP	540103	6395999	1740	1750	not yet analyzed
	02-OE-12		9V	KBP	539869	6395662	1650	1660	not yet analyzed
	02-OE-13		9V	KBP	539814	6395611	1590	1615	not yet analyzed
	02-OE-14		9V	KBP?	539759	6395477	1500	1510	not yet analyzed
9. Road Regional Tilting Study									
	02-OE-40		9V	TrJu	440380	6396997	833	817	not yet analyzed
	02-OE-41a		9V	TrJu	441723	6401276	810	830	not yet analyzed
	02-OE-42a		9V	BLG	423618	6349575	780	740	not yet analyzed
	02-OE-43		9V	BLG	426220	6342496	750	755	not yet analyzed
	02-OE-44a		9V	BLG	422924	6333728	785	805	not yet analyzed
	02-OE-46		9V	BLG	425728	6311892	600	605	not yet analyzed
	02-OE-48		9V	BLG	437542	6303270	577	595	not yet analyzed
	02-OE-49		9V	BLG	441601	6297447	684	680	not yet analyzed
	02-OE-51		9V	BLG	453810	6284237	596	585	not yet analyzed
	02-FF-53		9V	BLG	478414	6232905	550		not yet analyzed

Table 2.2 Listing of the samples submitted for analysis.

Client Sample Name	A2Z Sample Number	Apatite Observed	Grain Mounts Prepared	Data Quality 1=poor 10=excellent
Triangle Zone & Associated Structures				
Crescent Fault (Day 1)				
02-EP-01	497-01	100s	1	6
02-EP-04a	497-02	100s	1	4
02-EP-05a	497-03	100s	1	6
02-EP-06a	497-04	100s	1	7
02-EP-07a	497-05	100s	1	7
02-EP-08	497-06	No apatite grains		
02-EP-09a	497-07	100s	1	7
02-EP-10a	497-08	100s	1	5
02-EP-11	497-09	100s	1	6
02-EP-12a	497-10	100s	1	6
Sunday Pass (Denkladia Fault?)				
02-EP-13a	497-11	100s	1	7
02-EP-14	497-12	100s	1	6
02-EP-15a	497-13	1000s	1	6
02-EP-16a	497-71	100s	1	3
02-EP-17a	497-14	1000s	1	4
02-EP-19	497-15	100s	1	4
02-EP-21	497-16	10	1	2

Table 2.2 (continued)

Client Sample Name	A2Z Sample Number	Apatite Observed	Grain Mounts Prepared	Data Quality 1=poor 10=excellent
Garden Creek Triangle Zone				
02-EP-22a	497-17	1000s	1	7
02-EP-23a	497-18	10s	1	5
02-EP-25a	497-19	1000s	1	8
02-EP-26a	497-20	1000s	1	9
02-EP-27a	497-21	100s	1	6
Skady Triangle Zone				
02-EP-28a	497-22	10s	1	3
02-EP-30a	497-23	10s	1	3
West of Spatsizi River Footwall Crescent Fault west side of Griffith Fault				
02-OE-01a	497-24	100s	1	4
02-OE-02a	497-25	100s	1	3
02-OE-03a	497-26	100s	1	2
02-OE-04	497-27	10s	1	2
02-OE-05a	497-28	10s	1	2
02-OE-07a	497-29	100s	1	6
Roof of the Tango Creek (Skady) Triangle zone				
02-OE-15	497-30	100s	1	6
02-OE-16	497-31	100s	1	5
Thermochronology Motase Pluton				
02-EP-43	497-32	1000s	1	8
02-EP-44	497-33	1000s	1	8
02-EP-45	497-34	1000s	1	8
02-EP-46	497-35	1000s	1	9
02-EP-47	497-36	1000s	1	9
02-EP-48	497-37	1000s	1	8
02-EP-49	497-38	1000s	1	9
02-EP-50	497-39	1000s	1	8
02-EP-51	497-40	1000s	1	8
Groundhog-Jenkins high stratigraphic levels study				
02-OE-52a	497-41	100s	1	2
02-OE-53a	497-42	100s	1	2
02-OE-55a	497-43	100s	1	3
02-OE-56	497-44	100s	1	3
02-OE-57	497-45	100s	1	3
Jenkins Creek on East Side of Valley				
02-OE-58	497-46	100s	1	3
Tsatia-Maitland Unconformity Study				

Table 2.2 (continued)

Client Sample Name	A2Z Sample Number	Apatite Observed	Grain Mounts Prepared	Data Quality 1=poor 10=excellent
Tsatia Mountain Section				
02-EP-31	497-47	10s	1	5
02-EP-32	497-48	100s	1	6
02-EP-33	497-49	100s	1	6
02-EP-35	497-50	100s	1	6
02-EP-36a	497-51	100s	1	6
02-EP-37a	497-52	100s	1	4
Maitland Creek Section (last three in volcanics) going up through topography				
02-EP-38a	497-53	100s	1	6
02-EP-39a	497-54	1000s	1	7
02-EP-40	497-55	100s	1	4
Sample of Maitland Volcanics				
02-EP-41	497-56	1000s	1	5 (Xenolith Contaminated? Not reported)
02-EP-42	497-57	10s	1	6 (Xenolith Contaminated? Not reported)
02-EP-71	497-58	10	1	2
Mount Ritichie Study to Tie to Well				
02-OE-17	497-59	100s	1	5
02-OE-18	497-60	100s	1	4
02-OE-20	497-61	100s	1	4
02-OE-21	497-62	100s	1	4
02-OE-22	497-63	100s	1	3
02-OE-23	497-64	100s	1	3
02-OE-24	497-65	100s	1	2
02-OE-25	497-66	10s	1	2
Recumbent Fold Study				
02-EP-52a	497-67	100s	1	3
02-EP-53	497-68	10s	1	3
02-EP-54	497-69	100s	1	2
02-EP-55	497-70	1000s	1	8

2.3. Apatite Fission-Track Data Interpretation

The geological history implications of the apatite fission-track data are summarized in **Table 2.3**. The apatite fission-track age and length data are summarized in **Table 2.4** and **Table 2.5**, respectively.

The following pages show how the model results appear when they are loaded into the quantitative modeling program AFTSolve. As described in **Appendix A**, it is possible to test alternative thermal histories for each sample while maintaining these results as a background for guidance. AFTSolve (©1996-2003 Apatite to Zircon, Inc. and Richard A. Ketcham) implements various laboratory calibrations of the behavior of fission tracks in apatite in response to heating and cooling histories. Full details concerning these calibrations and the various uses of AFTSolve are publicly available (Carlson et al., 1999; Donelick et al., 1999; Ketcham et al., 1999; Ketcham et al., 2000). For each sample modeled, fission-track ages and track length distributions were calculated for a series of 20,000 randomly generated temperature histories. These randomly generated temperature histories were constrained to be geologically reasonable, where possible, by independently known information such as the stratigraphic age and present-day geological temperature for each sample. A temperature history was deemed acceptable (i.e., *Acceptable Fit*; solutions within the green band) when both the model fission-track age and the model fission track length distribution matched their measured counterparts with a level of confidence of 0.01 or greater. A temperature history was deemed good (i.e., *Good Fit*; solutions within the red band) when both the model fission-track age and model fission-track length distribution matched their measured counterparts with a level of confidence of 0.50 or greater. Vitrinite reflectance equivalent values were calculated using the EasyRo method of Sweeney and Burnham (1990) for each temperature history generated. Only the burial and exhumation segments of the overall temperature history were used to estimate expected vitrinite reflectance values; the provenance segment of each temperature history is ignored for this calculation.

Table 2.3 Geological history implications of the apatite fission-track data.

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
Triangle Zone & Associated Structures							
02-EP-01	497-01	165 Ma	Dpar (μm) = 1.76: 44.3 ± 12.8 Ma; Dpar (μm) = 2.56: 45.4 ± 4.7 Ma	Dpar (μm) = 1.76: ≥44.3 ± 12.8 Ma; Dpar (μm) = 2.56: ≥45.4 ± 4.7 Ma	≥35°C	≥140°C	1.11 ± 0.03%
02-EP-04a	497-02	165 Ma	Dpar (μm) = 1.85: 41.7 ± 3.8 Ma; Dpar (μm) = 2.88: 60.0 ± 13.5 Ma	Dpar (μm) = 1.85: ≥41.7 ± 3.8 Ma; Dpar (μm) = 2.88: ≥60.0 ± 13.5 Ma	≥45°C	≥152°C	1.41 ± 0.03%
02-EP-05a	497-03	165 Ma	Dpar (μm) = 2.02: 34.8 ± 2.7 Ma; Dpar (μm) = 2.66: 37.6 ± 6.6 Ma	Dpar (μm) = 2.02: ≥34.8 ± 2.7 Ma; Dpar (μm) = 2.66: ≥37.6 ± 6.6 Ma	≥65°C	≥182°C	1.22 ± 0.02%
02-EP-06a	497-04	165 Ma	Dpar (μm) = 2.02: 48.9 ± 4.3 Ma; Dpar (μm) = 2.54: 50.3 ± 9.8 Ma; Dpar (μm) = 2.94: 51.2 ± 32.4 Ma	Dpar (μm) = 2.02: ≥48.9 ± 4.3 Ma; Dpar (μm) = 2.54: ≥50.3 ± 9.8 Ma; Dpar (μm) = 2.94: ≥51.2 ± 32.4 Ma	≥20°C	≥148°C	1.45 ± 0.06%
02-EP-07a	497-05	165 Ma	Dpar (μm) = 1.90: 44.9 ± 5.7 Ma; Dpar (μm) = 2.68: 49.8 ± 4.4 Ma; Dpar (μm) = 3.30: 165 ± 76.5 Ma	Dpar (μm) = 1.90: ≥44.9 ± 5.7 Ma; Dpar (μm) = 2.68: ≥49.8 ± 4.4 Ma; Dpar (μm) = 3.30: ≥165 ± 76.5 Ma	≥35°C	≥162°C	1.83 ± 0.11%
02-EP-08	497-06	No Apatite					
02-EP-09a	497-07	90 Ma	Dpar (μm) = 1.74: 41.7 ± 2.1 Ma; Dpar (μm) = 2.44: 44.3 ± 16.9 Ma	Dpar (μm) = 1.74: ≥41.7 ± 2.1 Ma; Dpar (μm) = 2.44: ≥44.3 ± 16.9 Ma	≥35°C	≥130°C	0.99 ± 0.04%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-EP-10a	497-08	90 Ma	Dpar (μm) = 1.96: 35.0 ± 1.8 Ma	Dpar (μm) = 1.96: ≥35.0 ± 1.8 Ma	≥55°C	≥110°C	0.72 ± 0.01%
02-EP-11	497-09	90 Ma	Dpar (μm) = 2.07: 41.8 ± 3.8 Ma; Dpar (μm) = 2.90: 44.6 ± 8.9 Ma	Dpar (μm) = 2.07: ≥41.8 ± 3.8 Ma; Dpar (μm) = 2.90: ≥44.6 ± 8.9 Ma	≥45°C	≥137°C	1.39 ± 0.10%
02-EP-12a	497-10	90 Ma	Dpar (μm) = 1.77: 32.3 ± 2.1 Ma; Dpar (μm) = 2.30: 34.4 ± 4.8 Ma	Dpar (μm) = 1.77: ≥32.3 ± 2.1 Ma; Dpar (μm) = 2.30: ≥34.4 ± 4.8 Ma	≥85°C	≥126°C	0.89 ± 0.02%
02-EP-13a	497-11	165 Ma	Dpar (μm) = 1.72: 39.9 ± 7.2 Ma; Dpar (μm) = 2.51: 44.4 ± 3.2 Ma	Dpar (μm) = 1.72: ≥39.9 ± 7.2 Ma; Dpar (μm) = 2.51: ≥44.4 ± 3.2 Ma	≥35°C	≥135°C	1.06 ± 0.03%
02-EP-14	497-12	165 Ma	Dpar (μm) = 2.21: 39.4 ± 2.6 Ma; Dpar (μm) = 3.28: 44.4 ± 5.0 Ma	Dpar (μm) = 2.21: ≥39.4 ± 2.6 Ma; Dpar (μm) = 3.28: ≥44.4 ± 5.0 Ma	≥50°C	≥169°C	1.85 ± 0.05%
02-EP-15a	497-13	90 Ma	Dpar (μm) = 2.02: 35.6 ± 1.9 Ma	Dpar (μm) = 2.02: ≥35.6 ± 1.9 Ma	≥50°C	≥117°C	0.75 ± 0.01%
02-EP-16a	497-71	90 Ma	Dpar (μm) = 1.64: 32.0 ± 1.8 Ma; Dpar (μm) = 2.05: 41.3 ± 4.0 Ma	Dpar (μm) = 1.64: ≥32.0 ± 1.8 Ma; Dpar (μm) = 2.05: ≥41.3 ± 4.0 Ma	≥76°C	≥112°C	0.76 ± 0.01%
02-EP-17a	497-14	90 Ma	Dpar (μm) = 1.79: 39.4 ± 2.5 Ma; Dpar (μm) = 2.52: 90.0 ± 15.5 Ma	Dpar (μm) = 1.79: ≥39.4 ± 2.5 Ma; Dpar (μm) = 2.52: ≥90.0 ± 15.5 Ma	≥55°C	≥133°C	1.07 ± 0.03%
02-EP-19	497-15	165 Ma	Dpar (μm) = 1.76: 43.7 ± 6.3 Ma; Dpar (μm) = 2.54: 44.6 ± 7.6 Ma; Dpar (μm) = 3.29: 47.6 ± 30.5 Ma	Dpar (μm) = 1.76: ≥43.7 ± 6.3 Ma; Dpar (μm) = 2.54: ≥44.6 ± 7.6 Ma; Dpar (μm) = 3.29: ≥47.6 ± 30.5 Ma	Poorly constrained	≥140°C	1.77 ± 0.19%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-EP-21	497-16	185 Ma	Dpar (μm) = 1.66: 26.5 ± 7.5 Ma	Dpar (μm) = 1.66: ≥26.5 ± 7.5 Ma	Poorly constrained	≥88°C	0.64 ± 0.01%
02-EP-22a	497-17	90 Ma	Dpar (μm) = 1.80: 38.2 ± 3.2 Ma; Dpar (μm) = 2.48: 39.5 ± 7.2 Ma; Dpar (μm) = 2.98: 90.0 ± 11.1 Ma	Dpar (μm) = 1.80: ≥38.2 ± 3.2 Ma; Dpar (μm) = 2.48: ≥39.5 ± 7.2 Ma; Dpar (μm) = 2.98: ≥90.0 ± 11.1 Ma	≥45°C	≥152°C	1.49 ± 0.08%
02-EP-23a	497-18	80 Ma	Dpar (μm) = 1.77: 34.2 ± 2.4 Ma	Dpar (μm) = 1.77: ≥34.2 ± 2.4 Ma	≥45°C	≥99°C	0.65 ± 0.01%
02-EP-25a	497-19	90 Ma	Dpar (μm) = 1.91: 42.7 ± 3.8 Ma; Dpar (μm) = 2.83: 53.6 ± 4.8 Ma	Dpar (μm) = 1.91: ≥42.7 ± 3.8 Ma; Dpar (μm) = 2.83: ≥53.6 ± 4.8 Ma	≥40°C	≥153°C	1.36 ± 0.05%
02-EP-26a	497-20	90 Ma	Dpar (μm) = 2.11: 40.0 ± 2.5 Ma; Dpar (μm) = 2.81: 41.6 ± 5.0 Ma; Dpar (μm) = 3.24: 42.7 ± 11.0 Ma	Dpar (μm) = 2.11: ≥40.0 ± 2.5 Ma; Dpar (μm) = 2.81: ≥41.6 ± 5.0 Ma; Dpar (μm) = 3.24: ≥42.7 ± 11.0 Ma	≥45°C	≥146°C	1.59 ± 0.26%
02-EP-27a	497-21	90 Ma	Dpar (μm) = 1.73: 38.9 ± 2.3 Ma; Dpar (μm) = 2.25: 90.0 ± 7.1 Ma	Dpar (μm) = 1.73: ≥38.9 ± 2.3 Ma; Dpar (μm) = 2.25: ≥90.0 ± 7.1 Ma	≥40°C	≥121°C	0.86 ± 0.02%
02-EP-28a	497-22	165 Ma	Dpar (μm) = 1.80: 40.3 ± 6.1 Ma; Dpar (μm) = 2.49: 45.9 ± 5.3	Dpar (μm) = 1.80: ≥40.3 ± 6.1 Ma; Dpar (μm) = 2.49: ≥45.9 ± 5.3	Poorly constrained	≥129°C	1.04 ± 0.03%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-EP-30a	497-23	165 Ma	Dpar (μm) = 1.76: 30.0 ± 5.4 Ma	Dpar (μm) = 1.76: ≥30.0 ± 5.4 Ma	Poorly constrained	≥91°C	0.65 ± 0.01%
02-OE-01a	497-24	165 Ma	Dpar (μm) = 1.65: 43.1 ± 8.3 Ma; Dpar (μm) = 2.21: 43.8 ± 3.6 Ma; Dpar (μm) = 2.88: 44.8 ± 6.7 Ma	Dpar (μm) = 1.65: ≥43.1 ± 8.3 Ma; Dpar (μm) = 2.21: ≥43.8 ± 3.6 Ma; Dpar (μm) = 2.88: ≥44.8 ± 6.7 Ma	≥40°C	≥149°C	1.41 ± 0.04%
02-OE-02a	497-25	165 Ma	Dpar (μm) = 1.49: 34.2 ± 11.1 Ma; Dpar (μm) = 1.93: 35.5 ± 3.4 Ma; Dpar (μm) = 2.88: 43.4 ± 7.8 Ma	Dpar (μm) = 1.49: ≥34.2 ± 11.1 Ma; Dpar (μm) = 1.93: ≥35.5 ± 3.4 Ma; Dpar (μm) = 2.88: ≥43.4 ± 7.8 Ma	≥60°C	≥136°C	1.09 ± 0.03%
02-OE-03a	497-26	165 Ma	Dpar (μm) = 2.08: 42.4 ± 3.2 Ma; Dpar (μm) = 2.88: 43.6 ± 8.1 Ma	Dpar (μm) = 2.08: ≥42.4 ± 3.2 Ma; Dpar (μm) = 2.88: ≥43.6 ± 8.1 Ma	≥55°C	≥148°C	1.38 ± 0.05%
02-OE-04	497-27	185 Ma	Dpar (μm) = 1.72: 31.8 ± 3.5 Ma; Dpar (μm) = 2.93: 185 ± 103.1 Ma	Dpar (μm) = 1.72: ≥31.8 ± 3.5 Ma; Dpar (μm) = 2.93: ≥185 ± 103.1 Ma	≥55°C	≥121°C	1.35 ± 0.17%
02-OE-05a	497-28	185 Ma	Dpar (μm) = 1.64: 27.0 ± 7.0 Ma; Dpar (μm) = 2.32: 29.1 ± 10.5 Ma	Dpar (μm) = 1.64: ≥27.0 ± 7.0 Ma; Dpar (μm) = 2.32: ≥29.1 ± 10.5 Ma	≥70°C	≥117°C	0.89 ± 0.02%
02-OE-07a	497-29	165 Ma	Dpar (μm) = 2.08: 42.4 ± 3.5 Ma; Dpar (μm) = 3.09: 45.0 ± 20.1 Ma	Dpar (μm) = 2.08: ≥42.4 ± 3.5 Ma; Dpar (μm) = 3.09: ≥45.0 ± 20.1 Ma	≥50°C	≥150°C	1.59 ± 0.11%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-OE-15	497-30	90 Ma	Dpar (μm) = 1.66: 32.0 ± 4.6 Ma; Dpar (μm) = 2.57: 38.5 ± 3.6 Ma; Dpar (μm) = 3.30: 90.0 ± 20.5 Ma	Dpar (μm) = 1.66: ≥32.0 ± 4.6 Ma; Dpar (μm) = 2.57: ≥38.5 ± 3.6 Ma; Dpar (μm) = 3.30: ≥90.0 ± 20.5 Ma	≥85°C	≥154°C	1.77 ± 0.20%
02-OE-16	497-31	90 Ma	Dpar (μm) = 1.75: 30.7 ± 1.7 Ma	Dpar (μm) = 1.75: ≥30.7 ± 1.7 Ma	≥95°C	≥103°C	0.65 ± 0.01%
Thermochronology Motase Pluton							
02-EP-43	497-32	60 Ma	Dpar (μm) = 1.93: 41.3 ± 2.3 Ma	Dpar (μm) = 1.93: ≥41.3 ± 2.3 Ma	≥40°C	Not applicable	Not applicable
02-EP-44	497-33	60 Ma	Dpar (μm) = 1.83: 37.4 ± 2.2 Ma	Dpar (μm) = 1.83: ≥37.4 ± 2.2 Ma	≥20°C	Not applicable	Not applicable
02-EP-45	497-34	60 Ma	Dpar (μm) = 1.86: 39.2 ± 2.2 Ma	Dpar (μm) = 1.86: ≥39.2 ± 2.2 Ma	≥31°C	Not applicable	Not applicable
02-EP-46	497-35	60 Ma	Dpar (μm) = 1.90: 46.8 ± 2.5 Ma	Dpar (μm) = 1.90: ≥46.8 ± 2.5 Ma	≥27°C	Not applicable	Not applicable
02-EP-47	497-36	60 Ma	Dpar (μm) = 1.88: 36.8 ± 2.2 Ma	Dpar (μm) = 1.88: ≥36.8 ± 2.2 Ma	≥29°C	Not applicable	Not applicable
02-EP-48	497-37	60 Ma	Dpar (μm) = 1.84: 39.8 ± 2.1 Ma	Dpar (μm) = 1.84: ≥39.8 ± 2.1 Ma	≥34°C	Not applicable	Not applicable
02-EP-49	497-38	60 Ma	Dpar (μm) = 1.93: 31.5 ± 1.8 Ma	Dpar (μm) = 1.93: ≥31.5 ± 1.8 Ma	≥68°C	Not applicable	Not applicable
02-EP-50	497-39	60 Ma	Dpar (μm) = 1.91: 43.6 ± 2.4 Ma	Dpar (μm) = 1.91: ≥43.6 ± 2.4 Ma	≥50°C	Not applicable	Not applicable
02-EP-51	497-40	60 Ma	Dpar (μm) = 1.90: 42.4 ± 2.4 Ma	Dpar (μm) = 1.90: ≥42.4 ± 2.4 Ma	≥50°C	Not applicable	Not applicable
Groundhog-Jenkins Piggy-back Basin Study							
02-OE-52a	497-41	165 Ma	Dpar (μm) = 1.86: 46.9 ± 3.2 Ma; Dpar (μm) = 2.57: 48.7 ± 5.9 Ma	Dpar (μm) = 1.86: ≥46.9 ± 3.2 Ma; Dpar (μm) = 2.57: ≥48.7 ± 5.9 Ma	≥50°C	≥137°C	1.12 ± 0.03%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-OE-53a	497-42	165 Ma	Dpar (μm) = 1.86: 47.3 ± 3.0 Ma; Dpar (μm) = 2.34: 49.5 ± 4.8 Ma; Dpar (μm) = 3.00: 89.8 ± 14.7 Ma	Dpar (μm) = 1.86: ≥47.3 ± 3.0 Ma; Dpar (μm) = 2.34: ≥49.5 ± 4.8 Ma; Dpar (μm) = 3.00: ≥89.8 ± 14.7 Ma	≥35°C	≥136°C	1.44 ± 0.15%
02-OE-55a	497-43	165 Ma	Dpar (μm) = 1.59: 40.6 ± 12.6 Ma; Dpar (μm) = 2.10: 46.6 ± 3.0 Ma; Dpar (μm) = 2.97: 69.9 ± 13.0 Ma	Dpar (μm) = 1.59: ≥40.6 ± 12.6 Ma; Dpar (μm) = 2.10: ≥46.6 ± 3.0 Ma; Dpar (μm) = 2.97: ≥69.9 ± 13.0 Ma	≥46°C	≥149°C	1.49 ± 0.04%
02-OE-56	497-44	165 Ma	Dpar (μm) = 1.78: 47.6 ± 3.8 Ma; Dpar (μm) = 2.34: 49.7 ± 6.1 Ma	Dpar (μm) = 1.78: ≥47.6 ± 3.8 Ma; Dpar (μm) = 2.34: ≥49.7 ± 6.1 Ma	≥39°C	≥125°C	0.91 ± 0.02%
02-OE-57	497-45	165 Ma	Dpar (μm) = 1.97: 39.7 ± 2.7 Ma; Dpar (μm) = 3.20: 43.8 ± 11.4 Ma	Dpar (μm) = 1.97: ≥39.7 ± 2.7 Ma; Dpar (μm) = 3.20: ≥43.8 ± 11.4 Ma	≥50°C	≥170°C	1.77 ± 0.04%
02-OE-58	497-46	165 Ma	Dpar (μm) = 1.84: 47.5 ± 6.5 Ma; Dpar (μm) = 2.61: 59.4 ± 7.2 Ma; Dpar (μm) = 3.18: 165 ± 52.6 Ma	Dpar (μm) = 1.84: ≥47.5 ± 6.5 Ma; Dpar (μm) = 2.61: ≥59.4 ± 7.2 Ma; Dpar (μm) = 3.18: ≥165 ± 52.6 Ma	≥47°C	≥137°C	1.47 ± 0.24%
Tsatia-Maitland Unconformity Study							
02-EP-31	497-47	165 Ma	Dpar (μm) = 1.83: 36.6 ± 3.7 Ma; Dpar (μm) = 2.36: 165 ± 52.8 Ma	Dpar (μm) = 1.83: ≥36.6 ± 3.7 Ma; Dpar (μm) = 2.36: ≥165 ± 52.8 Ma	≥74°C	≥113°C	0.91 ± 0.04%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-EP-32	497-48	165 Ma	Dpar (μm) = 1.70: 58.4 ± 9.1 Ma; Dpar (μm) = 2.24: 59.3 ± 5.4 Ma; Dpar (μm) = 2.74: 60.2 ± 17.2 Ma	Dpar (μm) = 1.70: ≥58.4 ± 9.1 Ma; Dpar (μm) = 2.24: ≥59.3 ± 5.4 Ma; Dpar (μm) = 2.74: ≥60.2 ± 17.2 Ma	≥27°C	≥138°C	1.25 ± 0.04%
02-EP-33	497-49	165 Ma	Dpar (μm) = 1.84: 62.2 ± 11.8 Ma; Dpar (μm) = 2.22: 64.2 ± 4.8 Ma; Dpar (μm) = 2.63: 66.3 ± 12.6 Ma	Dpar (μm) = 1.84: ≥62.2 ± 11.8 Ma; Dpar (μm) = 2.22: ≥64.2 ± 4.8 Ma; Dpar (μm) = 2.63: ≥66.3 ± 12.6 Ma	≥31°C	≥133°C	1.16 ± 0.03%
02-EP-35	497-50	165 Ma	Dpar (μm) = 1.73: 64.5 ± 16.3 Ma; Dpar (μm) = 2.31: 165 ± 16.0 Ma	Dpar (μm) = 1.73: ≥64.5 ± 16.3 Ma; Dpar (μm) = 2.31: ≥165 ± 16.0 Ma	≥21°C	≥121°C	0.89 ± 0.02%
02-EP-36a	497-51	165 Ma	Dpar (μm) = 1.68: 62.3 ± 9.6 Ma; Dpar (μm) = 2.44: 63.5 ± 5.7 Ma	Dpar (μm) = 1.68: ≥62.3 ± 9.6 Ma; Dpar (μm) = 2.44: ≥63.5 ± 5.7 Ma	≥40°C	≥134°C	1.00 ± 0.02%
02-EP-37a	497-52	165 Ma	Dpar (μm) = 2.00: 54.2 ± 4.4 Ma; Dpar (μm) = 2.71: 165 ± 52.0 Ma	Dpar (μm) = 2.00: ≥54.2 ± 4.4 Ma; Dpar (μm) = 2.71: ≥165 ± 52.0 Ma	Poorly constrained	≥125°C	1.18 ± 0.10%
02-EP-38a	497-53	165 Ma	Dpar (μm) = 2.07: 62.2 ± 3.8 Ma; Dpar (μm) = 2.78: 66.3 ± 17.5 Ma	Dpar (μm) = 2.07: ≥62.2 ± 3.8 Ma; Dpar (μm) = 2.78: ≥66.3 ± 17.5 Ma	≥46°C	≥148°C	1.31 ± 0.03%
02-EP-39a	497-54	165 Ma	Dpar (μm) = 1.83: 59.2 ± 4.7 Ma; Dpar (μm) = 2.36: 62.4 ± 7.3 Ma; Dpar (μm) = 2.78: 64.4 ± 21.7 Ma	Dpar (μm) = 1.83: ≥59.2 ± 4.7 Ma; Dpar (μm) = 2.36: ≥62.4 ± 7.3 Ma; Dpar (μm) = 2.78: ≥64.4 ± 21.7 Ma	≥41°C	≥148°C	1.29 ± 0.03%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-EP-40	497-55	165 Ma	Dpar (μm) = 1.75: 52.6 ± 6.6 Ma; Dpar (μm) = 2.78: 58.2 ± 5.8 Ma	Dpar (μm) = 1.75: ≥52.6 ± 6.6 Ma; Dpar (μm) = 2.78: ≥58.2 ± 5.8 Ma	≥35°C	≥128°C	0.85 ± 0.02%
02-EP-71	497-58	~5 Ma	Dpar (μm) = 2.14: 7.0 ± 7.0 Ma	Dpar (μm) = 2.14: ≥7.0 ± 7.0 Ma	N/A	N/A	0.80 ± 0.02%
Mount Ritichie Study to Tie to Well							
02-OE-17	497-59	165 Ma	Dpar (μm) = 1.95: 44.5 ± 2.8 Ma; Dpar (μm) = 2.56: 56.7 ± 7.8 Ma	Dpar (μm) = 1.95: ≥44.5 ± 2.8 Ma; Dpar (μm) = 2.56: ≥56.7 ± 7.8 Ma	≥51°C	≥134°C	1.09 ± 0.05%
02-OE-18	497-60	165 Ma	Dpar (μm) = 1.81: 41.2 ± 3.6 Ma; Dpar (μm) = 2.46: 165 ± 22.6 Ma; Dpar (μm) = 3.04: 165 ± 83.4 Ma	Dpar (μm) = 1.81: ≥41.2 ± 3.6 Ma; Dpar (μm) = 2.46: ≥165 ± 22.6 Ma; Dpar (μm) = 3.04: ≥165 ± 83.4 Ma	≥65°C	≥134°C	0.98 ± 0.03%
02-OE-20	497-61	165 Ma	Dpar (μm) = 1.81: 41.9 ± 3.1 Ma; Dpar (μm) = 2.53: 113 ± 19.8 Ma	Dpar (μm) = 1.81: ≥41.9 ± 3.1 Ma; Dpar (μm) = 2.53: ≥113 ± 19.8 Ma	≥55°C	≥125°C	1.07 ± 0.05%
02-OE-21	497-62	165 Ma	Dpar (μm) = 1.80: 48.1 ± 3.4 Ma; Dpar (μm) = 2.52: 79.7 ± 8.6 Ma	Dpar (μm) = 1.80: ≥48.1 ± 3.4 Ma; Dpar (μm) = 2.52: ≥79.7 ± 8.6 Ma	≥50°C	≥131°C	1.07 ± 0.03%
02-OE-22	497-63	165 Ma	Dpar (μm) = 1.51: 30.9 ± 3.7 Ma; Dpar (μm) = 1.93: 36.9 ± 2.4 Ma	Dpar (μm) = 1.51: ≥30.9 ± 3.7 Ma; Dpar (μm) = 1.93: ≥36.9 ± 2.4 Ma	≥110°C	≥147°C	1.12 ± 0.02%
02-OE-23	497-64	165 Ma	Dpar (μm) = 1.70: 40.5 ± 3.1 Ma; Dpar (μm) = 2.50: 53.4 ± 8.7 Ma	Dpar (μm) = 1.70: ≥40.5 ± 3.1 Ma; Dpar (μm) = 2.50: ≥53.4 ± 8.7 Ma	≥80°C	≥131°C	1.05 ± 0.03%

Table 2.3 (continued)

Client Sample Name	A2Z Sample Number	Stratigraphic Age Modeled (Ma)	Oldest Fission Track (Ma)	Timing of Initiation of Uplift/ Cooling (Ma)	Amount of Recent Cooling Since 35 Ma	Peak Burial Temperature (°C)	EasyRo (%)
02-OE-24	497-65	165 Ma	Dpar (μm) = 1.53: 43.1 ± 10.8 Ma; Dpar (μm) = 2.17: 44.0 ± 5.4 Ma	Dpar (μm) = 1.53: ≥43.1 ± 10.8 Ma; Dpar (μm) = 2.17: ≥44.0 ± 5.4 Ma	≥60°C	≥117°C	0.81 ± 0.02%
02-OE-25	497-66	165 Ma	Dpar (μm) = 1.47: 37.7 ± 9.6 Ma; Dpar (μm) = 2.17: 42.2 ± 16.2 Ma	Dpar (μm) = 1.47: ≥37.7 ± 9.6 Ma; Dpar (μm) = 2.17: ≥42.2 ± 16.2 Ma	≥55°C	≥113°C	0.80 ± 0.01%
Recumbent Fold Study – Deep Structure							
02-EP-52a	497-67	165 Ma	Dpar (μm) = 1.76: 28.1 ± 4.7 Ma; Dpar (μm) = 2.44: 34.7 ± 8.2 Ma	Dpar (μm) = 1.76: ≥28.1 ± 4.7 Ma; Dpar (μm) = 2.44: ≥34.7 ± 8.2 Ma	≥100°C	≥132°C	0.99 ± 0.03%
02-EP-53	497-68	165 Ma	Dpar (μm) = 1.80: 53.5 ± 4.4 Ma; Dpar (μm) = 2.50: 55.5 ± 34.8 Ma	Dpar (μm) = 1.80: ≥53.5 ± 4.4 Ma; Dpar (μm) = 2.50: ≥55.5 ± 34.8 Ma	Poorly constrained	≥120°C	1.03 ± 0.06%
02-EP-54	497-69	165 Ma	Dpar (μm) = 1.66: 32.1 ± 4.9 Ma; Dpar (μm) = 2.24: 33.1 ± 4.9 Ma	Dpar (μm) = 1.66: ≥32.1 ± 4.9 Ma; Dpar (μm) = 2.24: ≥33.1 ± 4.9 Ma	≥55°C	≥122°C	0.85 ± 0.02%
02-EP-55	497-70	84 Ma	Dpar (μm) = 1.71: 41.3 ± 3.0 Ma	Dpar (μm) = 1.71: ≥41.3 ± 3.0 Ma	≥15°C	Not applicable	Not applicable

Table 2.4 Summary of the apatite fission-track age data for *all apatite grains combined*.

Client Sample Name	A2Z Sample Number	ρ_s (10^6 tracks cm^{-2})	N_s (tracks)	ρ_i (10^6 tracks cm^{-2})	N_i (tracks)	ρ_d (10^6 tracks cm^{-2})	N_d (tracks)	Grains (dmnls)	Q (dmnls)	Dpar (μm)	Dper (μm)	Pooled Fission-Track Age (Ma)	Mean Fission-Track Age (Ma)	Median Fission-Track Age (Ma)
Standards														
Fish Canyon Tuff-A(1) 27.8 Ma	FC-01	0.202	201	1.156	1151	2.985	4411	30	0.741	2.40	0.58	27.2±2.2	28.9±2.2	29.9 2.6- 1.5+
Fish Canyon Tuff-A(2) 27.8 Ma	FC-01	0.190	168	1.085	962	2.985	4411	30	0.412	2.46	0.58	27.2±2.4	29.4±3.0	25.9 2.0- 3.4+
Fish Canyon Tuff-C(1) 27.8 Ma	FC-01	0.212	180	1.200	1018	2.962	4411	32	0.364	2.43	0.71	27.3±2.3	29.5±2.9	26.3 1.8- 3.0+
Fish Canyon Tuff-C(2) 27.8 Ma	FC-01	0.214	117	1.268	693	2.962	4411	29	0.194	2.43	0.70	26.1±2.7	27.5±3.7	22.9 2.8- 4.8+
Fish Canyon Tuff-D(1) 27.8 Ma	FC-01	0.248	131	1.319	697	2.939	4411	29	0.430	2.46	0.50	28.8±2.9	29.2±3.3	27.0 3.3- 3.5+
Fish Canyon Tuff-D(2) 27.8 Ma	FC-01	0.222	91	1.118	458	2.939	4411	24	0.820	2.37	0.46	30.4±3.6	29.6±3.6	30.3 4.6- 4.0+
Durango-A(1) 31.4 Ma	DR-01	0.178	241	0.826	1119	2.917	4411	30	0.595	1.76	0.27	32.7±2.5	33.2±2.6	34.7 3.1- 1.3+
Durango-A(2) 31.4 Ma	DR-01	0.170	226	0.810	1077	2.917	4411	30	0.831	1.77	0.23	31.9±2.5	32.5±2.2	32.3 1.7- 2.9+
Durnago-B(1) 31.4 Ma	DR-01	0.176	203	0.836	962	2.894	4411	25	0.751	1.83	0.36	31.8±2.6	33.3±2.9	28.5 1.4- 3.5+
Durango-B(2) 31.4 Ma	DR-01	0.176	237	0.835	1122	2.894	4411	30	0.086	1.87	0.24	31.9±2.5	34.2±3.4	30.6 2.1- 2.2+
Durango-D(1) 31.4 Ma	DR-01	0.157	191	0.852	1034	2.871	4411	25	0.650	1.95	0.24	27.7±2.3	27.8±2.4	24.3 1.0- 3.0+
Triangle Zone & Associated Structures														
02-EP-01	497-01	0.217	142	0.827	542	3.548	4151	40	1	2.41	0.57	48.4 4.8	51.9 3.0	51.6 2.4- 2.4+
02-EP-04a	497-02	0.152	189	0.7	873	3.549	4151	40	0.198	1.99	0.38	40.0 3.4	44.0 4.4	43.1 5.3- 2.9+
02-EP-05a	497-03	0.303	277	1.507	1379	3.55	4151	40	0.642	2.16	0.53	37.2 2.7	42.9 3.0	41.1 1.5- 2.6+
02-EP-06a	497-04	0.199	220	0.724	802	3.551	4151	40	0.823	2.15	0.5	50.7 4.1	55.1 4.8	46.2 2.2- 4.8+
02-EP-07a	497-05	0.192	264	0.771	1057	3.552	4151	40	0.49	2.31	0.62	46.2 3.5	46.6 3.7	43.1 2.0- 3.8+
02-EP-08	497-06	No apatite grains												
02-EP-09a	497-07	0.666	661	3.132	3109	3.553	4151	40	0.012	1.77	0.4	39.3 2.0	38.3 2.7	36.9 1.6- 2.4+
02-EP-10a	497-08	0.624	705	3.473	3924	3.554	4151	40	0.012	1.88	0.39	33.3 1.7	37.9 3.1	34.6 1.9- 1.9+
02-EP-11	497-09	0.247	202	1.188	973	3.555	4151	40	0.924	2.21	0.59	38.4 3.2	43.7 2.8	46.3 3.0- 1.9+

Table 2.4 (continued)

Client Sample Name	A2Z Sample Number	ρ_s (10^6 tracks cm^{-2})	N_s (tracks)	ρ_i (10^6 tracks cm^{-2})	N_i (tracks)	ρ_d (10^6 tracks cm^{-2})	N_d (tracks)	Grains (dmnls)	Q (dmnls)	Dpar (μm)	Dper (μm)	Pooled Fission-Track Age (Ma)	Mean Fission-Track Age (Ma)	Median Fission-Track Age (Ma)
02-EP-12a	497-10	0.327	396	1.997	2420	3.555	4151	40	0.798	1.83	0.38	30.3 1.9	31.6 2.1	31.9 1.9- 1.3+
02-EP-13a	497-11	0.269	321	1.245	1486	3.556	4151	40	0.809	2.41	0.64	40.0 2.7	40.8 3.0	38.4 2.3- 3.2+
02-EP-14	497-12	0.316	454	1.549	2224	3.557	4151	40	0.027	2.51	0.72	37.8 2.2	43.9 2.7	42.9 2.4- 2.8+
02-EP-15a	497-13	0.77	618	4.166	3342	3.558	4151	40	0.284	2.02	0.51	34.3 1.8	36.0 2.2	33.6 1.2- 2.4+
02-EP-16a	497-71	0.73	698	4.134	3951	3.623	4220	40	0.327	1.67	0.47	33.4 1.7	35.7 2.4	35.4 1.5- 1.6+
02-EP-17a	497-14	0.376	421	2.061	2307	3.559	4151	40	0.002	1.85	0.39	33.8 2.1	33.6 2.6	30.0 1.5- 2.3+
02-EP-19	497-15	0.181	110	0.735	448	3.56	4151	39	0.996	2.08	0.59	45.5 5.0	54.1 5.7	41.2 2.0- 6.4+
02-EP-21	497-16	0.135	14	1.001	104	3.561	4151	5	0.623	1.58	0.28	25.0 7.2	28.9 7.6	25.6 5.9- 8.5+
02-EP-22a	497-17	0.254	316	1.338	1665	3.562	4151	40	0.716	2.35	0.75	35.2 2.4	37.1 3.2	34.1 2.0- 2.1+
02-EP-23a	497-18	0.455	299	2.566	1685	3.563	4151	28	0.135	1.65	0.34	32.9 2.3	33.2 2.5	34.4 2.8- 0.9+
02-EP-25a	497-19	0.226	348	0.874	1345	3.564	4151	40	0.838	2.35	0.71	48.0 3.2	46.4 2.9	43.5 1.5- 3.1+
02-EP-26a	497-20	0.281	491	1.213	2119	3.564	4151	40	0.373	2.45	0.81	43.0 2.5	46.9 3.2	43.5 2.3- 3.4+
02-EP-27a	497-21	0.649	779	3.075	3689	3.565	4151	40	0.014	1.86	0.45	39.2 1.9	40.8 3.6	36.9 2.0- 2.2+
02-EP-28a	497-22	0.167	151	0.787	710	3.566	4151	39	0.742	2.18	0.67	39.5 3.7	43.4 3.8	46.4 5.1- 1.8+
02-EP-30a	497-23	0.253	38	1.582	238	3.567	4151	11	0.269	1.78	0.45	29.7 5.3	34.9 9.2	28.6 5.5- 9.8+
02-OE-01a	497-24	0.307	300	1.385	1354	3.568	4151	40	0.452	2.36	0.63	41.2 2.9	47.7 3.6	48.4 4.0- 3.2+
02-OE-02a	497-25	0.186	193	1.077	1115	3.569	4151	40	0.169	2.08	0.6	32.2 2.7	37.5 3.4	32.2 1.8- 2.8+
02-OE-03a	497-26	0.353	290	1.694	1394	3.57	4151	40	0.49	2.06	0.68	38.7 2.7	41.8 3.9	39.5 3.1- 3.0+
02-OE-04	497-27	0.297	111	2.044	764	3.571	4151	22	0.141	1.99	0.58	27.1 2.9	31.9 4.8	30.0 1.6- 2.0+
02-OE-05a	497-28	0.169	26	1.352	208	3.572	4151	10	0.694	2.12	0.53	23.3 4.9	36.3 10.1	30.4 7.7- 15.6+
02-OE-07a	497-29	0.179	216	0.833	1005	3.573	4151	40	0.806	2.13	0.64	40.0 3.2	45.0 3.6	42.9 2.8- 3.1+
02-OE-15	497-30	0.193	231	1.069	1283	3.574	4151	40	0.739	2.5	0.79	33.5 2.6	37.4 3.0	34.9 2.1- 2.3+
02-OE-16	497-31	0.311	495	2.05	3267	3.574	4151	40	1	1.68	0.31	28.2 1.6	29.7 1.3	29.4 0.9- 0.8+
Thermochronology Motase Pluton														
02-EP-43	497-32	0.527	583	2.56	2833	3.575	4151	25	0.12	1.79	0.35	38.3 2.1	40.4 2.7	39.2 2.0- 2.9+
02-EP-44	497-33	0.409	465	2.056	2335	3.576	4151	25	0.537	1.85	0.39	37.1 2.2	37.6 2.2	38.0 1.8- 0.7+
02-EP-45	497-34	0.468	531	2.373	2695	3.577	4151	25	0.619	1.89	0.42	36.7 2.0	37.5 2.0	36.3 1.1- 2.3+
02-EP-46	497-35	0.528	630	2.216	2646	3.578	4151	25	0.029	1.84	0.4	44.4 2.4	45.1 3.0	42.7 1.5- 1.5+
02-EP-47	497-36	0.418	475	2.197	2495	3.579	4151	25	0.365	1.9	0.4	35.5 2.1	35.7 2.1	36.9 3.0- 1.2+
02-EP-48	497-37	0.522	605	2.497	2896	3.623	4220	25	0.591	1.84	0.39	39.4 2.1	39.7 2.2	40.5 1.8- 0.4+
02-EP-49	497-38	0.454	529	2.658	3096	3.623	4220	25	0.738	1.97	0.38	32.3 1.8	33.0 1.6	31.8 0.7- 2.0+
02-EP-50	497-39	0.487	565	2.396	2779	3.623	4220	25	0.001	1.9	0.38	38.4 2.1	40.3 3.0	39.6 3.6- 3.2+
02-EP-51	497-40	0.456	520	2.097	2392	3.623	4220	25	0.384	1.93	0.43	41.0 2.3	42.2 2.5	39.2 1.5- 3.1+
Groundhog-Jenkins Piggy-back Basin Study														
02-EP-52a	497-41	0.553	428	2.321	1796	3.623	4220	39	0.003	2.03	0.52	45.0 2.8	52.0 4.7	50.0 4.5- 3.1+

Table 2.4 (continued)

Client Sample Name	A2Z Sample Number	ρ_s (10^6 tracks cm^{-2})	N_s (tracks)	ρ_i (10^6 tracks cm^{-2})	N_i (tracks)	ρ_d (10^6 tracks cm^{-2})	N_d (tracks)	Grains (dmnls)	Q (dmnls)	Dpar (μm)	Dper (μm)	Pooled Fission-Track Age (Ma)	Mean Fission-Track Age (Ma)	Median Fission-Track Age (Ma)
02-EP-53a	497-42	0.61	599	2.427	2384	3.623	4220	40	0.115	2.12	0.56	47.4 2.6	48.9 3.5	45.6 1.9- 2.7+
02-EP-55a	497-43	0.396	445	1.793	2017	3.623	4220	40	0.087	2.02	0.5	41.6 2.5	44.6 3.4	42.1 1.8- 1.8+
02-EP-56	497-44	0.44	316	1.917	1376	3.623	4220	40	0.016	1.9	0.47	43.3 3.0	44.0 3.8	40.7 2.0- 4.0+
02-EP-57	497-45	0.363	353	1.936	1883	3.623	4220	40	0.653	2.05	0.52	35.4 2.3	40.5 3.6	36.7 1.8- 2.2+
02-EP-58	497-46	0.218	179	0.834	686	3.623	4220	40	0.843	2.21	0.71	49.2 4.4	43.2 4.4	40.4 2.4- 4.1+
Tsatia-Maitland Unconformity Study														
02-EP-31	497-47	0.395	138	2.479	865	3.623	4220	16	0.388	1.87	0.44	30.1 2.9	30.6 3.3	30.7 4.1- 1.4+
02-EP-32	497-48	0.241	253	0.821	862	3.623	4220	40	0.866	2.13	0.68	55.3 4.3	60.7 4.4	55.9 3.3- 5.0+
02-EP-33	497-49	0.34	360	0.969	1027	3.623	4220	40	0.759	2.22	0.73	66.0 4.5	73.9 4.8	74.0 4.4- 4.7+
02-EP-35	497-50	0.229	194	0.61	517	3.623	4220	40	0.493	2.25	0.75	70.6 6.3	74.8 6.9	62.8 5.1- 9.0+
02-EP-36a	497-51	0.384	278	1.07	775	3.623	4220	40	0.957	2.27	0.78	67.5 5.1	72.3 5.2	68.5 3.5- 5.6+
02-EP-37a	497-52	0.376	228	1.347	818	3.623	4220	40	0.134	2.09	0.63	52.5 4.2	72.4 9.5	60.3 6.2- 6.3+
02-EP-38a	497-53	0.352	492	1.148	1604	3.623	4220	40	0.042	2.12	0.66	57.8 3.4	61.4 4.3	55.5 3.4- 5.3+
02-EP-39a	497-54	0.319	369	1.015	1176	3.623	4220	40	0.366	2.1	0.68	59.1 3.9	67.9 4.4	62.8 3.1- 4.9+
02-EP-40	497-55	0.303	255	1.163	980	3.623	4220	40	0.017	1.94	0.58	49.1 3.7	45.6 4.3	47.2 3.0- 2.8+
02-EP-71	497-58	0.021	1	0.601	28	3.623	4220	2	0.071	2.23	0.72	6.76 6.88	15.8 22.3	15.7 23.3- 23.3+
Mount Ritichie Study to Tie to Well														
02-OE-17	497-59	0.454	446	1.778	1745	3.623	4220	40	0.105	2.01	0.6	48.2 2.9	53.1 3.3	50.1 2.3- 4.9+
02-OE-18	497-60	0.378	252	1.634	1089	3.623	4220	40	0.014	2.07	0.54	43.7 3.3	55.5 4.8	51.4 4.2- 4.2+
02-OE-20	497-61	0.364	305	1.76	1475	3.623	4220	40	0.026	1.85	0.53	39.0 2.7	43.9 4.1	39.8 2.7- 3.6+
02-OE-21	497-62	0.508	426	2.115	1775	3.623	4220	40	0	1.99	0.6	45.3 2.8	50.7 5.0	45.4 4.8- 7.1+
02-OE-22	497-63	0.489	467	2.955	2821	3.623	4220	40	0	1.87	0.53	31.3 1.8	43.0 4.3	36.4 3.3- 5.2+
02-OE-23	497-64	0.359	289	1.74	1400	3.623	4220	40	0.622	1.83	0.56	39.0 2.8	46.8 3.9	43.2 3.1- 2.8+
02-OE-24	497-65	0.314	107	1.435	489	3.623	4220	38	0.999	1.91	0.61	41.3 4.6	47.7 5.0	43.8 3.0- 1.9+
02-OE-25	497-66	0.179	26	1.075	156	3.623	4220	14	0.874	1.8	0.55	31.5 6.7	47.9 13.0	32.9 3.8- 12.3+
Recumbent Fold Study – Deep Structure														
02-EP-52a	497-67	0.086	65	0.614	464	3.623	4220	39	0.785	2	0.7	26.5 3.6	39.5 4.3	37.7 3.2- 2.8+
02-EP-53	497-68	0.87	223	2.934	752	3.623	4220	24	0.416	1.89	0.68	55.9 4.6	49.8 9.2	47.2 10.5- 4.8+
02-EP-54	497-69	0.138	108	0.861	674	3.623	4220	38	0.934	1.86	0.54	30.3 3.3	39.7 3.7	37.7 2.1- 3.9+
02-EP-55	497-70	0.367	279	1.709	1299	3.623	4220	25	0.832	1.71	0.42	40.5 2.9	42.6 2.8	44.8 3.2- 1.7+

Table 2.5 Summary of the apatite fission-track length data for *all apatite grains combined*.

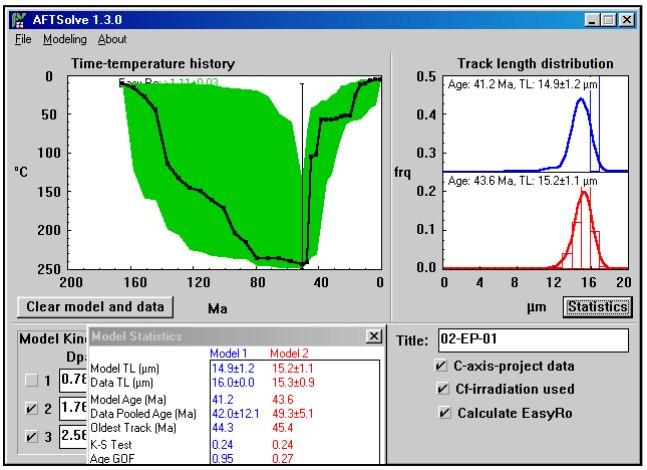
Client Sample Name	A2Z Sample Number	Tracks (tracks)	Mean ± Standard Error (μm)	Standard Deviation (μm)	Dpar (μm)	Dper (μm)	0-1 (μm)	1-2 (μm)	2-3 (μm)	3-4 (μm)	4-5 (μm)	5-6 (μm)	6-7 (μm)	7-8 (μm)	8-9 (μm)	9-10 (μm)	10-11 (μm)	11-12 (μm)	12-13 (μm)	13-14 (μm)	14-15 (μm)	15-16 (μm)	16-17 (μm)	17-18 (μm)	18-19 (μm)	19-20 (μm)
Standards																										
Fish Canyon Tuff-B 27.8 Ma	FC-01	130	15.01±0.09	1.02	**2.36**	0.46	-	-	-	-	-	-	-	-	-	-	-	1	3	16	46	39	23	2	-	-
Durango-D 31.4 Ma	DR-01	138	14.59±0.08	0.98	**1.87**	0.22	-	-	-	-	-	-	-	-	-	-	-	1	5	28	60	32	10	2	-	-
Triangle Zone & Associated Structures																										
02-EP-01	497-01	200	14.51 0.09	1.3	2.63	0.8	-	-	-	-	-	-	-	-	-	1	2	6	11	40	71	50	16	3	-	-
02-EP-04a	497-02	88	14.11 0.11	1.07	2.49	0.79	-	-	-	-	-	-	-	-	-	-	-	4	11	19	36	17	1	-	-	-
02-EP-05a	497-03	196	14.21 0.10	1.35	2.47	0.8	-	-	-	-	-	-	1	-	-	2	2	7	12	41	83	35	11	2	-	-
02-EP-06a	497-04	200	14.28 0.10	1.46	2.41	0.65	-	-	-	-	-	-	-	1	-	-	4	6	26	48	45	48	18	4	-	-
02-EP-07a	497-05	200	14.11 0.13	1.8	2.7	0.87	-	-	-	-	1	-	-	3	-	2	4	8	25	32	51	56	17	1	-	-
02-EP-08	497-06	No apatite grains																								
02-EP-09a	497-07	201	14.02 0.10	1.42	2.1	0.51	-	-	-	-	-	-	-	-	1	4	4	7	16	62	59	41	6	1	-	-
02-EP-10a	497-08	203	13.94 0.12	1.72	2.06	0.46	-	-	-	-	2	-	-	-	-	3	6	9	20	47	65	40	10	1	-	-
02-EP-11	497-09	133	13.83 0.14	1.64	2.4	0.72	-	-	-	-	-	-	-	-	2	3	1	11	14	29	44	21	6	2	-	-
02-EP-12a	497-10	201	13.90 0.11	1.56	2.08	0.45	-	-	-	-	-	1	-	-	2	3	5	5	19	51	76	32	7	-	-	-
02-EP-13a	497-11	201	14.34 0.10	1.43	2.41	0.71	-	-	-	-	-	-	-	-	2	3	2	4	11	44	70	50	15	-	-	-
02-EP-14	497-12	147	14.19 0.13	1.58	2.31	0.57	-	-	-	-	1	-	-	-	-	2	2	5	12	37	44	34	9	1	-	-
02-EP-15a	497-13	203	14.16 0.10	1.4	2.11	0.43	-	-	-	-	-	-	-	-	-	3	6	3	21	45	70	41	12	2	-	-
02-EP-16a	497-71	203	14.68 0.08	1.17	2.1	0.53	-	-	-	-	-	-	-	-	-	-	-	6	12	30	76	56	20	3	-	-
02-EP-17a	497-14	126	13.87 0.13	1.48	2.19	0.48	-	-	-	-	-	-	-	-	-	3	5	7	9	36	40	23	2	1	-	-
02-EP-19	497-15	23	14.64 0.30	1.41	2.45	0.66	-	-	-	-	-	-	-	-	-	-	1	-	1	4	9	4	4	-	-	-
02-EP-21	497-16	4	14.19 0.27	0.46	1.96	0.38	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-
02-EP-22a	497-17	203	14.16 0.12	1.75	2.49	0.71	-	-	-	-	1	2	-	-	1	2	2	5	14	46	71	42	12	5	-	-
02-EP-23a	497-18	62	14.17 0.16	1.29	1.84	0.31	-	-	-	-	-	-	-	-	-	-	-	7	3	13	25	9	5	-	-	-
02-EP-25a	497-19	202	14.52 0.09	1.31	2.51	0.7	-	-	-	-	-	-	-	-	-	1	3	5	12	33	83	39	22	4	-	-
02-EP-26a	497-20	203	14.31 0.09	1.28	2.29	0.72	-	-	-	-	-	-	-	-	-	-	3	6	18	47	71	42	15	1	-	-
02-EP-27a	497-21	203	14.01 0.10	1.4	2	0.49	-	-	-	-	-	-	-	-	1	1	5	13	19	47	74	33	9	1	-	-
02-EP-28a	497-22	45	14.00 0.31	2.04	2.32	0.72	-	-	-	-	-	1	1	-	-	-	-	-	5	9	16	10	3	-	-	-
02-EP-30a	497-23	13	14.03 0.57	1.97	2.23	0.63	-	-	-	-	-	-	-	-	1	-	-	-	-	4	6	1	-	1	-	-
02-OE-01a	497-24	201	14.22 0.12	1.65	2.73	0.7	-	-	-	-	-	1	-	-	2	2	4	7	18	45	53	53	13	3	-	-
02-OE-02a	497-25	108	13.94 0.16	1.69	2.38	0.6	-	-	-	-	-	-	1	2	-	-	-	4	18	26	32	16	8	1	-	-
02-OE-03a	497-26	173	14.08 0.10	1.35	2.28	0.62	-	-	-	-	-	-	-	2	1	-	-	3	19	55	53	31	8	1	-	-
02-OE-04	497-27	31	13.45 0.30	1.67	1.92	0.54	-	-	-	-	-	-	-	-	-	2	2	2	3	7	11	4	-	-	-	-

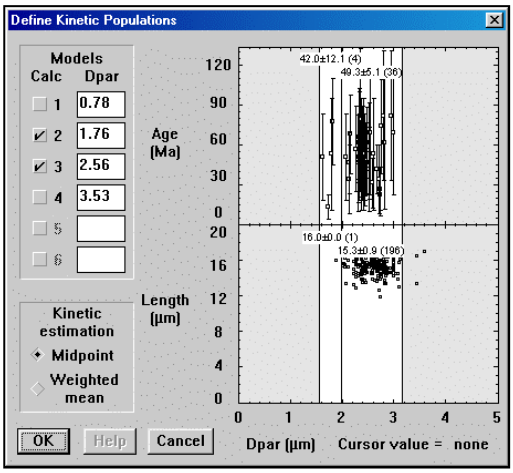
Table 2.5 (continued)

Client Sample Name	A2Z Sample Number	Tracks (tracks)	Mean ± Standard Error (μm)	Standard Deviation (μm)	Dpar (μm)	Dper (μm)	0-1 (μm)	1-2 (μm)	2-3 (μm)	3-4 (μm)	4-5 (μm)	5-6 (μm)	6-7 (μm)	7-8 (μm)	8-9 (μm)	9-10 (μm)	10-11 (μm)	11-12 (μm)	12-13 (μm)	13-14 (μm)	14-15 (μm)	15-16 (μm)	16-17 (μm)	17-18 (μm)	18-19 (μm)	19-20 (μm)
02-OE-05a	497-28	13	13.78 0.28	0.95	1.84	0.59	-	-	-	-	-	-	-	-	-	-	-	-	3	6	3	1	-	-	-	-
02-OE-07a	497-29	142	13.75 0.15	1.79	2.34	0.65	-	-	-	-	-	-	1	1	3	3	1	6	17	41	37	23	9	-	-	-
02-OE-15	497-30	206	14.11 0.09	1.32	2.34	0.62	-	-	-	-	-	-	-	-	1	-	2	6	30	53	64	39	8	3	-	-
02-OE-16	497-31	203	13.86 0.10	1.42	1.88	0.4	-	-	-	-	-	-	-	-	1	3	4	8	29	55	63	32	6	2	-	-
Thermochronology Motase Pluton																										
02-EP-43	497-32	132	13.97 0.17	1.96	1.91	0.38	-	-	-	-	-	2	3	1	-	1	-	-	11	31	50	28	4	1	-	-
02-EP-44	497-33	129	14.36 0.12	1.37	1.8	0.42	-	-	-	-	-	-	1	-	1	-	1	2	7	32	44	31	9	1	-	-
02-EP-45	497-34	135	14.55 0.10	1.13	1.85	0.4	-	-	-	-	-	-	-	-	1	-	-	1	6	21	67	30	9	-	-	-
02-EP-46	497-35	131	14.44 0.09	1	2	0.41	-	-	-	-	-	-	-	-	-	-	1	2	8	27	51	39	3	-	-	-
02-EP-47	497-36	129	14.32 0.14	1.62	1.93	0.43	-	-	-	-	-	-	2	1	-	-	1	4	5	28	42	39	6	1	-	-
02-EP-48	497-37	130	14.12 0.14	1.63	1.92	0.4	-	-	-	-	2	-	-	-	-	-	-	3	12	42	36	28	6	1	-	-
02-EP-49	497-38	126	14.06 0.13	1.47	1.88	0.44	-	-	-	-	-	-	1	-	2	1	1	2	12	27	59	14	6	1	-	-
02-EP-50	497-39	132	13.96 0.12	1.41	1.88	0.37	-	-	-	-	-	-	-	1	2	-	2	2	16	35	47	22	5	-	-	-
02-EP-51	497-40	127	14.35 0.10	1.12	1.98	0.38	-	-	-	-	-	-	-	-	-	1	-	1	10	33	46	28	7	1	-	-
Groundhog-Jenkins Piggy Back Basin Study																										
02-EP-52a	497-41	124	13.61 0.17	1.85	2.1	0.55	-	-	-	-	1	-	1	2	-	3	-	5	17	40	30	20	5	-	-	-
02-EP-53a	497-42	207	13.93 0.10	1.48	2	0.57	-	-	-	-	-	-	-	1	1	2	6	8	25	49	71	36	7	1	-	-
02-EP-55a	497-43	195	13.99 0.10	1.37	2.11	0.63	-	-	-	-	-	-	-	-	1	1	5	8	23	57	55	36	8	1	-	-
02-EP-56	497-44	169	14.03 0.10	1.31	2.11	0.58	-	-	-	-	-	-	-	-	2	1	3	4	14	51	61	29	2	2	-	-
02-EP-57	497-45	213	13.99 0.10	1.42	2.02	0.52	-	-	-	-	-	1	-	2	-	2	1	4	27	56	81	34	4	1	-	-
02-EP-58	497-46	182	14.13 0.10	1.32	2.31	0.67	-	-	-	-	-	-	-	2	-	-	3	6	8	58	63	33	9	-	-	-
Tsatia-Maitland Unconformity Study																										
02-EP-31	497-47	16	13.92 0.55	2.15	1.84	0.37	-	-	-	-	-	-	-	1	-	-	-	1	1	3	3	7	-	-	-	-
02-EP-32	497-48	203	14.22 0.09	1.33	2.34	0.68	-	-	-	-	-	-	-	-	2	2	1	2	14	62	63	43	14	-	-	-
02-EP-33	497-49	177	14.21 0.08	1.02	2.27	0.69	-	-	-	-	-	-	-	-	-	2	2	1	7	56	65	42	2	-	-	-
02-EP-35	497-50	110	14.26 0.10	1.04	2.3	0.69	-	-	-	-	-	-	-	-	-	-	1	3	7	28	46	20	5	-	-	-
02-EP-36a	497-51	201	13.90 0.12	1.65	2.25	0.73	-	-	-	-	1	1	-	2	2	2	1	4	22	52	70	39	5	-	-	-
02-EP-37a	497-52	82	14.24 0.13	1.17	2.19	0.66	-	-	-	-	-	-	-	-	1	-	-	1	9	15	35	19	2	-	-	-
02-EP-38a	497-53	200	13.93 0.10	1.43	2.21	0.64	-	-	-	-	1	-	-	-	-	4	2	8	22	50	80	26	7	-	-	-
02-EP-39a	497-54	201	14.03 0.10	1.47	2.26	0.73	-	-	-	-	1	-	-	1	1	1	2	5	21	52	74	39	4	-	-	-
02-EP-40	497-55	120	14.31 0.09	1	2.29	0.72	-	-	-	-	-	-	-	-	-	-	2	1	6	32	48	30	1	-	-	-
02-EP-71	497-58	2	14.48 0.25	0.25	1.81	0.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Mount Ritichie Study to Tie to Well																										
02-OE-17	497-59	201	13.72 0.12	1.77	2.18	0.59	-	-	-	-	-	-	1	2	1	3	10	15	26	42	58	33	8	2	-	-
02-OE-18	497-60	201	13.36 0.11	1.53	2.15	0.6	-	-	-	-	-	-	-	-	1	7	11	16	38	50	48	28	2	-	-	-

Table 2.5 (continued)

Client Sample Name	A2Z Sample Number	Tracks (tracks)	Mean ± Standard Error (μm)	Standard Deviation (μm)	Dpar (μm)	Dper (μm)	0-1 (μm)	1-2 (μm)	2-3 (μm)	3-4 (μm)	4-5 (μm)	5-6 (μm)	6-7 (μm)	7-8 (μm)	8-9 (μm)	9-10 (μm)	10-11 (μm)	11-12 (μm)	12-13 (μm)	13-14 (μm)	14-15 (μm)	15-16 (μm)	16-17 (μm)	17-18 (μm)	18-19 (μm)	19-20 (μm)
02-OE-20	497-61	201	13.67 0.10	1.45	2.13	0.58	-	-	-	-	-	-	-	-	-	3	13	12	30	47	62	31	3	-	-	-
02-OE-21	497-62	201	13.63 0.11	1.6	2.14	0.64	-	-	-	-	-	-	-	1	3	2	10	11	23	57	57	33	4	-	-	-
02-OE-22	497-63	90	13.97 0.14	1.28	2.17	0.65	-	-	-	-	-	-	-	-	-	2	2	4	8	25	33	16	-	-	-	-
02-OE-23	497-64	202	13.22 0.15	2.1	2.23	0.66	-	-	-	-	2	1	-	2	2	6	17	20	28	39	49	28	7	1	-	-
02-OE-24	497-65	122	13.62 0.14	1.51	2.28	0.56	-	-	-	-	-	-	-	-	1	1	4	13	22	26	36	12	7	-	-	-
02-OE-25	497-66	77	13.23 0.21	1.82	2.32	0.55	-	-	-	-	-	-	-	-	2	4	3	6	16	14	20	10	2	-	-	-
Recumbent Fold Study																										
02-EP-52a	497-67	84	14.04 0.18	1.64	2.31	0.57	-	-	-	-	1	-	-	-	1	1	1	-	8	19	38	11	4	-	-	-
02-EP-53	497-68	55	14.53 0.14	1.04	2.21	0.56	-	-	-	-	-	-	-	-	-	-	-	-	3	14	19	15	4	-	-	-
02-EP-54	497-69	133	14.48 0.09	1.08	2.19	0.58	-	-	-	-	-	-	-	-	1	-	2	-	3	31	58	31	6	1	-	-
02-EP-55	497-70	129	14.44 0.15	1.69	2.05	0.42	-	-	-	-	1	-	1	-	2	-	-	1	5	21	56	33	6	3	-	-



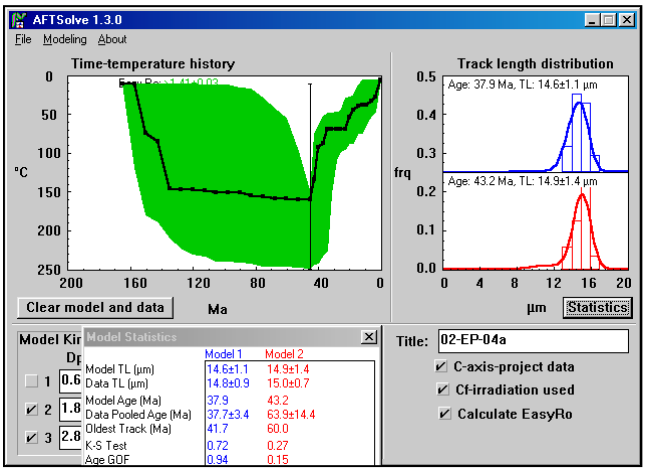


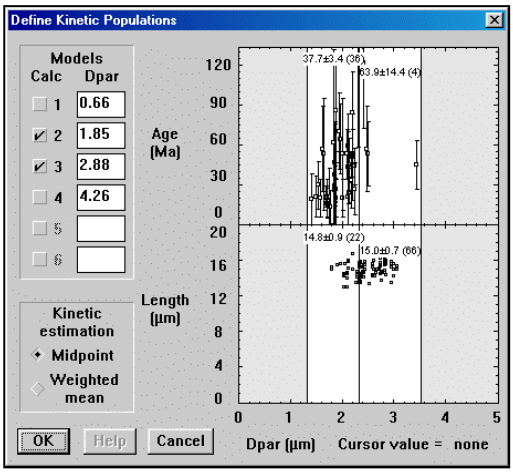
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-01
A2Z Sample Number	497-1
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	156 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.76: 44.3 ± 12.8 Ma;
	Dpar (µm) = 2.56: 45.4 ± 4.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.76: ≥44.3 ± 12.8 Ma;
	Dpar (µm) = 2.56: ≥45.4 ± 4.7 Ma
Details of recent cooling (since 35 Ma)	≥35°C
Peak burial Temperature (°C)	≥140°C
EasyRo (% reflectance)	1.11 ± 0.03%



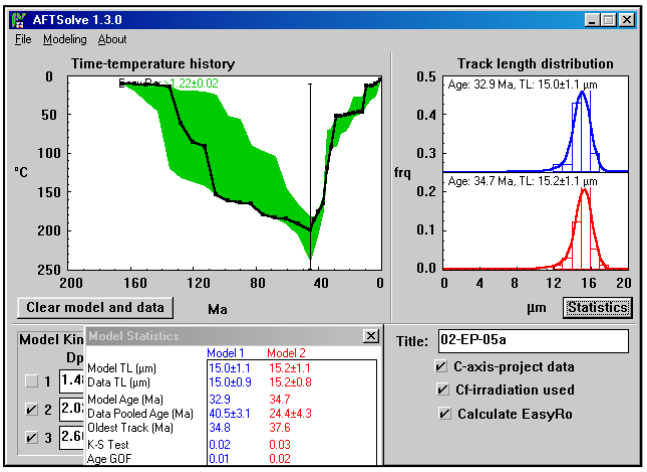


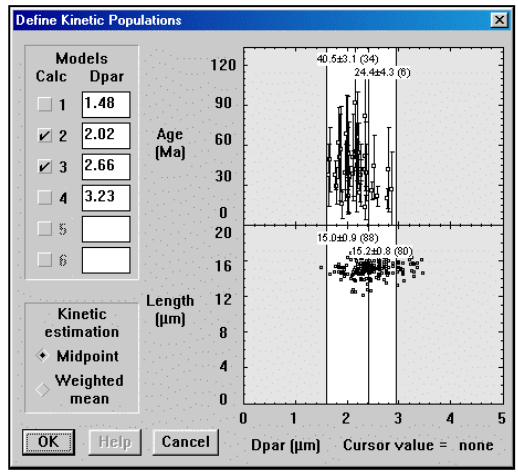
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-04a
A2Z Sample Number	497-2
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.85: 41.7 ± 3.8 Ma; Dpar (µm) = 2.88: 60.0 ± 13.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.85: ≥41.7 ± 3.8 Ma; Dpar (µm) = 2.88: ≥60.0 ± 13.5 Ma
Details of recent cooling (since 35 Ma)	≥45°C
Peak burial Temperature (°C)	≥152°C
EasyRo (% reflectance)	1.41 ± 0.03%



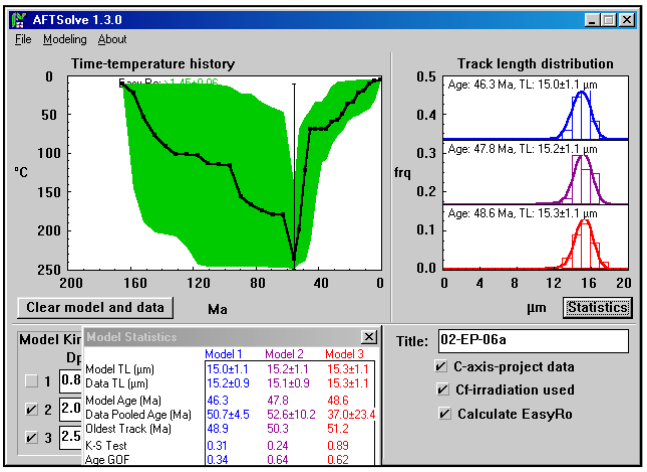


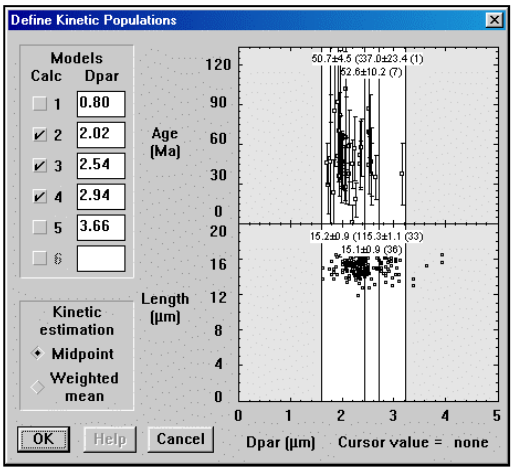
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-05a
A2Z Sample Number	497-3
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.02: 34.8 ± 2.7 Ma;
	Dpar (µm) = 2.66: 37.6 ± 6.6 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.02: ≥34.8 ± 2.7 Ma;
	Dpar (µm) = 2.66: ≥37.6 ± 6.6 Ma
Details of recent cooling (since 35 Ma)	≥65°C
Peak burial Temperature (°C)	≥182°C
EasyRo (% reflectance)	1.22 ± 0.02%



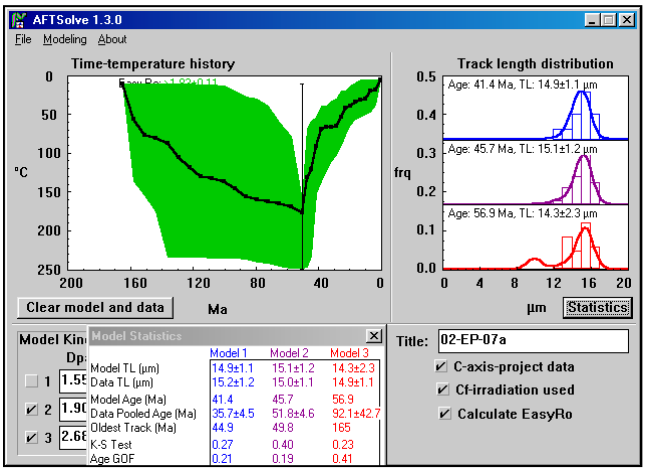


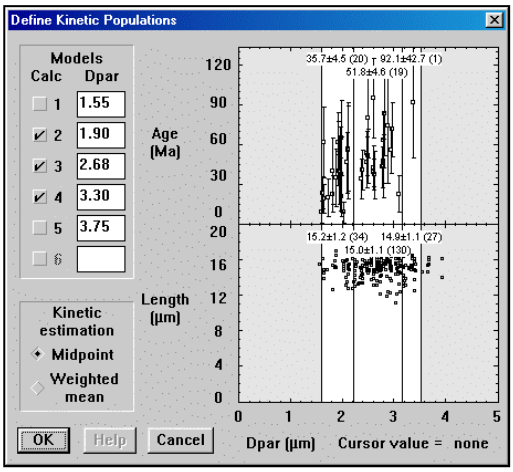
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-06a
A2Z Sample Number	497-4
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	55 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.02: 48.9 ± 4.3 Ma; Dpar (µm) = 2.54: 50.3 ± 9.8 Ma; Dpar (µm) = 2.94: 51.2 ± 32.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.02: ≥48.9 ± 4.3 Ma; Dpar (µm) = 2.54: ≥50.3 ± 9.8 Ma; Dpar (µm) = 2.94: ≥51.2 ± 32.4 Ma
Details of recent cooling (since 35 Ma)	≥20°C
Peak burial Temperature (°C)	≥148°C
EasyRo (% reflectance)	1.45 ± 0.06%



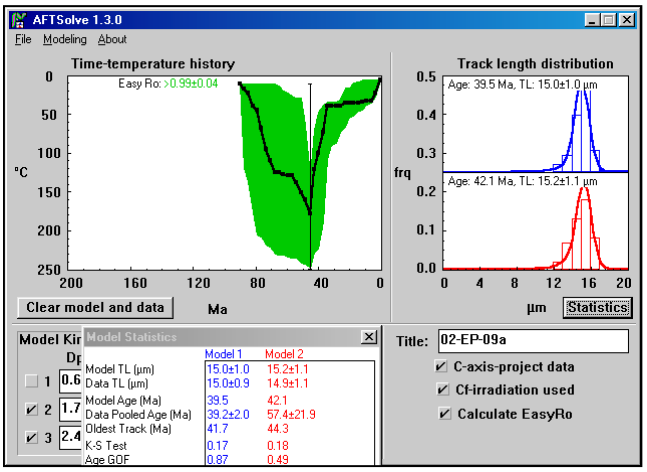


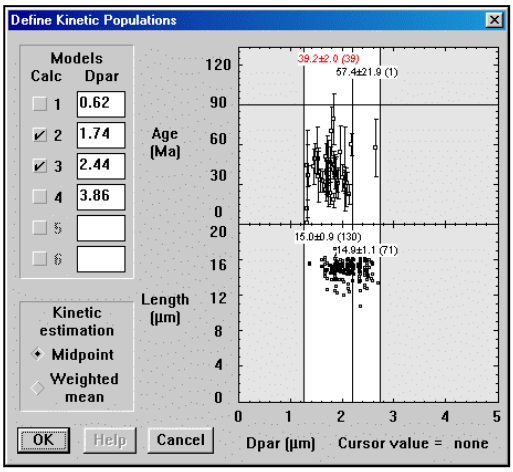
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-07a
A2Z Sample Number	497-5
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.90: 44.9 ± 5.7 Ma;
	Dpar (µm) = 2.68: 49.8 ± 4.4 Ma;
	Dpar (µm) = 3.30: 165 ± 76.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.90: ≥44.9 ± 5.7 Ma;
	Dpar (µm) = 2.68: ≥49.8 ± 4.4 Ma;
	Dpar (µm) = 3.30: ≥165 ± 76.5 Ma
Details of recent cooling (since 35 Ma)	≥35°C
Peak burial Temperature (°C)	≥162°C
EasyRo (% reflectance)	1.83 ± 0.11%



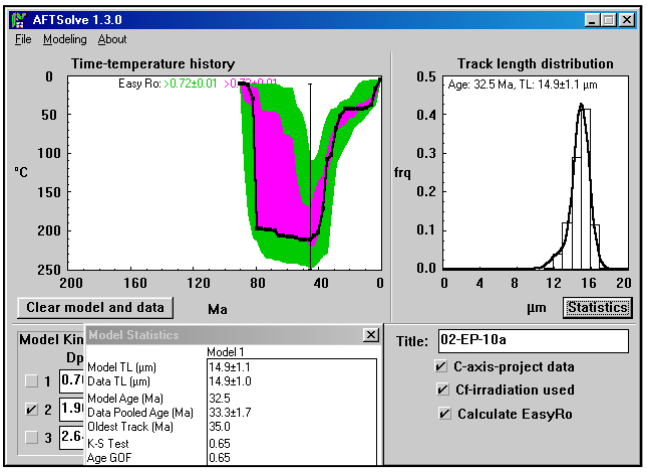


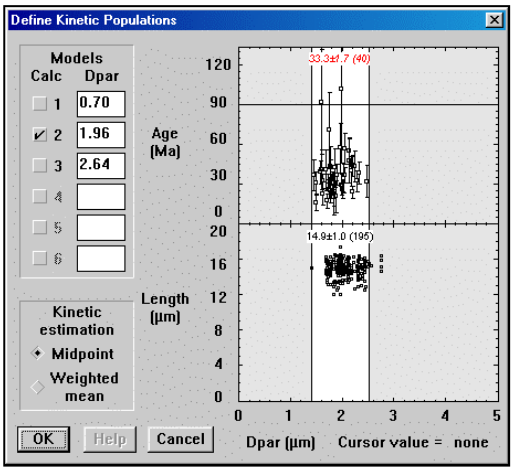
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-09a
A2Z Sample Number	497-7
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.74: 41.7 ± 2.1 Ma;
	Dpar (µm) = 2.44: 44.3 ± 16.9 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.74: ≥41.7 ± 2.1 Ma;
	Dpar (µm) = 2.44: ≥44.3 ± 16.9 Ma
Details of recent cooling (since 35 Ma)	≥35°C
Peak burial Temperature (°C)	≥130°C
EasyRo (% reflectance)	0.99 ± 0.04%



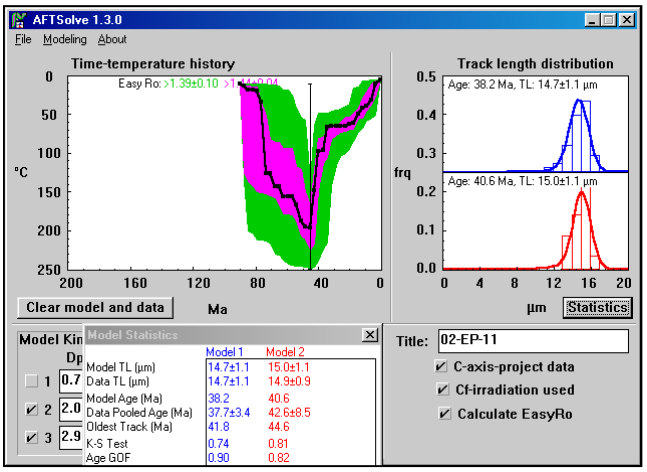


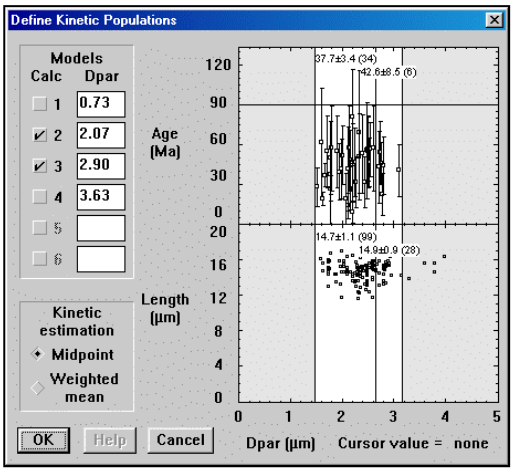
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-10a
A2Z Sample Number	497-8
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.96: 35.0 ± 1.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.96: ≥35.0 ± 1.8 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥110°C
EasyRo (% reflectance)	0.72 ± 0.01%



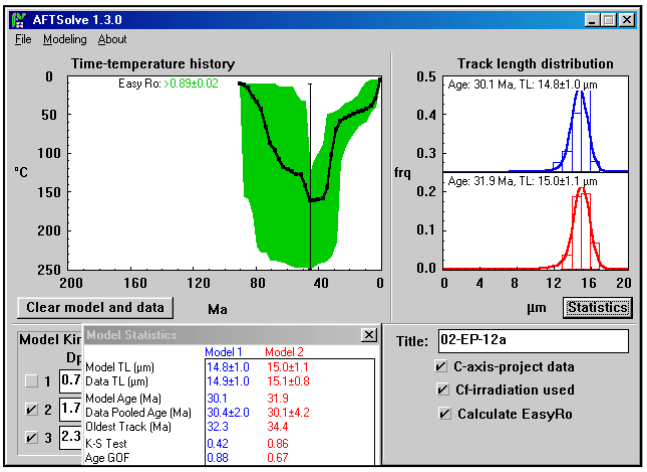


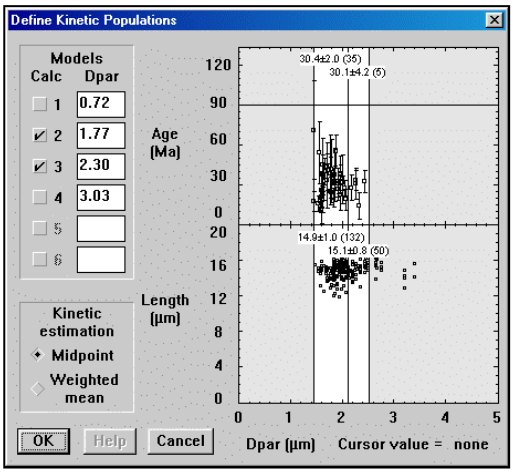
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-11
A2Z Sample Number	497-9
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.07: 41.8 ± 3.8 Ma;
	Dpar (µm) = 2.90: 44.6 ± 8.9 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.07: ≥41.8 ± 3.8 Ma;
	Dpar (µm) = 2.90: ≥44.6 ± 8.9 Ma
Details of recent cooling (since 35 Ma)	≥45°C
Peak burial Temperature (°C)	≥137°C
EasyRo (% reflectance)	1.39 ± 0.10%



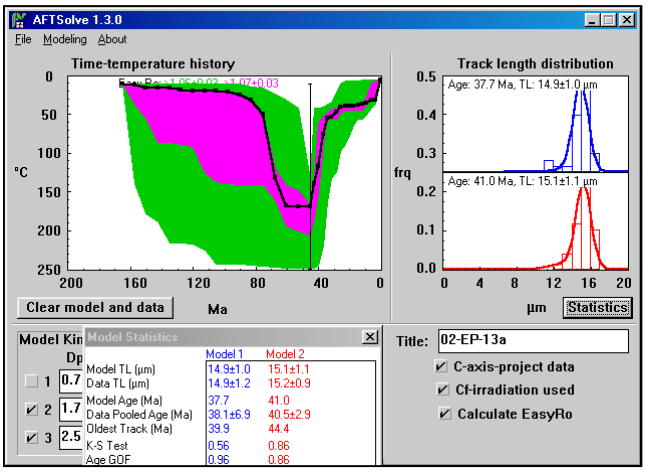


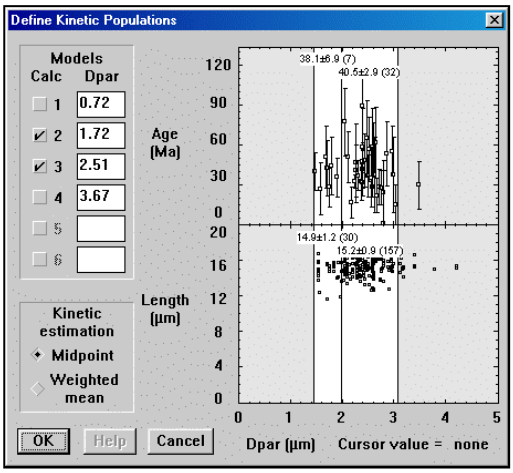
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-12a
A2Z Sample Number	497-10
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.77: 32.3 ± 2.1 Ma;
	Dpar (µm) = 2.30: 34.4 ± 4.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.77: ≥32.3 ± 2.1 Ma;
	Dpar (µm) = 2.30: ≥34.4 ± 4.8 Ma
Details of recent cooling (since 35 Ma)	≥85°C
Peak burial Temperature (°C)	≥126°C
EasyRo (% reflectance)	0.89 ± 0.02%



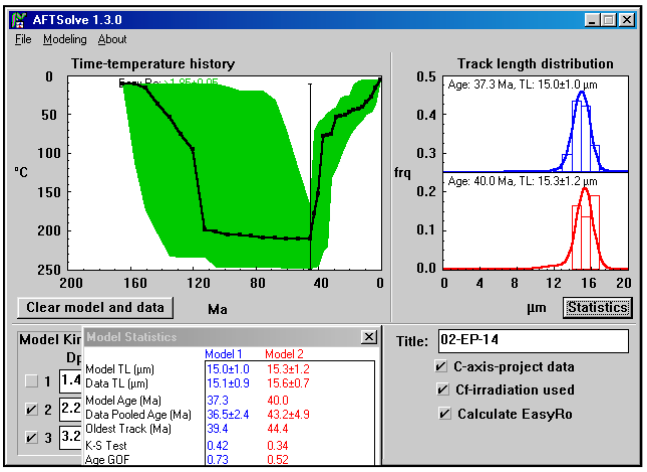


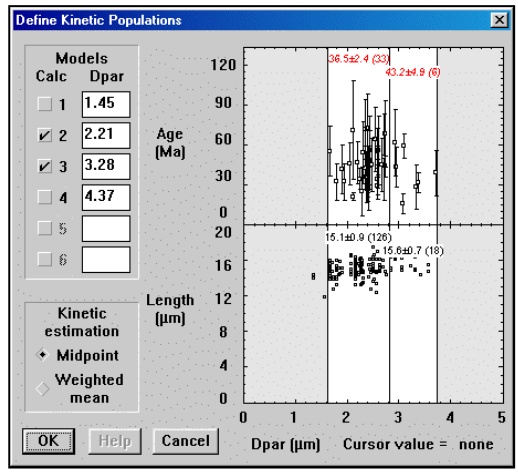
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-13a
A2Z Sample Number	497-11
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.72: 39.9 ± 7.2 Ma;
	Dpar (µm) = 2.51: 44.4 ± 3.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.72: ≥39.9 ± 7.2 Ma;
	Dpar (µm) = 2.51: ≥44.4 ± 3.2 Ma
Details of recent cooling (since 35 Ma)	≥35°C
Peak burial Temperature (°C)	≥135°C
EasyRo (% reflectance)	1.06 ± 0.03%



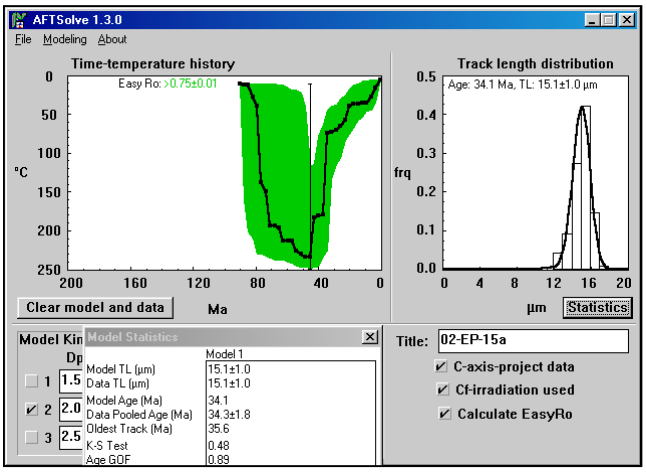


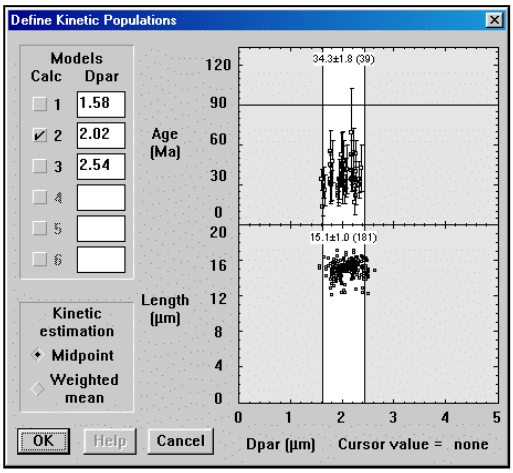
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-14
A2Z Sample Number	497-12
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.21: 39.4 ± 2.6 Ma;
	Dpar (µm) = 3.28: 44.4 ± 5.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.21: ≥39.4 ± 2.6 Ma;
	Dpar (µm) = 3.28: ≥44.4 ± 5.0 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	≥169°C
EasyRo (% reflectance)	1.85 ± 0.05%



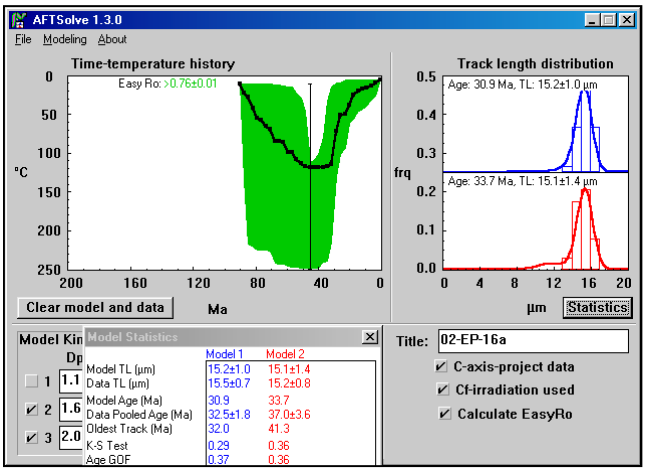


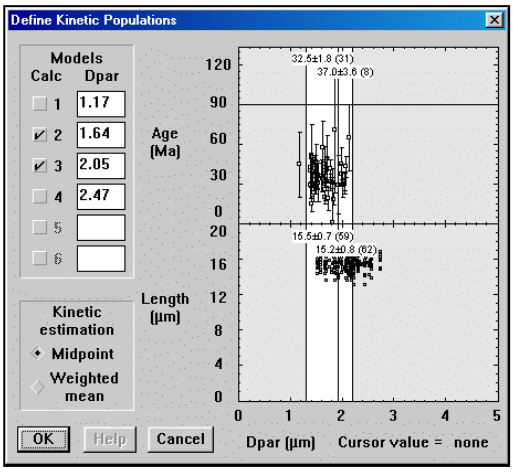
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-15a
A2Z Sample Number	497-13
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.02: 35.6 ± 1.9 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.02: ≥35.6 ± 1.9 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	≥117°C
EasyRo (% reflectance)	0.75 ± 0.01%



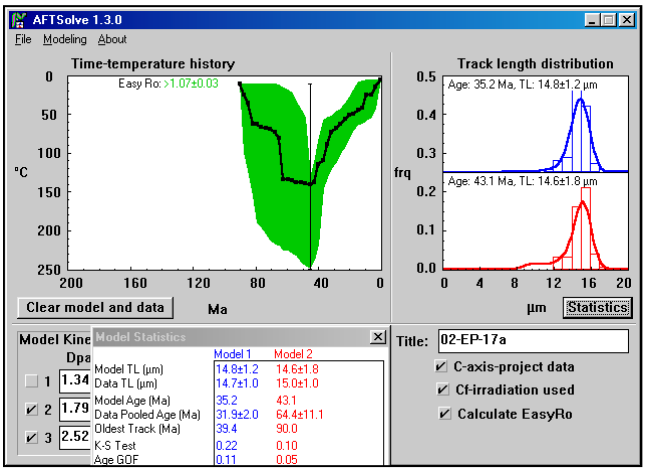


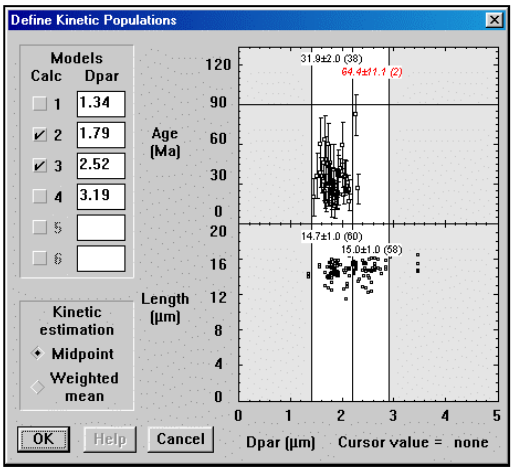
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-16a
A2Z Sample Number	497-71
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.64: 32.0 ± 1.8 Ma;
	Dpar (µm) = 2.05: 41.3 ± 4.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.64: ≥32.0 ± 1.8 Ma;
	Dpar (µm) = 2.05: ≥41.3 ± 4.0 Ma
Details of recent cooling (since 35 Ma)	≥76°C
Peak burial Temperature (°C)	≥112°C
EasyRo (% reflectance)	0.76 ± 0.01%



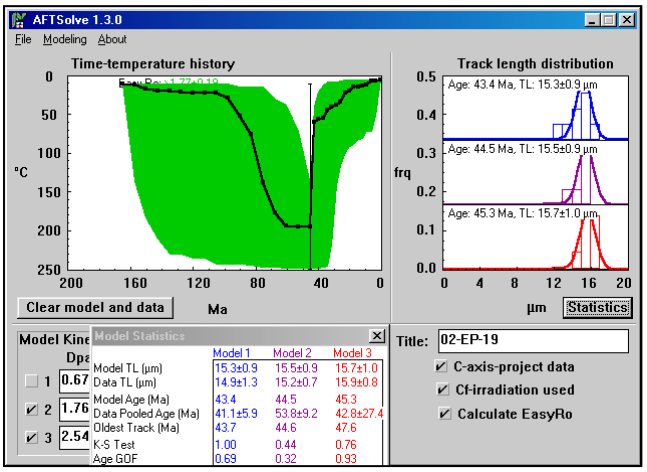


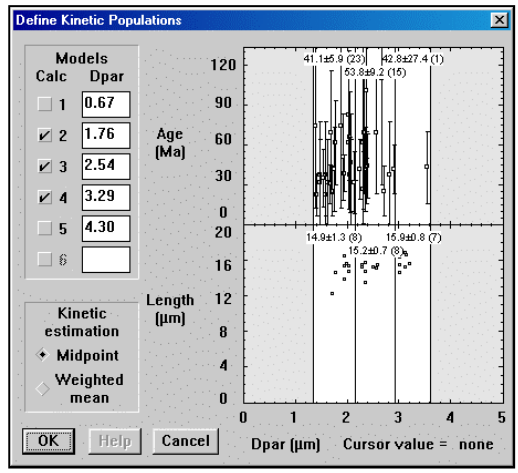
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-17a
A2Z Sample Number	497-14
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.79: 39.4 ± 2.5 Ma;
	Dpar (µm) = 2.52: 90.0 ± 15.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.79: ≥39.4 ± 2.5 Ma;
	Dpar (µm) = 2.52: ≥90.0 ± 15.5 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥133°C
EasyRo (% reflectance)	1.07 ± 0.03%



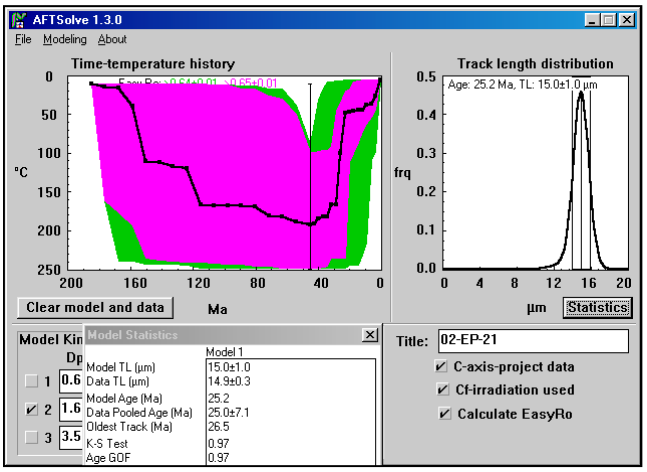


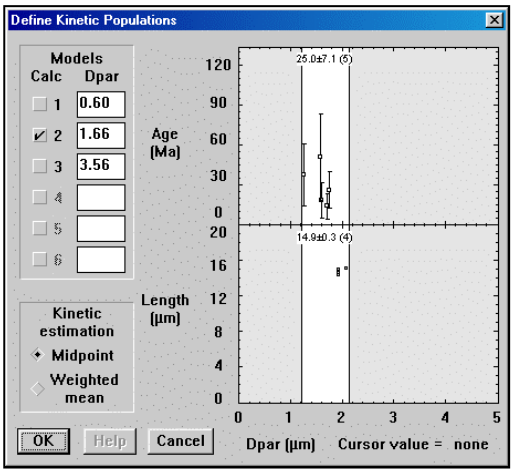
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-19
A2Z Sample Number	497-15
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.76: 43.7 ± 6.3 Ma; Dpar (µm) = 2.54: 44.6 ± 7.6 Ma; Dpar (µm) = 3.29: 47.6 ± 30.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.76: ≥43.7 ± 6.3 Ma; Dpar (µm) = 2.54: ≥44.6 ± 7.6 Ma; Dpar (µm) = 3.29: ≥47.6 ± 30.5 Ma
Details of recent cooling (since 35 Ma)	Poorly constrained
Peak burial Temperature (°C)	≥140°C
EasyRo (% reflectance)	1.77 ± 0.19%



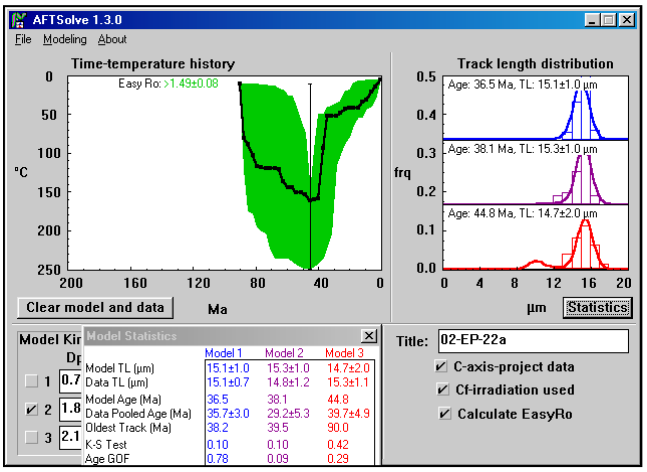


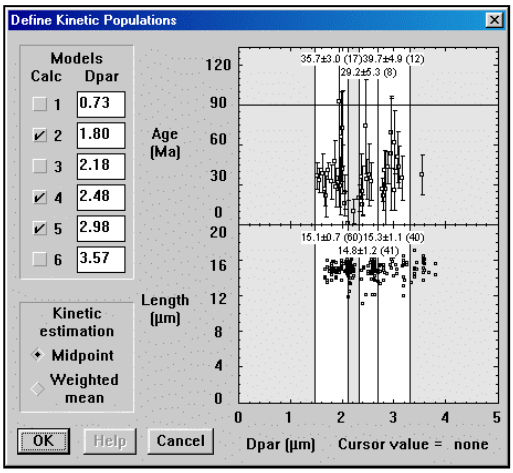
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-21
A2Z Sample Number	497-16
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	185 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.66: 26.5 ± 7.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.66: ≥26.5 ± 7.5 Ma
Details of recent cooling (since 35 Ma)	Poorly constrained
Peak burial Temperature (°C)	≥88°C
EasyRo (% reflectance)	0.64 ± 0.01%



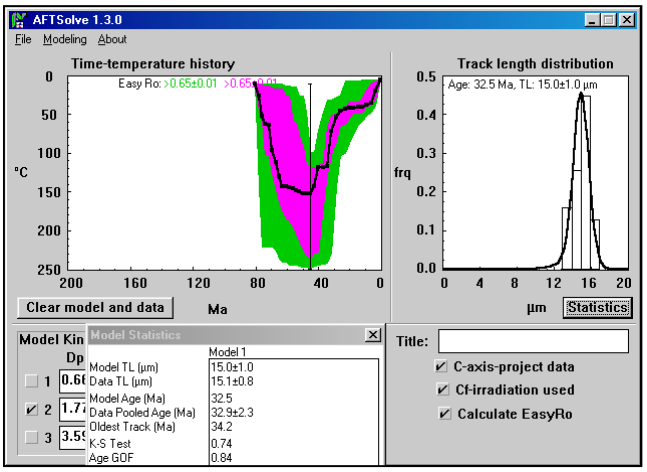


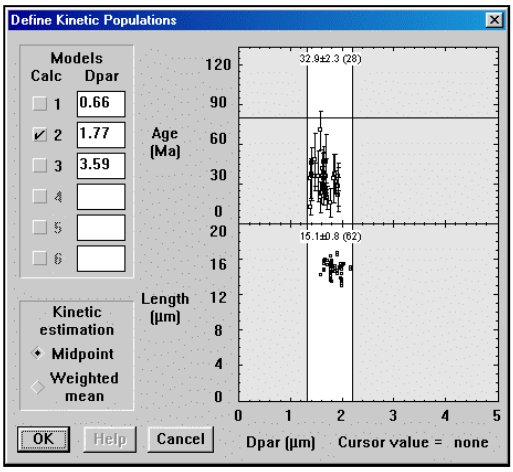
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-22a
A2Z Sample Number	497-17
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.80: 38.2 ± 3.2 Ma;
	Dpar (µm) = 2.48: 39.5 ± 7.2 Ma;
	Dpar (µm) = 2.98: 90.0 ± 11.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.80: ≥38.2 ± 3.2 Ma;
	Dpar (µm) = 2.48: ≥39.5 ± 7.2 Ma;
	Dpar (µm) = 2.98: ≥90.0 ± 11.1 Ma
Details of recent cooling (since 35 Ma)	≥45°C
Peak burial Temperature (°C)	≥152°C
EasyRo (% reflectance)	1.49 ± 0.08%



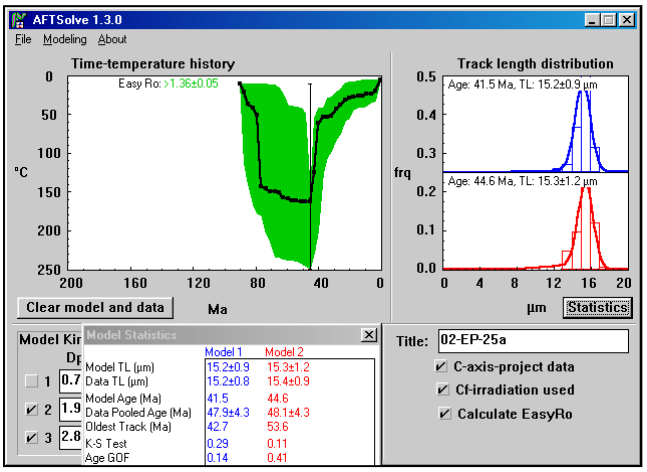


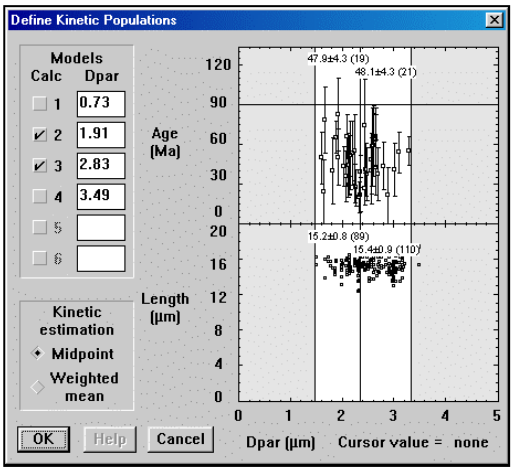
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-23a
A2Z Sample Number	497-18
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	80 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.77: 34.2 ± 2.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.77: ≥34.2 ± 2.4 Ma
Details of recent cooling (since 35 Ma)	≥45°C
Peak burial Temperature (°C)	≥99°C
EasyRo (% reflectance)	0.65 ± 0.01%



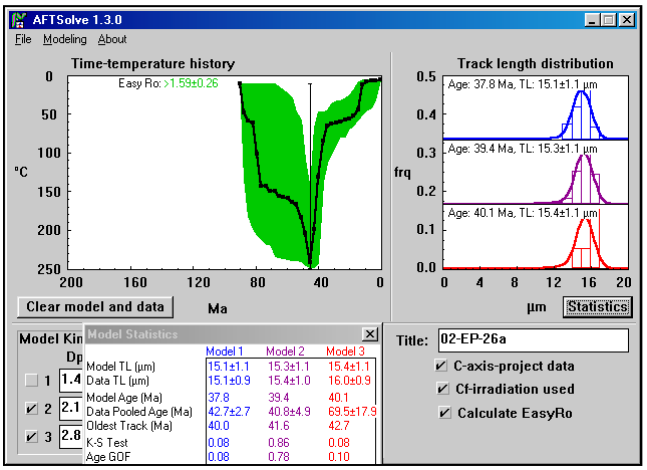


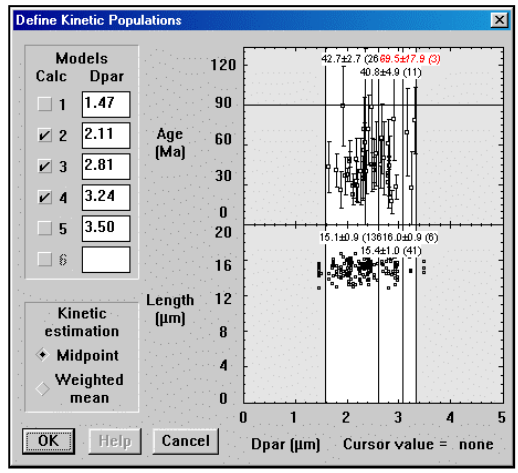
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-25a
A2Z Sample Number	497-19
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.91: 42.7 ± 3.8 Ma;
	Dpar (µm) = 2.83: 53.6 ± 4.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.91: ≥42.7 ± 3.8 Ma;
	Dpar (µm) = 2.83: ≥53.6 ± 4.8 Ma
Details of recent cooling (since 35 Ma)	≥40°C
Peak burial Temperature (°C)	≥153°C
EasyRo (% reflectance)	1.36 ± 0.05%



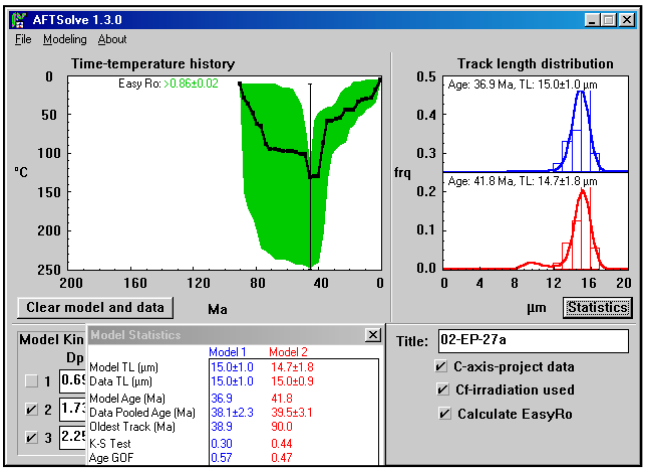


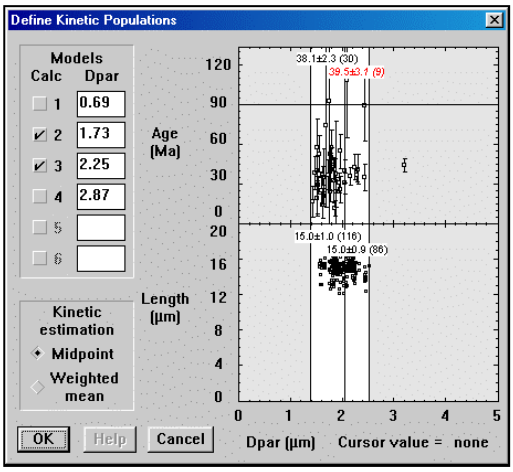
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-26a
A2Z Sample Number	497-20
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90a
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.11: 40.0 ± 2.5 Ma;
	Dpar (µm) = 2.81: 41.6 ± 5.0 Ma;
	Dpar (µm) = 3.24: 42.7 ± 11.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.11: ≥40.0 ± 2.5 Ma;
	Dpar (µm) = 2.81: ≥41.6 ± 5.0 Ma;
	Dpar (µm) = 3.24: ≥42.7 ± 11.0 Ma
Details of recent cooling (since 35 Ma)	≥45°C
Peak burial Temperature (°C)	≥146°C
EasyRo (% reflectance)	1.59 ± 0.26%



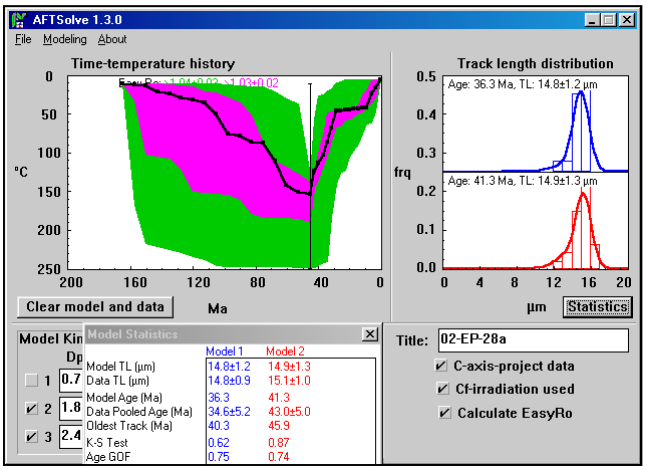


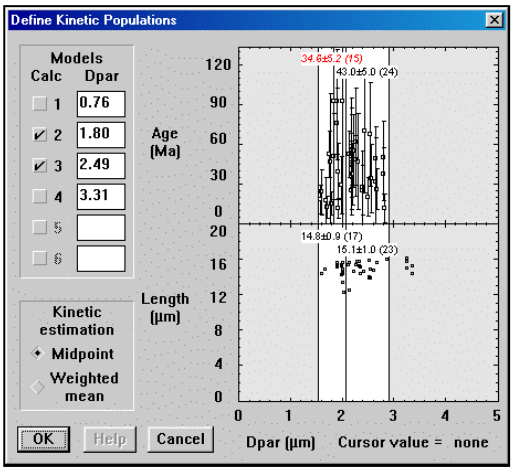
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-27a
A2Z Sample Number	497-21
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.73: 38.9 ± 2.3 Ma;
	Dpar (µm) = 2.25: 90.0 ± 7.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.73: ≥38.9 ± 2.3 Ma;
	Dpar (µm) = 2.25: ≥90.0 ± 7.1 Ma
Details of recent cooling (since 35 Ma)	≥40°C
Peak burial Temperature (°C)	≥121°C
EasyRo (% reflectance)	0.86 ± 0.02%



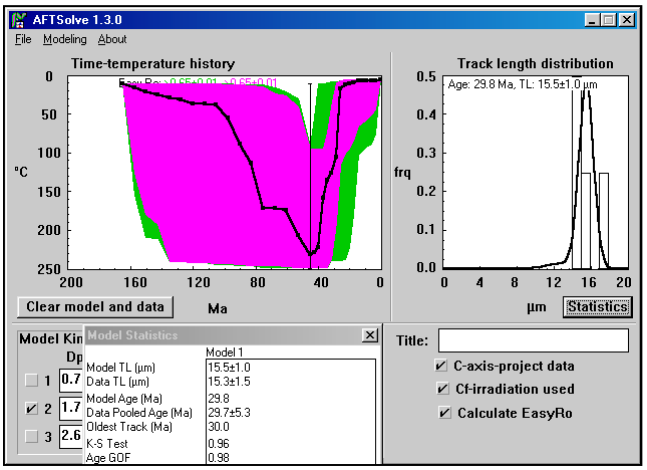


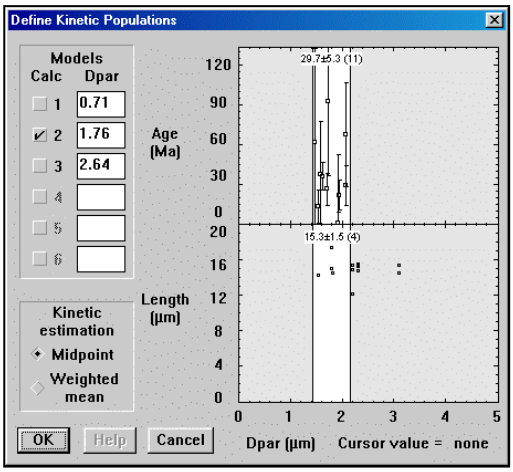
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-28a
A2Z Sample Number	497-22
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.80: 40.3 ± 6.1 Ma;
	Dpar (µm) = 2.49: 45.9 ± 5.3 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.80: ≥40.3 ± 6.1 Ma;
	Dpar (µm) = 2.49: ≥45.9 ± 5.3 Ma
Details of recent cooling (since 35 Ma)	Poorly constrained
Peak burial Temperature (°C)	≥129°C
EasyRo (% reflectance)	1.04 ± 0.03%



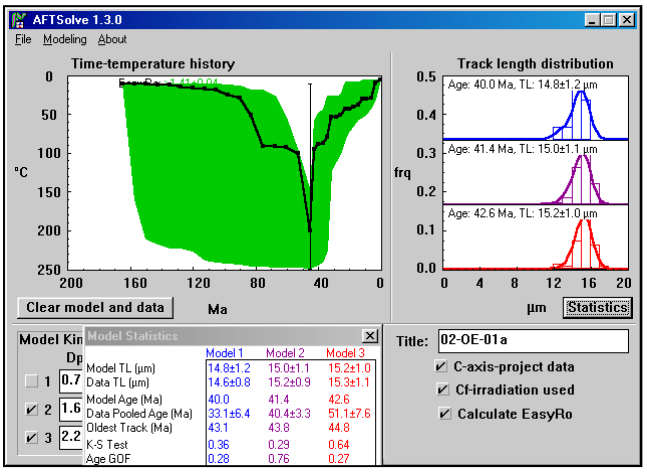


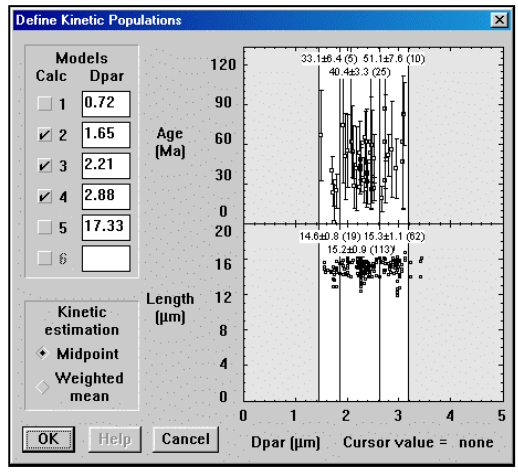
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-30a
A2Z Sample Number	497-23
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.76: 30.0 ± 5.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.76: ≥30.0 ± 5.4 Ma
Details of recent cooling (since 35 Ma)	Poorly constrained
Peak burial Temperature (°C)	≥91°C
EasyRo (% reflectance)	0.65 ± 0.01%



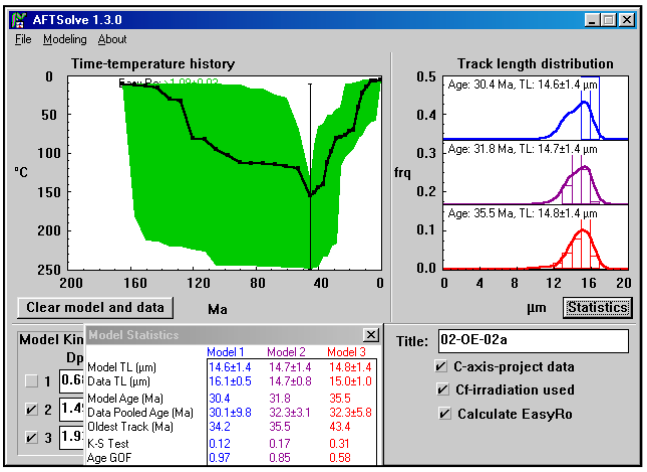


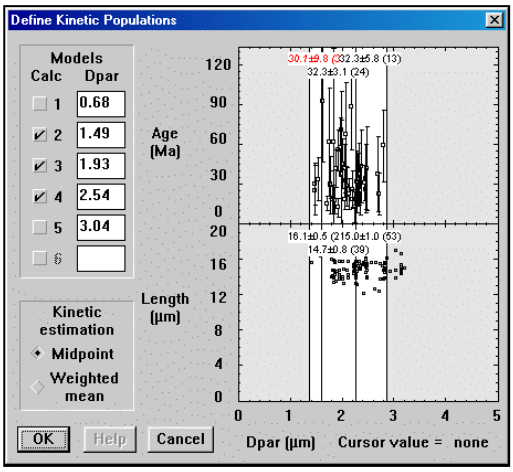
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-01a
A2Z Sample Number	497-24
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.65: 43.1 ± 8.3 Ma;
	Dpar (µm) = 2.21: 43.8 ± 3.6 Ma;
	Dpar (µm) = 2.88: 44.8 ± 6.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.65: ≥43.1 ± 8.3 Ma;
	Dpar (µm) = 2.21: ≥43.8 ± 3.6 Ma;
	Dpar (µm) = 2.88: ≥44.8 ± 6.7 Ma
Details of recent cooling (since 35 Ma)	≥40°C
Peak burial Temperature (°C)	≥149°C
EasyRo (% reflectance)	1.41 ± 0.04%



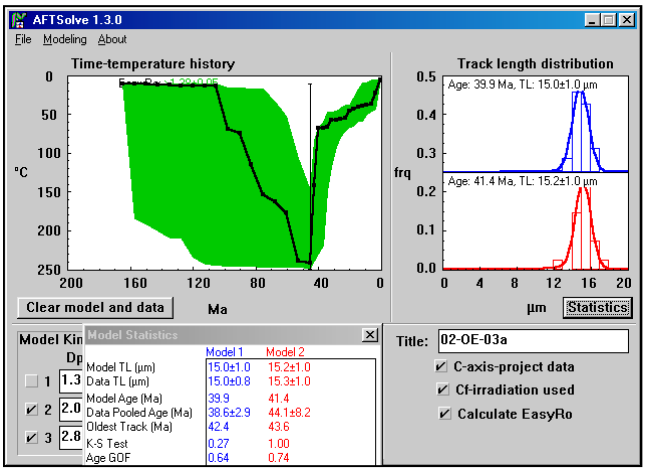


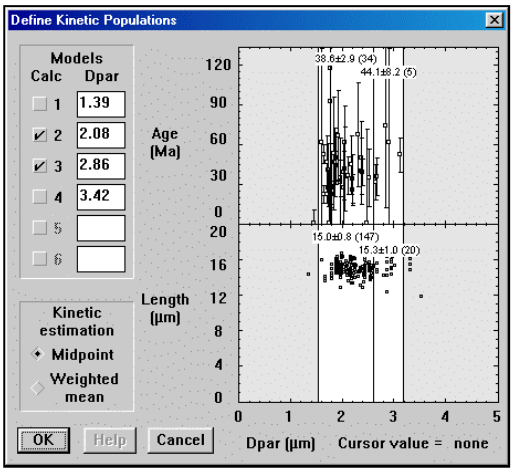
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-02a
A2Z Sample Number	497-25
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.49: 34.2 ± 11.1 Ma;
	Dpar (µm) = 1.93: 35.5 ± 3.4 Ma;
	Dpar (µm) = 2.88: 43.4 ± 7.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.49: ≥34.2 ± 11.1 Ma;
	Dpar (µm) = 1.93: ≥35.5 ± 3.4 Ma;
	Dpar (µm) = 2.88: ≥43.4 ± 7.8 Ma
Details of recent cooling (since 35 Ma)	≥60°C
Peak burial Temperature (°C)	≥136°C
EasyRo (% reflectance)	1.09 ± 0.03%



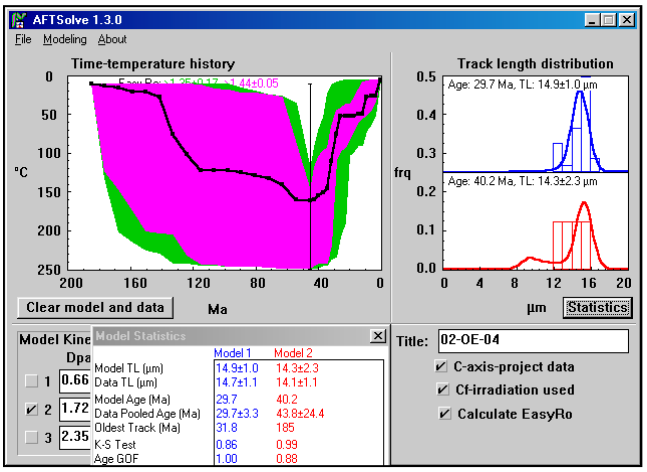


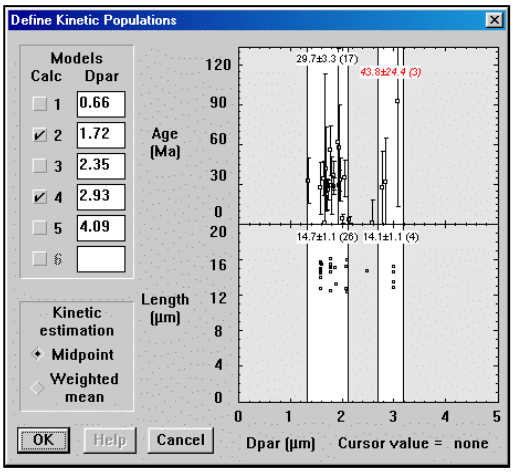
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-03a
A2Z Sample Number	497-26
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.08: 42.4 ± 3.2 Ma;
	Dpar (µm) = 2.88: 43.6 ± 8.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.08: ≥42.4 ± 3.2 Ma;
	Dpar (µm) = 2.88: ≥43.6 ± 8.1 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥148°C
EasyRo (% reflectance)	1.38 ± 0.05%



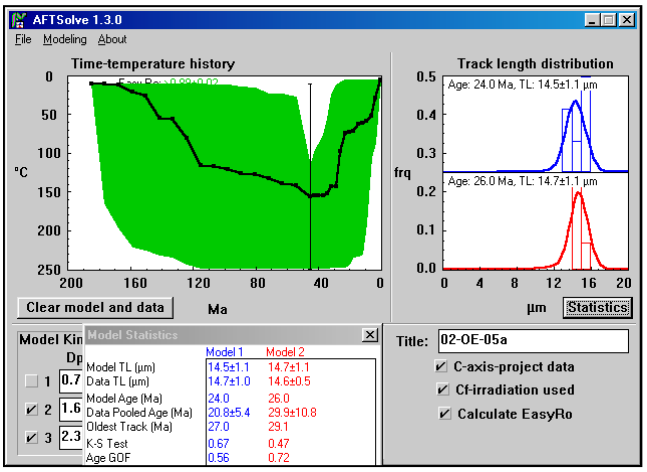


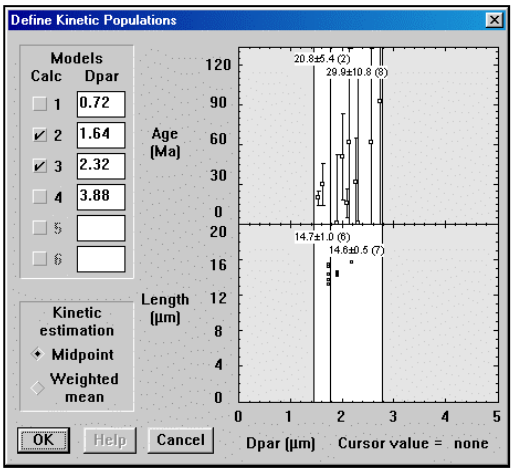
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-04
A2Z Sample Number	497-27
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	185 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.72: 31.8 ± 3.5 Ma;
	Dpar (µm) = 2.93: 185 ± 103.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.72: ≥31.8 ± 3.5 Ma;
	Dpar (µm) = 2.93: ≥185 ± 103.1 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥121°C
EasyRo (% reflectance)	1.35 ± 0.17%



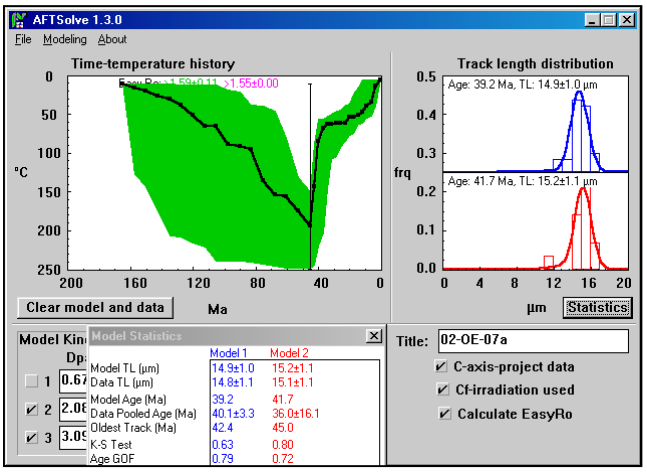


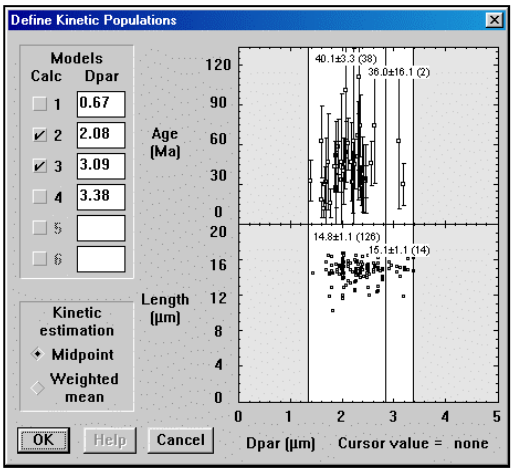
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-05a
A2Z Sample Number	497-28
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	185 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.64: 27.0 ± 7.0 Ma;
	Dpar (µm) = 2.32: 29.1 ± 10.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.64: ≥27.0 ± 7.0 Ma;
	Dpar (µm) = 2.32: ≥29.1 ± 10.5 Ma
Details of recent cooling (since 35 Ma)	≥70°C
Peak burial Temperature (°C)	≥117°C
EasyRo (% reflectance)	0.89 ± 0.02%



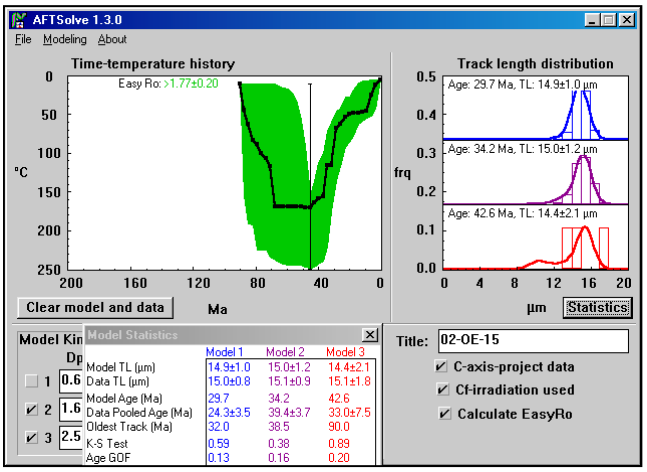


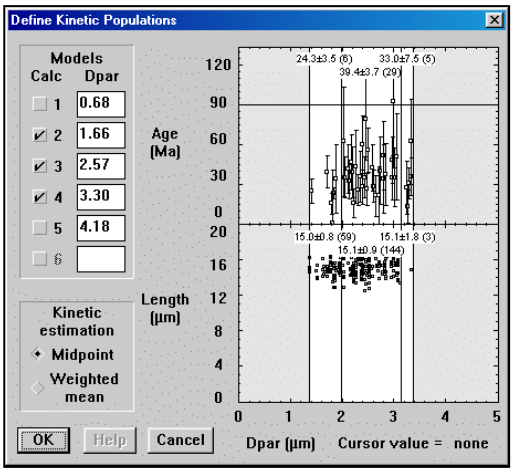
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-07a
A2Z Sample Number	497-29
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.08: 42.4 ± 3.5 Ma;
	Dpar (µm) = 3.09: 45.0 ± 20.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.08: ≥42.4 ± 3.5 Ma;
	Dpar (µm) = 3.09: ≥45.0 ± 20.1 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	≥150°C
EasyRo (% reflectance)	1.59 ± 0.11%



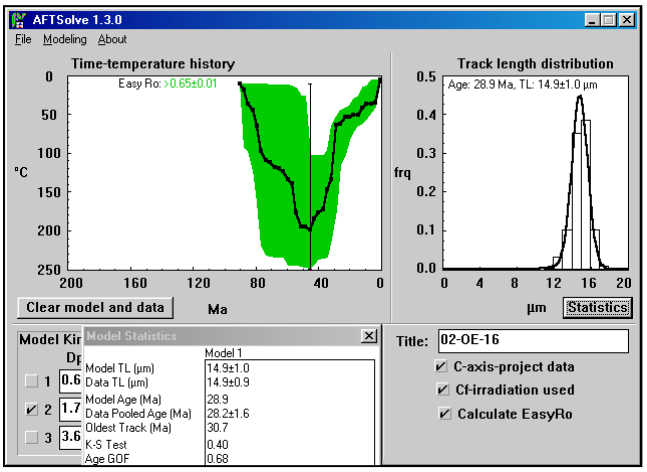


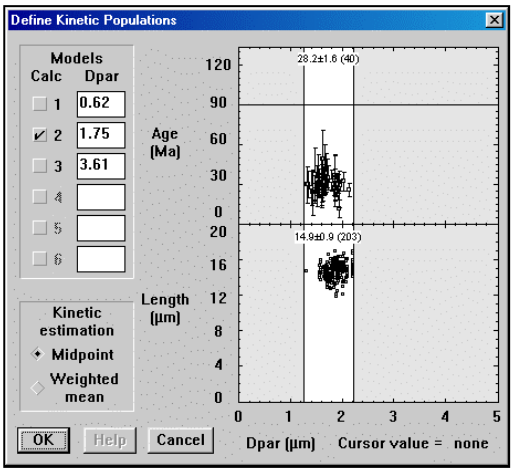
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-15
A2Z Sample Number	497-30
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.66: 32.0 ± 4.6 Ma;
	Dpar (µm) = 2.57: 38.5 ± 3.6 Ma;
	Dpar (µm) = 3.30: 90.0 ± 20.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.66: ≥32.0 ± 4.6 Ma;
	Dpar (µm) = 2.57: ≥38.5 ± 3.6 Ma;
	Dpar (µm) = 3.30: ≥90.0 ± 20.5 Ma
Details of recent cooling (since 35 Ma)	≥85°C
Peak burial Temperature (°C)	≥154°C
EasyRo (% reflectance)	1.77 ± 0.20%



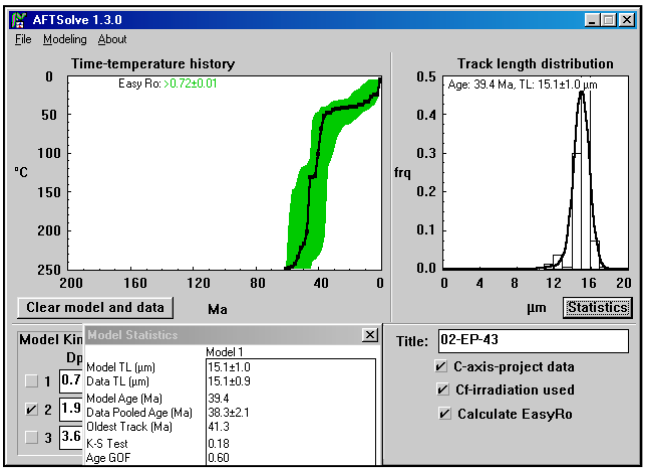


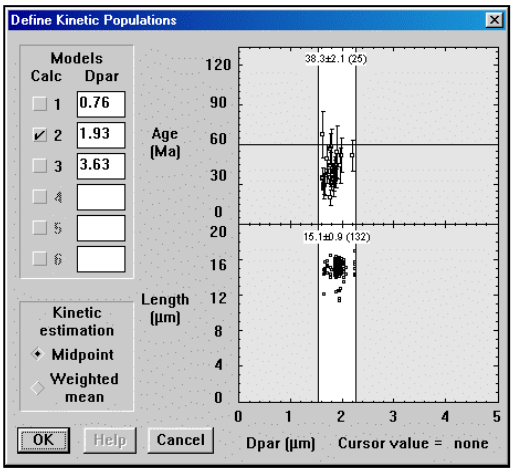
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-16
A2Z Sample Number	497-31
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	90 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.75: 30.7 ± 1.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.75: ≥30.7 ± 1.7 Ma
Details of recent cooling (since 35 Ma)	≥95°C
Peak burial Temperature (°C)	≥103°C
EasyRo (% reflectance)	0.65 ± 0.01%



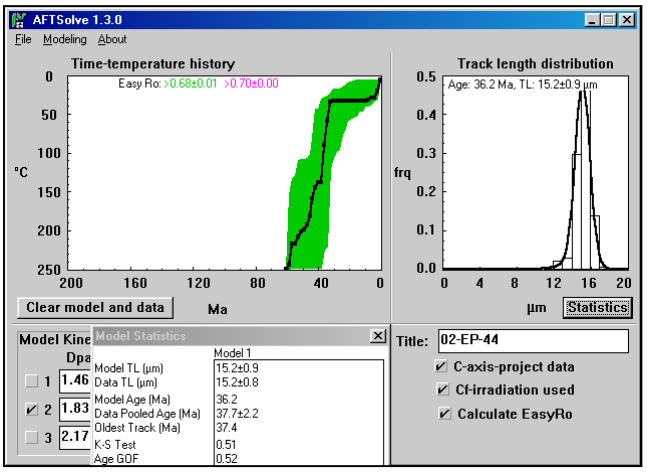


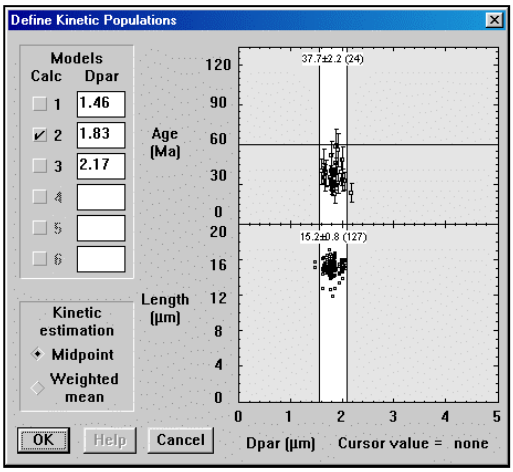
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-43
A2Z Sample Number	497-32
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.93: 41.3 ± 2.3 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.93: ≥41.3 ± 2.3 Ma
Details of recent cooling (since 35 Ma)	≥40°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



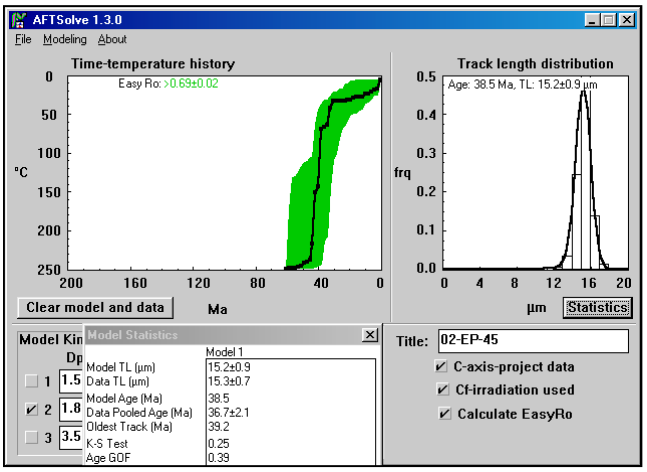


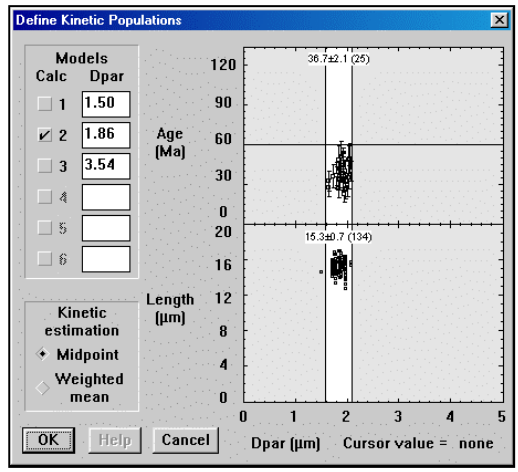
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-44
A2Z Sample Number	497-33
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.83: 37.4 ± 2.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.83: ≥37.4 ± 2.2 Ma
Details of recent cooling (since 35 Ma)	≥20°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



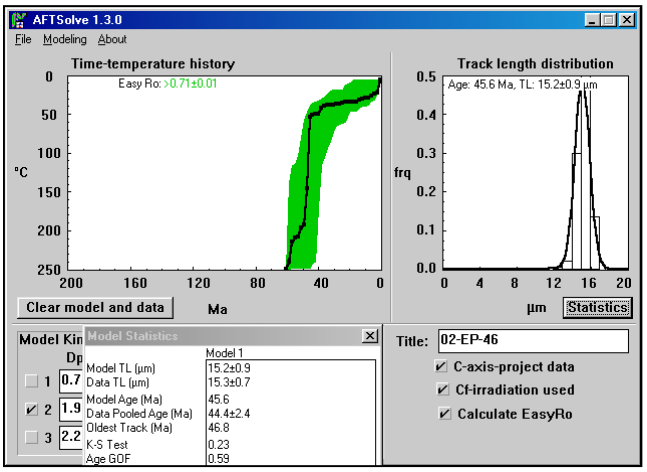


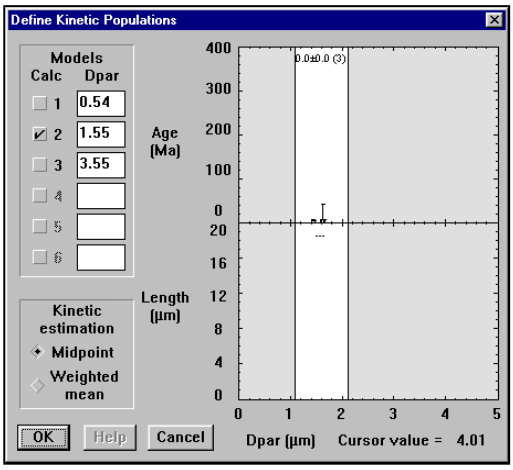
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-45
A2Z Sample Number	497-34
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.86: 39.2 ± 2.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.86: ≥39.2 ± 2.2 Ma
Details of recent cooling (since 35 Ma)	≥31°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



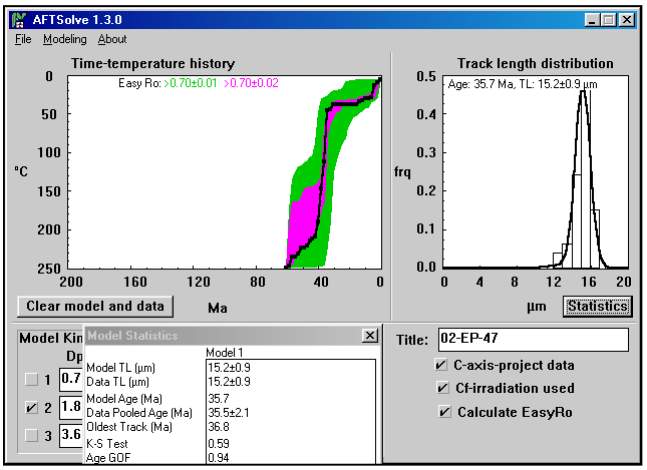


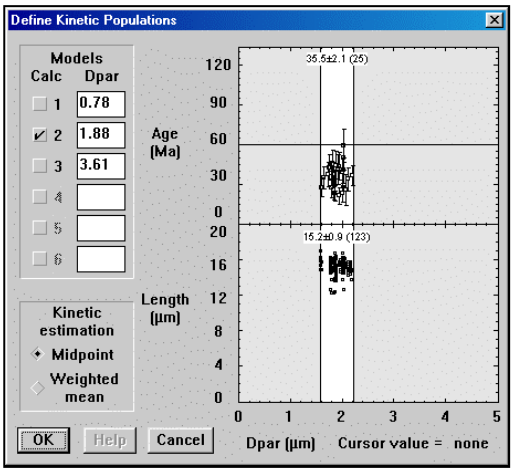
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-46
A2Z Sample Number	497-35
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.90: 46.8 ± 2.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.90: ≥46.8 ± 2.5 Ma
Details of recent cooling (since 35 Ma)	≥27°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



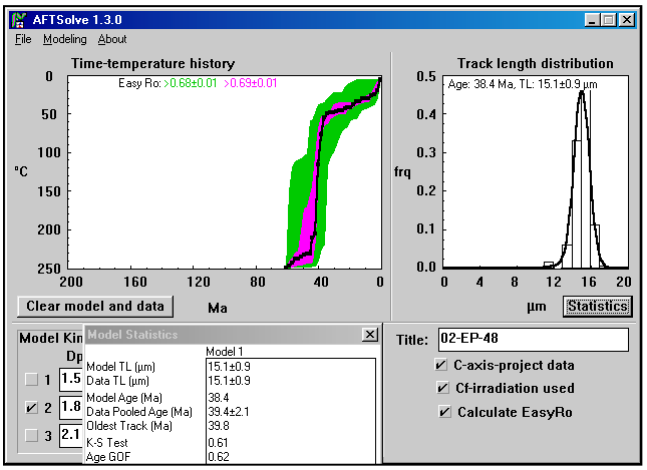


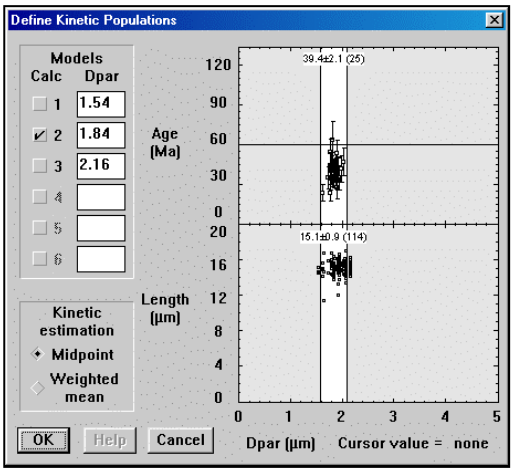
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-47
A2Z Sample Number	497-36
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.88: 36.8 ± 2.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.88: ≥36.8 ± 2.2 Ma
Details of recent cooling (since 35 Ma)	≥29°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



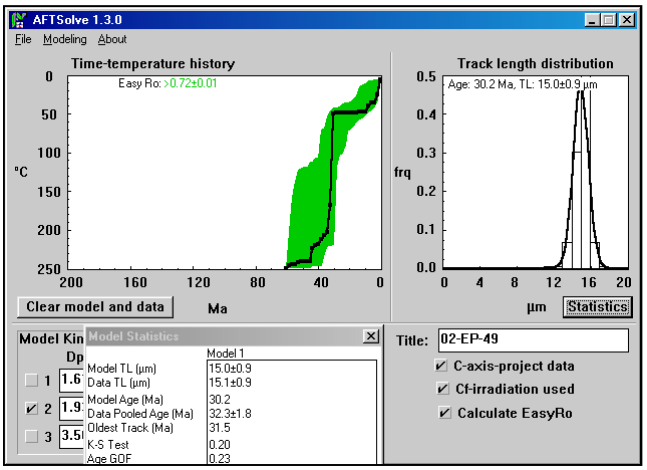


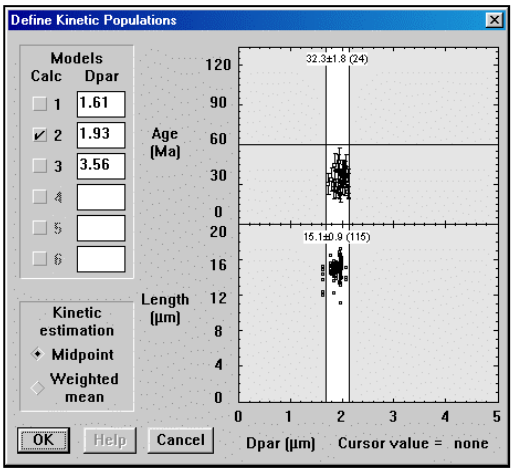
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-48
A2Z Sample Number	497-37
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.84: 39.8 ± 2.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.84: ≥39.8 ± 2.1 Ma
Details of recent cooling (since 35 Ma)	≥34°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



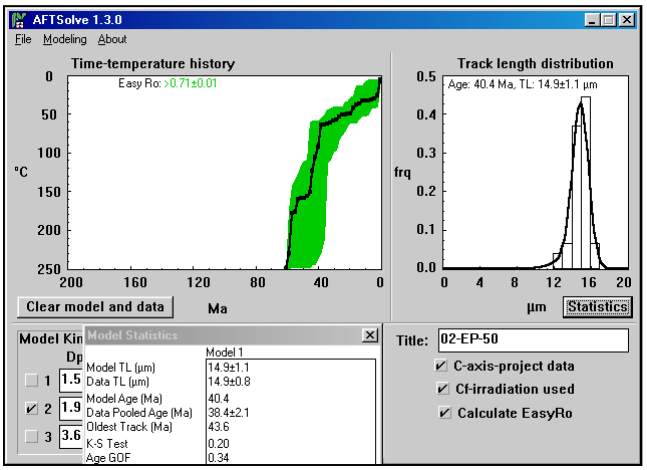


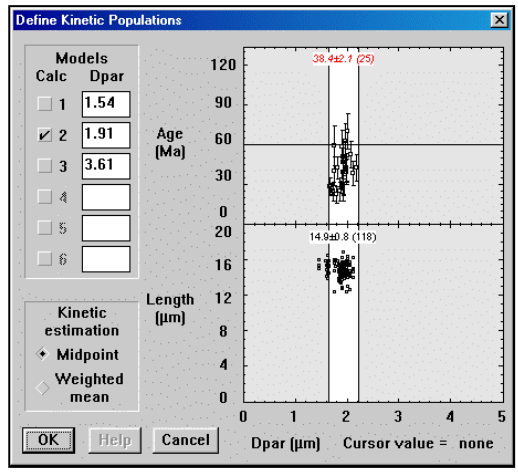
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-49
A2Z Sample Number	497-38
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.93: 31.5 ± 1.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.93: ≥31.5 ± 1.8 Ma
Details of recent cooling (since 35 Ma)	≥68°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



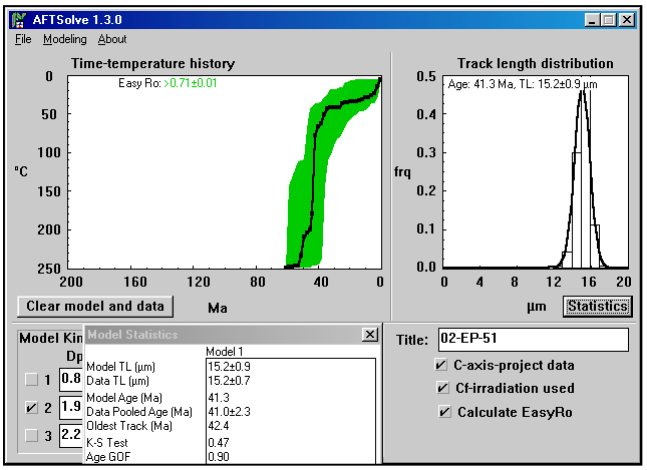


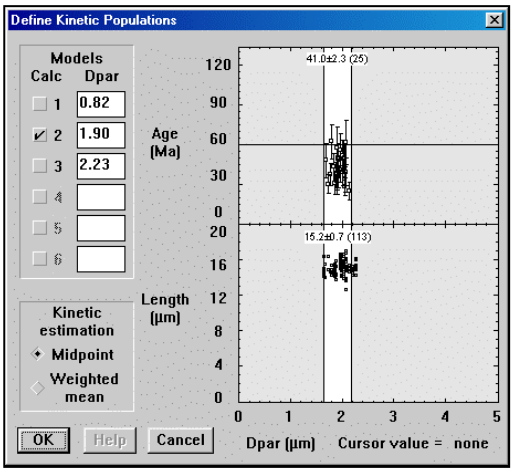
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-50
A2Z Sample Number	497-39
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.91: 43.6 ± 2.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.91: ≥43.6 ± 2.4 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



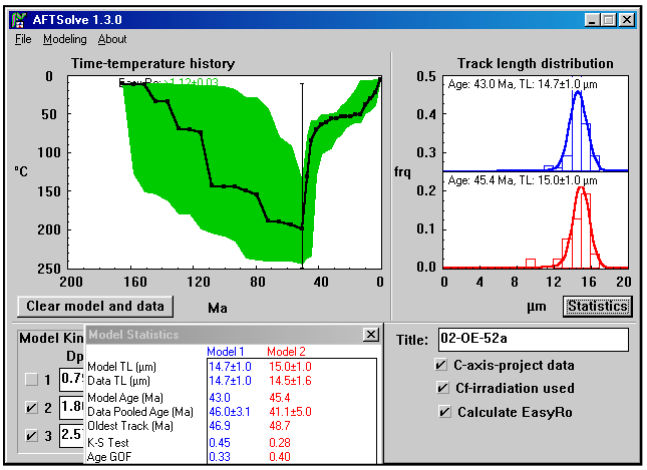


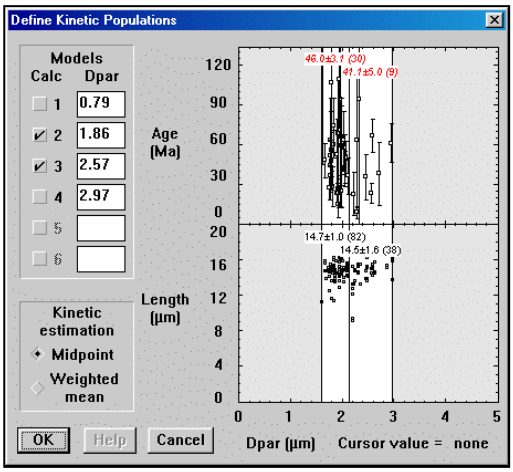
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-51
A2Z Sample Number	497-40
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	60 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.90: 42.4 ± 2.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.90: ≥42.4 ± 2.4 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable



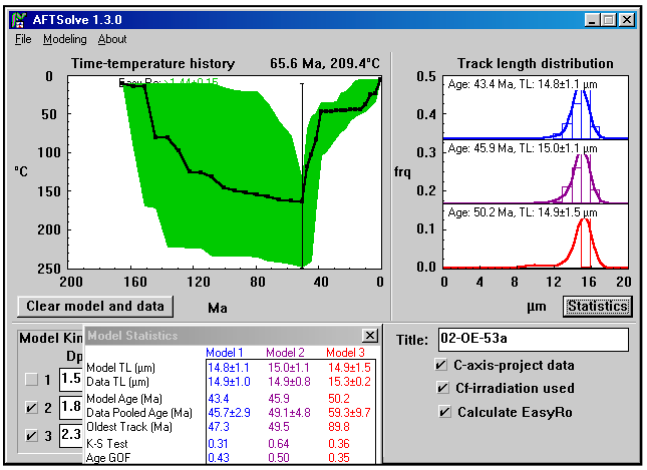


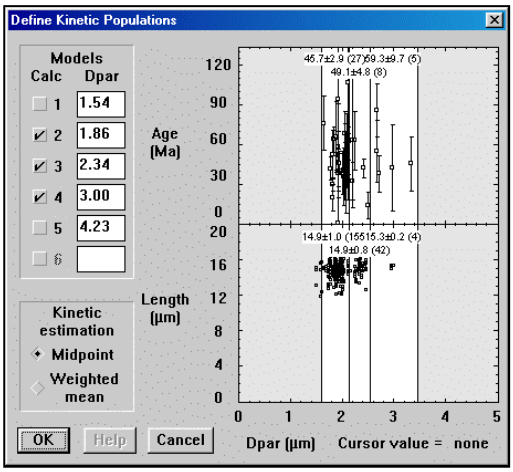
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-52a
A2Z Sample Number	497-41
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.86: 46.9 ± 3.2 Ma;
	Dpar (µm) = 2.57: 48.7 ± 5.9 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.86: ≥46.9 ± 3.2 Ma;
	Dpar (µm) = 2.57: ≥48.7 ± 5.9 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	≥137°C
EasyRo (% reflectance)	1.12 ± 0.03%



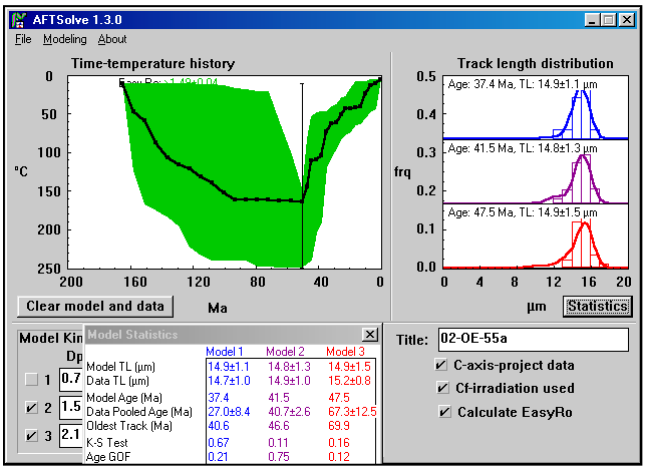


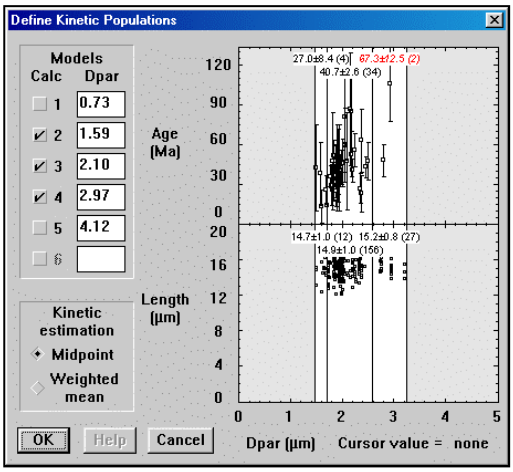
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-53a
A2Z Sample Number	497-42
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.86: 47.3 ± 3.0 Ma;
	Dpar (µm) = 2.34: 49.5 ± 4.8 Ma;
	Dpar (µm) = 3.00: 89.8 ± 14.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.86: ≥47.3 ± 3.0 Ma;
	Dpar (µm) = 2.34: ≥49.5 ± 4.8 Ma;
	Dpar (µm) = 3.00: ≥89.8 ± 14.7 Ma
Details of recent cooling (since 35 Ma)	≥35°C
Peak burial Temperature (°C)	≥136°C
EasyRo (% reflectance)	1.44 ± 0.15%



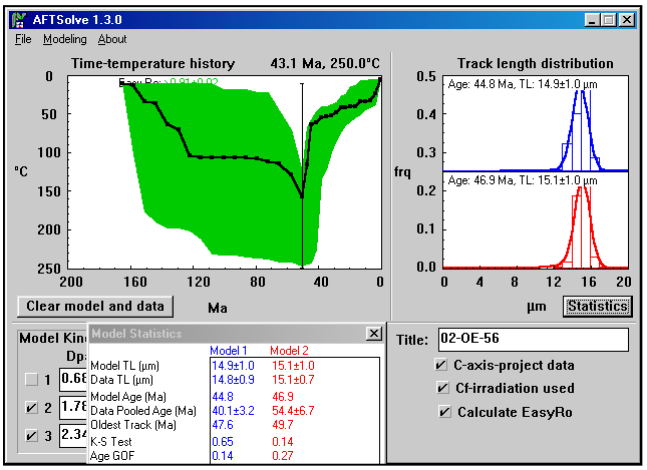


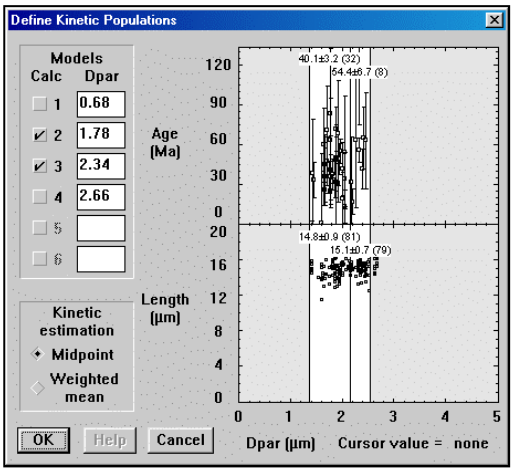
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-55a
A2Z Sample Number	497-43
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.59: 40.6 ± 12.6 Ma; Dpar (µm) = 2.10: 46.6 ± 3.0 Ma; Dpar (µm) = 2.97: 69.9 ± 13.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.59: ≥40.6 ± 12.6 Ma; Dpar (µm) = 2.10: ≥46.6 ± 3.0 Ma; Dpar (µm) = 2.97: ≥69.9 ± 13.0 Ma
Details of recent cooling (since 35 Ma)	≥46°C
Peak burial Temperature (°C)	≥149°C
EasyRo (% reflectance)	1.49 ± 0.04%



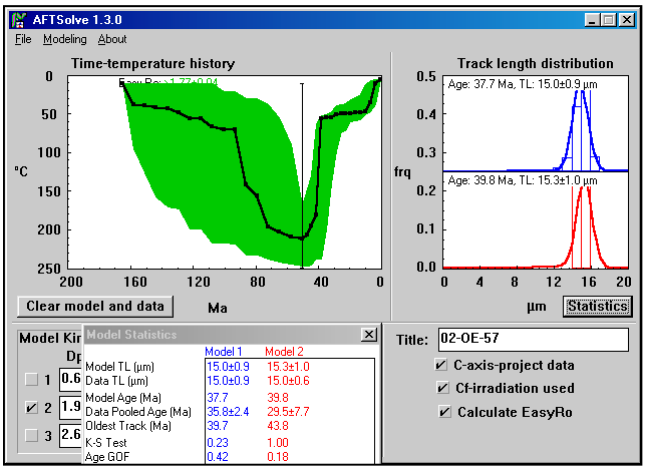


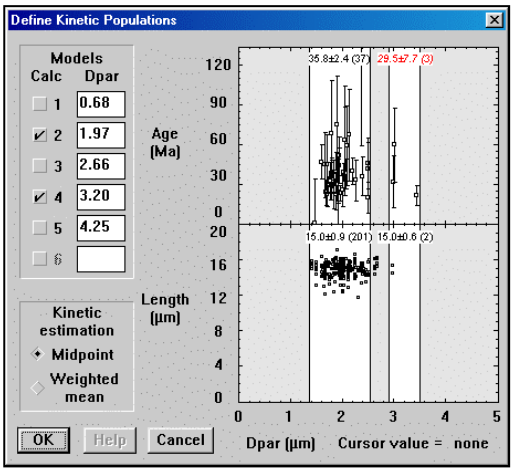
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-56
A2Z Sample Number	497-44
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.78: 47.6 ± 3.8 Ma;
	Dpar (µm) = 2.34: 49.7 ± 6.1 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.78: ≥47.6 ± 3.8 Ma;
	Dpar (µm) = 2.34: ≥49.7 ± 6.1 Ma
Details of recent cooling (since 35 Ma)	≥39°C
Peak burial Temperature (°C)	≥125°C
EasyRo (% reflectance)	0.91 ± 0.02%



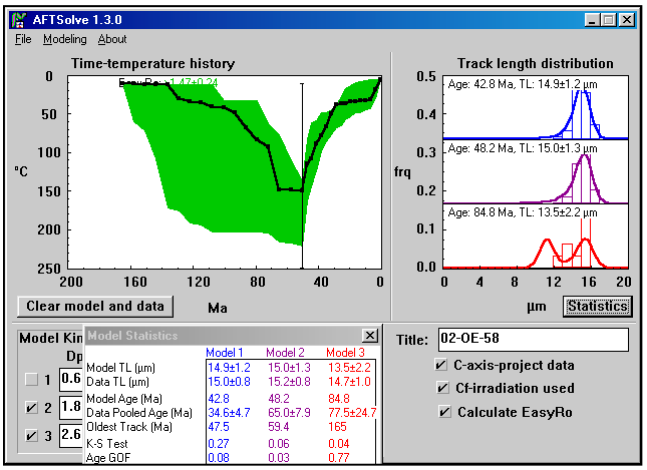


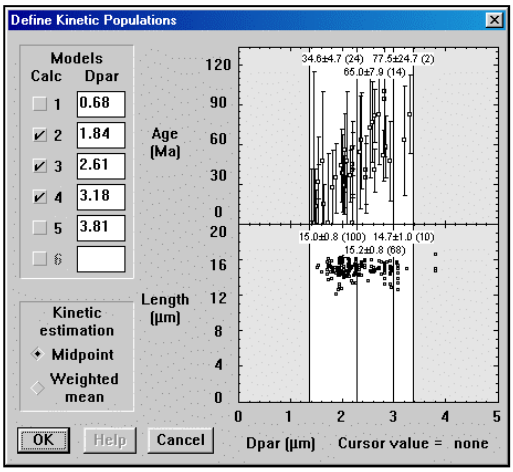
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-57
A2Z Sample Number	497-45
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.97: 39.7 ± 2.7 Ma;
	Dpar (µm) = 3.20: 43.8 ± 11.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.97: ≥39.7 ± 2.7 Ma;
	Dpar (µm) = 3.20: ≥43.8 ± 11.4 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	≥170°C
EasyRo (% reflectance)	1.77 ± 0.04%



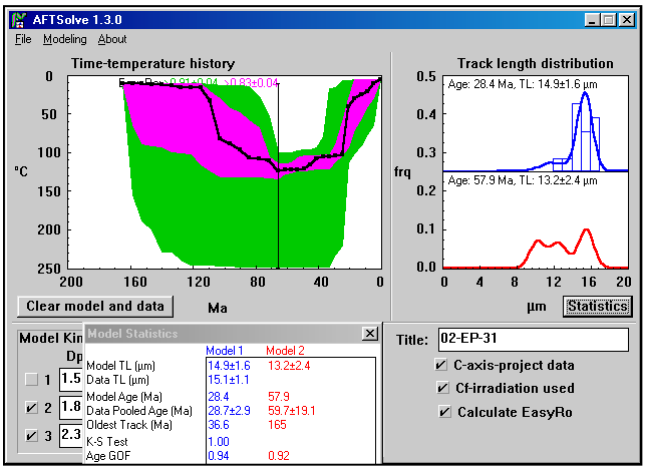


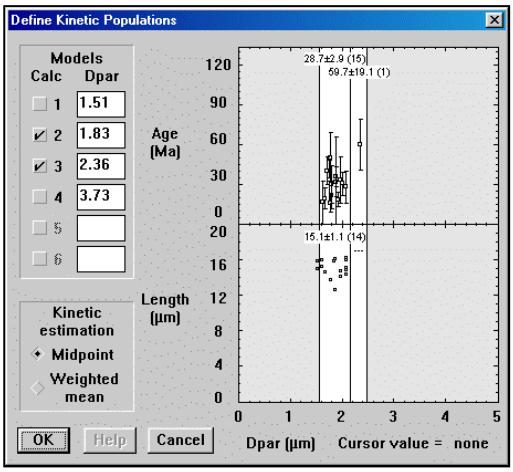
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-58
A2Z Sample Number	497-46
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	50 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.84: 47.5 ± 6.5 Ma;
	Dpar (µm) = 2.61: 59.4 ± 7.2 Ma;
	Dpar (µm) = 3.18: 165 ± 52.6 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.84: ≥47.5 ± 6.5 Ma;
	Dpar (µm) = 2.61: ≥59.4 ± 7.2 Ma;
	Dpar (µm) = 3.18: ≥165 ± 52.6 Ma
Details of recent cooling (since 35 Ma)	≥47°C
Peak burial Temperature (°C)	≥137°C
EasyRo (% reflectance)	1.47 ± 0.24%



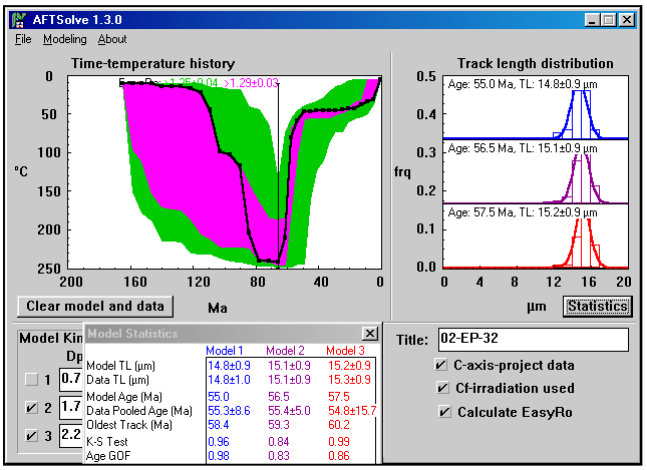


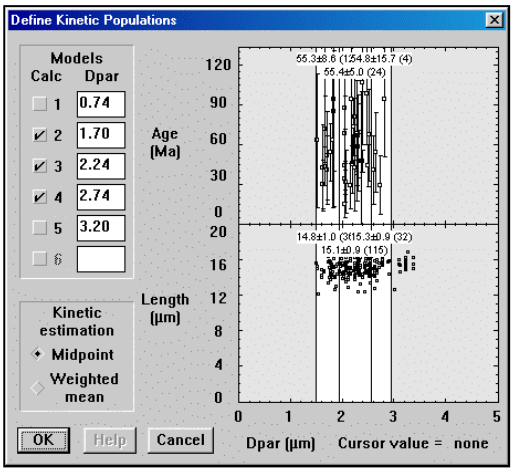
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-31
A2Z Sample Number	497-47
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.83: 36.6 ± 3.7 Ma;
	Dpar (µm) = 2.36: 165 ± 52.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.83: ≥36.6 ± 3.7 Ma;
	Dpar (µm) = 2.36: ≥165 ± 52.8 Ma
Details of recent cooling (since 35 Ma)	≥74°C
Peak burial Temperature (°C)	≥113°C
EasyRo (% reflectance)	0.91 ± 0.04%



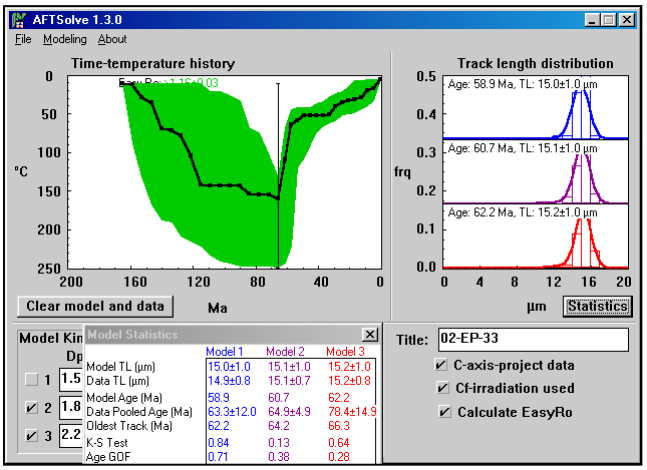


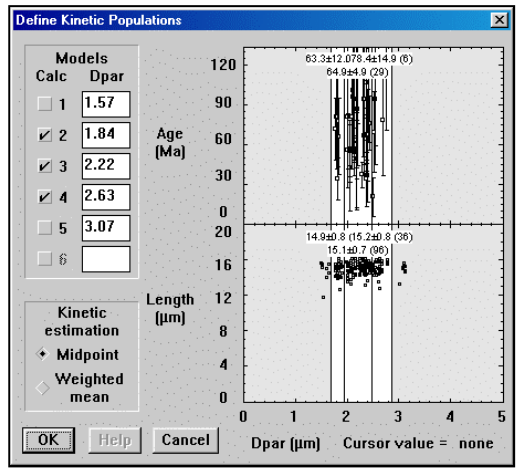
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-32
A2Z Sample Number	497-48
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.70: 58.4 ± 9.1 Ma; Dpar (µm) = 2.24: 59.3 ± 5.4 Ma; Dpar (µm) = 2.74: 60.2 ± 17.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.70: ≥58.4 ± 9.1 Ma; Dpar (µm) = 2.24: ≥59.3 ± 5.4 Ma; Dpar (µm) = 2.74: ≥60.2 ± 17.2 Ma
Details of recent cooling (since 35 Ma)	≥27°C
Peak burial Temperature (°C)	≥138°C
EasyRo (% reflectance)	1.25 ± 0.04%



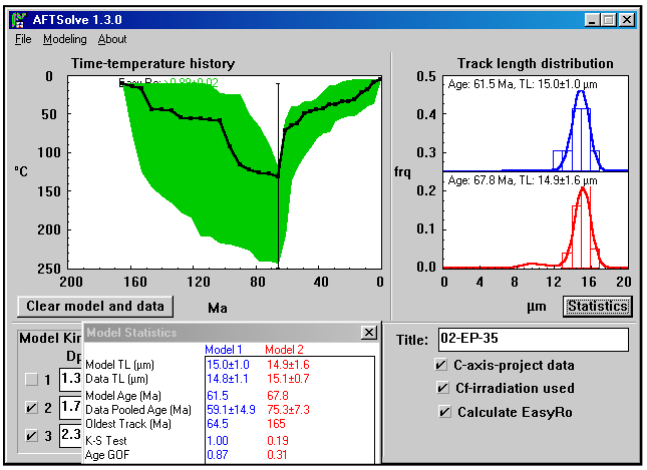


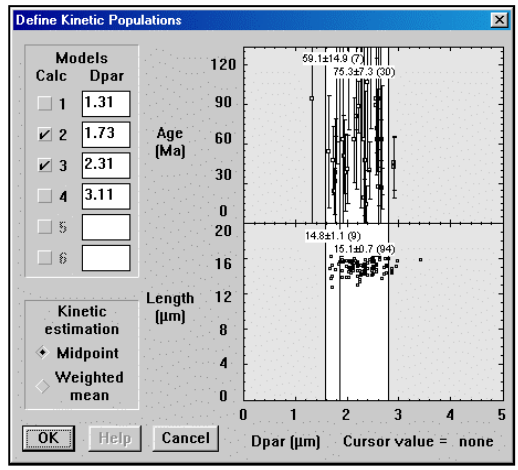
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-33
A2Z Sample Number	497-49
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.84: 62.2 ± 11.8 Ma;
	Dpar (µm) = 2.22: 64.2 ± 4.8 Ma;
	Dpar (µm) = 2.63: 66.3 ± 12.6 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.84: ≥62.2 ± 11.8 Ma;
	Dpar (µm) = 2.22: ≥64.2 ± 4.8 Ma;
	Dpar (µm) = 2.63: ≥66.3 ± 12.6 Ma
Details of recent cooling (since 35 Ma)	≥31°C
Peak burial Temperature (°C)	≥133°C
EasyRo (% reflectance)	1.16 ± 0.03%



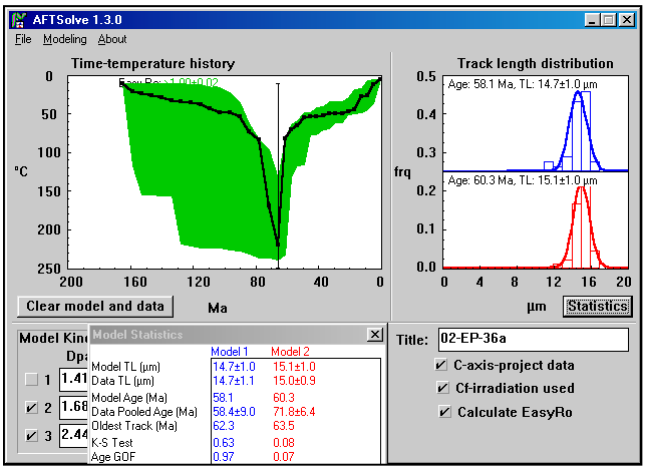


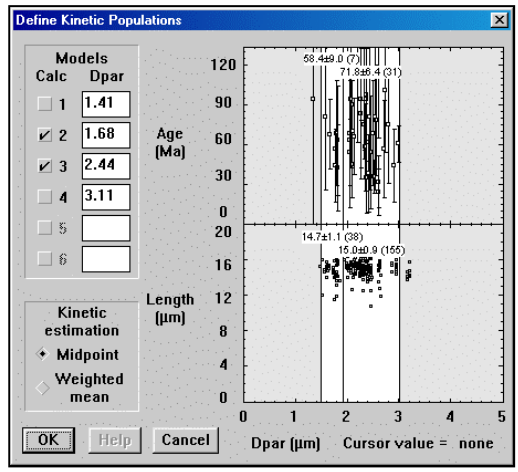
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-35
A2Z Sample Number	497-50
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.73: 64.5 ± 16.3 Ma;
	Dpar (µm) = 2.31: 165 ± 16.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.73: ≥64.5 ± 16.3 Ma;
	Dpar (µm) = 2.31: ≥165 ± 16.0 Ma
Details of recent cooling (since 35 Ma)	≥21°C
Peak burial Temperature (°C)	≥121°C
EasyRo (% reflectance)	0.89 ± 0.02%



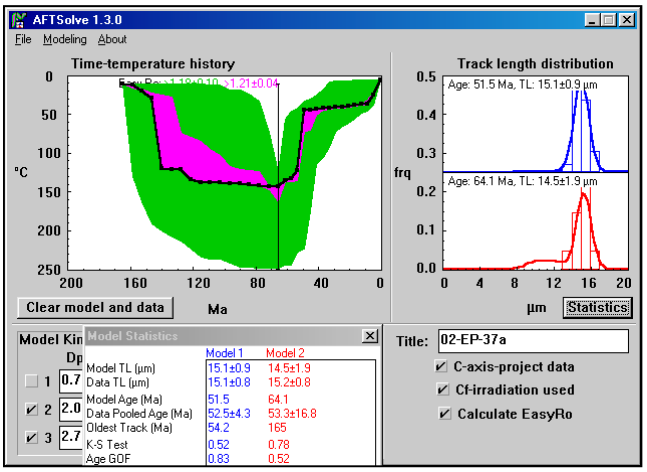


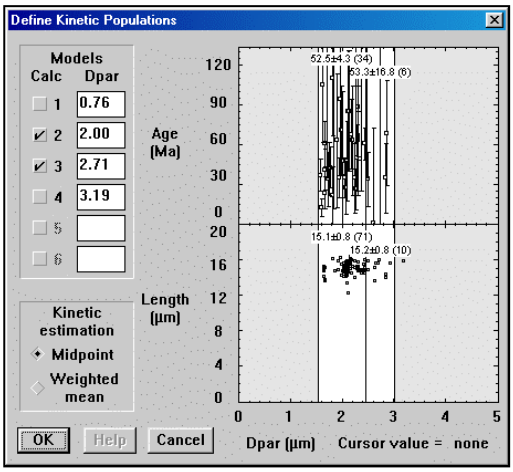
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-36a
A2Z Sample Number	497-51
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.68: 62.3 ± 9.6 Ma;
	Dpar (µm) = 2.44: 63.5 ± 5.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.68: ≥62.3 ± 9.6 Ma;
	Dpar (µm) = 2.44: ≥63.5 ± 5.7 Ma
Details of recent cooling (since 35 Ma)	≥40°C
Peak burial Temperature (°C)	≥134°C
EasyRo (% reflectance)	1.00 ± 0.02%



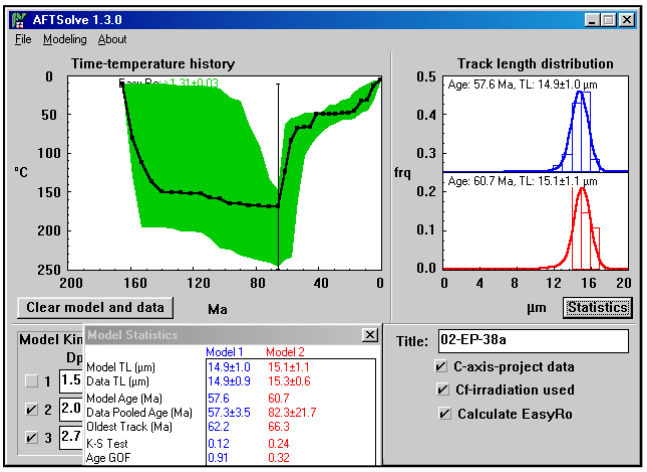


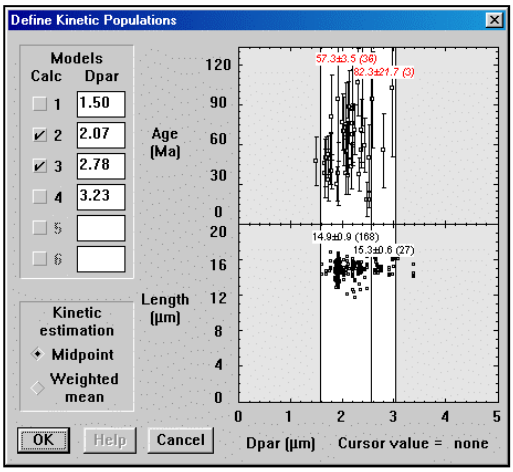
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-37a
A2Z Sample Number	497-52
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.00: 54.2 ± 4.4 Ma; Dpar (µm) = 2.71: 165 ± 52.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.00: ≥54.2 ± 4.4 Ma; Dpar (µm) = 2.71: ≥165 ± 52.0 Ma
Details of recent cooling (since 35 Ma)	Poorly constrained
Peak burial Temperature (°C)	≥125°C
EasyRo (% reflectance)	1.18 ± 0.10%



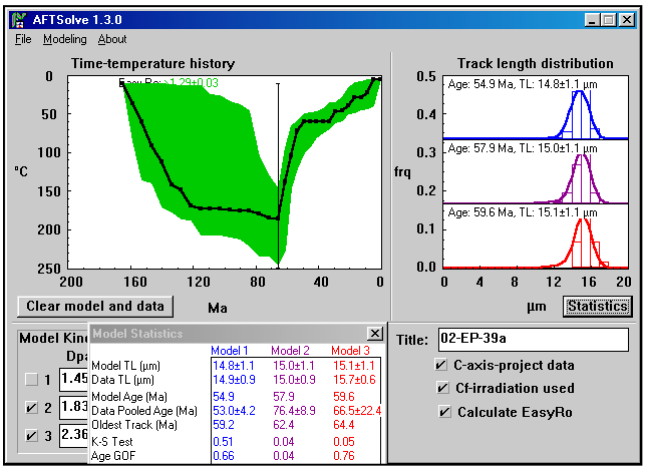


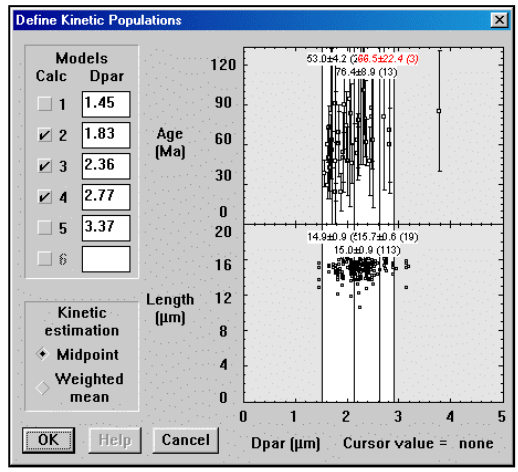
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-38a
A2Z Sample Number	497-53
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.07: 62.2 ± 3.8 Ma;
	Dpar (µm) = 2.78: 66.3 ± 17.5 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.07: ≥62.2 ± 3.8 Ma;
	Dpar (µm) = 2.78: ≥66.3 ± 17.5 Ma
Details of recent cooling (since 35 Ma)	≥46°C
Peak burial Temperature (°C)	≥148°C
EasyRo (% reflectance)	1.31 ± 0.03%



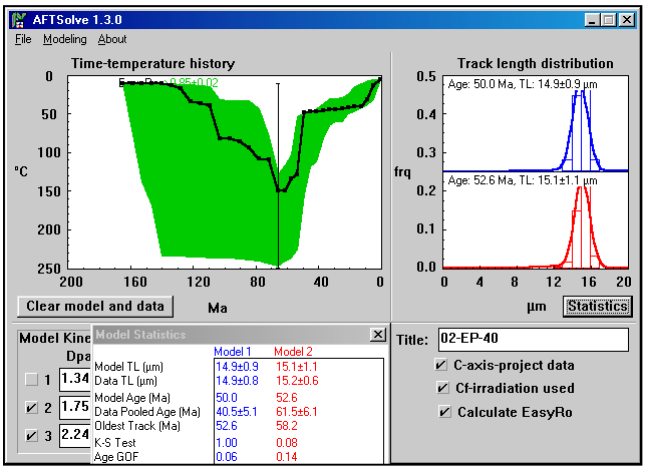


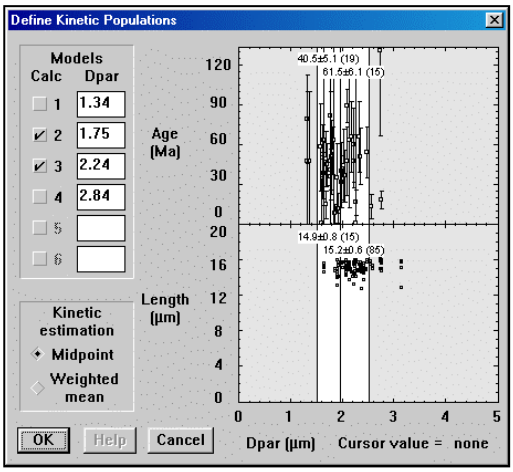
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-39a
A2Z Sample Number	497-54
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.83: 59.2 ± 4.7 Ma;
	Dpar (µm) = 2.36: 62.4 ± 7.3 Ma;
	Dpar (µm) = 2.78: 64.4 ± 21.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.83: ≥59.2 ± 4.7 Ma;
	Dpar (µm) = 2.36: ≥62.4 ± 7.3 Ma;
	Dpar (µm) = 2.78: ≥64.4 ± 21.7 Ma
Details of recent cooling (since 35 Ma)	≥41°C
Peak burial Temperature (°C)	≥148°C
EasyRo (% reflectance)	1.29 ± 0.03%



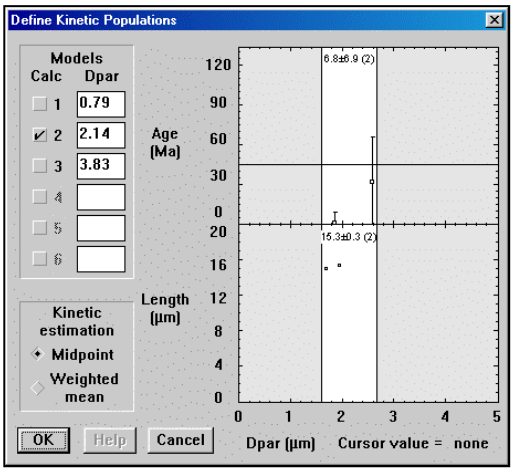


KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-40
A2Z Sample Number	497-55
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	65 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.75: 52.6 ± 6.6 Ma;
	Dpar (µm) = 2.78: 58.2 ± 5.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.75: ≥52.6 ± 6.6 Ma;
	Dpar (µm) = 2.78: ≥58.2 ± 5.8 Ma
Details of recent cooling (since 35 Ma)	≥35°C
Peak burial Temperature (°C)	≥128°C
EasyRo (% reflectance)	0.85 ± 0.02

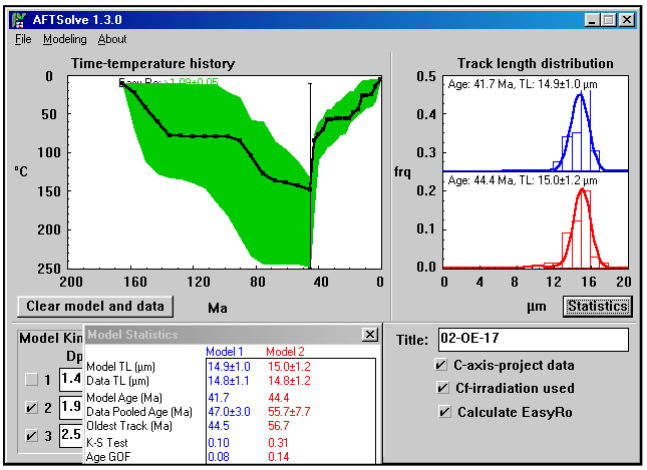


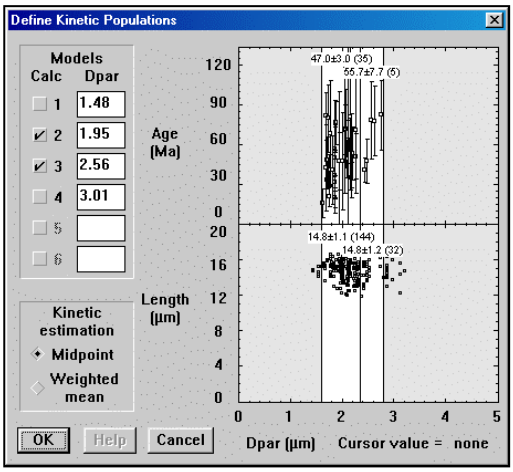
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-71
A2Z Sample Number	497-58
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	45 Ma (????)
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	25 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 2.14: 7.0 ± 7.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 2.14: ≥7.0 ± 7.0 Ma
Details of recent cooling (since 35 Ma)	Unconstrained
Peak burial Temperature (°C)	Unconstrained
EasyRo (% reflectance)	0.80 ± 0.02%



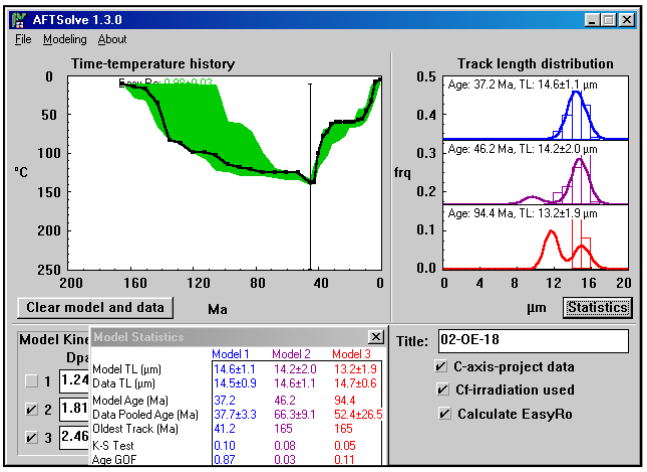


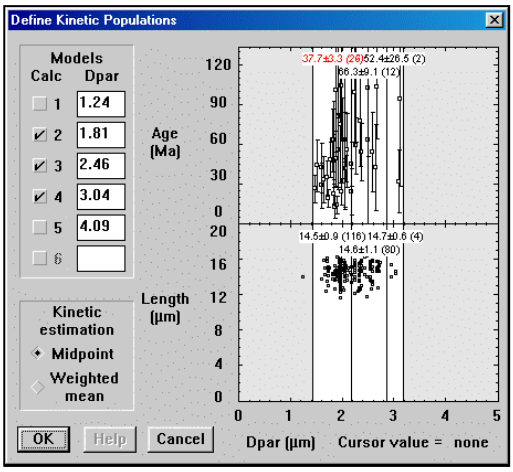
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-17
A2Z Sample Number	497-59
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.95: 44.5 ± 2.8 Ma;
	Dpar (µm) = 2.56: 56.7 ± 7.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.95: ≥44.5 ± 2.8 Ma;
	Dpar (µm) = 2.56: ≥56.7 ± 7.8 Ma
Details of recent cooling (since 35 Ma)	≥51°C
Peak burial Temperature (°C)	≥134°C
EasyRo (% reflectance)	1.09 ± 0.05%



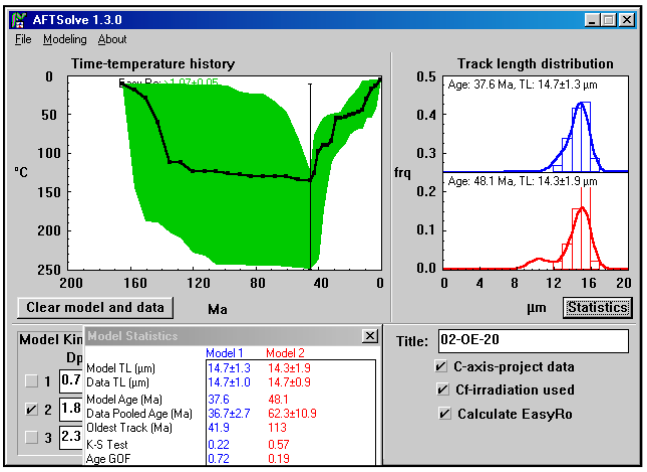


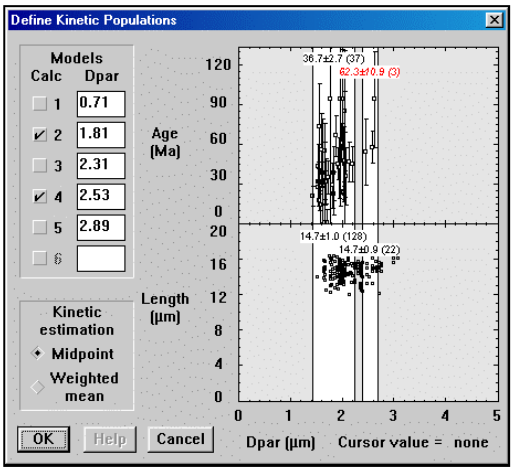
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-18
A2Z Sample Number	497-60
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.81: 41.2 ± 3.6 Ma;
	Dpar (µm) = 2.46: 165 ± 22.6 Ma;
	Dpar (µm) = 3.04: 165 ± 83.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.81: ≥41.2 ± 3.6 Ma;
	Dpar (µm) = 2.46: ≥165 ± 22.6 Ma;
	Dpar (µm) = 3.04: ≥165 ± 83.4 Ma
Details of recent cooling (since 35 Ma)	≥65°C
Peak burial Temperature (°C)	≥134°C
EasyRo (% reflectance)	0.98 ± 0.03%



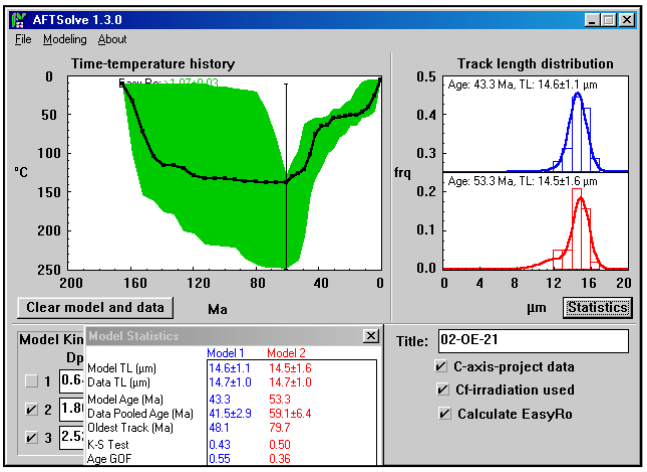


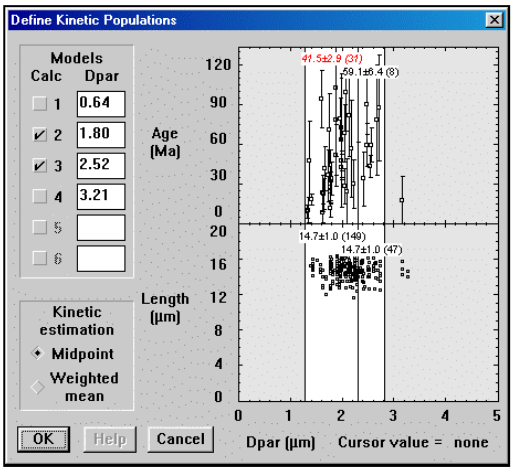
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-20
A2Z Sample Number	497-61
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.81: 41.9 ± 3.1 Ma;
	Dpar (µm) = 2.53: 113 ± 19.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.81: ≥41.9 ± 3.1 Ma;
	Dpar (µm) = 2.53: ≥113 ± 19.8 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥125°C
EasyRo (% reflectance)	1.07 ± 0.05%



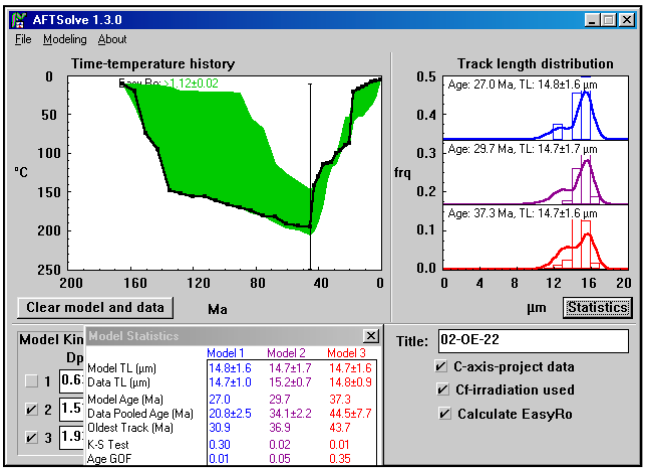


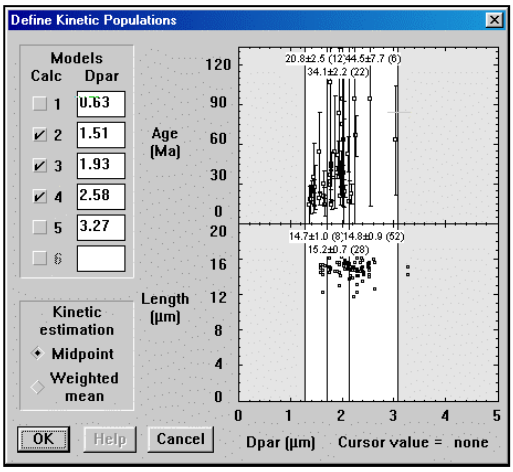
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-21
A2Z Sample Number	497-62
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.80: 48.1 ± 3.4 Ma;
	Dpar (µm) = 2.52: 79.7 ± 8.6 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.80: ≥48.1 ± 3.4 Ma;
	Dpar (µm) = 2.52: ≥79.7 ± 8.6 Ma
Details of recent cooling (since 35 Ma)	≥50°C
Peak burial Temperature (°C)	≥131°C
EasyRo (% reflectance)	1.07 ± 0.03%



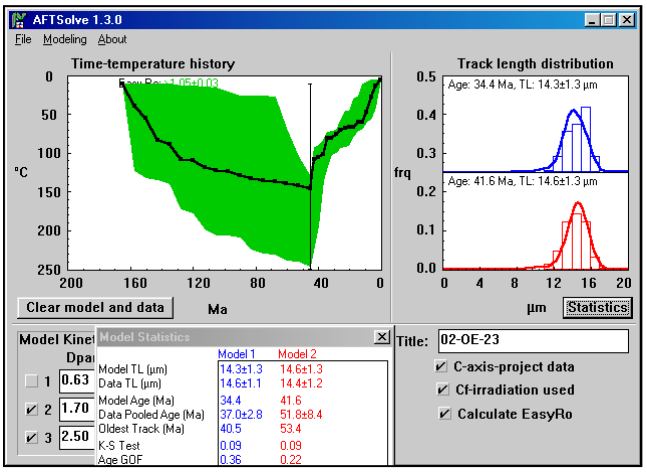


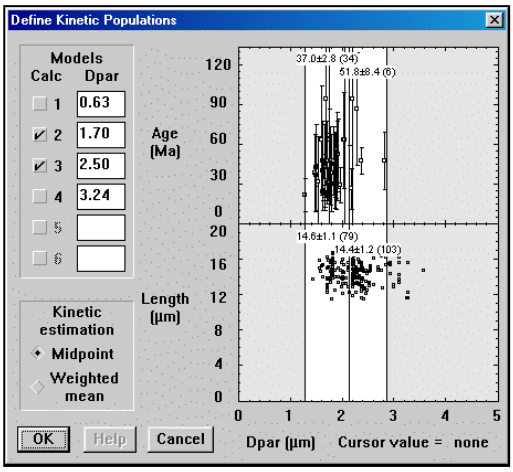
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-22
A2Z Sample Number	497-63
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.51: 30.9 ± 3.7 Ma;
	Dpar (µm) = 1.93: 36.9 ± 2.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.51: ≥30.9 ± 3.7 Ma;
	Dpar (µm) = 1.93: ≥36.9 ± 2.4 Ma
Details of recent cooling (since 35 Ma)	≥110°C
Peak burial Temperature (°C)	≥147°C
EasyRo (% reflectance)	1.12 ± 0.02%



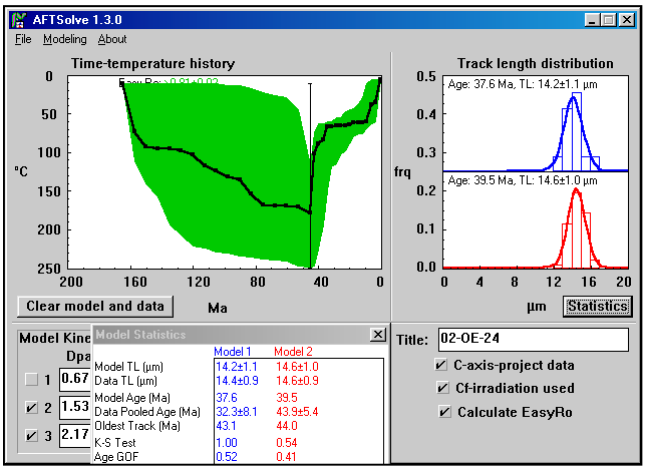


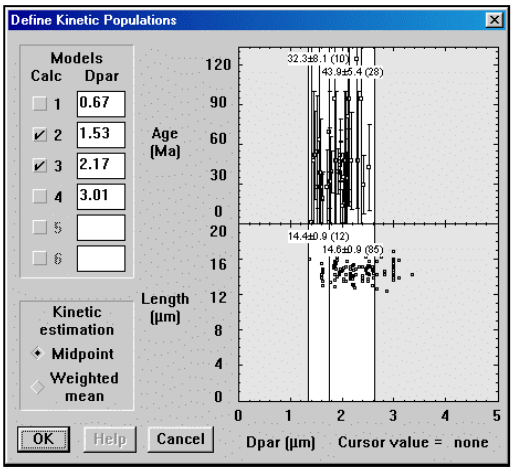
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-23
A2Z Sample Number	497-64
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.70: 40.5 ± 3.1 Ma;
	Dpar (µm) = 2.50: 53.4 ± 8.7 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.70: ≥40.5 ± 3.1 Ma;
	Dpar (µm) = 2.50: ≥53.4 ± 8.7 Ma
Details of recent cooling (since 35 Ma)	≥80°C
Peak burial Temperature (°C)	≥131°C
EasyRo (% reflectance)	1.05 ± 0.03%



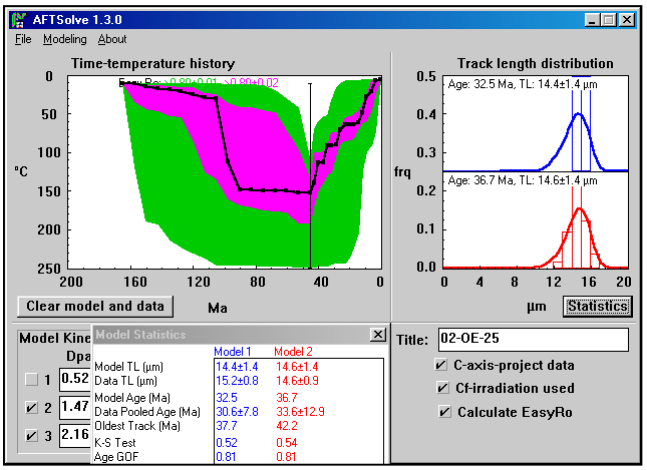


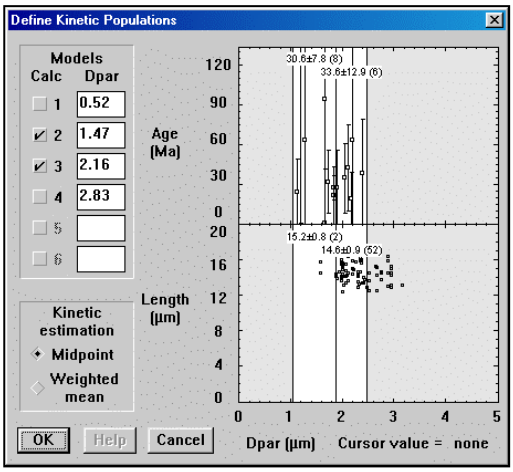
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-24
A2Z Sample Number	497-65
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.53: 43.1 ± 10.8 Ma;
	Dpar (µm) = 2.17: 44.0 ± 5.4 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.53: ≥43.1 ± 10.8 Ma;
	Dpar (µm) = 2.17: ≥44.0 ± 5.4 Ma
Details of recent cooling (since 35 Ma)	≥60°C
Peak burial Temperature (°C)	≥117°C
EasyRo (% reflectance)	0.81 ± 0.02%



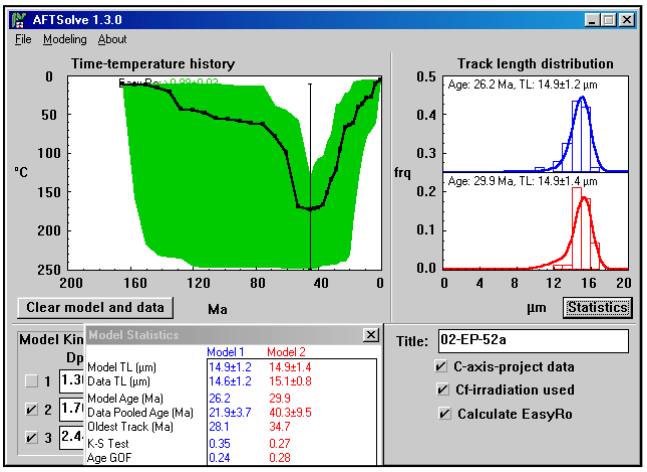


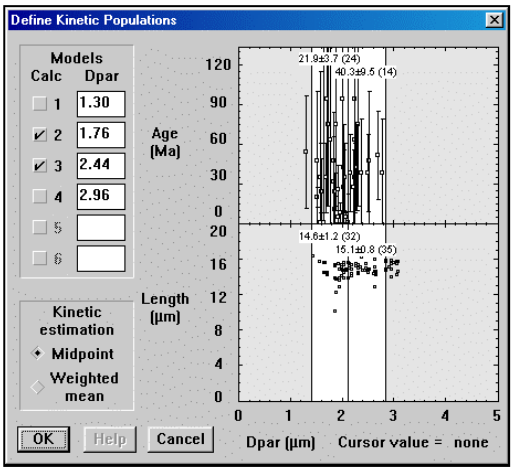
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-OE-25
A2Z Sample Number	497-66
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.47: 37.7 ± 9.6 Ma;
	Dpar (µm) = 2.17: 42.2 ± 16.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.47: ≥37.7 ± 9.6 Ma;
	Dpar (µm) = 2.17: ≥42.2 ± 16.2 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥113°C
EasyRo (% reflectance)	0.80 ± 0.01%



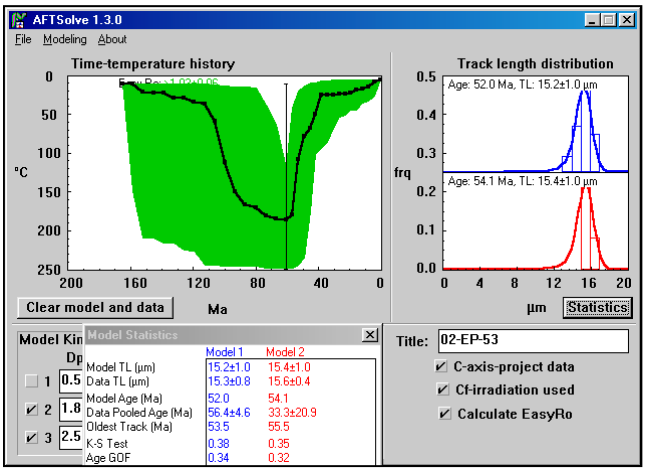


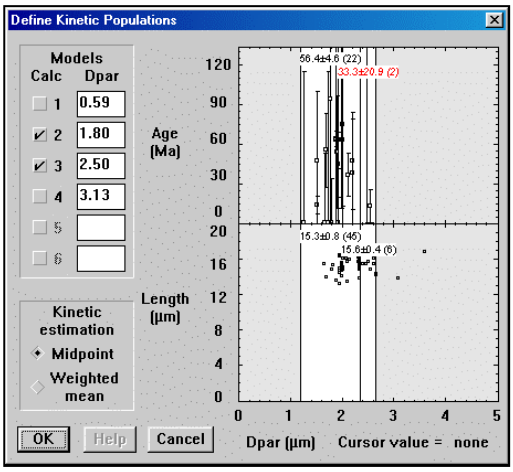
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-52a
A2Z Sample Number	497-67
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.76: 28.1 ± 4.7 Ma;
	Dpar (µm) = 2.44: 34.7 ± 8.2 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.76: ≥28.1 ± 4.7 Ma;
	Dpar (µm) = 2.44: ≥34.7 ± 8.2 Ma
Details of recent cooling (since 35 Ma)	≥100°C
Peak burial Temperature (°C)	≥132°C
EasyRo (% reflectance)	0.99 ± 0.03%



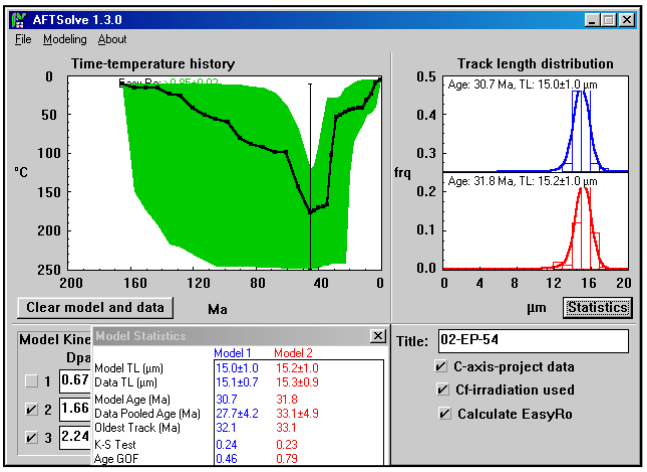


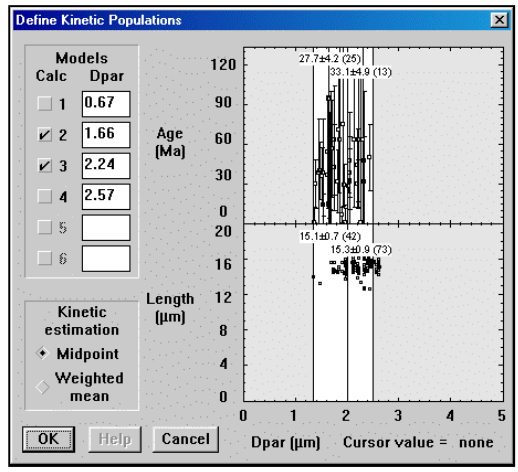
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-53
A2Z Sample Number	497-68
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	60 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.80: 53.5 ± 4.4 Ma; Dpar (µm) = 2.50: 55.5 ± 34.8 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.80: ≥53.5 ± 4.4 Ma; Dpar (µm) = 2.50: ≥55.5 ± 34.8 Ma
Details of recent cooling (since 35 Ma)	Poorly constrained
Peak burial Temperature (°C)	≥120°C
EasyRo (% reflectance)	1.03 ± 0.06%



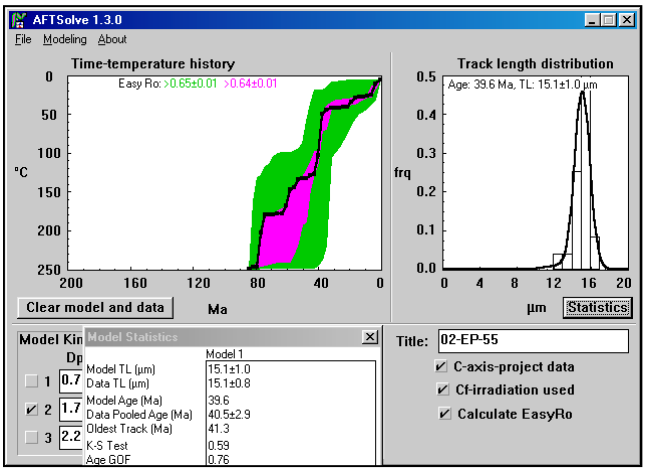


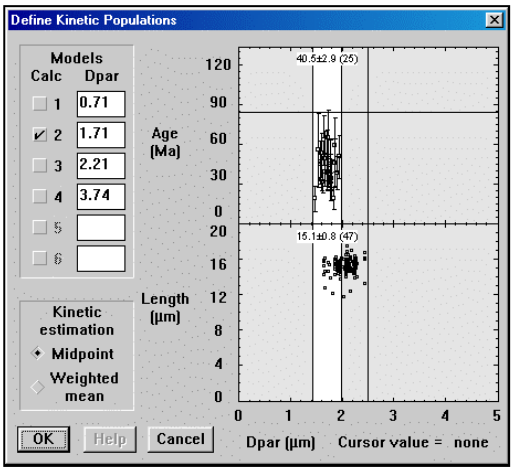
KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-54
A2Z Sample Number	497-69
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	165 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	45 Ma assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.66: 32.1 ± 4.9 Ma;
	Dpar (µm) = 2.24: 33.1 ± 4.9 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.66: ≥32.1 ± 4.9 Ma;
	Dpar (µm) = 2.24: ≥33.1 ± 4.9 Ma
Details of recent cooling (since 35 Ma)	≥55°C
Peak burial Temperature (°C)	≥122°C
EasyRo (% reflectance)	0.85 ± 0.02%





KNOWN PARAMETERS AND ASSUMPTIONS

Client Sample Number	02-EP-55
A2Z Sample Number	497-70
Kinetic Parameter Modeled	Dpar (µm)
Stratigraphic Age (Ma)	84 Ma
Present-day Temperature (°C)	5°C assumed
Timing of Uplift/Cooling (Ma)	Cooling only assumed

IMPLICATIONS OF THE FISSION TRACK DATA

Age of Oldest Fission Track (Ma)	Dpar (µm) = 1.71: 41.3 ± 3.0 Ma
Timing of Initiation of Uplift/Cooling (Ma)	Dpar (µm) = 1.71: ≥41.3 ± 3.0 Ma
Details of recent cooling (since 35 Ma)	≥15°C
Peak burial Temperature (°C)	Not applicable
EasyRo (% reflectance)	Not applicable

3. Apatite Fission-Track Age Data

Fish Canyon Tuff-A(1) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	69	100	18.06	6.76	22	4	2.81	0.88
2	7	36	50	30.25	12.53	23	4	2.60	0.79
3	10	45	60	34.57	12.13	24	4	2.46	0.61
4	3	23	100	20.31	12.48	7	4	2.44	0.70
5	12	37	60	50.38	16.80	20	4	2.44	0.55
6	3	35	64	13.35	8.04	17	3	2.12	0.66
7	4	33	48	18.88	10.01	22	4	2.66	0.88
8	3	15	24	31.12	19.70	20	4	1.98	0.70
9	6	31	80	30.12	13.46	12	4	2.39	0.50
10	5	23	60	33.82	16.71	12	4	2.33	0.56
11	5	32	56	24.32	11.72	18	4	2.17	0.59
12	8	38	80	32.75	12.78	15	4	2.38	0.53
13	15	101	80	23.12	6.43	40	4	1.82	0.97
14	4	13	50	47.81	27.37	8	2	2.09	0.88
15	4	35	100	17.80	9.41	11	4	2.86	0.76
16	7	30	80	36.29	15.27	12	4	2.52	0.76
17	9	32	100	43.72	16.54	10	4	2.68	0.60
18	12	63	100	29.64	9.38	20	4	2.12	0.60
19	8	47	60	26.49	10.16	25	4	2.20	1.08
20	0	29	64	0.00	5.47	14	0	0.00	0.00
21	5	18	80	43.18	21.86	7	4	2.90	0.53
22	4	31	48	20.09	10.69	21	4	2.58	0.41
23	4	22	48	28.29	15.40	15	4	2.08	0.53
24	9	86	100	16.30	5.73	27	4	2.45	0.61
25	9	55	60	25.47	9.19	29	4	2.50	0.60
26	9	35	60	39.98	14.99	19	4	2.32	0.65
27	7	27	80	40.31	17.14	11	4	2.65	0.76
28	6	43	64	21.73	9.49	21	4	2.50	0.77
29	10	44	60	35.35	12.43	23	4	2.38	0.89
30	5	23	36	33.82	16.71	20	4	2.27	0.74

Mean Dpar	= 2.40	Pooled Age (Ma)	= 27.2+/- 2.2
Mean Dper	= 0.69	Mean Age (Ma)	= 28.9+/- 2.2
Chi-squared	= 23.761	W.Mean Age (Ma)	= 21.7+/- 2.0
Chi-squared prob	= 0.741	Median Age (Ma)	= 29.9- 2.6+ 1.5

Fish Canyon Tuff-A(2) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	29	50	10.75	7.86	19	4	2.86	0.73
2	1	11	32	14.16	14.80	11	0	0.00	0.00
3	7	34	50	32.03	13.33	22	4	2.57	0.73
4	7	35	60	31.12	12.92	19	4	2.66	0.68
5	4	15	50	41.46	23.36	10	4	2.95	0.64
6	6	46	64	20.31	8.84	23	4	2.72	0.46
7	4	24	60	25.94	14.03	13	4	2.27	0.60
8	12	38	64	49.06	16.31	19	4	2.42	0.64
9	7	42	60	25.94	10.62	22	4	2.30	0.55
10	4	12	60	51.78	29.93	6	4	2.72	0.95
11	2	26	40	11.99	8.80	21	3	2.41	1.13
12	1	24	56	6.50	6.63	14	3	2.04	0.53
13	7	34	100	32.03	13.33	11	4	2.42	0.58
14	9	37	60	37.83	14.10	20	4	2.45	0.84
15	1	20	48	7.79	7.99	13	0	0.00	0.00
16	8	68	80	18.32	6.87	27	4	2.15	0.80
17	5	40	60	19.47	9.25	21	4	2.64	0.85
18	3	19	60	24.58	15.29	10	4	2.52	0.74
19	5	30	36	25.94	12.55	27	4	2.98	0.96
20	10	30	48	51.78	18.97	20	4	2.44	0.56
21	4	25	60	24.91	13.43	13	4	2.17	0.55
22	9	66	100	21.23	7.57	21	4	2.48	0.48
23	3	7	30	66.50	45.93	7	3	2.20	0.70
24	8	20	70	62.08	26.03	9	4	2.15	0.77
25	3	12	60	38.87	25.12	6	4	2.66	0.77
26	13	53	80	38.14	11.86	21	4	2.30	0.68
27	7	35	100	31.12	12.92	11	4	2.24	0.61
28	4	47	80	13.26	6.92	19	4	2.22	0.70
29	7	41	60	26.57	10.89	22	4	2.80	0.54
30	5	42	48	18.54	8.79	28	4	2.11	0.82

Mean Dpar	= 2.46	Pooled Age (Ma)	= 27.2+/- 2.4
Mean Dper	= 0.70	Mean Age (Ma)	= 29.4+/- 3.0
Chi-squared	= 30.037	W.Mean Age (Ma)	= 20.6+/- 2.1
Chi-squared prob	= 0.412	Median Age (Ma)	= 25.9- 2.0+ 3.4

Fish Canyon Tuff-C(1) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	3	38	60	12.21	7.33	20	3	3.12	0.64
2	4	23	36	26.86	14.57	21	4	3.41	1.04
3	7	42	80	25.74	10.54	17	4	3.37	0.66
4	10	26	40	59.25	22.12	21	4	3.12	0.94
5	8	74	60	16.71	6.24	40	4	3.11	1.00
6	11	34	60	49.88	17.36	18	4	3.53	0.82
7	6	23	40	40.25	18.49	18	4	2.88	0.79
8	8	50	70	24.72	9.44	23	4	2.70	0.72
9	5	15	32	51.39	26.58	15	4	2.39	0.66
10	5	23	40	33.56	16.59	18	4	4.38	1.58
11	5	35	50	22.07	10.57	23	4	3.42	1.00
12	2	9	20	34.30	26.83	14	2	3.31	0.79
13	0	8	18	0.00	20.50	14	0	0.00	0.00
14	4	17	32	36.31	20.21	17	4	3.38	0.88
15	3	17	30	27.26	17.09	18	3	3.38	0.58
16	2	34	70	9.10	6.62	16	4	3.74	0.96
17	8	63	100	19.62	7.39	20	4	3.59	0.86
18	5	40	80	19.32	9.18	16	4	3.13	0.82
19	3	22	48	21.07	12.98	15	2	3.17	1.01
20	4	18	30	34.30	18.99	19	4	2.95	0.83
21	3	17	36	27.26	17.09	15	4	3.38	0.68
22	7	21	48	51.39	22.48	14	4	2.81	0.77
23	12	72	100	25.74	8.06	23	4	3.46	0.67
24	3	8	40	57.78	39.15	6	3	3.20	0.97
25	6	37	60	25.05	11.05	20	4	3.48	0.97
26	6	39	48	23.77	10.45	26	4	3.32	0.92
27	2	28	80	11.05	8.09	11	3	3.65	1.27
28	4	43	48	14.38	7.53	29	4	3.24	0.89
29	2	20	32	15.46	11.47	20	2	2.45	0.50
30	9	24	80	57.78	22.65	10	4	3.34	0.65
31	15	60	80	38.58	11.19	24	4	3.14	0.49
32	8	38	100	32.50	12.68	12	4	3.34	1.10

Mean Dpar	= 3.25	Pooled Age (Ma)	= 27.3+/- 2.3
Mean Dper	= 0.85	Mean Age (Ma)	= 29.5+/- 2.9
Chi-squared	= 33.122	W.Mean Age (Ma)	= 21.5+/- 2.1
Chi-squared prob	= 0.364	Median Age (Ma)	= 26.3- 1.8+ 3.0

Fish Canyon Tuff-C(2) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	26	40	11.89	8.74	21	3	3.04	0.95
2	4	10	48	61.61	36.50	7	4	3.05	0.85
3	9	25	48	55.48	21.63	17	4	4.00	1.08
4	5	27	48	28.60	13.95	18	4	2.76	0.68
5	1	23	30	6.73	6.87	25	1	2.44	0.90
6	1	23	36	6.73	6.87	21	1	2.17	0.91
7	3	17	40	27.26	17.09	14	3	3.32	0.95
8	0	9	12	0.00	18.11	24	0	0.00	0.00
9	3	22	36	21.07	12.98	20	3	2.83	1.10
10	1	10	36	15.46	16.22	9	1	3.48	0.52
11	3	11	25	42.07	27.43	14	3	2.87	0.53
12	10	68	48	22.72	7.72	46	4	3.74	0.89
13	8	61	80	20.27	7.64	25	4	2.94	0.82
14	3	15	24	30.88	19.55	20	4	3.08	0.89
15	1	16	25	9.67	9.97	21	3	3.24	0.66
16	7	18	36	59.91	26.74	16	4	3.07	0.85
17	1	18	36	8.59	8.83	16	2	2.86	0.86
18	3	21	36	22.07	13.64	19	4	3.06	0.88
19	4	27	48	22.89	12.28	18	4	2.92	0.79
20	4	14	30	44.07	25.02	15	4	3.48	0.80
21	9	20	30	69.27	27.88	21	4	3.12	1.06
22	0	7	24	0.00	23.61	9	0	0.00	0.00
23	5	24	36	32.16	15.84	21	4	2.98	1.01
24	9	50	80	27.80	10.10	20	4	3.29	0.64
25	4	45	45	13.74	7.18	32	4	2.69	0.67
26	1	12	30	12.88	13.42	13	1	3.88	0.84
27	7	27	35	40.00	17.01	25	4	2.93	0.91
28	6	39	60	23.77	10.45	21	4	3.29	0.84
29	3	8	24	57.78	39.15	11	4	3.20	0.83

Mean Dpar	= 3.10	Pooled Age (Ma)	= 26.1+/- 2.7
Mean Dper	= 0.84	Mean Age (Ma)	= 27.5+/- 3.7
Chi-squared	= 34.215	W.Mean Age (Ma)	= 17.8+/- 2.2
Chi-squared prob	= 0.194	Median Age (Ma)	= 22.9- 2.8+ 4.8

Fish Canyon Tuff-D(1) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	9	28	15	49.18	18.90	60	4	2.60	0.72
2	1	15	30	10.23	10.57	16	1	3.41	0.48
3	4	20	50	30.64	16.81	13	4	2.36	0.59
4	5	25	36	30.64	15.04	22	4	2.28	0.67
5	6	15	24	61.14	29.59	20	4	2.42	0.72
6	11	50	100	33.70	11.27	16	4	2.41	0.85
7	9	25	36	55.05	21.46	22	4	2.26	0.53
8	3	17	24	27.05	16.96	23	4	2.38	0.61
9	1	11	36	13.95	14.57	10	2	2.71	0.89
10	4	25	40	24.53	13.23	20	4	2.68	0.47
11	6	17	35	53.98	25.68	16	4	2.12	0.55
12	3	15	36	30.64	19.40	13	4	3.00	0.62
13	3	11	21	41.75	27.22	17	3	2.11	0.36
14	2	24	50	12.79	9.42	16	3	2.42	0.52
15	8	65	32	18.88	7.09	66	4	2.38	0.43
16	1	26	30	5.90	6.02	28	2	2.21	0.67
17	6	24	48	38.28	17.51	16	4	2.22	0.64
18	1	7	27	21.90	23.42	8	0	0.00	0.00
19	7	27	40	39.70	16.88	22	4	2.65	0.85
20	2	24	21	12.79	9.42	37	3	2.41	0.58
21	9	62	40	22.26	7.97	50	4	2.66	0.70
22	6	34	70	27.05	12.00	16	4	2.59	0.72
23	0	12	18	0.00	13.31	22	0	0.00	0.00
24	2	14	24	21.90	16.57	19	2	1.97	0.40
25	6	31	50	29.66	13.26	20	4	2.29	0.58
26	7	17	40	62.93	28.32	14	4	2.69	0.62
27	6	20	50	45.91	21.41	13	4	1.93	0.47
28	1	16	30	9.59	9.89	17	2	2.63	0.31
29	2	20	36	15.34	11.39	18	4	2.63	0.59

Mean Dpar	= 2.46	Pooled Age (Ma)	= 28.8+/- 2.9
Mean Dper	= 0.60	Mean Age (Ma)	= 29.2+/- 3.3
Chi-squared	= 28.665	W.Mean Age (Ma)	= 20.0+/- 2.4
Chi-squared prob	= 0.430	Median Age (Ma)	= 27.0- 3.3+ 3.5

Fish Canyon Tuff-D(2) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	15	50	10.23	10.57	10	2	2.48	0.58
2	7	35	50	30.64	12.72	23	4	2.42	0.54
3	5	16	36	47.82	24.54	14	4	2.36	0.59
4	0	3	24	0.00	58.90	4	0	0.00	0.00
5	1	12	20	12.79	13.31	19	2	2.78	0.31
6	3	11	40	41.75	27.22	9	4	2.33	0.48
7	5	23	28	33.30	16.46	27	4	2.02	0.43
8	3	22	32	20.91	12.88	22	4	1.86	0.30
9	1	11	20	13.95	14.57	18	1	2.77	0.47
10	6	30	32	30.64	13.73	30	4	2.22	0.52
11	10	34	50	45.01	16.25	22	4	2.22	1.02
12	2	11	24	27.86	21.43	15	2	2.41	0.47
13	9	46	100	29.98	10.96	15	4	1.91	0.30
14	7	21	56	50.99	22.30	12	4	2.74	0.72
15	3	25	25	18.40	11.26	32	4	2.38	0.56
16	3	8	15	57.34	38.85	17	4	2.50	0.73
17	5	13	25	58.80	30.99	17	4	2.30	0.59
18	5	20	36	38.28	19.17	18	4	2.15	0.38
19	1	14	19	10.96	11.35	24	2	2.51	0.72
20	1	9	25	17.04	17.97	12	0	0.00	0.00
21	3	13	25	35.35	22.66	17	3	2.17	0.58
22	1	27	36	5.69	5.79	24	2	2.56	0.42
23	6	19	40	48.32	22.67	15	4	2.80	0.67
24	3	20	36	23.00	14.25	18	3	2.17	0.67

Mean Dpar	= 2.37	Pooled Age (Ma)	= 30.4+/- 3.6
Mean Dper	= 0.55	Mean Age (Ma)	= 29.6+/- 3.6
Chi-squared	= 16.775	W.Mean Age (Ma)	= 20.4+/- 2.9
Chi-squared prob	= 0.820	Median Age (Ma)	= 30.3- 4.6+ 4.0

Durango-A(1) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	32	100	37.99	15.06	10	4	1.86	0.25
2	6	29	100	31.45	14.14	9	4	1.82	0.40
3	5	17	50	44.67	22.76	11	4	1.82	0.32
4	7	32	100	33.25	13.91	10	4	1.72	0.30
5	8	52	100	23.40	8.91	17	4	1.57	0.37
6	15	65	100	35.07	10.10	21	4	1.55	0.49
7	3	24	60	19.02	11.66	13	4	1.54	0.41
8	8	35	100	34.74	13.65	11	4	1.60	0.24
9	11	33	100	50.60	17.68	11	4	1.93	0.36
10	8	35	80	34.74	13.65	14	4	1.51	0.31
11	8	41	100	29.67	11.50	13	4	2.17	0.37
12	10	41	80	37.06	13.12	17	4	1.57	0.40
13	9	36	100	37.99	14.20	12	4	1.60	0.26
14	12	29	100	62.75	21.62	9	4	1.66	0.46
15	6	40	80	22.82	10.01	16	4	1.61	0.47
16	7	36	80	29.56	12.24	15	4	1.97	0.38
17	0	29	100	0.00	5.34	9	2	1.70	0.26
18	7	36	100	29.56	12.24	12	4	1.72	0.17
19	10	47	100	32.34	11.30	15	4	1.91	0.36
20	7	57	100	18.69	7.50	19	4	2.02	0.22
21	4	37	100	16.45	8.67	12	4	1.74	0.19
22	14	41	100	51.83	16.11	13	4	1.97	0.23
23	7	22	100	48.31	21.01	7	4	2.11	0.24
24	13	50	100	39.50	12.35	16	4	2.05	0.20
25	9	36	100	37.99	14.20	12	4	1.88	0.46
26	10	36	100	42.19	15.13	12	4	1.82	0.29
27	4	30	60	20.29	10.82	16	4	1.87	0.26
28	13	51	100	38.73	12.09	17	4	1.58	0.24
29	4	40	100	15.22	7.99	13	4	1.38	0.59
30	8	30	100	40.51	16.16	10	4	1.49	0.40

Mean Dpar	= 1.76	Pooled Age (Ma)	= 32.7+/- 2.5
Mean Dper	= 0.33	Mean Age (Ma)	= 33.2+/- 2.6
Chi-squared	= 26.569	W.Mean Age (Ma)	= 25.0+/- 2.2
Chi-squared prob	= 0.595	Median Age (Ma)	= 34.7- 3.1+ 1.3

Durango-A(2) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	7	38	100	28.01	11.55	12	4	1.79	0.24
2	10	52	100	29.24	10.13	17	2	1.68	0.40
3	6	21	60	43.40	20.13	11	4	1.54	0.26
4	12	55	100	33.16	10.61	18	4	1.38	0.36
5	5	35	100	21.73	10.41	11	4	1.49	0.35
6	8	32	80	37.99	15.06	13	4	1.86	0.32
7	9	50	80	27.37	9.94	20	4	1.38	0.30
8	4	21	80	28.96	15.82	9	4	2.29	0.22
9	4	19	100	32.00	17.63	6	4	2.02	0.14
10	9	32	100	42.72	16.17	10	4	2.05	0.40
11	8	37	80	32.87	12.85	15	4	2.08	0.20
12	6	24	100	37.99	17.37	8	4	1.75	0.22
13	11	32	80	52.17	18.30	13	4	2.17	0.24
14	7	24	80	44.30	19.07	10	4	1.90	0.34
15	6	35	100	26.07	11.55	11	4	1.58	0.14
16	5	32	100	23.77	11.45	10	4	1.82	0.28
17	10	34	100	44.67	16.12	11	4	1.84	0.32
18	9	49	100	27.93	10.16	16	4	1.76	0.29
19	6	28	100	32.57	14.68	9	4	1.45	0.25
20	12	35	100	52.04	17.47	11	4	1.81	0.34
21	10	58	100	26.22	9.01	19	4	1.63	0.32
22	6	27	60	33.78	15.28	15	4	1.62	0.29
23	3	43	100	10.62	6.35	14	4	1.79	0.30
24	20	68	100	44.67	11.44	22	4	1.76	0.20
25	5	52	100	14.64	6.87	17	4	2.00	0.23
26	6	32	100	28.51	12.71	10	2	1.58	0.25
27	2	30	100	10.15	7.42	10	1	1.30	0.40
28	4	24	60	25.35	13.71	13	4	1.98	0.12
29	10	34	100	44.67	16.12	11	4	1.97	0.36
30	6	24	80	37.99	17.37	10	4	1.87	0.29

Mean Dpar	= 1.77	Pooled Age (Ma)	= 31.9+/- 2.5
Mean Dper	= 0.28	Mean Age (Ma)	= 32.5+/- 2.2
Chi-squared	= 21.728	W.Mean Age (Ma)	= 26.3+/- 2.3
Chi-squared prob	= 0.831	Median Age (Ma)	= 32.3- 1.7+ 2.9

Durango-B(1) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	30	100	40.20	16.04	10	4	2.21	0.62
2	14	49	100	43.06	13.11	16	4	2.52	0.23
3	12	44	100	41.11	13.44	14	4	2.16	0.25
4	6	39	100	23.22	10.21	13	4	2.65	0.47
5	9	41	100	33.11	12.22	13	4	2.54	0.42
6	13	38	90	51.52	16.62	14	4	2.33	0.35
7	10	57	100	26.47	9.11	19	4	2.64	0.48
8	7	44	100	24.01	9.80	14	4	2.64	0.37
9	7	37	100	28.54	11.79	12	4	2.51	0.54
10	9	50	100	27.16	9.87	16	4	2.53	0.42
11	5	32	100	23.58	11.36	11	4	3.17	0.46
12	7	37	60	28.54	11.79	20	4	2.96	0.35
13	5	29	100	26.02	12.62	10	4	2.56	0.62
14	7	32	100	32.99	13.80	11	4	2.46	0.50
15	7	55	100	19.22	7.73	18	4	2.21	0.52
16	4	27	100	22.36	12.00	9	4	2.84	0.50
17	9	38	100	35.71	13.28	13	4	2.84	0.43
18	7	41	100	25.76	10.56	13	4	3.01	0.54
19	5	35	60	21.57	10.33	19	4	1.62	0.50
20	6	30	100	30.17	13.52	10	4	3.01	0.30
21	9	45	100	30.17	11.05	15	4	2.59	0.47
22	9	27	60	50.21	19.38	15	4	2.53	0.32
23	10	32	100	47.08	17.11	11	4	2.24	0.53
24	10	19	100	79.10	30.99	6	4	2.40	0.35
25	8	54	100	22.36	8.50	18	4	2.57	0.26

Mean Dpar	= 2.55	Pooled Age (Ma)	= 31.8+/- 2.6
Mean Dper	= 0.43	Mean Age (Ma)	= 33.3+/- 2.9
Chi-squared	= 19.015	W.Mean Age (Ma)	= 28.6+/- 2.5
Chi-squared prob	= 0.751	Median Age (Ma)	= 28.5- 1.4+ 3.5

Durango-B(2) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	12	28	100	64.48	22.33	9	4	2.05	0.37
2	6	24	100	37.69	17.24	8	4	1.85	0.36
3	7	25	70	42.20	18.09	12	4	1.70	0.22
4	7	24	60	43.95	18.92	13	4	1.79	0.35
5	6	30	80	30.17	13.52	12	4	1.79	0.26
6	9	50	100	27.16	9.87	16	4	2.03	0.28
7	8	42	100	28.74	11.12	14	4	1.90	0.12
8	9	52	80	26.12	9.46	21	4	2.06	0.29
9	4	31	100	19.48	10.37	10	4	2.20	0.31
10	14	35	100	60.20	19.12	12	4	1.76	0.19
11	20	52	100	57.90	15.33	17	4	1.99	0.47
12	6	68	100	13.33	5.69	22	4	1.86	0.40
13	11	49	100	33.86	11.34	16	4	1.99	0.26
14	9	39	100	34.80	12.91	13	4	1.79	0.24
15	3	38	100	11.93	7.16	13	3	1.92	0.30
16	6	24	60	37.69	17.24	13	4	1.78	0.24
17	8	32	100	37.69	14.94	11	4	2.15	0.24
18	7	31	100	34.05	14.28	10	4	1.60	0.50
19	8	39	100	30.94	12.04	13	4	2.29	0.52
20	5	33	80	22.87	11.00	14	4	1.34	0.34
21	8	63	100	19.17	7.22	21	4	1.84	0.46
22	10	38	100	39.67	14.15	13	4	1.90	0.24
23	7	38	100	27.79	11.46	13	4	1.58	0.24
24	11	43	100	38.57	13.08	14	4	1.76	0.24
25	4	38	80	15.90	8.37	16	4	1.80	0.08
26	5	26	60	29.01	14.19	14	4	2.02	0.37
27	7	36	100	29.33	12.15	12	4	1.60	0.19
28	10	16	100	93.82	37.92	5	4	1.68	0.26
29	7	48	100	22.01	8.93	16	4	1.69	0.19
30	3	30	100	15.10	9.16	10	3	2.28	0.29

Mean Dpar	= 1.87	Pooled Age (Ma)	= 31.9+/- 2.5
Mean Dper	= 0.29	Mean Age (Ma)	= 34.2+/- 3.4
Chi-squared	= 39.898	W.Mean Age (Ma)	= 25.2+/- 2.2
Chi-squared prob	= 0.086	Median Age (Ma)	= 30.6- 2.1+ 2.2

Durango-C(1) (age standard)

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	21	100	14.27	10.57	7	4	1.98	0.25
2	3	32	100	14.05	8.49	11	4	2.18	0.24
3	9	34	100	39.59	14.89	11	4	2.00	0.40
4	11	48	100	34.29	11.51	16	4	2.41	0.53
5	7	41	100	25.56	10.48	14	4	2.17	0.23
6	6	34	100	26.42	11.72	11	4	2.23	0.29
7	7	53	100	19.78	7.98	18	4	2.22	0.28
8	8	51	100	23.49	8.96	17	4	2.05	0.38
9	8	41	100	29.21	11.32	14	4	1.60	0.28
10	8	54	100	22.19	8.43	18	4	2.08	0.25
11	6	39	100	23.04	10.13	13	4	1.69	0.30
12	7	50	100	20.97	8.48	17	4	1.87	0.32
13	10	48	100	31.18	10.88	16	4	1.58	0.25
14	6	40	100	22.46	9.86	13	4	2.08	0.18
15	6	42	100	21.40	9.36	14	4	2.03	0.24
16	13	38	100	51.12	16.49	13	4	1.76	0.34
17	8	35	100	34.20	13.44	12	4	1.81	0.32
18	5	37	100	20.24	9.66	12	4	1.90	0.23
19	11	42	100	39.17	13.32	14	4	1.68	0.29
20	10	57	100	26.27	9.04	19	4	1.97	0.38
21	6	45	100	19.97	8.70	15	4	1.69	0.32
22	14	49	100	42.72	13.01	16	4	2.06	0.25
23	3	37	100	12.15	7.30	12	4	1.96	0.16
24	11	29	100	56.65	20.13	10	4	1.70	0.32
25	6	37	100	24.28	10.71	12	4	2.03	0.28

Mean Dpar	= 1.95	Pooled Age (Ma)	= 27.7+/- 2.3
Mean Dper	= 0.29	Mean Age (Ma)	= 27.8+/- 2.4
Chi-squared	= 20.814	W.Mean Age (Ma)	= 24.0+/- 2.1
Chi-squared prob	= 0.650	Median Age (Ma)	= 24.3- 1.0+ 3.0

02-EP-01
497-01

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	6	25	61.50	50.25	6	2	2.83	0.52
2	2	7	16	52.75	42.32	12	2	2.61	1.00
3	3	8	20	69.15	46.86	11	2	2.99	0.49
4	2	11	30	33.62	25.86	10	2	2.13	0.99
5	2	11	35	33.62	25.86	8	3	2.72	0.58
6	2	7	24	52.75	42.32	8	3	1.79	0.28
7	2	17	36	21.77	16.29	13	2	2.73	0.59
8	2	7	25	52.75	42.32	8	2	2.60	0.57
9	4	13	30	56.79	32.52	12	4	2.39	0.62
10	3	11	30	50.36	32.84	10	3	2.43	0.43
11	5	22	50	42.00	20.84	12	3	2.44	0.63
12	5	20	40	46.18	23.13	13	4	2.47	0.70
13	3	11	20	50.36	32.84	15	3	1.63	0.47
14	4	13	30	56.79	32.52	12	4	2.26	0.52
15	4	9	20	81.87	49.26	12	4	2.96	0.51
16	2	8	30	46.18	36.54	7	2	2.30	0.53
17	5	14	32	65.87	34.37	12	4	2.33	0.30
18	2	7	18	52.75	42.32	10	2	2.37	0.67
19	3	15	25	36.97	23.41	16	3	2.43	0.75
20	3	11	35	50.36	32.84	8	3	2.32	0.35
21	3	10	20	55.38	36.49	13	3	2.53	0.92
22	4	15	40	49.25	27.75	10	3	2.45	1.20
23	3	9	25	61.50	41.04	10	3	2.32	0.35
24	3	11	25	50.36	32.84	12	4	2.39	0.61
25	4	9	18	81.87	49.26	13	4	2.79	0.66
26	3	11	32	50.36	32.84	9	3	2.07	0.52
27	6	15	36	73.73	35.68	11	4	2.76	0.87
28	2	29	50	12.77	9.35	16	1	1.72	0.18
29	5	29	70	31.89	15.47	11	4	2.30	0.42
30	6	27	90	41.07	18.57	8	4	2.67	0.66
31	5	20	60	46.18	23.13	9	3	2.13	0.21
32	3	8	25	69.15	46.86	9	3	2.54	0.35
33	2	7	18	52.75	42.32	10	1	2.41	0.33
34	7	21	30	61.50	26.90	19	4	2.47	0.61
35	3	18	40	30.82	19.24	12	4	2.58	0.57
36	8	19	40	77.59	32.78	13	4	1.81	0.19
37	7	19	80	67.94	30.11	6	4	2.16	0.33
38	3	21	21	26.43	16.33	27	4	2.73	0.99
39	3	7	28	78.97	54.54	7	2	2.36	0.75
40	2	9	32	41.07	32.13	8	2	2.53	0.80

Mean Dpar	= 2.41	Pooled Age (Ma)	= 48.4+/- 4.8
Mean Dper	= 0.57	Mean Age (Ma)	= 51.9+/- 3.0
Chi-squared	= 14.778	W.Mean Age (Ma)	= 38.3+/- 4.2
Chi-squared prob	= 1.000	Median Age (Ma)	= 51.6- 2.4+ 2.4

02-EP-04a
497-02

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	7	49	52.77	42.34	4	3	1.64	0.19
2	2	19	56	19.49	14.50	9	4	1.71	0.21
3	10	15	28	122.46	50.12	14	4	2.41	0.65
4	1	3	50	61.52	71.06	2	3	1.83	0.29
5	6	25	100	44.35	20.20	7	4	2.14	0.68
6	11	24	50	84.44	30.84	13	4	2.20	0.42
7	6	21	90	52.77	24.47	6	4	2.50	0.49
8	12	51	100	43.49	14.01	14	4	2.24	0.80
9	1	15	70	12.35	12.76	6	1	1.76	0.30
10	1	10	36	18.52	19.43	7	2	1.40	0.20
11	8	25	60	59.07	24.06	11	4	2.11	0.61
12	2	14	100	26.44	20.00	4	1	2.25	0.28
13	7	29	80	44.61	18.83	10	4	3.45	1.17
14	1	9	25	20.57	21.69	10	1	1.74	0.25
15	10	35	100	52.77	18.98	9	4	2.10	0.44
16	7	15	42	85.96	39.43	10	4	1.88	0.28
17	1	9	36	20.57	21.69	7	4	2.11	0.25
18	3	17	90	32.64	20.46	5	4	2.17	0.24
19	8	23	36	64.18	26.41	17	4	1.97	0.49
20	2	19	56	19.49	14.50	9	2	1.88	0.38
21	1	7	80	26.44	28.27	2	1	1.87	0.25
22	2	18	80	20.57	15.34	6	3	1.50	0.11
23	4	26	50	28.47	15.31	14	3	1.86	0.34
24	9	65	36	25.63	9.14	48	2	1.86	0.26
25	3	11	64	50.38	32.85	5	2	2.20	0.33
26	11	86	80	23.68	7.61	29	3	2.13	0.16
27	2	7	100	52.77	42.34	2	2	2.01	0.58
28	7	63	100	20.57	8.22	17	2	1.68	0.14
29	8	21	100	70.26	29.26	6	3	1.94	0.38
30	4	13	40	56.81	32.52	9	2	1.63	0.12
31	2	19	30	19.49	14.50	17	2	1.57	0.14
32	2	19	64	19.49	14.50	8	2	2.00	0.38
33	2	24	80	15.43	11.37	8	2	1.71	0.10
34	3	13	100	42.65	27.35	3	2	2.12	0.51
35	3	19	100	29.21	18.17	5	3	1.54	0.42
36	1	5	30	36.98	40.53	4	1	1.86	0.34
37	6	9	36	122.46	64.64	7	4	2.30	0.66
38	3	12	50	46.19	29.85	6	1	1.85	0.05
39	4	13	60	56.81	32.52	6	3	2.48	0.72
40	11	38	36	53.46	18.37	28	4	2.19	0.48

Mean Dpar	= 1.99	Pooled Age (Ma)	= 40.0+/- 3.4
Mean Dper	= 0.38	Mean Age (Ma)	= 44.0+/- 4.4
Chi-squared	= 46.239	W.Mean Age (Ma)	= 29.3+/- 2.9
Chi-squared prob	= 0.198	Median Age (Ma)	= 43.1- 5.3+ 2.9

02-EP-05a
497-03

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	9	48	41.09	32.14	5	4	2.00	0.18
2	16	117	24	25.32	6.79	131	4	2.48	0.82
3	2	9	30	41.09	32.14	8	2	2.00	0.61
4	4	17	36	43.50	24.21	13	4	2.53	0.51
5	6	21	20	52.78	24.48	28	4	2.03	0.51
6	3	26	80	21.37	13.04	9	4	2.03	0.34
7	5	19	36	48.63	24.48	14	4	1.67	0.12
8	1	7	36	26.44	28.28	5	1	2.86	0.56
9	3	15	64	36.99	23.42	6	4	1.64	0.53
10	8	33	80	44.81	17.71	11	4	2.19	0.66
11	7	14	36	92.08	42.71	10	4	2.16	0.89
12	2	9	35	41.09	32.14	7	2	2.80	0.62
13	12	27	80	81.92	28.52	9	4	2.36	0.47
14	26	133	35	36.16	7.83	102	4	2.04	0.52
15	6	29	80	38.26	17.20	10	4	2.11	0.43
16	2	25	80	14.82	10.90	8	4	1.90	0.68
17	4	19	60	38.93	21.45	8	2	1.97	0.15
18	6	29	60	38.26	17.20	13	3	2.01	0.58
19	7	21	50	61.53	26.92	11	1	1.83	0.56
20	5	18	25	51.32	25.99	19	4	2.34	0.75
21	8	27	48	54.73	22.09	15	4	2.18	0.53
22	3	11	36	50.39	32.85	8	4	2.12	0.59
23	2	29	50	12.78	9.35	16	2	2.34	0.82
24	5	14	25	65.91	34.39	15	4	2.19	0.58
25	2	9	50	41.09	32.14	5	3	2.18	0.40
26	4	19	35	38.93	21.45	15	4	2.37	0.72
27	15	117	80	23.74	6.55	39	4	2.24	0.52
28	14	63	80	41.09	12.20	21	4	2.36	0.66
29	4	12	40	61.53	35.57	8	4	2.00	0.43
30	3	15	24	36.99	23.42	17	1	2.27	0.67
31	2	11	25	33.64	25.88	12	2	2.01	0.37
32	3	11	25	50.39	32.85	12	3	1.85	0.35
33	13	65	50	36.99	11.29	35	4	1.78	0.42
34	4	13	30	56.82	32.53	12	3	1.88	0.34
35	5	32	64	28.92	13.93	13	4	1.80	0.48
36	34	153	21	41.09	7.88	195	4	2.27	0.47
37	7	24	48	53.87	23.20	13	4	2.23	0.71
38	7	19	49	67.98	30.12	10	4	1.98	0.54
39	7	67	70	19.35	7.71	26	2	2.78	0.40
40	8	71	40	20.87	7.81	48	1	2.58	0.68

Mean Dpar	= 2.16	Pooled Age (Ma)	= 37.2+/- 2.7
Mean Dper	= 0.53	Mean Age (Ma)	= 42.9+/- 3.0
Chi-squared	= 35.243	W.Mean Age (Ma)	= 30.9+/- 2.4
Chi-squared prob	= 0.642	Median Age (Ma)	= 41.1- 1.5+ 2.6

02-EP-06a
497-04

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	10	41	64	45.09	15.96	17	4	1.70	0.51
2	9	33	80	50.40	19.01	11	4	1.93	0.16
3	10	31	80	59.57	21.74	10	4	1.96	0.37
4	7	29	100	44.63	18.84	8	3	1.98	0.39
5	6	24	60	46.22	21.14	11	4	2.01	0.35
6	4	16	56	46.22	25.87	8	3	2.56	0.56
7	2	13	36	28.48	21.65	10	2	1.73	0.42
8	5	21	40	44.02	21.95	14	4	2.53	0.71
9	6	13	28	85.07	42.06	12	4	1.86	0.40
10	3	15	40	37.00	23.43	10	1	2.56	0.73
11	8	10	48	146.74	69.74	6	4	1.76	0.26
12	8	21	64	70.30	29.28	9	4	1.94	0.40
13	6	12	36	92.11	46.13	9	4	1.92	0.35
14	4	20	48	37.00	20.30	11	4	2.05	0.29
15	7	29	70	44.63	18.84	11	4	2.21	0.62
16	7	10	20	128.58	63.48	13	2	2.08	0.33
17	1	4	48	46.22	51.69	2	1	1.76	0.77
18	5	18	64	51.33	25.99	8	3	2.34	0.47
19	1	8	50	23.15	24.56	4	1	1.83	0.89
20	6	19	70	58.33	27.37	7	4	2.13	0.45
21	5	9	28	102.26	57.12	9	4	2.07	0.54
22	3	15	64	37.00	23.43	6	3	2.13	0.53
23	7	27	64	47.92	20.37	11	4	1.99	0.34
24	4	9	64	81.94	49.30	4	4	1.97	0.34
25	7	23	64	56.22	24.32	10	3	2.24	0.44
26	6	17	48	65.15	31.00	9	4	2.07	0.53
27	7	19	64	67.99	30.13	8	2	2.54	0.70
28	5	34	100	27.23	13.07	9	4	2.08	0.44
29	5	27	64	34.27	16.71	11	3	2.64	0.48
30	7	37	56	35.01	14.46	18	4	1.94	0.49
31	9	29	60	57.32	21.94	13	4	2.37	0.65
32	3	8	24	69.20	46.89	9	2	2.52	1.06
33	0	14	60	0.00	13.71	6	1	2.20	0.25
34	3	13	48	42.67	27.36	7	4	1.99	0.37
35	3	15	64	37.00	23.43	6	2	3.17	0.90
36	7	31	70	41.76	17.52	12	4	2.05	0.48
37	2	21	80	17.65	13.07	7	3	2.26	0.44
38	8	17	50	86.72	37.27	9	4	2.52	0.56
39	6	17	48	65.15	31.00	9	4	2.08	0.51
40	8	33	60	44.82	17.71	15	4	2.36	0.49

Mean Dpar	= 2.15	Pooled Age (Ma)	= 50.7+/- 4.1
Mean Dper	= 0.50	Mean Age (Ma)	= 55.1+/- 4.8
Chi-squared	= 30.804	W.Mean Age (Ma)	= 40.7+/- 3.7
Chi-squared prob	= 0.823	Median Age (Ma)	= 46.2- 2.2+ 4.8

02-EP-07a
497-05

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	17	44	100	71.31	20.47	12	4	2.97	0.99
2	10	39	100	47.41	16.86	10	4	2.80	0.87
3	10	23	60	80.19	30.46	10	4	2.51	0.53
4	7	21	60	61.57	26.93	9	3	1.64	0.30
5	2	19	50	19.51	14.51	10	2	1.73	0.31
6	1	23	80	8.06	8.24	8	1	2.03	0.28
7	9	41	100	40.61	15.00	11	4	2.40	1.06
8	7	14	40	92.13	42.73	9	4	3.39	1.03
9	2	18	35	20.59	15.36	14	4	1.98	0.78
10	5	25	48	37.01	18.16	14	3	2.63	1.08
11	10	22	64	83.81	32.06	9	4	2.83	0.68
12	3	16	36	34.70	21.86	12	3	1.87	0.34
13	4	32	60	23.16	12.30	14	4	1.61	0.39
14	3	10	80	55.44	36.53	3	2	2.12	0.31
15	4	10	60	73.81	43.72	4	4	2.88	0.38
16	9	39	100	42.68	15.83	10	4	2.78	0.70
17	4	17	60	43.52	24.22	8	4	2.79	0.76
18	4	13	48	56.85	32.55	7	3	2.12	0.31
19	2	10	60	37.01	28.69	4	2	1.98	0.59
20	8	29	80	50.99	20.42	10	4	2.50	0.87
21	13	45	80	53.39	16.88	15	3	2.48	0.81
22	13	43	100	55.86	17.76	12	4	2.94	0.87
23	3	14	36	39.65	25.25	10	4	1.94	0.31
24	7	37	100	35.01	14.47	10	4	1.96	0.30
25	12	35	100	63.32	21.26	9	4	2.81	1.00
26	6	21	60	52.81	24.49	9	1	1.91	0.70
27	3	30	80	18.53	11.23	10	2	1.64	0.33
28	10	30	80	61.57	22.55	10	4	1.93	0.53
29	16	77	42	38.45	10.62	49	4	2.60	0.78
30	7	28	100	46.23	19.58	8	2	2.47	0.21
31	7	20	100	64.63	28.45	5	4	1.98	0.84
32	15	29	100	95.28	30.43	8	4	2.61	0.82
33	8	35	100	42.28	16.61	9	4	2.60	1.08
34	2	9	40	41.11	32.16	6	2	1.96	0.33
35	3	25	48	22.23	13.60	14	2	3.11	1.38
36	3	14	35	39.65	25.25	11	2	1.81	0.19
37	1	22	90	8.43	8.62	7	1	1.59	0.31
38	3	25	80	22.23	13.60	8	4	1.81	0.30
39	5	20	54	46.23	23.15	10	4	2.10	0.29
40	6	33	80	33.65	14.97	11	4	2.38	0.76

Mean Dpar	= 2.31	Pooled Age (Ma)	= 46.2+/- 3.5
Mean Dper	= 0.62	Mean Age (Ma)	= 46.6+/- 3.7
Chi-squared	= 38.560	W.Mean Age (Ma)	= 33.1+/- 2.9
Chi-squared prob	= 0.490	Median Age (Ma)	= 43.1- 2.0+ 3.8

02-EP-08
497-06

No grain ages.

02-EP-09a
497-07

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	20	53	30	69.67	18.40	47	4	1.80	0.54
2	36	131	36	50.81	9.68	98	4	1.68	0.47
3	9	31	20	53.67	20.38	42	4	1.97	0.30
4	17	99	56	31.80	8.40	47	4	1.90	0.28
5	27	138	80	36.22	7.69	46	4	1.35	0.37
6	18	107	36	31.15	7.99	80	4	2.04	0.72
7	16	98	100	30.24	8.20	26	4	2.10	0.52
8	4	21	24	35.26	19.26	23	3	1.53	0.31
9	12	89	42	24.98	7.72	57	4	1.68	0.29
10	4	27	24	27.44	14.72	30	4	2.08	0.49
11	9	29	28	57.35	21.95	28	4	2.64	0.62
12	69	213	36	59.85	8.47	159	4	2.17	0.38
13	17	97	80	32.45	8.59	32	4	1.58	0.42
14	8	31	40	47.73	18.98	21	4	1.71	0.24
15	13	56	15	42.95	13.28	100	2	1.45	0.30
16	11	117	100	17.43	5.52	31	2	1.83	0.33
17	41	155	100	48.92	8.71	42	4	1.53	0.39
18	8	65	80	22.81	8.57	22	4	1.77	0.39
19	30	147	100	37.77	7.65	39	4	1.71	0.35
20	9	38	48	43.82	16.29	21	4	1.31	0.24
21	25	94	48	49.18	11.16	52	4	1.47	0.39
22	37	155	100	44.16	8.18	42	4	1.85	0.20
23	10	85	48	21.80	7.32	47	4	2.13	0.57
24	6	49	36	22.69	9.84	36	3	1.72	0.53
25	18	105	25	31.74	8.15	113	4	1.63	0.45
26	0	3	60	0.00	71.13	1	1	1.31	0.39
27	22	101	40	40.31	9.56	68	4	1.77	0.38
28	13	64	50	37.60	11.49	34	2	1.86	0.24
29	6	32	60	34.71	15.48	14	4	1.88	0.26
30	2	9	80	41.12	32.17	3	4	2.04	0.30
31	15	98	40	28.35	7.90	66	4	1.71	0.54
32	26	107	30	44.95	9.92	96	4	1.84	0.77
33	3	51	48	10.91	6.49	28	3	1.33	0.25
34	8	49	60	30.24	11.56	22	4	1.92	0.39
35	14	83	42	31.24	9.07	53	4	1.68	0.29
36	14	75	40	34.56	10.11	50	4	2.01	0.43
37	9	36	40	46.24	17.29	24	2	1.72	0.33
38	24	56	48	79.07	19.43	31	4	1.84	0.54
39	13	43	35	55.88	17.76	33	4	1.52	0.26
40	18	72	40	46.24	12.26	48	4	1.78	0.33

Mean Dpar	= 1.77	Pooled Age (Ma)	= 39.3+/- 2.0
Mean Dper	= 0.40	Mean Age (Ma)	= 38.3+/- 2.7
Chi-squared	= 61.656	W.Mean Age (Ma)	= 33.7+/- 1.8
Chi-squared prob	= 0.012	Median Age (Ma)	= 36.9- 1.6+ 2.4

02-EP-10a
497-08

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	5	9	40	102.34	57.16	6	2	1.99	0.24
2	46	234	100	36.40	5.97	63	4	2.05	0.61
3	37	157	48	43.61	8.07	88	4	2.20	0.57
4	9	47	36	35.46	12.94	35	3	1.77	0.19
5	8	37	24	40.02	15.65	41	4	1.68	0.34
6	12	39	48	56.88	18.85	22	4	1.97	0.40
7	8	21	40	70.35	29.30	14	4	1.74	0.37
8	2	17	70	21.81	16.31	7	3	1.83	0.33
9	24	122	50	36.42	8.20	65	4	1.90	0.34
10	25	121	30	38.25	8.48	108	4	2.32	0.62
11	15	109	40	25.50	7.06	73	4	1.74	0.34
12	8	16	100	92.18	40.00	4	3	1.59	0.09
13	11	123	25	16.58	5.24	132	4	1.70	0.44
14	22	106	60	38.42	9.07	47	4	1.58	0.21
15	20	117	36	31.66	7.72	87	4	2.28	0.92
16	66	446	100	27.42	3.70	120	4	2.00	0.24
17	31	101	90	56.74	11.77	30	4	2.06	0.61
18	40	236	100	31.39	5.45	63	4	1.73	0.24
19	12	66	32	33.67	10.61	55	4	2.03	0.59
20	10	44	50	42.06	14.79	24	4	1.85	0.35
21	38	129	35	54.46	10.18	99	4	2.13	0.48
22	29	232	100	23.17	4.61	62	1	2.19	0.16
23	7	59	100	21.99	8.82	16	4	1.61	0.19
24	40	234	100	31.66	5.50	63	4	1.61	0.24
25	16	98	70	30.24	8.20	38	4	1.50	0.18
26	11	47	50	43.31	14.56	25	4	1.77	0.51
27	9	41	40	40.63	15.00	27	4	1.59	0.28
28	15	110	60	25.27	6.99	49	4	2.00	0.23
29	3	28	54	19.86	12.08	14	4	1.87	0.52
30	14	66	36	39.27	11.61	49	4	2.17	0.59
31	15	96	50	28.95	8.08	51	4	1.98	0.52
32	15	91	70	30.53	8.56	35	4	1.81	0.29
33	10	39	48	47.43	16.87	22	4	2.14	0.53
34	7	85	80	15.27	6.02	28	4	1.50	0.24
35	10	97	64	19.11	6.37	41	4	1.83	0.44
36	8	47	30	31.53	12.09	42	4	2.47	0.80
37	11	56	60	36.37	12.04	25	4	1.45	0.30
38	12	71	32	31.31	9.81	59	4	1.76	0.33
39	8	61	50	24.31	9.17	33	2	1.77	0.34
40	16	69	80	42.91	11.97	23	4	2.24	0.45

Mean Dpar	= 1.88	Pooled Age (Ma)	= 33.3+/- 1.7
Mean Dper	= 0.39	Mean Age (Ma)	= 37.9+/- 3.1
Chi-squared	= 61.779	W.Mean Age (Ma)	= 29.8+/- 1.6
Chi-squared prob	= 0.012	Median Age (Ma)	= 34.6- 1.9+ 1.9

02-EP-11
497-09

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	14	139	64	18.68	5.27	58	4	1.63	0.42
2	3	9	40	61.61	41.11	6	2	1.59	0.52
3	6	23	48	48.27	22.17	13	4	2.16	0.47
4	3	10	24	55.48	36.56	11	2	2.48	0.70
5	1	10	21	18.55	19.46	13	1	2.07	0.72
6	4	14	30	52.85	30.00	13	4	2.39	0.71
7	4	18	25	41.14	22.77	19	4	1.99	0.35
8	5	17	45	54.39	27.72	10	4	1.90	0.33
9	1	22	48	8.44	8.63	12	4	2.20	0.70
10	21	107	20	36.35	8.74	143	4	1.67	0.48
11	7	25	54	51.79	22.20	12	4	2.01	0.48
12	3	21	48	26.48	16.36	12	4	2.16	0.62
13	8	56	25	26.48	10.04	60	4	1.76	0.33
14	10	41	36	45.14	15.98	31	4	2.76	1.09
15	2	17	36	21.81	16.32	13	2	2.77	0.87
16	3	11	30	50.45	32.90	10	4	2.33	0.67
17	4	16	25	46.26	25.90	17	4	2.24	0.94
18	5	21	40	44.07	21.97	14	4	2.80	0.89
19	2	9	60	41.14	32.18	4	2	2.11	0.34
20	3	18	49	30.88	19.28	10	4	2.44	0.25
21	5	17	24	54.39	27.72	19	2	1.70	0.21
22	7	16	36	80.75	36.67	12	4	2.20	0.59
23	10	33	100	56.04	20.29	9	4	2.54	0.75
24	5	17	50	54.39	27.72	9	4	2.50	0.66
25	3	12	28	46.26	29.89	11	3	2.19	0.34
26	4	13	36	56.89	32.57	10	2	2.13	0.56
27	3	8	36	69.27	46.94	6	3	2.32	0.62
28	4	19	25	38.98	21.47	20	4	1.94	0.56
29	7	23	36	56.28	24.35	17	4	2.51	0.51
30	1	5	36	37.04	40.59	4	3	1.78	0.24
31	4	13	40	56.89	32.57	9	3	1.80	0.44
32	4	13	60	56.89	32.57	6	4	2.60	0.85
33	2	28	40	13.25	9.71	19	4	2.12	0.73
34	5	23	49	40.25	19.90	13	3	3.11	1.10
35	7	24	42	53.94	23.23	15	4	2.73	0.87
36	8	32	60	46.26	18.34	14	4	2.53	0.49
37	3	13	35	42.72	27.39	10	4	2.72	0.94
38	4	15	36	49.34	27.80	11	2	1.77	0.44
39	3	18	80	30.88	19.28	6	3	2.27	0.39
40	4	27	70	27.46	14.73	10	4	1.52	0.31

Mean Dpar	= 2.21	Pooled Age (Ma)	= 38.4+/- 3.2
Mean Dper	= 0.59	Mean Age (Ma)	= 43.7+/- 2.8
Chi-squared	= 27.160	W.Mean Age (Ma)	= 29.5+/- 2.7
Chi-squared prob	= 0.924	Median Age (Ma)	= 46.3- 3.0+ 1.9

02-EP-12a
497-10

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	19	89	70	39.54	10.06	34	4	1.67	0.24
2	4	18	25	41.15	22.78	19	3	1.80	0.47
3	2	27	36	13.75	10.08	20	2	2.32	0.44
4	4	22	49	33.69	18.34	12	3	2.01	0.16
5	6	35	28	31.77	14.07	33	4	1.65	0.35
6	24	81	36	54.81	12.84	60	4	1.87	0.54
7	4	27	64	27.46	14.74	11	2	1.84	0.40
8	7	43	64	30.17	12.33	18	3	1.93	0.30
9	7	85	100	15.28	6.03	23	4	1.53	0.11
10	7	24	56	53.96	23.23	11	4	1.55	0.31
11	6	66	100	16.87	7.21	18	4	1.45	0.26
12	6	25	60	44.43	20.24	11	4	1.61	0.28
13	1	17	70	10.92	11.24	7	3	1.60	0.43
14	5	13	21	71.06	37.45	17	2	1.45	0.26
15	7	35	36	37.05	15.38	26	4	1.63	0.49
16	9	52	48	32.07	11.62	29	4	1.85	0.28
17	23	129	40	33.04	7.54	86	4	2.27	0.95
18	7	30	80	43.20	18.18	10	3	1.70	0.33
19	9	52	60	32.07	11.62	23	4	1.86	0.53
20	4	34	60	21.82	11.55	15	3	1.97	0.34
21	19	110	30	32.01	8.01	98	2	2.43	0.70
22	4	20	40	37.05	20.32	13	2	1.85	0.26
23	6	45	60	24.72	10.77	20	4	1.76	0.35
24	23	160	60	26.65	5.99	71	4	2.06	0.38
25	4	29	50	25.57	13.66	16	1	1.59	0.48
26	6	61	56	18.25	7.83	29	4	2.07	0.45
27	9	61	100	27.35	9.80	16	3	2.17	0.26
28	8	49	100	30.26	11.57	13	4	2.26	0.38
29	4	41	70	18.10	9.50	16	4	1.63	0.40
30	4	43	70	17.26	9.04	16	3	1.58	0.30
31	41	247	100	30.76	5.27	66	3	2.00	0.43
32	12	95	100	23.42	7.21	25	4	1.80	0.49
33	10	49	40	37.80	13.16	33	3	1.78	0.33
34	21	150	48	25.96	6.10	84	4	1.93	0.66
35	4	17	80	43.56	24.24	6	2	1.77	0.23
36	28	140	50	37.05	7.75	75	4	1.96	0.56
37	9	44	80	37.89	13.91	15	2	1.96	0.18
38	7	63	100	20.61	8.23	17	4	1.59	0.29
39	13	75	80	32.12	9.70	25	4	1.92	0.33
40	3	17	80	32.70	20.50	6	3	1.71	0.39

Mean Dpar	= 1.83	Pooled Age (Ma)	= 30.3+/- 1.9
Mean Dper	= 0.38	Mean Age (Ma)	= 31.6+/- 2.1
Chi-squared	= 31.495	W.Mean Age (Ma)	= 27.1+/- 1.7
Chi-squared prob	= 0.798	Median Age (Ma)	= 31.9- 1.9+ 1.3

02-EP-13a
497-11

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	12	61	100	36.45	11.56	16	4	2.30	0.70
2	5	34	63	27.27	13.09	14	3	2.76	0.40
3	2	10	20	37.06	28.72	13	2	2.63	1.15
4	7	27	48	48.00	20.41	15	4	2.44	0.70
5	1	13	49	14.28	14.82	7	3	3.04	0.91
6	6	22	72	50.48	23.30	8	3	1.68	0.45
7	5	21	70	44.09	21.98	8	3	1.79	0.40
8	7	37	48	35.06	14.49	21	4	1.90	0.39
9	5	16	70	57.81	29.67	6	4	2.39	0.48
10	4	27	60	27.47	14.74	12	3	1.74	0.37
11	2	14	60	26.49	20.04	6	2	1.57	0.31
12	10	33	80	56.06	20.30	11	4	2.60	0.65
13	5	16	25	57.81	29.67	17	1	2.58	0.72
14	11	37	100	55.01	18.96	10	4	2.97	1.18
15	1	8	36	23.19	24.60	6	1	2.80	0.91
16	6	21	60	52.87	24.52	9	4	2.87	0.87
17	7	23	60	56.31	24.36	10	4	2.52	0.48
18	0	5	45	0.00	40.61	3	1	2.81	0.70
19	15	99	48	28.09	7.83	55	4	2.59	0.89
20	9	42	100	39.70	14.63	11	2	1.48	0.20
21	3	12	28	46.29	29.91	11	2	2.27	0.34
22	2	10	40	37.06	28.72	7	2	2.99	0.70
23	5	22	60	42.09	20.89	10	3	1.71	0.65
24	6	31	60	35.86	16.03	14	4	2.51	0.95
25	5	23	36	40.27	19.91	17	4	2.27	0.61
26	48	276	100	32.24	5.13	74	4	2.24	0.53
27	15	31	70	89.29	28.21	12	4	2.40	0.68
28	3	16	70	34.75	21.88	6	4	2.56	0.82
29	38	148	36	47.53	8.76	110	4	2.40	0.68
30	7	20	48	64.71	28.48	11	3	2.48	0.37
31	2	23	80	16.14	11.91	8	1	2.17	0.44
32	11	65	100	31.37	10.27	17	4	2.39	0.72
33	3	26	48	21.40	13.07	15	4	2.67	0.87
34	7	21	90	61.64	26.96	6	4	2.66	0.47
35	13	31	50	77.46	25.69	17	4	2.04	0.68
36	5	33	70	28.09	13.51	13	2	2.71	0.57
37	3	19	40	29.27	18.21	13	4	3.49	0.85
38	9	33	80	50.48	19.04	11	1	2.12	0.18
39	6	35	100	31.78	14.07	9	4	2.37	0.80
40	10	45	40	41.16	14.44	30	4	2.39	0.90

Mean Dpar	= 2.41	Pooled Age (Ma)	= 40.0+/- 2.7
Mean Dper	= 0.64	Mean Age (Ma)	= 40.8+/- 3.0
Chi-squared	= 31.180	W.Mean Age (Ma)	= 35.3+/- 2.5
Chi-squared prob	= 0.809	Median Age (Ma)	= 38.4- 2.3+ 3.2

02-EP-14
497-12

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	10	41	100	45.17	15.99	11	4	2.06	0.53
2	3	21	42	26.50	16.37	13	3	2.41	0.54
3	8	24	40	61.66	25.24	16	4	2.93	0.77
4	11	28	64	72.61	25.92	12	4	2.39	0.58
5	2	15	100	24.73	18.63	4	2	2.28	0.71
6	5	13	50	71.09	37.47	7	4	2.12	0.48
7	8	35	100	42.34	16.64	9	4	2.36	0.67
8	53	482	100	20.41	3.01	129	4	2.11	0.65
9	21	125	36	31.15	7.40	93	4	3.39	1.13
10	6	25	80	44.45	20.25	8	4	2.67	0.85
11	55	172	64	59.16	9.33	72	4	3.11	0.84
12	3	20	80	27.82	17.24	7	4	3.33	1.12
13	8	56	54	26.50	10.05	28	4	2.40	0.52
14	21	115	80	33.85	8.09	38	4	2.25	0.54
15	3	11	48	50.49	32.92	6	4	2.72	0.82
16	10	27	100	68.47	25.43	7	4	2.73	0.94
17	6	29	100	38.34	17.23	8	4	3.73	1.18
18	9	39	42	42.75	15.86	25	4	2.59	1.04
19	13	44	80	54.68	17.34	15	4	2.59	0.63
20	9	26	100	64.02	24.83	7	4	2.54	0.81
21	6	25	32	44.45	20.25	21	4	2.47	0.61
22	11	44	100	46.30	15.67	12	3	2.19	0.56
23	6	33	50	33.71	14.99	18	4	2.58	0.67
24	11	37	90	55.02	18.96	11	3	1.67	0.70
25	8	35	64	42.34	16.64	15	4	2.41	0.62
26	6	35	100	31.78	14.07	9	3	1.80	0.35
27	6	23	80	48.31	22.19	8	3	2.43	0.65
28	4	49	40	15.15	7.89	33	4	3.07	0.95
29	6	20	48	55.52	25.89	11	4	2.44	0.77
30	37	157	40	43.65	8.08	105	4	2.73	1.09
31	10	43	80	43.08	15.18	14	4	2.96	1.09
32	7	24	100	53.98	23.24	6	4	2.31	0.68
33	6	35	100	31.78	14.07	9	2	1.94	0.38
34	20	130	100	28.53	6.90	35	3	2.59	0.59
35	6	27	60	41.17	18.62	12	4	1.90	0.40
36	9	45	100	37.07	13.58	12	4	2.39	0.63
37	4	21	64	35.31	19.29	9	4	2.38	0.67
38	14	36	100	71.88	22.74	10	4	2.36	0.65
39	6	20	80	55.52	25.89	7	4	2.60	0.89
40	7	37	70	35.07	14.49	14	4	2.40	0.67

Mean Dpar	= 2.51	Pooled Age (Ma)	= 37.8+/- 2.2
Mean Dper	= 0.72	Mean Age (Ma)	= 43.9+/- 2.7
Chi-squared	= 57.782	W.Mean Age (Ma)	= 31.4+/- 2.0
Chi-squared prob	= 0.027	Median Age (Ma)	= 42.9- 2.4+ 2.8

02-EP-15a
497-13

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	18	123	49	27.15	6.90	67	4	2.07	0.37
2	16	73	30	40.62	11.28	65	4	2.18	0.62
3	7	31	32	41.84	17.55	26	4	2.37	0.71
4	3	35	30	15.92	9.59	31	3	2.25	0.33
5	5	37	35	25.07	11.97	28	3	1.66	0.53
6	6	16	20	69.34	33.26	21	4	2.18	0.45
7	19	124	36	28.42	7.05	92	4	2.24	0.67
8	6	33	35	33.71	15.00	25	4	1.94	0.40
9	8	48	20	30.91	11.84	64	4	1.65	0.44
10	45	291	60	28.69	4.67	130	4	1.93	0.45
11	6	27	30	41.18	18.63	24	4	2.10	0.62
12	3	13	36	42.76	27.42	10	4	2.00	0.44
13	4	57	50	13.03	6.75	31	3	1.63	0.31
14	19	108	54	32.62	8.17	54	4	2.19	0.65
15	4	22	60	33.71	18.35	10	4	1.78	0.25
16	7	39	20	33.28	13.70	52	4	2.33	0.67
17	27	111	24	45.06	9.76	124	4	1.78	0.39
18	37	173	50	39.64	7.27	93	4	2.26	0.61
19	26	135	40	35.71	7.72	90	4	1.98	0.70
20	6	37	25	30.08	13.27	40	2	1.78	0.30
21	15	51	36	54.45	16.07	38	4	1.78	0.44
22	13	63	48	38.25	11.71	35	4	2.08	0.76
23	11	43	48	47.38	16.07	24	4	2.03	0.43
24	14	116	35	22.40	6.37	89	4	1.93	0.39
25	21	116	36	33.57	8.02	86	4	1.60	0.37
26	31	110	40	52.18	10.72	74	4	2.18	0.65
27	12	69	42	32.25	10.13	44	4	2.03	0.58
28	10	83	64	22.36	7.51	35	4	2.04	0.58
29	11	43	40	47.38	16.07	29	4	1.81	0.47
30	17	94	60	33.54	8.89	42	4	2.18	0.48
31	10	89	24	20.86	6.98	99	4	1.91	0.51
32	12	83	80	26.82	8.32	28	3	1.92	0.28
33	12	41	36	54.19	17.86	30	4	2.23	0.75
34	28	176	64	29.51	6.07	74	4	2.33	0.71
35	11	97	56	21.05	6.72	46	4	2.27	0.40
36	13	46	30	52.33	16.51	41	4	1.98	0.45
37	46	251	54	33.98	5.54	124	4	1.97	0.43
38	8	51	40	29.10	11.10	34	4	1.80	0.56
39	15	61	48	45.55	13.20	34	4	2.00	0.53
40	36	126	36	52.90	10.12	94	4	2.27	0.54

Mean Dpar	= 2.02	Pooled Age (Ma)	= 34.3+/- 1.8
Mean Dper	= 0.51	Mean Age (Ma)	= 36.0+/- 2.2
Chi-squared	= 43.538	W.Mean Age (Ma)	= 31.0+/- 1.7
Chi-squared prob	= 0.284	Median Age (Ma)	= 33.6- 1.2+ 2.4

02-EP-17a
497-14

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	10	53	100	34.99	12.11	14	2	2.08	0.47
2	6	43	70	25.90	11.31	16	4	2.30	0.45
3	11	97	64	21.05	6.73	41	4	2.03	0.21
4	12	49	60	45.38	14.68	22	4	1.77	0.40
5	7	56	80	23.20	9.33	19	4	1.81	0.49
6	7	58	50	22.40	8.99	31	2	1.93	0.30
7	8	67	42	22.17	8.32	43	4	1.81	0.26
8	2	21	56	17.69	13.10	10	2	1.80	0.35
9	7	33	80	39.33	16.41	11	4	1.91	0.34
10	18	56	60	59.50	16.21	25	4	1.73	0.14
11	14	68	90	38.17	11.26	20	4	1.57	0.38
12	10	62	60	29.92	10.24	28	4	1.90	0.33
13	2	19	100	19.55	14.54	5	3	1.44	0.28
14	8	43	60	34.50	13.32	19	4	2.05	0.49
15	3	22	49	25.31	15.59	12	2	1.90	0.24
16	6	36	49	30.92	13.66	20	4	1.64	0.39
17	5	23	30	40.30	19.92	21	4	1.83	0.45
18	19	97	42	36.32	9.17	62	3	2.00	0.43
19	10	53	100	34.99	12.11	14	4	1.60	0.29
20	2	30	30	12.39	9.05	27	2	1.85	0.34
21	9	35	54	47.64	17.86	17	4	1.68	0.45
22	5	26	36	35.66	17.45	19	4	1.51	0.35
23	4	25	80	29.69	16.01	8	4	1.74	0.30
24	4	27	80	27.49	14.75	9	4	1.73	0.40
25	42	188	32	41.41	7.17	157	4	1.96	0.68
26	12	37	32	60.03	20.02	31	4	1.58	0.18
27	5	58	48	16.01	7.48	32	4	1.68	0.45
28	26	160	32	30.15	6.44	134	3	2.12	0.61
29	3	22	32	25.31	15.59	18	2	1.80	0.24
30	15	47	60	59.08	17.61	21	4	2.00	0.65
31	15	116	36	24.00	6.62	86	4	1.85	0.43
32	7	82	80	15.86	6.26	27	4	2.14	0.48
33	15	44	100	63.09	18.95	12	4	1.66	0.35
34	41	92	40	82.35	15.65	62	4	2.27	0.48
35	12	89	50	25.02	7.73	48	4	2.14	0.53
36	7	36	60	36.06	14.93	16	3	1.93	0.61
37	11	46	64	44.32	14.93	19	3	1.73	0.49
38	9	99	32	16.88	5.90	83	4	1.90	0.47
39	4	31	36	23.95	12.74	23	2	1.66	0.24
40	8	61	50	24.34	9.18	33	2	1.79	0.26

Mean Dpar	= 1.85	Pooled Age (Ma)	= 33.8+/- 2.1
Mean Dper	= 0.39	Mean Age (Ma)	= 33.6+/- 2.6
Chi-squared	= 69.271	W.Mean Age (Ma)	= 27.7+/- 1.8
Chi-squared prob	= 0.002	Median Age (Ma)	= 30.0- 1.5+ 2.3

02-EP-19
497-15

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	2	32	183.37	183.45	2	3	2.31	1.19
2	3	8	50	69.38	47.01	4	4	1.68	0.57
3	1	7	36	26.52	28.36	5	1	2.31	0.45
4	6	11	16	100.67	51.18	18	4	2.38	0.54
5	3	5	80	110.65	80.87	2	4	2.67	0.86
6	5	31	36	29.93	14.45	23	3	1.67	0.30
7	1	6	28	30.93	33.42	6	4	1.47	0.28
8	4	18	40	41.20	22.81	12	4	2.25	0.51
9	2	17	16	21.85	16.34	28	3	1.57	0.20
10	2	15	15	24.75	18.65	27	4	1.71	0.33
11	2	5	20	73.98	61.93	7	4	1.88	0.51
12	3	11	16	50.53	32.95	18	4	1.92	0.62
13	2	15	60	24.75	18.65	7	3	2.71	0.85
14	3	8	25	69.38	47.01	9	4	2.56	0.99
15	2	10	42	37.09	28.75	6	2	2.06	0.76
16	2	12	36	30.93	23.64	9	2	2.13	1.13
17	4	9	25	82.14	49.42	10	4	2.03	0.71
18	5	14	25	66.09	34.49	15	3	2.05	0.42
19	2	9	18	41.20	32.23	13	4	1.74	0.37
20	3	13	42	42.78	27.43	8	3	3.56	1.06
21	2	8	30	46.33	36.66	7	2	2.07	0.29
22	3	8	30	69.38	47.01	7	3	2.32	0.80
23	1	6	40	30.93	33.42	4	1	2.08	0.52
24	2	6	12	61.71	50.42	13	2	2.31	0.73
25	1	5	20	37.09	40.65	7	2	1.47	0.24
26	6	27	80	41.20	18.64	9	4	2.91	0.99
27	2	5	18	73.98	61.93	7	3	1.39	0.19
28	4	17	35	43.62	24.27	13	4	2.39	0.90
29	2	17	30	21.85	16.34	15	3	1.41	0.21
30	2	9	28	41.20	32.23	9	2	2.36	0.11
31	2	6	24	61.71	50.42	7	2	2.03	0.51
32	1	6	14	30.93	33.42	11	2	1.63	0.25
33	3	4	18	138.02	105.49	6	3	2.16	0.76
34	3	13	20	42.78	27.43	17	3	2.37	0.67
35	1	5	36	37.09	40.65	4	1	2.83	1.00
36	3	16	42	34.78	21.91	10	3	1.53	0.40
37	5	15	24	61.71	31.92	17	2	1.77	0.62
38	1	5	36	37.09	40.65	4	2	1.57	0.56
39	9	44	60	37.94	13.92	20	4	1.94	0.65

Mean Dpar	= 2.08	Pooled Age (Ma)	= 45.5+/- 5.0
Mean Dper	= 0.59	Mean Age (Ma)	= 54.1+/- 5.7
Chi-squared	= 18.788	W.Mean Age (Ma)	= 37.3+/- 4.5
Chi-squared prob	= 0.996	Median Age (Ma)	= 41.2- 2.0+ 6.4

02-EP-21
497-16

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	28	70	13.28	9.72	11	4	1.71	0.23
2	3	11	40	50.54	32.95	7	4	1.58	0.30
3	3	15	48	37.10	23.49	8	2	1.25	0.21
4	2	21	20	17.70	13.10	28	2	1.60	0.18
5	4	29	36	25.61	13.68	22	2	1.74	0.47

Mean Dpar	= 1.58	Pooled Age (Ma)	= 25.0+/- 7.2
Mean Dper	= 0.28	Mean Age (Ma)	= 28.9+/- 7.6
Chi-squared	= 2.620	W.Mean Age (Ma)	= 20.2+/- 6.4
Chi-squared prob	= 0.623	Median Age (Ma)	= 25.6- 5.9+ 8.5

02-EP-22a
497-17

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	5	14	40	66.12	34.50	9	4	1.98	0.58
2	9	27	100	61.74	23.83	7	4	3.01	1.12
3	4	31	80	23.97	12.75	10	3	2.06	0.71
4	2	18	60	20.64	15.40	8	3	1.68	0.35
5	16	82	100	36.21	9.95	22	4	1.51	0.30
6	9	65	40	25.72	9.18	43	4	2.78	1.13
7	2	4	32	92.39	80.05	3	2	1.94	0.33
8	2	7	50	52.95	42.49	4	3	2.94	1.09
9	9	41	90	40.72	15.04	12	4	2.83	0.49
10	7	41	64	31.70	13.00	17	4	1.79	0.82
11	34	205	100	30.79	5.77	55	4	1.92	0.19
12	55	254	60	40.17	6.09	113	4	1.72	0.43
13	11	43	25	47.43	16.09	46	4	1.85	0.26
14	4	27	48	27.51	14.76	15	4	1.87	0.34
15	7	35	90	37.11	15.40	10	4	3.56	1.37
16	9	24	30	69.41	27.21	21	4	2.94	1.31
17	2	13	60	28.57	21.71	6	3	1.97	0.63
18	4	39	100	19.06	10.02	10	4	2.33	1.15
19	5	26	50	35.69	17.46	14	4	2.38	0.90
20	6	15	64	74.01	35.82	6	4	2.46	0.80
21	1	20	64	9.30	9.53	8	3	2.23	0.73
22	9	23	60	72.41	28.55	10	4	2.01	0.65
23	15	65	100	42.80	12.33	17	4	2.88	1.19
24	3	36	60	15.49	9.32	16	3	2.04	0.65
25	5	27	49	34.37	16.76	15	4	3.16	1.13
26	0	11	64	0.00	17.65	5	1	2.11	0.58
27	1	7	48	26.53	28.37	4	1	2.85	0.72
28	3	22	36	25.33	15.61	16	2	3.01	1.13
29	8	39	72	38.06	14.82	14	4	1.63	0.43
30	4	51	100	14.58	7.58	14	4	2.39	0.72
31	3	15	50	37.11	23.50	8	3	2.52	0.82
32	2	15	80	24.77	18.66	5	2	2.39	0.72
33	9	33	36	50.56	19.07	25	4	3.09	1.03
34	4	36	48	20.64	10.90	20	4	2.80	1.06
35	6	33	60	33.75	15.01	15	4	2.47	0.84
36	6	35	64	31.82	14.09	15	4	2.57	0.66
37	9	39	70	42.80	15.88	15	4	3.10	1.20
38	6	27	60	41.22	18.65	12	4	2.01	0.47
39	5	35	100	26.53	12.71	9	3	1.66	0.30
40	15	85	60	32.76	9.22	38	4	1.55	0.49

Mean Dpar	= 2.35	Pooled Age (Ma)	= 35.2+/- 2.4
Mean Dper	= 0.75	Mean Age (Ma)	= 37.1+/- 3.2
Chi-squared	= 33.552	W.Mean Age (Ma)	= 30.0+/- 2.2
Chi-squared prob	= 0.716	Median Age (Ma)	= 34.1- 2.0+ 2.1

02-EP-23a
497-18

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	32	84	56	70.53	14.80	40	4	1.58	0.30
2	7	34	49	38.21	15.90	19	4	1.65	0.34
3	3	26	36	21.44	13.09	19	2	1.92	0.40
4	30	222	48	25.11	4.94	124	4	1.67	0.48
5	5	36	30	25.80	12.34	32	2	1.65	0.49
6	7	35	30	37.12	15.41	31	4	1.86	0.48
7	5	49	25	18.97	8.92	52	3	1.71	0.21
8	4	21	25	35.36	19.32	22	4	1.54	0.39
9	4	20	28	37.12	20.36	19	4	1.41	0.39
10	5	81	36	11.48	5.30	60	4	1.39	0.43
11	4	22	36	33.76	18.38	16	2	1.84	0.26
12	4	27	64	27.52	14.77	11	4	1.93	0.34
13	13	59	40	40.89	12.58	39	4	1.61	0.29
14	2	25	64	14.87	10.94	10	4	1.78	0.30
15	13	69	54	34.98	10.62	34	4	1.48	0.26
16	6	24	49	46.37	21.21	13	4	1.68	0.24
17	9	74	60	22.60	8.01	33	3	1.60	0.39
18	13	69	64	34.98	10.62	29	4	1.91	0.51
19	7	39	36	33.33	13.71	29	3	1.65	0.29
20	27	142	35	35.30	7.48	108	4	1.63	0.30
21	21	84	54	46.37	11.39	42	4	1.64	0.30
22	17	101	80	31.26	8.25	34	4	1.88	0.23
23	7	27	64	48.08	20.44	11	4	1.47	0.40
24	20	81	80	45.80	11.51	27	4	1.41	0.35
25	3	29	48	19.23	11.68	16	4	1.57	0.37
26	6	33	36	33.76	15.01	24	3	1.38	0.16
27	9	47	70	35.55	12.98	18	4	1.68	0.35
28	16	125	56	23.78	6.35	60	4	1.68	0.30

Mean Dpar	= 1.65	Pooled Age (Ma)	= 32.9+/- 2.3
Mean Dper	= 0.34	Mean Age (Ma)	= 33.2+/- 2.5
Chi-squared	= 35.165	W.Mean Age (Ma)	= 27.8+/- 2.1
Chi-squared prob	= 0.135	Median Age (Ma)	= 34.4- 2.8+ 0.9

02-EP-25a
497-1

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	6	28	100	39.78	17.93	7	4	2.57	0.37
2	10	43	90	43.16	15.20	13	4	2.03	0.39
3	4	20	60	37.13	20.37	9	4	2.48	0.78
4	8	25	90	59.31	24.15	7	4	2.60	0.90
5	13	29	100	82.93	27.79	8	4	1.91	0.43
6	21	59	60	65.94	16.87	26	4	2.10	0.89
7	5	31	70	29.96	14.47	12	4	2.24	0.81
8	4	20	100	37.13	20.37	5	4	2.70	0.95
9	5	36	100	25.81	12.34	10	4	2.44	0.63
10	6	15	48	74.05	35.84	8	4	2.44	0.52
11	7	27	90	48.09	20.45	8	4	2.56	0.98
12	6	21	100	52.98	24.57	6	4	2.19	0.56
13	7	26	60	49.94	21.31	12	4	1.91	0.66
14	5	23	100	40.35	19.95	6	4	2.45	0.78
15	5	16	50	57.93	29.73	9	4	2.58	0.67
16	3	26	81	21.45	13.09	9	4	2.36	0.48
17	4	28	64	26.54	14.21	12	4	2.27	0.84
18	38	108	90	65.18	12.44	32	4	1.88	0.43
19	7	30	60	43.30	18.22	13	4	2.79	1.03
20	12	57	100	39.08	12.47	15	4	2.36	1.00
21	1	9	60	20.66	21.78	4	1	2.88	0.31
22	1	8	54	23.23	24.65	4	2	1.65	0.47
23	14	33	36	78.51	25.15	24	4	1.66	0.56
24	3	14	60	39.78	25.33	6	2	1.81	0.23
25	4	21	64	35.37	19.32	9	4	2.07	0.70
26	15	44	90	63.17	18.98	13	4	2.66	0.65
27	5	18	100	51.52	26.09	5	4	2.16	0.76
28	8	30	90	49.46	19.73	9	4	1.59	0.52
29	3	29	90	19.23	11.68	9	4	2.33	0.65
30	12	34	100	65.38	22.04	9	4	2.64	0.94
31	15	52	80	53.49	15.75	17	4	3.11	1.14
32	5	23	80	40.35	19.95	8	4	3.01	0.86
33	5	22	100	42.18	20.93	6	4	2.65	0.96
34	3	14	80	39.78	25.33	5	2	2.56	0.67
35	4	17	80	43.66	24.30	6	4	2.11	0.62
36	5	17	64	54.53	27.79	7	3	2.24	0.51
37	5	21	60	44.18	22.02	9	3	2.13	0.73
38	11	31	90	65.73	23.15	9	4	2.61	0.80
39	19	125	80	28.24	7.00	42	4	2.13	1.04
40	34	115	100	54.82	10.82	31	4	3.30	1.03

Mean Dpar	= 2.35	Pooled Age (Ma)	= 48.0+/- 3.2
Mean Dper	= 0.71	Mean Age (Ma)	= 46.4+/- 2.9
Chi-squared	= 30.345	W.Mean Age (Ma)	= 41.1+/- 2.9
Chi-squared prob	= 0.838	Median Age (Ma)	= 43.5- 1.5+ 3.1

02-EP-26a
497-20

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	11	72	90	28.39	9.23	21	4	2.12	0.75
2	10	67	100	27.74	9.44	18	4	2.94	0.81
3	8	33	90	44.99	17.78	10	4	2.65	0.85
4	6	39	80	28.59	12.57	13	4	2.20	0.65
5	3	14	100	39.79	25.34	4	4	2.27	0.80
6	6	26	100	42.84	19.44	7	3	1.65	0.30
7	5	27	100	34.40	16.78	7	4	2.30	0.81
8	10	26	80	71.24	26.59	9	4	2.41	1.18
9	10	21	100	88.08	33.94	6	4	2.47	0.77
10	13	27	70	89.06	30.18	10	4	1.93	0.77
11	14	43	80	60.35	18.66	14	4	2.79	0.87
12	17	83	80	38.03	10.19	28	4	2.80	1.09
13	7	36	100	36.11	14.96	10	4	2.79	0.86
14	14	33	100	78.53	25.15	9	4	3.31	1.03
15	5	21	100	44.19	22.03	6	4	2.83	0.84
16	7	29	100	44.80	18.91	8	4	2.53	0.71
17	12	55	100	40.51	12.96	15	4	1.80	0.48
18	4	45	100	16.53	8.64	12	4	2.86	1.00
19	1	7	90	26.55	28.40	2	1	3.26	1.13
20	3	18	100	30.97	19.33	5	3	2.79	0.92
21	9	30	70	55.63	21.21	11	4	2.32	0.58
22	1	3	60	61.78	71.37	1	1	2.34	0.73
23	13	49	100	49.22	15.42	13	4	2.17	0.68
24	6	16	70	69.47	33.32	6	3	3.16	1.27
25	5	29	60	32.03	15.54	13	4	2.18	0.86
26	4	29	100	25.64	13.70	8	3	1.88	0.37
27	10	84	100	22.13	7.43	22	4	2.11	1.01
28	8	23	90	64.46	26.52	7	4	2.67	0.92
29	12	31	80	71.69	24.47	10	4	2.32	0.92
30	9	21	100	79.33	31.69	6	4	2.90	1.23
31	7	39	100	33.34	13.72	10	4	2.30	0.40
32	6	21	90	52.99	24.58	6	3	2.57	1.05
33	12	47	80	47.38	15.39	16	4	2.06	0.75
34	4	15	60	49.47	27.88	7	4	2.72	0.81
35	77	385	100	37.14	4.76	103	4	2.01	0.67
36	100	380	80	48.83	5.67	127	4	2.05	0.85
37	7	33	100	39.39	16.43	9	4	2.38	0.65
38	8	41	100	36.24	14.05	11	4	1.96	0.37
39	6	25	100	44.54	20.29	7	2	2.47	0.91
40	21	96	100	40.61	9.86	26	4	2.52	0.92

Mean Dpar	= 2.45	Pooled Age (Ma)	= 43.0+/- 2.5
Mean Dper	= 0.81	Mean Age (Ma)	= 46.9+/- 3.2
Chi-squared	= 41.248	W.Mean Age (Ma)	= 38.1+/- 2.3
Chi-squared prob	= 0.373	Median Age (Ma)	= 43.5- 2.3+ 3.4

02-EP-27a
497-21

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	14	76	48	34.23	10.00	42	4	2.44	0.39
2	11	54	48	37.84	12.57	30	4	1.48	0.30
3	43	164	100	48.66	8.46	44	4	1.79	0.43
4	26	171	100	28.26	6.01	46	4	1.54	0.34
5	23	109	49	39.19	9.07	59	4	2.04	0.58
6	105	444	80	43.91	4.94	148	4	3.21	1.01
7	15	70	80	39.80	11.38	23	4	1.52	0.34
8	30	155	60	35.96	7.25	69	4	1.63	0.20
9	2	20	100	18.60	13.81	5	2	1.51	0.35
10	10	17	20	108.66	43.42	23	4	2.10	0.51
11	13	66	60	36.59	11.15	29	4	1.72	0.54
12	16	73	36	40.70	11.30	54	4	2.30	0.53
13	7	52	56	25.03	10.10	25	4	1.97	0.61
14	16	99	42	30.04	8.14	63	4	2.05	0.51
15	3	16	25	34.84	21.94	17	4	1.64	0.48
16	32	146	32	40.70	8.03	122	4	1.86	0.48
17	2	23	100	16.18	11.94	6	2	1.43	0.59
18	37	194	100	35.43	6.44	52	4	2.16	0.90
19	16	33	48	89.70	27.45	18	4	2.43	0.67
20	4	23	42	32.32	17.53	15	3	1.84	0.33
21	67	342	80	36.39	4.98	114	4	2.28	0.71
22	28	123	80	42.27	8.94	41	4	1.76	0.21
23	2	5	60	74.09	62.03	2	3	1.68	0.42
24	25	81	70	57.24	13.20	31	4	1.79	0.39
25	13	119	80	20.32	5.97	40	4	1.64	0.40
26	23	101	100	42.28	9.85	27	4	2.24	0.45
27	4	67	100	11.11	5.73	18	2	1.86	0.38
28	2	27	80	13.78	10.11	9	2	1.61	0.48
29	22	75	48	54.42	13.29	42	4	1.97	0.65
30	5	40	20	23.24	11.05	53	4	1.88	0.65
31	9	29	42	57.56	22.03	18	4	1.51	0.28
32	19	67	30	52.61	13.76	60	4	1.55	0.25
33	1	5	25	37.15	40.71	5	2	1.87	0.33
34	2	13	36	28.60	21.74	10	3	1.52	0.30
35	5	38	49	24.47	11.66	21	3	1.59	0.19
36	1	2	70	92.48	113.30	1	2	1.74	0.34
37	10	78	100	23.84	8.04	21	4	1.76	0.34
38	88	312	80	52.33	6.50	104	4	1.76	0.47
39	19	117	36	30.18	7.52	87	3	1.94	0.44
40	9	43	60	38.87	14.30	19	4	1.76	0.24

Mean Dpar	= 1.86	Pooled Age (Ma)	= 39.2+/- 1.9
Mean Dper	= 0.45	Mean Age (Ma)	= 40.8+/- 3.6
Chi-squared	= 60.777	W.Mean Age (Ma)	= 34.3+/- 1.8
Chi-squared prob	= 0.014	Median Age (Ma)	= 36.9- 2.0+ 2.2

02-EP-28a
497-22

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	16	32	23.25	17.45	13	1	1.60	0.51
2	4	11	40	67.41	39.41	7	4	2.54	0.89
3	1	7	36	26.57	28.41	5	2	2.40	0.48
4	2	19	36	19.58	14.57	14	2	2.51	0.72
5	1	11	42	16.92	17.68	7	2	1.68	0.38
6	2	13	100	28.60	21.74	3	2	1.99	0.65
7	2	15	30	24.80	18.68	13	3	2.40	0.68
8	3	38	49	14.69	8.82	21	4	1.79	0.43
9	2	32	49	11.64	8.49	17	3	1.70	0.44
10	5	17	40	54.57	27.81	11	3	2.17	0.84
11	3	11	20	50.62	33.00	15	3	1.84	0.80
12	1	2	12	92.50	113.32	4	1	2.00	0.35
13	4	15	36	49.50	27.89	11	3	2.80	1.09
14	1	2	54	92.50	113.32	1	1	1.83	0.52
15	4	20	49	37.16	20.38	11	3	2.81	1.04
16	5	16	32	57.97	29.75	13	3	2.17	0.92
17	2	11	20	33.79	25.99	15	2	2.57	0.59
18	2	7	15	53.02	42.54	12	2	2.17	0.73
19	2	34	80	10.95	7.98	11	2	1.93	0.59
20	11	39	60	52.34	17.94	17	3	2.13	1.00
21	1	4	32	46.42	51.91	3	2	1.77	0.43
22	3	22	50	25.36	15.63	12	2	2.68	0.98
23	11	27	60	75.47	27.09	12	4	1.90	0.38
24	14	54	80	48.13	14.50	18	4	2.18	0.63
25	11	39	70	52.34	17.94	15	4	1.74	0.58
26	3	8	48	69.50	47.10	4	2	2.44	0.65
27	4	17	30	43.70	24.32	15	4	2.18	0.52
28	4	19	80	39.11	21.55	6	4	1.92	0.47
29	5	19	64	48.85	24.60	8	4	2.65	0.58
30	3	9	48	61.82	41.25	5	3	2.27	0.71
31	2	15	30	24.80	18.68	13	2	2.17	1.04
32	3	15	28	37.16	23.53	14	4	2.20	0.61
33	8	31	64	47.91	19.05	13	4	2.27	0.76
34	1	6	42	30.98	33.48	4	1	2.65	0.96
35	2	8	36	46.42	36.72	6	2	2.30	0.72
36	8	16	48	92.50	40.15	9	4	1.90	0.34
37	5	17	36	54.57	27.81	13	3	2.23	0.99
38	3	31	100	18.01	10.90	8	3	1.57	0.39
39	1	17	80	10.95	11.27	6	1	2.83	0.80

Mean Dpar	= 2.18	Pooled Age (Ma)	= 39.5+/- 3.7
Mean Dper	= 0.67	Mean Age (Ma)	= 43.4+/- 3.8
Chi-squared	= 32.012	W.Mean Age (Ma)	= 26.3+/- 3.0
Chi-squared prob	= 0.742	Median Age (Ma)	= 46.4- 5.1+ 1.8

02-EP-30a
497-23

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	4	11	24	67.42	39.42	12	3	2.07	1.12
2	4	35	25	21.27	11.24	37	3	1.94	0.30
3	0	22	30	0.00	8.66	20	2	1.91	0.53
4	5	36	35	25.84	12.35	27	4	1.71	0.37
5	4	8	24	92.53	56.73	9	4	1.73	0.30
6	1	15	49	12.41	12.83	8	2	1.53	0.29
7	0	4	15	0.00	51.93	7	1	1.92	0.25
8	1	3	16	61.83	71.42	5	1	1.46	0.57
9	14	73	15	35.65	10.45	130	4	1.61	0.23
10	4	26	27	28.61	15.39	26	3	2.07	0.51
11	1	5	50	37.17	40.73	3	1	1.57	0.44

Mean Dpar	= 1.78	Pooled Age (Ma)	= 29.7+/- 5.3
Mean Dper	= 0.45	Mean Age (Ma)	= 34.9+/- 9.2
Chi-squared	= 12.243	W.Mean Age (Ma)	= 19.6+/- 4.5
Chi-squared prob	= 0.269	Median Age (Ma)	= 28.6- 5.5+ 9.8

02-OE-01a
497-24

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	7	32	70	40.65	17.01	12	4	2.27	0.66
2	9	34	48	49.16	18.49	19	4	2.53	0.82
3	4	23	36	32.34	17.55	17	2	2.32	0.35
4	4	24	36	31.00	16.77	18	4	2.40	0.77
5	4	18	20	41.30	22.86	24	2	2.94	0.52
6	4	41	64	18.16	9.53	17	4	2.67	0.96
7	4	29	100	25.66	13.71	8	3	2.38	0.81
8	7	15	24	86.42	39.64	17	4	2.74	0.81
9	2	6	16	61.85	50.53	10	1	3.09	0.78
10	5	14	30	66.24	34.57	12	3	1.50	0.40
11	6	10	20	110.90	57.36	13	3	2.08	0.49
12	2	6	24	61.85	50.53	7	4	2.46	0.75
13	4	12	36	61.85	35.75	9	4	2.73	1.03
14	14	40	40	64.92	20.25	27	3	2.34	0.65
15	6	49	60	22.79	9.88	22	4	1.73	0.33
16	13	47	80	51.36	16.17	16	4	2.80	0.70
17	2	7	34	53.05	42.56	5	4	2.46	0.66
18	9	31	80	53.90	20.47	10	4	2.12	0.62
19	3	20	36	27.90	17.30	15	1	2.14	0.56
20	3	10	24	55.69	36.70	11	2	2.86	0.58
21	3	11	49	50.65	33.02	6	3	1.96	0.28
22	6	19	80	58.61	27.50	6	4	2.47	0.68
23	2	8	25	46.44	36.74	9	2	3.09	1.13
24	4	31	42	24.01	12.78	20	2	1.80	0.15
25	6	21	40	53.05	24.61	14	4	2.25	0.86
26	9	65	100	25.76	9.19	17	4	2.53	0.49
27	7	51	80	25.54	10.32	17	3	2.47	1.15
28	5	17	60	54.60	27.82	8	3	2.01	0.52
29	17	38	64	82.87	24.30	16	4	3.10	0.95
30	26	177	100	27.33	5.80	47	3	2.25	0.31
31	20	78	30	47.63	12.02	69	4	2.27	0.63
32	8	24	70	61.85	25.31	9	4	2.38	0.56
33	17	79	70	39.99	10.76	30	4	1.71	0.30
34	35	171	100	38.05	7.15	46	4	2.40	0.54
35	2	9	24	41.30	32.31	10	2	2.17	0.87
36	4	23	30	32.34	17.55	20	2	2.73	0.98
37	7	21	32	61.85	27.05	18	3	2.10	0.42
38	0	7	36	0.00	28.42	5	1	1.74	0.24
39	6	26	64	42.88	19.46	11	4	2.27	0.38
40	4	10	40	74.15	43.92	7	2	1.92	0.49

Mean Dpar	= 2.36	Pooled Age (Ma)	= 41.2+/- 2.9
Mean Dper	= 0.63	Mean Age (Ma)	= 47.7+/- 3.6
Chi-squared	= 39.411	W.Mean Age (Ma)	= 34.7+/- 2.6
Chi-squared prob	= 0.452	Median Age (Ma)	= 48.4- 4.0+ 3.2

02-OE-02a
497-25

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	5	28	60	33.21	16.16	12	4	1.54	0.30
2	4	11	20	67.46	39.44	15	4	2.07	0.49
3	3	15	12	37.19	23.55	33	2	2.33	0.40
4	2	11	80	33.82	26.01	4	4	2.46	0.72
5	2	12	30	31.01	23.70	11	3	2.28	0.48
6	2	10	49	37.19	28.83	5	2	2.70	0.62
7	2	17	70	21.90	16.39	6	4	2.71	0.96
8	7	29	30	44.86	18.94	26	4	2.00	0.54
9	2	13	24	28.63	21.76	14	2	1.76	0.38
10	10	45	100	41.31	14.49	12	4	1.88	0.53
11	4	34	48	21.90	11.59	19	4	2.14	0.82
12	1	5	12	37.19	40.75	11	1	1.99	0.40
13	4	29	80	25.67	13.71	10	4	2.19	0.94
14	1	16	35	11.64	12.01	12	1	2.25	0.71
15	3	17	54	32.82	20.58	8	4	2.31	0.59
16	2	15	24	24.82	18.70	17	4	2.36	0.87
17	3	13	14	42.89	27.50	25	3	2.38	0.43
18	8	21	48	70.65	29.43	12	2	1.98	0.56
19	9	29	50	57.62	22.05	15	4	1.97	0.58
20	9	57	100	29.38	10.57	15	4	1.77	0.40
21	6	37	60	30.17	13.31	16	4	2.44	0.94
22	3	9	18	61.86	41.28	13	2	1.74	0.45
23	8	103	24	14.47	5.33	114	4	1.70	0.25
24	3	31	24	18.02	10.91	34	3	1.81	0.73
25	6	27	64	41.31	18.68	11	4	2.06	0.53
26	3	33	80	16.93	10.22	11	4	1.86	0.37
27	4	27	30	27.57	14.79	24	4	2.10	0.62
28	6	62	100	18.02	7.72	17	4	2.05	0.68
29	1	3	49	61.86	71.46	2	4	1.83	0.57
30	4	25	30	29.77	16.05	22	3	1.46	0.31
31	6	19	60	58.62	27.51	8	4	2.80	0.81
32	6	12	20	92.57	46.37	16	1	1.61	0.44
33	11	23	64	88.58	32.57	10	4	2.18	0.72
34	3	22	60	25.38	15.64	10	4	2.46	0.95
35	9	53	100	31.59	11.43	14	4	2.08	0.96
36	17	57	100	55.38	15.39	15	4	1.92	0.63
37	2	9	70	41.31	32.31	3	4	2.47	0.68
38	3	49	100	11.41	6.79	13	2	1.92	0.48
39	7	72	80	18.10	7.19	24	4	2.21	0.68
40	2	15	60	24.82	18.70	7	2	1.48	0.34

Mean Dpar	= 2.08	Pooled Age (Ma)	= 32.2+/- 2.7
Mean Dper	= 0.60	Mean Age (Ma)	= 37.5+/- 3.4
Chi-squared	= 47.337	W.Mean Age (Ma)	= 23.9+/- 2.3
Chi-squared prob	= 0.169	Median Age (Ma)	= 32.2- 1.8+ 2.8

02-OE-03a
497-26

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	18	87	100	38.48	10.03	23	4	2.39	0.90
2	1	7	40	26.59	28.44	5	1	1.79	0.42
3	5	37	80	25.16	12.01	12	4	2.19	0.61
4	5	21	50	44.26	22.06	11	3	2.17	0.53
5	5	23	36	40.42	19.98	17	2	1.72	0.70
6	4	11	20	67.47	39.45	15	2	2.31	1.60
7	2	5	30	74.18	62.10	4	2	2.84	1.13
8	6	36	48	31.01	13.71	20	4	2.64	0.90
9	0	5	30	0.00	40.76	4	1	1.74	0.80
10	7	11	60	117.62	56.97	5	4	1.78	0.30
11	9	77	48	21.77	7.69	43	4	1.79	0.40
12	2	9	36	41.32	32.32	7	2	2.04	0.75
13	7	21	16	61.88	27.07	35	2	2.04	0.56
14	2	7	24	53.07	42.58	8	3	1.84	0.43
15	4	19	50	39.15	21.57	10	4	2.03	0.45
16	1	2	21	92.60	113.44	3	1	1.77	0.07
17	5	43	28	21.65	10.25	41	3	1.80	0.71
18	12	103	35	21.69	6.65	78	4	1.70	0.75
19	7	28	64	46.46	19.68	12	2	1.71	0.54
20	8	41	40	36.29	14.07	27	4	2.11	0.68
21	4	28	56	26.59	14.24	13	2	1.73	0.52
22	0	19	80	0.00	10.07	6	1	1.44	0.81
23	1	3	12	61.88	71.47	7	1	1.59	0.39
24	21	75	48	52.02	12.93	42	4	3.12	1.65
25	4	22	50	33.83	18.41	12	4	2.21	0.62
26	1	3	35	61.88	71.47	2	1	2.91	0.95
27	8	30	40	49.55	19.77	20	4	1.87	0.57
28	21	89	24	43.86	10.72	99	4	1.87	0.65
29	7	38	30	34.27	14.13	34	4	1.96	0.61
30	4	16	40	46.46	26.01	11	4	1.85	0.67
31	7	37	48	35.19	14.54	21	4	2.67	0.67
32	3	16	45	34.88	21.97	9	4	2.52	1.14
33	1	6	60	31.01	33.51	3	3	1.97	0.51
34	5	14	20	66.28	34.58	19	4	1.92	0.43
35	1	7	16	26.59	28.44	12	3	2.03	0.45
36	4	15	35	49.55	27.92	11	4	2.37	0.77
37	3	14	40	39.85	25.38	9	2	2.37	0.80
38	0	3	28	0.00	71.47	3	1	2.48	0.73
39	72	255	60	52.45	7.17	113	4	1.65	0.51
40	13	111	72	21.81	6.42	41	4	1.65	0.58

Mean Dpar	= 2.06	Pooled Age (Ma)	= 38.7+/- 2.7
Mean Dper	= 0.68	Mean Age (Ma)	= 41.8+/- 3.9
Chi-squared	= 38.548	W.Mean Age (Ma)	= 31.7+/- 2.5
Chi-squared prob	= 0.490	Median Age (Ma)	= 39.5- 3.1+ 3.0

02-OE-04
497-27

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	3	36	61.89	71.49	2	1	1.92	0.57
2	11	37	36	55.23	19.04	27	4	1.76	0.53
3	1	7	36	26.60	28.45	5	1	2.77	1.15
4	0	2	14	0.00	113.47	4	1	1.66	0.33
5	4	34	20	21.91	11.60	45	3	1.70	0.76
6	7	45	30	28.96	11.80	40	4	1.94	0.35
7	2	14	20	26.60	20.12	19	1	1.57	0.71
8	4	23	60	32.37	17.56	10	2	1.35	0.40
9	8	44	49	33.83	13.04	24	4	1.65	0.37
10	2	13	24	28.64	21.77	14	4	1.79	0.43
11	7	38	40	34.28	14.13	25	4	2.06	0.45
12	5	28	30	33.23	16.16	25	3	1.96	0.57
13	2	4	24	92.62	80.26	4	2	3.09	1.03
14	1	6	18	31.02	33.52	9	1	2.84	0.90
15	12	89	70	25.11	7.76	34	4	1.72	0.68
16	0	11	25	0.00	17.70	12	2	2.58	1.04
17	1	72	18	2.59	2.61	107	1	2.13	0.37
18	2	9	24	41.33	32.33	10	2	1.68	0.25
19	1	54	24	3.45	3.49	60	1	2.01	0.48
20	4	13	12	57.15	32.72	29	3	1.94	0.56
21	22	146	80	28.05	6.47	49	4	1.83	0.43
22	14	72	80	36.18	10.62	24	4	1.84	0.40

Mean Dpar	= 1.99	Pooled Age (Ma)	= 27.1+/- 2.9
Mean Dper	= 0.58	Mean Age (Ma)	= 31.9+/- 4.8
Chi-squared	= 27.956	W.Mean Age (Ma)	= 10.8+/- 1.8
Chi-squared prob	= 0.141	Median Age (Ma)	= 30.0- 1.6+ 2.0

02-OE-05a
497-28

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	2	8	92.64	113.50	7	1	2.74	0.28
2	13	127	100	19.07	5.58	34	4	1.54	0.37
3	0	2	20	0.00	113.50	3	1	2.30	0.38
4	1	6	30	31.03	33.53	5	1	2.26	0.82
5	3	11	40	50.70	33.05	7	4	2.01	0.67
6	1	3	42	61.91	71.51	2	1	2.14	0.57
7	2	25	24	14.91	10.97	28	2	2.10	0.35
8	1	3	12	61.91	71.51	7	2	2.56	0.73
9	0	4	25	0.00	51.99	4	1	1.90	0.80
10	4	25	16	29.79	16.07	42	2	1.63	0.35

Mean Dpar	= 2.12	Pooled Age (Ma)	= 23.3+/- 4.9
Mean Dper	= 0.53	Mean Age (Ma)	= 36.3+/- 10.1
Chi-squared	= 6.451	W.Mean Age (Ma)	= 20.4+/- 4.6
Chi-squared prob	= 0.694	Median Age (Ma)	= 30.4- 7.7+ 15.6

02-OE-07a
497-29

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	7	24	80	54.22	23.34	8	4	2.07	0.52
2	3	12	30	46.50	30.05	11	2	2.17	0.26
3	3	5	20	111.04	81.16	7	3	2.33	1.22
4	6	26	64	42.93	19.49	11	4	1.86	0.47
5	7	21	80	61.93	27.09	7	4	1.60	0.35
6	2	12	45	31.04	23.72	7	1	2.19	0.42
7	4	26	60	28.65	15.41	12	4	2.38	0.70
8	9	55	70	30.47	10.99	21	4	2.34	0.87
9	7	29	49	44.90	18.95	16	4	2.25	0.62
10	14	35	49	74.24	23.58	19	4	2.36	1.06
11	1	7	80	26.61	28.46	2	1	1.88	0.44
12	9	25	50	66.85	26.06	13	4	2.30	1.05
13	6	26	100	42.93	19.49	7	4	1.91	0.56
14	8	47	70	31.70	12.16	18	4	2.46	0.75
15	2	21	60	17.75	13.15	9	3	1.60	0.45
16	10	32	100	58.07	21.11	9	4	1.93	0.44
17	2	8	48	46.50	36.79	4	2	1.73	0.73
18	6	11	36	101.02	51.36	8	4	2.08	0.75
19	4	30	100	24.84	13.24	8	3	1.88	0.48
20	5	18	35	51.65	26.15	14	4	1.87	0.58
21	1	6	54	31.04	33.54	3	2	1.68	0.31
22	4	10	27	74.24	43.97	10	3	2.63	0.89
23	2	25	80	14.92	10.97	8	4	1.76	0.38
24	17	93	80	34.03	9.03	31	4	2.34	0.95
25	1	3	24	61.93	71.53	3	2	2.23	0.66
26	3	14	80	39.88	25.40	5	3	2.03	0.44
27	1	4	50	46.50	52.01	2	4	1.99	0.38
28	5	29	64	32.10	15.57	12	3	1.39	0.26
29	16	91	70	32.74	8.93	35	4	1.98	0.47
30	3	51	100	10.97	6.53	14	4	1.65	0.39
31	7	29	60	44.90	18.95	13	4	2.06	0.80
32	3	11	36	50.71	33.06	8	3	2.30	0.51
33	2	10	25	37.23	28.86	11	2	2.39	0.44
34	9	37	60	45.25	16.87	16	4	2.56	1.31
35	4	25	80	29.80	16.07	8	4	3.18	1.26
36	2	6	60	61.93	50.59	3	2	3.11	1.01
37	2	11	30	33.85	26.04	10	4	2.46	0.87
38	5	32	80	29.10	14.02	11	4	1.66	0.24
39	12	37	100	60.26	20.10	10	4	2.11	0.59
40	2	11	100	33.85	26.04	3	2	2.41	0.61

Mean Dpar	= 2.13	Pooled Age (Ma)	= 40.0+/- 3.2
Mean Dper	= 0.64	Mean Age (Ma)	= 45.0+/- 3.6
Chi-squared	= 31.289	W.Mean Age (Ma)	= 31.3+/- 2.8
Chi-squared prob	= 0.806	Median Age (Ma)	= 42.9- 2.8+ 3.1

02-OE-15
497-30

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	25	36	14.92	10.97	19	2	2.23	1.06
2	5	34	64	27.40	13.15	14	4	2.40	1.00
3	5	18	50	51.66	26.16	10	4	2.79	1.03
4	4	21	36	35.47	19.38	16	4	2.34	0.76
5	5	24	81	38.78	19.10	8	4	2.21	0.90
6	5	37	56	25.18	12.02	18	4	2.31	0.73
7	5	36	35	25.88	12.38	27	4	2.48	0.62
8	4	50	48	14.92	7.77	28	2	1.80	0.42
9	1	15	42	12.44	12.85	10	1	3.27	0.75
10	6	40	70	27.95	12.26	15	4	2.61	0.73
11	8	61	56	24.44	9.22	29	3	1.41	0.48
12	7	41	80	31.80	13.04	14	3	2.13	0.45
13	13	62	70	39.03	11.96	24	4	1.71	0.38
14	2	11	42	33.86	26.05	7	2	1.87	0.44
15	3	13	30	42.95	27.54	12	3	2.26	0.75
16	3	16	100	34.91	21.99	4	4	3.01	1.13
17	3	15	100	37.24	23.58	4	3	2.85	0.86
18	6	32	56	34.91	15.57	15	4	2.43	1.06
19	1	9	56	20.71	21.84	4	2	2.72	0.75
20	8	49	100	30.41	11.63	13	4	3.29	1.18
21	5	27	60	34.48	16.82	12	2	2.98	0.87
22	10	31	70	59.95	21.87	12	4	2.40	0.99
23	9	35	80	47.84	17.93	12	4	2.97	1.19
24	2	18	60	20.71	15.45	8	3	2.64	0.68
25	3	9	30	61.94	41.33	8	2	2.03	0.70
26	7	37	100	35.23	14.56	10	4	3.34	1.15
27	5	15	70	61.94	32.04	6	4	3.33	0.82
28	2	14	50	26.62	20.14	7	4	3.25	1.00
29	9	21	80	79.53	31.77	7	4	2.45	0.56
30	2	11	28	33.86	26.05	10	2	2.80	0.81
31	6	32	56	34.91	15.57	15	4	2.04	0.39
32	14	47	100	55.38	16.94	13	4	2.51	0.70
33	6	24	36	46.51	21.27	18	4	2.17	0.66
34	3	11	50	50.72	33.07	6	2	3.06	1.18
35	5	10	30	92.69	50.84	9	4	2.99	1.12
36	0	5	80	0.00	40.80	2	1	1.81	0.58
37	7	31	64	42.02	17.63	13	4	2.58	0.92
38	3	14	50	39.89	25.40	7	4	2.73	0.77
39	31	255	100	22.66	4.36	68	4	1.84	0.57
40	6	27	70	41.36	18.71	10	3	2.11	0.61

Mean Dpar	= 2.50	Pooled Age (Ma)	= 33.5+/- 2.6
Mean Dper	= 0.79	Mean Age (Ma)	= 37.4+/- 3.0
Chi-squared	= 33.008	W.Mean Age (Ma)	= 28.2+/- 2.4
Chi-squared prob	= 0.739	Median Age (Ma)	= 34.9- 2.1+ 2.3

02-OE-16
497-31

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	9	51	70	32.87	11.92	19	4	1.60	0.18
2	7	46	80	28.36	11.54	15	4	1.61	0.47
3	10	59	49	31.58	10.84	32	4	1.65	0.39
4	8	68	100	21.94	8.22	18	3	1.59	0.43
5	26	198	100	24.48	5.16	53	4	1.59	0.44
6	13	77	100	31.45	9.48	21	3	1.55	0.29
7	9	64	100	26.21	9.36	17	3	1.86	0.25
8	27	188	80	26.77	5.56	63	4	1.83	0.34
9	4	29	60	25.71	13.73	13	2	1.94	0.30
10	29	214	80	25.26	5.05	71	4	2.14	0.54
11	6	23	100	48.54	22.30	6	2	1.61	0.19
12	4	28	100	26.63	14.25	7	3	1.86	0.30
13	6	27	60	41.37	18.71	12	2	1.66	0.12
14	24	141	90	31.71	7.06	42	4	2.03	0.39
15	20	125	80	29.81	7.23	42	4	1.93	0.30
16	3	51	60	10.98	6.53	23	4	1.94	0.42
17	4	20	100	37.25	20.43	5	4	1.48	0.28
18	14	89	100	29.31	8.47	24	4	1.90	0.34
19	14	69	100	37.78	11.13	18	4	1.71	0.35
20	20	115	100	32.40	7.91	31	4	1.79	0.43
21	7	51	100	25.58	10.34	14	4	1.48	0.40
22	17	91	100	34.80	9.25	24	4	1.73	0.30
23	6	31	49	36.05	16.11	17	4	1.85	0.28
24	2	16	60	23.30	17.49	7	3	1.43	0.15
25	32	271	100	22.02	4.17	72	4	1.93	0.30
26	17	133	32	23.83	6.18	111	4	1.47	0.15
27	5	35	70	26.63	12.75	13	2	1.41	0.26
28	5	27	60	34.49	16.82	12	4	1.86	0.43
29	18	113	80	29.68	7.58	38	4	1.60	0.33
30	10	57	90	32.68	11.25	17	3	1.51	0.16
31	6	51	80	21.94	9.49	17	4	1.52	0.25
32	12	78	100	28.67	8.93	21	4	1.54	0.26
33	13	77	100	31.45	9.48	21	4	1.66	0.37
34	8	39	80	38.20	14.87	13	4	1.68	0.21
35	5	32	70	29.12	14.03	12	2	1.31	0.33
36	6	31	50	36.05	16.11	17	4	1.53	0.24
37	10	63	90	29.58	10.11	19	4	1.34	0.28
38	8	58	100	25.71	9.73	15	2	1.60	0.25
39	48	313	100	28.58	4.51	83	4	1.96	0.40
40	3	18	64	31.05	19.39	7	2	1.59	0.31

Mean Dpar	= 1.68	Pooled Age (Ma)	= 28.2+/- 1.6
Mean Dper	= 0.31	Mean Age (Ma)	= 29.7+/- 1.3
Chi-squared	= 13.852	W.Mean Age (Ma)	= 27.0+/- 1.6
Chi-squared prob	= 1.000	Median Age (Ma)	= 29.4- 0.9+ 0.8

02-EP-43
497-32

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	21	90	100	43.44	10.60	24	4	1.77	0.29
2	59	286	100	38.42	5.61	76	4	1.84	0.35
3	19	109	100	32.48	8.13	29	4	1.84	0.20
4	22	119	100	34.44	8.06	32	4	1.61	0.37
5	27	103	80	48.79	10.64	34	4	1.71	0.47
6	20	72	80	51.68	13.15	24	4	1.98	0.29
7	13	55	60	44.01	13.63	24	4	1.96	0.51
8	31	102	100	56.53	11.71	27	4	1.76	0.38
9	29	123	80	43.90	9.15	41	4	1.88	0.21
10	25	91	100	51.12	11.64	24	4	2.19	0.42
11	28	89	100	58.51	12.79	24	4	1.79	0.30
12	30	162	100	34.50	6.93	43	4	1.78	0.30
13	24	108	100	41.38	9.42	29	4	1.85	0.57
14	20	55	60	67.58	17.76	24	4	1.61	0.42
15	27	148	100	33.99	7.18	39	4	1.87	0.29
16	23	109	100	39.30	9.09	29	4	1.85	0.24
17	12	117	100	19.13	5.83	31	4	1.77	0.47
18	42	260	100	30.11	5.08	69	4	1.79	0.37
19	24	114	90	39.21	8.88	34	4	1.71	0.25
20	9	31	40	54.01	20.51	21	4	1.90	0.40
21	15	98	100	28.53	7.95	26	4	1.84	0.45
22	17	106	100	29.89	7.86	28	4	1.64	0.30
23	19	106	90	33.40	8.38	31	4	1.63	0.24
24	15	97	100	28.82	8.04	26	4	1.67	0.33
25	12	83	100	26.95	8.36	22	4	1.65	0.39

Mean Dpar	= 1.79	Pooled Age (Ma)	= 38.3+/- 2.1
Mean Dper	= 0.35	Mean Age (Ma)	= 40.4+/- 2.7
Chi-squared	= 32.303	W.Mean Age (Ma)	= 35.4+/- 2.0
Chi-squared prob	= 0.120	Median Age (Ma)	= 39.2- 2.0+ 2.9

02-EP-44
497-33

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	17	83	100	38.16	10.22	22	4	1.68	0.24
2	17	81	100	39.10	10.49	22	4	1.99	0.57
3	18	101	100	33.22	8.55	27	4	1.80	0.25
4	18	110	100	30.50	7.81	29	4	1.91	0.62
5	19	105	100	33.72	8.47	28	4	1.85	0.40
6	19	92	100	38.48	9.76	24	4	1.68	0.28
7	21	103	100	37.99	9.16	27	4	1.87	0.39
8	15	81	100	34.51	9.75	22	4	1.66	0.29
9	14	60	60	43.45	12.96	27	4	1.64	0.24
10	16	105	100	28.41	7.67	28	4	1.81	0.37
11	20	95	100	39.22	9.72	25	4	1.60	0.53
12	11	45	60	45.52	15.37	20	4	1.88	0.49
13	13	112	100	21.65	6.38	30	4	1.86	0.38
14	22	102	100	40.18	9.52	27	4	1.88	0.67
15	25	146	100	31.92	6.97	39	4	2.04	0.34
16	16	101	100	29.53	7.99	27	4	1.80	0.31
17	18	102	100	32.89	8.46	27	2	2.01	0.18
18	17	91	100	34.81	9.25	24	4	1.76	0.42
19	29	112	100	48.20	10.14	30	4	2.01	0.43
20	30	108	100	51.70	10.78	29	4	1.79	0.40
21	11	89	90	23.05	7.40	26	3	2.17	0.54
22	13	79	70	30.68	9.23	30	4	1.81	0.44
23	28	89	100	58.52	12.80	24	4	1.87	0.47
24	12	56	60	39.92	12.75	25	4	1.80	0.18
25	26	87	100	55.60	12.53	23	4	1.93	0.38

Mean Dpar	= 1.85	Pooled Age (Ma)	= 37.1+/- 2.2
Mean Dper	= 0.39	Mean Age (Ma)	= 37.6+/- 2.2
Chi-squared	= 22.709	W.Mean Age (Ma)	= 34.7+/- 2.1
Chi-squared prob	= 0.537	Median Age (Ma)	= 38.0- 1.8+ 0.7

02-EP-45
497-34

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	28	108	100	48.28	10.34	29	4	2.03	0.45
2	20	144	100	25.91	6.23	38	4	1.84	0.45
3	11	54	70	37.96	12.61	21	4	1.93	0.40
4	19	141	100	25.14	6.19	38	4	1.97	0.51
5	19	99	100	35.77	9.02	26	4	1.72	0.38
6	19	131	100	27.05	6.69	35	4	1.64	0.42
7	18	103	100	32.58	8.38	27	4	1.91	0.38
8	23	87	100	49.22	11.63	23	4	2.05	0.31
9	25	118	100	39.48	8.77	31	4	1.96	0.40
10	23	121	100	35.43	8.13	32	4	1.85	0.39
11	23	98	100	43.72	10.21	26	4	1.92	0.57
12	32	150	100	39.75	7.83	40	4	2.07	0.49
13	25	97	100	47.99	10.86	26	4	1.83	0.37
14	18	99	100	33.89	8.74	26	4	1.85	0.28
15	13	83	100	29.21	8.75	22	4	2.00	0.57
16	31	131	100	44.08	8.90	35	4	1.93	0.43
17	23	85	60	50.38	11.93	38	4	1.87	0.35
18	22	99	100	41.40	9.83	26	4	1.85	0.38
19	15	130	100	21.53	5.90	35	4	1.94	0.44
20	15	77	100	36.31	10.30	20	4	1.79	0.34
21	19	102	100	34.72	8.74	27	2	2.03	0.58
22	20	85	80	43.83	10.97	28	4	1.91	0.23
23	30	155	100	36.07	7.27	41	4	1.79	0.42
24	20	117	50	31.87	7.77	62	4	1.65	0.48
25	20	81	80	45.99	11.56	27	4	1.93	0.47

Mean Dpar	= 1.89	Pooled Age (Ma)	= 36.7+/- 2.0
Mean Dper	= 0.42	Mean Age (Ma)	= 37.5+/- 2.0
Chi-squared	= 21.325	W.Mean Age (Ma)	= 34.5+/- 2.0
Chi-squared prob	= 0.619	Median Age (Ma)	= 36.3- 1.1+ 2.3

02-EP-46
497-35

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	30	131	100	42.67	8.73	35	4	1.76	0.45
2	26	89	100	54.39	12.23	24	4	1.81	0.40
3	20	123	100	30.33	7.37	33	4	1.91	0.54
4	27	115	90	43.74	9.44	34	4	1.98	0.44
5	36	127	80	52.78	10.08	42	4	1.98	0.24
6	19	83	100	42.66	10.92	22	4	1.73	0.30
7	15	124	100	22.58	6.21	33	4	1.87	0.45
8	19	86	100	41.17	10.51	23	4	1.77	0.47
9	16	79	90	37.75	10.41	23	4	1.72	0.57
10	22	93	100	44.07	10.53	25	4	2.04	0.44
11	23	122	100	35.15	8.06	32	4	1.91	0.53
12	21	106	100	36.93	8.89	28	4	1.76	0.63
13	27	103	100	48.82	10.65	27	4	1.84	0.34
14	17	107	100	29.63	7.79	28	4	1.83	0.53
15	24	94	100	47.56	10.97	25	4	1.80	0.25
16	35	137	100	47.59	9.12	36	4	1.88	0.20
17	36	84	100	79.63	16.03	22	4	1.88	0.29
18	15	61	100	45.81	13.27	16	2	1.80	0.31
19	33	129	100	47.65	9.40	34	4	1.73	0.33
20	24	119	100	37.60	8.48	32	4	1.76	0.38
21	41	111	100	68.69	12.71	30	4	1.86	0.39
22	22	100	100	41.00	9.73	27	4	2.11	0.47
23	33	83	100	73.91	15.36	22	4	1.83	0.40
24	21	111	100	35.27	8.46	30	4	1.72	0.42
25	28	129	100	40.45	8.52	34	4	1.63	0.33

Mean Dpar	= 1.84	Pooled Age (Ma)	= 44.4+/- 2.4
Mean Dper	= 0.40	Mean Age (Ma)	= 45.1+/- 3.0
Chi-squared	= 38.744	W.Mean Age (Ma)	= 40.7+/- 2.2
Chi-squared prob	= 0.029	Median Age (Ma)	= 42.7- 1.5+ 1.5

02-EP-47
497-36

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	13	95	100	25.54	7.59	25	4	1.83	0.39
2	30	95	100	58.78	12.43	25	4	2.03	0.35
3	22	119	100	34.48	8.07	32	4	1.65	0.39
4	23	101	100	42.44	9.89	27	4	1.74	0.39
5	21	87	80	44.98	11.02	29	4	1.81	0.57
6	17	119	100	26.66	6.96	32	4	1.79	0.56
7	17	95	100	33.38	8.84	25	4	2.12	0.39
8	22	93	100	44.09	10.53	25	4	1.87	0.51
9	18	87	100	38.57	10.05	23	4	2.00	0.38
10	33	123	100	49.98	9.91	33	4	2.03	0.14
11	20	99	100	37.67	9.30	26	4	1.80	0.34
12	11	89	50	23.07	7.40	47	4	2.00	0.28
13	20	115	100	32.44	7.92	31	4	1.86	0.26
14	16	77	70	38.74	10.70	29	4	2.00	0.29
15	20	101	100	36.92	9.10	27	4	1.84	0.52
16	20	101	80	36.92	9.10	34	4	1.72	0.23
17	27	139	100	36.22	7.69	37	4	2.19	0.52
18	17	117	100	27.11	7.08	31	4	1.60	0.53
19	21	91	100	43.01	10.49	24	4	1.94	0.37
20	14	85	100	30.73	8.91	23	4	1.85	0.52
21	22	102	100	40.21	9.53	27	4	2.03	0.56
22	16	73	100	40.86	11.34	19	4	1.93	0.58
23	17	138	100	23.00	5.95	37	4	1.86	0.29
24	13	117	100	20.74	6.10	31	4	1.94	0.38
25	5	37	60	25.22	12.04	16	4	2.07	0.38

Mean Dpar	= 1.90	Pooled Age (Ma)	= 35.5+/- 2.1
Mean Dper	= 0.40	Mean Age (Ma)	= 35.7+/- 2.1
Chi-squared	= 25.775	W.Mean Age (Ma)	= 32.8+/- 2.0
Chi-squared prob	= 0.365	Median Age (Ma)	= 36.9- 3.0+ 1.2

02-EP-48
497-37

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	25	75	100	62.79	14.62	20	4	1.81	0.31
2	31	147	100	39.80	7.95	39	4	1.79	0.31
3	35	123	100	53.64	10.40	32	4	1.78	0.34
4	45	213	100	39.87	6.64	56	4	1.85	0.49
5	25	116	100	40.67	9.05	30	4	1.92	0.47
6	28	126	100	41.93	8.85	33	4	1.93	0.40
7	17	82	80	39.12	10.49	27	4	1.87	0.38
8	14	115	100	23.00	6.55	30	4	1.63	0.30
9	19	87	100	41.21	10.50	23	4	1.80	0.38
10	27	157	90	32.47	6.83	46	4	1.90	0.37
11	42	189	80	41.93	7.26	62	4	1.83	0.30
12	29	135	100	40.54	8.38	35	4	1.86	0.45
13	16	131	100	23.08	6.15	34	4	1.78	0.37
14	18	99	100	34.33	8.85	26	4	1.76	0.61
15	27	109	100	46.72	10.14	29	4	2.03	0.43
16	20	109	100	34.64	8.49	29	4	1.73	0.48
17	22	95	100	43.69	10.42	25	4	1.77	0.34
18	16	87	100	34.72	9.50	23	4	1.94	0.35
19	22	95	100	43.69	10.42	25	4	1.80	0.48
20	12	85	60	26.67	8.26	37	4	1.90	0.24
21	24	129	100	35.12	7.87	34	4	1.84	0.42
22	31	111	100	52.65	10.81	29	4	1.90	0.34
23	19	95	80	37.75	9.55	31	4	1.81	0.39
24	20	91	100	41.47	10.31	24	4	1.99	0.30
25	21	95	100	41.71	10.13	25	4	1.88	0.40

Mean Dpar	= 1.84	Pooled Age (Ma)	= 39.4+/- 2.1
Mean Dper	= 0.39	Mean Age (Ma)	= 39.7+/- 2.2
Chi-squared	= 21.798	W.Mean Age (Ma)	= 37.2+/- 2.0
Chi-squared prob	= 0.591	Median Age (Ma)	= 40.5- 1.8+ 0.4

02-EP-49
497-38

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	17	108	100	29.73	7.81	28	4	1.73	0.38
2	15	92	100	30.79	8.62	24	4	1.97	0.39
3	16	115	100	26.28	7.05	30	4	1.88	0.34
4	24	97	100	46.67	10.73	25	4	1.94	0.37
5	14	83	100	31.85	9.25	22	4	1.92	0.33
6	12	57	60	39.73	12.67	25	4	1.92	0.33
7	53	251	100	39.85	6.14	66	4	2.03	0.54
8	25	135	100	34.96	7.68	35	4	2.07	0.35
9	26	207	100	23.73	4.99	54	4	1.94	0.34
10	22	107	100	38.80	9.15	28	4	2.01	0.33
11	16	117	100	25.83	6.93	31	4	1.84	0.35
12	8	51	50	29.62	11.30	27	4	2.12	0.54
13	22	149	100	27.89	6.42	39	4	2.05	0.43
14	17	101	100	31.78	8.38	27	4	1.86	0.43
15	16	99	100	30.52	8.27	26	4	2.00	0.29
16	22	129	100	32.20	7.49	34	4	1.86	0.44
17	23	103	100	42.13	9.79	27	4	2.08	0.54
18	27	143	100	35.64	7.55	38	4	2.03	0.29
19	15	129	100	21.97	6.03	34	4	1.97	0.38
20	37	292	90	23.94	4.24	85	4	2.11	0.31
21	25	108	100	43.67	9.78	28	4	1.86	0.33
22	22	108	100	38.44	9.06	28	4	2.06	0.30
23	18	113	100	30.08	7.68	30	4	2.11	0.49
24	17	97	100	33.09	8.75	25	4	1.79	0.26
25	20	105	100	35.96	8.84	28	4	2.00	0.45

Mean Dpar	= 1.97	Pooled Age (Ma)	= 32.3+/- 1.8
Mean Dper	= 0.38	Mean Age (Ma)	= 33.0+/- 1.6
Chi-squared	= 19.260	W.Mean Age (Ma)	= 30.7+/- 1.7
Chi-squared prob	= 0.738	Median Age (Ma)	= 31.8- 0.7+ 2.0

02-EP-50
497-39

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	28	105	100	50.28	10.80	28	4	1.96	0.30
2	20	97	100	38.91	9.62	25	4	1.99	0.40
3	21	67	60	59.06	14.87	29	4	1.74	0.43
4	14	110	100	24.05	6.86	29	4	1.72	0.30
5	28	85	100	62.06	13.64	22	4	1.96	0.52
6	18	122	100	27.87	7.08	32	4	1.66	0.43
7	20	99	100	38.13	9.41	26	4	2.12	0.29
8	13	102	80	24.08	7.13	34	4	1.85	0.42
9	25	101	100	46.69	10.52	27	4	1.93	0.38
10	15	95	100	29.82	8.33	25	2	1.93	0.29
11	35	127	100	51.96	10.03	33	4	2.07	0.40
12	17	81	50	39.61	10.63	43	4	1.74	0.65
13	42	306	100	25.93	4.33	80	4	1.71	0.34
14	21	103	100	38.48	9.28	27	4	1.93	0.35
15	18	81	100	41.93	10.99	21	2	1.99	0.44
16	28	91	100	57.98	12.64	24	4	1.90	0.38
17	29	130	100	42.09	8.73	34	4	1.81	0.35
18	23	131	100	33.15	7.56	34	4	1.90	0.28
19	13	103	100	23.85	7.05	27	4	1.91	0.38
20	21	79	100	50.12	12.39	21	4	1.93	0.40
21	21	145	100	27.36	6.44	38	4	1.91	0.28
22	24	110	100	41.17	9.35	29	4	1.99	0.42
23	36	97	100	69.87	13.79	25	4	2.00	0.26
24	22	99	100	41.93	9.96	26	4	2.18	0.33
25	13	113	100	21.74	6.40	30	4	1.79	0.45

Mean Dpar	= 1.90	Pooled Age (Ma)	= 38.4+/- 2.1
Mean Dper	= 0.38	Mean Age (Ma)	= 40.3+/- 3.0
Chi-squared	= 51.005	W.Mean Age (Ma)	= 33.9+/- 1.9
Chi-squared prob	= 0.001	Median Age (Ma)	= 39.6- 3.6+ 3.2

02-EP-51
497-40

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	27	91	100	55.92	12.36	24	4	1.97	0.58
2	17	67	80	47.85	13.07	22	4	1.68	0.48
3	25	95	100	49.62	11.25	25	4	2.06	0.43
4	21	93	100	42.60	10.37	24	4	1.84	0.33
5	18	122	100	27.87	7.08	32	4	2.06	0.47
6	25	91	100	51.79	11.79	24	4	2.01	0.48
7	17	56	80	57.21	15.93	18	3	1.90	0.62
8	30	91	100	62.10	13.20	24	4	1.79	0.24
9	27	130	90	39.20	8.37	38	4	1.91	0.24
10	23	124	100	35.02	8.02	33	4	1.92	0.42
11	22	102	100	40.70	9.64	27	4	1.96	0.56
12	18	92	100	36.93	9.58	24	4	1.87	0.35
13	12	71	70	31.91	10.00	27	4	1.90	0.48
14	15	85	100	33.32	9.38	22	4	2.06	0.42
15	14	87	100	30.39	8.80	23	4	1.85	0.38
16	19	93	100	38.56	9.77	24	4	2.01	0.42
17	18	99	90	34.33	8.85	29	4	1.90	0.56
18	18	55	60	61.65	16.84	24	4	2.08	0.43
19	21	133	100	29.82	7.06	35	4	1.73	0.44
20	23	88	80	49.29	11.63	29	4	1.92	0.48
21	25	127	100	37.15	8.20	33	4	1.77	0.37
22	17	82	100	39.12	10.49	22	4	2.08	0.38
23	14	109	100	24.27	6.93	29	2	2.14	0.67
24	29	112	100	48.83	10.27	29	4	2.03	0.29
25	25	97	100	48.60	10.99	25	4	1.91	0.37

Mean Dpar	= 1.93	Pooled Age (Ma)	= 41.0+/- 2.3
Mean Dper	= 0.43	Mean Age (Ma)	= 42.2+/- 2.5
Chi-squared	= 25.399	W.Mean Age (Ma)	= 38.2+/- 2.2
Chi-squared prob	= 0.384	Median Age (Ma)	= 39.2- 1.5+ 3.1

02-OE-52a
497-41

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	26	24	14.54	10.68	28	4	1.91	0.61
2	4	7	9	107.27	67.31	20	3	1.79	0.37
3	43	135	32	60.01	10.65	111	4	1.83	0.73
4	6	26	56	43.54	19.76	12	4	1.76	0.37
5	4	27	24	27.98	15.01	30	2	1.81	0.14
6	15	67	36	42.24	12.13	49	4	2.06	0.56
7	2	4	10	93.96	81.42	11	2	1.97	0.54
8	10	71	100	26.61	9.02	19	4	1.74	0.42
9	10	83	70	22.77	7.65	31	2	2.56	0.92
10	7	20	49	65.91	29.01	11	4	1.98	0.45
11	38	108	27	66.26	12.65	105	4	2.58	0.70
12	46	151	32	57.41	9.81	124	4	2.04	0.76
13	8	58	72	26.06	9.86	21	4	1.92	0.43
14	4	6	25	124.98	80.75	6	4	1.61	0.38
15	3	15	30	37.75	23.90	13	3	2.72	1.29
16	3	70	60	8.11	4.79	31	2	2.28	0.52
17	5	16	35	58.88	30.22	12	4	1.99	0.30
18	2	6	25	62.79	51.30	6	2	2.28	1.03
19	1	2	18	93.96	115.11	3	1	2.33	0.47
20	2	17	30	22.23	16.63	15	1	2.23	0.29
21	11	33	40	62.79	21.94	22	4	2.03	0.28
22	10	34	36	55.44	20.01	25	2	1.79	0.33
23	12	99	40	22.90	7.03	65	4	1.90	0.54
24	27	141	70	36.15	7.67	53	4	1.77	0.33
25	5	18	15	52.37	26.52	32	2	1.90	0.67
26	6	24	60	47.15	21.57	11	2	1.79	0.31
27	5	27	48	34.96	17.05	15	4	2.46	0.73
28	23	71	30	61.03	14.75	62	4	2.94	1.19
29	4	31	40	24.38	12.97	20	4	1.98	0.37
30	5	15	16	62.79	32.48	25	3	1.78	0.53
31	13	61	30	40.22	12.34	53	2	2.05	0.29
32	4	11	40	68.47	40.03	7	4	1.92	0.34
33	17	67	60	47.85	13.07	29	4	1.67	0.25
34	3	11	70	51.42	33.53	4	4	1.78	0.24
35	8	42	48	35.96	13.91	23	4	2.11	0.42
36	14	24	16	109.49	36.96	39	4	1.94	0.71
37	22	83	100	49.98	12.07	22	4	2.08	0.45
38	19	48	35	74.50	20.31	36	4	1.84	0.39
39	5	41	36	23.04	10.94	30	2	1.91	0.53

Mean Dpar	= 2.03	Pooled Age (Ma)	= 45.0+/- 2.8
Mean Dper	= 0.52	Mean Age (Ma)	= 52.0+/- 4.7
Chi-squared	= 66.459	W.Mean Age (Ma)	= 32.2+/- 2.2
Chi-squared prob	= 0.003	Median Age (Ma)	= 50.0- 4.5+ 3.1

02-OE-53a
497-42

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	23	30	65.51	26.96	20	3	1.88	0.39
2	2	12	20	31.47	24.05	16	3	2.07	0.56
3	12	21	56	107.27	38.94	10	4	2.12	0.57
4	0	5	56	0.00	41.37	2	1	1.92	0.30
5	4	19	30	39.73	21.89	17	3	2.05	0.49
6	2	28	36	13.51	9.89	20	2	2.51	0.66
7	7	25	48	52.79	22.62	14	1	2.04	0.51
8	12	41	18	55.17	18.18	60	3	2.11	0.51
9	28	127	64	41.60	8.77	52	4	1.78	0.33
10	27	59	20	86.05	20.15	78	4	2.67	0.99
11	9	45	60	37.75	13.83	20	4	2.72	0.89
12	5	17	40	55.44	28.25	11	3	2.10	0.51
13	25	90	36	52.37	11.94	66	4	1.88	0.44
14	2	9	64	41.93	32.80	4	2	2.98	0.91
15	12	57	48	39.73	12.67	31	4	2.04	0.56
16	9	46	80	36.93	13.50	15	2	2.03	0.61
17	7	35	35	37.75	15.67	26	4	2.00	0.39
18	7	24	80	54.98	23.67	8	4	2.67	0.68
19	4	13	42	57.98	33.20	8	4	1.93	0.44
20	44	198	80	41.93	7.09	65	4	2.41	0.44
21	7	27	80	48.89	20.79	9	4	2.07	0.31
22	2	6	16	62.79	51.30	10	3	2.21	0.76
23	46	294	100	29.55	4.76	77	4	1.81	0.43
24	10	36	50	52.37	18.78	19	4	1.81	0.48
25	8	16	36	93.96	40.78	12	4	1.91	0.30
26	22	61	20	67.91	17.01	80	4	2.04	0.58
27	4	39	70	19.39	10.19	15	4	1.81	0.53
28	6	25	54	45.27	20.62	12	4	3.33	1.26
29	19	81	60	44.25	11.35	35	4	2.04	0.43
30	6	35	64	32.37	14.33	14	2	2.21	0.63
31	36	148	64	45.88	8.63	61	3	1.94	0.47
32	38	177	70	40.51	7.34	66	4	2.03	0.52
33	4	19	54	39.73	21.89	9	3	2.12	0.59
34	19	47	48	76.07	20.80	26	4	1.65	0.44
35	5	25	25	37.75	18.53	26	4	1.93	0.30
36	7	27	24	48.89	20.79	30	4	1.93	0.66
37	60	201	36	56.26	8.44	147	4	2.12	0.65
38	60	177	30	63.85	9.72	155	4	1.83	0.61
39	11	33	100	62.79	21.94	9	4	2.25	0.85
40	3	16	80	35.39	22.29	5	4	2.03	0.37

Mean Dpar	= 2.12	Pooled Age (Ma)	= 47.4+/- 2.6
Mean Dper	= 0.56	Mean Age (Ma)	= 48.9+/- 3.5
Chi-squared	= 49.795	W.Mean Age (Ma)	= 41.6+/- 2.4
Chi-squared prob	= 0.115	Median Age (Ma)	= 45.6- 1.9+ 2.7

02-OE-55a
497-43

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	5	28	80	33.71	16.40	9	2	1.84	0.15
2	19	75	100	47.78	12.35	20	4	2.80	0.78
3	21	37	36	106.55	29.28	27	4	2.92	0.86
4	24	113	36	40.08	9.08	83	4	1.96	0.70
5	2	8	40	47.15	37.30	5	3	1.81	0.35
6	3	15	80	37.75	23.90	5	3	1.57	0.29
7	1	14	36	13.51	13.99	10	1	1.70	0.47
8	6	45	80	25.19	10.97	15	3	1.68	0.44
9	14	31	80	84.92	27.46	10	4	2.17	0.58
10	6	13	25	86.78	42.90	14	3	2.16	0.54
11	8	43	50	35.12	13.56	23	4	1.92	0.52
12	25	91	80	51.79	11.79	30	4	1.84	0.51
13	2	9	20	41.93	32.80	12	2	1.90	0.25
14	8	33	40	45.73	18.07	22	4	2.01	0.44
15	19	76	64	47.15	12.17	31	4	1.87	0.40
16	4	26	36	29.06	15.63	19	4	1.79	0.35
17	9	21	30	80.62	32.21	18	3	2.04	0.33
18	6	19	40	59.50	27.92	12	4	2.06	0.65
19	8	35	80	43.12	16.95	11	4	1.87	0.58
20	2	8	50	47.15	37.30	4	1	2.10	0.20
21	27	127	48	40.12	8.58	70	4	2.19	0.62
22	13	52	80	47.15	14.69	17	4	2.51	0.84
23	7	46	36	28.74	11.69	34	4	1.90	0.53
24	2	9	64	41.93	32.80	4	2	1.94	0.28
25	12	43	24	52.61	17.25	47	4	2.18	0.30
26	14	68	80	38.85	11.46	22	4	1.84	0.38
27	22	167	100	24.89	5.69	44	4	1.81	0.43
28	11	35	100	59.22	20.54	9	4	2.05	0.53
29	6	43	80	26.36	11.51	14	4	2.34	0.71
30	13	58	56	42.29	13.04	27	4	1.99	0.34
31	37	164	36	42.57	7.85	120	4	2.46	0.82
32	11	115	70	18.08	5.73	43	4	1.87	0.57
33	3	13	49	43.54	27.91	7	4	1.91	0.53
34	13	61	48	40.22	12.34	33	4	1.96	0.48
35	3	25	40	22.68	13.87	16	2	2.38	0.65
36	1	15	70	12.61	13.03	6	1	1.60	0.53
37	26	88	100	55.69	12.54	23	4	2.24	0.73
38	9	27	50	62.79	24.24	14	4	2.37	0.71
39	21	112	80	35.39	8.48	37	4	1.78	0.25
40	2	9	24	41.93	32.80	10	3	1.50	0.21

Mean Dpar	= 2.02	Pooled Age (Ma)	= 41.6+/- 2.5
Mean Dper	= 0.50	Mean Age (Ma)	= 44.6+/- 3.4
Chi-squared	= 51.477	W.Mean Age (Ma)	= 35.1+/- 2.2
Chi-squared prob	= 0.087	Median Age (Ma)	= 42.1- 1.8+ 1.8

02-OE-56
497-44

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	3	17	24	33.32	20.89	19	1	2.05	0.44
2	3	14	25	40.44	25.75	15	3	1.76	0.28
3	4	31	56	24.38	12.97	15	4	1.78	0.43
4	4	12	30	62.79	36.30	11	4	2.45	0.77
5	1	6	30	31.47	34.01	5	1	2.18	0.56
6	1	5	18	37.75	41.37	7	1	1.43	0.59
7	4	9	32	83.59	50.29	7	3	1.77	0.35
8	0	106	100	0.00	1.79	28	1	1.41	0.38
9	6	16	21	70.60	33.86	20	2	1.70	0.35
10	1	6	25	31.47	34.01	6	2	1.87	0.65
11	3	35	80	16.20	9.76	11	2	2.20	0.71
12	2	6	24	62.79	51.30	7	2	2.27	0.52
13	9	41	35	41.42	15.29	31	3	2.40	0.45
14	8	32	32	47.15	18.69	26	3	1.70	0.42
15	12	61	35	37.13	11.78	46	4	1.81	0.56
16	10	54	48	34.96	12.08	30	4	1.74	0.31
17	13	21	36	116.13	41.12	15	4	2.32	0.91
18	2	7	18	53.86	43.21	10	1	2.06	0.28
19	1	15	64	12.61	13.03	6	3	2.05	0.63
20	46	158	35	54.88	9.33	119	4	1.97	0.62
21	4	11	30	68.47	40.03	10	2	1.93	0.25
22	10	29	40	64.94	23.89	19	4	2.41	0.89
23	5	31	36	30.46	14.71	23	3	1.93	0.38
24	5	15	18	62.79	32.48	22	3	1.78	0.65
25	48	162	36	55.84	9.32	118	4	2.32	0.84
26	5	21	60	44.91	22.39	9	2	1.67	0.21
27	3	15	25	37.75	23.90	16	4	1.64	0.33
28	7	40	18	33.04	13.57	58	3	1.45	0.12
29	5	23	30	41.02	20.28	20	4	2.01	0.35
30	0	4	50	0.00	52.73	2	1	1.60	0.51
31	8	60	35	25.19	9.51	45	4	1.66	0.49
32	6	19	40	59.50	27.92	12	4	1.65	0.40
33	5	27	28	34.96	17.05	25	2	1.76	0.37
34	3	16	35	35.39	22.29	12	4	1.66	0.30
35	5	19	48	49.62	24.98	10	4	1.87	0.67
36	6	32	36	35.39	15.78	23	4	1.85	0.43
37	25	66	36	71.31	16.88	48	4	1.87	0.56
38	10	39	50	48.35	17.20	21	4	1.88	0.44
39	1	10	32	18.90	19.83	8	1	2.00	0.24
40	22	85	28	48.81	11.76	80	4	1.94	0.35

Mean Dpar	= 1.90	Pooled Age (Ma)	= 43.3+/- 3.0
Mean Dper	= 0.47	Mean Age (Ma)	= 44.0+/- 3.8
Chi-squared	= 60.399	W.Mean Age (Ma)	= 12.0+/- 1.5
Chi-squared prob	= 0.016	Median Age (Ma)	= 40.7- 2.0+ 4.0

02-OE-57
497-45

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	7	29	36	45.53	19.22	21	4	2.50	0.71
2	3	18	49	31.47	19.65	10	3	3.00	0.86
3	7	37	90	35.71	14.76	11	4	2.39	0.85
4	5	21	72	44.91	22.39	8	4	1.70	0.52
5	13	56	90	43.79	13.54	16	4	1.94	0.35
6	6	9	35	124.98	65.97	7	4	2.37	0.73
7	41	198	48	39.08	6.80	108	4	2.03	0.54
8	5	16	48	58.88	30.22	9	4	2.10	0.70
9	3	9	48	62.79	41.90	5	3	2.05	0.68
10	7	57	60	23.20	9.32	25	4	1.68	0.40
11	5	29	50	32.55	15.79	15	4	2.26	0.49
12	8	24	36	62.79	25.70	18	4	2.04	0.73
13	3	19	18	29.82	18.55	28	4	1.84	0.33
14	28	181	64	29.22	5.99	74	4	1.73	0.30
15	4	23	60	32.84	17.81	10	4	1.91	0.28
16	4	34	60	22.23	11.77	15	4	1.88	0.24
17	5	38	60	24.86	11.85	17	2	2.00	0.38
18	8	72	36	21.00	7.85	53	4	3.44	1.34
19	3	29	60	19.55	11.87	13	4	2.50	0.80
20	14	69	48	38.29	11.28	38	4	1.79	0.28
21	8	52	30	29.06	11.07	46	4	1.79	0.33
22	4	17	36	44.39	24.70	12	4	1.66	0.26
23	8	39	64	38.71	15.07	16	4	1.87	0.43
24	6	19	42	59.50	27.92	12	4	3.01	0.90
25	19	91	56	39.40	10.01	43	4	2.19	0.39
26	0	6	30	0.00	34.01	5	1	1.47	0.28
27	6	15	24	75.28	36.43	16	3	1.90	0.54
28	6	38	80	29.82	13.13	12	4	1.90	0.48
29	16	65	32	46.43	13.03	53	4	1.60	0.34
30	4	11	48	68.47	40.03	6	4	1.79	0.16
31	7	61	64	21.69	8.68	25	4	1.70	0.25
32	5	23	60	41.02	20.28	10	4	2.50	0.82
33	18	110	42	30.90	7.91	69	4	1.83	0.48
34	16	59	36	51.13	14.49	43	4	1.94	0.77
35	10	53	24	35.62	12.32	58	4	1.79	0.62
36	16	134	40	22.56	6.00	88	4	1.96	0.38
37	5	14	42	67.25	35.09	9	4	2.14	0.53
38	6	35	48	32.37	14.33	19	4	1.77	0.38
39	1	8	90	23.62	25.06	2	1	1.91	0.33
40	13	65	48	37.75	11.52	36	4	2.08	0.45

Mean Dpar	= 2.05	Pooled Age (Ma)	= 35.4+/- 2.3
Mean Dper	= 0.52	Mean Age (Ma)	= 40.5+/- 3.6
Chi-squared	= 35.005	W.Mean Age (Ma)	= 31.7+/- 2.2
Chi-squared prob	= 0.653	Median Age (Ma)	= 36.7- 1.8+ 2.2

02-OE-58
497-46

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	13	50	14.54	15.10	7	1	1.64	0.26
2	1	7	60	26.99	28.86	3	2	1.81	0.89
3	3	9	18	62.79	41.90	13	3	3.20	0.95
4	5	17	36	55.44	28.25	12	4	2.05	0.89
5	4	21	64	35.96	19.64	9	4	2.16	0.84
6	10	33	80	57.11	20.68	11	4	2.21	0.76
7	12	65	80	34.85	11.00	21	4	2.05	0.34
8	3	14	32	40.44	25.75	11	3	2.46	0.47
9	7	42	48	31.47	12.88	23	4	1.53	0.42
10	0	4	28	0.00	52.73	4	1	1.73	0.18
11	7	16	40	82.29	37.37	11	4	2.72	0.92
12	7	33	35	40.03	16.70	25	4	2.63	0.82
13	9	33	49	51.42	19.39	18	4	2.79	0.80
14	0	5	36	0.00	41.37	4	1	1.41	0.56
15	0	5	40	0.00	41.37	3	2	2.20	0.38
16	7	14	36	93.96	43.58	10	4	2.83	0.96
17	1	4	32	47.15	52.73	3	2	1.61	0.35
18	2	11	35	34.33	26.41	8	2	1.87	0.82
19	11	25	48	82.76	30.04	14	4	3.31	1.19
20	3	12	16	47.15	30.47	20	3	2.93	1.41
21	2	11	36	34.33	26.41	8	2	2.46	0.96
22	1	6	24	31.47	34.01	7	1	1.53	0.21
23	3	18	25	31.47	19.65	19	4	2.05	0.65
24	2	13	40	29.06	22.09	9	3	2.06	0.66
25	2	13	40	29.06	22.09	9	3	2.03	0.67
26	1	4	24	47.15	52.73	4	1	2.10	0.35
27	9	22	100	76.98	30.54	6	4	2.58	1.08
28	0	5	48	0.00	41.37	3	2	1.47	0.18
29	3	13	20	43.54	27.91	17	3	1.99	0.38
30	6	28	80	40.44	18.23	9	4	2.20	0.90
31	4	12	36	62.79	36.30	9	3	2.38	0.85
32	1	15	40	12.61	13.03	10	1	1.50	0.52
33	5	13	50	72.40	38.16	7	4	2.54	1.12
34	8	26	45	57.98	23.50	15	4	2.85	1.03
35	2	7	40	53.86	43.21	5	2	2.34	0.44
36	23	53	24	81.63	20.52	58	4	2.63	1.19
37	2	10	60	37.75	29.26	4	2	2.00	0.47
38	0	2	36	0.00	115.11	1	2	1.44	0.57
39	4	17	36	44.39	24.70	12	4	2.20	0.70
40	8	15	27	100.17	43.95	15	4	2.83	1.31

Mean Dpar	= 2.21	Pooled Age (Ma)	= 49.2+/- 4.4
Mean Dper	= 0.71	Mean Age (Ma)	= 43.2+/- 4.4
Chi-squared	= 30.197	W.Mean Age (Ma)	= 38.8+/- 3.9
Chi-squared prob	= 0.843	Median Age (Ma)	= 40.4- 2.4+ 4.1

02-EP-31
497-47

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	5	32	30	29.51	14.22	28	4	1.80	0.87
2	6	41	36	27.64	12.11	30	1	2.07	0.33
3	13	41	30	59.74	19.10	36	4	2.36	0.85
4	9	34	20	49.91	18.77	45	2	1.76	0.48
5	6	61	24	18.59	7.97	67	4	1.67	0.40
6	5	44	40	21.47	10.15	29	4	1.79	0.35
7	13	82	56	29.94	8.98	38	4	2.01	0.47
8	4	23	30	32.84	17.81	20	4	1.97	0.42
9	1	6	20	31.47	34.01	8	2	1.88	0.35
10	5	29	40	32.55	15.79	19	4	1.74	0.40
11	1	12	25	15.76	16.40	13	1	1.61	0.34
12	27	143	100	35.64	7.55	38	4	1.87	0.52
13	18	85	48	39.96	10.43	47	4	1.71	0.35
14	9	54	60	31.47	11.37	24	4	1.88	0.33
15	11	116	100	17.93	5.68	30	4	1.93	0.18
16	5	62	60	15.25	7.10	27	4	1.78	0.44

Mean Dpar	= 1.87	Pooled Age (Ma)	= 30.1+/- 2.9
Mean Dper	= 0.44	Mean Age (Ma)	= 30.6+/- 3.3
Chi-squared	= 15.908	W.Mean Age (Ma)	= 25.8+/- 2.7
Chi-squared prob	= 0.388	Median Age (Ma)	= 30.7- 4.1+ 1.4

02-EP-32
497-48

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	3	11	42	51.42	33.53	7	2	1.70	0.40
2	1	4	60	47.15	52.73	2	1	2.37	0.61
3	11	48	100	43.23	14.51	13	4	1.66	0.56
4	3	13	40	43.54	27.91	9	2	2.04	0.54
5	2	4	24	93.96	81.42	4	1	1.84	0.70
6	7	15	48	87.74	40.24	8	4	2.04	0.85
7	10	56	90	33.71	11.62	16	3	2.05	0.45
8	6	12	36	93.96	47.06	9	4	2.17	0.73
9	2	13	30	29.06	22.09	11	3	2.74	1.03
10	4	6	30	124.98	80.75	5	3	1.66	0.45
11	8	28	70	53.86	21.65	11	3	1.77	0.73
12	5	11	27	85.47	46.17	11	3	1.83	0.47
13	7	14	36	93.96	43.58	10	4	2.83	0.85
14	9	21	36	80.62	32.21	15	4	2.25	0.81
15	6	17	70	66.47	31.62	6	4	2.31	0.65
16	2	6	28	62.79	51.30	6	2	1.52	0.29
17	2	12	36	31.47	24.05	9	2	2.07	0.86
18	4	11	54	68.47	40.03	5	4	2.28	0.59
19	3	14	60	40.44	25.75	6	3	1.71	0.45
20	3	19	60	29.82	18.55	8	2	1.63	0.14
21	4	20	36	37.75	20.70	15	4	2.28	0.75
22	7	19	80	69.36	30.74	6	4	2.37	0.98
23	5	21	35	44.91	22.39	16	4	2.20	0.47
24	3	14	60	40.44	25.75	6	4	2.60	0.85
25	4	14	48	53.86	30.58	8	4	2.64	1.08
26	2	6	56	62.79	51.30	3	2	1.81	0.39
27	2	9	28	41.93	32.80	8	4	2.25	0.91
28	2	9	42	41.93	32.80	6	2	1.61	0.42
29	4	13	64	57.98	33.20	5	4	2.31	0.72
30	9	39	100	43.54	16.15	10	4	2.51	1.04
31	8	22	100	68.47	28.34	6	4	2.05	0.68
32	11	29	80	71.40	25.37	10	3	1.67	0.23
33	11	22	70	93.96	34.81	8	4	2.18	0.76
34	39	156	36	47.15	8.55	114	4	2.39	0.84
35	3	20	60	28.33	17.56	9	3	2.16	0.61
36	10	19	90	98.87	38.73	6	4	2.47	1.06
37	16	41	30	73.45	21.76	36	4	2.23	0.84
38	8	14	30	107.27	47.65	12	4	2.40	0.95
39	2	26	100	14.54	10.68	7	4	2.04	0.82
40	5	14	42	67.25	35.09	9	2	2.53	0.76

Mean Dpar	= 2.13	Pooled Age (Ma)	= 55.3+/- 4.3
Mean Dper	= 0.68	Mean Age (Ma)	= 60.7+/- 4.4
Chi-squared	= 29.444	W.Mean Age (Ma)	= 44.9+/- 3.8
Chi-squared prob	= 0.866	Median Age (Ma)	= 55.9- 3.3+ 5.0

02-EP-33
497-49

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	27	80	55.84	22.54	9	4	2.18	0.80
2	4	6	64	124.98	80.75	2	1	2.54	0.70
3	13	37	90	66.17	21.42	11	4	2.33	0.77
4	3	17	60	33.32	20.89	7	3	2.38	0.85
5	7	24	80	54.98	23.67	8	4	2.06	0.76
6	6	14	60	80.62	39.41	6	4	2.01	0.49
7	7	19	60	69.36	30.74	8	4	2.52	0.66
8	13	34	35	71.97	23.56	26	4	1.78	0.52
9	5	10	18	93.96	51.54	15	4	2.18	0.63
10	6	13	20	86.78	42.90	17	4	2.20	0.73
11	5	12	80	78.39	41.79	4	4	2.70	1.51
12	4	7	45	107.27	67.31	4	2	2.38	0.89
13	9	21	80	80.62	32.21	7	4	2.38	0.84
14	5	17	48	55.44	28.25	9	4	2.00	0.84
15	2	8	42	47.15	37.30	5	3	2.18	0.89
16	4	21	36	35.96	19.64	15	2	2.39	0.76
17	5	8	36	117.24	66.92	6	4	2.31	0.75
18	2	19	60	19.89	14.80	8	2	2.50	0.43
19	19	73	40	49.08	12.72	48	4	2.13	1.01
20	42	141	42	56.14	10.00	88	4	2.14	0.89
21	2	6	70	62.79	51.30	2	2	2.17	0.40
22	7	11	36	119.35	57.81	8	4	2.41	0.82
23	6	14	30	80.62	39.41	12	4	2.10	0.67
24	19	47	36	76.07	20.80	34	4	2.43	0.76
25	8	16	60	93.96	40.78	7	4	2.14	0.67
26	4	8	36	93.96	57.60	6	4	2.33	0.91
27	2	9	80	41.93	32.80	3	2	2.04	0.80
28	11	18	36	114.65	44.01	13	4	2.76	1.23
29	16	47	64	64.12	18.65	19	4	2.37	0.89
30	7	20	80	65.91	29.01	7	2	1.83	0.45
31	17	87	50	36.88	9.84	46	4	2.28	0.85
32	7	17	70	77.48	34.87	6	4	1.81	0.37
33	6	14	56	80.62	39.41	7	4	1.80	0.54
34	26	51	48	95.79	23.25	28	4	2.11	0.49
35	16	27	100	111.21	35.24	7	2	2.20	0.72
36	5	28	80	33.71	16.40	9	4	1.81	0.42
37	7	13	30	101.13	47.50	11	4	2.11	0.58
38	11	22	40	93.96	34.81	14	4	2.54	0.89
39	5	14	70	67.25	35.09	5	4	2.39	0.58
40	9	30	36	56.54	21.55	22	4	2.04	0.53

Mean Dpar	= 2.22	Pooled Age (Ma)	= 66.0+/- 4.5
Mean Dper	= 0.73	Mean Age (Ma)	= 73.9+/- 4.8
Chi-squared	= 32.503	W.Mean Age (Ma)	= 55.5+/- 4.0
Chi-squared prob	= 0.759	Median Age (Ma)	= 74.0- 4.4+ 4.7

02-EP-35
497-50

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	20	48	18.90	14.03	11	2	2.33	0.82
2	1	3	60	62.79	72.53	1	1	2.64	0.87
3	1	2	20	93.96	115.11	3	1	1.31	0.63
4	1	14	64	13.51	13.99	6	1	2.38	0.39
5	12	20	48	112.59	41.24	11	3	2.46	0.70
6	6	7	36	160.24	89.27	5	3	2.03	0.65
7	2	3	30	124.98	114.15	3	2	2.26	0.53
8	2	7	40	53.86	43.21	5	2	1.64	0.49
9	2	10	15	37.75	29.26	18	2	1.96	0.57
10	6	12	49	93.96	47.06	6	4	2.65	1.32
11	1	3	60	62.79	72.53	1	2	1.91	0.30
12	2	16	64	23.62	17.73	7	2	1.74	0.47
13	3	22	50	25.76	15.87	12	4	2.68	1.10
14	30	64	56	88.13	19.67	30	4	2.23	0.99
15	3	14	25	40.44	25.75	15	2	2.01	0.59
16	2	4	54	93.96	81.42	2	2	2.60	0.85
17	1	3	24	62.79	72.53	3	1	2.33	0.28
18	6	25	54	45.27	20.62	12	3	2.90	0.98
19	1	6	49	31.47	34.01	3	1	1.78	0.37
20	5	15	36	62.79	32.48	11	4	2.14	0.73
21	1	5	32	37.75	41.37	4	1	1.76	0.25
22	4	6	56	124.98	80.75	3	2	1.80	0.58
23	9	19	64	89.05	36.13	8	4	2.57	1.04
24	3	7	36	80.62	55.68	5	3	2.18	0.68
25	4	19	40	39.73	21.89	12	3	2.44	0.76
26	4	16	32	47.15	26.39	13	4	1.72	0.75
27	3	9	40	62.79	41.90	6	4	2.67	1.17
28	8	10	20	149.68	71.14	13	3	2.65	0.94
29	4	18	42	41.93	23.21	11	4	2.90	1.01
30	4	7	36	107.27	67.31	5	2	2.39	0.94
31	1	4	36	47.15	52.73	3	2	2.34	0.73
32	7	11	24	119.35	57.81	12	3	1.79	0.40
33	6	8	48	140.43	75.95	4	4	2.28	1.06
34	6	7	48	160.24	89.27	4	4	2.18	0.65
35	4	15	36	50.28	28.33	11	4	1.94	1.04
36	9	27	60	62.79	24.24	12	4	2.58	0.59
37	15	23	60	122.28	40.74	10	4	1.93	0.58
38	8	21	70	71.71	29.87	8	4	2.58	0.96
39	1	7	49	26.99	28.86	4	1	2.61	1.12
40	4	8	35	93.96	57.60	6	4	2.57	0.95

Mean Dpar	= 2.25	Pooled Age (Ma)	= 70.6+/- 6.3
Mean Dper	= 0.75	Mean Age (Ma)	= 74.8+/- 6.9
Chi-squared	= 38.485	W.Mean Age (Ma)	= 45.4+/- 4.9
Chi-squared prob	= 0.493	Median Age (Ma)	= 62.8- 5.1+ 9.0

02-EP-36a
497-51

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	2	6	48	62.79	51.30	3	2	2.04	0.40
2	6	21	30	53.86	24.98	18	3	2.05	0.89
3	2	10	24	37.75	29.26	11	3	2.41	0.73
4	12	23	40	98.01	35.02	15	4	2.38	0.91
5	3	10	36	56.54	37.26	7	4	2.72	0.71
6	21	53	18	74.57	19.35	77	4	2.32	0.76
7	3	9	25	62.79	41.90	9	3	1.81	0.63
8	3	18	30	31.47	19.65	16	3	2.60	0.76
9	9	15	36	112.59	47.58	11	4	2.61	1.13
10	36	75	30	90.23	18.48	66	4	2.10	0.67
11	3	13	48	43.54	27.91	7	1	1.78	0.71
12	6	12	50	93.96	47.06	6	4	2.37	0.66
13	2	7	35	53.86	43.21	5	4	2.45	1.05
14	2	9	32	41.93	32.80	7	2	1.81	0.48
15	3	7	36	80.62	55.68	5	2	1.57	0.30
16	3	7	40	80.62	55.68	5	4	2.43	0.87
17	24	75	30	60.29	14.25	66	4	3.00	0.98
18	4	10	25	75.28	44.59	11	4	2.80	1.06
19	2	16	70	23.62	17.73	6	2	2.61	0.95
20	3	7	18	80.62	55.68	10	3	2.54	0.78
21	7	13	40	101.13	47.50	9	4	2.73	0.96
22	4	13	48	57.98	33.20	7	4	2.36	1.33
23	33	110	48	56.54	11.34	60	4	1.76	0.49
24	4	5	40	149.68	100.51	3	4	2.33	0.78
25	4	17	36	44.39	24.70	12	4	2.10	0.77
26	5	10	20	93.96	51.54	13	4	2.07	0.91
27	2	11	30	34.33	26.41	10	2	2.37	0.76
28	3	13	30	43.54	27.91	11	3	2.91	1.19
29	4	11	30	68.47	40.03	10	2	2.50	0.59
30	5	12	40	78.39	41.79	8	4	2.56	0.90
31	4	9	36	83.59	50.29	7	4	2.27	0.71
32	1	2	36	93.96	115.11	1	1	1.34	0.33
33	4	11	24	68.47	40.03	12	4	2.04	0.75
34	9	48	25	35.39	12.90	50	4	2.53	0.89
35	4	11	64	68.47	40.03	5	3	1.80	0.58
36	7	20	80	65.91	29.01	7	4	2.13	0.98
37	5	10	36	93.96	51.54	7	4	2.26	0.65
38	8	10	40	149.68	71.14	7	4	2.26	0.95
39	7	11	28	119.35	57.81	10	4	2.21	0.99
40	9	25	60	67.79	26.43	11	4	1.67	0.43

Mean Dpar	= 2.27	Pooled Age (Ma)	= 67.5+/- 5.1
Mean Dper	= 0.78	Mean Age (Ma)	= 72.3+/- 5.2
Chi-squared	= 25.229	W.Mean Age (Ma)	= 57.1+/- 4.6
Chi-squared prob	= 0.957	Median Age (Ma)	= 68.5- 3.5+ 5.6

02-EP-37a
497-52

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	1	24	186.57	263.90	1	1	2.73	1.18
2	2	3	30	124.98	114.15	3	2	1.83	0.47
3	2	11	30	34.33	26.41	10	4	2.25	1.01
4	5	23	20	41.02	20.28	30	3	1.74	0.92
5	10	17	36	110.40	44.11	12	4	1.81	0.62
6	0	3	20	0.00	72.53	4	1	2.60	0.86
7	2	14	42	26.99	20.41	9	3	2.08	0.82
8	32	100	20	60.29	12.37	131	4	2.44	0.62
9	1	9	12	21.00	22.14	20	2	1.81	0.44
10	4	11	60	68.47	40.03	5	3	2.87	0.54
11	8	17	50	88.47	38.02	9	4	2.30	0.53
12	4	33	25	22.90	12.14	35	2	1.66	0.39
13	3	9	16	62.79	41.90	15	1	2.20	0.98
14	9	16	20	105.61	44.11	21	2	1.61	0.38
15	11	57	24	36.43	12.04	62	4	1.57	0.40
16	3	2	20	277.86	253.78	3	4	2.37	0.66
17	6	33	56	34.33	15.27	15	4	2.06	0.57
18	5	19	30	49.62	24.98	17	4	2.28	0.80
19	5	11	20	85.47	46.17	14	2	2.11	0.78
20	6	16	36	70.60	33.86	12	4	1.99	0.89
21	1	4	16	47.15	52.73	7	1	2.01	0.57
22	9	25	16	67.79	26.43	41	4	2.18	0.78
23	2	11	36	34.33	26.41	8	3	2.85	0.99
24	6	33	36	34.33	15.27	24	4	1.94	0.24
25	3	17	28	33.32	20.89	16	2	2.51	0.59
26	18	51	100	66.47	18.33	13	4	2.30	0.48
27	3	48	40	11.82	7.04	32	1	1.60	0.44
28	5	6	25	155.84	94.48	6	4	2.26	0.73
29	16	50	40	60.29	17.41	33	2	1.67	0.35
30	4	8	25	93.96	57.60	8	4	1.97	0.58
31	5	11	16	85.47	46.17	18	2	2.13	0.47
32	3	17	25	33.32	20.89	18	4	1.72	0.34
33	3	22	35	25.76	15.87	17	4	2.27	0.48
34	3	12	16	47.15	30.47	20	3	2.10	0.39
35	3	3	16	186.57	152.43	5	2	2.48	0.67
36	3	3	30	186.57	152.43	3	2	1.71	1.09
37	8	37	40	40.80	15.95	24	4	1.66	0.63
38	3	9	25	62.79	41.90	9	4	2.30	0.70
39	9	40	70	42.45	15.71	15	4	1.77	0.43
40	2	6	25	62.79	51.30	6	3	1.90	0.29

Mean Dpar	= 2.09	Pooled Age (Ma)	= 52.5+/- 4.2
Mean Dper	= 0.63	Mean Age (Ma)	= 72.4+/- 9.5
Chi-squared	= 48.832	W.Mean Age (Ma)	= 36.8+/- 3.5
Chi-squared prob	= 0.134	Median Age (Ma)	= 60.3- 6.2+ 6.3

02-EP-38a
497-53

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	31	36	48.67	19.35	23	2	1.77	0.24
2	8	33	54	45.73	18.07	16	4	1.66	0.35
3	53	154	64	64.82	10.50	63	4	2.07	0.78
4	10	105	35	18.00	5.98	79	4	2.52	0.73
5	11	35	49	59.22	20.54	19	4	2.43	0.89
6	8	32	70	47.15	18.69	12	4	1.50	0.52
7	12	32	80	70.60	23.99	11	4	2.37	0.75
8	10	24	70	78.39	29.60	9	4	2.12	0.54
9	10	20	100	93.96	36.49	5	4	2.58	0.87
10	8	35	100	43.12	16.95	9	4	2.18	0.57
11	8	20	42	75.28	31.57	13	4	2.08	0.68
12	21	72	60	54.98	13.73	32	4	1.77	0.43
13	6	11	56	102.43	52.07	5	4	2.98	1.15
14	2	21	70	18.00	13.33	8	4	2.48	0.75
15	6	13	80	86.78	42.90	4	4	2.21	1.03
16	9	21	70	80.62	32.21	8	4	1.79	0.48
17	6	12	90	93.96	47.06	4	4	1.91	0.72
18	6	38	80	29.82	13.13	12	3	1.90	0.63
19	13	49	70	50.03	15.68	18	2	1.68	0.40
20	16	58	100	52.01	14.76	15	4	1.73	0.73
21	38	94	49	76.07	14.79	50	4	2.20	1.00
22	20	53	100	71.04	18.76	14	4	2.25	0.94
23	8	42	70	35.96	13.91	16	3	2.12	0.21
24	5	17	60	55.44	28.25	7	4	2.81	0.82
25	5	19	70	49.62	24.98	7	4	2.53	0.76
26	12	41	70	55.17	18.18	15	3	2.10	0.49
27	13	28	80	87.29	29.41	9	4	2.20	0.43
28	15	32	100	88.13	27.70	8	4	2.13	0.57
29	14	39	100	67.60	21.15	10	4	2.21	0.82
30	3	15	60	37.75	23.90	7	1	1.93	0.81
31	11	53	80	39.17	13.03	17	4	1.79	0.30
32	18	44	100	76.98	21.65	12	4	2.01	0.47
33	10	27	64	69.73	25.89	11	2	2.03	0.65
34	5	25	60	37.75	18.53	11	4	1.66	0.57
35	5	29	64	32.55	15.79	12	3	1.72	0.40
36	10	51	60	37.01	12.85	22	4	2.32	0.53
37	11	17	80	121.33	47.08	6	4	2.39	0.99
38	28	49	100	107.27	25.61	13	4	2.31	0.76
39	23	78	36	55.58	13.29	57	4	2.38	1.17
40	7	35	100	37.75	15.67	9	4	2.08	0.45

Mean Dpar	= 2.12	Pooled Age (Ma)	= 57.8+/- 3.4
Mean Dper	= 0.66	Mean Age (Ma)	= 61.4+/- 4.3
Chi-squared	= 55.515	W.Mean Age (Ma)	= 45.5+/- 2.9
Chi-squared prob	= 0.042	Median Age (Ma)	= 55.5- 3.4+ 5.3

02-EP-39a
497-54

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	11	23	49	89.90	33.06	12	4	1.94	0.85
2	4	9	56	83.59	50.29	4	2	1.68	0.43
3	8	25	48	60.29	24.55	14	4	1.83	0.49
4	3	7	28	80.62	55.68	7	2	2.71	0.92
5	6	19	70	59.50	27.92	7	4	2.83	0.96
6	9	59	70	28.81	10.34	22	4	1.61	0.35
7	7	15	63	87.74	40.24	6	4	2.47	0.80
8	4	16	80	47.15	26.39	5	4	2.44	1.28
9	1	4	50	47.15	52.73	2	1	1.78	0.47
10	2	6	90	62.79	51.30	2	3	2.50	0.59
11	4	6	49	124.98	80.75	3	3	2.27	0.78
12	14	26	70	101.13	33.65	10	4	2.33	0.70
13	4	16	60	47.15	26.39	7	4	2.00	0.58
14	21	71	50	55.75	13.94	37	4	1.71	0.47
15	19	43	64	83.10	23.02	18	4	2.07	0.87
16	13	104	100	23.62	6.98	27	4	1.76	0.62
17	5	12	42	78.39	41.79	8	4	2.23	0.67
18	4	6	49	124.98	80.75	3	4	2.31	0.51
19	3	8	49	70.60	47.84	4	4	2.83	0.67
20	4	18	60	41.93	23.21	8	3	1.66	0.52
21	3	24	42	23.62	14.48	15	2	1.88	0.87
22	29	92	36	59.39	12.77	67	4	1.63	0.20
23	14	29	64	90.74	29.65	12	4	1.78	0.68
24	17	84	100	38.20	10.22	22	4	1.55	0.42
25	6	14	36	80.62	39.41	10	4	2.47	1.12
26	11	26	48	79.59	28.72	14	4	2.34	0.87
27	9	34	80	49.91	18.77	11	4	1.92	0.58
28	16	49	54	61.52	17.80	24	4	2.38	0.68
29	5	11	30	85.47	46.17	10	4	3.78	1.74
30	11	46	40	45.11	15.20	30	2	2.10	0.51
31	27	70	40	72.60	16.58	46	4	1.65	0.40
32	9	32	70	53.02	20.06	12	4	2.20	0.65
33	4	14	80	53.86	30.58	5	4	1.92	0.73
34	5	19	100	49.62	24.98	5	4	1.64	0.49
35	15	41	70	68.88	20.88	15	4	1.83	0.29
36	11	28	60	73.94	26.40	12	4	1.99	0.68
37	12	36	70	62.79	21.01	14	4	2.20	0.58
38	16	27	60	111.21	35.24	12	4	2.13	0.72
39	1	3	50	62.79	72.53	2	1	1.71	0.71
40	2	4	60	93.96	81.42	2	2	2.05	0.72

Mean Dpar	= 2.10	Pooled Age (Ma)	= 59.1+/- 3.9
Mean Dper	= 0.68	Mean Age (Ma)	= 67.9+/- 4.4
Chi-squared	= 41.405	W.Mean Age (Ma)	= 47.5+/- 3.4
Chi-squared prob	= 0.366	Median Age (Ma)	= 62.8- 3.1+ 4.9

02-EP-40
497-55

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	6	19	54	59.50	27.92	9	4	2.23	0.54
2	1	4	30	47.15	52.73	4	2	1.37	0.35
3	1	17	24	11.13	11.45	19	1	1.93	0.40
4	2	11	18	34.33	26.41	16	2	1.90	0.65
5	10	23	42	81.78	31.07	14	4	1.76	0.44
6	0	2	25	0.00	115.11	2	2	2.26	0.51
7	7	28	25	47.15	19.97	29	4	2.23	0.82
8	5	19	54	49.62	24.98	9	2	1.63	0.23
9	1	3	40	62.79	72.53	2	1	1.83	0.37
10	10	35	30	53.86	19.38	31	4	2.48	0.70
11	8	19	20	79.21	33.47	25	3	1.32	0.40
12	1	4	16	47.15	52.73	7	1	1.77	0.82
13	2	30	36	12.61	9.21	22	4	2.56	1.15
14	3	13	72	43.54	27.91	5	2	2.03	0.86
15	3	18	36	31.47	19.65	13	2	1.99	0.19
16	10	42	24	44.91	15.86	46	4	1.71	0.70
17	7	10	24	131.16	64.75	11	4	2.73	1.00
18	3	36	80	15.76	9.48	12	3	2.26	0.66
19	1	26	60	7.28	7.42	11	1	1.86	0.24
20	4	21	30	35.96	19.64	18	4	2.06	0.80
21	0	6	36	0.00	34.01	4	1	1.60	0.52
22	4	16	100	47.15	26.39	4	4	2.10	0.90
23	8	37	36	40.80	15.95	27	3	1.76	0.51
24	5	26	36	36.30	17.76	19	3	1.63	0.38
25	8	23	100	65.51	26.96	6	4	2.17	0.35
26	4	13	50	57.98	33.20	7	2	1.57	0.49
27	2	6	20	62.79	51.30	8	1	2.14	0.95
28	7	26	36	50.76	21.67	19	4	2.34	0.68
29	1	4	16	47.15	52.73	7	3	1.31	0.37
30	1	3	20	62.79	72.53	4	1	1.64	0.34
31	3	15	50	37.75	23.90	8	3	1.65	0.43
32	7	27	80	48.89	20.79	9	3	1.68	0.23
33	8	84	32	18.00	6.68	69	4	2.76	0.86
34	2	27	64	14.01	10.27	11	2	1.68	0.52
35	5	27	24	34.96	17.05	30	2	1.77	0.51
36	8	23	50	65.51	26.96	12	4	2.33	0.84
37	4	15	100	50.28	28.33	4	4	1.80	0.58
38	12	41	40	55.17	18.18	27	4	1.81	0.43
39	77	162	56	89.35	12.64	76	4	2.10	0.80
40	4	19	50	39.73	21.89	10	4	1.99	0.72

Mean Dpar	= 1.94	Pooled Age (Ma)	= 49.1+/- 3.7
Mean Dper	= 0.58	Mean Age (Ma)	= 45.6+/- 4.3
Chi-squared	= 60.101	W.Mean Age (Ma)	= 29.3+/- 2.8
Chi-squared prob	= 0.017	Median Age (Ma)	= 47.2- 3.0+ 2.8

02-EP-71
497-58

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	0	22	32	0.00	8.80	18	1	1.86	0.71
2	1	6	64	31.47	34.01	2	1	2.59	0.72

Mean Dpar	= 2.23	Pooled Age (Ma)	= 6.8+/- 6.9
Mean Dper	= 0.72	Mean Age (Ma)	= 15.8+/- 22.3
Chi-squared	= 3.255	W.Mean Age (Ma)	= 2.0+/- 8.5
Chi-squared prob	= 0.071	Median Age (Ma)	= 15.7- 23.3+ 23.3

02-OE-17
497-59

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	24	112	90	40.44	9.17	33	4	2.44	0.96
2	10	39	48	48.35	17.20	21	4	1.71	0.37
3	2	8	54	47.15	37.30	4	2	2.00	0.57
4	14	32	100	82.29	26.48	8	4	2.76	0.76
5	1	3	80	62.79	72.53	1	4	2.11	0.58
6	29	67	40	81.42	18.25	44	4	1.68	0.85
7	23	123	100	35.30	8.09	32	4	1.73	0.49
8	2	25	54	15.13	11.12	12	2	1.61	0.39
9	10	24	36	78.39	29.60	18	4	2.57	0.99
10	8	21	60	71.71	29.87	9	4	2.07	0.31
11	4	11	28	68.47	40.03	10	3	1.78	0.84
12	8	74	90	20.43	7.63	22	4	1.74	0.28
13	16	74	54	40.80	11.31	36	4	1.74	0.24
14	33	107	40	58.12	11.70	70	4	2.18	0.33
15	9	32	42	53.02	20.06	20	4	2.21	0.80
16	5	19	24	49.62	24.98	21	4	1.85	0.42
17	3	14	70	40.44	25.75	5	3	1.81	0.49
18	10	40	36	47.15	16.73	29	4	2.47	1.15
19	19	58	48	61.71	16.41	32	4	2.12	0.77
20	6	33	36	34.33	15.27	24	4	2.17	0.90
21	1	4	60	47.15	52.73	2	3	1.94	0.45
22	15	58	48	48.77	14.20	32	4	2.10	0.66
23	3	8	24	70.60	47.84	9	1	2.27	0.53
24	6	24	45	47.15	21.57	14	4	1.94	0.57
25	20	53	36	71.04	18.76	39	4	2.06	0.90
26	5	17	24	55.44	28.25	19	3	2.17	0.71
27	5	26	30	36.30	17.76	23	4	1.85	0.66
28	2	12	36	31.47	24.05	9	2	1.85	0.42
29	7	68	72	19.46	7.74	25	4	1.86	0.40
30	3	10	64	56.54	37.26	4	3	1.85	0.39
31	30	74	21	76.29	16.66	93	4	1.88	0.70
32	3	8	40	70.60	47.84	5	2	2.06	0.63
33	3	7	100	80.62	55.68	2	3	2.16	0.57
34	14	33	36	79.81	25.56	24	4	1.72	0.38
35	32	185	80	32.66	6.33	61	4	1.70	0.66
36	12	29	48	77.86	26.82	16	4	2.63	0.61
37	25	125	45	37.75	8.34	73	4	1.73	0.54
38	2	9	18	41.93	32.80	13	2	1.68	0.59
39	11	38	35	54.56	18.75	29	4	1.85	0.39
40	11	41	30	50.59	17.24	36	4	2.27	0.72

Mean Dpar	= 2.01	Pooled Age (Ma)	= 48.2+/- 2.9
Mean Dper	= 0.60	Mean Age (Ma)	= 53.1+/- 3.3
Chi-squared	= 50.340	W.Mean Age (Ma)	= 39.7+/- 2.6
Chi-squared prob	= 0.105	Median Age (Ma)	= 50.1- 2.3+ 4.9

02-OE-18
497-60

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	9	38	60	44.68	16.61	17	4	2.18	0.56
2	2	8	28	47.15	37.30	8	4	2.04	0.58
3	1	3	16	62.79	72.53	5	1	2.51	0.44
4	2	33	20	11.46	8.35	43	2	1.86	0.39
5	7	11	20	119.35	57.81	14	3	2.26	0.70
6	11	20	40	103.28	38.89	13	4	2.67	0.78
7	8	44	16	34.33	13.23	72	4	1.71	0.40
8	20	91	80	41.47	10.31	30	4	2.08	0.57
9	8	28	30	53.86	21.65	25	4	2.37	0.76
10	2	9	60	41.93	32.80	4	2	2.65	0.34
11	6	11	36	102.43	52.07	8	4	2.51	0.90
12	6	27	90	41.93	18.96	8	4	1.59	0.33
13	8	82	36	18.44	6.85	60	4	1.73	0.29
14	7	13	16	101.13	47.50	21	4	1.88	0.66
15	7	27	24	48.89	20.79	30	4	1.88	0.73
16	5	15	24	62.79	32.48	16	2	2.01	0.34
17	7	17	20	77.48	34.87	22	4	2.34	1.08
18	5	17	35	55.44	28.25	13	4	2.10	0.35
19	2	6	80	62.79	51.30	2	2	2.06	0.38
20	9	79	40	21.53	7.60	52	3	1.83	0.31
21	2	16	30	23.62	17.73	14	3	2.17	0.61
22	16	63	20	47.90	13.48	83	4	1.76	0.43
23	10	32	25	58.88	21.40	34	1	2.27	0.49
24	5	17	35	55.44	28.25	13	4	1.92	0.43
25	4	23	70	32.84	17.81	9	4	1.64	0.29
26	3	6	12	93.96	66.50	13	3	3.13	0.75
27	4	14	30	53.86	30.58	12	4	2.59	0.81
28	3	20	25	28.33	17.56	21	2	1.60	0.33
29	10	18	28	104.31	41.25	17	4	1.99	0.37
30	7	28	36	47.15	19.97	20	4	1.84	0.24
31	6	26	16	43.54	19.76	43	3	1.52	0.33
32	9	27	32	62.79	24.24	22	4	1.81	0.58
33	4	10	18	75.28	44.59	15	2	1.96	0.63
34	6	48	30	23.62	10.25	42	4	1.98	0.57
35	4	57	36	13.27	6.87	42	4	1.90	0.52
36	6	18	16	62.79	29.66	30	3	1.83	0.59
37	3	7	25	80.62	55.68	7	3	1.93	0.42
38	9	17	40	99.44	41.10	11	4	2.24	0.85
39	2	12	50	31.47	24.05	6	2	3.11	0.91
40	7	51	28	25.93	10.48	48	2	1.46	0.38

Mean Dpar	= 2.07	Pooled Age (Ma)	= 43.7+/- 3.3
Mean Dper	= 0.54	Mean Age (Ma)	= 55.5+/- 4.8
Chi-squared	= 61.004	W.Mean Age (Ma)	= 30.0+/- 2.7
Chi-squared prob	= 0.014	Median Age (Ma)	= 51.4- 4.2+ 4.2

02-OE-20
497-61

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	9	49	56	34.67	12.62	23	4	1.73	0.49
2	23	71	24	61.03	14.75	78	4	1.99	0.51
3	1	4	28	47.15	52.73	4	1	2.04	0.72
4	5	56	30	16.88	7.89	49	3	1.55	0.33
5	4	17	80	44.39	24.70	6	4	2.04	0.61
6	7	18	16	73.20	32.67	30	2	1.55	0.30
7	3	15	70	37.75	23.90	6	4	1.67	0.28
8	0	20	42	0.00	9.70	13	1	1.70	0.25
9	13	78	50	31.47	9.47	41	4	1.55	0.44
10	10	20	56	93.96	36.49	9	4	2.63	0.77
11	2	4	36	93.96	81.42	3	1	1.96	0.77
12	11	89	70	23.35	7.49	33	3	2.03	0.62
13	1	2	30	93.96	115.11	2	1	1.78	0.84
14	2	17	30	22.23	16.63	15	4	1.84	0.42
15	16	67	24	45.05	12.60	73	4	1.91	0.53
16	14	59	25	44.76	13.37	62	2	2.19	0.76
17	8	74	100	20.43	7.63	19	3	1.43	0.54
18	5	11	35	85.47	46.17	8	4	2.06	0.63
19	4	24	64	31.47	17.02	10	4	1.68	0.58
20	8	53	30	28.51	10.85	46	2	1.67	0.24
21	4	28	30	26.99	14.45	25	2	1.54	0.24
22	6	21	48	53.86	24.98	11	4	2.46	0.67
23	3	20	80	28.33	17.56	7	3	1.81	0.34
24	12	49	24	46.19	14.94	54	4	2.13	0.78
25	0	11	40	0.00	17.96	7	2	1.66	0.33
26	5	17	12	55.44	28.25	37	3	1.60	0.28
27	4	18	48	41.93	23.21	10	4	1.94	0.54
28	4	16	36	47.15	26.39	12	4	2.03	0.70
29	4	25	36	30.22	16.30	18	4	1.63	0.63
30	9	18	56	93.96	38.46	8	4	2.01	1.01
31	1	14	49	13.51	13.99	8	1	1.58	0.38
32	9	31	28	54.72	20.78	29	4	1.66	0.48
33	29	95	36	57.53	12.32	69	4	2.58	1.22
34	22	184	36	22.59	5.14	134	4	2.03	0.44
35	4	20	36	37.75	20.70	15	4	1.83	0.21
36	8	35	36	43.12	16.95	26	4	1.54	0.67
37	26	74	56	66.17	15.21	35	4	1.87	0.66
38	3	16	54	35.39	22.29	8	4	2.08	0.54
39	5	30	50	31.47	15.23	16	3	1.54	0.12
40	1	5	40	37.75	41.37	3	3	1.61	0.42

Mean Dpar	= 1.85	Pooled Age (Ma)	= 39.0+/- 2.7
Mean Dper	= 0.53	Mean Age (Ma)	= 43.9+/- 4.1
Chi-squared	= 57.979	W.Mean Age (Ma)	= 29.7+/- 2.3
Chi-squared prob	= 0.026	Median Age (Ma)	= 39.8- 2.7+ 3.6

02-OE-21
497-62

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	8	65	30	23.26	8.74	57	4	1.78	0.48
2	7	11	50	119.35	57.81	6	4	2.30	0.68
3	3	25	36	22.68	13.87	18	4	1.61	0.57
4	8	45	64	33.56	12.92	18	4	1.80	0.31
5	9	24	42	70.60	27.67	15	4	1.74	0.56
6	34	149	42	43.05	8.28	93	4	2.54	0.70
7	17	181	60	17.75	4.53	79	4	1.41	0.34
8	7	32	18	41.28	17.26	47	4	1.66	0.43
9	3	67	30	8.47	5.00	59	3	1.31	0.43
10	6	42	24	26.99	11.80	46	4	1.76	0.52
11	3	10	36	56.54	37.26	7	4	2.17	0.78
12	13	36	48	68.00	22.09	20	4	2.06	0.77
13	7	15	30	87.74	40.24	13	4	2.71	0.92
14	25	111	30	42.49	9.49	97	4	1.98	0.52
15	10	23	24	81.78	31.07	25	4	2.13	0.70
16	1	26	36	7.28	7.42	19	1	1.63	0.33
17	5	13	40	72.40	38.16	9	4	1.99	0.25
18	3	53	24	10.71	6.36	58	4	1.77	0.39
19	17	54	36	59.32	16.59	39	4	2.48	0.77
20	2	6	32	62.79	51.30	5	2	1.98	0.39
21	34	81	32	78.97	16.30	67	4	1.97	0.77
22	45	180	60	47.15	7.98	79	4	1.99	0.31
23	1	11	100	17.19	17.96	3	1	3.16	1.24
24	23	48	80	90.07	22.99	16	4	2.47	0.76
25	3	19	80	29.82	18.55	6	3	2.23	0.96
26	5	34	42	27.78	13.33	21	4	2.04	0.45
27	16	69	40	43.75	12.21	45	4	1.78	0.45
28	6	22	24	51.42	23.73	24	4	1.88	0.56
29	6	11	60	102.43	52.07	5	4	1.88	0.73
30	4	21	36	35.96	19.64	15	4	1.72	0.53
31	5	12	25	78.39	41.79	13	2	2.68	0.68
32	28	56	24	93.96	21.92	61	4	1.59	0.56
33	1	20	64	9.46	9.70	8	2	1.35	0.51
34	18	34	40	99.44	29.13	22	4	2.08	0.77
35	1	8	48	23.62	25.06	4	1	2.10	0.59
36	27	86	60	59.16	13.16	38	4	2.57	1.14
37	3	12	70	47.15	30.47	5	1	1.37	0.35
38	4	34	36	22.23	11.77	25	4	1.64	0.57
39	3	17	40	33.32	20.89	11	4	2.41	0.72
40	5	12	36	78.39	41.79	9	4	1.88	0.47

Mean Dpar	= 1.99	Pooled Age (Ma)	= 45.3+/- 2.8
Mean Dper	= 0.60	Mean Age (Ma)	= 50.7+/- 5.0
Chi-squared	= 105.529	W.Mean Age (Ma)	= 27.1+/- 2.0
Chi-squared prob	= 0.000	Median Age (Ma)	= 45.4- 4.8+ 7.1

02-OE-22
497-63

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	4	7	60	107.27	67.31	3	4	1.77	0.40
2	2	5	30	75.28	63.02	4	2	2.00	0.40
3	15	79	90	35.84	10.15	23	4	1.77	0.43
4	6	18	56	62.79	29.66	8	4	2.03	0.63
5	2	4	36	93.96	81.42	3	1	2.54	0.38
6	1	14	48	13.51	13.99	8	4	1.37	0.38
7	26	96	80	51.06	11.39	32	4	1.91	0.37
8	6	30	50	37.75	16.92	16	3	1.99	0.66
9	2	6	48	62.79	51.30	3	2	2.03	0.57
10	6	40	56	28.33	12.43	19	4	1.76	0.35
11	9	83	42	20.49	7.22	52	4	1.97	0.58
12	1	2	20	93.96	115.11	3	1	2.24	0.84
13	31	244	80	24.00	4.63	80	4	2.06	0.68
14	10	94	60	20.11	6.71	41	4	1.64	0.34
15	21	294	49	13.51	3.08	158	4	1.80	0.35
16	1	5	18	37.75	41.37	7	3	2.03	0.65
17	84	417	81	38.02	4.68	135	4	1.90	0.67
18	1	12	35	15.76	16.40	9	2	2.14	0.58
19	6	36	40	31.47	13.91	24	3	1.78	0.67
20	24	126	60	35.96	8.08	55	4	2.01	0.78
21	4	9	36	83.59	50.29	7	4	1.94	0.51
22	19	198	48	18.14	4.39	108	4	1.55	0.43
23	9	77	32	22.09	7.81	63	4	2.18	0.67
24	3	32	40	17.72	10.71	21	3	1.38	0.52
25	16	82	48	36.83	10.12	45	4	1.96	0.58
26	3	43	48	13.19	7.89	24	3	1.66	0.45
27	7	57	25	23.20	9.32	60	4	1.44	0.23
28	20	72	60	52.37	13.33	32	4	2.11	0.80
29	25	109	80	43.27	9.68	36	4	1.80	0.61
30	2	11	15	34.33	26.41	19	1	1.44	0.35
31	3	9	40	62.79	41.90	6	2	3.04	0.75
32	3	6	36	93.96	66.50	4	4	2.00	0.57
33	2	7	36	53.86	43.21	5	2	1.86	0.40
34	4	14	48	53.86	30.58	8	3	1.55	0.31
35	26	74	48	66.17	15.21	41	4	2.27	0.73
36	13	139	80	17.68	5.15	46	4	1.44	0.45
37	9	58	60	29.31	10.53	25	4	1.64	0.37
38	3	21	48	26.99	16.67	11	3	1.46	0.34
39	8	65	64	23.26	8.74	27	4	1.41	0.62
40	30	126	36	44.91	9.22	92	4	1.79	0.63

Mean Dpar	= 1.87	Pooled Age (Ma)	= 31.3+/- 1.8
Mean Dper	= 0.53	Mean Age (Ma)	= 43.0+/- 4.3
Chi-squared	= 85.458	W.Mean Age (Ma)	= 24.7+/- 1.6
Chi-squared prob	= 0.000	Median Age (Ma)	= 36.4- 3.3+ 5.2

02-OE-23
497-64

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	3	12	49	47.15	30.47	6	4	1.63	0.47
2	4	16	25	47.15	26.39	17	4	1.76	0.62
3	3	19	72	29.82	18.55	7	2	1.85	0.57
4	2	10	18	37.75	29.26	15	2	1.47	0.54
5	4	17	35	44.39	24.70	13	2	1.86	0.40
6	28	112	36	47.15	10.06	82	4	2.37	0.99
7	6	24	60	47.15	21.57	11	4	2.83	0.85
8	2	9	40	41.93	32.80	6	2	1.50	0.47
9	3	9	21	62.79	41.90	11	1	1.60	0.30
10	4	14	30	53.86	30.58	12	4	1.90	0.67
11	16	45	56	66.95	19.59	21	2	1.74	0.63
12	4	26	21	29.06	15.63	33	4	1.76	0.58
13	1	2	40	93.96	115.11	1	3	2.21	0.63
14	5	33	60	28.62	13.76	14	3	1.97	0.48
15	3	12	28	47.15	30.47	11	3	1.90	0.57
16	3	24	70	23.62	14.48	9	3	1.63	0.42
17	9	56	20	30.35	10.94	74	4	1.72	0.61
18	6	56	63	20.25	8.72	23	4	1.67	0.52
19	1	3	40	62.79	72.53	2	4	1.74	0.70
20	4	16	36	47.15	26.39	12	3	1.84	0.39
21	2	9	25	41.93	32.80	9	3	1.66	0.26
22	11	53	48	39.17	13.03	29	4	1.63	0.52
23	4	12	27	62.79	36.30	12	4	2.03	0.57
24	10	86	20	21.97	7.37	113	4	1.71	0.37
25	3	22	40	25.76	15.87	14	4	1.88	0.71
26	3	12	20	47.15	30.47	16	1	1.70	1.04
27	44	204	32	40.70	6.87	168	3	1.64	0.42
28	6	13	60	86.78	42.90	6	4	2.28	0.84
29	3	22	80	25.76	15.87	7	4	2.17	0.56
30	1	3	36	62.79	72.53	2	2	2.04	0.45
31	5	10	40	93.96	51.54	7	3	1.68	0.39
32	3	27	24	21.00	12.79	30	3	1.27	0.29
33	22	114	45	36.43	8.55	67	4	1.50	0.26
34	24	81	25	55.84	13.08	85	4	1.88	0.65
35	16	132	54	22.90	6.10	64	4	1.73	0.73
36	5	18	100	52.37	26.52	5	4	1.93	0.75
37	2	10	42	37.75	29.26	6	2	1.80	0.37
38	7	42	40	31.47	12.88	28	4	1.88	0.42
39	6	9	16	124.98	65.97	15	4	2.14	1.10
40	1	6	64	31.47	34.01	2	2	1.54	0.34

Mean Dpar	= 1.83	Pooled Age (Ma)	= 39.0+/- 2.8
Mean Dper	= 0.56	Mean Age (Ma)	= 46.8+/- 3.9
Chi-squared	= 35.673	W.Mean Age (Ma)	= 33.3+/- 2.5
Chi-squared prob	= 0.622	Median Age (Ma)	= 43.2- 3.1+ 2.8

02-OE-24
497-65

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	4	14	47.15	52.73	8	1	2.07	1.26
2	1	7	16	26.99	28.86	11	1	1.51	0.57
3	2	4	18	93.96	81.42	6	2	2.14	0.65
4	2	13	9	29.06	22.09	38	2	2.41	0.57
5	2	7	24	53.86	43.21	8	3	1.52	0.44
6	1	4	6	47.15	52.73	18	1	2.04	0.49
7	3	17	20	33.32	20.89	22	2	2.10	0.72
8	1	2	9	93.96	115.11	6	1	1.85	0.67
9	1	4	20	47.15	52.73	5	4	1.87	0.56
10	5	22	25	42.88	21.28	23	3	2.08	0.66
11	1	3	15	62.79	72.53	5	1	1.55	0.31
12	3	11	15	51.42	33.53	19	2	1.47	0.19
13	1	5	12	37.75	41.37	11	3	1.57	0.67
14	0	3	14	0.00	72.53	6	1	1.74	0.44
15	1	4	12	47.15	52.73	9	1	2.30	0.57
16	1	6	8	31.47	34.01	20	1	1.76	0.45
17	2	3	16	124.98	114.15	5	2	2.28	0.56
18	7	34	40	38.85	16.17	22	4	1.80	0.52
19	0	1	21	0.00	263.90	1	1	1.40	0.67
20	1	2	25	93.96	115.11	2	1	2.38	0.96
21	3	7	30	80.62	55.68	6	3	2.11	0.99
22	9	33	15	51.42	19.39	58	4	1.96	1.14
23	1	14	20	13.51	13.99	18	3	2.10	0.45
24	1	10	24	18.90	19.83	11	2	1.61	0.28
25	8	56	16	26.99	10.23	92	4	1.59	0.24
26	7	19	9	69.36	30.74	55	3	1.74	0.85
27	2	8	20	47.15	37.30	11	3	2.17	0.45
28	2	3	12	124.98	114.15	7	2	1.74	0.70
29	4	22	30	34.33	18.68	19	1	2.03	0.68
30	12	49	36	46.19	14.94	36	4	1.97	0.61
31	1	15	25	12.61	13.03	16	2	2.01	0.62
32	2	9	12	41.93	32.80	20	2	2.53	0.56
33	6	29	21	39.05	17.55	36	4	1.91	0.58
34	7	30	16	44.02	18.52	49	2	1.96	0.90
35	1	4	10	47.15	52.73	11	1	1.44	0.31
36	1	5	15	37.75	41.37	9	2	1.96	0.51
37	1	7	20	26.99	28.86	9	2	1.70	0.65
38	3	13	32	43.54	27.91	11	2	2.11	0.56

Mean Dpar	= 1.91	Pooled Age (Ma)	= 41.3+/- 4.6
Mean Dper	= 0.61	Mean Age (Ma)	= 47.7+/- 5.0
Chi-squared	= 15.025	W.Mean Age (Ma)	= 33.8+/- 4.1
Chi-squared prob	= 0.999	Median Age (Ma)	= 43.8- 3.0+ 1.9

02-OE-25
497-66

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	10	70	64	26.99	9.16	29	4	1.83	0.51
2	2	9	35	41.93	32.80	7	4	2.12	0.57
3	0	5	16	0.00	41.37	8	1	1.67	0.34
4	1	9	50	21.00	22.14	5	4	1.83	0.53
5	2	2	6	186.57	186.65	9	2	1.20	0.19
6	1	3	9	62.79	72.53	9	1	1.27	0.43
7	1	8	9	23.62	25.06	23	1	1.12	0.61
8	2	12	16	31.47	24.05	20	4	1.73	0.45
9	2	11	9	34.33	26.41	32	2	2.04	0.86
10	1	2	16	93.96	115.11	3	1	1.66	0.82
11	1	5	18	37.75	41.37	7	1	2.40	0.70
12	1	10	24	18.90	19.83	11	4	2.17	0.67
13	1	3	15	62.79	72.53	5	1	2.20	0.39
14	1	7	12	26.99	28.86	15	1	1.90	0.57

Mean Dpar	= 1.80	Pooled Age (Ma)	= 31.5+/- 6.7
Mean Dper	= 0.55	Mean Age (Ma)	= 47.9+/- 13.0
Chi-squared	= 7.512	W.Mean Age (Ma)	= 27.3+/- 6.4
Chi-squared prob	= 0.874	Median Age (Ma)	= 32.9- 3.8+ 12.3

02-EP-52a
497-67

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	1	4	16	47.15	52.73	7	1	1.52	1.20
2	1	8	30	23.62	25.06	7	1	1.59	0.70
3	3	11	25	51.42	33.53	12	4	2.70	0.66
4	0	1	36	0.00	263.90	1	1	1.64	0.76
5	1	5	20	37.75	41.37	7	1	2.77	0.70
6	1	4	12	47.15	52.73	9	1	2.53	0.94
7	0	2	36	0.00	115.11	1	1	1.57	1.12
8	2	8	24	47.15	37.30	9	2	1.84	0.54
9	2	10	20	37.75	29.26	13	2	2.16	0.49
10	2	4	24	93.96	81.42	4	3	1.70	0.77
11	2	5	25	75.28	63.02	5	3	2.30	0.77
12	2	9	20	41.93	32.80	12	1	2.03	0.65
13	1	5	28	37.75	41.37	5	1	2.38	0.47
14	2	9	36	41.93	32.80	7	1	2.27	1.09
15	2	11	360	34.33	26.41	1	2	2.25	0.47
16	2	11	28	34.33	26.41	10	3	2.04	0.54
17	1	3	30	62.79	72.53	3	2	1.77	0.53
18	1	7	24	26.99	28.86	8	1	2.23	1.14
19	3	24	30	23.62	14.48	21	4	1.85	0.49
20	1	19	24	9.96	10.22	21	1	1.86	0.61
21	1	44	30	4.30	4.35	39	1	2.07	0.65
22	1	25	27	7.57	7.72	24	2	1.97	0.45
23	2	11	100	34.33	26.41	3	2	1.68	0.45
24	0	9	36	0.00	22.14	7	1	2.11	1.08
25	2	15	35	25.19	18.98	11	3	1.93	0.57
26	1	43	30	4.40	4.45	38	1	1.93	1.13
27	2	11	40	34.33	26.41	7	4	1.58	0.43
28	2	5	32	75.28	63.02	4	1	1.73	0.42
29	8	78	36	19.39	7.22	57	2	1.51	0.81
30	1	2	30	93.96	115.11	2	2	2.00	0.71
31	2	9	20	41.93	32.80	12	2	2.28	0.45
32	1	6	25	31.47	34.01	6	1	1.84	0.73
33	1	7	25	26.99	28.86	7	1	2.03	0.59
34	2	5	49	75.28	63.02	3	2	1.88	0.90
35	2	10	28	37.75	29.26	9	2	2.51	0.73
36	1	2	50	93.96	115.11	1	2	2.24	1.05
37	2	6	18	62.79	51.30	9	2	2.24	0.63
38	2	9	49	41.93	32.80	5	2	2.03	0.52
39	2	7	49	53.86	43.21	4	2	1.30	0.53

Mean Dpar	= 2.00	Pooled Age (Ma)	= 26.5+/- 3.6
Mean Dper	= 0.70	Mean Age (Ma)	= 39.5+/- 4.3
Chi-squared	= 30.932	W.Mean Age (Ma)	= 11.6+/- 2.4
Chi-squared prob	= 0.785	Median Age (Ma)	= 37.7- 3.2+ 2.8

02-EP-53
497-68

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	0	2	12	0.00	115.11	4	1	1.73	0.48
2	2	7	15	53.86	43.21	12	2	1.90	0.58
3	0	2	12	0.00	115.11	4	1	1.26	1.09
4	185	545	100	63.94	5.75	143	4	1.87	0.71
5	0	6	15	0.00	34.01	11	1	1.80	0.95
6	4	17	12	44.39	24.70	37	3	1.93	0.76
7	0	5	24	0.00	41.37	5	1	1.91	0.80
8	1	4	12	47.15	52.73	9	2	1.51	0.47
9	5	17	40	55.44	28.25	11	4	1.68	0.38
10	6	31	16	36.53	16.33	51	4	2.12	0.59
11	0	4	24	0.00	52.73	4	1	1.67	0.37
12	2	2	12	186.57	186.65	4	2	2.47	0.71
13	1	3	15	62.79	72.53	5	1	1.91	0.82
14	2	5	30	75.28	63.02	4	2	2.00	0.90
15	2	3	15	124.98	114.15	5	2	1.98	0.71
16	1	5	20	37.75	41.37	7	1	2.19	0.63
17	1	3	16	62.79	72.53	5	2	2.00	0.89
18	2	8	12	47.15	37.30	18	2	2.20	0.63
19	4	56	45	13.51	7.00	33	4	1.51	0.47
20	1	15	20	12.61	13.03	20	1	2.54	0.63
21	1	3	9	62.79	72.53	9	1	1.88	0.71
22	1	4	15	47.15	52.73	7	1	1.52	0.49
23	1	3	16	62.79	72.53	5	2	1.87	0.85
24	1	2	21	93.96	115.11	3	1	1.78	0.77

Mean Dpar	= 1.89	Pooled Age (Ma)	= 55.9+/- 4.6
Mean Dper	= 0.68	Mean Age (Ma)	= 49.8+/- 9.2
Chi-squared	= 23.785	W.Mean Age (Ma)	= 41.3+/- 3.9
Chi-squared prob	= 0.416	Median Age (Ma)	= 47.2- 10.5+ 4.8

02-EP-54
497-69

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	3	19	60	29.82	18.55	8	3	1.38	0.49
2	0	18	64	0.00	10.80	7	1	1.97	0.54
3	3	19	24	29.82	18.55	21	3	2.21	0.54
4	1	5	32	37.75	41.37	4	2	1.44	0.63
5	4	19	70	39.73	21.89	7	2	1.48	0.49
6	30	202	60	28.05	5.55	88	4	2.03	0.98
7	3	10	56	56.54	37.26	5	4	1.71	0.31
8	2	8	42	47.15	37.30	5	4	2.04	0.44
9	5	19	60	49.62	24.98	8	4	2.43	0.71
10	2	12	30	31.47	24.05	11	3	1.81	0.66
11	1	3	35	62.79	72.53	2	1	2.30	0.38
12	1	4	18	47.15	52.73	6	1	2.32	0.94
13	2	28	45	13.51	9.89	16	2	1.64	0.47
14	0	2	36	0.00	115.11	1	1	2.26	0.89
15	3	42	36	13.51	8.08	31	2	1.54	0.24
16	4	21	30	35.96	19.64	18	2	1.63	0.38
17	1	33	16	5.73	5.82	54	1	1.90	0.72
18	4	26	60	29.06	15.63	11	3	1.94	0.61
19	5	25	80	37.75	18.53	8	4	2.06	0.40
20	0	16	15	0.00	12.19	28	1	1.37	0.00
21	1	5	12	37.75	41.37	11	1	1.53	0.70
22	1	6	16	31.47	34.01	10	1	2.32	0.67
23	1	7	15	26.99	28.86	12	1	1.67	0.25
24	2	5	50	75.28	63.02	3	3	1.92	0.37
25	2	6	36	62.79	51.30	4	2	2.14	1.10
26	3	23	70	24.64	15.14	9	4	1.67	0.33
27	3	16	20	35.39	22.29	21	3	1.52	0.71
28	2	9	40	41.93	32.80	6	1	1.74	0.90
29	2	8	72	47.15	37.30	3	2	1.67	0.28
30	1	6	30	31.47	34.01	5	2	2.05	0.87
31	3	9	60	62.79	41.90	4	3	1.74	0.51
32	1	3	24	62.79	72.53	3	1	1.85	0.19
33	2	7	100	53.86	43.21	2	3	1.63	0.63
34	2	6	30	62.79	51.30	5	2	2.23	0.38
35	1	4	36	47.15	52.73	3	2	1.68	0.21
36	1	2	49	93.96	115.11	1	1	1.65	0.53
37	3	13	48	43.54	27.91	7	3	2.19	0.52
38	3	8	36	70.60	47.84	6	3	1.84	0.59

Mean Dpar	= 1.86	Pooled Age (Ma)	= 30.3+/- 3.3
Mean Dper	= 0.54	Mean Age (Ma)	= 39.7+/- 3.7
Chi-squared	= 24.985	W.Mean Age (Ma)	= 20.3+/- 2.7
Chi-squared prob	= 0.934	Median Age (Ma)	= 37.7- 2.1+ 3.9

02-EP-55
497-70

Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	15	45	90	62.79	18.81	13	4	1.65	0.45
2	10	49	56	38.52	13.41	23	4	1.70	0.30
3	24	101	36	44.82	10.26	74	4	1.58	0.26
4	11	55	80	37.75	12.52	18	4	1.90	0.56
5	10	50	40	37.75	13.12	33	4	1.70	0.51
6	20	116	64	32.55	7.94	48	4	1.60	0.37
7	5	51	80	18.53	8.70	17	4	1.84	0.29
8	14	68	60	38.85	11.46	30	4	1.73	0.48
9	10	41	60	46.00	16.28	18	4	1.57	0.56
10	16	57	70	52.92	15.05	21	4	1.59	0.37
11	11	35	80	59.22	20.54	11	4	1.86	0.40
12	14	77	70	34.33	10.02	29	4	1.76	0.30
13	7	39	60	33.89	13.95	17	4	1.80	0.49
14	16	96	60	31.47	8.55	42	4	1.61	0.44
15	10	49	50	38.52	13.41	26	4	1.77	0.52
16	8	55	80	27.47	10.43	18	4	1.77	0.28
17	4	41	60	18.44	9.67	18	4	1.46	0.28
18	5	17	60	55.44	28.25	7	4	1.54	0.57
19	11	44	80	47.15	15.95	14	4	1.76	0.48
20	12	45	25	50.28	16.40	47	4	1.94	0.44
21	9	33	60	51.42	19.39	14	4	1.71	0.39
22	8	33	25	45.73	18.07	35	4	1.85	0.51
23	10	40	80	47.15	16.73	13	4	1.78	0.44
24	12	35	60	64.58	21.68	15	4	1.73	0.45
25	7	27	80	48.89	20.79	9	4	1.67	0.39

Mean Dpar	= 1.71	Pooled Age (Ma)	= 40.5+/- 2.9
Mean Dper	= 0.42	Mean Age (Ma)	= 42.6+/- 2.8
Chi-squared	= 17.371	W.Mean Age (Ma)	= 36.5+/- 2.8
Chi-squared prob	= 0.832	Median Age (Ma)	= 44.8- 3.2+ 1.7

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Grain Number	Natural Tracks	Induced Tracks	Quads (dmnls)	FT Age (Ma)	1 sigma (Ma)	Uranium (ppm)	Etch Figures	Dpar (microns)	Dper (microns)
1	26	159	36	30.88	6.59	116	4	1.78	0.48
2	16	65	30	46.43	13.03	57	3	1.50	0.51
3	10	33	12	57.11	20.68	72	3	1.63	0.54
4	9	26	18	65.19	25.29	38	3	2.14	0.59
5	7	91	36	14.54	5.72	66	3	1.40	0.34
6	50	280	60	33.71	5.27	123	4	1.63	0.26
7	26	140	80	35.06	7.56	46	4	1.68	0.51
8	22	106	36	39.17	9.25	77	4	1.66	0.39
9	46	209	100	41.53	6.87	55	4	1.76	0.68
10	10	75	50	25.19	8.51	39	4	1.66	0.20
11	24	111	90	40.80	9.26	32	4	1.70	0.45
12	27	139	24	36.66	7.79	152	4	1.98	0.73
13	16	86	56	35.12	9.62	40	4	1.47	0.34
14	5	52	80	18.18	8.53	17	4	1.72	0.66
15	17	168	80	19.13	4.90	55	4	1.66	0.38
16	17	108	32	29.73	7.81	89	4	2.04	0.80
17	15	73	48	38.78	11.05	40	4	1.43	0.44
18	64	396	80	30.52	4.21	130	4	1.81	0.54
19	16	67	18	45.05	12.60	98	4	1.99	0.38
20	13	55	12	44.59	13.81	120	3	1.67	0.44
21	15	77	70	36.77	10.43	29	4	1.51	0.21
22	10	53	28	35.62	12.32	50	4	1.60	0.23
23	0	5	36	0.00	41.37	4	1	1.81	0.29
24	21	138	100	28.74	6.78	36	4	1.50	0.54
25	5	19	36	49.62	24.98	14	4	1.40	0.21
26	4	17	36	44.39	24.70	12	2	1.17	0.43
27	17	178	80	18.05	4.61	58	4	1.84	0.56
28	28	167	70	31.66	6.53	63	4	1.51	0.34
29	5	31	24	30.46	14.71	34	4	1.54	0.34
30	12	57	50	39.73	12.67	30	4	1.38	0.49
31	10	66	60	28.62	9.75	29	4	1.38	0.38
32	20	91	32	41.47	10.31	75	4	1.48	0.43
33	37	164	40	42.57	7.85	108	4	2.07	0.53
34	18	81	60	41.93	10.99	35	4	1.38	0.29
35	2	13	54	29.06	22.09	6	1	1.93	0.72
36	13	110	40	22.33	6.58	72	4	1.45	0.39
37	3	8	15	70.60	47.84	14	2	1.86	0.90
38	9	35	70	48.49	18.18	13	4	1.70	0.57
39	23	137	50	31.70	7.20	72	4	2.04	0.61
40	10	65	40	29.06	9.91	43	4	2.01	0.72

Mean Dpar	= 1.67	Pooled Age (Ma)	= 33.4+/- 1.7
Mean Dper	= 0.47	Mean Age (Ma)	= 35.7+/- 2.4
Chi-squared	= 42.389	W.Mean Age (Ma)	= 30.3+/- 1.6
Chi-squared prob	= 0.327	Median Age (Ma)	= 35.4- 1.5+ 1.6

4. Apatite Fission-Track Length Data

DR-D (Durango age standard)

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.77	4	2.01	0.45	23.99
2	12.67	4	2.01	0.45	66.17
3	15.16	4	2.01	0.45	43.16
4	13.92	4	2.01	0.45	34.05
5	14.54	4	2.02	0.42	34.94
6	11.90	4	2.05	0.38	86.38
7	15.50	4	2.05	0.38	65.13
8	13.86	4	2.04	0.44	51.53
9	13.13	4	2.04	0.44	32.59
10	15.08	4	2.04	0.44	78.80
11	14.63	4	2.04	0.44	67.14
12	15.59	4	2.04	0.44	19.98
13	15.05	4	2.04	0.44	73.85
14	14.43	4	2.10	0.52	63.34
15	13.41	4	2.10	0.52	69.68
16	15.01	4	2.10	0.52	40.87
17	13.17	4	2.10	0.52	47.89
18	14.10	4	2.10	0.52	66.20
19	15.50	4	2.10	0.52	51.06
20	15.77	4	2.10	0.52	41.07
21	13.15	4	2.10	0.52	71.36
22	15.07	4	2.10	0.52	59.98
23	13.73	4	1.89	0.50	41.46
24	14.02	4	1.89	0.50	47.26
25	15.30	4	1.89	0.50	63.94
26	13.47	4	1.89	0.46	69.32
27	14.16	4	1.89	0.46	17.67
28	14.39	4	1.89	0.46	60.29
29	14.51	4	1.88	0.43	43.26
30	15.07	4	1.88	0.43	67.25
31	15.63	4	1.88	0.43	53.22
32	14.19	4	1.88	0.43	85.63

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
33	15.03	4	1.68	0.40	65.55
34	16.19	4	1.87	0.46	52.16
35	13.79	4	1.87	0.46	83.92
36	15.01	4	1.87	0.46	7.68
37	13.55	4	1.87	0.46	57.01
38	15.44	4	1.87	0.46	16.12
39	14.06	4	1.87	0.53	64.93
40	15.74	4	1.87	0.53	43.26
41	14.41	4	1.87	0.53	51.76
42	15.39	4	1.98	0.44	80.32
43	15.75	4	1.98	0.44	28.64
44	14.77	4	1.74	0.61	33.78
45	15.10	4	1.74	0.61	35.62
46	14.53	4	1.74	0.61	63.30
47	14.65	4	1.71	0.48	42.98
48	14.48	4	1.71	0.48	20.31
49	15.89	4	1.71	0.48	41.78
50	13.75	4	1.71	0.48	74.14
51	13.46	4	1.86	0.53	59.29
52	14.61	4	1.86	0.53	74.71
53	13.84	4	1.86	0.53	64.95
54	14.63	4	1.98	0.48	41.75
55	14.44	4	1.98	0.48	57.24
56	13.68	4	1.79	0.43	55.72
57	12.86	4	1.79	0.43	71.78
58	14.74	4	1.98	0.45	74.12
59	14.34	4	1.98	0.45	25.32
60	13.23	4	1.98	0.45	85.50
61	14.41	4	1.79	0.50	53.90
62	13.28	4	2.11	0.41	82.90
63	15.70	4	2.11	0.41	23.85
64	13.99	4	1.98	0.50	74.48
65	12.61	4	1.98	0.50	57.95
66	15.15	4	1.98	0.50	27.30
67	13.80	4	1.98	0.50	64.05
68	13.53	4	1.92	0.52	51.32
69	14.54	4	1.92	0.52	36.19
70	13.94	4	1.93	0.58	40.98
71	15.64	4	1.93	0.58	28.93
72	14.20	4	1.93	0.58	80.71

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
73	15.74	4	1.70	0.47	62.54
74	14.00	4	1.70	0.47	26.12
75	13.09	4	1.70	0.47	52.57
76	14.27	4	1.85	0.60	80.20
77	15.21	4	1.85	0.60	78.22
78	15.59	4	1.85	0.60	40.60
79	16.51	4	1.85	0.52	71.25
80	14.83	4	1.89	0.56	54.52
81	15.44	4	1.89	0.56	30.45
82	13.79	4	1.89	0.56	50.22
83	14.40	4	1.89	0.56	71.84
84	16.29	4	1.89	0.56	42.68
85	15.31	4	1.75	0.69	83.24
86	13.97	4	1.75	0.69	69.83
87	15.37	4	1.75	0.69	44.22
88	14.05	4	1.75	0.69	85.23
89	15.85	4	2.12	0.55	14.79
90	15.92	4	1.97	0.34	17.05
91	13.85	4	1.97	0.34	68.79
92	14.68	4	1.97	0.34	25.63
93	14.77	4	1.69	0.50	64.88
94	14.50	4	1.69	0.50	63.35
95	13.94	4	1.69	0.50	72.01
96	15.33	4	1.86	0.38	42.66
97	14.06	4	1.86	0.38	50.20
98	15.30	4	2.02	0.50	47.92
99	15.67	4	2.02	0.50	33.88
100	16.12	4	1.85	0.45	49.97

Mean Dpar	= 1.91	Std. Dev. (um)	= 0.92
Mean Dper	= 0.49	Skewness	= -0.21
Mean length (um)	= 14.56+/- 0.09	Kurtosis	= -0.42

FC-D (Fish Canyon Tuff age standard)

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.99	4	2.22	0.91	80.13
2	15.62	4	2.22	1.02	41.60
3	12.59	4	2.85	0.63	64.40
4	14.69	4	2.22	0.76	36.05
5	15.98	4	2.08	0.86	3.35
6	14.26	4	2.08	0.86	25.99
7	14.78	4	2.48	0.65	30.81
8	13.76	4	2.48	0.65	34.30
9	15.74	4	2.44	0.79	43.17
10	15.35	4	2.44	0.79	47.67
11	15.13	4	2.43	0.54	34.90
12	14.76	4	2.37	0.53	64.14
13	15.94	4	2.43	0.51	73.00
14	15.99	4	2.24	0.69	33.21
15	14.55	4	2.36	0.88	67.63
16	14.67	4	2.18	0.36	67.96
17	14.68	4	2.60	0.66	78.67
18	15.50	4	2.35	0.77	78.98
19	15.61	4	2.32	0.99	73.86
20	14.99	4	2.39	0.86	46.43
21	14.46	4	2.12	0.82	45.42
22	15.42	4	2.12	0.82	74.25
23	14.34	4	1.96	0.97	72.64
24	14.74	4	2.45	0.58	35.25
25	14.90	4	2.45	0.58	11.32
26	15.51	4	2.25	0.68	35.81
27	15.08	4	2.25	0.68	55.53
28	16.80	4	2.43	1.03	36.41
29	14.95	4	2.43	1.03	86.26
30	14.94	4	1.95	0.80	49.73
31	15.28	4	2.47	0.78	37.98
32	13.69	4	2.23	0.88	88.25
33	14.94	4	2.53	0.66	71.75
34	12.86	4	2.44	0.94	75.00
35	16.41	4	2.28	0.65	25.98
36	14.93	4	2.34	0.92	52.73
37	14.45	4	2.44	0.79	35.88
38	14.25	4	2.18	0.65	66.55

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
39	12.77	4	2.72	1.09	72.07
40	16.17	4	2.37	0.91	28.64
41	14.92	4	2.32	0.79	47.80
42	14.98	4	2.32	0.79	78.54
43	11.28	4	2.32	0.79	57.43
44	15.65	4	2.49	0.57	82.84
45	15.10	4	2.49	0.57	44.83
46	14.44	4	2.58	0.67	58.53
47	14.05	4	2.58	0.67	80.21
48	13.67	4	2.28	0.51	88.46
49	14.45	4	2.41	0.49	85.15
50	15.18	4	2.41	0.49	70.76
51	15.84	4	2.13	0.65	43.85
52	15.16	4	2.65	0.58	70.25
53	15.93	4	2.55	0.54	38.40
54	16.19	4	2.40	0.61	77.98
55	15.02	4	2.43	0.57	67.82
56	14.15	4	2.43	0.57	64.33
57	15.34	4	3.00	0.79	73.61
58	15.05	4	2.30	0.54	54.29
59	15.84	4	2.29	0.64	27.70
60	15.19	4	2.30	0.50	72.16
61	16.29	4	2.67	0.54	20.11
62	14.68	4	2.39	0.73	77.75
63	15.66	4	2.62	0.59	75.81
64	15.92	4	2.62	0.59	76.41
65	15.86	4	2.47	0.62	63.74
66	17.51	4	2.33	0.58	19.66
67	15.97	4	2.51	0.64	88.96
68	15.83	4	2.48	0.54	76.95
69	13.59	4	2.25	0.72	49.83
70	15.75	4	2.25	0.72	80.91
71	15.45	4	2.56	0.47	42.17
72	13.93	4	2.56	0.47	15.68
73	14.77	4	2.28	0.45	72.56
74	16.24	4	2.25	0.79	86.15
75	15.71	4	2.47	0.88	56.45
76	13.89	4	2.24	0.89	66.04
77	13.97	4	2.66	0.60	63.99
78	15.03	4	2.59	0.92	59.04

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
79	16.68	4	2.36	0.40	26.82
80	13.71	4	2.57	0.56	63.25
81	15.79	4	2.18	0.61	15.42
82	16.31	4	2.18	0.61	37.85
83	16.48	4	2.62	0.76	85.41
84	16.16	4	2.39	0.59	14.49
85	14.63	4	2.21	0.62	46.24
86	16.23	4	2.69	0.58	23.51
87	16.19	4	2.35	0.55	67.96
88	14.64	4	2.35	0.55	46.26
89	13.82	4	2.61	0.83	44.45
90	15.47	4	2.17	0.77	80.92
91	17.44	4	2.16	0.72	87.15
92	15.80	4	2.16	0.72	82.70
93	14.22	4	2.36	0.50	42.25
94	14.10	4	2.36	0.50	55.07
95	16.32	4	2.38	0.66	48.53
96	16.54	4	2.38	0.66	84.10
97	13.80	4	2.48	0.80	81.96
98	16.07	4	2.33	0.79	55.39
99	15.53	4	2.63	0.83	79.54
100	15.82	4	2.08	0.80	10.17
Mean Dpar = 2.38 Mean Dper = 0.69 Mean length (um) = 15.12+/- 0.10			Std. Dev. (um) = 1.03 Skewness = -0.60 Kurtosis = 1.11		

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.28	4	2.59	0.70	32.31
2	14.86	4	2.53	0.53	38.43
3	14.93	4	2.33	0.86	47.88
4	13.97	4	2.37	0.80	6.11
5	15.91	4	2.81	0.84	82.01
6	15.13	4	2.81	0.84	43.65
7	17.02	3	3.60	0.85	40.42
8	13.97	4	2.21	0.31	68.21
9	15.18	4	2.21	0.31	68.80
10	17.06	4	2.47	0.94	32.43
11	14.47	4	2.47	0.94	56.83
12	15.96	4	2.56	1.01	75.57
13	14.30	4	2.56	1.01	28.40
14	14.72	4	2.66	0.89	77.53
15	15.31	1	1.88	0.51	88.12
16	14.65	4	2.43	0.66	70.08
17	14.57	4	2.43	0.66	64.95
18	14.52	4	2.61	0.61	64.29
19	15.85	4	2.05	0.34	88.60
20	14.66	4	2.05	0.34	79.77
21	14.62	4	2.05	0.34	48.93
22	16.66	4	3.10	0.72	46.30
23	15.56	4	3.10	0.72	28.38
24	11.46	4	3.10	0.72	48.37
25	13.71	4	2.80	0.84	83.41
26	10.26	4	2.71	0.76	61.90
27	16.71	4	2.74	0.63	18.96
28	14.69	4	2.74	0.63	68.43
29	12.97	4	2.74	0.63	85.36
30	9.40	4	2.74	0.63	53.84
31	14.21	4	2.39	0.67	60.28
32	14.23	4	2.39	0.67	38.03
33	14.80	2	2.77	0.62	47.75
34	15.75	4	2.60	0.98	51.93
35	15.38	4	2.60	0.98	64.94
36	14.71	4	2.68	0.94	89.22
37	16.00	4	3.12	1.04	36.16

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.79	4	2.71	1.12	73.56
39	14.12	4	2.71	1.12	58.19
40	15.81	4	2.74	0.91	42.45
41	14.27	4	2.74	0.91	50.14
42	11.95	4	2.40	0.44	53.53
43	14.56	4	2.58	0.87	65.90
44	15.82	4	2.46	0.65	84.89
45	14.36	4	2.46	0.65	49.30
46	15.26	4	2.04	0.34	46.37
47	16.70	4	2.70	0.94	45.00
48	15.74	4	2.64	0.95	35.21
49	14.46	4	2.64	0.95	87.69
50	11.65	4	2.21	0.38	48.91
51	15.32	4	2.26	0.63	56.96
52	13.17	4	2.26	0.63	46.36
53	14.06	4	2.26	0.63	11.08
54	15.74	4	2.26	0.63	48.83
55	15.71	4	2.26	0.63	12.67
56	10.28	4	2.26	0.63	76.94
57	15.97	4	2.26	0.63	68.35
58	16.22	4	2.26	0.63	41.03
59	13.92	4	2.26	0.63	42.99
60	14.84	4	2.26	0.63	60.32
61	15.40	4	2.26	0.63	32.79
62	15.70	4	2.79	1.10	29.13
63	14.76	4	2.79	1.10	65.95
64	16.52	4	2.54	0.94	26.84
65	15.17	4	2.54	0.94	46.25
66	13.28	4	2.77	0.94	52.00
67	12.60	4	2.77	0.94	67.77
68	14.13	4	2.70	1.03	61.62
69	14.47	4	2.70	1.03	26.75
70	14.03	4	2.70	1.03	58.04
71	15.56	4	2.61	0.65	22.89
72	13.70	4	2.43	0.89	13.96
73	14.66	4	2.43	0.89	88.41
74	13.65	4	2.43	0.77	58.61
75	14.80	4	2.46	0.85	50.60
76	13.43	2	2.67	0.53	19.16
77	14.78	4	2.66	1.09	58.34

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.84	4	2.66	1.09	46.89
79	15.93	4	2.66	1.09	85.67
80	15.03	4	2.66	1.09	31.96
81	11.98	4	2.73	0.76	71.25
82	15.39	3	2.56	0.89	43.18
83	13.40	4	2.87	1.09	55.05
84	15.78	4	2.87	1.09	33.84
85	16.38	4	2.87	1.09	80.34
86	14.82	4	2.87	1.09	34.09
87	13.67	4	2.87	1.09	44.07
88	15.47	4	2.87	1.09	47.62
89	13.65	4	2.87	1.09	62.12
90	15.31	1	2.27	0.63	81.07
91	14.43	2	2.56	0.54	14.29
92	11.43	3	2.45	0.90	77.28
93	15.69	4	2.79	0.94	69.04
94	14.42	4	2.79	0.94	61.42
95	13.69	1	2.67	0.65	60.31
96	17.16	4	2.67	0.95	85.44
97	14.80	4	2.67	0.95	83.14
98	14.81	4	2.67	0.95	21.72
99	16.26	2	3.45	0.67	56.80
100	12.23	2	3.45	0.67	40.98
101	14.14	3	2.61	0.92	62.81
102	16.66	4	2.79	0.86	51.27
103	14.59	4	2.79	0.86	46.73
104	16.74	4	2.79	0.86	39.76
105	12.23	4	2.81	0.47	55.34
106	14.88	4	2.81	0.47	67.64
107	13.75	4	2.81	0.47	54.40
108	14.32	4	2.30	0.38	72.44
109	15.03	2	2.83	0.98	12.59
110	12.54	2	2.83	0.98	32.64
111	12.18	4	2.68	1.04	77.78
112	13.34	4	2.38	1.05	84.46
113	13.14	4	2.84	0.70	52.39
114	14.51	4	2.84	0.70	53.00
115	13.32	4	2.84	0.70	87.93
116	12.94	1	3.07	0.47	88.72
117	12.34	1	3.07	0.47	60.62

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.68	4	2.83	0.67	53.56
119	14.50	4	2.83	0.67	40.22
120	14.21	4	2.67	1.10	63.25
121	13.25	4	2.59	1.10	56.85
122	13.50	4	2.59	1.10	82.75
123	15.46	4	2.59	1.10	66.95
124	15.92	4	2.59	1.10	37.90
125	14.94	4	2.68	0.71	79.24
126	15.49	2	2.66	0.98	51.70
127	15.50	2	2.66	0.98	87.56
128	13.36	3	3.04	0.90	57.56
129	15.70	4	2.72	0.73	37.13
130	14.64	4	2.39	0.57	82.86
131	15.95	4	2.37	0.65	32.85
132	14.11	4	2.45	0.90	56.35
133	13.39	4	2.45	0.90	85.89
134	15.39	4	2.53	0.89	20.71
135	15.07	4	2.47	0.94	69.63
136	15.09	4	2.60	0.82	86.97
137	14.34	4	2.70	1.08	79.89
138	15.19	4	2.70	1.08	63.93
139	14.30	4	2.70	1.08	31.53
140	13.79	4	2.70	1.08	31.63
141	15.69	4	2.28	0.84	62.21
142	13.51	4	2.37	0.80	80.11
143	15.80	4	2.37	0.80	80.85
144	13.69	4	2.37	0.80	41.40
145	14.71	4	2.12	0.39	41.47
146	12.29	2	2.06	0.20	41.80
147	13.29	3	2.48	0.76	64.96
148	14.44	3	2.48	0.76	77.50
149	14.61	4	2.90	0.98	8.44
150	16.91	4	2.90	0.98	72.50
151	16.05	4	2.90	0.98	82.27
152	15.06	4	2.90	0.98	14.30
153	14.10	4	2.60	0.86	77.03
154	15.44	4	2.11	0.38	84.04
155	14.30	4	2.66	0.34	45.97
156	13.37	4	2.31	0.65	56.50
157	14.19	4	2.44	0.82	26.81

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	16.21	2	2.58	0.77	57.26
159	14.16	4	2.71	0.77	71.71
160	15.93	4	2.38	0.92	84.25
161	13.88	4	2.38	0.92	44.18
162	14.06	4	2.38	0.92	50.28
163	14.58	4	2.36	0.85	66.90
164	14.30	4	2.93	0.58	55.99
165	13.76	4	2.93	0.58	51.20
166	14.56	4	2.99	0.91	75.70
167	14.29	4	2.99	0.91	58.21
168	16.21	4	2.99	0.91	32.83
169	15.58	4	2.99	0.91	82.07
170	15.45	4	2.99	0.91	39.27
171	13.96	4	2.99	0.91	68.32
172	16.27	4	2.99	0.91	34.92
173	14.66	4	2.99	0.91	61.06
174	14.37	4	2.99	0.91	1.27
175	13.00	4	2.99	0.91	57.20
176	13.89	4	2.99	0.91	53.55
177	13.85	4	2.99	0.91	77.10
178	14.18	4	2.23	0.95	25.89
179	13.17	4	2.23	0.95	62.28
180	15.45	2	2.57	0.54	81.70
181	15.07	4	2.57	0.90	61.30
182	14.69	4	2.00	0.52	56.50
183	14.76	4	2.79	0.33	36.28
184	13.86	4	2.79	0.33	62.23
185	14.92	4	2.79	0.53	84.06
186	13.80	4	2.79	0.53	45.72
187	14.23	3	2.31	1.01	12.44
188	14.70	4	2.64	0.63	70.89
189	14.77	4	2.64	0.63	59.99
190	16.35	4	2.96	0.95	67.18
191	13.67	4	2.96	0.95	48.82
192	14.93	4	2.41	0.99	79.75
193	13.79	1	2.37	0.81	34.45
194	11.90	4	2.84	0.67	50.14
195	13.92	4	2.84	0.67	24.90
196	12.00	4	2.40	1.17	68.73
197	14.05	4	2.40	1.17	85.26

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	13.73	4	2.40	1.17	66.72
199	15.33	4	2.40	1.17	67.71
200	12.59	4	2.63	0.63	43.66

Mean Dpar	= 2.63	Std. Dev. (um)	= 1.30
Mean Dper	= 0.80	Skewness	= -0.74
Mean length (um)	= 14.51+/- 0.09	Kurtosis	= 1.29

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497-02

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.40	4	2.11	0.81	78.76
2	14.07	4	2.11	0.81	65.14
3	14.59	4	2.43	1.14	73.32
4	14.62	2	2.59	0.96	45.25
5	13.14	2	2.59	0.96	61.18
6	14.77	2	1.79	0.45	29.03
7	14.59	2	1.79	0.45	53.90
8	15.93	4	2.81	0.73	45.91
9	13.65	4	2.81	0.73	78.72
10	14.63	4	2.81	0.73	75.36
11	14.94	4	2.81	0.73	77.99
12	13.19	4	2.65	1.14	80.75
13	12.38	4	2.77	0.53	52.64
14	14.06	4	2.77	0.53	36.23
15	15.77	1	2.73	0.53	75.91
16	16.77	4	2.19	0.87	27.72
17	14.17	4	2.19	0.87	49.44
18	14.05	3	2.03	0.37	26.56
19	13.62	3	2.03	0.37	34.44
20	12.46	3	2.03	0.37	25.48
21	13.68	3	2.03	0.37	42.95
22	13.83	4	2.76	1.18	49.77
23	15.07	4	1.96	0.31	55.19
24	13.82	4	2.66	1.05	80.17
25	14.10	4	2.66	1.05	52.53
26	15.44	4	2.36	0.78	60.62
27	14.73	4	2.36	0.78	44.01
28	14.50	2	1.91	0.40	79.95
29	14.36	2	2.39	0.45	68.06
30	13.96	2	2.39	0.45	46.15
31	11.37	4	2.26	0.70	82.24
32	15.47	4	2.85	1.17	87.59
33	15.04	4	2.85	1.17	53.41
34	14.15	4	2.85	1.17	24.12
35	15.25	4	2.85	1.17	75.08
36	12.97	2	2.36	1.09	30.00
37	11.42	2	2.36	1.09	76.20

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	12.72	2	2.36	1.09	55.90
39	14.95	4	2.99	0.62	57.75
40	13.60	4	2.99	0.62	37.81
41	14.83	4	2.99	0.62	27.06
42	14.11	4	2.59	1.14	19.52
43	15.43	4	2.59	1.14	32.61
44	14.24	4	2.59	1.14	67.29
45	14.30	2	2.38	0.51	61.76
46	12.55	2	2.38	0.51	62.02
47	12.07	4	2.33	0.86	50.95
48	11.81	4	2.33	0.86	73.13
49	14.78	4	2.33	0.86	72.15
50	13.41	1	2.64	0.72	42.24
51	15.33	4	2.74	0.73	45.91
52	12.95	4	2.74	0.73	78.72
53	14.33	4	2.74	0.73	75.36
54	14.54	4	2.74	0.73	77.99
55	13.69	4	2.61	1.14	80.75
56	12.88	4	2.41	0.53	52.64
57	14.16	4	2.41	0.53	36.23
58	15.37	1	2.61	0.53	75.91
59	15.77	4	2.43	0.87	27.72
60	14.19	4	2.43	0.87	49.44
61	14.35	3	2.10	0.37	26.56
62	13.32	3	2.10	0.37	34.44
63	12.46	3	2.10	0.37	25.48
64	13.77	3	2.10	0.37	42.95
65	13.73	4	2.81	1.18	49.77
66	15.37	4	2.11	0.31	55.19
67	13.92	4	2.71	1.05	80.17
68	14.19	4	2.71	1.05	52.53
69	15.14	4	2.32	0.78	60.62
70	14.70	4	2.32	0.78	44.01
71	14.80	2	2.05	0.40	79.95
72	14.38	2	2.40	0.45	68.06
73	13.86	2	2.40	0.45	46.15
74	11.97	4	2.32	0.70	82.24
75	15.17	4	2.94	1.17	87.59
76	15.14	4	2.94	1.17	53.41
77	13.15	4	2.94	1.17	24.12

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.25	4	2.94	1.17	75.08
79	13.97	2	2.28	1.09	30.00
80	12.42	2	2.28	1.09	76.20
81	13.72	2	2.28	1.09	55.90
82	14.65	4	3.05	0.62	57.75
83	14.45	4	3.05	0.62	37.81
84	14.73	4	3.05	0.62	27.06
85	14.31	4	2.38	1.14	19.52
86	15.23	4	2.38	1.14	32.61
87	14.34	4	2.38	1.14	67.29
88	12.28	4	2.53	0.63	38.12

Mean Dpar	= 2.49	Std. Dev. (um)	= 1.07
Mean Dper	= 0.79	Skewness	= -0.47
Mean length (um)	= 14.11+/- 0.11	Kurtosis	= 0.00

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497-03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	16.15	2	2.16	0.49	52.56
2	13.02	3	2.28	0.47	82.32
3	12.62	4	2.38	0.91	53.68
4	14.47	4	3.47	1.04	22.71
5	15.35	4	3.37	1.45	46.44
6	14.36	4	3.37	1.45	60.01
7	14.40	3	2.17	0.16	62.02
8	15.60	4	2.06	0.52	71.08
9	14.50	2	3.25	1.42	35.32
10	16.20	2	3.25	1.42	47.07
11	16.02	2	2.28	0.54	58.36
12	15.57	4	2.53	0.85	55.10
13	13.84	4	2.53	0.85	51.59
14	14.97	4	3.09	1.23	81.86
15	13.96	4	3.09	1.23	38.45
16	15.59	4	2.37	0.67	57.75
17	14.38	4	2.37	0.67	39.18
18	14.31	4	2.24	0.81	40.17
19	13.56	4	2.30	0.54	47.61
20	16.35	4	2.72	1.09	30.73
21	15.68	4	2.72	1.09	12.80
22	14.43	2	2.28	0.73	13.34
23	15.00	4	3.00	0.62	30.76
24	15.14	4	3.00	0.62	59.12
25	14.65	3	2.21	0.71	39.22
26	13.95	4	2.32	0.70	46.95
27	6.71	4	2.17	0.84	84.12
28	12.40	4	2.56	0.80	76.46
29	15.62	4	3.21	1.42	79.98
30	13.57	4	2.30	0.85	82.52
31	14.87	4	2.30	0.85	30.22
32	13.88	4	2.30	0.85	35.02
33	11.85	1	3.11	1.06	75.99
34	15.68	4	2.79	1.27	46.59
35	14.17	4	2.79	1.27	71.03
36	13.92	4	2.79	1.27	42.24
37	14.14	3	1.48	0.26	89.12

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.62	2	1.93	0.72	53.34
39	15.12	4	2.31	0.49	6.72
40	13.86	4	2.48	0.48	81.22
41	16.03	4	2.60	1.01	50.36
42	14.10	4	2.60	1.01	77.27
43	15.22	4	2.36	0.63	31.01
44	14.10	4	2.36	0.63	78.99
45	13.40	4	2.61	0.24	48.96
46	15.97	4	2.71	0.92	1.71
47	9.85	4	2.45	0.92	76.70
48	12.32	4	2.45	0.92	58.30
49	14.49	4	3.03	1.38	41.94
50	13.97	4	3.03	1.38	70.69
51	12.98	1	2.61	0.56	73.83
52	14.83	4	2.45	0.45	51.63
53	13.62	4	2.45	0.45	89.09
54	15.05	4	3.30	1.20	59.15
55	13.54	4	3.30	1.20	37.59
56	14.25	4	3.30	1.20	37.76
57	14.20	4	3.30	1.20	36.41
58	15.72	4	2.44	0.82	48.21
59	13.99	4	2.44	0.82	36.73
60	13.72	4	2.76	0.98	52.43
61	16.70	4	2.76	0.98	24.37
62	14.83	4	2.76	0.98	71.07
63	14.18	4	2.76	0.98	59.76
64	14.14	4	2.76	0.98	38.02
65	15.87	4	2.76	0.98	42.82
66	11.38	4	2.76	0.98	80.33
67	15.26	4	2.39	0.81	58.73
68	14.04	4	2.39	0.81	88.22
69	15.76	4	2.27	0.47	85.54
70	13.76	4	2.50	1.08	79.15
71	14.49	4	2.50	1.08	38.30
72	12.11	1	2.13	0.54	69.68
73	14.79	1	1.83	0.40	77.35
74	14.69	1	1.83	0.40	48.66
75	13.07	4	1.87	0.35	83.90
76	14.79	4	2.59	1.00	33.03
77	15.06	4	3.23	1.03	52.50

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.39	4	2.20	0.95	48.14
79	13.68	4	2.17	0.85	51.35
80	14.17	4	2.52	0.94	58.14
81	15.22	4	2.52	0.94	32.26
82	14.25	4	2.52	0.94	71.11
83	14.99	4	2.46	0.75	88.37
84	14.17	4	2.46	0.75	57.74
85	13.81	4	2.46	0.75	55.29
86	14.13	2	2.48	0.66	65.19
87	14.35	4	1.67	0.42	22.84
88	14.02	4	2.51	0.96	89.97
89	13.91	4	2.41	1.00	81.47
90	15.08	4	2.41	1.00	46.96
91	14.18	4	2.41	1.00	49.08
92	13.84	4	2.41	1.00	44.30
93	14.30	4	2.27	0.73	89.32
94	13.01	4	2.43	0.35	43.54
95	15.08	4	3.27	0.91	81.35
96	14.98	4	2.37	0.54	86.64
97	14.24	4	1.91	0.35	74.01
98	11.15	4	2.40	0.58	85.65
99	14.62	4	2.40	0.58	54.13
100	11.83	4	2.40	0.58	31.25
101	13.72	4	2.40	0.58	68.94
102	14.99	4	2.31	0.30	69.82
103	14.19	4	1.92	0.38	77.25
104	13.05	4	1.92	0.38	82.65
105	15.72	4	3.44	1.39	58.40
106	13.13	4	2.11	0.42	67.25
107	13.96	4	2.11	0.42	50.01
108	14.55	4	1.83	0.40	63.42
109	13.79	4	1.83	0.40	53.48
110	15.25	4	2.19	0.76	42.34
111	14.80	4	2.19	0.76	14.29
112	13.66	4	2.19	0.76	52.27
113	14.08	4	2.44	0.82	36.83
114	14.61	4	2.44	0.82	50.52
115	14.25	2	1.76	0.48	35.66
116	14.41	4	2.90	0.84	67.50
117	14.99	4	2.90	0.84	72.93

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.49	4	2.90	0.84	57.23
119	16.10	4	2.00	0.48	77.67
120	14.14	4	2.00	0.48	27.35
121	9.88	4	2.30	0.84	53.41
122	10.16	4	2.08	0.31	62.36
123	14.12	4	2.32	0.94	81.48
124	15.10	4	2.61	0.98	30.31
125	13.43	4	2.61	0.98	45.94
126	15.68	4	2.61	1.08	41.34
127	15.20	4	2.61	1.08	70.72
128	12.10	4	2.07	0.43	75.11
129	12.51	4	1.94	0.43	76.04
130	13.46	4	1.94	0.43	54.92
131	14.06	4	1.94	0.43	61.60
132	14.48	4	2.64	0.78	60.19
133	15.42	4	2.64	0.78	47.54
134	14.04	4	2.64	0.78	81.94
135	15.37	4	2.64	0.78	89.91
136	14.62	4	2.64	0.78	58.39
137	14.31	4	1.88	0.86	35.12
138	13.65	4	1.88	0.86	17.33
139	14.42	4	1.88	0.86	26.65
140	16.80	4	2.20	0.19	34.39
141	13.41	4	2.20	0.19	85.06
142	14.72	4	2.72	0.98	46.67
143	12.97	4	2.21	0.48	80.69
144	15.16	4	2.32	0.90	42.48
145	13.34	4	2.32	0.90	31.68
146	14.33	4	2.32	0.90	62.58
147	13.69	4	2.44	0.90	86.66
148	14.24	4	2.44	0.90	55.29
149	15.26	4	2.99	0.96	82.18
150	16.88	4	2.78	0.91	76.09
151	14.01	4	2.78	0.91	25.79
152	13.03	4	2.78	0.91	89.86
153	14.31	4	1.78	0.24	86.55
154	14.11	4	2.08	0.96	25.82
155	12.16	4	2.60	0.85	71.79
156	14.88	4	2.60	0.85	47.56
157	14.27	4	2.60	0.85	87.20

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	11.74	4	2.16	0.67	86.11
159	15.26	4	2.46	1.04	48.57
160	13.61	4	2.46	1.04	16.44
161	14.63	4	2.32	0.82	42.48
162	15.16	4	2.32	0.82	44.43
163	15.22	4	2.32	0.82	23.67
164	14.59	4	1.99	0.40	83.83
165	14.03	4	2.18	0.94	65.34
166	13.48	4	2.18	0.94	72.36
167	16.98	3	2.07	0.42	9.48
168	14.30	4	3.09	0.86	48.57
169	12.93	4	3.09	0.86	82.58
170	17.39	4	3.03	1.15	63.25
171	14.66	4	2.37	0.66	45.00
172	15.12	4	2.63	0.98	64.16
173	17.48	4	2.63	0.98	30.92
174	13.00	4	2.63	0.98	65.11
175	14.68	4	2.63	0.98	30.71
176	12.73	4	2.27	0.94	52.21
177	15.00	4	2.27	0.94	67.39
178	12.66	4	2.27	0.94	46.45
179	11.56	4	2.11	0.85	35.66
180	11.98	4	2.72	0.85	72.83
181	14.85	4	2.72	0.85	50.61
182	14.34	2	2.14	1.42	44.35
183	14.26	4	2.98	1.09	63.81
184	10.84	4	2.98	1.09	80.68
185	14.55	4	2.98	1.09	22.71
186	14.62	4	2.36	0.29	74.07
187	14.05	4	2.36	0.29	52.93
188	13.94	4	2.36	0.29	65.14
189	13.86	4	2.36	0.29	87.15
190	14.88	4	2.36	0.29	26.32
191	14.13	4	2.36	0.29	51.50
192	14.07	4	2.67	0.95	72.41
193	14.54	4	2.67	0.95	13.28
194	14.26	4	2.31	0.80	56.36
195	14.05	4	2.31	0.80	58.56
196	16.05	2	2.18	0.96	21.75

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
Mean Dpar = 2.47			Std. Dev. (um) = 1.35		
Mean Dper = 0.80			Skewness = -1.32		
Mean length (um) = 14.21+/- 0.10			Kurtosis = 5.19		

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.50	4	2.10	0.45	50.21
2	14.58	4	2.10	0.45	25.45
3	15.40	4	2.10	0.45	52.17
4	16.46	4	2.10	0.45	27.94
5	16.26	4	2.10	0.45	61.27
6	15.08	4	2.10	0.45	79.97
7	12.78	4	2.27	0.62	45.34
8	12.39	4	2.36	0.73	49.02
9	13.76	4	2.36	0.73	64.39
10	13.95	4	2.36	0.73	24.10
11	17.44	4	2.94	1.06	89.04
12	15.09	4	2.94	1.06	79.40
13	16.19	4	2.94	1.06	12.35
14	17.26	4	2.94	1.06	63.23
15	14.36	4	2.94	1.06	62.14
16	13.16	4	2.33	0.59	45.41
17	12.17	4	2.33	0.59	72.08
18	12.70	4	2.33	0.59	53.40
19	13.05	4	2.33	0.59	61.17
20	12.28	4	2.33	0.59	81.03
21	13.87	4	2.33	0.51	41.22
22	15.35	3	2.13	0.29	24.25
23	15.80	4	2.39	0.82	44.32
24	13.97	4	2.39	0.82	58.20
25	14.69	4	2.39	0.82	21.65
26	14.71	4	2.39	0.82	71.07
27	16.13	4	2.33	0.61	44.61
28	14.19	4	2.33	0.61	30.74
29	16.60	4	3.10	1.26	66.93
30	12.33	4	3.10	1.26	43.14
31	12.41	4	3.10	1.26	86.19
32	17.11	4	2.13	0.70	14.73
33	14.45	4	2.06	0.68	70.55
34	13.25	4	2.18	0.30	69.46
35	13.31	4	2.51	0.65	84.93
36	14.27	4	2.51	0.65	56.27
37	12.82	4	2.79	0.56	68.13

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.98	4	2.00	0.81	75.21
39	14.12	4	2.00	0.81	38.04
40	11.33	4	2.33	0.98	57.56
41	15.39	3	2.33	0.52	54.07
42	13.70	3	2.33	0.52	40.41
43	14.91	4	2.11	0.65	53.16
44	16.32	4	3.93	0.84	74.32
45	15.08	4	3.93	0.84	55.43
46	15.40	4	2.90	1.06	37.75
47	15.04	4	2.16	0.43	61.39
48	15.78	4	2.16	0.43	64.79
49	14.78	4	2.32	0.49	70.28
50	16.35	4	2.32	0.49	53.25
51	12.84	4	2.32	0.49	42.81
52	13.91	4	2.28	0.54	21.64
53	14.95	4	2.28	0.54	70.06
54	13.84	4	2.28	0.54	57.09
55	15.03	4	2.30	0.40	79.30
56	13.19	4	1.79	0.35	51.36
57	15.06	4	1.79	0.35	72.98
58	14.27	4	2.00	0.33	87.56
59	13.54	4	2.00	0.33	47.58
60	12.65	1	2.27	0.52	77.87
61	13.80	4	2.48	0.34	77.09
62	13.05	4	2.23	1.05	62.24
63	16.13	4	2.46	0.67	32.58
64	15.24	4	2.46	0.67	84.72
65	13.62	4	2.43	0.40	44.08
66	15.58	4	2.43	0.40	87.11
67	16.59	2	1.87	0.49	8.96
68	13.91	2	1.87	0.49	88.78
69	14.29	4	2.46	0.33	51.58
70	16.15	4	2.46	0.33	58.55
71	15.93	4	2.46	0.33	37.99
72	15.94	4	2.50	0.31	36.25
73	15.80	4	2.44	0.42	51.49
74	13.31	4	2.44	0.42	60.15
75	12.15	4	2.44	0.42	88.85
76	17.48	4	2.19	0.42	62.68
77	14.26	4	2.19	0.42	31.88

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.94	4	2.51	0.31	37.43
79	15.44	4	2.07	0.39	34.49
80	14.31	4	2.07	0.39	40.84
81	15.81	4	2.21	0.45	4.08
82	15.47	4	2.91	0.86	78.96
83	13.78	4	2.91	0.86	44.60
84	14.53	4	2.39	0.52	60.38
85	16.56	4	2.39	0.52	63.52
86	15.20	4	2.28	0.54	46.12
87	15.47	4	2.37	0.73	64.83
88	15.23	4	2.37	0.73	35.99
89	13.59	4	1.76	0.35	75.49
90	13.73	4	1.63	0.35	79.74
91	11.74	4	1.63	0.35	79.82
92	15.92	4	1.97	0.38	88.79
93	13.88	4	2.06	0.45	67.35
94	12.98	4	2.06	0.45	37.46
95	14.71	4	2.30	0.94	61.08
96	13.64	4	2.30	0.94	51.05
97	14.69	4	2.34	0.63	54.72
98	13.28	4	2.23	0.78	66.76
99	12.47	4	3.04	0.98	79.95
100	15.44	4	3.04	0.98	66.54
101	15.43	4	3.04	0.98	38.99
102	15.67	4	2.41	0.81	36.48
103	14.43	4	3.64	0.63	64.56
104	15.76	4	2.84	1.28	59.11
105	7.70	4	2.30	0.59	61.98
106	14.23	4	2.66	1.29	49.85
107	15.69	4	2.66	1.29	84.19
108	14.00	4	2.66	1.29	52.18
109	14.18	4	2.24	0.58	46.11
110	14.80	4	2.23	0.49	47.63
111	14.20	4	2.23	0.49	73.59
112	13.91	4	2.48	0.59	45.28
113	13.69	4	3.06	0.86	85.31
114	14.23	2	2.10	0.28	79.00
115	13.46	4	2.33	0.34	88.52
116	10.90	4	2.52	0.42	48.90
117	12.84	4	2.52	0.42	76.56

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.67	4	2.38	0.45	58.38
119	14.94	4	2.38	0.45	72.14
120	15.15	4	2.13	0.72	71.21
121	14.23	4	2.13	0.72	78.25
122	15.43	4	2.76	0.99	24.03
123	13.70	4	2.76	0.99	78.70
124	12.94	4	2.25	0.81	50.89
125	14.62	4	2.19	0.47	27.48
126	14.66	4	2.19	0.47	39.09
127	10.36	4	2.97	1.22	87.97
128	13.76	4	2.97	1.22	18.18
129	14.86	3	2.88	1.45	16.49
130	12.67	3	1.91	0.75	69.14
131	13.90	4	2.33	0.39	89.79
132	11.66	4	2.85	0.71	55.50
133	12.40	4	2.85	0.71	70.07
134	12.78	4	2.85	0.71	79.12
135	13.87	4	2.85	0.71	89.52
136	13.52	4	1.83	0.11	51.53
137	13.89	4	1.83	0.11	55.37
138	13.56	4	1.83	0.11	17.90
139	14.03	4	2.45	0.99	54.31
140	12.97	4	2.45	0.99	77.21
141	13.31	4	2.45	0.99	56.16
142	14.66	4	2.24	0.67	61.48
143	14.74	4	2.00	0.26	49.97
144	16.10	4	2.28	0.42	74.52
145	13.89	4	2.28	0.42	70.08
146	13.25	4	2.39	0.95	54.89
147	10.80	4	3.38	1.00	66.19
148	11.70	4	3.38	1.00	74.92
149	15.48	4	2.34	0.66	74.14
150	13.74	4	2.34	0.66	30.53
151	16.12	4	2.34	0.66	58.01
152	12.50	4	2.26	0.38	79.24
153	11.77	4	2.26	0.38	63.39
154	13.80	4	2.71	0.80	78.01
155	15.34	4	2.71	0.80	58.24
156	15.63	4	2.77	0.84	15.54
157	13.04	4	2.77	0.84	85.99

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.84	4	2.17	0.49	45.21
159	16.31	4	2.17	0.49	68.20
160	16.18	4	2.37	0.68	32.19
161	15.24	4	2.08	0.44	55.70
162	14.31	4	2.08	0.44	65.49
163	13.21	4	2.08	0.44	87.53
164	12.88	4	2.26	0.33	61.55
165	16.59	4	2.40	0.87	18.24
166	13.28	4	2.40	0.87	44.28
167	11.70	4	2.40	0.87	32.76
168	12.44	4	2.56	0.86	48.94
169	15.37	4	3.12	1.10	52.72
170	14.18	4	2.23	0.68	79.60
171	14.13	4	2.23	0.68	21.19
172	14.47	4	2.45	0.48	52.27
173	15.09	4	2.45	0.48	67.28
174	16.58	4	2.45	0.48	51.00
175	14.30	4	2.60	0.84	49.67
176	13.75	4	2.60	0.84	78.37
177	15.85	4	2.81	0.95	49.39
178	15.98	2	1.90	0.25	61.73
179	14.99	4	2.46	0.92	28.70
180	15.94	4	2.21	0.52	67.37
181	16.58	4	2.21	0.52	50.25
182	13.57	4	2.51	0.65	52.88
183	15.25	4	2.51	0.65	23.56
184	12.64	4	2.25	0.67	69.89
185	15.26	4	3.04	0.99	79.57
186	12.83	4	2.40	0.82	86.85
187	14.11	4	2.40	0.82	64.03
188	15.27	4	2.05	0.78	62.39
189	10.82	4	2.64	1.08	72.32
190	14.52	4	2.08	0.53	62.30
191	13.25	4	2.08	0.53	16.47
192	15.23	4	2.38	0.54	74.15
193	15.04	4	2.38	0.54	78.13
194	14.20	4	2.18	0.38	32.14
195	15.19	4	2.18	0.38	79.54
196	13.29	4	2.14	0.25	41.39
197	15.33	4	2.14	0.25	42.91

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	12.55	4	2.14	0.25	47.85
199	12.42	4	2.47	0.62	88.27
200	13.16	4	2.47	0.62	56.69

Mean Dpar	= 2.41	Std. Dev. (um)	= 1.46
Mean Dper	= 0.65	Skewness	= -0.59
Mean length (um)	= 14.28+/- 0.10	Kurtosis	= 1.25

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.06	3	1.65	0.38	72.51
2	12.70	3	1.65	0.38	48.50
3	14.37	3	1.65	0.38	37.87
4	15.28	2	2.01	1.22	68.84
5	13.87	1	1.71	0.44	56.22
6	14.81	4	2.56	1.10	45.09
7	11.92	4	2.38	0.82	46.93
8	12.74	4	2.38	0.82	69.17
9	13.29	4	2.30	1.26	5.98
10	11.76	4	3.18	1.06	41.35
11	12.60	4	3.18	1.06	83.48
12	11.86	4	3.18	1.06	82.28
13	15.66	4	3.04	1.26	64.90
14	11.70	4	2.25	0.62	75.20
15	15.53	3	1.61	0.20	79.50
16	15.69	4	2.87	0.94	56.53
17	16.47	4	2.87	0.94	8.69
18	15.35	4	2.87	0.94	53.27
19	13.24	4	2.87	0.94	42.60
20	11.32	4	2.87	0.94	19.99
21	16.37	4	2.87	0.94	18.61
22	12.85	4	3.04	0.96	73.21
23	16.13	4	3.04	0.96	87.31
24	13.51	4	2.96	1.03	14.25
25	14.31	4	2.96	1.03	64.44
26	16.09	4	2.96	1.03	82.58
27	14.10	4	2.74	1.03	71.84
28	15.11	4	2.74	1.03	27.69
29	14.72	4	3.18	1.31	44.05
30	13.02	4	3.18	1.31	19.94
31	14.90	4	3.40	0.81	87.48
32	10.05	4	3.40	0.81	65.92
33	15.90	4	3.94	1.22	44.27
34	12.96	4	3.94	1.22	44.15
35	16.42	4	3.18	1.27	3.22
36	15.15	4	3.18	1.27	0.58
37	13.97	4	2.34	0.89	14.20

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.56	4	2.34	0.89	47.58
39	12.85	4	2.10	0.58	29.25
40	15.28	4	3.04	1.36	44.05
41	15.54	4	3.04	1.36	15.18
42	4.96	4	3.04	1.36	51.64
43	14.36	4	2.74	1.14	57.18
44	15.02	4	2.74	1.14	21.33
45	12.29	4	2.74	1.14	43.67
46	7.77	4	2.74	1.14	67.52
47	14.47	4	2.74	1.14	30.34
48	13.21	4	2.74	1.14	40.41
49	13.21	4	3.13	1.24	62.43
50	13.00	4	3.09	1.00	67.70
51	15.51	4	3.67	1.51	55.97
52	15.75	4	3.67	1.51	74.91
53	14.61	4	3.67	1.51	67.98
54	15.38	4	2.28	0.91	45.19
55	14.27	4	3.24	0.73	82.09
56	10.64	4	3.24	0.73	80.01
57	14.78	4	2.83	0.77	61.11
58	15.16	4	2.46	0.48	44.98
59	14.60	4	3.29	1.51	43.56
60	14.34	4	3.29	1.51	43.36
61	13.31	4	3.65	1.61	67.08
62	14.33	4	3.65	1.61	75.77
63	16.48	4	2.12	0.62	63.49
64	14.35	4	2.12	0.62	80.50
65	13.86	4	2.12	0.62	75.79
66	13.12	4	3.10	1.22	81.11
67	12.19	4	3.10	1.22	38.37
68	11.46	4	2.06	0.67	50.67
69	12.18	4	2.06	0.67	73.26
70	16.39	4	2.77	0.90	12.67
71	12.79	4	2.77	0.90	64.46
72	13.82	4	2.77	0.90	62.19
73	15.53	4	2.77	0.90	23.73
74	12.10	4	2.33	0.78	44.44
75	14.73	4	3.34	0.95	22.78
76	15.13	4	3.34	0.95	28.60
77	12.09	4	3.24	0.75	73.03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.85	2	2.73	0.82	54.58
79	15.85	4	2.40	1.08	34.38
80	12.82	4	2.40	1.08	78.06
81	14.77	4	2.40	1.08	54.62
82	12.63	4	2.24	1.08	79.64
83	14.28	4	2.50	0.34	22.71
84	13.42	4	2.50	0.34	79.24
85	7.22	4	3.13	1.22	79.85
86	16.02	4	3.13	1.22	3.88
87	14.45	4	2.67	0.25	24.28
88	14.92	4	2.67	0.25	69.98
89	14.07	4	2.25	0.34	44.73
90	15.04	4	2.25	0.34	41.35
91	12.87	4	2.25	0.34	11.36
92	15.93	4	2.25	0.34	22.62
93	14.45	4	1.81	0.42	70.74
94	9.23	4	1.81	0.42	81.90
95	14.76	4	1.88	0.47	36.00
96	17.06	4	1.88	0.47	53.54
97	16.60	4	1.88	0.47	20.82
98	15.46	4	2.53	0.45	50.33
99	15.49	4	3.10	0.75	83.16
100	15.73	4	2.67	1.23	78.47
101	14.78	4	2.51	1.09	75.24
102	13.06	4	2.11	0.53	63.16
103	9.95	4	2.11	0.53	84.43
104	15.37	4	3.09	1.04	36.43
105	15.16	4	2.07	1.10	89.36
106	15.01	1	2.70	0.49	46.25
107	13.92	4	3.41	0.68	45.92
108	15.36	4	3.41	0.68	28.65
109	12.04	4	3.20	0.86	54.72
110	13.09	4	3.07	1.36	87.68
111	15.52	4	3.07	1.36	84.24
112	14.01	4	3.07	1.36	78.58
113	14.23	4	3.12	0.82	80.53
114	11.66	4	2.66	0.59	70.71
115	14.42	4	2.66	0.59	47.43
116	14.41	4	2.66	0.59	40.99
117	12.46	4	2.66	0.59	28.07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.23	4	2.37	0.56	51.50
119	14.15	4	2.37	0.56	36.98
120	15.86	4	2.66	0.81	89.51
121	16.85	4	2.66	0.81	18.50
122	15.36	4	2.66	0.81	89.35
123	13.63	4	2.66	0.81	79.12
124	14.28	4	2.66	0.81	64.98
125	13.95	4	3.06	0.85	69.93
126	10.69	4	3.06	0.85	36.38
127	16.23	4	3.06	0.85	46.60
128	15.68	4	3.40	1.27	88.79
129	12.74	4	3.40	1.27	40.92
130	13.78	4	3.40	1.27	62.46
131	12.27	4	2.40	0.66	58.79
132	12.33	4	2.40	0.66	40.55
133	15.54	4	2.10	0.28	65.66
134	16.66	4	2.10	0.28	39.01
135	12.64	4	2.21	0.40	37.21
136	12.85	4	2.57	0.80	36.56
137	15.79	4	2.57	0.80	83.23
138	15.57	4	2.57	0.80	47.02
139	7.69	4	2.92	1.39	70.54
140	14.40	4	2.92	1.39	44.17
141	15.02	4	2.92	1.39	77.80
142	15.27	4	2.92	1.39	64.07
143	13.86	4	2.60	1.09	13.27
144	12.84	4	2.60	1.09	72.41
145	12.32	4	2.60	1.09	32.86
146	14.34	4	2.60	1.09	32.74
147	14.00	4	2.60	1.09	53.03
148	15.15	4	2.56	0.48	68.16
149	15.13	4	2.80	1.06	74.05
150	14.50	2	2.03	0.38	53.96
151	13.85	2	2.03	0.38	70.71
152	10.08	4	2.20	0.47	74.21
153	16.10	4	2.76	0.98	48.72
154	15.52	4	2.71	1.20	69.15
155	15.91	4	2.19	0.62	41.75
156	14.96	4	2.85	1.38	81.44
157	14.67	4	2.85	1.38	77.66

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.91	4	2.85	1.38	65.54
159	13.70	4	2.85	1.38	70.26
160	11.20	4	2.90	0.66	34.62
161	15.50	4	2.90	0.66	68.85
162	16.36	4	2.90	0.66	70.03
163	15.75	4	2.90	0.66	34.86
164	13.26	4	2.53	0.81	83.78
165	13.67	4	2.53	0.81	77.49
166	15.34	4	2.03	0.40	28.38
167	14.08	4	2.27	0.82	86.77
168	15.28	4	2.27	0.82	29.57
169	14.41	4	3.14	0.73	89.00
170	16.60	2	2.13	0.47	27.07
171	13.37	4	2.03	0.49	81.60
172	14.24	4	1.86	0.23	89.61
173	15.53	4	1.86	0.23	48.47
174	14.26	4	1.86	0.23	62.15
175	14.41	4	3.56	0.76	22.41
176	13.33	4	2.94	0.80	80.04
177	13.13	4	2.94	0.80	26.56
178	13.66	4	2.94	0.80	79.02
179	15.18	4	2.93	1.17	11.47
180	15.20	4	2.93	1.17	56.61
181	14.45	4	2.93	1.17	82.99
182	12.73	4	2.93	1.17	44.40
183	14.78	4	2.14	0.49	15.69
184	15.53	4	2.14	0.49	7.15
185	15.29	4	2.70	0.92	38.97
186	15.11	4	2.52	0.62	51.30
187	15.01	4	2.47	0.95	45.56
188	15.26	4	2.47	0.95	5.07
189	14.02	4	2.47	0.95	54.11
190	13.76	4	2.47	0.95	55.49
191	14.70	4	2.80	0.66	64.86
192	15.13	4	2.80	0.66	24.58
193	15.17	4	1.55	0.33	40.87
194	15.28	4	2.44	1.19	59.36
195	14.17	4	2.44	1.19	74.52
196	14.29	4	3.36	0.71	70.31
197	14.79	4	3.36	0.71	48.47

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	15.74	4	3.36	0.71	62.75
199	16.07	4	3.36	0.71	64.01
200	16.25	4	3.36	0.71	72.30

Mean Dpar	= 2.70	Std. Dev. (um)	= 1.80
Mean Dper	= 0.87	Skewness	= -1.63
Mean length (um)	= 14.11+/- 0.13	Kurtosis	= 4.45

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No confined track lengths.

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497-07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.80	4	2.18	0.95	73.31
2	15.53	4	2.18	0.95	38.71
3	14.52	4	2.18	0.95	64.62
4	16.08	4	2.20	1.01	31.29
5	12.53	4	2.20	1.01	42.75
6	14.44	4	2.20	1.01	82.89
7	14.57	4	2.20	1.01	65.61
8	13.48	4	2.46	0.92	75.55
9	13.22	4	2.51	0.68	40.47
10	12.77	4	2.51	0.68	69.97
11	14.01	4	1.97	0.34	83.02
12	13.51	4	1.97	0.34	68.37
13	14.08	2	1.61	0.45	89.43
14	13.61	4	1.80	0.34	59.22
15	12.49	4	1.80	0.34	50.71
16	15.80	4	2.48	0.71	44.20
17	14.39	4	2.48	0.71	74.94
18	13.82	4	2.48	0.71	45.35
19	11.85	4	2.48	0.71	67.09
20	15.54	4	1.86	0.53	76.26
21	14.78	4	1.86	0.53	60.57
22	13.98	4	1.86	0.53	80.77
23	12.00	4	1.86	0.53	69.58
24	14.56	4	1.86	0.53	43.18
25	14.92	2	1.76	0.19	41.21
26	14.28	4	2.43	0.75	56.14
27	13.61	4	2.43	0.75	64.30
28	12.81	4	2.43	0.75	59.87
29	15.79	4	2.43	0.75	40.59
30	10.65	4	2.43	0.75	62.13
31	12.20	4	2.43	0.75	35.81
32	13.92	4	2.43	0.75	86.13
33	13.79	4	2.43	0.75	40.68
34	13.99	4	1.70	0.31	56.96
35	9.07	4	1.71	0.29	82.34
36	14.77	2	2.01	0.80	62.04
37	15.44	2	2.23	0.39	86.50

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.07	2	2.23	0.39	25.25
39	14.40	2	2.23	0.39	76.09
40	14.68	4	1.78	0.49	52.31
41	14.10	4	1.78	0.49	31.31
42	12.66	4	1.66	0.54	59.99
43	15.83	4	1.66	0.54	71.64
44	13.80	4	1.66	0.54	54.93
45	15.39	4	1.66	0.54	28.22
46	13.75	4	1.66	0.54	60.81
47	15.51	4	1.66	0.54	56.97
48	13.55	4	1.85	0.25	51.73
49	14.52	4	1.85	0.25	51.43
50	13.51	3	1.80	0.30	52.76
51	13.55	3	1.80	0.30	17.63
52	15.22	4	2.56	0.89	51.85
53	12.07	4	2.56	0.89	71.37
54	12.99	4	2.56	0.89	39.03
55	13.58	4	1.88	0.25	59.20
56	9.14	4	1.85	0.40	75.20
57	14.26	4	1.85	0.40	60.19
58	13.99	4	2.11	0.70	45.35
59	15.56	4	2.36	0.44	41.65
60	15.68	4	2.36	0.44	82.64
61	13.41	4	1.90	0.35	21.20
62	15.04	4	2.12	0.48	74.90
63	15.58	4	2.12	0.48	79.86
64	13.12	4	2.12	0.48	89.42
65	13.66	4	2.12	0.48	85.60
66	13.54	4	2.12	0.48	78.53
67	15.69	4	2.12	0.48	64.76
68	15.23	4	2.12	0.48	57.10
69	14.65	4	2.12	0.48	33.54
70	13.34	4	2.12	0.48	69.67
71	13.52	4	2.12	0.48	75.00
72	12.96	4	2.12	0.48	77.61
73	14.14	4	2.12	0.48	59.09
74	14.17	4	2.12	0.48	63.07
75	15.70	4	2.12	0.48	85.57
76	14.03	4	2.12	0.48	78.65
77	13.72	4	2.12	0.48	77.21

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	10.04	4	2.12	0.48	84.92
79	13.48	4	1.90	0.39	67.70
80	14.76	4	1.90	0.39	17.63
81	15.50	4	1.90	0.39	33.25
82	14.91	4	1.90	0.39	37.74
83	14.23	4	1.90	0.39	35.95
84	15.27	4	1.90	0.39	47.62
85	14.50	4	1.90	0.39	80.88
86	13.67	4	2.33	0.78	18.38
87	13.55	4	2.33	0.78	85.53
88	13.41	4	2.33	0.78	60.97
89	15.67	4	2.44	0.54	84.90
90	15.53	4	2.44	0.54	45.16
91	12.22	4	2.00	0.61	54.15
92	13.96	4	1.79	0.43	52.38
93	14.14	4	1.79	0.43	87.94
94	13.76	4	1.68	0.31	58.26
95	13.61	4	2.58	1.06	43.58
96	14.97	4	2.58	1.06	59.57
97	11.75	4	2.58	1.06	70.97
98	14.56	4	2.58	1.06	87.11
99	13.83	4	1.66	0.28	41.14
100	14.82	4	2.14	0.51	59.26
101	13.46	4	2.14	0.51	57.03
102	15.46	4	2.08	0.51	85.25
103	13.79	4	2.08	0.51	71.03
104	13.24	4	2.08	0.51	54.95
105	14.97	4	2.08	0.51	39.68
106	15.39	4	2.08	0.51	27.67
107	14.79	4	2.31	0.18	38.39
108	14.47	4	2.31	0.18	84.43
109	14.68	4	2.31	0.18	69.74
110	13.68	4	2.07	0.68	75.63
111	10.89	4	2.11	0.73	89.86
112	14.45	4	2.11	0.73	29.78
113	15.40	4	2.11	0.73	81.01
114	15.31	4	2.20	0.30	28.85
115	14.04	4	2.20	0.30	32.25
116	14.00	4	2.20	0.30	32.01
117	13.39	4	2.18	0.26	83.72

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.18	4	1.86	0.43	45.36
119	13.99	4	1.86	0.43	58.06
120	14.68	4	1.86	0.43	69.11
121	12.21	2	1.90	0.57	9.65
122	14.49	2	2.32	0.40	59.11
123	11.92	2	2.32	0.40	51.72
124	13.96	2	2.32	0.40	78.49
125	13.52	4	1.88	0.30	81.92
126	15.92	4	1.88	0.30	80.38
127	13.94	4	1.88	0.30	54.95
128	14.24	4	1.88	0.30	55.46
129	15.38	4	2.46	0.58	74.97
130	17.39	2	1.85	0.68	72.38
131	15.33	1	2.12	0.42	81.41
132	15.08	1	2.12	0.42	11.67
133	15.06	4	2.14	0.44	38.54
134	13.85	4	2.14	0.44	31.00
135	13.59	4	2.14	0.44	64.82
136	14.94	4	1.87	0.49	70.92
137	13.61	4	1.87	0.49	22.16
138	14.35	2	2.21	0.73	42.64
139	14.97	4	2.48	0.62	37.81
140	15.02	4	2.48	0.62	33.45
141	15.12	4	2.48	0.62	53.65
142	13.78	4	1.71	0.47	15.44
143	14.90	4	1.71	0.47	68.54
144	13.86	4	1.86	0.30	83.50
145	14.34	4	1.86	0.30	46.84
146	15.80	4	2.36	0.37	75.33
147	11.28	4	2.36	0.37	34.43
148	13.62	4	2.36	0.37	54.06
149	14.78	4	2.36	0.37	40.53
150	9.88	4	2.36	0.37	19.68
151	14.76	4	2.36	0.37	66.19
152	15.30	4	2.36	0.37	89.12
153	13.10	4	2.36	0.37	61.34
154	13.61	4	2.20	0.49	75.98
155	14.48	4	2.52	1.03	50.98
156	15.34	4	2.52	1.03	81.21
157	16.39	4	1.91	0.52	65.40

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	16.21	4	2.47	0.63	60.74
159	9.77	4	2.47	0.63	83.11
160	14.29	4	2.47	0.63	38.19
161	13.66	4	2.16	0.62	59.29
162	15.25	4	2.16	0.62	86.71
163	13.88	4	2.16	0.62	65.75
164	15.14	4	2.16	0.62	27.21
165	15.38	4	1.97	0.25	71.64
166	14.34	4	1.97	0.25	76.66
167	8.85	3	2.13	0.44	73.82
168	14.63	4	2.01	0.31	61.56
169	15.15	4	2.01	0.31	84.55
170	13.85	4	2.01	0.31	47.27
171	16.93	4	1.96	0.31	66.52
172	13.95	4	1.96	0.31	72.42
173	13.30	4	1.96	0.31	73.77
174	11.16	4	2.68	0.38	76.27
175	14.45	4	1.60	0.29	55.76
176	15.64	4	1.60	0.29	54.02
177	11.73	4	1.87	0.37	38.94
178	15.35	4	1.87	0.37	62.32
179	15.01	1	1.37	0.58	48.58
180	14.84	1	1.37	0.58	75.31
181	12.50	4	1.93	0.35	49.78
182	14.80	4	1.93	0.35	59.39
183	13.81	4	1.93	0.35	67.69
184	14.08	4	1.93	0.35	40.42
185	10.13	4	2.03	0.21	44.54
186	16.54	4	2.03	0.21	88.73
187	12.30	4	2.03	0.21	41.86
188	13.47	4	2.03	0.21	48.88
189	14.70	4	2.33	0.86	76.78
190	14.22	4	2.33	0.86	36.86
191	12.28	4	2.33	0.86	89.33
192	13.61	4	2.01	0.30	66.63
193	14.48	4	2.01	0.30	86.04
194	14.56	4	2.01	0.30	39.24
195	11.82	4	1.84	0.33	77.99
196	12.99	4	1.84	0.33	85.18
197	13.28	4	1.84	0.33	57.41

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	13.06	4	1.84	0.33	86.60
199	13.95	4	2.34	0.33	82.93
200	16.29	4	2.34	0.33	84.94
201	13.72	4	2.34	0.33	4.23

Mean Dpar	= 2.10	Std. Dev. (um)	= 1.42
Mean Dper	= 0.51	Skewness	= -1.10
Mean length (um)	= 14.02+/- 0.10	Kurtosis	= 2.06

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.52	4	1.93	0.35	54.69
2	16.22	4	1.93	0.35	33.34
3	14.10	4	1.93	0.35	72.77
4	14.62	4	2.01	0.91	56.80
5	14.40	4	2.01	0.91	28.93
6	12.13	4	2.01	0.91	41.47
7	15.67	4	1.92	0.26	37.06
8	15.33	4	1.92	0.26	37.16
9	13.15	4	1.92	0.26	65.40
10	14.20	4	1.87	0.21	48.10
11	15.40	4	1.87	0.21	29.50
12	14.79	4	1.87	0.21	51.34
13	12.39	4	1.96	0.30	39.44
14	13.75	4	1.96	0.30	43.50
15	10.75	4	1.96	0.30	89.52
16	13.54	4	1.96	0.30	64.28
17	13.92	4	1.96	0.30	21.43
18	14.74	4	1.96	0.30	69.80
19	15.06	4	1.96	0.30	65.79
20	12.05	4	1.94	0.63	49.40
21	14.68	4	1.94	0.63	19.99
22	16.19	4	1.94	0.63	52.22
23	14.68	4	1.94	0.63	85.15
24	14.92	4	1.94	0.63	70.07
25	13.95	4	1.94	0.63	79.99
26	13.79	4	1.94	0.63	85.02
27	14.39	4	2.13	0.89	81.07
28	14.65	4	2.13	0.89	34.97
29	12.66	4	2.13	0.89	81.67
30	13.37	4	2.13	0.89	21.66
31	13.64	4	1.68	0.25	38.59
32	15.70	4	1.68	0.25	41.58
33	14.72	4	1.68	0.25	15.19
34	15.74	4	1.68	0.25	79.90
35	15.01	4	1.68	0.25	85.74
36	15.46	4	2.43	0.33	45.38
37	14.30	4	1.91	0.52	57.63

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.17	4	1.91	0.52	79.98
39	10.65	4	1.86	0.26	78.44
40	11.56	4	1.86	0.26	66.06
41	13.29	4	1.92	0.56	73.72
42	15.31	4	1.92	0.56	45.73
43	15.18	4	1.92	0.56	75.63
44	13.58	4	1.92	0.56	39.77
45	13.93	4	1.92	0.56	54.90
46	4.43	4	1.96	0.29	83.26
47	14.60	4	1.96	0.29	53.70
48	15.23	4	1.96	0.29	56.72
49	17.50	4	1.96	0.29	16.73
50	14.46	4	1.96	0.29	66.99
51	15.71	4	1.77	0.39	79.82
52	13.22	4	1.77	0.39	49.73
53	13.10	4	1.77	0.39	57.13
54	12.92	4	1.77	0.39	17.13
55	12.34	4	1.77	0.39	83.70
56	13.61	4	1.77	0.39	37.41
57	15.99	4	1.77	0.39	53.33
58	15.60	4	1.77	0.39	35.14
59	14.03	4	1.78	0.28	48.11
60	13.86	4	1.78	0.28	37.11
61	10.60	3	1.84	0.65	66.76
62	14.67	3	1.84	0.65	89.20
63	16.17	4	1.85	0.38	82.98
64	14.43	4	1.96	0.26	52.68
65	16.49	4	1.96	0.26	40.72
66	14.64	4	2.57	0.68	51.87
67	14.32	4	2.57	0.68	69.17
68	14.31	4	2.40	0.14	40.22
69	12.82	4	2.40	0.14	54.43
70	11.78	1	2.00	0.31	66.61
71	14.99	1	2.00	0.31	39.92
72	9.84	4	1.92	0.30	84.00
73	14.44	4	1.92	0.30	81.81
74	12.46	4	1.92	0.30	73.16
75	13.05	4	1.92	0.30	70.94
76	14.84	4	1.92	0.30	53.50
77	13.25	4	2.25	0.62	79.89

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	9.93	4	2.25	0.62	71.79
79	14.07	4	2.28	0.99	70.89
80	14.08	4	2.28	0.99	87.80
81	12.09	4	2.39	0.78	59.98
82	15.16	4	2.39	0.78	26.74
83	15.97	4	2.13	0.30	38.46
84	14.97	4	2.44	0.26	65.89
85	13.05	4	2.44	0.26	71.45
86	9.76	4	2.44	0.26	69.75
87	15.06	4	2.44	0.26	23.96
88	14.13	4	2.44	0.26	44.78
89	16.15	4	2.44	0.26	18.84
90	14.41	4	2.44	0.26	50.55
91	10.25	4	2.46	0.71	78.19
92	13.39	4	2.11	0.81	56.16
93	15.57	4	2.12	0.49	61.27
94	15.76	4	2.12	0.49	72.56
95	13.90	4	2.12	0.49	42.83
96	14.74	4	2.12	0.49	83.26
97	14.69	4	2.12	0.49	86.83
98	11.34	2	2.43	0.89	74.89
99	16.18	4	2.03	0.67	59.86
100	13.92	4	2.03	0.67	87.48
101	15.46	4	1.98	0.35	86.33
102	13.99	4	1.98	0.35	36.57
103	13.18	4	1.98	0.19	86.32
104	15.01	2	2.51	0.49	74.10
105	14.07	2	2.51	0.49	74.42
106	13.97	2	2.00	0.54	75.12
107	15.80	2	2.00	0.54	56.61
108	16.28	4	2.32	1.00	47.21
109	14.28	4	2.32	1.00	84.62
110	12.23	4	2.32	1.00	55.25
111	16.09	4	2.32	1.00	49.44
112	12.66	4	1.73	0.23	52.52
113	15.69	4	2.76	0.56	31.30
114	14.85	4	2.76	0.56	27.55
115	13.58	4	2.76	0.56	53.00
116	16.23	4	2.76	0.56	50.76
117	14.89	4	2.12	0.35	64.85

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.06	4	2.12	0.35	19.80
119	15.12	4	2.12	0.35	26.71
120	12.67	4	2.03	0.37	84.81
121	14.28	4	2.03	0.37	44.88
122	15.78	4	2.21	0.66	82.83
123	15.34	4	2.21	0.66	42.02
124	15.12	4	2.21	0.66	46.63
125	14.24	3	1.40	0.05	50.74
126	14.61	4	1.78	0.15	75.30
127	11.08	2	1.92	0.54	80.24
128	13.10	2	1.92	0.54	59.66
129	13.81	4	1.70	0.33	87.75
130	13.51	4	1.70	0.33	41.01
131	13.01	4	1.70	0.33	23.86
132	13.92	4	1.70	0.33	49.79
133	13.83	4	1.70	0.33	53.60
134	15.59	4	2.08	0.62	53.06
135	13.58	4	2.08	0.62	48.06
136	14.99	4	1.90	0.56	18.76
137	13.18	4	1.90	0.56	65.77
138	10.80	4	1.90	0.56	45.41
139	14.54	4	1.70	0.35	75.42
140	12.34	4	1.70	0.35	46.85
141	15.29	4	1.70	0.35	77.41
142	13.58	4	1.70	0.35	55.55
143	14.11	4	1.70	0.35	58.59
144	13.95	4	2.31	0.49	43.33
145	12.77	4	2.31	0.49	71.82
146	13.39	4	2.31	0.49	65.68
147	13.59	4	2.31	0.49	54.96
148	13.12	4	2.31	0.49	40.11
149	13.60	4	2.31	0.49	60.82
150	12.79	4	2.31	0.49	45.09
151	11.43	4	2.31	0.49	44.78
152	14.32	4	2.31	0.49	36.58
153	12.55	4	2.31	0.49	39.94
154	15.28	4	2.31	0.49	67.38
155	14.87	4	2.31	0.49	27.08
156	14.75	4	2.31	0.49	33.97
157	15.56	4	2.31	0.49	33.99

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	15.14	4	2.31	0.49	70.29
159	14.50	4	2.52	0.44	89.74
160	15.29	4	2.52	0.44	19.80
161	15.26	4	1.98	0.20	45.25
162	10.75	1	1.72	0.16	77.09
163	14.52	4	1.83	0.29	30.55
164	11.10	4	1.83	0.29	80.28
165	4.12	4	1.83	0.29	85.62
166	12.15	4	2.12	0.31	45.20
167	14.99	4	2.12	0.31	48.68
168	14.82	4	2.12	0.31	39.15
169	12.16	4	2.12	0.31	80.68
170	14.76	4	1.92	0.24	29.94
171	15.61	4	1.92	0.24	33.88
172	15.54	2	1.83	0.20	64.21
173	14.88	2	2.43	0.63	41.76
174	14.50	2	2.43	0.63	64.19
175	14.96	4	1.73	0.43	76.90
176	14.36	4	1.73	0.43	84.87
177	13.87	4	2.07	0.26	74.37
178	13.21	4	2.07	0.26	23.88
179	14.23	4	2.07	0.26	46.75
180	13.19	4	2.07	0.26	89.33
181	15.24	4	2.07	0.26	49.93
182	13.96	4	2.06	0.39	76.61
183	13.39	4	2.18	0.48	65.57
184	15.07	4	2.18	0.48	23.81
185	14.02	4	2.18	0.48	65.94
186	14.88	4	2.18	0.48	1.86
187	11.61	4	2.18	0.48	82.56
188	13.16	4	2.18	0.48	67.69
189	12.87	4	2.18	0.48	70.90
190	16.06	2	1.87	0.57	61.89
191	15.11	4	1.80	0.54	36.50
192	13.79	4	1.80	0.54	83.62
193	14.85	4	1.80	0.54	40.87
194	14.35	4	2.37	0.75	42.26
195	14.38	4	2.03	0.39	82.74
196	14.77	4	2.03	0.39	36.57
197	12.65	4	2.03	0.39	75.59

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.61	4	2.03	0.39	28.00
199	14.03	4	2.37	0.99	28.07
200	15.71	4	2.37	0.99	52.87
201	14.18	4	2.37	0.99	54.38
202	11.04	4	2.37	0.99	57.37
203	11.95	4	2.37	0.99	36.69

Mean Dpar	= 2.06	Std. Dev. (um)	= 1.72
Mean Dper	= 0.46	Skewness	= -2.06
Mean length (um)	= 13.94+/- 0.12	Kurtosis	= 8.33

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	11.62	4	1.99	0.59	8.63
2	14.19	4	1.99	0.59	31.56
3	14.00	4	2.31	0.75	22.15
4	8.26	4	2.32	0.48	68.65
5	16.08	4	2.36	0.67	43.38
6	13.11	4	2.36	0.67	63.24
7	13.94	4	2.36	0.84	55.22
8	13.83	4	2.65	0.91	50.48
9	13.26	4	1.96	0.44	7.21
10	14.41	4	1.96	0.44	55.27
11	15.99	4	2.10	0.58	82.39
12	14.93	4	2.10	0.58	26.90
13	15.03	4	2.85	1.55	70.08
14	14.46	4	2.85	1.55	55.26
15	15.47	4	1.94	0.58	45.30
16	12.57	4	2.94	1.15	75.37
17	13.26	4	3.79	1.03	73.24
18	14.76	4	3.79	1.03	78.98
19	13.49	4	1.72	0.26	62.28
20	15.83	4	1.72	0.26	34.23
21	9.87	2	2.46	0.56	81.24
22	11.83	4	3.30	1.05	80.83
23	11.84	4	1.88	0.33	55.28
24	12.68	4	1.88	0.33	85.69
25	14.20	4	2.83	0.85	45.01
26	14.18	4	2.80	1.05	75.40
27	13.34	4	2.80	1.05	52.44
28	13.73	4	2.80	1.05	89.11
29	15.15	4	2.80	1.05	31.58
30	13.47	4	2.80	1.05	16.67
31	12.50	4	2.80	1.05	31.73
32	13.93	4	2.39	0.61	76.94
33	15.74	4	2.52	0.86	8.90
34	14.23	4	2.52	0.86	62.22
35	14.57	2	2.65	0.95	28.46
36	11.04	1	1.73	0.56	54.89
37	11.06	4	2.53	1.00	36.38

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.47	4	2.84	0.85	70.65
39	14.91	2	1.73	0.75	27.57
40	13.92	2	1.73	0.75	72.09
41	15.12	2	1.73	0.75	68.58
42	13.45	2	1.73	0.75	46.81
43	13.44	2	1.73	0.75	64.89
44	14.54	2	1.73	0.75	19.92
45	14.36	1	2.32	0.28	56.77
46	11.29	2	2.84	1.15	69.18
47	14.98	2	2.84	1.15	83.44
48	14.34	4	2.40	1.01	61.20
49	13.10	2	3.14	1.05	52.07
50	14.06	2	3.14	1.05	23.08
51	17.19	1	3.27	1.28	21.36
52	14.64	4	2.66	0.86	68.25
53	14.32	4	2.37	0.99	66.00
54	15.83	2	2.58	0.95	27.98
55	12.42	2	2.58	0.95	61.63
56	14.43	2	2.58	0.95	82.62
57	12.76	4	2.34	0.61	60.91
58	10.20	4	2.34	0.61	79.61
59	14.40	4	2.28	0.42	85.60
60	13.84	4	2.28	0.42	44.34
61	14.97	4	2.28	0.42	26.41
62	15.15	4	2.28	0.42	32.35
63	14.27	4	2.28	0.42	85.22
64	13.70	4	2.28	0.42	33.75
65	14.09	4	2.03	0.38	77.56
66	15.41	4	2.60	0.73	59.19
67	14.00	4	2.60	0.73	56.46
68	14.33	4	1.85	0.40	11.72
69	15.66	4	1.76	0.49	35.59
70	14.00	4	1.76	0.49	57.82
71	12.58	4	2.58	0.63	44.32
72	14.16	4	2.58	0.63	57.15
73	15.18	4	3.59	1.12	47.54
74	15.54	4	2.26	1.01	34.42
75	14.00	4	2.19	0.39	27.88
76	12.37	2	2.39	0.81	64.62
77	13.77	4	2.47	0.76	61.80

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.29	4	2.47	0.76	20.04
79	11.01	4	2.47	0.76	70.98
80	13.36	4	2.47	0.76	81.93
81	15.39	4	2.90	0.62	57.18
82	12.99	4	2.48	0.84	65.11
83	13.01	4	2.48	0.84	11.76
84	15.57	4	2.71	1.06	47.73
85	12.49	4	2.71	1.06	29.10
86	13.55	4	2.71	1.06	49.05
87	11.92	4	2.71	1.06	41.49
88	12.22	4	2.43	0.38	37.59
89	14.33	4	2.61	0.85	85.48
90	13.14	4	2.17	0.86	89.30
91	12.00	4	2.26	0.37	34.53
92	8.50	4	2.59	0.81	55.23
93	15.54	4	2.59	0.81	49.95
94	12.65	4	2.25	0.49	34.45
95	14.92	4	2.91	0.78	61.74
96	14.26	4	2.91	0.78	83.90
97	13.59	4	2.25	0.34	48.80
98	11.54	4	2.25	0.34	75.44
99	16.03	3	3.98	1.70	61.78
100	14.82	4	2.08	0.42	34.18
101	12.76	4	2.08	0.42	71.22
102	14.47	4	2.08	0.42	49.40
103	13.27	4	2.08	0.42	86.38
104	13.09	4	2.08	0.42	89.07
105	14.47	4	2.08	0.42	50.64
106	16.21	4	2.19	1.19	70.08
107	13.53	4	2.19	1.19	32.39
108	12.96	4	2.19	1.19	32.53
109	15.13	4	2.88	1.08	73.92
110	15.40	4	2.88	1.08	12.76
111	15.17	2	2.03	0.29	74.96
112	14.86	2	2.03	0.29	56.23
113	13.61	2	2.03	0.29	53.75
114	14.88	4	1.63	0.31	62.05
115	14.01	4	1.63	0.31	43.32
116	13.54	4	1.63	0.31	72.13
117	17.03	4	1.98	0.51	22.81

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.87	4	2.47	0.68	26.65
119	11.67	4	2.47	0.68	74.12
120	14.26	4	2.47	0.68	72.40
121	16.73	1	1.78	0.73	58.34
122	15.57	4	1.57	0.37	69.11
123	16.08	4	2.93	0.87	59.96
124	14.27	4	2.41	0.61	34.86
125	15.11	4	2.59	0.80	69.33
126	14.93	4	2.59	0.80	49.21
127	14.03	4	2.30	0.39	84.40
128	11.60	4	2.30	0.39	69.63
129	14.92	4	2.30	0.39	21.50
130	9.13	4	2.30	0.39	52.39
131	9.12	4	2.30	0.39	74.12
132	14.35	4	2.45	0.47	81.97
133	16.44	4	2.50	0.68	37.92

Mean Dpar	= 2.40	Std. Dev. (um)	= 1.64
Mean Dper	= 0.72	Skewness	= -0.95
Mean length (um)	= 13.83+/- 0.14	Kurtosis	= 1.38

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.91	2	1.47	0.09	56.53
2	14.18	4	1.94	0.28	53.95
3	13.49	4	1.94	0.28	46.31
4	15.09	4	1.94	0.28	57.95
5	14.91	4	1.94	0.28	60.86
6	13.82	4	1.94	0.28	48.90
7	13.55	2	1.54	0.43	62.02
8	14.45	4	1.80	0.18	37.02
9	14.02	4	1.80	0.18	7.57
10	15.74	4	1.59	0.21	27.87
11	14.93	4	1.59	0.21	15.81
12	14.07	4	1.59	0.21	56.72
13	14.22	4	1.59	0.21	45.32
14	14.14	4	1.59	0.21	62.22
15	14.22	4	1.68	0.11	68.91
16	14.48	4	1.68	0.11	53.20
17	13.86	2	1.53	0.12	83.83
18	15.93	4	1.99	0.57	51.36
19	13.83	4	1.99	0.57	43.05
20	14.47	4	1.99	0.57	53.08
21	15.27	4	2.07	0.62	31.43
22	15.01	4	2.07	0.62	78.98
23	14.40	4	2.07	0.62	58.30
24	9.74	4	2.07	0.62	65.85
25	14.02	4	2.07	0.62	37.60
26	13.81	4	2.07	0.62	26.47
27	15.21	4	2.07	0.62	67.47
28	14.12	4	2.07	0.62	44.08
29	13.38	4	1.78	0.26	58.85
30	8.10	4	1.78	0.26	88.89
31	14.89	4	1.99	0.45	79.51
32	14.39	4	1.99	0.45	76.95
33	13.94	4	2.08	0.42	43.97
34	14.65	4	2.08	0.42	65.74
35	14.83	4	2.08	0.42	84.33
36	14.37	4	2.08	0.42	59.03
37	13.72	1	2.28	0.39	89.74

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.98	4	1.84	0.40	89.93
39	15.66	4	1.84	0.40	77.76
40	14.05	4	1.84	0.40	34.98
41	14.55	2	1.64	0.37	66.12
42	13.15	4	1.72	0.28	49.87
43	15.25	4	1.86	0.29	60.66
44	14.73	4	1.86	0.29	86.53
45	9.90	4	1.86	0.29	58.20
46	14.05	4	1.86	0.29	48.26
47	14.85	4	1.86	0.29	59.83
48	15.18	4	2.44	0.37	76.27
49	13.61	4	2.44	0.37	50.46
50	15.17	4	2.44	0.37	17.92
51	15.16	4	2.44	0.37	53.07
52	9.08	1	1.94	0.40	57.49
53	14.67	4	2.31	0.72	54.31
54	14.09	2	1.85	0.24	8.80
55	13.66	2	1.85	0.24	19.45
56	15.54	4	2.67	1.19	89.45
57	14.28	4	2.67	1.19	54.00
58	14.27	4	2.67	1.19	61.76
59	11.80	4	2.03	0.38	69.93
60	14.34	3	1.59	0.38	81.28
61	12.95	4	1.73	0.29	35.72
62	14.15	4	2.12	0.47	72.53
63	14.99	2	1.78	0.37	23.54
64	15.92	4	2.45	0.71	71.93
65	13.07	1	1.68	0.37	73.20
66	13.66	1	1.68	0.37	73.86
67	12.00	4	1.78	0.37	78.35
68	13.12	4	1.98	0.31	43.06
69	14.00	1	2.16	0.43	56.85
70	11.30	4	1.58	0.47	56.22
71	14.30	4	1.58	0.47	20.39
72	16.28	4	2.46	0.66	21.29
73	16.43	4	2.46	0.66	45.20
74	14.04	4	2.46	0.66	70.66
75	13.25	4	2.06	0.91	34.66
76	13.17	4	2.06	0.91	86.30
77	14.91	4	2.05	0.24	84.71

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.76	4	2.05	0.24	80.02
79	15.36	4	2.05	0.24	33.03
80	14.74	4	2.05	0.24	81.68
81	14.28	4	2.05	0.24	76.53
82	14.43	4	2.05	0.24	58.50
83	16.32	4	2.26	0.30	62.89
84	14.86	4	2.26	0.30	67.34
85	13.41	4	2.26	0.30	26.00
86	12.81	4	2.26	0.30	79.34
87	14.13	4	2.26	0.30	75.40
88	13.88	4	2.04	0.34	80.13
89	15.21	4	2.04	0.34	49.60
90	13.52	2	1.58	0.35	68.32
91	13.06	4	2.04	0.62	38.88
92	11.10	4	2.04	0.62	62.15
93	15.12	4	2.65	0.95	73.54
94	14.67	4	2.65	0.95	67.95
95	14.17	4	1.94	0.77	64.45
96	14.10	4	1.94	0.77	34.80
97	11.84	4	1.90	0.23	48.16
98	14.53	4	1.92	0.37	79.63
99	14.15	4	2.76	0.92	43.31
100	14.51	4	2.76	0.92	53.99
101	15.10	4	2.76	0.92	66.61
102	14.38	4	2.76	0.92	65.65
103	13.72	4	1.79	0.40	60.10
104	10.92	4	1.79	0.40	89.14
105	14.47	4	2.04	0.31	70.78
106	14.02	4	1.90	0.28	49.12
107	15.55	4	1.90	0.28	68.85
108	14.30	4	1.90	0.28	79.37
109	12.73	4	1.90	0.28	66.17
110	12.67	4	1.90	0.28	60.07
111	14.26	4	1.90	0.28	69.50
112	8.36	4	1.90	0.28	85.06
113	11.09	4	1.90	0.28	84.27
114	15.19	4	1.99	0.28	80.92
115	10.23	4	1.99	0.28	69.74
116	12.71	4	1.99	0.28	50.17
117	14.12	4	1.97	0.20	49.67

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.89	4	1.97	0.20	72.60
119	16.80	4	2.25	0.51	82.44
120	13.95	4	2.25	0.51	55.14
121	12.56	4	2.34	0.29	21.08
122	15.86	4	2.34	0.29	54.61
123	13.84	4	2.34	0.29	79.30
124	14.20	4	2.34	0.29	79.58
125	15.38	4	2.34	0.29	8.68
126	13.77	4	2.34	0.29	45.74
127	13.64	4	2.34	0.29	59.77
128	13.32	4	1.84	0.37	69.58
129	5.07	4	1.84	0.37	77.08
130	15.15	4	1.84	0.37	75.35
131	14.10	4	1.84	0.37	69.53
132	14.29	4	1.84	0.37	85.26
133	13.93	4	1.84	0.37	64.59
134	14.82	4	1.84	0.37	69.27
135	14.53	4	2.50	0.56	67.13
136	13.61	4	2.50	0.56	82.40
137	15.20	4	2.50	0.56	52.96
138	15.34	4	2.50	0.56	47.46
139	16.16	4	2.50	0.56	29.41
140	13.97	4	1.70	0.23	58.35
141	10.23	4	1.64	0.65	56.69
142	14.78	4	2.00	0.39	77.64
143	13.16	4	2.00	0.39	35.93
144	15.95	4	2.65	0.91	57.72
145	12.44	4	2.65	0.91	53.18
146	14.33	4	2.65	0.91	89.61
147	13.29	4	3.21	1.27	35.61
148	13.95	4	3.21	1.27	22.44
149	13.50	4	3.21	1.27	79.08
150	10.31	4	3.21	1.27	73.68
151	14.26	4	3.21	1.27	41.57
152	15.17	1	3.40	1.27	50.92
153	13.17	1	3.40	1.27	41.81
154	15.69	4	1.98	0.47	21.79
155	13.04	4	1.98	0.47	36.41
156	13.72	4	1.81	0.30	47.60
157	14.59	4	2.01	0.30	33.19

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	15.85	4	2.01	0.30	63.19
159	14.22	4	2.01	0.30	32.17
160	14.78	4	2.11	0.57	32.63
161	12.95	4	2.11	0.57	70.26
162	13.67	4	1.94	0.38	37.12
163	15.37	4	1.96	0.54	51.80
164	13.28	4	1.96	0.54	76.14
165	14.97	4	1.96	0.54	54.17
166	14.22	4	1.96	0.54	41.70
167	13.38	4	2.20	0.58	59.10
168	13.58	4	2.20	0.58	30.62
169	12.35	4	2.20	0.58	44.02
170	12.25	4	2.20	0.58	50.78
171	12.51	4	2.20	0.58	89.36
172	13.73	4	2.20	0.58	31.27
173	13.41	4	2.20	0.58	68.54
174	14.08	4	2.13	0.49	40.39
175	12.15	4	2.13	0.49	85.42
176	12.80	4	1.83	0.29	66.72
177	12.32	4	1.71	0.29	70.90
178	14.38	4	1.86	0.34	88.27
179	14.95	4	1.86	0.34	50.82
180	13.10	4	2.20	0.28	66.52
181	13.17	4	2.20	0.28	50.74
182	13.76	4	2.20	0.28	51.52
183	15.11	4	2.20	0.28	84.04
184	14.68	4	2.20	0.28	61.29
185	13.99	4	2.20	0.28	37.42
186	14.75	4	2.20	0.28	70.33
187	13.18	4	2.20	0.28	57.83
188	14.63	3	1.98	0.35	87.57
189	16.61	3	1.98	0.35	12.65
190	13.90	3	1.98	0.35	81.94
191	13.45	3	1.98	0.35	71.18
192	12.06	3	1.98	0.35	85.74
193	13.94	3	1.98	0.35	41.54
194	14.76	3	1.98	0.35	57.81
195	16.44	3	1.98	0.35	79.01
196	15.32	2	1.94	0.37	72.09
197	12.13	4	1.71	0.47	54.71

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.65	4	1.71	0.15	42.55
199	10.95	4	1.83	0.29	64.22
200	12.72	4	1.83	0.29	74.70
201	12.26	4	1.83	0.29	56.68

Mean Dpar	= 2.08	Std. Dev. (um)	= 1.56
Mean Dper	= 0.45	Skewness	= -1.82
Mean length (um)	= 13.90+/- 0.11	Kurtosis	= 6.04

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	16.17	2	2.51	0.62	64.36
2	14.48	4	3.18	0.73	60.40
3	15.64	4	2.74	0.86	69.15
4	12.66	4	2.74	0.86	49.68
5	13.05	4	2.74	0.86	33.80
6	15.31	4	2.58	0.78	61.72
7	15.33	4	2.58	0.78	41.10
8	14.83	4	2.58	0.78	60.88
9	15.45	4	2.58	0.78	27.59
10	15.77	4	2.58	0.78	68.03
11	15.34	4	2.58	0.78	85.19
12	14.76	4	2.47	0.68	20.55
13	14.20	4	2.47	0.68	50.77
14	16.33	4	2.08	0.87	18.46
15	15.52	4	2.08	0.87	18.99
16	14.33	4	2.08	0.87	55.57
17	13.97	4	2.08	0.87	37.60
18	15.62	1	2.30	0.29	39.70
19	14.31	4	3.17	0.73	54.77
20	14.73	4	3.17	0.73	25.45
21	14.16	4	2.53	0.76	68.11
22	13.96	4	1.92	0.34	19.68
23	15.33	4	2.90	0.89	56.18
24	14.53	4	2.90	0.89	49.72
25	15.81	4	2.44	0.66	28.00
26	13.26	4	2.41	0.71	44.27
27	15.02	4	2.41	0.71	79.22
28	13.57	4	2.41	0.71	51.84
29	15.77	4	2.10	0.87	78.43
30	13.84	4	2.10	0.87	41.58
31	13.33	4	2.10	0.87	36.85
32	9.87	4	1.55	0.35	63.17
33	15.05	4	2.79	0.86	56.03
34	13.04	4	2.79	0.86	29.07
35	15.54	4	2.79	0.86	56.51
36	14.77	3	2.99	0.87	89.98
37	16.25	4	2.58	0.89	71.88

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.99	4	2.58	0.89	73.53
39	14.71	4	2.58	0.89	68.34
40	15.71	4	2.58	0.89	59.26
41	13.21	4	2.32	0.80	55.69
42	14.63	4	2.98	1.32	51.46
43	14.55	4	2.98	1.32	69.12
44	13.40	4	2.76	0.73	81.14
45	14.65	4	2.76	0.73	34.77
46	15.98	4	3.14	1.36	57.56
47	11.93	3	2.16	0.70	86.61
48	13.61	4	2.28	0.61	87.54
49	13.72	4	2.28	0.61	41.60
50	14.32	4	2.28	0.68	68.99
51	14.63	4	2.28	0.68	65.36
52	13.43	4	2.60	0.68	26.91
53	13.19	4	2.60	0.68	88.30
54	13.04	4	2.60	0.68	41.49
55	13.34	4	2.60	0.68	52.58
56	9.52	4	2.60	0.68	79.42
57	14.82	4	2.60	0.68	67.14
58	13.07	4	2.60	0.68	40.74
59	16.33	4	2.46	0.67	67.01
60	16.86	4	2.91	0.96	59.28
61	8.87	4	2.91	0.96	83.66
62	14.29	4	2.91	0.96	43.65
63	16.89	4	2.91	0.96	31.84
64	16.01	4	2.94	1.12	40.07
65	14.14	4	2.94	1.12	50.51
66	15.30	4	2.94	1.12	70.37
67	14.48	4	2.94	1.12	45.77
68	14.24	4	2.94	1.12	85.35
69	13.56	4	2.94	1.12	83.47
70	15.84	4	2.94	1.12	72.88
71	15.33	4	2.47	0.71	18.09
72	14.37	4	2.47	0.71	78.23
73	16.48	4	2.23	0.67	2.99
74	15.86	4	2.19	0.56	88.32
75	14.02	4	2.19	0.56	64.58
76	15.18	4	2.19	0.56	48.54
77	15.70	4	1.92	0.51	16.30

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	11.31	1	2.08	0.35	66.24
79	13.32	4	2.58	0.44	77.61
80	15.68	4	2.67	0.49	79.03
81	14.78	4	2.50	0.70	84.40
82	12.07	4	2.80	0.78	54.14
83	14.61	4	2.80	0.78	56.78
84	13.17	1	2.53	0.94	11.39
85	13.63	4	2.98	1.17	65.03
86	15.76	4	2.28	0.96	75.26
87	12.24	4	2.28	0.96	69.51
88	13.72	4	2.28	0.96	67.92
89	14.44	4	2.28	0.96	57.58
90	12.55	4	2.28	0.96	82.62
91	16.61	4	2.28	0.96	71.18
92	15.71	4	2.08	0.37	89.06
93	14.09	4	2.08	0.37	61.24
94	15.28	4	1.54	0.59	76.90
95	14.31	4	1.54	0.59	20.86
96	13.80	4	1.54	0.59	61.10
97	12.16	4	1.54	0.59	61.24
98	13.76	4	1.54	0.59	74.50
99	14.48	4	1.54	0.59	42.50
100	16.83	4	1.54	0.59	37.84
101	12.56	4	1.54	0.59	71.28
102	15.55	4	1.54	0.59	35.60
103	14.65	2	2.58	0.61	61.73
104	12.43	2	2.58	0.61	21.84
105	13.89	4	2.61	0.47	25.76
106	10.70	4	2.61	0.47	56.76
107	15.46	4	2.65	1.00	66.60
108	15.28	4	2.65	1.00	74.79
109	12.21	4	1.90	0.40	82.22
110	15.83	4	2.36	0.58	49.92
111	14.40	4	2.36	0.58	73.18
112	12.37	4	3.19	1.04	83.45
113	14.51	4	3.19	1.04	46.52
114	15.46	3	1.98	0.40	40.99
115	14.47	3	1.98	0.40	28.79
116	14.91	4	2.28	0.37	76.09
117	13.28	4	2.28	0.37	41.68

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.09	4	2.28	0.37	64.02
119	14.86	4	2.39	0.82	25.24
120	15.30	4	2.59	0.76	89.08
121	13.54	4	2.59	0.76	77.65
122	15.82	4	2.59	0.76	66.71
123	13.48	4	2.59	0.76	36.17
124	15.04	4	2.59	0.76	57.15
125	14.47	4	2.59	0.76	39.78
126	14.83	4	2.27	0.31	55.57
127	16.33	4	2.27	0.31	29.01
128	14.92	4	2.27	0.31	72.33
129	15.02	4	3.12	0.53	62.26
130	13.76	4	3.12	0.53	48.75
131	16.82	4	1.97	0.37	75.87
132	10.07	4	1.97	0.37	40.83
133	15.58	4	2.34	0.68	60.66
134	15.49	4	2.34	0.68	73.88
135	14.87	4	2.34	0.68	22.60
136	13.10	4	2.34	0.68	46.42
137	14.72	4	2.34	0.68	28.22
138	16.14	4	2.05	0.65	48.15
139	14.67	4	2.05	0.65	34.07
140	15.58	4	2.05	0.65	58.58
141	15.08	4	2.05	0.65	33.75
142	13.88	4	2.05	0.65	34.33
143	15.65	4	2.05	0.65	40.84
144	16.26	4	2.05	0.65	52.61
145	13.00	4	2.05	0.65	71.28
146	13.46	4	2.05	0.65	52.19
147	15.35	4	2.46	0.77	61.29
148	15.38	4	2.46	0.77	48.30
149	15.09	4	2.46	0.77	76.99
150	14.12	3	4.21	1.01	73.62
151	14.75	3	4.21	1.01	53.60
152	12.74	4	1.99	0.67	37.61
153	13.86	2	1.74	0.38	52.03
154	13.90	2	1.74	0.38	64.72
155	15.36	2	1.74	0.38	15.28
156	13.83	4	2.19	0.86	25.35
157	13.60	4	2.19	0.86	70.84

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.58	4	2.19	0.86	10.60
159	15.80	4	2.76	1.51	49.61
160	14.86	4	2.08	0.52	63.93
161	14.36	4	2.08	0.52	31.22
162	14.14	4	2.08	0.52	47.31
163	15.71	4	2.61	0.78	75.19
164	8.95	4	2.57	0.99	83.27
165	14.21	4	2.43	0.91	63.89
166	11.96	4	2.43	0.91	43.09
167	12.18	4	2.43	0.91	65.78
168	15.30	4	2.43	0.91	13.27
169	14.44	4	2.43	0.91	62.41
170	14.89	4	2.43	0.91	76.43
171	14.70	4	2.50	1.06	51.12
172	14.27	4	2.50	1.06	50.00
173	14.63	4	2.13	0.63	75.43
174	13.64	4	2.13	0.63	48.49
175	14.08	2	2.78	0.84	74.23
176	14.04	4	2.52	0.43	22.70
177	13.78	4	2.36	0.52	31.45
178	13.40	4	2.36	0.52	19.53
179	13.49	4	2.36	0.52	80.85
180	14.42	4	2.40	0.47	41.61
181	14.95	4	2.40	0.47	34.85
182	15.82	4	2.40	0.47	85.05
183	14.65	4	2.40	0.47	81.96
184	14.36	4	3.78	1.09	42.34
185	9.07	4	1.70	0.24	51.88
186	14.68	4	1.70	0.24	62.96
187	14.76	4	1.70	0.24	89.59
188	14.66	4	1.70	0.24	79.56
189	15.32	4	1.84	0.34	49.73
190	14.44	4	1.84	0.34	87.08
191	13.80	4	1.84	0.34	54.63
192	14.46	4	1.84	0.34	78.91
193	14.65	4	1.84	0.34	21.63
194	14.84	4	1.84	0.34	70.51
195	13.51	4	1.84	0.34	66.47
196	14.58	4	1.84	0.34	53.54
197	14.38	4	3.40	1.34	69.81

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	16.37	4	3.40	1.34	66.53
199	14.40	4	3.40	1.34	58.18
200	11.61	4	2.03	0.65	82.68
201	14.04	4	2.03	0.65	48.56

Mean Dpar	= 2.41	Std. Dev. (um)	= 1.43
Mean Dper	= 0.71	Skewness	= -1.28
Mean length (um)	= 14.34+/- 0.10	Kurtosis	= 2.75

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.83	2	1.85	0.43	42.11
2	15.86	2	1.85	0.43	20.37
3	14.13	4	1.79	0.40	44.71
4	13.25	4	2.31	0.82	86.67
5	15.71	4	2.25	1.04	72.32
6	15.78	4	2.16	0.63	59.20
7	15.47	4	2.16	0.63	41.54
8	14.25	4	2.16	0.63	41.37
9	16.80	4	3.05	1.80	18.27
10	15.76	4	3.05	1.80	73.19
11	14.72	4	3.05	1.80	24.64
12	14.40	4	3.05	1.80	63.98
13	12.81	4	3.41	1.13	77.90
14	15.09	4	2.50	0.34	50.00
15	14.24	4	2.50	0.34	41.42
16	15.99	4	2.50	0.34	76.99
17	14.39	4	2.50	0.34	43.12
18	17.68	4	2.50	0.34	30.85
19	15.14	4	2.50	0.34	30.27
20	14.42	4	2.50	0.34	82.64
21	13.64	4	2.50	0.34	74.95
22	13.55	4	2.50	0.34	87.85
23	4.89	2	1.55	0.10	72.73
24	12.17	2	2.31	0.65	72.20
25	13.45	2	2.31	0.65	57.62
26	15.01	1	2.25	0.71	41.85
27	15.42	4	1.67	0.42	87.65
28	13.98	4	1.67	0.42	51.27
29	14.91	4	1.67	0.42	64.74
30	13.78	4	1.67	0.42	12.16
31	13.48	4	1.67	0.42	40.38
32	14.11	4	1.67	0.42	28.84
33	14.04	4	1.67	0.42	84.63
34	13.45	4	1.67	0.42	82.83
35	13.99	4	1.67	0.42	50.68
36	14.05	4	1.67	0.42	61.91
37	14.58	4	1.67	0.42	53.98

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.67	4	2.28	0.51	68.58
39	15.47	4	2.28	0.51	34.18
40	14.81	4	2.28	0.51	68.63
41	14.34	4	2.28	0.51	34.06
42	13.74	4	2.28	0.51	50.38
43	14.05	4	2.28	0.51	43.72
44	15.99	4	2.28	0.51	15.71
45	14.62	4	2.28	0.51	68.51
46	14.02	4	2.28	0.51	50.84
47	12.43	4	2.28	0.51	38.31
48	15.08	4	2.27	0.31	73.68
49	15.31	4	2.27	0.31	28.99
50	13.97	4	2.27	0.31	51.82
51	14.63	4	2.27	0.31	68.24
52	11.69	4	2.27	0.31	48.44
53	14.74	4	2.27	0.31	77.37
54	16.27	4	2.27	0.31	18.12
55	14.28	4	2.27	0.31	36.05
56	13.95	4	2.85	0.76	77.24
57	14.55	4	2.68	0.95	55.63
58	15.48	4	2.68	0.95	65.27
59	15.02	4	2.27	0.48	36.25
60	14.17	4	2.27	0.48	54.94
61	13.89	4	1.91	0.58	78.31
62	13.46	4	1.91	0.58	63.88
63	15.90	4	2.84	0.56	83.94
64	13.74	4	2.84	0.56	67.49
65	13.64	4	2.73	0.40	63.66
66	14.78	4	1.84	0.51	35.60
67	12.89	4	1.84	0.51	66.12
68	15.84	4	2.44	0.86	47.35
69	15.05	4	2.44	0.86	8.86
70	16.99	4	2.58	0.78	49.51
71	11.03	4	1.80	0.47	76.39
72	13.66	4	1.80	0.47	81.90
73	14.32	4	1.80	0.47	88.45
74	11.92	4	1.80	0.47	83.08
75	16.37	4	2.52	0.35	70.99
76	13.75	4	2.52	0.35	53.31
77	13.91	4	2.52	0.35	9.65

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.80	4	2.21	0.43	45.82
79	13.63	4	2.21	0.43	53.19
80	15.18	4	2.21	0.43	42.48
81	12.75	4	2.21	0.43	72.88
82	11.92	4	1.73	0.24	73.10
83	10.01	4	1.73	0.24	81.05
84	12.52	4	1.73	0.24	71.60
85	14.15	4	3.31	0.87	48.27
86	16.11	4	3.31	0.87	63.62
87	13.85	4	3.31	0.87	74.83
88	13.08	1	1.34	0.33	61.61
89	13.69	1	1.34	0.33	23.75
90	15.66	4	2.92	0.61	72.31
91	15.82	4	2.92	0.61	66.04
92	12.93	4	2.06	0.38	68.41
93	16.57	4	2.06	0.38	38.52
94	14.98	4	2.06	0.38	14.58
95	13.32	4	2.06	0.38	75.22
96	14.16	4	2.45	1.03	31.26
97	9.65	4	2.45	1.03	86.63
98	15.39	4	2.45	1.03	22.32
99	14.59	4	3.58	0.92	22.88
100	14.70	4	3.58	0.92	75.47
101	16.51	4	3.58	0.92	14.86
102	14.04	4	3.58	0.92	42.73
103	15.61	4	2.56	0.84	72.96
104	14.48	4	2.56	0.84	25.46
105	14.28	4	2.56	0.84	31.00
106	12.42	4	2.56	0.84	37.47
107	9.32	4	2.56	0.84	73.00
108	15.76	4	2.63	0.68	51.29
109	14.57	4	2.41	0.53	74.79
110	12.46	4	2.41	0.53	74.09
111	15.16	4	2.41	0.53	39.44
112	13.90	4	2.76	0.81	29.46
113	13.09	4	2.76	0.81	63.65
114	15.46	4	1.80	0.63	89.87
115	13.21	4	1.80	0.63	44.89
116	11.35	4	2.30	0.61	81.57
117	14.66	4	2.64	0.81	67.47

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.42	4	2.64	0.81	75.80
119	14.28	4	2.64	0.81	54.46
120	13.97	4	2.64	0.81	55.12
121	14.95	4	1.71	0.28	77.55
122	13.92	4	1.71	0.28	47.43
123	12.50	4	2.51	0.35	43.63
124	15.68	4	2.51	0.35	88.60
125	14.61	4	2.51	0.35	39.47
126	15.71	3	2.06	0.34	8.91
127	16.24	3	2.06	0.34	64.07
128	14.36	4	3.24	0.67	86.27
129	14.46	4	2.17	0.49	67.75
130	14.90	4	2.17	0.49	63.36
131	13.11	4	2.17	0.49	61.86
132	13.14	4	2.17	0.49	69.83
133	13.81	4	2.17	0.49	42.00
134	16.00	4	2.17	0.49	83.15
135	12.47	4	2.17	0.49	79.10
136	13.87	4	2.17	0.49	46.16
137	15.31	4	2.17	0.49	66.07
138	10.87	4	2.17	0.49	88.49
139	15.83	4	2.17	0.49	40.03
140	14.49	4	2.17	0.49	53.65
141	13.14	4	2.17	0.49	58.00
142	15.11	4	2.17	0.49	71.50
143	14.15	4	2.17	0.49	40.64
144	15.50	4	2.17	0.49	60.15
145	15.11	4	2.17	0.49	34.44
146	14.93	4	2.17	0.49	62.21
147	12.59	4	2.17	0.49	51.07

Mean Dpar	= 2.31	Std. Dev. (um)	= 1.58
Mean Dper	= 0.57	Skewness	= -1.78
Mean length (um)	= 14.19+/- 0.13	Kurtosis	= 7.59

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.66	4	2.05	0.28	53.92
2	13.52	4	2.05	0.28	68.40
3	15.19	4	2.05	0.28	27.38
4	15.02	4	2.05	0.49	75.63
5	13.09	4	2.05	0.49	16.36
6	10.74	4	2.05	0.49	41.95
7	14.73	4	2.05	0.49	67.22
8	13.09	4	1.80	0.67	45.14
9	9.96	4	1.80	0.67	50.03
10	12.94	4	1.87	0.42	78.18
11	13.12	4	1.87	0.42	35.61
12	13.33	4	1.87	0.42	56.38
13	12.67	4	1.87	0.42	39.54
14	14.79	4	1.78	0.42	75.84
15	10.59	4	1.78	0.42	67.14
16	14.38	1	2.03	0.48	38.80
17	13.52	2	1.87	0.44	21.48
18	14.35	2	1.87	0.44	74.69
19	13.58	1	2.63	0.66	87.98
20	14.33	4	1.81	0.31	25.05
21	14.26	4	1.81	0.31	58.83
22	14.92	4	2.18	0.24	28.63
23	14.14	4	2.18	0.24	37.05
24	14.49	4	2.18	0.24	67.90
25	12.14	4	2.18	0.24	63.82
26	13.00	4	1.68	0.20	54.80
27	14.23	4	1.68	0.20	67.94
28	13.04	4	1.68	0.20	55.84
29	13.99	4	1.68	0.20	57.58
30	14.25	4	1.99	0.42	69.31
31	9.75	4	1.99	0.42	63.36
32	14.12	4	1.99	0.42	73.61
33	11.36	4	1.99	0.42	79.22
34	14.71	4	2.24	0.80	47.77
35	14.02	4	2.24	0.80	37.75
36	13.04	1	1.83	0.43	14.11
37	15.64	1	1.83	0.43	26.71

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	12.47	1	1.83	0.43	42.87
39	14.83	1	2.50	0.31	24.80
40	13.15	1	2.50	0.31	50.15
41	13.71	1	2.50	0.31	72.64
42	14.14	3	1.94	0.30	45.66
43	14.45	4	2.26	0.39	54.41
44	10.41	4	2.26	0.39	61.78
45	15.79	4	2.20	0.38	49.50
46	13.41	4	2.20	0.38	43.67
47	15.65	4	2.20	0.38	52.71
48	13.62	4	2.20	0.38	40.99
49	14.59	4	2.20	0.38	58.08
50	13.49	4	2.20	0.38	84.21
51	15.67	4	2.47	1.19	53.88
52	12.89	4	2.47	1.19	71.40
53	13.11	4	2.41	0.81	71.10
54	12.31	4	2.41	0.81	57.68
55	14.57	4	2.41	0.81	46.07
56	11.93	4	2.41	0.81	78.33
57	14.76	4	2.41	0.81	35.80
58	12.68	4	2.41	0.81	68.46
59	14.93	4	2.41	0.81	29.00
60	12.93	4	2.41	0.81	60.66
61	12.48	4	2.41	0.81	56.78
62	14.95	4	2.41	0.81	43.12
63	15.81	4	2.41	0.81	37.98
64	14.00	4	2.41	0.81	55.70
65	14.67	2	1.55	0.24	60.54
66	14.29	2	1.55	0.24	55.64
67	13.73	4	1.79	0.18	79.50
68	13.16	4	1.79	0.18	63.37
69	13.87	4	1.79	0.18	33.07
70	12.22	4	1.79	0.18	43.18
71	13.80	4	1.79	0.18	43.34
72	12.91	4	2.50	0.33	55.01
73	11.95	4	2.50	0.33	15.06
74	13.39	4	2.50	0.33	70.15
75	14.82	4	2.19	0.35	45.86
76	15.11	4	2.19	0.35	46.65
77	10.01	4	2.03	0.21	72.46

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.36	4	2.03	0.21	83.50
79	15.75	4	1.96	0.30	47.42
80	15.57	4	2.21	0.66	85.63
81	15.44	4	2.21	0.66	39.77
82	14.29	4	2.21	0.66	36.76
83	12.56	4	1.92	0.30	56.34
84	13.63	4	1.92	0.30	48.24
85	15.28	4	1.92	0.30	84.12
86	14.33	4	1.85	0.40	41.18
87	14.62	4	1.83	0.26	41.57
88	13.10	4	1.83	0.26	49.74
89	15.39	2	2.19	0.59	84.31
90	13.71	2	2.19	0.59	38.95
91	12.47	2	2.19	0.59	63.10
92	14.32	1	1.98	0.26	48.67
93	14.45	1	1.98	0.26	27.16
94	14.25	4	2.16	0.42	59.73
95	15.56	4	2.31	0.66	58.48
96	14.74	4	2.31	0.66	70.37
97	13.56	4	2.31	0.66	73.36
98	15.02	4	2.31	0.66	60.57
99	14.66	4	2.31	0.66	72.71
100	16.26	4	2.46	0.47	14.04
101	15.81	4	2.46	0.47	38.08
102	14.13	4	2.46	0.47	62.82
103	13.53	4	2.46	0.47	77.11
104	15.52	4	2.46	0.47	86.60
105	16.11	4	2.28	0.59	50.85
106	14.77	4	2.28	0.59	87.94
107	16.05	4	2.28	0.59	66.81
108	14.43	4	2.05	0.20	63.13
109	14.73	4	2.05	0.20	44.34
110	16.88	4	2.07	0.24	32.92
111	13.95	4	2.07	0.24	47.45
112	16.02	4	2.18	0.23	41.48
113	15.07	2	2.12	0.62	8.79
114	15.45	2	2.12	0.62	47.36
115	14.90	2	2.12	0.62	71.02
116	14.56	2	2.12	0.62	46.85
117	14.03	4	2.03	0.34	65.63

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.45	4	2.03	0.34	67.27
119	10.98	4	1.98	0.40	83.88
120	12.63	4	1.98	0.40	80.03
121	15.41	4	1.98	0.40	26.79
122	12.66	2	1.77	0.25	50.08
123	13.58	4	2.28	0.19	53.13
124	13.24	4	2.28	0.19	57.09
125	14.76	2	1.94	0.48	52.22
126	14.67	2	1.94	0.48	16.91
127	16.12	4	2.37	0.65	83.41
128	15.24	4	2.37	0.65	14.03
129	15.43	4	2.37	0.65	58.07
130	13.19	4	2.37	0.65	52.46
131	15.58	4	2.23	0.48	40.56
132	16.85	4	2.23	0.48	39.84
133	15.06	4	2.23	0.48	39.19
134	17.22	4	2.23	0.48	27.26
135	14.57	4	2.23	0.48	41.69
136	15.39	4	2.23	0.48	56.26
137	15.98	2	1.73	0.58	54.33
138	14.80	2	1.73	0.58	50.00
139	16.60	4	2.06	0.16	48.33
140	14.47	4	2.06	0.16	51.83
141	15.46	4	2.23	0.33	64.07
142	12.45	4	2.23	0.33	63.65
143	14.08	4	2.23	0.33	78.72
144	14.97	4	2.23	0.33	79.62
145	14.44	4	2.23	0.33	61.14
146	14.71	4	2.23	0.33	41.35
147	12.54	4	1.93	0.24	84.80
148	14.02	4	1.93	0.24	40.26
149	16.47	2	2.27	0.66	19.10
150	13.02	4	1.83	0.20	40.30
151	14.83	4	1.83	0.20	42.77
152	15.55	4	1.83	0.20	83.75
153	16.09	4	1.65	0.28	85.17
154	13.74	1	1.88	0.56	30.13
155	15.50	1	1.88	0.56	70.74
156	13.87	1	1.88	0.56	88.00
157	14.40	4	1.96	0.48	49.37

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	12.00	4	1.96	0.48	80.90
159	13.20	4	1.96	0.48	73.21
160	13.11	4	1.96	0.48	47.62
161	14.73	4	1.96	0.48	48.41
162	13.35	4	1.96	0.48	76.87
163	13.30	4	1.96	0.48	27.25
164	14.41	1	2.19	0.28	44.39
165	15.92	4	2.04	0.25	69.00
166	14.65	4	2.04	0.25	73.20
167	15.62	4	2.04	0.25	63.06
168	15.13	4	2.08	0.44	43.89
169	15.24	4	2.08	0.44	42.80
170	15.11	4	2.08	0.44	56.72
171	15.10	3	1.81	0.48	59.91
172	14.97	3	1.81	0.48	54.36
173	13.79	4	2.45	0.67	45.90
174	13.16	4	2.45	0.67	88.27
175	12.93	4	2.45	0.67	41.61
176	12.71	4	2.45	0.67	46.80
177	14.46	4	2.45	0.67	77.49
178	13.16	4	2.45	0.67	63.90
179	13.13	4	1.92	0.30	76.47
180	13.37	4	1.92	0.30	60.93
181	14.55	4	1.92	0.30	39.97
182	12.61	1	2.33	0.45	53.74
183	13.99	4	2.24	0.33	83.78
184	15.29	4	2.24	0.33	78.40
185	14.24	4	2.24	0.33	35.73
186	14.23	4	2.24	0.33	59.35
187	14.40	4	2.24	0.23	84.43
188	14.19	4	2.00	0.29	40.51
189	15.31	4	2.13	0.24	34.04
190	15.64	4	2.13	0.24	87.37
191	15.19	4	2.13	0.24	43.65
192	14.20	4	2.13	0.24	40.71
193	15.39	4	2.13	0.24	23.53
194	15.30	4	2.13	0.24	68.70
195	16.24	4	2.40	0.43	52.43
196	9.83	4	2.40	0.43	88.52
197	14.42	4	2.40	0.43	82.46

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.43	4	2.40	0.43	51.00
199	10.41	4	2.40	0.43	47.18
200	16.33	4	1.91	0.23	52.98
201	17.22	4	1.91	0.23	38.83
202	14.79	4	1.91	0.23	86.36
203	14.54	4	1.91	0.23	45.60

Mean Dpar	= 2.11	Std. Dev. (um)	= 1.40
Mean Dper	= 0.43	Skewness	= -0.73
Mean length (um)	= 14.16+/- 0.10	Kurtosis	= 0.92

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.33	2	1.66	0.42	61.35
2	11.70	2	1.66	0.42	42.39
3	13.66	4	1.85	0.37	63.72
4	14.17	4	1.85	0.37	76.23
5	13.59	4	1.71	0.30	26.42
6	11.65	4	2.32	0.29	84.39
7	17.72	4	2.32	0.29	17.15
8	12.69	1	2.13	0.12	58.13
9	13.56	4	1.85	0.33	38.71
10	14.25	4	2.39	0.19	38.66
11	15.53	4	2.39	0.19	51.99
12	10.41	4	2.39	0.19	71.86
13	15.26	2	1.86	0.26	68.38
14	14.29	2	1.86	0.26	42.14
15	14.69	2	1.86	0.26	70.52
16	11.06	2	2.10	0.47	67.08
17	13.66	4	1.84	0.34	66.46
18	13.05	1	1.87	0.21	61.27
19	10.31	1	2.10	0.47	80.28
20	15.21	4	1.77	0.30	45.46
21	13.18	4	1.77	0.30	55.33
22	13.95	4	1.77	0.30	71.82
23	14.78	4	2.06	0.26	6.15
24	14.01	2	2.05	0.51	35.88
25	14.97	3	1.74	0.24	68.25
26	14.73	4	1.91	0.33	70.27
27	13.46	4	1.91	0.33	37.48
28	14.29	4	1.91	0.33	74.56
29	14.92	4	1.91	0.33	32.47
30	14.40	4	1.70	0.45	49.90
31	15.55	1	2.21	0.39	17.81
32	14.86	1	2.21	0.39	57.41
33	14.89	1	2.21	0.39	76.16
34	15.18	1	2.21	0.39	56.78
35	14.88	4	1.96	0.39	48.28
36	14.08	4	2.27	0.31	73.68
37	15.31	4	2.27	0.31	28.99

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.97	4	2.27	0.31	51.82
39	14.63	4	2.27	0.31	68.24
40	13.99	4	2.85	0.76	77.24
41	14.15	4	2.68	0.95	55.63
42	15.48	4	2.68	0.95	65.27
43	15.32	4	2.27	0.48	36.25
44	14.17	4	2.27	0.48	54.94
45	14.89	4	1.91	0.58	78.31
46	13.46	4	1.91	0.58	63.88
47	15.10	4	2.84	0.56	83.94
48	13.74	4	2.84	0.56	67.49
49	13.84	4	2.73	0.40	63.66
50	14.38	4	1.84	0.51	35.60
51	12.89	4	1.84	0.51	66.12
52	15.14	4	2.44	0.86	47.35
53	15.05	4	2.44	0.86	8.86
54	14.19	4	2.58	0.78	49.51
55	13.03	4	1.80	0.47	76.39
56	13.66	4	1.80	0.47	81.90
57	14.32	4	1.80	0.47	88.45
58	11.92	4	1.80	0.47	83.08
59	15.37	4	2.52	0.35	70.99
60	13.75	4	2.52	0.35	53.31
61	13.91	4	2.52	0.35	9.65
62	13.70	4	2.21	0.43	45.82
63	13.63	4	2.21	0.43	53.19
64	15.18	4	2.21	0.43	42.48
65	12.75	4	2.21	0.43	72.88
66	11.92	4	1.73	0.24	73.10
67	10.01	4	1.73	0.24	81.05
68	12.52	4	1.73	0.24	71.60
69	14.15	4	2.13	0.87	48.27
70	16.11	4	2.13	0.87	63.62
71	13.85	4	2.13	0.87	74.83
72	13.08	1	1.34	0.33	61.61
73	13.69	1	1.34	0.33	23.75
74	15.76	4	2.92	0.61	72.31
75	15.82	4	2.92	0.61	66.04
76	13.93	4	2.06	0.38	68.41
77	9.57	4	2.06	0.38	38.52

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.98	4	2.06	0.38	14.58
79	13.32	4	2.06	0.38	75.22
80	14.16	4	2.45	1.03	31.26
81	9.65	4	2.45	1.03	86.63
82	15.39	4	2.45	1.03	22.32
83	14.39	4	3.46	0.92	22.88
84	14.70	4	3.46	0.92	75.47
85	16.51	4	3.46	0.92	14.86
86	14.04	4	3.46	0.92	42.73
87	15.61	4	2.56	0.84	72.96
88	14.48	4	2.56	0.84	25.46
89	14.28	4	2.56	0.84	31.00
90	12.42	4	2.56	0.84	37.47
91	9.32	4	2.56	0.84	73.00
92	15.76	4	2.63	0.68	51.29
93	14.57	4	2.41	0.53	74.79
94	12.46	4	2.41	0.53	74.09
95	15.16	4	2.41	0.53	39.44
96	13.90	4	2.76	0.81	29.46
97	13.09	4	2.76	0.81	63.65
98	15.46	4	1.80	0.63	89.87
99	13.21	4	1.80	0.63	44.89
100	11.35	4	2.30	0.61	81.57
101	14.66	4	2.64	0.81	67.47
102	13.42	4	2.64	0.81	75.80
103	14.28	4	2.64	0.81	54.46
104	13.97	4	2.64	0.81	55.12
105	14.67	2	1.55	0.24	60.54
106	14.29	2	1.55	0.24	55.64
107	13.73	4	1.79	0.18	79.50
108	13.16	4	1.79	0.18	63.37
109	13.87	4	1.79	0.18	33.07
110	12.22	4	1.79	0.18	43.18
111	10.80	4	1.79	0.18	43.34
112	12.91	4	2.50	0.33	55.01
113	11.95	4	2.50	0.33	15.06
114	13.39	4	2.50	0.33	70.15
115	14.82	4	2.19	0.35	45.86
116	15.11	4	2.19	0.35	46.65
117	10.01	4	2.03	0.21	72.46

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.36	4	2.03	0.21	83.50
119	14.75	4	1.96	0.30	47.42
120	14.57	4	2.21	0.66	85.63
121	15.44	4	2.21	0.66	39.77
122	14.29	4	2.21	0.66	36.76
123	12.76	4	1.92	0.30	56.34
124	13.63	4	1.92	0.30	48.24
125	15.28	4	1.92	0.30	84.12
126	14.23	4	1.85	0.40	41.18

Mean Dpar	= 2.19	Std. Dev. (um)	= 1.48
Mean Dper	= 0.48	Skewness	= -0.96
Mean length (um)	= 13.87+/- 0.13	Kurtosis	= 1.24

02-EP-19
497-15

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.89	4	1.99	0.23	73.96
2	14.78	4	2.57	0.99	34.22
3	15.14	4	2.59	0.84	41.32
4	10.09	4	1.70	0.51	52.47
5	15.05	4	2.36	0.35	61.97
6	16.37	4	1.93	0.30	58.01
7	12.90	4	1.93	0.30	40.98
8	14.48	4	1.93	0.30	64.84
9	14.28	4	2.51	0.96	66.52
10	13.78	4	2.36	0.47	58.16
11	13.60	4	2.36	0.47	0.07
12	14.65	4	1.77	0.34	2.36
13	16.88	4	3.13	0.94	34.86
14	14.44	4	3.13	0.94	53.58
15	13.80	4	2.04	0.30	52.88
16	14.93	4	2.04	0.30	41.28
17	14.35	4	2.28	0.71	62.78
18	14.57	4	2.28	0.71	73.07
19	15.66	4	3.21	1.41	19.58
20	16.59	4	3.14	0.78	38.06
21	16.37	4	3.01	1.01	35.91
22	13.83	4	3.01	1.01	43.38
23	15.27	4	3.01	1.01	29.36

Mean Dpar	= 2.45	Std. Dev. (um)	= 1.41
Mean Dper	= 0.66	Skewness	= -1.10
Mean length (um)	= 14.64+/- 0.3	Kurtosis	= 2.42

02-EP-21
497-16

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.36	1	2.07	0.45	50.00
2	13.53	4	1.92	0.35	61.05
3	14.26	4	1.92	0.35	18.27
4	14.60	4	1.92	0.35	35.64

Mean Dpar	= 1.96	Std. Dev. (um)	= 0.46
Mean Dper	= 0.38	Skewness	= -0.53
Mean length (um)	= 14.19+/- 0.27	Kurtosis	= -1.80

02-EP-22a
497-17

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.77	4	2.63	0.80	69.88
2	17.54	4	1.99	0.47	26.61
3	15.39	4	1.99	0.47	72.75
4	14.18	4	1.87	0.29	38.65
5	13.87	4	1.83	0.28	67.49
6	14.25	4	1.83	0.28	60.86
7	13.71	4	1.80	0.72	68.62
8	14.77	4	2.51	1.06	52.56
9	14.57	4	2.61	0.91	52.92
10	14.51	4	2.61	0.91	50.17
11	14.01	4	1.74	0.33	45.78
12	14.25	4	1.74	0.33	64.06
13	14.51	4	1.74	0.33	42.91
14	5.37	4	2.58	0.40	80.29
15	13.62	2	2.50	1.06	45.07
16	13.24	2	2.50	1.06	58.04
17	13.52	2	2.50	1.06	72.84
18	14.05	3	2.20	0.43	76.17
19	13.80	3	2.20	0.43	21.80
20	8.38	4	2.40	0.39	42.62
21	14.12	4	2.16	0.65	49.61
22	13.47	4	2.16	0.65	75.31
23	14.10	4	2.16	0.65	33.37
24	13.36	4	2.16	0.65	67.12
25	13.31	4	2.16	0.65	34.27
26	13.99	4	2.16	0.65	63.39
27	11.36	4	3.34	1.65	75.62
28	12.42	4	3.20	1.15	50.53
29	13.37	4	3.00	1.00	44.18
30	16.04	4	3.00	1.00	70.38
31	15.75	4	2.06	0.30	26.75
32	13.79	4	2.06	0.30	60.09
33	13.99	4	2.19	0.31	48.02
34	13.87	4	2.21	0.43	77.76
35	12.75	4	2.21	0.43	69.01
36	14.07	4	2.21	0.43	45.10
37	15.72	4	1.83	0.86	38.03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.00	4	2.63	0.80	54.66
39	14.12	4	2.63	0.80	42.71
40	16.62	4	2.63	0.80	31.58
41	15.07	4	2.63	0.80	39.10
42	4.37	4	2.63	0.80	89.02
43	15.31	4	2.63	0.80	56.90
44	15.17	4	2.54	0.92	67.33
45	13.44	4	2.54	0.92	59.33
46	14.20	4	3.40	1.22	59.80
47	13.69	4	3.40	1.22	78.66
48	17.23	4	3.40	1.22	41.16
49	13.11	4	3.40	1.22	44.44
50	12.95	4	3.40	1.22	80.67
51	17.27	4	3.40	1.22	63.68
52	15.33	4	2.13	0.75	53.83
53	14.20	4	2.10	0.31	75.75
54	13.91	4	1.94	0.43	40.77
55	14.90	4	1.94	0.43	24.98
56	15.62	4	2.94	0.96	67.29
57	16.23	4	2.94	0.96	67.50
58	14.92	4	2.94	0.96	25.86
59	16.26	4	2.94	0.96	33.24
60	15.47	4	2.92	0.76	16.14
61	11.22	1	2.74	0.96	69.93
62	15.11	4	2.41	0.90	26.72
63	14.33	4	2.41	0.90	59.24
64	15.88	4	3.57	0.78	73.67
65	15.19	4	3.57	0.78	55.41
66	15.80	4	3.57	0.78	83.15
67	15.20	4	3.57	0.78	85.72
68	14.56	4	3.57	0.78	44.28
69	12.11	4	3.57	0.78	59.14
70	13.29	4	3.57	0.78	74.48
71	16.43	4	3.57	0.78	28.83
72	13.76	4	3.57	0.78	51.14
73	14.37	2	1.93	0.40	41.81
74	14.20	2	1.93	0.40	60.79
75	14.19	2	1.93	0.40	43.31
76	17.27	4	2.79	0.86	60.37
77	14.39	4	2.79	0.86	49.52

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.66	4	2.79	0.86	13.65
79	14.66	4	2.79	0.86	84.76
80	15.05	4	3.80	1.05	51.52
81	13.05	4	3.80	1.05	57.58
82	16.81	4	2.08	0.34	73.78
83	13.68	4	1.87	0.28	26.65
84	14.06	4	1.97	0.37	66.66
85	13.30	4	3.69	1.46	64.66
86	13.44	4	2.60	1.29	25.69
87	15.48	4	2.60	1.29	33.99
88	12.64	4	1.67	0.33	64.38
89	13.22	4	1.67	0.33	39.68
90	14.01	4	1.67	0.33	59.76
91	13.12	4	2.11	0.48	51.86
92	13.30	4	2.11	0.48	73.91
93	14.26	4	2.57	1.01	36.81
94	13.95	4	3.06	0.87	68.45
95	16.87	4	3.06	0.87	20.89
96	14.30	4	3.06	0.87	20.84
97	13.40	4	2.14	0.57	79.78
98	15.12	4	2.14	0.57	51.35
99	16.03	4	2.98	0.65	68.18
100	15.83	4	2.98	0.65	21.06
101	14.43	4	3.16	1.22	71.03
102	14.59	4	2.25	0.78	82.09
103	13.35	4	2.05	0.53	80.78
104	14.55	4	2.74	0.84	72.72
105	13.32	4	2.74	0.84	76.69
106	15.36	4	2.10	1.10	49.75
107	15.68	4	2.10	1.10	86.35
108	13.29	4	2.63	0.71	26.09
109	15.60	4	2.63	0.71	87.23
110	13.99	4	2.63	0.71	49.81
111	15.14	4	2.17	0.62	86.53
112	13.61	1	1.79	0.56	15.57
113	14.86	1	1.79	0.56	87.99
114	14.79	1	1.79	0.56	27.59
115	14.47	1	1.79	0.56	46.58
116	14.83	4	2.04	0.23	71.47
117	13.87	4	2.64	0.39	84.51

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.31	4	2.64	0.39	60.50
119	14.42	4	2.17	0.78	58.27
120	13.18	4	2.17	0.78	89.97
121	12.23	4	2.17	0.78	39.92
122	14.19	4	2.17	0.78	65.52
123	15.16	4	2.17	0.78	47.60
124	16.18	4	2.18	0.82	22.81
125	14.71	4	2.18	0.82	46.67
126	16.54	4	2.18	0.82	49.95
127	14.65	4	2.18	0.82	54.14
128	15.89	4	2.18	0.82	74.87
129	15.01	4	3.60	0.95	59.39
130	15.59	4	3.60	0.95	15.35
131	14.10	4	3.60	0.95	48.13
132	15.69	4	3.60	0.95	57.50
133	15.02	4	3.26	1.23	88.50
134	14.80	4	3.26	1.23	55.02
135	15.17	4	2.59	0.57	52.37
136	14.42	4	2.59	0.57	55.33
137	12.97	4	2.58	0.85	87.14
138	13.64	4	2.58	0.85	81.79
139	14.61	4	2.58	0.85	34.30
140	14.12	4	1.81	0.43	54.13
141	14.42	4	1.81	0.43	29.86
142	15.15	4	1.81	0.43	81.58
143	14.05	4	2.70	0.70	46.29
144	12.44	4	2.70	0.70	45.05
145	14.34	1	2.11	0.48	77.58
146	14.64	4	3.03	1.05	82.34
147	15.72	4	3.44	1.01	20.06
148	14.20	4	3.44	1.01	53.37
149	12.97	4	2.87	0.47	74.78
150	5.90	4	2.13	0.16	86.83
151	15.77	4	2.56	0.99	49.65
152	13.47	4	2.56	0.99	50.87
153	13.51	4	2.56	0.99	24.83
154	9.89	3	2.45	0.40	53.41
155	15.69	4	3.18	1.29	46.33
156	16.39	4	3.18	1.29	48.94
157	15.02	4	3.18	1.29	71.06

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	10.58	4	3.18	1.29	35.78
159	10.56	4	3.18	1.29	85.58
160	12.85	4	3.18	1.29	55.40
161	14.54	4	3.18	1.29	74.37
162	14.20	4	2.70	0.92	42.75
163	14.24	4	2.70	0.92	30.41
164	13.79	4	2.81	1.20	49.98
165	13.35	4	1.88	0.44	67.10
166	15.13	4	1.88	0.44	57.78
167	12.65	4	1.88	0.44	54.51
168	12.38	4	1.88	0.44	77.50
169	14.09	4	1.88	0.44	63.36
170	13.47	4	2.63	0.53	42.06
171	14.81	4	1.99	0.34	74.11
172	14.46	4	1.99	0.34	66.90
173	14.26	4	1.99	0.34	71.38
174	15.04	4	1.99	0.34	37.56
175	11.96	4	2.37	0.89	78.12
176	14.75	4	1.98	0.53	28.58
177	12.75	4	1.98	0.53	42.78
178	14.88	4	1.98	0.53	46.33
179	14.03	4	1.98	0.53	67.02
180	14.48	4	2.58	0.48	36.74
181	17.27	4	2.71	0.87	33.66
182	14.48	4	2.71	0.87	63.18
183	14.11	4	2.18	0.73	40.33
184	15.68	4	2.64	0.89	34.69
185	15.26	4	1.79	0.37	25.59
186	14.54	4	1.79	0.37	42.35
187	14.09	4	2.38	0.86	49.84
188	15.15	4	2.08	0.29	30.02
189	14.57	4	2.08	0.29	10.06
190	14.30	4	2.08	0.29	43.56
191	13.45	4	1.79	0.33	48.26
192	13.78	4	1.79	0.33	55.05
193	14.05	4	1.79	0.33	53.45
194	14.82	4	2.79	0.52	11.71
195	11.97	2	2.14	0.42	54.04
196	14.49	2	2.14	0.42	78.79
197	16.64	4	2.11	0.42	50.34

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	9.50	4	2.11	0.42	51.26
199	14.37	4	2.11	0.42	54.01
200	15.30	4	1.70	0.38	88.81
201	11.55	4	1.70	0.38	67.91
202	12.52	4	1.70	0.38	45.13
203	14.18	4	1.70	0.38	69.71

Mean Dpar	= 2.49	Std. Dev. (um)	= 1.75
Mean Dper	= 0.71	Skewness	= -2.23
Mean length (um)	= 14.16+/- 0.12	Kurtosis	= 9.40

02-EP-23a
497-18

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.68	2	1.80	0.56	19.75
2	14.61	2	1.80	0.56	62.38
3	11.85	4	1.97	0.54	86.51
4	15.08	4	1.97	0.54	41.58
5	14.68	4	2.04	0.42	77.63
6	14.88	4	2.04	0.42	49.75
7	13.08	4	1.58	0.40	53.77
8	16.38	2	1.90	0.20	38.39
9	13.76	4	1.64	0.26	61.19
10	15.73	4	1.64	0.26	34.98
11	14.98	4	1.64	0.26	47.85
12	14.17	4	1.64	0.26	37.75
13	16.03	4	1.78	0.19	70.47
14	15.03	4	1.78	0.19	41.40
15	14.05	4	1.78	0.19	76.94
16	14.88	4	1.78	0.19	64.36
17	15.16	4	1.78	0.19	36.57
18	13.41	4	1.78	0.19	48.46
19	14.62	4	1.78	0.19	40.81
20	11.91	4	1.78	0.19	63.25
21	13.66	4	1.78	0.19	43.47
22	16.22	4	1.78	0.19	52.30
23	13.63	4	1.78	0.19	16.97
24	16.07	4	1.78	0.19	74.05
25	14.52	4	1.78	0.19	53.45
26	16.76	1	1.90	0.53	57.33
27	14.92	4	1.81	0.29	27.50
28	14.95	2	1.79	0.30	60.74
29	13.56	2	1.79	0.30	55.40
30	14.40	1	2.17	0.26	35.79
31	14.47	1	2.17	0.26	50.77
32	14.20	4	1.77	0.44	46.10
33	14.40	4	1.77	0.44	37.68
34	12.49	4	1.77	0.44	72.22
35	12.75	4	1.77	0.44	42.39
36	14.58	4	1.77	0.44	48.77
37	14.64	4	1.77	0.44	62.64

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.21	4	1.77	0.44	82.73
39	15.54	2	1.66	0.20	58.58
40	15.43	4	1.70	0.19	58.61
41	14.35	4	1.70	0.19	88.85
42	14.27	4	2.01	0.38	83.57
43	15.26	4	1.80	0.38	83.82
44	14.76	4	1.80	0.38	34.02
45	15.36	4	1.80	0.38	33.30
46	14.73	2	1.91	0.20	7.93
47	13.47	2	1.91	0.20	44.81
48	14.12	4	1.86	0.25	84.77
49	13.81	4	1.86	0.25	47.45
50	13.85	4	1.86	0.25	73.51
51	13.38	4	1.86	0.25	59.97
52	11.33	2	1.80	0.37	81.12
53	13.73	1	1.94	0.30	87.69
54	14.07	1	1.94	0.30	64.36
55	11.71	4	1.98	0.33	72.64
56	13.51	4	1.98	0.33	86.73
57	11.67	4	1.98	0.33	78.28
58	11.74	4	1.98	0.33	82.54
59	13.75	4	1.98	0.33	37.36
60	14.76	4	1.98	0.33	40.78
61	11.11	4	1.98	0.33	55.11
62	12.25	4	1.98	0.33	35.58

Mean Dpar	= 1.84	Std. Dev. (um)	= 1.29
Mean Dper	= 0.31	Skewness	= -0.51
Mean length (um)	= 14.17+/- 0.16	Kurtosis	= -0.17

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.45	4	2.56	0.72	85.36
2	12.00	4	2.56	0.72	61.84
3	15.29	4	2.56	0.72	75.60
4	14.84	4	2.56	0.72	75.68
5	14.74	4	2.56	0.72	36.73
6	14.82	4	2.39	0.72	53.46
7	14.31	4	2.39	0.72	74.16
8	14.04	4	2.80	0.94	87.54
9	14.21	4	2.80	0.94	60.07
10	13.22	4	2.70	1.04	68.12
11	14.32	4	3.13	0.98	54.49
12	13.16	4	3.13	0.98	22.01
13	16.22	4	3.13	0.98	23.79
14	15.21	4	2.32	0.77	80.26
15	11.56	4	2.32	0.77	83.16
16	12.35	4	2.66	1.09	72.29
17	15.36	4	3.01	1.22	52.54
18	13.67	4	3.01	1.22	85.52
19	14.89	4	2.16	0.53	27.74
20	14.23	4	2.16	0.53	45.69
21	14.71	4	2.14	0.47	71.35
22	13.86	4	2.14	0.47	59.44
23	12.85	4	2.14	0.47	79.39
24	15.20	4	2.14	0.47	88.57
25	14.75	4	2.14	0.47	88.76
26	14.65	4	2.14	0.47	33.86
27	15.84	4	2.14	0.47	27.45
28	15.17	4	2.14	0.47	31.99
29	15.45	4	2.30	0.73	40.83
30	13.89	4	2.30	0.73	48.28
31	14.55	4	2.30	0.73	86.59
32	14.08	4	2.30	0.73	57.26
33	14.21	4	2.30	0.73	80.15
34	14.10	4	2.30	0.73	66.23
35	14.32	4	2.87	1.33	20.04
36	16.26	4	2.52	0.77	88.28
37	14.57	4	2.32	0.82	78.81

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.74	4	2.32	0.28	11.12
39	14.68	4	2.32	0.28	86.73
40	15.01	4	2.32	0.68	34.82
41	16.35	4	2.70	1.01	52.43
42	16.25	4	2.70	1.01	26.86
43	14.37	4	2.70	1.01	81.64
44	16.60	4	2.70	1.01	19.57
45	15.34	4	2.07	0.72	67.45
46	14.21	4	2.07	0.72	72.23
47	15.85	4	2.47	0.96	60.18
48	14.69	4	2.47	0.96	55.41
49	14.52	4	2.08	0.80	13.57
50	15.18	4	2.25	0.34	65.25
51	15.38	4	2.25	0.34	86.77
52	14.90	4	2.25	0.34	67.15
53	15.01	4	2.25	0.34	64.25
54	14.94	4	2.25	0.34	62.50
55	15.26	4	2.25	0.34	84.41
56	14.17	4	2.43	0.78	64.71
57	13.87	4	2.43	0.78	56.47
58	14.44	4	2.43	0.78	28.44
59	14.29	4	2.25	1.00	69.12
60	14.77	4	2.25	1.00	67.25
61	16.29	4	2.97	1.31	83.46
62	14.26	1	3.19	1.01	53.60
63	14.86	4	2.32	0.33	54.75
64	14.86	4	2.32	0.33	86.28
65	14.07	4	2.32	0.33	60.58
66	14.72	4	2.32	0.33	48.90
67	12.86	4	2.32	0.33	67.54
68	13.42	4	2.32	0.33	80.39
69	14.95	4	2.32	0.33	62.99
70	9.79	4	2.32	0.33	74.94
71	12.81	4	2.32	0.33	78.59
72	13.92	4	2.32	0.33	71.64
73	12.32	4	1.67	0.16	62.31
74	15.76	4	1.67	0.16	39.79
75	13.63	4	2.13	0.57	63.61
76	16.52	4	2.13	0.57	14.61
77	15.34	4	3.11	1.41	41.51

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.15	4	3.11	1.41	47.70
79	15.19	4	2.30	1.03	61.19
80	14.92	2	1.88	0.49	76.77
81	15.15	2	1.88	0.49	87.21
82	15.53	4	2.61	0.95	52.10
83	13.92	4	2.61	0.95	36.09
84	14.80	4	2.51	0.92	51.59
85	14.22	4	2.51	0.92	44.37
86	14.08	4	2.30	0.54	82.39
87	14.93	4	2.30	0.54	68.67
88	13.52	4	2.30	0.54	33.96
89	11.83	4	2.30	0.54	55.90
90	14.95	4	2.30	0.54	26.42
91	14.70	4	2.30	0.54	37.80
92	13.58	4	2.30	0.54	67.15
93	14.26	4	2.30	0.54	64.70
94	10.07	4	2.30	0.54	58.99
95	14.34	4	2.37	0.42	50.64
96	15.28	4	2.93	0.72	8.66
97	12.01	4	2.52	0.76	79.44
98	11.34	4	2.52	0.76	72.42
99	14.40	4	2.52	0.76	77.33
100	13.65	4	2.20	0.16	55.13
101	16.07	4	1.48	0.56	41.47
102	14.66	4	1.48	0.56	59.85
103	15.92	2	2.91	1.00	74.13
104	16.82	2	2.91	1.00	28.21
105	12.68	2	2.91	1.00	68.19
106	13.97	4	3.00	1.47	54.54
107	17.77	4	3.03	0.56	27.79
108	14.73	4	3.03	0.56	0.83
109	13.26	4	3.03	0.56	59.88
110	15.09	4	3.03	0.56	47.51
111	16.06	4	3.03	0.56	69.16
112	15.03	4	3.03	0.56	76.68
113	14.04	4	3.03	0.56	55.94
114	12.01	4	3.03	0.56	52.05
115	13.41	4	2.10	0.28	73.04
116	15.66	4	2.10	0.28	55.76
117	16.16	4	2.10	0.28	12.93

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	12.74	4	2.10	0.28	67.29
119	14.16	4	2.10	0.28	28.03
120	16.06	4	2.36	0.70	46.48
121	14.62	4	2.36	0.70	56.46
122	16.56	4	2.36	0.70	43.14
123	17.36	4	2.36	0.70	57.42
124	15.85	4	2.36	0.70	78.66
125	16.30	4	2.76	0.51	22.27
126	14.46	4	2.76	0.51	52.92
127	13.87	4	2.76	0.51	65.69
128	14.74	4	2.01	0.23	68.71
129	14.64	4	2.01	0.23	70.13
130	17.66	4	3.49	1.43	48.52
131	14.46	4	3.49	1.43	80.97
132	17.45	4	3.49	1.43	24.94
133	13.39	4	1.99	0.51	32.26
134	14.79	4	1.99	0.51	47.22
135	14.03	4	1.99	0.51	82.28
136	14.54	4	3.21	0.98	85.11
137	13.82	4	2.13	0.54	78.78
138	15.93	4	2.13	0.54	53.47
139	13.93	4	2.13	0.54	87.25
140	14.09	4	2.13	0.54	53.88
141	13.90	4	1.98	1.13	48.78
142	15.34	4	1.98	1.13	71.78
143	10.73	4	1.98	1.13	74.24
144	14.88	4	2.99	0.80	57.49
145	15.13	4	2.99	0.80	57.36
146	14.60	4	2.99	0.80	78.10
147	14.46	4	2.99	0.80	65.43
148	13.21	4	2.99	0.80	81.07
149	14.34	4	2.99	0.80	59.97
150	13.24	4	2.99	0.80	36.37
151	10.88	4	2.99	0.80	64.54
152	13.80	4	2.99	0.80	14.37
153	14.46	4	2.91	1.39	38.64
154	13.31	4	2.91	1.39	58.85
155	13.77	4	2.91	1.39	75.98
156	14.98	4	2.91	1.39	48.04
157	16.75	4	2.91	1.39	64.28

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.82	4	1.81	0.63	22.16
159	14.75	4	2.41	0.42	87.07
160	15.06	4	2.41	0.42	39.79
161	14.60	4	2.41	0.42	56.07
162	15.54	4	2.85	1.04	40.77
163	14.27	4	2.85	1.04	84.31
164	14.20	4	1.85	0.29	53.76
165	13.37	4	1.85	0.29	53.04
166	13.66	4	1.85	0.29	51.02
167	13.44	4	1.85	0.29	40.65
168	14.25	4	1.85	0.29	52.90
169	14.89	4	2.91	1.04	16.08
170	14.08	4	2.91	1.04	38.52
171	15.05	4	2.71	0.43	79.51
172	14.29	4	2.71	0.43	21.93
173	14.36	4	2.71	0.43	56.99
174	14.41	4	2.50	0.53	55.87
175	15.37	4	2.50	0.53	31.57
176	16.61	4	2.50	0.53	26.92
177	13.92	4	2.64	0.68	57.12
178	15.93	4	3.16	0.78	87.30
179	13.37	4	3.16	0.78	30.46
180	16.16	4	3.16	0.78	33.79
181	14.50	4	3.16	0.78	61.91
182	16.63	4	3.16	0.78	67.03
183	16.21	4	3.16	0.78	54.05
184	15.28	4	3.16	0.78	81.84
185	14.43	4	3.16	0.78	28.10
186	16.22	4	3.16	0.78	31.75
187	14.35	4	2.61	0.61	88.34
188	11.75	4	2.61	0.61	72.71
189	15.80	4	2.61	0.61	82.42
190	15.08	4	1.78	0.45	67.55
191	14.93	4	1.78	0.45	37.73
192	14.40	4	3.12	1.36	51.07
193	16.28	4	2.39	1.26	24.35
194	15.62	4	2.54	0.65	40.91
195	16.20	1	1.72	0.11	37.98
196	15.34	1	1.72	0.11	52.70
197	13.33	4	2.97	1.06	63.35

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	12.71	4	2.97	1.06	72.41
199	13.08	4	2.97	1.06	28.66
200	14.56	4	2.97	1.06	66.67
201	11.29	4	2.97	1.06	79.97
202	12.76	4	2.97	1.06	71.12

Mean Dpar	= 2.51	Std. Dev. (um)	= 1.31
Mean Dper	= 0.70	Skewness	= -0.61
Mean length (um)	= 14.52+/- 0.09	Kurtosis	= 1.33

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.23	4	1.87	0.65	49.55
2	13.12	4	1.87	0.65	42.44
3	14.17	4	1.87	0.65	86.71
4	13.29	4	1.87	0.65	42.42
5	12.44	1	1.64	0.54	52.44
6	13.68	1	1.64	0.54	44.27
7	14.79	4	1.45	0.31	67.42
8	14.78	4	1.45	0.31	39.42
9	12.95	4	1.45	0.31	68.41
10	13.74	4	1.45	0.31	47.81
11	14.64	4	1.45	0.31	42.14
12	14.91	4	1.45	0.31	7.16
13	13.58	4	1.45	0.31	53.24
14	14.39	4	1.45	0.31	70.72
15	14.07	4	1.45	0.31	76.26
16	12.48	4	1.45	0.31	88.52
17	14.39	4	1.45	0.31	20.21
18	14.22	4	1.45	0.31	79.31
19	14.83	4	1.45	0.31	53.54
20	14.34	4	1.45	0.31	57.30
21	12.23	4	1.45	0.31	25.55
22	14.75	4	1.45	0.31	87.02
23	13.75	4	2.98	1.22	24.87
24	15.55	4	2.33	0.92	74.69
25	13.93	4	2.33	0.92	69.86
26	14.20	4	2.33	0.92	52.71
27	15.49	4	2.33	0.92	23.15
28	14.79	4	2.67	0.99	78.62
29	15.16	4	2.67	0.99	85.26
30	14.93	4	2.58	0.95	62.62
31	13.13	4	2.58	0.95	29.41
32	14.73	4	2.58	0.95	87.23
33	15.51	4	2.58	0.95	30.96
34	14.40	4	2.28	0.37	60.41
35	13.97	4	2.28	0.37	74.78
36	11.02	4	2.80	1.10	52.16
37	15.24	4	2.21	0.78	66.11

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.00	3	1.48	0.25	35.37
39	13.56	4	2.25	0.61	77.82
40	15.52	4	2.25	0.61	21.15
41	13.44	4	2.25	0.61	84.00
42	15.40	4	2.45	1.00	54.62
43	15.04	4	2.45	1.00	69.95
44	13.84	4	1.80	0.24	49.59
45	14.27	4	1.80	0.24	15.54
46	11.06	4	1.80	0.24	55.08
47	15.05	4	1.80	0.24	39.59
48	14.82	4	1.72	0.65	48.53
49	12.63	4	1.72	0.65	75.04
50	14.55	4	2.06	0.29	71.90
51	12.98	4	2.06	0.29	39.19
52	15.22	4	2.06	0.29	78.66
53	12.58	4	2.06	0.29	27.94
54	13.95	4	2.06	0.29	77.46
55	14.36	4	2.06	0.29	83.19
56	13.95	4	3.50	1.26	87.97
57	15.69	4	3.50	1.26	34.58
58	14.55	4	3.50	1.26	18.45
59	13.57	4	1.87	0.38	89.52
60	16.63	4	1.87	0.38	87.30
61	14.56	4	1.87	0.38	34.67
62	13.37	4	1.87	0.38	62.38
63	14.44	4	1.87	0.38	21.80
64	15.09	4	1.93	0.72	52.04
65	15.76	4	2.07	0.44	84.97
66	14.28	4	2.07	0.44	41.76
67	15.25	4	2.27	0.56	41.34
68	12.26	4	2.03	0.30	37.05
69	15.96	4	2.03	0.30	12.57
70	12.39	4	2.03	0.30	44.54
71	15.17	4	2.03	0.30	44.07
72	13.06	4	2.03	0.30	88.65
73	14.76	4	2.03	0.30	20.62
74	15.37	4	2.03	0.30	51.11
75	14.82	4	2.03	0.30	50.92
76	15.39	4	2.03	0.30	55.74
77	13.20	4	2.03	0.30	50.40

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.67	4	2.03	0.30	83.05
79	14.93	4	2.03	0.30	79.19
80	11.08	4	1.71	0.45	84.06
81	13.99	4	1.71	0.45	75.27
82	15.11	4	1.71	0.45	12.58
83	14.55	4	1.71	0.45	58.92
84	14.84	4	1.72	0.42	64.81
85	15.65	4	1.72	0.42	72.29
86	15.57	4	1.72	0.42	36.64
87	14.76	4	1.72	0.42	63.28
88	12.49	2	2.01	0.21	77.26
89	15.70	2	2.01	0.21	54.57
90	14.10	2	2.01	0.21	64.47
91	12.73	4	2.25	0.42	44.46
92	13.77	4	2.25	0.42	81.94
93	13.28	4	2.25	0.42	25.56
94	14.30	4	2.32	0.67	79.72
95	14.52	4	2.32	0.67	84.75
96	12.79	4	2.32	0.67	56.61
97	13.90	4	2.21	0.70	86.93
98	14.08	4	2.21	0.70	53.24
99	14.52	4	1.71	0.31	68.81
100	14.45	4	2.40	0.82	70.96
101	15.87	4	2.40	0.82	82.51
102	14.12	4	2.40	0.82	22.84
103	13.50	4	2.40	0.82	21.39
104	15.89	4	2.86	0.61	54.05
105	13.31	4	2.86	0.61	51.05
106	15.62	4	2.46	1.24	26.80
107	14.49	4	2.46	1.24	64.35
108	13.46	4	2.45	0.33	80.62
109	15.20	4	2.94	1.46	40.07
110	14.48	4	2.94	1.46	63.82
111	14.94	4	2.94	1.46	31.30
112	14.01	4	3.24	1.29	56.26
113	13.31	4	3.24	1.29	86.02
114	15.13	4	2.92	1.20	53.90
115	16.37	4	2.92	1.20	78.18
116	14.99	4	2.92	1.20	88.71
117	16.39	4	2.92	1.20	13.17

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.07	4	2.92	1.20	74.59
119	10.99	4	2.92	1.20	70.72
120	16.37	4	2.92	1.20	26.42
121	14.95	4	2.92	1.20	37.49
122	16.84	4	2.76	1.12	3.90
123	15.28	4	2.76	1.12	80.88
124	14.30	4	2.76	1.12	55.91
125	16.08	4	3.21	1.27	66.89
126	16.76	4	3.21	1.27	42.81
127	15.95	4	3.21	1.27	74.03
128	16.41	4	3.21	1.27	61.31
129	15.66	4	2.32	0.67	63.28
130	14.54	4	2.32	0.67	62.19
131	14.02	4	1.87	0.44	52.86
132	12.42	4	1.87	0.44	71.36
133	13.85	4	1.87	0.44	66.32
134	13.46	4	2.11	0.82	1.23
135	10.55	4	2.11	0.82	78.99
136	14.80	4	2.41	0.78	56.45
137	12.79	4	2.41	0.78	45.31
138	15.05	4	2.41	0.78	54.96
139	16.07	4	2.41	0.78	74.27
140	15.84	4	2.41	0.78	42.30
141	15.57	4	2.41	0.78	32.52
142	13.68	4	2.41	0.78	74.85
143	13.24	4	2.41	0.78	74.73
144	11.66	4	2.41	0.78	50.50
145	13.98	4	2.41	0.78	72.06
146	14.73	4	2.41	0.78	65.61
147	12.07	4	2.41	0.78	61.85
148	14.75	4	2.97	1.14	61.03
149	11.66	4	2.97	1.14	88.39
150	14.19	4	2.97	1.14	35.64
151	15.09	4	2.39	0.84	63.29
152	13.21	4	2.39	0.84	60.04
153	14.81	4	2.39	0.84	34.84
154	14.86	4	2.52	0.84	56.52
155	17.24	4	2.52	0.84	26.21
156	13.41	4	2.52	0.84	49.76
157	12.12	4	2.52	0.84	81.98

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.24	4	2.90	0.90	38.41
159	14.72	4	2.70	1.14	64.50
160	13.35	4	2.70	1.14	84.74
161	14.75	4	2.70	1.14	59.46
162	13.68	4	2.80	1.20	56.76
163	15.86	4	2.80	1.20	79.13
164	14.11	4	2.80	1.20	29.29
165	13.35	4	2.80	1.20	54.90
166	13.34	4	2.24	0.84	60.01
167	13.42	4	1.99	0.73	67.83
168	13.37	4	1.99	0.73	50.02
169	15.57	4	1.99	0.73	66.63
170	15.15	4	2.85	1.06	79.53
171	14.42	2	1.84	0.29	52.25
172	13.85	2	1.84	0.29	20.45
173	13.05	4	2.76	0.66	70.24
174	16.85	4	2.76	0.66	64.42
175	11.10	4	2.26	0.89	78.08
176	16.07	2	1.92	0.54	71.95
177	12.67	2	1.92	0.54	74.70
178	14.19	2	1.92	0.54	36.37
179	14.81	4	2.45	0.85	57.99
180	15.28	4	2.45	0.85	48.61
181	15.24	4	2.45	0.85	79.13
182	14.89	4	2.45	0.85	35.00
183	14.76	4	2.45	0.85	74.45
184	14.35	4	2.45	0.85	52.03
185	13.92	4	2.45	0.85	49.65
186	16.38	4	2.45	0.85	81.93
187	15.42	4	2.10	0.89	39.59
188	16.48	4	2.98	1.53	52.58
189	15.02	4	2.98	1.53	78.43
190	15.92	4	2.05	0.40	59.75
191	14.97	4	2.05	0.40	82.84
192	13.97	4	2.05	0.40	33.44
193	14.54	4	2.92	0.94	51.83
194	13.17	4	2.92	0.94	39.06
195	16.52	4	2.92	0.94	69.39
196	13.67	4	2.92	0.94	86.64
197	14.51	4	2.92	0.94	83.75

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.12	4	2.31	0.96	66.19
199	12.98	4	2.31	0.96	62.40
200	10.77	4	2.16	0.98	83.73
201	13.00	4	2.16	0.98	51.42
202	16.69	4	2.16	0.98	60.75
203	14.64	4	2.16	0.98	63.12

Mean Dpar	= 2.29	Std. Dev. (um)	= 1.28
Mean Dper	= 0.72	Skewness	= -0.46
Mean length (um)	= 14.31+/- 0.0	Kurtosis	= 0.29

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	11.10	4	1.79	0.31	48.92
2	11.41	4	1.79	0.31	89.36
3	13.84	4	1.79	0.31	57.05
4	12.99	4	1.79	0.31	31.32
5	14.23	4	1.93	0.28	81.42
6	11.64	4	1.93	0.28	21.09
7	11.45	4	1.93	0.28	37.01
8	14.21	4	2.43	0.54	61.03
9	12.27	4	2.43	0.54	61.49
10	12.67	4	2.43	0.54	70.87
11	12.17	4	2.43	0.54	48.38
12	8.78	4	2.46	0.67	71.59
13	13.48	4	2.46	0.67	17.87
14	14.12	4	2.46	0.67	29.60
15	12.35	4	2.46	0.67	66.87
16	13.52	4	2.27	0.37	45.85
17	15.07	4	2.27	0.37	58.00
18	14.25	4	2.27	0.37	26.55
19	13.40	4	2.27	0.37	52.72
20	14.97	4	2.27	0.37	63.51
21	10.73	4	1.58	0.21	78.84
22	15.33	4	1.58	0.21	60.20
23	14.63	4	2.04	0.52	66.60
24	12.43	4	2.04	0.52	52.29
25	14.65	4	1.81	0.21	88.67
26	15.99	4	1.81	0.21	84.16
27	11.88	4	1.81	0.21	42.05
28	16.52	4	1.81	0.21	69.42
29	13.84	4	1.81	0.21	21.77
30	16.28	4	1.81	0.21	44.12
31	14.92	4	2.14	0.78	32.54
32	13.38	4	2.14	0.78	59.67
33	15.74	4	1.67	0.40	51.21
34	14.14	4	1.67	0.40	81.53
35	14.49	4	1.67	0.40	50.31
36	14.34	1	2.53	0.84	69.13
37	15.25	4	1.80	0.43	70.00

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.52	4	1.92	0.39	65.88
39	13.48	4	1.92	0.39	74.09
40	14.66	4	1.92	0.39	52.69
41	14.38	4	1.92	0.39	82.73
42	14.23	4	1.96	0.73	42.28
43	13.77	4	1.96	0.73	32.27
44	15.30	4	1.96	0.73	28.77
45	13.86	4	1.96	0.73	59.69
46	14.42	4	1.96	0.73	88.83
47	14.50	4	1.96	0.73	15.60
48	12.84	4	1.96	0.73	24.95
49	13.84	4	1.96	0.73	53.77
50	16.13	4	1.96	0.73	33.10
51	15.67	4	1.83	0.16	88.87
52	14.73	4	1.83	0.16	22.73
53	14.70	4	1.83	0.16	53.71
54	14.79	4	1.83	0.16	78.87
55	13.23	4	1.83	0.16	24.44
56	15.48	4	1.83	0.16	89.60
57	11.08	4	1.83	0.16	65.43
58	12.95	4	1.83	0.16	25.63
59	14.84	4	1.83	0.16	80.05
60	15.44	4	1.83	0.37	42.96
61	14.19	4	1.83	0.37	47.31
62	11.56	4	1.83	0.37	41.89
63	14.24	2	1.55	0.40	60.56
64	14.50	2	1.55	0.40	82.75
65	15.82	4	2.20	0.35	43.47
66	16.30	4	2.20	0.35	63.92
67	14.28	4	2.20	0.35	53.45
68	15.34	4	2.20	0.35	75.90
69	14.56	4	2.20	0.35	23.20
70	14.20	4	2.20	0.35	51.46
71	15.24	4	2.20	0.35	47.96
72	15.01	4	2.20	0.35	40.68
73	13.91	4	2.20	0.35	6.75
74	14.39	4	2.20	0.35	68.62
75	15.18	4	2.20	0.35	59.47
76	13.31	4	2.20	0.35	63.07
77	12.26	4	2.20	0.35	62.28

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.96	4	2.20	0.35	64.59
79	14.74	4	2.20	0.35	77.93
80	13.19	4	2.20	0.35	42.51
81	13.83	4	2.20	0.35	68.68
82	14.76	4	2.20	0.35	55.55
83	15.40	4	2.20	0.35	50.35
84	14.95	4	2.20	0.35	78.02
85	13.80	4	2.20	0.35	70.29
86	14.63	4	2.20	0.35	73.58
87	14.08	4	1.59	0.43	59.96
88	14.72	4	1.59	0.43	70.97
89	13.07	4	1.59	0.43	9.41
90	13.83	4	1.59	0.43	72.44
91	14.38	4	1.59	0.43	68.97
92	13.68	4	1.67	0.71	84.02
93	14.72	4	1.67	0.71	73.31
94	14.89	4	1.67	0.71	42.24
95	13.22	4	1.83	0.29	71.69
96	14.56	4	1.83	0.29	81.96
97	13.81	4	1.83	0.29	42.39
98	12.61	4	2.03	0.65	48.25
99	14.92	4	2.03	0.65	8.69
100	14.39	4	2.20	0.42	39.72
101	14.79	4	2.25	0.53	15.60
102	13.98	4	2.25	0.53	69.58
103	15.93	4	1.86	0.26	52.43
104	16.03	4	1.86	0.26	59.33
105	17.33	4	1.86	0.26	87.74
106	15.42	4	1.81	0.44	37.46
107	15.32	4	1.81	0.44	19.32
108	15.40	4	1.81	0.44	17.36
109	14.42	4	1.81	0.44	48.64
110	15.64	1	2.17	1.03	66.84
111	13.63	4	1.86	0.86	71.93
112	12.98	4	1.86	0.86	70.52
113	12.78	4	1.76	0.51	23.08
114	15.28	4	1.76	0.51	49.00
115	13.72	4	1.76	0.51	69.98
116	14.12	4	1.76	0.51	44.13
117	16.45	4	1.76	0.51	65.34

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.33	4	1.76	0.51	51.39
119	13.72	4	1.58	0.53	30.42
120	14.37	4	1.90	0.52	56.53
121	14.21	4	1.90	0.52	83.71
122	14.86	4	1.90	0.52	16.86
123	13.43	4	1.90	0.52	39.69
124	12.50	4	1.90	0.52	89.28
125	14.65	4	1.90	0.52	54.73
126	14.94	4	1.90	0.52	20.88
127	15.13	4	1.90	0.52	78.49
128	14.47	4	1.90	0.52	65.27
129	13.95	4	1.90	0.52	88.04
130	13.57	4	1.90	0.52	14.20
131	13.82	4	1.90	0.52	86.51
132	15.34	4	1.90	0.52	32.19
133	14.92	4	2.32	0.87	49.56
134	13.92	4	2.32	0.87	48.38
135	12.60	4	2.08	0.40	23.00
136	12.45	4	2.08	0.40	58.78
137	14.02	4	2.08	0.40	81.74
138	13.77	4	2.07	0.65	55.49
139	14.18	4	2.07	0.65	69.60
140	14.30	4	2.07	0.65	59.24
141	15.44	4	2.07	0.65	82.94
142	14.46	4	2.07	0.65	87.12
143	14.51	4	2.07	0.65	28.75
144	14.04	4	2.07	0.65	60.88
145	10.47	4	2.07	0.65	76.66
146	14.79	4	1.87	0.34	60.32
147	15.60	4	1.87	0.34	64.72
148	15.16	4	1.87	0.34	85.79
149	14.34	4	1.87	0.34	70.96
150	14.21	4	1.87	0.34	80.63
151	13.21	4	1.87	0.34	55.86
152	11.87	4	2.21	0.80	63.73
153	14.78	4	2.21	0.80	69.31
154	15.30	4	2.21	0.80	39.60
155	16.08	4	2.21	0.80	34.23
156	14.40	4	2.21	0.80	79.88
157	13.40	4	2.03	0.38	68.55

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	12.53	4	2.03	0.38	50.31
159	15.19	4	2.03	0.38	13.30
160	13.31	4	2.03	0.38	29.20
161	12.91	4	2.03	0.38	84.98
162	13.10	4	2.03	0.38	35.46
163	14.27	1	2.13	0.37	35.97
164	13.01	4	1.94	0.37	71.54
165	16.50	4	1.94	0.37	25.00
166	15.07	4	2.24	0.92	52.47
167	13.88	4	2.24	0.92	52.98
168	12.21	4	2.24	0.92	62.75
169	11.84	4	2.24	0.92	67.07
170	14.23	4	2.24	0.92	67.67
171	14.69	4	1.78	0.42	83.97
172	10.70	4	1.78	0.42	52.24
173	13.25	4	1.78	0.42	57.22
174	13.90	2	1.80	0.42	85.34
175	11.89	2	1.80	0.42	61.08
176	14.99	4	2.13	0.63	76.48
177	14.94	4	2.13	0.63	69.01
178	14.17	4	2.13	0.63	69.27
179	14.37	4	2.13	0.63	62.14
180	13.83	4	2.24	0.58	70.60
181	11.27	4	2.24	0.58	60.62
182	13.62	4	2.24	0.58	85.44
183	13.84	4	2.24	0.58	22.89
184	14.76	4	2.04	0.56	60.51
185	14.09	4	2.04	0.56	74.64
186	11.28	4	2.04	0.56	88.47
187	10.37	4	2.04	0.56	84.88
188	13.73	4	2.04	0.56	84.93
189	14.80	4	2.04	0.56	87.72
190	9.01	4	2.04	0.56	64.35
191	15.99	4	2.07	0.51	81.71
192	12.69	4	2.07	0.51	15.72
193	13.74	4	2.07	0.51	51.07
194	14.05	4	2.07	0.51	50.29
195	13.97	4	2.07	0.51	83.17
196	16.05	4	2.07	0.51	71.45
197	13.61	4	2.07	0.51	62.13

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	11.11	4	2.07	0.51	87.55
199	10.35	4	2.07	0.51	81.23
200	15.63	4	2.12	0.77	83.35
201	14.47	4	2.12	0.77	86.48
202	15.95	4	2.12	0.77	77.32
203	14.38	4	2.12	0.77	26.08

Mean Dpar	= 2.00	Std. Dev. (um)	= 1.40
Mean Dper	= 0.49	Skewness	= -0.91
Mean length (um)	= 14.01+/- 0.10	Kurtosis	= 1.26

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.00	4	2.41	0.72	37.92
2	15.33	4	2.87	0.75	76.93
3	13.64	4	2.01	0.52	56.13
4	12.03	4	2.01	0.52	46.10
5	14.22	4	2.01	0.52	22.93
6	15.14	4	2.28	0.78	67.11
7	13.94	4	1.99	0.25	27.48
8	14.97	4	1.99	0.25	28.64
9	14.70	4	1.99	0.25	56.49
10	12.83	4	1.60	0.28	79.47
11	14.46	4	2.11	0.52	72.24
12	5.76	4	2.04	0.43	82.05
13	15.22	4	3.37	1.36	19.01
14	14.11	4	3.37	1.36	25.01
15	14.15	4	2.33	1.05	83.37
16	14.55	1	1.90	0.75	40.67
17	14.74	1	1.90	0.75	72.98
18	12.52	4	2.54	0.57	51.59
19	14.56	4	2.54	0.57	31.51
20	15.17	4	2.66	0.77	44.80
21	12.30	4	2.53	0.85	56.99
22	12.76	4	2.53	0.85	48.93
23	15.08	4	2.33	1.05	70.42
24	16.93	4	2.13	0.56	32.71
25	15.14	4	2.13	0.56	51.08
26	6.17	4	2.13	0.56	87.88
27	16.42	4	2.27	0.72	70.25
28	15.21	4	2.27	0.72	28.35
29	13.18	4	2.23	0.65	73.22
30	15.35	4	2.53	0.62	65.65
31	13.82	4	2.61	0.86	52.75
32	14.24	4	2.61	0.86	34.17
33	14.87	4	2.34	0.87	32.73
34	13.01	4	2.34	0.87	65.17
35	13.86	4	2.34	0.87	85.47
36	15.39	4	3.26	1.24	41.49
37	16.15	4	3.26	1.24	10.49

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.18	4	3.26	1.24	52.06
39	13.38	4	2.00	0.56	48.58
40	15.38	4	2.00	0.56	37.70
41	13.89	4	2.00	0.56	60.61
42	13.45	1	1.66	0.38	84.47
43	14.97	4	1.90	0.77	41.92
44	14.05	4	1.90	0.77	65.89
45	14.90	4	1.90	0.77	32.70

Mean Dpar	= 2.32	Std. Dev. (um)	= 2.04
Mean Dper	= 0.72	Skewness	= -2.58
Mean length (um)	= 14.00+/- 0.31	Kurtosis	= 7.93

02-EP-30a
497-23

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.18	4	3.10	0.65	61.35
2	14.29	4	3.10	0.65	81.95
3	17.49	4	1.80	0.44	18.67
4	13.75	4	1.80	0.44	88.09
5	14.18	2	1.81	0.15	24.32
6	14.79	4	2.31	0.87	37.61
7	14.63	4	2.31	0.87	75.28
8	14.54	4	2.31	0.87	25.55
9	15.11	4	2.31	0.87	34.54
10	14.55	3	2.19	0.66	62.74
11	13.93	3	2.19	0.66	54.81
12	8.47	3	2.19	0.66	64.84
13	13.50	4	1.54	0.37	37.71

Mean Dpar	= 2.23	Std. Dev. (um)	= 1.97
Mean Dper	= 0.63	Skewness	= -1.29
Mean length (um)	= 14.03+/- 0.57	Kurtosis	= 2.60

02-OE-01a
497-24

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.72	4	31.42	1.17	43.59
2	13.91	4	31.42	1.17	51.68
3	13.86	4	2.53	0.86	84.57
4	13.66	4	2.53	0.86	54.38
5	14.23	4	2.30	0.31	72.63
6	15.23	4	2.28	0.95	41.17
7	14.99	4	2.28	0.95	53.32
8	14.56	4	2.21	0.56	65.55
9	15.20	4	2.21	0.56	42.00
10	17.32	4	2.88	1.23	78.11
11	9.99	4	1.73	0.28	88.13
12	13.09	4	1.73	0.28	30.95
13	15.07	4	1.73	0.28	21.59
14	14.34	4	3.00	0.72	53.67
15	15.60	1	3.44	0.58	68.72
16	15.59	4	2.64	0.89	77.77
17	15.82	4	2.64	0.89	70.60
18	14.89	4	2.41	0.84	55.17
19	15.39	4	2.97	0.98	70.18
20	15.40	4	2.97	0.98	50.27
21	13.85	4	2.97	0.98	48.48
22	5.16	4	2.97	0.98	74.23
23	15.37	4	2.97	0.98	69.68
24	15.45	4	2.97	0.98	2.48
25	12.58	4	2.97	0.98	37.23
26	15.86	4	2.97	0.98	71.23
27	8.42	4	2.97	0.98	70.99
28	15.47	4	2.97	0.98	25.95
29	15.19	4	2.97	0.98	62.74
30	14.21	4	2.01	0.20	67.04
31	13.25	4	3.05	0.89	74.25
32	14.37	4	3.05	0.89	77.58
33	14.48	4	3.05	0.89	35.90
34	13.90	4	2.27	0.54	57.25
35	12.55	4	3.01	1.01	88.69
36	14.08	4	3.01	1.01	13.63
37	8.15	4	3.01	1.01	86.63

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.31	4	3.01	1.01	68.39
39	15.36	4	3.01	1.01	42.47
40	12.27	4	3.01	1.01	72.17
41	15.60	4	2.30	0.47	31.77
42	16.21	4	2.30	0.47	40.74
43	16.10	4	2.20	0.89	57.73
44	14.08	4	2.20	0.89	54.67
45	12.26	4	2.64	0.40	75.15
46	14.18	4	2.37	0.87	57.28
47	16.47	4	2.21	0.81	88.87
48	14.72	4	1.86	0.61	66.65
49	13.76	4	2.44	0.75	46.21
50	12.77	4	2.44	0.75	52.93
51	13.49	4	2.36	0.82	45.00
52	14.58	2	1.68	0.51	15.15
53	13.38	2	1.68	0.51	57.60
54	16.96	4	2.25	0.56	17.36
55	13.87	4	2.25	0.56	81.82
56	14.68	4	2.51	0.59	26.76
57	14.94	4	2.51	0.59	52.61
58	14.21	4	2.51	0.59	59.81
59	14.92	4	2.51	0.59	32.00
60	15.62	4	2.26	0.48	52.00
61	14.14	4	2.26	0.48	85.75
62	15.97	4	2.26	0.48	60.87
63	14.63	4	2.26	0.48	67.71
64	13.70	4	2.26	0.48	85.13
65	14.72	4	2.26	0.48	31.27
66	15.65	4	2.26	0.48	33.43
67	13.85	4	2.31	0.49	22.94
68	12.87	4	1.96	0.35	67.37
69	13.29	4	1.96	0.35	45.25
70	14.87	4	2.65	0.95	86.05
71	14.82	4	2.65	0.95	71.99
72	14.47	4	2.79	0.82	84.65
73	12.36	4	3.43	0.75	62.12
74	15.40	4	3.43	0.75	48.65
75	13.02	1	2.19	0.98	62.64
76	12.37	4	2.32	0.62	35.18
77	13.67	4	2.26	0.59	52.12

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	10.99	4	2.26	0.59	69.02
79	13.64	4	2.26	0.59	55.37
80	14.74	4	2.26	0.59	51.00
81	14.46	4	2.52	0.84	55.14
82	15.16	4	2.25	0.81	86.37
83	15.53	4	2.57	0.70	62.68
84	15.43	4	2.57	0.70	32.76
85	13.23	4	2.21	0.98	44.78
86	14.57	4	2.33	0.72	81.73
87	15.27	4	2.33	0.72	19.79
88	12.97	4	2.33	0.72	87.90
89	15.03	4	2.33	0.72	65.77
90	15.20	4	2.33	0.72	41.24
91	16.73	2	2.85	0.61	59.78
92	14.13	2	2.85	0.61	61.05
93	15.68	4	3.13	0.70	70.63
94	16.54	4	3.13	0.70	88.91
95	15.84	4	3.13	0.70	17.88
96	13.70	4	2.36	0.59	60.76
97	11.78	4	2.36	0.59	69.98
98	12.68	4	2.79	0.58	76.15
99	13.16	2	1.86	0.59	58.18
100	10.07	4	2.97	0.31	73.49
101	15.46	4	2.97	0.31	84.33
102	11.35	4	2.97	0.31	89.35
103	13.53	4	2.07	0.75	30.20
104	16.21	4	2.20	0.81	30.11
105	13.95	4	1.94	0.19	52.79
106	11.79	4	1.74	0.45	65.76
107	14.01	4	1.74	0.45	23.05
108	14.41	4	1.74	0.45	27.54
109	13.48	4	2.43	0.98	40.86
110	13.63	2	1.58	0.34	45.79
111	16.22	4	2.32	0.39	62.35
112	13.97	4	2.32	0.39	38.16
113	9.99	4	2.27	0.56	58.88
114	12.96	4	2.27	0.56	80.46
115	14.95	4	2.27	0.56	9.98
116	12.33	4	2.27	0.56	72.25
117	11.46	4	2.27	0.56	79.65

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.22	4	2.38	0.89	58.09
119	17.09	4	2.38	0.89	41.99
120	16.93	4	2.38	0.89	52.62
121	16.41	4	2.38	0.89	69.69
122	14.61	4	2.38	0.89	31.90
123	16.76	4	2.38	0.89	28.26
124	15.24	4	1.91	0.52	38.55
125	16.77	4	2.33	0.78	44.25
126	14.37	4	2.33	0.78	71.20
127	13.83	4	2.04	0.40	25.26
128	14.20	4	2.72	0.47	28.27
129	14.26	4	2.41	0.48	33.06
130	15.47	4	2.03	0.51	31.92
131	17.54	4	2.90	1.04	60.78
132	15.10	4	2.90	1.04	29.38
133	14.78	4	2.90	1.04	68.85
134	14.89	3	2.10	0.57	66.31
135	12.91	1	1.97	0.18	66.24
136	14.02	4	2.41	0.95	82.86
137	13.31	4	2.41	0.95	34.04
138	15.07	4	2.93	1.06	37.19
139	13.80	4	2.93	1.06	70.88
140	15.46	4	2.93	1.06	43.65
141	15.48	4	2.20	0.82	86.29
142	15.37	4	2.20	0.82	36.19
143	15.36	4	2.88	1.03	19.08
144	15.52	4	2.88	1.03	85.14
145	15.22	4	2.88	1.03	73.33
146	14.41	4	2.88	1.03	54.29
147	14.60	4	2.39	0.33	43.65
148	13.14	4	2.39	0.33	64.03
149	14.92	4	2.39	0.33	67.77
150	14.47	4	2.01	0.28	42.60
151	13.85	4	2.01	0.28	36.94
152	13.87	2	2.85	0.67	38.41
153	15.46	2	2.85	0.67	30.20
154	15.70	4	2.01	0.62	47.93
155	15.58	4	2.01	0.62	88.88
156	15.43	4	2.01	0.62	44.64
157	14.23	4	2.91	1.03	19.12

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	15.31	4	2.91	1.03	59.47
159	14.80	4	3.24	1.34	73.10
160	12.74	4	3.24	1.34	52.54
161	14.42	4	2.96	1.22	75.11
162	13.26	4	2.96	1.22	61.11
163	15.26	4	2.81	0.57	13.81
164	13.78	4	2.81	0.57	62.87
165	12.39	4	2.56	0.77	70.76
166	15.56	4	2.56	0.77	40.95
167	12.26	2	2.48	0.73	67.67
168	15.41	4	2.74	1.09	69.38
169	15.41	4	2.74	1.09	21.26
170	13.30	4	2.74	1.09	80.10
171	15.65	4	2.71	0.51	80.86
172	13.40	4	2.71	0.51	84.55
173	13.45	2	1.61	0.43	66.09
174	14.00	4	2.31	0.24	87.89
175	14.11	4	2.48	0.99	77.10
176	16.51	4	2.48	0.99	45.59
177	15.27	4	1.92	0.66	79.83
178	13.08	4	1.92	0.66	54.41
179	14.49	4	1.92	0.66	51.46
180	11.55	4	2.27	0.78	60.68
181	13.52	4	2.27	0.78	53.18
182	10.75	4	2.27	0.78	58.27
183	11.97	4	2.27	0.78	80.96
184	11.87	4	2.27	0.78	47.44
185	12.99	4	1.79	0.34	79.68
186	14.89	4	1.79	0.34	86.49
187	13.98	2	1.55	0.52	51.87
188	13.98	2	1.55	0.52	84.29
189	14.87	4	2.68	1.05	66.99
190	15.29	4	2.12	0.39	76.89
191	14.99	4	1.55	0.35	54.54
192	14.11	4	2.18	0.39	70.58
193	13.85	4	1.80	0.59	70.73
194	14.27	4	1.80	0.59	46.17
195	13.99	4	1.80	0.59	51.80
196	10.32	4	1.80	0.59	89.09
197	15.61	3	2.25	0.47	74.08

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.52	3	2.25	0.47	78.65
199	12.71	3	2.25	0.47	67.76
200	13.75	3	2.25	0.47	80.59
201	13.86	3	2.25	0.47	75.59

Mean Dpar	= 2.73	Std. Dev. (um)	= 1.65
Mean Dper	= 0.70	Skewness	= -1.52
Mean length (um)	= 14.22+/- 0.12	Kurtosis	= 5.01

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	11.65	4	2.27	0.63	48.83
2	14.97	4	2.27	0.66	82.08
3	16.21	4	2.87	0.75	13.95
4	12.86	4	2.47	0.49	45.97
5	14.21	4	2.47	0.49	86.23
6	16.71	4	2.47	0.49	13.56
7	12.58	4	2.47	0.49	50.03
8	13.88	4	1.94	0.35	28.63
9	15.25	4	1.94	0.35	54.48
10	12.06	4	3.03	0.48	70.34
11	17.14	4	3.03	0.48	45.95
12	13.85	4	3.03	0.48	48.86
13	14.66	4	2.41	0.81	85.83
14	15.13	4	1.84	0.28	74.47
15	12.78	4	1.84	0.28	47.55
16	13.55	4	1.84	0.28	64.35
17	11.94	4	1.84	0.28	49.68
18	13.39	3	1.91	0.25	66.68
19	12.46	1	1.94	0.20	48.67
20	13.46	4	3.14	1.00	49.01
21	14.74	4	3.14	1.00	38.08
22	14.75	4	2.56	0.72	89.22
23	16.20	4	2.38	1.06	81.26
24	15.02	4	2.25	0.45	47.97
25	14.10	4	2.25	0.45	44.47
26	13.56	4	1.93	0.76	65.27
27	6.00	4	2.72	0.42	84.41
28	15.07	4	2.74	0.47	44.89
29	12.20	4	2.74	0.47	55.66
30	14.42	4	2.39	0.65	76.92
31	16.41	4	3.14	0.73	68.71
32	14.45	4	3.14	0.73	25.35
33	13.64	4	3.14	0.73	80.24
34	14.46	4	3.14	0.73	67.10
35	13.45	4	3.14	0.73	81.48
36	12.94	4	3.14	0.73	83.04
37	12.86	4	1.93	0.38	47.93

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.85	4	1.79	0.35	17.36
39	15.30	4	1.79	0.35	82.84
40	7.09	4	2.41	0.59	70.78
41	15.24	4	2.41	0.59	40.62
42	14.51	4	2.81	1.08	86.32
43	13.82	4	2.81	1.08	14.17
44	14.56	4	2.33	0.89	36.01
45	15.70	4	2.33	0.89	26.64
46	14.66	4	2.33	0.89	83.79
47	14.32	4	2.23	0.57	56.61
48	15.12	2	2.83	0.47	54.04
49	13.80	2	2.83	0.47	61.49
50	14.30	2	2.83	0.47	31.61
51	13.54	4	1.88	0.61	0.92
52	15.09	2	1.40	0.29	55.65
53	16.62	4	2.46	1.14	57.15
54	16.17	4	2.46	1.14	44.75
55	15.83	4	2.46	1.14	12.16
56	14.18	4	2.46	1.14	29.12
57	14.25	4	2.46	1.14	54.99
58	15.90	4	2.46	1.14	36.87
59	16.55	4	2.46	1.14	32.96
60	15.42	4	1.86	0.28	47.90
61	13.68	4	1.86	0.28	31.77
62	14.92	4	1.86	0.28	73.27
63	13.56	4	1.86	0.28	58.93
64	13.86	4	2.48	0.72	49.65
65	14.83	4	2.48	0.72	58.11
66	13.72	4	2.21	0.57	51.99
67	14.31	4	2.21	0.57	69.41
68	12.95	4	2.21	0.57	62.86
69	14.68	4	2.21	0.57	58.04
70	15.01	4	2.24	0.65	30.50
71	14.87	4	2.39	0.56	46.58
72	11.83	4	2.03	0.30	46.52
73	14.32	4	2.03	0.30	40.52
74	16.27	2	1.58	0.57	46.75
75	13.84	4	3.21	1.01	79.11
76	11.59	4	2.28	0.63	48.83
77	14.16	4	2.34	0.66	82.08

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.23	4	2.78	0.75	13.95
79	12.98	4	2.26	0.49	45.97
80	14.21	4	2.26	0.49	86.23
81	14.31	4	2.26	0.49	13.56
82	12.67	4	2.26	0.49	50.03
83	13.59	4	2.00	0.35	28.63
84	15.25	4	2.00	0.35	54.48
85	12.25	4	1.81	0.48	70.34
86	13.14	4	1.81	0.48	45.95
87	13.95	4	1.81	0.48	48.86
88	14.42	4	2.45	0.81	85.83
89	15.02	4	2.11	0.28	74.47
90	12.78	4	2.11	0.28	47.55
91	12.85	4	2.11	0.28	64.35
92	12.64	4	2.11	0.28	49.68
93	12.31	3	1.94	0.25	66.68
94	12.53	1	2.00	0.20	48.67
95	13.78	4	2.92	1.00	49.01
96	14.71	4	2.65	0.72	89.22
97	13.20	4	2.28	1.06	81.26
98	14.12	4	2.36	0.45	47.97
99	14.17	4	2.36	0.45	44.47
100	13.46	4	2.10	0.76	65.27
101	7.67	4	2.64	0.42	84.41
102	14.07	4	2.80	0.47	44.89
103	12.28	4	2.80	0.47	55.66
104	13.62	4	2.34	0.65	76.92
105	14.81	4	2.83	0.73	68.71
106	14.25	4	2.83	0.73	25.35
107	13.78	4	2.83	0.73	80.24
108	13.96	4	2.83	0.73	67.10

Mean Dpar	= 2.38	Std. Dev. (um)	= 1.69
Mean Dper	= 0.60	Skewness	= -1.83
Mean length (um)	= 13.94+/- 0.16	Kurtosis	= 6.53

02-OE-03a
497-26

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.74	4	2.53	0.89	37.60
2	14.48	4	2.53	0.89	42.16
3	14.80	4	2.53	0.89	25.64
4	14.53	4	2.53	0.89	24.56
5	14.72	4	2.53	0.89	59.12
6	13.92	4	2.53	0.89	49.85
7	14.90	4	2.87	0.95	81.22
8	16.10	4	2.87	0.95	73.24
9	17.04	4	2.87	0.95	76.68
10	13.09	4	2.13	0.35	53.19
11	13.24	4	2.13	0.35	84.42
12	14.08	4	2.27	0.45	35.89
13	14.77	4	2.27	0.45	47.83
14	12.70	4	2.13	0.45	64.62
15	14.27	4	2.44	1.00	89.19
16	13.47	4	2.44	1.00	29.70
17	12.96	4	2.44	1.00	80.23
18	16.24	4	2.44	1.00	55.52
19	12.39	4	2.44	1.00	65.37
20	14.54	4	2.44	1.00	49.49
21	13.05	4	2.44	1.00	60.39
22	14.33	4	2.44	1.00	36.43
23	12.78	3	2.86	0.58	61.30
24	14.22	3	2.86	0.58	44.46
25	7.22	3	2.86	0.58	78.31
26	14.45	4	2.08	0.35	87.46
27	14.74	4	2.14	0.63	18.17
28	13.46	4	2.03	0.33	60.48
29	14.52	4	2.03	0.33	31.90
30	14.13	4	1.91	0.39	26.41
31	15.96	4	1.91	0.39	85.83
32	14.30	4	1.91	0.39	34.45
33	14.14	2	2.41	0.26	17.25
34	13.87	4	2.54	1.29	18.87
35	13.71	4	2.54	1.29	80.27
36	12.06	4	2.54	1.29	75.30
37	13.29	4	2.54	1.29	40.25

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.52	4	2.54	1.29	82.38
39	13.44	4	2.54	1.29	21.26
40	15.37	4	3.31	0.87	23.31
41	13.72	4	3.31	0.87	65.67
42	14.78	4	2.60	0.98	48.20
43	14.27	4	2.60	0.98	68.16
44	14.36	4	2.60	0.98	63.93
45	12.84	4	2.31	0.76	55.42
46	13.94	1	2.07	0.20	64.99
47	14.83	4	2.53	0.42	46.76
48	13.78	4	2.53	0.42	87.98
49	13.84	4	2.53	0.42	60.20
50	14.95	4	2.08	0.28	41.13
51	12.79	4	2.08	0.28	62.16
52	13.42	4	2.08	0.28	62.32
53	12.70	4	2.94	0.89	79.93
54	12.97	4	2.11	0.33	32.40
55	12.62	4	2.16	0.90	74.69
56	15.68	4	2.16	0.90	26.72
57	14.38	4	2.16	0.90	47.62
58	13.62	4	2.44	0.49	51.76
59	15.20	4	2.53	0.84	56.50
60	14.18	4	2.53	0.84	68.21
61	15.06	4	3.01	1.12	35.76
62	16.47	4	1.99	0.35	39.90
63	13.63	4	1.99	0.35	45.49
64	14.19	4	1.99	0.35	89.29
65	16.64	4	1.99	0.35	78.99
66	15.41	4	2.07	0.26	58.20
67	14.14	4	2.07	0.26	73.11
68	14.92	4	1.93	0.29	34.17
69	14.35	4	1.93	0.29	71.74
70	7.98	4	3.53	1.09	60.42
71	13.76	2	2.67	0.77	49.80
72	15.11	2	2.67	0.77	52.61
73	13.74	2	2.67	0.77	63.60
74	13.35	4	2.33	0.73	60.73
75	13.26	4	2.33	0.73	85.21
76	14.54	4	2.05	0.35	87.79
77	12.88	4	2.57	0.81	88.20

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	12.22	4	2.57	0.81	74.28
79	15.35	4	2.57	0.81	16.98
80	14.60	4	2.57	0.81	36.76
81	14.74	4	1.99	0.30	67.28
82	13.74	4	3.31	1.01	70.32
83	15.58	4	3.31	1.01	79.06
84	14.07	4	2.39	0.75	83.21
85	11.39	4	2.39	0.75	43.02
86	13.27	4	2.39	0.75	87.70
87	16.16	4	2.98	0.54	46.70
88	14.22	4	1.92	0.40	49.85
89	14.79	4	1.92	0.40	37.07
90	14.80	4	2.19	1.38	11.05
91	13.95	4	2.19	1.38	22.90
92	11.77	4	2.19	1.38	53.88
93	15.52	4	2.16	0.29	60.06
94	15.96	4	2.16	0.29	71.93
95	15.15	4	2.45	0.87	44.20
96	13.11	4	1.88	0.37	64.40
97	15.63	4	1.88	0.37	76.60
98	14.63	4	1.88	0.37	76.24
99	13.01	4	1.88	0.37	88.59
100	14.00	4	1.88	0.37	83.86
101	13.68	4	1.88	0.37	81.38
102	15.32	4	1.88	0.37	48.24
103	13.21	4	1.98	0.30	77.38
104	16.12	4	1.98	0.30	38.88
105	15.33	4	1.91	0.48	34.06
106	13.24	4	1.91	0.48	75.95
107	14.32	4	1.91	0.48	89.14
108	15.63	4	1.91	0.48	54.55
109	13.69	4	1.91	0.48	61.32
110	13.73	4	1.91	0.48	75.64
111	13.26	4	1.91	0.48	66.90
112	13.82	4	2.17	0.51	48.16
113	13.80	4	2.17	0.51	33.51
114	13.70	4	2.17	0.51	86.84
115	13.26	4	2.17	0.51	61.66
116	13.78	4	2.17	0.51	61.10
117	15.85	4	2.44	0.80	61.07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.50	4	2.44	0.80	41.90
119	15.36	4	2.44	0.80	70.65
120	14.09	4	2.41	0.76	28.97
121	12.97	4	2.41	0.76	60.74
122	14.47	4	2.41	0.76	38.94
123	14.06	4	2.41	0.76	29.14
124	12.27	4	2.41	0.76	44.24
125	14.48	4	2.53	0.47	71.56
126	14.20	4	1.94	0.23	46.21
127	15.83	4	2.23	0.95	64.07
128	13.81	4	2.23	0.95	40.29
129	14.61	4	2.23	0.95	83.13
130	13.88	2	1.33	0.31	34.40
131	13.63	4	2.80	0.62	37.29
132	13.53	4	1.97	0.28	88.99
133	8.93	4	1.97	0.28	89.95
134	15.16	4	2.08	0.82	46.24
135	16.10	4	2.01	0.53	53.62
136	14.95	4	2.25	0.28	32.93
137	16.07	4	2.25	0.28	29.68
138	13.86	4	2.25	0.28	56.91
139	12.62	4	2.25	0.28	54.74
140	15.20	4	2.25	0.28	33.39
141	11.82	4	1.67	0.57	60.28
142	12.60	4	1.67	0.57	51.10
143	14.19	4	1.67	0.57	5.31
144	14.31	4	2.36	0.39	53.43
145	12.17	4	2.36	0.39	36.29
146	14.04	4	2.36	0.39	62.83
147	12.02	4	2.18	0.49	45.17
148	15.62	4	2.18	0.49	84.52
149	15.90	4	2.18	0.49	62.87
150	15.76	4	2.18	0.49	73.74
151	15.96	4	2.18	0.49	24.79
152	14.58	4	2.18	0.49	60.97
153	13.67	4	2.18	0.49	21.02
154	13.63	4	1.97	0.28	27.34
155	13.40	4	1.97	0.28	48.66
156	15.47	4	1.97	0.28	20.29
157	13.31	4	1.97	0.28	61.65

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.41	4	1.97	0.28	33.69
159	15.06	4	1.97	0.28	68.10
160	14.28	4	1.97	0.28	69.48
161	13.43	4	1.97	0.28	60.29
162	15.30	4	1.97	0.28	28.49
163	15.38	4	2.94	1.19	76.39
164	15.27	4	2.94	1.19	52.72
165	14.80	4	2.94	1.19	34.13
166	13.89	4	2.94	1.19	63.74
167	13.49	4	1.80	0.42	40.79
168	13.72	4	1.80	0.42	84.23
169	14.82	4	1.80	0.42	55.72
170	13.31	4	1.80	0.42	56.17
171	13.39	4	1.80	0.42	41.20
172	12.44	4	1.80	0.42	56.79
173	15.40	4	1.60	0.52	80.10

Mean Dpar	= 2.28	Std. Dev. (um)	= 1.35
Mean Dper	= 0.62	Skewness	= -1.43
Mean length (um)	= 14.08+/- 0.10	Kurtosis	= 5.66

02-OE-04
497-27

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.41	2	2.48	0.68	79.97
2	15.56	4	2.10	0.45	52.87
3	10.25	4	2.10	0.45	54.66
4	14.50	4	1.60	0.29	79.88
5	11.81	4	1.88	0.47	46.04
6	14.88	4	2.07	0.42	32.59
7	12.00	4	2.07	0.42	26.80
8	14.30	4	3.00	0.94	76.43
9	11.42	4	3.00	0.94	71.76
10	13.10	4	3.00	0.94	80.44
11	10.96	4	3.00	0.94	54.34
12	14.30	4	1.77	0.52	54.62
13	14.68	4	1.77	0.52	64.60
14	15.64	4	1.77	0.52	68.15
15	13.12	4	1.77	0.52	80.36
16	14.67	4	1.77	0.52	42.44
17	9.73	4	1.77	0.52	73.22
18	14.52	4	1.77	0.52	51.89
19	14.28	4	1.77	0.52	60.40
20	14.10	4	1.86	0.26	76.14
21	12.70	4	1.57	0.48	55.32
22	15.07	4	1.57	0.48	60.64
23	13.71	4	1.57	0.48	52.02
24	13.61	4	1.57	0.48	48.94
25	13.63	4	1.57	0.48	86.12
26	9.52	4	1.57	0.48	86.47
27	13.96	4	1.57	0.48	67.75
28	12.97	4	1.57	0.48	46.99
29	15.00	4	1.57	0.48	58.93
30	14.94	4	1.57	0.48	59.80
31	14.54	4	1.57	0.48	11.60
Mean Dpar	= 1.92		Std. Dev. (um)	= 1.67	
Mean Dper	= 0.54		Skewness	= -0.92	
Mean length (um)	= 13.45+/- 0.30		Kurtosis	= -0.19	

02-OE-05a
497-28

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.93	2	2.18	1.03	78.00
2	12.65	4	1.90	0.49	72.11
3	13.40	4	1.90	0.49	40.35
4	12.69	4	1.90	0.49	66.81
5	13.95	4	1.90	0.49	42.25
6	13.66	4	1.90	0.49	47.81
7	12.71	4	1.90	0.49	80.61
8	13.14	2	1.73	0.62	28.80
9	13.89	2	1.73	0.62	31.21
10	13.09	2	1.73	0.62	16.33
11	15.43	2	1.73	0.62	25.72
12	14.78	2	1.73	0.62	42.47
13	14.87	2	1.73	0.62	50.90

Mean Dpar	= 1.84	Std. Dev. (um)	= 0.95
Mean Dper	= 0.59	Skewness	= 0.32
Mean length (um)	= 13.78+/- 0.28	Kurtosis	= -1.4

02-OE-07a
497-29

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	9.26	4	2.66	1.01	72.67
2	11.28	4	2.03	0.68	47.79
3	12.90	4	2.03	0.68	79.59
4	13.17	4	2.34	0.78	81.33
5	12.07	4	2.34	0.78	83.95
6	16.16	4	2.27	0.96	69.25
7	13.28	4	2.34	0.53	74.46
8	13.82	4	2.34	0.53	40.49
9	13.73	4	3.13	0.90	28.46
10	14.00	4	3.13	0.90	72.58
11	13.84	4	1.76	0.37	32.71
12	13.91	4	1.76	0.37	38.91
13	9.10	4	1.76	0.37	57.98
14	16.48	4	2.94	1.38	73.11
15	14.52	4	2.94	1.38	62.20
16	16.16	2	1.72	0.35	70.24
17	15.43	4	2.16	0.53	30.77
18	13.10	4	2.16	0.53	19.59
19	13.75	4	2.73	0.87	52.75
20	16.10	4	3.38	0.84	35.08
21	13.45	4	3.38	0.84	77.00
22	14.75	4	2.16	0.65	21.33
23	11.78	4	2.25	0.39	60.78
24	6.64	4	2.25	0.39	84.64
25	15.62	4	2.25	0.39	56.93
26	15.34	4	2.30	0.62	27.94
27	14.13	4	2.30	0.62	53.92
28	13.92	4	1.68	0.35	59.19
29	15.28	4	1.68	0.35	52.81
30	11.10	4	2.01	0.42	26.21
31	14.15	4	2.01	0.42	28.92
32	13.55	4	2.01	0.42	47.81
33	14.40	4	2.01	0.42	40.62
34	8.16	4	2.01	0.42	51.93
35	14.14	4	2.01	0.42	81.07
36	15.24	4	2.01	0.42	14.68
37	15.61	4	2.01	0.42	73.59

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.34	4	2.01	0.42	34.55
39	13.43	4	2.01	0.42	64.71
40	14.12	4	2.01	0.42	59.29
41	16.72	4	2.01	0.42	52.59
42	15.70	4	2.01	0.42	41.71
43	15.10	4	2.01	0.42	79.95
44	12.15	4	2.01	0.42	88.46
45	15.84	4	2.01	0.42	43.96
46	12.75	4	2.01	0.42	46.53
47	13.66	4	2.34	0.24	80.70
48	12.79	4	2.30	0.25	85.03
49	13.23	4	2.30	0.25	53.40
50	13.34	4	1.93	0.75	48.45
51	11.64	4	2.06	0.65	46.85
52	13.42	4	1.79	0.28	79.48
53	12.21	4	1.79	0.28	27.59
54	15.34	4	1.79	0.28	12.75
55	14.44	4	3.05	1.47	63.88
56	13.02	4	3.05	1.47	88.08
57	8.10	4	1.81	0.35	28.79
58	12.86	4	1.81	0.35	86.17
59	13.55	4	2.30	0.68	37.18
60	14.94	4	2.04	0.35	73.16
61	13.93	4	2.04	0.35	13.46
62	12.90	4	1.44	0.23	84.48
63	8.59	4	2.53	0.73	61.20
64	15.91	4	2.68	0.94	57.24
65	13.88	4	2.68	0.94	62.40
66	14.89	4	2.68	0.94	63.15
67	14.10	4	3.21	1.00	54.02
68	12.70	4	2.70	0.91	18.92
69	14.13	4	2.70	0.91	51.18
70	9.47	4	2.70	0.91	77.51
71	13.85	4	2.70	0.91	83.97
72	14.04	4	3.21	1.47	51.16
73	14.37	4	3.21	1.47	57.11
74	10.93	4	2.25	0.23	45.70
75	13.21	4	2.25	0.23	84.31
76	11.40	1	2.27	0.85	89.13
77	16.28	4	2.51	1.12	63.11

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.72	4	2.51	1.12	65.55
79	15.00	4	2.91	0.59	80.78
80	14.32	4	2.91	0.59	46.51
81	15.54	4	2.28	0.62	47.07
82	14.74	4	2.26	0.63	18.17
83	13.46	4	1.91	0.33	60.48
84	14.52	4	1.91	0.33	31.90
85	14.13	4	1.79	0.39	26.41
86	15.96	4	1.79	0.39	85.83
87	14.30	4	1.79	0.39	34.45
88	14.14	2	2.47	0.26	17.25
89	13.87	4	2.78	1.29	18.87
90	13.71	4	2.78	1.29	80.27
91	12.06	4	2.78	1.29	75.30
92	13.29	4	2.78	1.29	40.25
93	13.52	4	2.78	1.29	82.38
94	13.44	4	2.78	1.29	21.26
95	15.37	4	2.40	0.87	23.31
96	13.72	4	2.40	0.87	65.67
97	14.78	4	2.64	0.98	48.20
98	14.27	4	2.64	0.98	68.16
99	14.36	4	2.64	0.98	63.93
100	12.84	4	2.41	0.76	55.42
101	13.94	1	1.98	0.20	64.99
102	14.83	4	2.50	0.42	46.76
103	13.78	4	2.50	0.42	87.98
104	13.84	4	2.50	0.42	60.20
105	14.95	4	2.00	0.28	41.13
106	12.79	4	2.00	0.28	62.16
107	13.42	4	2.00	0.28	62.32
108	12.70	4	2.53	0.89	79.93
109	12.97	4	2.12	0.33	32.40
110	12.62	4	2.27	0.90	74.69
111	15.68	4	2.27	0.90	26.72
112	14.38	4	2.27	0.90	47.62
113	13.62	4	2.20	0.49	51.76
114	15.20	4	2.38	0.84	56.50
115	14.18	4	2.38	0.84	68.21
116	15.06	4	2.63	1.12	35.76
117	16.47	4	2.03	0.35	39.90

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.63	4	2.03	0.35	45.49
119	14.19	4	2.03	0.35	89.29
120	16.64	4	2.03	0.35	78.99
121	15.41	4	2.12	0.26	58.20
122	14.14	4	2.12	0.26	73.11
123	14.92	4	1.94	0.29	34.17
124	14.35	4	1.94	0.29	71.74
125	7.98	4	3.18	1.09	60.42
126	13.76	2	2.61	0.77	49.80
127	15.11	2	2.61	0.77	52.61
128	13.74	2	2.61	0.77	63.60
129	13.35	4	2.27	0.73	60.73
130	13.26	4	2.27	0.73	85.21
131	14.54	4	2.12	0.35	87.79
132	12.88	4	2.48	0.81	88.20
133	12.22	4	2.48	0.81	74.28
134	15.35	4	2.48	0.81	16.98
135	14.60	4	2.48	0.81	36.76
136	14.74	4	1.88	0.30	67.28
137	13.74	4	3.27	1.01	70.32
138	15.58	4	3.27	1.01	79.06
139	14.07	4	2.51	0.75	83.21
140	11.39	4	2.51	0.75	43.02
141	13.27	4	2.51	0.75	87.70
142	16.16	4	2.39	0.54	46.70

Mean Dpar	= 2.34	Std. Dev. (um)	= 1.79
Mean Dper	= 0.65	Skewness	= -1.43
Mean length (um)	= 13.75+/- 0.15	Kurtosis	= 2.92

02-OE-15
497-30

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.73	4	1.50	0.34	54.58
2	14.09	4	2.43	0.92	43.48
3	13.58	4	2.43	0.92	15.65
4	15.39	4	3.07	0.59	58.78
5	15.40	4	3.07	0.59	51.76
6	15.25	4	3.07	0.59	56.58
7	11.43	4	3.07	0.59	87.68
8	15.34	4	3.07	0.59	82.07
9	15.15	4	3.07	0.59	26.16
10	14.26	1	1.35	0.45	53.53
11	14.60	1	1.35	0.45	34.03
12	14.04	1	1.35	0.45	39.49
13	16.35	1	1.35	0.45	10.83
14	12.65	4	1.97	0.56	72.03
15	15.91	4	1.97	0.56	66.82
16	15.14	4	2.83	0.81	36.20
17	15.82	4	1.77	0.56	72.76
18	13.48	4	1.77	0.56	61.49
19	14.98	4	1.77	0.56	89.70
20	14.43	4	1.77	0.56	83.49
21	13.72	4	1.77	0.56	73.67
22	16.08	4	1.77	0.56	81.89
23	12.75	4	2.48	0.52	67.02
24	14.89	4	1.78	0.40	8.72
25	17.20	4	2.93	1.01	59.39
26	17.70	4	2.99	0.73	23.33
27	14.81	4	2.99	0.73	88.86
28	15.86	4	2.99	0.73	44.64
29	13.43	4	2.99	0.73	82.63
30	14.61	4	2.99	0.73	56.47
31	13.59	4	2.99	0.73	60.42
32	15.21	4	2.99	0.73	82.83
33	12.21	4	2.99	0.73	88.55
34	15.73	4	2.65	0.71	58.74
35	14.53	4	2.96	0.81	58.27
36	14.84	4	2.96	0.81	89.49
37	12.58	4	2.96	0.81	54.27

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.10	4	2.96	0.81	60.75
39	12.33	1	1.52	0.51	71.74
40	14.57	1	1.52	0.51	58.02
41	12.63	1	1.52	0.51	47.26
42	13.42	4	1.76	0.25	73.24
43	14.94	4	2.83	0.58	79.37
44	13.86	4	2.83	0.58	70.40
45	14.81	4	2.83	0.58	54.08
46	14.36	4	2.83	0.58	29.43
47	13.80	4	2.83	0.58	32.57
48	14.59	4	2.83	0.58	54.93
49	14.06	4	3.33	0.82	49.44
50	14.09	4	1.90	0.24	65.75
51	15.35	4	2.46	0.56	77.82
52	13.16	4	2.46	0.56	11.94
53	14.81	2	1.86	0.26	67.75
54	15.04	3	2.11	0.48	55.07
55	15.39	4	2.37	0.72	81.98
56	13.49	4	2.37	0.72	66.16
57	15.75	4	2.37	0.72	75.78
58	13.71	4	2.56	0.57	86.81
59	13.68	4	1.97	0.54	77.22
60	15.44	4	2.53	0.49	62.45
61	14.25	4	2.53	0.49	88.98
62	8.58	4	2.53	0.49	84.66
63	16.20	4	2.53	0.49	16.84
64	10.55	4	1.85	0.45	67.91
65	12.70	4	1.85	0.45	69.25
66	13.36	4	2.70	0.68	76.36
67	13.34	4	2.26	0.49	35.47
68	15.67	4	2.26	0.49	43.29
69	12.96	4	2.26	0.49	44.05
70	14.67	4	2.26	0.49	85.80
71	14.88	4	2.26	0.49	45.32
72	14.49	4	2.26	0.49	50.95
73	14.53	4	2.26	0.49	64.22
74	12.84	4	2.26	0.49	77.37
75	11.12	4	2.26	0.49	86.28
76	13.54	4	1.96	0.54	46.83
77	15.84	4	2.18	0.30	74.61

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.98	4	2.18	0.30	28.83
79	14.56	4	2.01	0.20	64.22
80	13.50	1	1.67	0.44	60.73
81	15.00	4	2.31	0.71	49.18
82	16.41	4	2.31	0.71	52.34
83	15.39	4	2.31	0.71	78.33
84	16.06	4	2.87	0.91	87.73
85	13.78	4	2.21	0.71	53.96
86	12.76	4	2.21	0.71	81.90
87	14.45	4	2.38	0.70	75.16
88	15.34	4	2.38	0.70	74.10
89	13.42	4	1.97	0.59	74.79
90	14.77	4	1.97	0.59	43.40
91	12.25	4	2.37	0.76	89.41
92	14.63	4	1.94	0.37	64.77
93	14.45	4	1.94	0.37	66.34
94	14.30	4	1.94	0.37	72.69
95	15.21	4	1.94	0.37	48.70
96	14.17	4	1.94	0.37	27.11
97	13.71	4	1.94	0.37	49.33
98	14.46	4	1.94	0.37	74.34
99	15.00	4	1.64	0.30	30.03
100	12.84	4	1.64	0.30	77.71
101	14.07	4	2.43	0.49	42.59
102	12.41	4	2.43	0.49	11.92
103	15.51	4	2.01	0.86	82.43
104	14.33	4	2.47	0.87	34.46
105	14.18	4	1.70	0.26	88.98
106	14.10	2	1.61	0.49	50.19
107	15.65	2	1.61	0.49	59.35
108	12.44	2	1.61	0.49	69.55
109	13.73	4	2.17	0.75	76.93
110	12.90	4	1.84	0.25	61.00
111	13.83	4	1.84	0.25	75.67
112	12.47	1	1.86	0.37	45.51
113	12.24	1	1.86	0.37	75.07
114	15.05	4	2.59	0.96	31.63
115	13.63	4	2.59	0.96	30.07
116	13.50	4	2.04	0.23	62.28
117	13.23	4	2.04	0.23	37.74

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.79	4	2.04	0.23	61.98
119	12.48	4	2.04	0.23	70.16
120	10.34	4	2.04	0.23	81.85
121	15.71	4	2.38	0.84	47.86
122	14.17	4	2.38	0.84	20.66
123	12.55	4	2.38	0.84	48.47
124	14.72	4	2.38	0.84	65.61
125	15.59	4	2.31	0.72	84.48
126	14.47	4	2.16	0.57	36.41
127	13.17	4	2.16	0.57	48.88
128	14.76	4	2.99	1.26	88.07
129	15.72	4	2.99	1.26	87.40
130	13.12	4	3.09	0.66	68.08
131	12.51	4	3.09	0.66	49.21
132	13.50	4	1.87	0.62	69.29
133	14.51	4	2.78	0.99	72.08
134	12.78	4	2.78	0.99	76.13
135	13.07	4	2.78	0.99	86.63
136	14.63	3	1.84	0.40	61.13
137	12.64	3	1.84	0.40	16.65
138	12.94	3	1.84	0.40	40.28
139	14.37	3	1.84	0.40	88.51
140	12.55	4	2.84	0.90	69.04
141	14.07	4	2.20	0.40	66.28
142	13.49	4	2.20	0.40	88.48
143	14.32	4	2.20	0.40	63.34
144	13.58	4	2.20	0.40	44.52
145	13.97	4	2.20	0.40	41.24
146	14.48	4	3.06	0.89	82.95
147	15.03	4	3.06	0.89	53.94
148	13.83	4	3.06	0.89	30.58
149	14.47	4	3.06	0.89	78.89
150	13.61	4	3.06	0.89	49.19
151	13.73	4	2.52	0.77	58.78
152	15.84	4	2.52	0.77	53.80
153	13.70	4	2.52	0.77	39.37
154	13.97	4	2.52	0.77	77.19
155	13.80	4	2.52	0.77	76.25
156	14.16	4	2.52	0.77	85.80
157	12.07	4	2.52	0.77	78.06

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.07	4	2.52	0.77	34.07
159	15.83	4	2.52	0.77	26.47
160	13.82	4	2.52	0.77	86.77
161	16.73	4	2.85	0.80	66.99
162	13.26	4	2.85	0.80	69.60
163	15.77	4	2.85	0.80	48.57
164	16.01	4	2.85	0.80	87.39
165	12.57	4	2.85	0.80	49.23
166	13.80	4	1.73	0.40	72.54
167	14.21	4	1.73	0.40	46.22
168	13.60	4	1.73	0.40	63.66
169	13.15	4	1.73	0.40	74.18
170	15.84	4	2.40	0.73	46.02
171	16.90	4	3.13	1.14	77.57
172	12.91	4	3.13	1.14	23.30
173	14.96	4	2.83	1.15	44.07
174	13.10	4	2.83	1.15	88.85
175	17.62	2	2.51	0.61	52.66
176	13.27	4	2.26	0.61	71.06
177	13.15	4	2.26	0.61	64.01
178	14.83	4	1.79	0.35	88.17
179	14.85	4	1.81	0.30	75.67
180	12.50	4	1.81	0.30	37.20
181	15.07	4	2.45	0.68	72.91
182	12.98	4	2.45	0.68	87.85
183	14.26	4	2.45	0.68	63.87
184	11.08	4	2.53	0.77	88.85
185	13.42	4	2.23	0.56	32.85
186	14.76	4	2.23	0.56	74.43
187	11.40	4	2.23	0.56	77.24
188	13.27	4	2.23	0.56	36.36
189	14.00	4	2.23	0.56	81.93
190	11.64	4	2.23	0.56	68.97
191	14.52	4	2.67	0.85	74.04
192	14.65	4	2.67	0.85	49.82
193	14.82	4	2.71	0.75	69.85
194	15.10	4	2.71	0.75	72.74
195	14.62	4	2.71	0.75	50.13
196	13.06	4	2.71	0.75	35.42
197	13.67	4	1.71	0.57	58.75

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	13.57	4	1.71	0.57	34.41
199	14.34	4	1.71	0.57	36.79
200	11.86	4	2.39	0.75	66.94
201	15.74	4	2.39	0.75	88.72
202	13.73	4	2.39	0.75	63.95
203	14.52	4	2.39	0.75	45.80
204	14.41	4	2.39	0.75	73.31
205	14.48	4	2.39	0.75	39.78
206	12.67	4	2.39	0.75	83.49

Mean Dpar	= 2.34	Std. Dev. (um)	= 1.32
Mean Dper	= 0.62	Skewness	= -0.39
Mean length (um)	= 14.11+/- 0.09	Kurtosis	= 1.25

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.60	4	1.90	0.35	80.66
2	13.92	4	1.90	0.35	63.52
3	15.73	4	1.90	0.35	36.59
4	13.77	4	1.90	0.35	85.83
5	15.86	4	1.90	0.35	33.59
6	13.81	4	1.90	0.35	59.51
7	14.00	4	1.90	0.35	62.73
8	13.28	4	1.92	0.37	82.45
9	11.80	4	1.92	0.37	63.83
10	14.16	1	1.31	0.34	38.92
11	15.15	3	1.97	0.57	66.27
12	14.46	3	1.97	0.57	84.62
13	14.67	4	2.04	0.34	79.26
14	15.38	4	2.04	0.34	32.96
15	15.69	4	1.86	0.44	70.90
16	12.09	4	1.86	0.44	88.08
17	15.00	4	1.86	0.44	52.76
18	14.33	4	1.86	0.44	70.50
19	14.57	3	2.04	0.39	73.45
20	14.11	3	2.04	0.39	61.75
21	10.09	4	1.87	0.37	39.47
22	9.85	4	1.87	0.37	54.57
23	14.28	4	1.96	0.40	33.46
24	12.44	4	1.96	0.40	86.65
25	14.42	4	1.96	0.40	27.63
26	12.87	4	1.71	0.23	43.58
27	12.74	4	1.71	0.23	81.02
28	12.19	4	1.71	0.23	52.03
29	16.53	4	1.73	0.35	68.59
30	14.30	4	1.73	0.35	51.29
31	15.88	4	1.85	0.34	80.87
32	13.17	4	1.85	0.34	10.52
33	14.20	4	1.85	0.34	53.46
34	14.92	4	1.85	0.34	60.91
35	14.40	4	1.85	0.34	63.90
36	17.05	4	1.85	0.34	35.50
37	14.19	4	1.85	0.34	53.91

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.09	4	1.85	0.34	64.19
39	15.97	4	1.90	0.40	60.81
40	12.79	4	1.90	0.40	64.41
41	13.83	4	1.79	0.44	73.69
42	12.30	4	1.79	0.44	76.11
43	13.85	4	1.79	0.44	34.46
44	13.03	4	1.79	0.44	68.44
45	13.86	4	1.79	0.44	73.74
46	14.91	4	1.79	0.44	37.26
47	12.17	4	1.79	0.44	43.73
48	14.40	4	1.79	0.44	76.81
49	16.64	4	2.04	0.45	65.16
50	14.33	4	2.04	0.45	71.70
51	13.64	4	2.04	0.45	85.43
52	15.13	4	2.04	0.45	63.64
53	12.34	4	2.04	0.45	45.14
54	14.09	4	1.63	0.33	46.63
55	13.43	4	1.63	0.33	59.94
56	14.16	4	1.63	0.33	61.57
57	16.04	4	1.97	0.67	58.01
58	13.27	4	1.97	0.67	57.57
59	13.76	4	2.19	0.40	56.92
60	12.93	4	2.19	0.40	88.48
61	14.03	4	2.19	0.40	89.78
62	13.23	4	2.19	0.40	50.87
63	13.80	4	2.19	0.40	38.45
64	15.35	4	2.19	0.40	88.58
65	15.43	4	2.19	0.40	24.49
66	13.64	4	2.19	0.40	66.28
67	13.88	4	2.19	0.40	80.96
68	15.18	4	2.19	0.40	56.22
69	13.62	4	2.19	0.40	62.22
70	17.08	4	2.19	0.40	69.26
71	12.82	4	2.19	0.40	57.21
72	14.03	4	2.19	0.40	59.54
73	14.50	4	2.19	0.40	61.20
74	16.62	4	2.19	0.40	87.30
75	13.82	4	2.19	0.40	80.16
76	14.90	4	2.19	0.40	28.37
77	14.20	4	2.19	0.40	61.57

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	12.66	4	1.74	0.34	61.44
79	12.66	4	1.74	0.34	35.56
80	12.96	4	1.74	0.34	76.68
81	10.27	4	1.74	0.34	75.21
82	13.02	4	1.92	0.52	66.13
83	14.83	4	1.92	0.52	70.42
84	13.11	4	1.92	0.52	86.68
85	14.71	4	1.92	0.52	34.46
86	14.84	2	1.71	0.47	40.81
87	13.39	2	1.71	0.47	62.66
88	12.06	2	1.71	0.47	82.39
89	15.08	2	1.71	0.47	74.85
90	13.33	2	1.71	0.47	44.79
91	14.13	4	1.65	0.28	77.58
92	12.67	4	1.65	0.28	62.84
93	13.91	4	1.76	0.45	74.46
94	12.90	4	1.76	0.45	66.58
95	16.14	4	1.96	0.39	58.13
96	14.98	4	1.96	0.39	53.97
97	14.01	4	1.96	0.39	71.58
98	15.95	4	2.01	0.37	81.81
99	13.64	4	2.01	0.37	80.39
100	14.13	3	1.58	0.58	70.88
101	15.63	3	1.58	0.58	49.32
102	15.46	3	1.58	0.58	45.40
103	14.16	4	1.86	0.37	70.26
104	15.58	2	1.84	0.34	52.19
105	14.23	4	1.81	0.37	69.90
106	13.42	4	1.81	0.37	71.46
107	15.81	4	1.81	0.37	41.18
108	14.78	4	1.81	0.37	88.23
109	14.59	4	1.81	0.37	34.98
110	15.29	4	1.81	0.37	41.59
111	14.31	4	1.81	0.37	43.82
112	14.64	4	1.81	0.37	22.68
113	13.15	4	1.81	0.37	74.04
114	15.56	4	1.81	0.37	87.62
115	14.05	3	1.98	0.54	41.07
116	14.41	3	1.98	0.54	45.72
117	12.79	4	1.77	0.31	66.07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.19	4	1.77	0.31	66.92
119	14.72	4	1.77	0.31	76.24
120	13.39	4	1.77	0.31	19.73
121	12.32	4	1.78	0.34	66.37
122	9.47	4	1.78	0.34	84.45
123	11.90	4	1.92	0.38	85.57
124	14.46	4	1.92	0.38	55.24
125	16.20	4	1.92	0.38	54.74
126	10.47	4	2.01	0.35	86.40
127	14.87	4	2.01	0.35	68.49
128	14.28	4	2.01	0.35	69.85
129	8.37	4	2.01	0.35	64.91
130	14.32	4	2.01	0.35	25.27
131	13.54	4	2.01	0.35	79.76
132	14.89	4	2.01	0.35	42.29
133	11.24	4	2.01	0.35	89.45
134	14.53	4	1.83	0.35	67.32
135	14.35	4	1.83	0.35	82.10
136	12.04	4	2.06	0.37	80.22
137	15.60	4	2.06	0.37	46.97
138	13.51	4	2.06	0.37	75.69
139	13.75	4	2.06	0.37	53.86
140	11.96	4	1.71	0.28	43.50
141	9.01	4	1.71	0.28	87.65
142	12.18	4	1.71	0.28	80.56
143	13.28	4	1.71	0.28	78.60
144	13.61	4	1.71	0.28	41.66
145	15.39	4	1.90	0.44	46.92
146	15.31	4	1.90	0.44	43.53
147	11.30	4	1.90	0.44	72.49
148	15.18	4	1.90	0.44	32.03
149	15.26	4	1.90	0.44	66.36
150	14.00	4	1.90	0.44	55.14
151	13.10	4	1.90	0.44	34.55
152	12.72	2	1.83	0.30	28.17
153	13.61	2	1.83	0.30	78.13
154	12.33	2	1.83	0.30	40.39
155	14.55	2	1.83	0.30	41.42
156	11.94	2	1.83	0.30	32.16
157	13.96	2	1.83	0.30	64.72

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.82	2	1.83	0.30	53.60
159	13.46	4	1.81	0.34	21.03
160	14.67	4	1.81	0.34	15.22
161	12.78	4	1.81	0.34	83.85
162	13.31	4	1.81	0.34	59.41
163	14.53	4	1.98	0.40	37.81
164	13.82	4	1.98	0.40	61.01
165	13.38	4	1.98	0.40	35.10
166	13.76	4	2.08	0.51	68.41
167	14.25	4	2.08	0.51	34.27
168	14.39	4	2.08	0.51	60.29
169	13.23	4	2.08	0.51	47.58
170	15.62	4	2.08	0.51	73.33
171	12.48	4	2.08	0.51	73.38
172	13.10	4	2.08	0.51	66.53
173	13.89	4	2.08	0.51	73.28
174	14.05	4	2.08	0.51	33.55
175	15.78	4	2.07	0.37	48.03
176	11.96	4	2.07	0.37	53.40
177	15.45	4	2.07	0.37	50.96
178	13.92	4	1.58	0.53	75.96
179	15.16	4	1.58	0.53	68.86
180	11.66	4	1.58	0.53	88.03
181	13.27	4	1.58	0.53	74.60
182	13.50	4	1.58	0.53	86.93
183	13.72	4	1.58	0.53	49.85
184	14.46	4	1.58	0.53	17.65
185	14.13	4	1.68	0.28	47.59
186	12.91	4	1.68	0.28	37.48
187	15.23	4	1.68	0.28	28.32
188	13.51	4	1.68	0.28	60.80
189	15.62	4	1.77	0.37	76.66
190	12.37	4	1.66	0.47	54.68
191	12.49	4	1.66	0.47	80.01
192	14.22	4	1.91	0.49	52.11
193	13.57	4	1.91	0.49	58.60
194	14.68	4	1.91	0.49	87.03
195	14.52	4	1.91	0.49	54.75
196	13.71	4	1.91	0.49	83.44
197	10.74	4	1.91	0.49	46.62

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	13.02	4	1.91	0.49	89.64
199	14.39	4	1.91	0.49	80.73
200	14.55	4	1.55	0.49	70.83
201	12.48	4	1.55	0.49	83.02
202	13.05	4	1.55	0.49	43.92
203	14.29	4	1.55	0.49	29.01

Mean Dpar	= 1.88	Std. Dev. (um)	= 1.42
Mean Dper	= 0.40	Skewness	= -0.77
Mean length (um)	= 13.86+/- 0.10	Kurtosis	= 1.54

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497-32

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.84	4	1.93	0.33	73.28
2	14.45	4	1.93	0.33	19.98
3	14.62	4	1.93	0.33	53.13
4	14.82	4	1.93	0.33	77.17
5	14.58	4	1.93	0.33	34.93
6	12.41	4	1.93	0.33	82.73
7	15.33	4	1.93	0.33	66.60
8	14.53	4	1.93	0.33	85.51
9	6.84	4	1.93	0.33	56.05
10	15.83	4	1.93	0.33	85.66
11	13.03	4	1.93	0.33	67.39
12	15.46	4	1.93	0.33	55.07
13	13.69	4	1.93	0.33	56.09
14	15.44	4	1.93	0.33	36.15
15	13.95	4	1.77	0.43	85.64
16	16.32	4	1.77	0.43	43.79
17	12.06	4	1.77	0.43	83.99
18	12.79	4	1.77	0.43	79.75
19	13.23	4	1.98	0.52	83.85
20	13.70	4	1.98	0.52	42.35
21	16.08	4	1.98	0.52	33.21
22	16.15	4	1.92	0.37	27.41
23	13.71	4	1.92	0.37	41.08
24	6.10	4	1.92	0.37	86.30
25	14.22	4	1.92	0.37	47.66
26	14.89	4	1.92	0.37	55.56
27	13.74	4	2.24	0.35	33.56
28	14.25	4	2.24	0.35	46.31
29	13.13	4	2.24	0.35	58.50
30	15.48	4	2.24	0.35	39.48
31	14.54	4	2.24	0.35	38.43
32	17.05	4	2.24	0.35	58.33
33	14.71	4	2.24	0.35	63.97
34	15.56	4	2.24	0.35	28.44
35	15.68	4	1.94	0.53	39.33
36	14.36	4	1.94	0.53	88.09
37	5.46	2	1.65	0.47	78.87

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	12.88	2	1.65	0.47	68.09
39	14.90	2	1.65	0.47	15.19
40	15.16	4	2.04	0.39	38.45
41	15.59	4	2.04	0.39	52.98
42	14.05	4	2.04	0.39	64.36
43	14.05	4	1.87	0.40	38.32
44	12.34	4	1.87	0.40	75.16
45	13.58	4	1.87	0.40	77.30
46	14.43	4	1.87	0.40	81.88
47	16.08	4	1.87	0.40	72.71
48	14.76	4	1.87	0.40	70.65
49	13.51	4	1.86	0.51	41.28
50	13.78	4	1.79	0.35	63.76
51	13.82	4	1.79	0.35	63.54
52	13.07	4	2.03	0.58	81.06
53	13.52	4	2.03	0.58	61.30
54	13.19	4	1.88	0.38	76.59
55	12.40	4	1.88	0.38	75.60
56	14.06	4	1.88	0.38	81.77
57	5.94	4	1.88	0.38	85.11
58	14.93	4	1.88	0.38	48.86
59	14.75	4	1.88	0.38	47.58
60	15.96	4	1.88	0.38	71.29
61	13.93	4	1.92	0.19	61.14
62	14.16	4	1.87	0.28	44.10
63	14.31	4	1.87	0.28	50.21
64	12.83	4	1.87	0.28	82.95
65	13.63	4	1.87	0.28	83.53
66	13.72	4	1.87	0.28	23.98
67	14.10	4	1.87	0.28	40.73
68	14.05	4	1.87	0.28	34.41
69	13.45	4	1.67	0.42	59.18
70	14.45	4	1.67	0.42	43.60
71	12.89	4	1.67	0.42	80.74
72	15.78	4	1.67	0.42	14.97
73	15.15	4	1.67	0.42	69.31
74	14.24	4	1.88	0.30	82.53
75	14.52	4	1.88	0.30	70.78
76	13.75	4	1.94	0.29	55.25
77	13.78	4	1.94	0.29	83.28

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	6.72	4	1.94	0.29	50.08
79	14.58	4	1.94	0.29	74.11
80	7.02	4	1.94	0.29	81.07
81	13.98	4	1.85	0.25	38.59
82	13.87	4	2.06	0.35	88.48
83	12.76	4	2.06	0.35	81.01
84	14.18	4	1.70	0.38	84.04
85	15.21	4	1.70	0.38	65.05
86	13.24	4	1.70	0.38	58.73
87	15.11	4	1.70	0.38	30.66
88	14.76	4	1.70	0.38	38.33
89	14.22	4	1.87	0.44	77.74
90	15.24	4	1.87	0.44	79.89
91	15.14	4	1.87	0.44	87.39
92	14.29	4	1.87	0.44	49.26
93	15.34	4	1.87	0.44	75.33
94	14.95	4	1.87	0.44	56.97
95	14.43	4	1.87	0.44	82.00
96	14.31	4	1.87	0.44	57.78
97	14.61	4	1.87	0.44	84.70
98	15.01	4	1.86	0.39	87.37
99	14.13	4	1.86	0.39	60.91
100	15.59	4	1.86	0.39	41.39
101	15.08	4	1.86	0.39	66.32
102	12.82	4	1.86	0.39	69.01
103	14.74	4	1.86	0.39	64.81
104	15.20	4	1.86	0.39	85.18
105	13.85	4	1.86	0.39	61.79
106	15.02	4	1.86	0.39	64.87
107	15.12	4	1.86	0.39	68.20
108	15.87	4	1.86	0.39	47.22
109	15.07	4	1.86	0.39	38.74
110	14.39	4	1.91	0.38	72.59
111	13.66	4	1.91	0.38	87.53
112	14.76	4	2.03	0.43	71.69
113	14.91	4	2.03	0.43	77.31
114	12.93	4	2.03	0.43	27.72
115	13.86	4	2.03	0.43	17.10
116	15.16	4	1.93	0.37	47.16
117	13.89	4	1.93	0.37	82.42

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.03	4	1.93	0.37	60.23
119	14.76	4	1.97	0.34	59.59
120	14.14	4	1.97	0.34	83.19
121	15.30	4	1.97	0.34	38.01
122	14.06	4	1.97	0.34	62.79
123	14.92	4	1.97	0.34	78.05
124	14.37	4	1.97	0.34	27.70
125	15.68	4	1.97	0.34	24.75
126	14.04	4	1.97	0.34	36.89
127	14.87	4	1.97	0.34	65.97
128	14.37	4	1.97	0.34	49.31
129	13.13	4	1.97	0.34	65.71
130	14.62	4	1.97	0.34	61.81
131	13.95	4	1.97	0.34	29.17
132	9.36	4	1.97	0.34	86.85

Mean Dpar	= 1.91	Std. Dev. (um)	= 1.96
Mean Dper	= 0.38	Skewness	= -2.70
Mean length (um)	= 13.97+/- 0.17	Kurtosis	= 8.27

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.24	4	1.77	0.44	75.91
2	8.79	4	1.77	0.44	82.63
3	14.48	4	1.77	0.44	49.29
4	16.44	4	1.77	0.44	63.31
5	15.52	4	1.77	0.44	33.68
6	13.97	4	1.77	0.44	37.43
7	12.73	4	1.77	0.44	45.42
8	15.13	4	1.77	0.44	76.80
9	15.73	4	1.77	0.44	37.27
10	15.08	4	1.84	0.34	59.87
11	16.18	4	1.84	0.34	71.15
12	14.03	4	1.73	0.31	76.07
13	14.34	4	1.73	0.31	69.51
14	13.67	4	1.73	0.31	83.23
15	16.00	1	1.63	0.43	31.47
16	14.44	4	1.84	0.29	26.47
17	13.58	4	1.84	0.29	86.69
18	15.34	4	1.84	0.29	9.84
19	14.52	4	1.84	0.29	70.24
20	15.07	4	1.84	0.29	28.96
21	13.50	4	1.84	0.29	62.96
22	14.15	4	1.83	0.38	73.43
23	15.13	4	1.83	0.38	85.80
24	14.18	4	1.83	0.38	63.64
25	14.64	4	1.83	0.38	79.99
26	15.41	4	1.83	0.38	45.91
27	14.91	4	1.83	0.38	29.65
28	14.44	4	1.76	0.44	72.22
29	14.86	4	1.76	0.44	79.99
30	17.26	4	1.76	0.44	52.58
31	12.82	4	1.76	0.44	60.70
32	14.82	4	1.78	0.47	55.20
33	13.93	4	1.78	0.47	13.34
34	14.07	4	1.78	0.47	60.81
35	14.26	4	1.78	0.47	63.10
36	6.37	4	1.81	0.43	67.49
37	14.02	4	1.81	0.43	87.10

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.28	4	1.81	0.43	33.42
39	13.73	4	1.83	0.59	66.34
40	14.48	4	2.01	0.63	38.59
41	13.71	4	2.01	0.63	48.70
42	15.12	4	2.01	0.63	58.81
43	13.61	4	2.01	0.63	18.89
44	15.80	4	2.01	0.63	40.21
45	14.98	4	2.01	0.63	43.59
46	13.88	4	1.63	0.43	68.94
47	13.83	4	1.63	0.43	65.66
48	14.00	4	1.63	0.43	26.01
49	10.64	4	1.63	0.43	59.74
50	14.54	4	1.85	0.29	26.51
51	14.89	4	1.85	0.29	86.13
52	15.37	4	1.85	0.29	24.57
53	13.80	4	1.80	0.48	18.39
54	15.22	4	1.80	0.48	37.90
55	14.91	4	1.79	0.43	41.49
56	13.38	4	1.79	0.43	57.74
57	14.27	1	1.46	0.31	60.62
58	15.66	1	1.46	0.31	20.32
59	14.01	4	1.84	0.56	80.57
60	13.50	4	1.84	0.56	33.39
61	13.95	4	1.84	0.56	53.69
62	15.62	4	1.84	0.56	86.56
63	12.47	4	1.84	0.56	89.72
64	15.38	4	1.84	0.56	34.71
65	13.01	4	1.74	0.44	59.00
66	16.12	4	1.74	0.44	59.25
67	13.56	4	1.74	0.44	72.59
68	15.23	4	1.74	0.44	56.87
69	13.89	4	1.74	0.44	50.53
70	14.28	4	1.74	0.44	27.59
71	12.72	4	1.85	0.68	7.38
72	13.50	4	1.85	0.68	82.71
73	14.48	4	1.85	0.68	67.65
74	16.59	4	1.85	0.68	66.15
75	16.48	4	1.85	0.68	68.03
76	14.54	4	1.85	0.68	52.53
77	16.32	4	1.85	0.68	89.08

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.75	4	1.85	0.68	29.40
79	16.21	4	1.85	0.68	21.55
80	13.81	4	1.67	0.35	37.47
81	13.74	4	1.67	0.35	58.33
82	14.77	4	1.67	0.35	70.71
83	14.86	4	1.67	0.35	38.35
84	14.70	4	1.80	0.31	54.53
85	15.61	4	1.80	0.31	70.51
86	14.51	4	1.80	0.31	52.86
87	15.57	4	1.80	0.31	76.22
88	12.55	4	1.80	0.31	59.50
89	14.15	4	1.80	0.31	53.62
90	14.57	4	1.80	0.31	56.08
91	14.86	4	1.79	0.44	82.13
92	15.34	4	1.79	0.44	46.04
93	13.33	4	1.99	0.37	81.64
94	15.20	4	1.99	0.37	65.84
95	15.48	4	1.99	0.37	82.73
96	13.71	4	1.99	0.37	66.47
97	14.13	4	1.93	0.51	77.35
98	11.62	4	1.93	0.51	58.43
99	13.48	4	1.93	0.51	43.89
100	14.69	4	1.93	0.51	67.28
101	13.99	4	1.93	0.51	36.50
102	11.10	4	1.93	0.51	80.14
103	14.32	4	1.88	0.39	39.38
104	13.84	4	1.88	0.39	78.56
105	14.14	4	1.88	0.39	54.08
106	12.96	4	1.78	0.40	60.86
107	13.93	4	1.78	0.40	46.64
108	15.25	4	1.78	0.40	36.32
109	16.19	4	1.71	0.18	62.77
110	15.11	4	1.71	0.18	65.19
111	14.63	4	1.71	0.18	87.76
112	13.97	4	1.71	0.18	54.43
113	13.35	4	1.71	0.18	64.03
114	13.89	4	1.71	0.18	44.96
115	14.52	4	1.71	0.18	12.04
116	15.47	4	1.71	0.18	66.88
117	15.10	4	1.71	0.18	65.49

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.53	4	2.06	0.21	55.39
119	15.35	4	2.06	0.21	59.92
120	15.17	4	2.06	0.21	28.33
121	13.92	4	2.06	0.21	63.85
122	15.03	4	1.67	0.42	49.76
123	14.44	4	1.80	0.35	55.81
124	12.49	4	1.80	0.35	76.57
125	15.35	4	1.64	0.48	22.33
126	13.47	4	1.64	0.48	77.54
127	15.95	4	1.64	0.48	63.42
128	14.79	4	1.64	0.48	22.82
129	14.30	4	1.64	0.48	65.86

Mean Dpar	= 1.80	Std. Dev. (um)	= 1.37
Mean Dper	= 0.42	Skewness	= -2.11
Mean length (um)	= 14.36+/- 0.1	Kurtosis	= 9.39

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.49	4	1.77	0.28	13.80
2	13.47	4	1.77	0.28	26.07
3	14.27	4	1.77	0.28	15.28
4	15.80	4	1.77	0.28	46.29
5	15.45	4	1.77	0.28	34.97
6	15.02	4	2.06	0.35	88.39
7	15.37	4	2.06	0.35	20.05
8	14.12	4	1.83	0.54	38.81
9	15.89	4	1.83	0.54	66.98
10	16.96	4	1.83	0.54	81.97
11	13.20	4	1.83	0.54	51.61
12	15.03	4	1.83	0.54	64.32
13	13.37	4	1.83	0.54	54.33
14	14.17	4	1.87	0.49	77.13
15	12.79	4	1.87	0.49	81.44
16	14.65	4	1.87	0.49	68.91
17	16.59	4	1.87	0.49	57.67
18	14.35	4	1.87	0.49	54.51
19	16.63	4	1.87	0.49	63.33
20	13.53	4	1.87	0.49	59.57
21	14.61	4	1.87	0.49	76.42
22	16.43	4	1.87	0.49	28.62
23	13.39	4	1.87	0.49	35.56
24	14.69	4	1.87	0.49	78.94
25	14.27	2	1.50	0.42	30.49
26	13.22	4	1.97	0.44	82.99
27	13.83	4	1.97	0.44	85.65
28	12.74	4	1.97	0.44	49.89
29	15.55	4	1.97	0.44	79.06
30	14.46	4	1.97	0.44	34.83
31	13.77	4	1.97	0.44	86.16
32	14.58	4	1.97	0.44	84.24
33	13.83	4	1.97	0.44	18.24
34	14.31	4	1.97	0.44	47.60
35	14.15	4	1.85	0.30	79.24
36	13.80	4	1.85	0.30	19.48
37	14.08	4	1.70	0.26	72.29

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.02	4	1.70	0.26	56.98
39	14.24	4	1.70	0.26	73.37
40	14.87	4	1.70	0.26	87.27
41	12.61	4	1.70	0.26	67.07
42	14.49	4	1.70	0.26	21.21
43	15.62	4	1.70	0.26	38.14
44	8.16	4	1.97	0.38	87.88
45	15.27	4	1.97	0.38	52.85
46	14.28	4	1.97	0.38	11.72
47	12.03	4	1.97	0.38	60.36
48	15.66	4	1.97	0.38	34.54
49	12.55	4	1.97	0.38	31.21
50	14.98	4	1.97	0.38	28.12
51	15.07	4	1.97	0.38	10.59
52	13.97	4	1.97	0.38	66.49
53	14.46	4	1.97	0.38	85.39
54	14.72	4	1.97	0.38	29.01
55	12.31	4	1.97	0.38	60.38
56	14.57	4	1.97	0.38	79.23
57	14.57	4	1.97	0.38	82.05
58	15.96	4	1.97	0.38	80.63
59	15.26	4	1.97	0.38	13.40
60	15.76	4	1.97	0.38	84.55
61	14.99	4	1.97	0.38	31.86
62	14.08	4	1.77	0.45	80.79
63	14.49	4	1.77	0.45	22.30
64	11.17	4	1.77	0.45	77.84
65	14.42	4	1.77	0.45	23.54
66	14.47	4	1.77	0.45	46.67
67	15.72	4	1.77	0.45	28.12
68	13.76	4	1.77	0.45	73.68
69	14.14	4	1.85	0.48	86.76
70	15.83	4	1.85	0.48	53.87
71	15.41	4	1.85	0.48	24.26
72	16.97	4	1.85	0.48	69.71
73	14.74	4	1.85	0.48	24.77
74	15.30	4	1.85	0.48	54.58
75	14.12	4	1.90	0.42	86.21
76	14.84	4	1.90	0.42	41.14
77	14.82	4	1.90	0.42	44.46

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.28	4	1.90	0.42	88.14
79	15.81	4	1.94	0.47	79.22
80	16.36	4	1.94	0.47	24.95
81	15.05	4	1.94	0.47	56.15
82	14.48	4	1.94	0.47	32.35
83	13.79	4	1.94	0.47	80.66
84	14.39	4	1.94	0.47	35.79
85	14.80	4	1.94	0.47	54.25
86	15.73	4	1.94	0.47	67.73
87	14.01	4	1.93	0.38	66.62
88	14.07	4	1.93	0.38	48.97
89	14.89	4	1.71	0.57	52.48
90	15.28	4	1.71	0.57	21.73
91	14.28	4	1.71	0.57	22.45
92	14.66	4	1.71	0.57	12.66
93	15.77	4	1.71	0.57	40.31
94	15.84	4	1.71	0.57	25.15
95	14.41	4	1.72	0.37	78.62
96	14.04	4	1.72	0.37	37.99
97	14.06	4	1.72	0.37	81.05
98	14.55	4	1.85	0.26	61.54
99	14.49	4	1.85	0.26	56.85
100	14.41	4	1.85	0.26	43.50
101	14.44	4	1.85	0.26	60.44
102	15.14	4	1.85	0.26	88.87
103	13.52	4	1.85	0.26	54.54
104	15.32	4	1.85	0.26	54.85
105	14.12	4	1.85	0.26	50.43
106	13.38	4	1.85	0.26	77.08
107	14.14	4	1.85	0.26	50.49
108	14.76	4	1.85	0.26	54.92
109	14.73	4	1.85	0.26	88.80
110	14.84	4	1.85	0.26	32.71
111	13.53	4	1.85	0.26	73.75
112	14.86	4	1.85	0.26	59.82
113	15.47	4	1.85	0.26	28.47
114	14.58	4	1.85	0.26	71.62
115	14.85	4	1.85	0.26	51.07
116	13.74	4	1.78	0.49	66.22
117	14.57	4	1.78	0.49	54.13

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.27	4	1.78	0.49	86.36
119	15.67	4	1.78	0.49	74.95
120	14.07	4	1.78	0.49	70.93
121	13.93	4	1.78	0.49	40.71
122	13.19	4	1.78	0.49	73.40
123	16.35	4	1.78	0.49	82.15
124	14.81	4	1.78	0.49	46.11
125	14.51	4	1.78	0.49	47.21
126	14.38	4	1.76	0.25	56.84
127	14.99	4	1.76	0.25	73.59
128	14.77	4	1.76	0.25	45.47
129	16.77	4	1.76	0.25	73.60
130	14.79	4	1.76	0.25	67.00
131	15.34	4	1.76	0.25	72.04
132	16.38	4	1.76	0.25	70.22
133	13.54	4	1.76	0.25	61.72
134	14.62	4	1.76	0.25	27.82
135	13.86	4	1.76	0.25	63.23

Mean Dpar	= 1.85	Std. Dev. (um)	= 1.13
Mean Dper	= 0.40	Skewness	= -1.36
Mean length (um)	= 14.55+/- 0.10	Kurtosis	= 6.80

02-EP-46
497-35

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.79	4	1.85	0.30	45.35
2	15.90	4	1.85	0.30	35.34
3	13.24	4	1.85	0.30	39.74
4	13.72	4	1.85	0.30	75.51
5	15.59	4	1.85	0.30	14.42
6	15.00	4	1.85	0.30	19.92
7	15.64	4	1.85	0.30	24.96
8	14.46	4	1.85	0.30	48.33
9	13.83	4	1.85	0.30	58.18
10	14.31	4	1.85	0.30	47.70
11	15.04	4	1.85	0.30	70.85
12	15.21	4	1.85	0.30	38.05
13	14.12	4	1.85	0.30	40.33
14	15.66	4	1.87	0.42	52.60
15	14.40	4	1.87	0.42	26.62
16	14.01	4	1.87	0.42	86.45
17	14.66	4	1.87	0.42	74.90
18	14.24	4	1.87	0.42	85.30
19	15.50	4	1.87	0.42	24.02
20	13.93	4	1.73	0.38	33.04
21	13.74	4	1.73	0.38	71.20
22	13.86	2	2.01	0.28	67.37
23	13.47	2	2.01	0.28	75.08
24	14.18	2	2.01	0.28	68.64
25	14.34	2	2.01	0.28	16.20
26	14.79	2	2.01	0.28	72.78
27	15.53	4	1.98	0.26	74.81
28	14.78	4	1.98	0.26	72.44
29	13.08	4	1.98	0.26	80.94
30	14.98	4	1.98	0.26	89.87
31	13.77	4	1.70	0.51	89.31
32	14.35	4	1.70	0.51	15.37
33	15.04	4	1.70	0.51	47.97
34	13.85	4	1.70	0.51	37.48
35	14.87	4	2.05	0.40	80.22
36	14.46	4	2.05	0.40	6.70
37	13.45	4	2.05	0.40	42.47

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.31	4	2.08	0.61	53.02
39	13.34	4	2.08	0.61	54.21
40	14.17	4	2.08	0.61	83.34
41	14.43	4	2.08	0.61	74.94
42	14.70	4	2.07	0.34	67.43
43	12.69	2	2.05	0.40	54.03
44	13.80	2	2.05	0.40	19.58
45	14.25	2	2.05	0.40	66.50
46	15.72	2	2.05	0.40	36.79
47	15.09	2	2.05	0.40	79.85
48	14.28	4	1.86	0.57	68.02
49	13.59	4	1.86	0.57	77.79
50	14.40	4	1.86	0.57	33.92
51	15.72	4	1.86	0.57	51.45
52	14.04	4	1.86	0.57	37.77
53	14.67	4	1.86	0.57	27.10
54	15.08	4	2.16	0.42	64.63
55	13.34	4	2.16	0.42	20.32
56	14.92	4	2.16	0.42	78.83
57	15.23	4	2.16	0.42	28.13
58	15.25	4	2.16	0.42	30.53
59	14.46	4	2.16	0.42	87.31
60	12.61	4	2.16	0.42	65.33
61	14.30	4	2.16	0.42	24.35
62	14.98	4	2.16	0.42	27.31
63	14.22	4	2.11	0.52	78.35
64	15.05	4	2.11	0.52	66.45
65	13.47	4	2.11	0.52	38.46
66	14.30	4	2.11	0.52	35.69
67	15.99	4	2.11	0.52	25.32
68	16.19	4	2.11	0.52	46.83
69	15.24	4	2.11	0.52	80.83
70	14.83	4	2.11	0.52	59.23
71	14.19	4	2.11	0.52	45.20
72	15.22	4	1.87	0.29	49.23
73	15.19	4	1.87	0.29	47.57
74	15.14	4	1.87	0.29	30.29
75	14.18	4	1.87	0.29	38.08
76	14.32	4	2.14	0.42	72.43
77	15.22	4	2.14	0.42	68.92

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.18	2	2.21	0.53	45.58
79	13.80	2	2.21	0.53	80.34
80	15.00	2	2.21	0.53	24.39
81	14.07	2	2.21	0.53	61.42
82	11.63	2	2.21	0.53	64.80
83	15.93	2	2.21	0.53	35.55
84	12.87	2	2.21	0.53	86.04
85	13.95	2	2.21	0.53	68.03
86	13.56	4	2.12	0.20	64.94
87	15.55	4	2.12	0.20	38.12
88	13.18	4	2.12	0.20	77.92
89	13.39	4	2.12	0.20	18.97
90	15.28	4	2.12	0.20	82.28
91	15.86	4	2.12	0.20	89.97
92	14.34	4	2.12	0.20	65.54
93	16.88	4	2.12	0.38	16.64
94	15.54	4	2.12	0.38	13.89
95	10.28	4	2.12	0.38	48.24
96	14.53	4	2.12	0.38	52.15
97	15.02	4	2.12	0.38	76.22
98	14.95	4	2.12	0.38	68.93
99	13.95	4	2.12	0.38	77.51
100	14.48	4	2.12	0.38	58.10
101	14.27	4	2.12	0.38	29.84
102	12.81	4	2.12	0.38	71.64
103	11.77	4	2.12	0.38	89.64
104	13.82	4	2.10	0.40	62.97
105	13.89	4	2.10	0.40	69.52
106	14.09	4	1.97	0.35	83.92
107	12.64	4	2.17	0.48	71.18
108	13.34	4	2.17	0.48	88.54
109	14.35	4	2.17	0.48	39.38
110	13.94	4	2.17	0.48	70.68
111	15.60	4	1.70	0.35	78.20
112	12.91	4	1.70	0.35	76.51
113	14.71	4	1.70	0.35	73.28
114	15.43	4	1.70	0.35	80.44
115	14.51	4	2.00	0.59	54.13
116	16.41	4	2.00	0.59	55.25
117	13.93	4	2.00	0.59	68.88

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.47	4	2.00	0.59	72.24
119	15.54	4	2.00	0.59	29.49
120	14.79	4	2.00	0.59	63.03
121	15.47	4	2.00	0.59	68.58
122	15.85	4	2.00	0.59	60.03
123	15.40	4	2.00	0.59	62.48
124	14.58	4	1.88	0.38	69.96
125	12.63	4	1.88	0.38	62.02
126	14.36	4	1.88	0.38	69.14
127	15.25	4	1.88	0.38	10.28
128	12.94	4	1.88	0.38	62.93
129	14.28	4	1.88	0.38	79.25
130	14.17	4	1.88	0.38	21.83
131	14.84	4	1.88	0.38	81.75

Mean Dpar	= 2.00	Std. Dev. (um)	= 1.00
Mean Dper	= 0.41	Skewness	= -0.74
Mean length (um)	= 14.44+/- 0.09	Kurtosis	= 1.6

02-EP-47
497-36

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.62	4	1.86	0.58	9.04
2	15.47	4	1.86	0.58	86.39
3	12.04	4	1.86	0.58	72.12
4	15.22	4	1.86	0.58	53.67
5	16.44	4	1.88	0.18	17.87
6	12.46	4	1.88	0.18	45.42
7	14.29	4	1.88	0.18	52.44
8	13.64	4	1.88	0.18	27.05
9	14.51	4	1.88	0.18	50.29
10	14.22	4	1.57	0.38	44.30
11	14.57	4	1.57	0.38	58.48
12	15.90	4	1.57	0.38	74.15
13	16.05	4	1.57	0.38	39.85
14	17.01	4	1.57	0.38	52.62
15	15.64	4	1.57	0.38	36.05
16	14.26	4	2.12	0.57	34.80
17	14.51	4	2.12	0.57	39.02
18	13.62	4	2.12	0.57	85.18
19	15.47	4	2.12	0.57	22.89
20	13.62	4	2.12	0.57	72.63
21	15.50	4	2.12	0.57	39.66
22	13.21	4	2.12	0.57	65.11
23	15.60	4	2.12	0.57	26.01
24	14.14	4	2.12	0.57	54.48
25	14.22	4	2.12	0.57	12.44
26	13.75	4	2.18	0.37	60.43
27	11.73	4	2.18	0.37	83.40
28	14.35	4	2.18	0.37	29.06
29	15.97	4	1.84	0.58	33.25
30	6.76	4	1.84	0.58	75.07
31	13.98	4	1.84	0.58	87.08
32	11.75	4	1.84	0.58	77.61
33	13.74	4	1.84	0.58	73.88
34	12.95	4	1.88	0.47	53.07
35	14.55	4	1.88	0.47	58.35
36	16.13	4	1.88	0.47	63.47
37	13.05	4	1.88	0.47	49.93

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.66	4	1.88	0.47	27.84
39	13.02	4	1.88	0.52	85.80
40	15.93	4	1.88	0.52	44.99
41	14.49	4	1.88	0.52	51.27
42	14.25	4	2.04	0.44	26.36
43	14.95	4	2.04	0.44	60.93
44	13.84	4	2.04	0.44	77.32
45	14.14	4	2.04	0.44	68.23
46	13.46	4	2.04	0.44	89.83
47	15.55	4	2.04	0.44	37.08
48	15.55	4	2.04	0.44	58.07
49	15.75	4	2.04	0.44	77.45
50	15.86	4	2.04	0.44	74.41
51	14.48	4	2.04	0.44	33.35
52	14.31	4	2.04	0.44	58.73
53	13.90	4	2.04	0.44	58.11
54	14.68	4	2.04	0.44	58.47
55	7.63	4	2.04	0.44	85.75
56	14.67	4	2.07	0.28	78.00
57	14.75	4	2.07	0.28	39.20
58	15.03	4	2.07	0.28	62.98
59	14.67	4	2.07	0.28	35.96
60	14.30	4	2.07	0.28	64.29
61	15.21	4	2.07	0.28	45.71
62	16.59	4	1.86	0.53	69.81
63	13.91	4	1.86	0.53	53.18
64	15.84	4	1.86	0.53	65.05
65	15.35	4	1.86	0.53	66.05
66	15.26	4	1.86	0.53	23.44
67	14.73	4	1.86	0.53	32.92
68	14.60	4	1.86	0.53	21.29
69	14.83	4	1.86	0.53	20.69
70	11.99	4	1.86	0.53	81.83
71	14.84	4	1.86	0.53	51.50
72	15.62	4	1.86	0.53	75.49
73	13.56	4	1.86	0.53	61.35
74	15.12	4	2.00	0.61	62.65
75	15.21	4	2.00	0.61	68.35
76	15.54	4	2.00	0.61	39.86
77	14.47	4	2.00	0.61	54.95

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.82	4	2.00	0.61	68.55
79	14.68	4	1.93	0.38	70.03
80	15.52	4	1.93	0.38	33.40
81	14.58	4	1.93	0.38	68.00
82	15.13	4	2.17	0.40	54.87
83	14.13	4	2.17	0.40	59.77
84	13.73	4	2.17	0.40	39.62
85	14.87	4	2.17	0.40	74.14
86	15.04	4	2.17	0.40	45.50
87	14.15	4	2.17	0.40	87.27
88	15.78	4	2.17	0.40	12.54
89	14.41	4	2.17	0.40	48.97
90	15.17	3	1.60	0.40	55.83
91	13.51	3	1.60	0.40	89.94
92	15.27	3	1.60	0.40	55.47
93	14.76	4	1.79	0.16	87.15
94	13.22	4	1.79	0.16	29.92
95	13.39	4	1.79	0.16	63.15
96	15.17	4	1.79	0.16	88.21
97	6.27	4	1.79	0.16	79.08
98	13.58	4	1.79	0.16	51.62
99	13.89	4	1.79	0.16	60.55
100	15.61	4	1.78	0.31	61.87
101	13.83	4	1.78	0.31	85.49
102	12.93	4	1.78	0.31	78.71
103	11.05	4	1.78	0.31	44.40
104	15.49	4	1.78	0.31	59.18
105	14.55	4	1.78	0.31	85.59
106	14.78	4	1.78	0.31	61.20
107	15.20	4	1.78	0.31	59.18
108	15.63	4	1.78	0.31	65.35
109	13.98	4	1.78	0.31	76.18
110	16.07	4	1.78	0.31	51.75
111	13.36	4	1.78	0.31	78.31
112	14.57	4	1.86	0.48	58.16
113	10.27	4	1.86	0.48	51.22
114	15.18	4	1.86	0.48	33.30
115	15.49	4	2.05	0.30	88.87
116	14.06	4	1.87	0.29	40.00
117	13.01	4	1.87	0.29	79.23

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.53	4	1.87	0.29	66.19
119	14.74	4	1.96	0.53	79.90
120	15.27	4	1.96	0.53	53.55
121	13.52	4	1.96	0.53	60.32
122	14.35	4	1.96	0.53	36.73
123	15.42	4	1.96	0.53	86.43
124	14.58	4	1.96	0.53	77.51
125	14.51	4	2.00	0.54	47.07
126	13.21	4	2.00	0.54	59.46
127	16.81	4	2.00	0.54	37.20
128	15.03	4	2.00	0.54	46.16
129	12.65	4	2.00	0.54	41.69
Mean Dpar = 1.93			Std. Dev. (um) = 1.62		
Mean Dper = 0.43			Skewness = -2.39		
Mean length (um) = 14.32+/- 0.14			Kurtosis = 8.61		

02-EP-48
497-37

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	17.08	4	2.06	0.34	21.38
2	14.97	4	2.06	0.34	48.41
3	13.92	4	2.06	0.34	80.61
4	13.38	4	2.06	0.34	45.23
5	15.29	4	2.06	0.34	32.52
6	14.39	4	2.06	0.34	53.38
7	13.78	4	2.03	0.24	81.91
8	14.43	4	2.03	0.24	54.58
9	13.03	4	2.03	0.24	63.08
10	15.11	4	2.03	0.24	84.45
11	14.34	4	2.03	0.24	28.85
12	16.29	4	1.83	0.38	35.98
13	12.81	4	1.83	0.38	38.36
14	14.80	4	1.83	0.38	71.81
15	14.13	4	1.83	0.38	63.49
16	14.93	4	1.83	0.38	55.47
17	13.56	4	1.83	0.38	73.19
18	14.99	4	1.83	0.38	54.98
19	13.99	4	1.83	0.38	39.06
20	13.29	4	1.83	0.38	71.84
21	13.37	4	1.72	0.28	55.23
22	15.08	4	1.72	0.28	86.89
23	13.25	4	1.72	0.28	64.52
24	13.03	4	1.72	0.28	73.08
25	12.81	4	1.83	0.29	37.95
26	13.42	4	1.83	0.29	53.08
27	12.61	4	1.83	0.29	75.20
28	12.36	4	1.83	0.29	81.18
29	12.31	4	1.83	0.29	87.51
30	15.23	4	1.83	0.29	22.26
31	12.16	4	2.07	0.48	44.69
32	13.36	4	2.07	0.48	39.36
33	15.45	4	2.07	0.48	20.30
34	14.43	4	2.07	0.48	22.99
35	12.89	4	2.07	0.48	72.77
36	13.69	4	2.07	0.48	48.88
37	15.19	4	2.07	0.48	66.03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.47	4	2.07	0.48	77.09
39	14.02	4	2.07	0.48	72.00
40	13.25	4	2.07	0.48	30.82
41	14.48	4	2.07	0.48	39.82
42	15.33	4	1.92	0.40	76.38
43	15.70	4	1.92	0.40	63.24
44	4.19	4	1.92	0.40	85.01
45	15.31	4	1.92	0.40	45.94
46	15.91	4	1.92	0.40	28.65
47	13.58	4	1.92	0.40	83.63
48	14.88	4	1.92	0.40	47.36
49	14.27	4	1.92	0.40	29.53
50	16.62	4	1.79	0.52	56.39
51	14.69	4	1.79	0.52	45.85
52	15.12	4	1.79	0.52	58.66
53	15.09	4	1.79	0.52	44.51
54	12.68	4	1.79	0.52	81.91
55	15.86	4	1.79	0.52	36.42
56	14.21	4	1.79	0.52	70.35
57	15.08	2	2.07	0.24	84.55
58	4.98	4	1.64	0.35	56.18
59	16.62	4	1.64	0.35	68.97
60	14.95	4	1.98	0.43	51.26
61	14.04	4	1.98	0.43	78.57
62	15.01	4	1.98	0.43	53.45
63	13.43	4	1.98	0.43	88.79
64	15.47	4	1.98	0.43	29.53
65	14.36	4	2.05	0.21	76.96
66	13.81	4	2.05	0.21	31.41
67	15.96	4	2.05	0.21	39.71
68	15.30	4	2.05	0.21	46.32
69	15.02	4	1.81	0.30	38.31
70	14.72	4	1.81	0.30	40.62
71	12.71	4	1.81	0.30	77.37
72	14.54	4	1.81	0.30	77.43
73	12.83	4	1.81	0.30	58.67
74	14.64	4	1.61	0.44	29.16
75	12.29	4	1.61	0.44	79.05
76	13.93	4	1.61	0.44	54.27
77	13.78	4	1.61	0.44	80.27

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.83	4	1.61	0.44	64.69
79	15.92	4	1.85	0.28	45.21
80	13.70	4	1.85	0.28	74.91
81	14.61	4	1.85	0.28	51.37
82	15.09	2	1.97	0.28	57.91
83	13.69	2	1.97	0.28	62.18
84	13.98	4	2.16	0.48	68.53
85	13.74	4	2.16	0.48	46.98
86	14.04	4	2.16	0.48	73.82
87	16.00	4	2.16	0.48	23.58
88	14.85	4	2.16	0.48	86.26
89	15.93	4	2.16	0.48	70.95
90	13.41	4	2.16	0.48	74.61
91	12.58	4	2.16	0.48	65.59
92	14.62	4	2.16	0.48	38.17
93	15.10	4	2.16	0.48	40.71
94	14.50	4	2.16	0.48	75.45
95	14.95	4	2.16	0.48	29.98
96	13.57	4	2.16	0.48	48.26
97	13.62	4	1.94	0.49	80.50
98	14.16	4	1.94	0.49	70.00
99	13.08	4	1.94	0.49	54.42
100	15.50	4	1.94	0.49	39.14
101	15.72	4	1.94	0.49	37.30
102	13.76	4	1.94	0.49	75.20
103	11.77	4	1.94	0.49	76.60
104	14.25	4	1.94	0.49	69.81
105	14.66	4	1.94	0.49	72.36
106	16.19	4	1.94	0.49	30.78
107	14.80	4	1.94	0.49	22.96
108	13.83	2	1.54	0.34	38.48
109	13.88	2	1.54	0.34	41.76
110	13.94	2	1.54	0.34	82.82
111	13.76	4	1.80	0.33	83.18
112	15.08	4	1.80	0.33	59.39
113	15.01	4	1.80	0.33	65.75
114	14.58	4	1.94	0.29	80.17
115	16.56	4	1.94	0.29	48.88
116	15.74	4	1.94	0.29	56.91
117	11.90	4	1.94	0.29	71.19

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.73	4	1.94	0.29	65.24
119	13.19	4	1.94	0.29	74.09
120	13.71	4	1.94	0.29	58.89
121	13.56	4	1.94	0.29	86.34
122	13.55	4	1.94	0.29	64.54
123	13.10	4	1.65	0.37	78.01
124	13.89	4	1.92	0.65	72.68
125	13.52	4	1.92	0.65	52.26
126	14.88	4	1.92	0.65	38.13
127	11.24	4	1.92	0.65	64.68
128	14.32	4	1.92	0.65	69.43
129	14.58	4	1.92	0.65	60.42
130	13.66	4	1.92	0.65	60.79

Mean Dpar	= 1.92	Std. Dev. (um)	= 1.63
Mean Dper	= 0.40	Skewness	= -2.98
Mean length (um)	= 14.12+/- 0.14	Kurtosis	= 15.86

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	6.45	4	1.61	0.29	69.37
2	13.49	4	1.61	0.29	47.08
3	13.62	4	1.61	0.29	75.64
4	14.42	4	1.61	0.29	59.50
5	13.64	4	1.61	0.29	16.94
6	14.40	4	1.61	0.29	34.31
7	14.48	4	1.61	0.29	-1.00
8	14.10	4	1.61	0.29	78.18
9	9.86	4	1.61	0.29	61.60
10	15.01	4	1.61	0.29	30.28
11	14.17	4	1.61	0.29	81.15
12	14.86	4	1.96	0.52	63.02
13	14.20	4	1.96	0.52	59.43
14	14.97	4	1.96	0.52	45.20
15	12.27	4	1.96	0.52	65.77
16	12.64	4	1.96	0.52	74.42
17	12.27	4	1.96	0.52	63.69
18	12.61	4	1.96	0.52	30.37
19	14.06	4	2.06	0.45	77.03
20	12.56	4	2.06	0.45	48.52
21	14.04	4	2.06	0.45	65.46
22	13.91	4	2.06	0.45	13.91
23	16.37	4	1.77	0.53	38.52
24	14.34	4	1.77	0.53	45.82
25	14.86	4	1.77	0.53	18.33
26	14.74	4	1.77	0.53	43.08
27	14.26	4	1.77	0.53	67.07
28	14.21	4	1.84	0.52	67.58
29	11.73	4	1.84	0.52	66.84
30	15.35	4	1.84	0.52	65.74
31	13.34	4	1.84	0.52	55.31
32	14.61	4	1.84	0.52	74.32
33	15.76	4	1.84	0.52	27.86
34	8.93	4	1.84	0.52	67.47
35	13.79	4	1.84	0.52	56.08
36	13.66	4	1.84	0.52	79.07
37	14.78	4	1.84	0.52	23.77

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.63	4	1.84	0.52	36.62
39	14.74	4	1.98	0.30	88.41
40	14.62	4	1.98	0.30	35.91
41	14.85	4	1.98	0.30	39.90
42	15.08	4	1.98	0.30	85.25
43	14.04	4	1.98	0.30	85.72
44	12.05	4	1.98	0.30	85.73
45	16.19	4	1.98	0.30	23.11
46	14.63	4	1.98	0.30	64.19
47	15.17	4	1.98	0.30	84.02
48	15.29	4	1.93	0.42	43.04
49	16.86	4	1.93	0.42	48.78
50	14.72	4	1.93	0.42	42.90
51	14.57	4	1.93	0.42	55.05
52	15.39	4	1.93	0.42	7.89
53	16.32	4	1.93	0.42	61.27
54	13.69	4	1.96	0.42	51.23
55	15.72	4	1.96	0.42	46.42
56	13.51	4	1.96	0.42	36.06
57	15.65	4	1.96	0.42	62.05
58	14.20	4	1.96	0.42	40.46
59	14.40	4	1.96	0.42	66.47
60	14.80	4	1.96	0.42	62.15
61	14.47	4	1.96	0.42	62.98
62	8.77	4	1.96	0.42	41.74
63	14.89	4	1.96	0.42	60.60
64	16.28	4	1.96	0.42	75.64
65	14.63	4	1.96	0.42	55.14
66	15.18	4	1.94	0.40	40.82
67	11.87	4	1.94	0.40	52.24
68	12.40	4	1.94	0.40	39.44
69	13.61	4	1.94	0.40	58.44
70	13.67	4	1.91	0.51	52.89
71	14.81	4	1.91	0.51	59.52
72	14.07	4	1.91	0.51	40.36
73	14.87	4	1.91	0.51	62.35
74	15.28	4	1.91	0.51	20.87
75	14.31	4	1.91	0.51	49.38
76	15.01	4	1.91	0.51	14.62
77	14.11	4	1.91	0.51	79.01

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.44	4	1.91	0.51	30.79
79	13.88	4	1.91	0.51	53.09
80	14.98	4	1.91	0.51	15.39
81	13.88	4	1.91	0.51	41.35
82	17.32	4	1.96	0.44	37.37
83	12.45	4	1.96	0.44	65.79
84	14.72	4	1.96	0.44	58.81
85	13.19	4	1.96	0.44	53.43
86	14.09	4	1.96	0.44	76.58
87	14.45	4	1.96	0.44	33.08
88	14.21	4	1.96	0.44	74.22
89	14.91	4	1.96	0.44	41.01
90	13.93	4	1.96	0.44	88.14
91	13.15	4	1.96	0.44	88.83
92	13.57	4	1.96	0.44	54.56
93	15.05	4	1.96	0.44	60.23
94	12.78	4	1.79	0.44	85.85
95	13.52	4	1.83	0.43	54.75
96	14.68	4	1.83	0.43	58.55
97	13.00	4	1.83	0.43	52.20
98	14.77	4	1.83	0.43	28.78
99	13.76	4	1.83	0.43	87.94
100	14.78	4	1.83	0.43	40.61
101	14.29	4	1.83	0.43	63.37
102	13.41	4	1.78	0.59	57.45
103	14.50	4	1.78	0.59	19.32
104	13.49	4	1.78	0.59	61.97
105	14.54	4	1.78	0.59	59.90
106	15.16	4	1.78	0.59	53.68
107	14.36	4	1.78	0.59	85.89
108	14.37	4	1.78	0.59	74.25
109	14.22	4	1.78	0.59	77.86
110	14.34	4	1.78	0.59	47.45
111	10.94	4	1.97	0.45	69.62
112	16.63	4	1.97	0.45	35.75
113	14.58	4	1.97	0.45	40.82
114	14.09	4	1.97	0.45	47.66
115	13.66	4	1.87	0.39	67.07
116	13.68	4	1.87	0.39	16.82
117	14.06	4	1.87	0.39	40.87

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.50	4	1.87	0.39	86.34
119	13.96	4	1.87	0.39	51.60
120	14.70	4	1.87	0.39	80.12
121	12.89	4	1.87	0.39	77.09
122	12.49	4	1.87	0.39	56.56
123	13.92	4	1.87	0.39	41.52
124	14.99	4	1.87	0.39	79.19
125	14.84	4	1.87	0.39	19.23
126	12.64	4	1.87	0.39	70.46

Mean Dpar	= 1.88	Std. Dev. (um)	= 1.47
Mean Dper	= 0.44	Skewness	= -1.87
Mean length (um)	= 14.06+/- 0.13	Kurtosis	= 6.78

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.46	4	2.00	0.54	21.59
2	16.00	4	2.00	0.54	31.55
3	12.27	4	2.00	0.54	68.83
4	14.32	4	2.00	0.54	79.15
5	16.06	4	2.00	0.54	59.70
6	12.14	4	2.00	0.54	32.86
7	15.21	4	1.91	0.56	18.74
8	10.28	4	1.91	0.56	72.44
9	13.35	4	1.91	0.56	56.11
10	12.72	4	1.91	0.56	74.12
11	14.07	4	1.91	0.56	67.99
12	11.62	4	1.91	0.56	85.59
13	15.07	4	1.91	0.56	51.79
14	15.36	4	1.91	0.56	42.14
15	12.93	4	1.91	0.56	56.86
16	14.65	4	1.91	0.56	44.91
17	13.70	4	1.91	0.56	77.86
18	14.24	4	1.91	0.56	69.47
19	14.19	4	1.91	0.56	37.38
20	12.86	4	1.94	0.31	41.24
21	14.21	4	1.94	0.31	60.93
22	14.54	4	1.94	0.31	42.09
23	14.69	4	1.94	0.31	49.07
24	14.28	4	1.94	0.31	60.69
25	13.52	4	1.94	0.31	57.43
26	15.09	4	1.94	0.31	22.78
27	14.90	4	1.94	0.31	41.58
28	14.35	4	2.05	0.24	72.99
29	12.66	4	2.05	0.24	62.86
30	13.51	4	2.05	0.24	73.75
31	14.65	4	2.05	0.24	80.55
32	13.21	4	2.05	0.24	54.97
33	12.76	4	2.05	0.24	60.10
34	8.55	4	2.05	0.24	81.28
35	12.83	4	2.05	0.24	61.75
36	14.92	4	2.05	0.24	81.65
37	14.42	4	1.60	0.54	32.44
38	14.48	4	1.60	0.54	69.38

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
39	14.03	4	1.60	0.54	16.93
40	15.08	4	1.81	0.38	84.02
41	14.93	4	1.96	0.28	78.40
42	13.68	4	1.96	0.28	54.91
43	14.00	4	1.96	0.28	24.48
44	15.79	4	1.96	0.28	14.33
45	15.42	1	1.58	0.20	56.68
46	13.86	4	1.86	0.39	70.68
47	14.32	4	1.86	0.39	68.59
48	13.62	4	1.86	0.39	75.80
49	13.83	4	1.86	0.39	70.75
50	14.61	4	1.86	0.39	63.75
51	12.97	4	1.86	0.39	81.65
52	12.38	4	1.86	0.39	56.67
53	12.50	4	1.86	0.39	40.72
54	14.97	4	1.86	0.39	52.34
55	13.78	4	1.86	0.39	70.31
56	16.24	4	1.91	0.48	30.38
57	10.26	4	1.91	0.48	74.98
58	14.23	4	1.91	0.48	54.34
59	13.96	4	1.92	0.28	89.55
60	13.10	4	1.92	0.28	79.12
61	13.86	4	1.92	0.28	77.34
62	13.15	4	1.92	0.28	71.91
63	14.98	4	1.92	0.28	89.33
64	15.27	4	1.92	0.28	51.75
65	15.13	4	1.92	0.28	23.12
66	14.84	4	1.92	0.28	9.75
67	14.04	4	1.92	0.28	85.00
68	16.89	4	1.92	0.28	26.78
69	13.84	4	1.92	0.28	64.19
70	12.86	4	1.92	0.28	54.67
71	14.62	4	1.63	0.42	53.77
72	16.29	4	1.63	0.42	84.88
73	13.10	4	1.63	0.42	80.34
74	13.53	4	1.63	0.42	46.66
75	13.51	4	1.63	0.42	25.86
76	15.40	4	1.63	0.42	19.72
77	14.35	4	1.63	0.42	53.28
78	15.55	2	1.45	0.43	53.15

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
79	14.47	2	1.45	0.43	66.30
80	13.76	2	1.45	0.43	89.02
81	12.56	4	1.98	0.29	88.72
82	8.84	4	1.98	0.29	74.19
83	14.00	4	1.98	0.29	43.24
84	13.34	4	1.98	0.29	87.24
85	14.12	4	1.98	0.29	70.48
86	13.24	4	1.98	0.29	74.32
87	15.21	4	1.98	0.29	25.94
88	14.00	4	1.98	0.29	43.74
89	13.83	4	1.98	0.29	37.31
90	13.25	4	1.98	0.29	73.03
91	14.15	4	1.98	0.29	26.54
92	13.80	4	1.98	0.29	32.42
93	15.48	4	1.98	0.29	55.22
94	14.80	4	1.84	0.25	45.64
95	14.41	4	1.84	0.25	37.18
96	13.65	4	1.84	0.25	56.98
97	11.97	4	1.84	0.25	87.84
98	13.57	4	1.84	0.25	14.26
99	13.08	4	1.84	0.25	78.03
100	15.40	4	1.84	0.25	21.48
101	13.42	4	1.84	0.25	76.33
102	15.33	4	1.64	0.39	19.06
103	14.07	4	1.64	0.39	83.32
104	15.44	4	1.64	0.39	50.15
105	13.40	4	1.64	0.39	51.50
106	14.35	4	1.87	0.35	81.81
107	13.10	4	1.87	0.35	76.45
108	15.00	4	1.87	0.35	34.55
109	13.46	4	1.87	0.35	64.86
110	12.71	4	1.87	0.35	31.66
111	14.78	4	1.87	0.35	38.40
112	7.42	4	1.74	0.49	76.31
113	15.63	4	1.74	0.49	54.00
114	15.05	4	1.74	0.49	60.50
115	14.01	4	1.74	0.49	45.39
116	14.78	4	1.74	0.49	71.75
117	15.79	4	1.78	0.42	45.49
118	14.45	4	1.78	0.42	58.66

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
119	13.91	4	2.11	0.44	58.97
120	14.02	4	2.11	0.44	39.73
121	15.87	4	2.11	0.44	63.96
122	13.04	4	2.11	0.44	41.51
123	14.09	4	2.11	0.44	57.13
124	12.71	4	1.88	0.44	80.34
125	14.57	4	1.86	0.31	48.04
126	14.62	4	1.86	0.31	85.01
127	14.66	4	1.86	0.31	19.60
128	12.88	4	1.86	0.31	74.86
129	14.43	4	1.86	0.31	83.54
130	13.34	4	1.86	0.31	43.57
131	14.68	4	1.86	0.31	44.78
132	13.42	4	1.86	0.31	57.02

Mean Dpar	= 1.88	Std. Dev. (um)	= 1.41
Mean Dper	= 0.37	Skewness	= -1.60
Mean length (um)	= 13.96+/- 0.12	Kurtosis	= 4.95

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.44	4	1.88	0.44	39.06
2	13.35	4	1.88	0.44	46.82
3	11.91	4	1.88	0.44	63.98
4	14.21	4	1.88	0.44	16.69
5	14.16	4	1.85	0.45	60.06
6	13.62	4	1.85	0.45	75.91
7	14.36	4	1.85	0.45	76.65
8	13.74	4	1.85	0.45	46.89
9	14.33	4	1.85	0.45	30.89
10	13.43	4	1.85	0.45	61.63
11	14.53	4	1.85	0.45	28.77
12	13.90	4	1.85	0.45	26.25
13	15.73	4	1.87	0.42	27.26
14	14.49	4	1.87	0.42	61.06
15	14.61	4	1.85	0.56	79.66
16	12.51	4	1.85	0.56	64.25
17	13.27	4	1.86	0.42	64.58
18	14.59	4	1.86	0.42	77.61
19	14.38	4	1.86	0.42	81.47
20	14.88	4	1.86	0.42	49.61
21	15.99	4	1.73	0.37	75.47
22	13.81	4	1.73	0.37	58.31
23	14.94	4	1.79	0.30	40.09
24	13.97	4	1.79	0.30	55.12
25	12.54	4	1.79	0.30	73.27
26	14.03	4	1.79	0.30	33.45
27	13.37	4	2.14	0.51	63.70
28	13.94	4	2.14	0.51	69.55
29	14.76	4	2.14	0.51	54.43
30	14.20	4	2.14	0.51	55.88
31	14.69	4	1.96	0.37	55.37
32	16.46	4	1.96	0.37	68.23
33	15.11	4	1.96	0.37	78.09
34	16.25	4	1.96	0.37	22.43
35	15.41	4	1.96	0.37	58.54
36	14.26	4	1.96	0.37	64.33
37	15.56	4	1.96	0.37	28.40

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.15	4	1.96	0.37	84.55
39	13.88	4	1.96	0.37	68.73
40	15.83	4	1.96	0.37	37.26
41	15.51	4	1.96	0.37	83.49
42	15.65	4	1.96	0.37	26.32
43	13.95	4	1.96	0.37	66.60
44	14.45	4	1.96	0.37	87.17
45	14.02	4	1.96	0.37	64.78
46	14.09	2	2.27	0.48	59.11
47	13.70	2	2.27	0.48	33.79
48	14.63	2	2.27	0.48	62.82
49	14.37	2	2.27	0.48	64.64
50	15.58	2	2.27	0.48	61.20
51	15.11	2	2.27	0.48	17.95
52	14.08	2	2.27	0.48	49.94
53	15.71	2	2.27	0.48	64.08
54	15.52	4	1.98	0.26	41.00
55	13.42	4	1.98	0.26	83.41
56	13.50	4	1.98	0.26	87.73
57	13.22	4	1.98	0.26	50.91
58	16.54	4	1.98	0.26	41.99
59	14.08	4	1.98	0.26	81.93
60	14.38	4	2.03	0.45	57.59
61	15.52	4	2.03	0.45	51.18
62	15.25	4	2.03	0.45	38.97
63	16.45	4	2.03	0.45	20.62
64	14.00	4	2.03	0.45	69.05
65	15.26	4	2.03	0.45	51.39
66	15.20	4	2.03	0.45	39.41
67	14.96	4	2.03	0.45	57.68
68	14.03	4	2.03	0.45	68.11
69	15.11	4	2.03	0.45	69.15
70	14.73	4	2.03	0.45	37.37
71	13.60	4	2.03	0.45	78.16
72	14.48	4	2.03	0.45	75.73
73	13.62	4	2.03	0.45	38.56
74	13.55	4	2.03	0.45	34.26
75	16.59	4	2.03	0.44	45.08
76	12.28	4	2.03	0.44	63.24
77	15.69	4	2.03	0.44	18.84

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.79	4	2.03	0.44	62.01
79	14.08	4	2.03	0.44	63.50
80	14.23	4	2.03	0.44	79.85
81	14.15	4	2.03	0.44	70.70
82	15.33	4	2.03	0.44	23.04
83	12.89	4	1.67	0.54	47.53
84	15.36	4	1.67	0.54	22.28
85	13.77	4	1.98	0.48	84.72
86	12.65	4	1.98	0.48	65.05
87	13.67	4	1.98	0.48	72.80
88	14.03	4	1.98	0.48	80.02
89	15.46	4	1.98	0.48	39.33
90	13.73	4	1.98	0.48	55.36
91	14.37	4	1.98	0.48	77.68
92	14.50	4	2.06	0.44	41.30
93	14.69	4	1.78	0.28	6.14
94	13.80	4	1.65	0.25	80.72
95	13.26	4	1.65	0.25	63.32
96	13.44	4	1.65	0.25	89.05
97	13.75	4	1.65	0.25	43.63
98	15.90	4	1.65	0.25	87.12
99	12.79	4	1.65	0.25	55.97
100	14.03	4	1.65	0.25	64.14
101	15.13	4	1.98	0.24	48.31
102	14.19	4	1.98	0.24	66.37
103	14.85	4	1.98	0.24	55.65
104	14.07	4	1.98	0.24	74.29
105	13.36	2	2.10	0.33	70.75
106	14.01	2	2.10	0.33	76.80
107	15.34	4	2.06	0.29	89.77
108	14.81	4	2.06	0.29	35.64
109	13.41	4	2.06	0.29	71.01
110	12.18	4	2.06	0.29	59.28
111	9.96	4	2.06	0.29	73.63
112	16.72	4	2.06	0.29	35.19
113	16.18	4	2.06	0.29	18.23
114	15.07	4	2.06	0.29	74.91
115	15.71	4	2.06	0.29	41.16
116	12.05	4	2.06	0.29	67.14
117	13.32	4	2.06	0.29	83.91

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.12	4	2.06	0.29	26.45
119	13.92	4	2.06	0.29	75.20
120	14.57	4	2.06	0.29	51.84
121	17.01	4	2.06	0.29	52.77
122	15.08	4	2.19	0.21	27.44
123	13.78	4	2.19	0.21	87.72
124	12.59	4	2.19	0.21	84.26
125	12.90	4	2.19	0.21	79.23
126	14.85	4	2.19	0.21	24.17
127	14.16	4	2.19	0.21	49.61

Mean Dpar	= 1.98	Std. Dev. (um)	= 1.12
Mean Dper	= 0.38	Skewness	= -0.30
Mean length (um)	= 14.35+/- 0.10	Kurtosis	= 1.03

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	7.75	4	1.79	0.33	54.84
2	13.73	4	1.79	0.33	61.48
3	15.17	4	1.73	0.43	12.94
4	13.82	4	1.86	0.44	48.93
5	13.11	4	1.86	0.44	81.94
6	14.05	4	1.86	0.44	52.58
7	15.18	4	1.66	0.37	45.22
8	13.42	4	1.66	0.37	70.79
9	15.94	4	1.83	0.68	30.00
10	15.16	4	1.83	0.68	30.56
11	14.15	4	1.83	0.68	73.14
12	16.12	4	1.83	0.68	42.50
13	4.73	4	1.83	0.68	57.57
14	15.12	4	2.01	0.37	82.92
15	13.49	4	2.01	0.37	67.71
16	14.32	4	2.10	0.66	58.11
17	13.60	4	2.10	0.66	60.10
18	13.94	4	2.10	0.66	58.92
19	15.55	4	2.10	0.66	18.05
20	15.23	4	2.10	0.66	41.00
21	15.02	4	2.10	0.66	29.92
22	13.86	4	2.10	0.66	26.18
23	14.35	4	2.10	0.66	57.69
24	13.63	4	2.10	0.66	78.71
25	14.77	4	2.10	0.66	62.16
26	14.10	4	1.78	0.40	42.60
27	14.53	4	1.78	0.40	85.74
28	14.13	4	1.78	0.40	54.31
29	14.44	4	1.78	0.40	48.42
30	13.27	4	1.86	0.44	80.41
31	13.71	4	2.24	0.56	57.51
32	13.55	4	2.24	0.56	80.96
33	12.52	4	2.24	0.56	42.49
34	13.66	4	2.06	0.66	74.42
35	13.31	4	1.79	0.47	82.06
36	12.96	4	1.79	0.47	31.90
37	12.46	2	2.45	0.62	56.07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	16.73	2	2.45	0.62	55.37
39	13.40	2	2.45	0.62	83.24
40	14.11	4	2.47	0.91	68.71
41	15.79	4	2.47	0.91	65.00
42	13.54	4	2.47	0.91	11.78
43	11.98	4	2.47	0.91	88.55
44	16.08	4	2.47	0.91	36.61
45	14.08	4	2.47	0.91	82.30
46	14.64	4	2.36	0.65	73.90
47	12.83	4	2.36	0.65	23.68
48	14.92	4	2.63	0.77	77.70
49	13.67	4	2.63	0.77	45.96
50	13.18	4	2.63	0.77	86.33
51	15.77	4	2.97	1.13	69.81
52	13.19	4	2.97	1.13	30.88
53	16.34	4	2.97	1.13	27.04
54	15.35	4	2.97	1.13	61.83
55	15.14	4	2.19	0.44	20.38
56	9.35	4	2.19	0.44	4.31
57	7.31	4	2.19	0.44	70.66
58	12.20	4	2.19	0.44	25.35
59	9.19	4	2.19	0.44	0.00
60	11.09	4	2.19	0.44	70.93
61	12.44	4	2.11	0.29	72.83
62	12.81	4	2.11	0.29	62.46
63	14.65	4	2.11	0.29	37.36
64	13.10	1	2.57	0.62	68.55
65	15.11	1	2.57	0.62	6.84
66	11.06	4	2.21	0.44	75.40
67	14.01	2	1.99	0.40	76.34
68	15.40	1	1.66	0.48	61.03
69	14.12	4	1.85	0.77	15.16
70	13.14	4	1.85	0.77	36.71
71	13.78	4	2.58	0.45	78.04
72	14.73	4	2.58	0.45	72.06
73	14.06	4	2.58	0.45	76.30
74	14.21	4	2.58	0.45	12.49
75	14.52	4	2.87	0.71	73.02
76	14.56	4	2.87	0.71	45.71
77	13.40	2	1.76	0.37	38.03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.76	2	1.76	0.37	58.01
79	9.28	2	1.76	0.37	75.44
80	14.08	2	1.76	0.37	35.45
81	13.37	4	1.85	0.52	80.85
82	11.39	4	1.85	0.52	70.04
83	13.12	4	1.85	0.52	28.61
84	13.39	4	1.85	0.52	84.09
85	15.11	4	1.93	0.54	65.37
86	12.69	4	1.93	0.54	60.02
87	12.69	4	1.93	0.54	16.23
88	15.15	4	1.93	0.54	22.08
89	12.82	4	1.93	0.54	77.47
90	13.69	4	1.98	0.40	53.44
91	13.66	4	1.98	0.40	60.40
92	12.65	4	1.98	0.40	83.93
93	12.94	4	1.98	0.40	77.03
94	16.00	4	1.98	0.40	44.68
95	13.74	4	1.98	0.40	49.61
96	15.97	4	1.98	0.40	50.12
97	13.23	2	1.81	0.30	59.58
98	15.67	4	1.96	0.25	62.74
99	6.57	4	1.60	0.54	47.35
100	13.73	4	1.88	0.30	41.71
101	15.38	4	1.88	0.30	63.22
102	14.35	4	1.88	0.30	17.67
103	13.87	4	1.88	0.30	39.85
104	12.07	4	1.68	0.43	67.02
105	14.00	4	1.68	0.43	47.90
106	14.16	4	1.94	0.66	8.96
107	13.84	4	1.94	0.66	42.32
108	13.94	2	1.94	0.44	41.85
109	12.97	2	1.94	0.44	67.33
110	15.85	2	1.94	0.44	77.39
111	13.11	2	1.94	0.44	29.40
112	13.68	2	1.94	0.44	66.75
113	12.42	2	1.94	0.44	68.11
114	12.79	2	1.94	0.44	67.62
115	12.80	2	1.94	0.44	78.32
116	11.48	4	2.04	0.30	74.44
117	13.32	4	2.04	0.30	34.07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.34	4	2.04	0.30	51.75
119	14.47	4	2.31	0.84	69.56
120	14.47	4	2.31	0.84	56.73
121	13.63	4	2.31	0.84	54.60
122	13.86	4	2.31	0.84	37.03
123	14.65	4	2.31	0.84	65.86
124	14.39	4	2.31	0.84	58.24

Mean Dpar	= 2.10	Std. Dev. (um)	= 1.85
Mean Dper	= 0.55	Skewness	= -2.00
Mean length (um)	= 13.61+/- 0.17	Kurtosis	= 5.96

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	16.03	4	1.78	0.35	75.52
2	14.26	4	1.78	0.35	49.96
3	15.84	1	1.76	0.49	36.14
4	11.59	4	2.01	0.48	43.95
5	12.90	4	2.01	0.48	67.55
6	13.55	4	2.01	0.48	84.45
7	13.80	4	2.01	0.48	85.42
8	14.05	4	2.01	0.48	57.89
9	14.66	4	2.01	0.48	43.06
10	13.32	4	2.01	0.48	66.44
11	13.32	4	2.01	0.48	29.55
12	14.77	2	1.50	0.51	20.85
13	12.33	2	1.50	0.51	29.46
14	14.64	2	1.50	0.51	39.17
15	14.80	2	2.33	0.67	89.83
16	14.63	2	2.33	0.67	78.26
17	15.48	2	2.33	0.67	63.77
18	14.63	2	2.33	0.67	29.98
19	12.19	2	2.33	0.67	41.26
20	13.24	2	2.33	0.67	56.66
21	14.49	2	2.33	0.67	43.27
22	13.87	4	2.17	0.90	47.88
23	10.83	4	1.59	0.28	42.42
24	14.90	4	1.59	0.28	78.44
25	10.72	4	2.00	0.42	49.30
26	11.80	4	2.00	0.42	58.04
27	13.51	4	2.00	0.42	64.02
28	15.09	4	2.00	0.42	71.58
29	13.85	4	2.00	0.42	80.61
30	11.44	4	1.94	0.59	71.29
31	13.73	4	1.94	0.59	80.21
32	13.77	4	1.94	0.59	86.21
33	14.81	4	1.92	0.54	39.79
34	15.60	4	1.92	0.54	30.63
35	15.32	4	1.92	0.54	22.87
36	15.19	4	1.92	0.54	64.63
37	14.80	4	1.92	0.54	44.28

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	12.64	4	1.92	0.54	68.78
39	14.14	4	1.92	0.54	4.92
40	14.76	4	1.86	0.40	77.17
41	14.81	4	1.86	0.40	41.19
42	15.52	4	1.86	0.40	78.32
43	14.73	4	1.86	0.40	75.10
44	14.59	4	1.86	0.40	74.69
45	13.78	4	1.64	0.45	79.68
46	14.10	4	1.64	0.45	65.91
47	16.55	4	2.03	0.66	89.51
48	13.14	4	2.03	0.66	22.32
49	12.59	4	1.86	0.62	46.22
50	14.77	4	1.86	0.62	25.77
51	12.81	4	1.86	0.62	51.70
52	14.09	4	2.43	0.95	88.67
53	12.86	2	1.87	0.59	56.38
54	14.93	2	1.87	0.59	76.14
55	10.12	2	1.87	0.59	46.34
56	14.71	2	1.87	0.59	48.01
57	14.85	2	1.87	0.59	42.60
58	13.43	4	2.04	0.34	66.02
59	15.63	4	2.04	0.34	82.97
60	14.71	4	2.04	0.34	24.77
61	12.04	4	2.04	0.34	57.10
62	15.39	4	1.99	0.58	51.21
63	15.47	4	1.99	0.58	83.08
64	10.51	4	1.99	0.58	39.96
65	13.82	4	1.99	0.58	77.08
66	14.57	4	1.99	0.58	40.12
67	15.29	4	1.99	0.58	72.92
68	13.30	4	1.99	0.58	41.83
69	16.03	4	1.99	0.58	74.32
70	13.73	4	1.99	0.58	66.94
71	13.31	4	1.99	0.58	38.18
72	15.50	4	1.99	0.58	55.69
73	8.93	4	1.99	0.58	67.06
74	15.27	4	1.99	0.58	39.51
75	13.64	4	1.99	0.58	42.37
76	11.26	4	2.26	0.78	86.76
77	11.71	4	2.26	0.78	74.31

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	11.77	4	2.26	0.78	73.46
79	15.69	4	2.26	0.78	42.89
80	13.96	4	2.38	0.75	67.38
81	14.35	4	2.38	0.75	76.82
82	13.97	4	2.38	0.75	14.02
83	14.25	4	2.38	0.75	36.87
84	14.52	4	2.38	0.75	56.81
85	13.44	4	2.38	0.75	39.87
86	14.39	4	2.38	0.75	59.69
87	14.66	4	2.94	1.38	29.96
88	14.66	4	2.94	1.38	52.89
89	14.36	4	2.94	1.38	58.51
90	14.07	4	2.25	0.84	85.65
91	13.72	4	2.25	0.84	26.40
92	13.58	4	2.25	0.84	58.42
93	13.49	4	2.25	0.84	43.60
94	15.05	4	2.32	0.92	47.83
95	13.04	4	2.32	0.92	84.09
96	15.77	2	2.36	0.62	54.32
97	14.23	4	1.83	0.44	75.53
98	12.36	4	1.83	0.44	79.97
99	13.83	4	1.83	0.44	33.60
100	11.40	4	1.83	0.44	44.24
101	14.53	4	1.83	0.44	53.63
102	16.84	4	1.83	0.44	75.73
103	13.61	4	1.97	0.54	76.20
104	14.48	4	1.97	0.54	83.79
105	15.53	4	1.97	0.54	88.18
106	10.67	4	1.97	0.54	70.89
107	12.95	4	1.97	0.54	71.22
108	12.77	3	1.74	0.57	50.10
109	15.25	3	1.74	0.57	46.15
110	15.58	4	1.86	0.52	57.94
111	14.35	4	1.86	0.52	15.72
112	12.66	4	1.86	0.52	69.98
113	13.17	4	1.86	0.52	53.67
114	13.35	4	1.94	0.59	77.09
115	13.61	4	1.94	0.59	80.75
116	14.57	4	1.94	0.59	51.59
117	14.18	4	1.94	0.59	70.03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.05	4	1.94	0.59	36.16
119	13.33	4	1.94	0.59	54.84
120	14.03	4	1.94	0.59	64.85
121	12.54	4	1.94	0.59	52.20
122	13.84	4	1.72	0.56	89.40
123	13.34	4	1.72	0.56	68.93
124	15.28	4	1.72	0.56	25.26
125	12.29	4	1.72	0.56	82.13
126	12.74	4	1.72	0.56	26.34
127	11.75	4	1.72	0.56	44.66
128	14.08	4	1.72	0.56	44.30
129	9.49	4	1.72	0.56	86.27
130	9.53	4	1.58	0.37	52.66
131	14.71	4	1.58	0.37	76.00
132	14.18	4	1.58	0.37	41.99
133	14.30	4	1.96	0.68	69.70
134	13.65	4	1.81	0.59	88.36
135	14.35	4	1.81	0.59	26.43
136	15.05	4	2.11	0.62	58.32
137	15.78	4	2.11	0.62	33.12
138	14.20	4	2.11	0.62	74.05
139	14.57	4	2.11	0.62	56.98
140	15.66	4	2.11	0.62	37.08
141	13.30	4	2.11	0.62	70.75
142	14.92	4	2.46	0.81	78.74
143	13.48	4	2.46	0.81	82.26
144	10.06	4	2.46	0.81	67.86
145	14.80	4	2.46	0.81	75.40
146	14.39	4	2.46	0.81	43.58
147	15.58	4	2.46	0.81	58.82
148	14.54	4	2.46	0.81	40.44
149	15.27	4	1.88	0.37	42.18
150	15.17	4	1.88	0.37	57.84
151	15.38	4	1.88	0.37	75.44
152	12.92	4	1.88	0.37	13.78
153	13.38	4	2.27	0.90	77.24
154	12.40	4	2.27	0.90	47.81
155	12.23	4	2.27	0.90	53.51
156	15.28	4	2.27	0.90	88.89
157	14.00	4	2.27	0.90	64.49

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	12.96	3	1.81	0.42	85.13
159	13.68	3	1.81	0.42	64.23
160	14.56	4	1.97	0.72	79.11
161	14.68	4	1.97	0.72	45.72
162	15.38	4	1.78	0.51	61.72
163	15.42	4	1.78	0.51	47.23
164	14.78	4	1.78	0.51	51.85
165	14.22	4	1.78	0.51	48.51
166	15.84	4	1.78	0.51	22.28
167	16.38	4	1.99	0.33	66.83
168	13.54	4	1.99	0.33	17.55
169	14.72	4	1.99	0.33	21.71
170	17.21	4	1.99	0.33	49.15
171	14.95	4	1.77	0.38	53.88
172	13.77	4	1.77	0.38	49.05
173	12.63	4	1.77	0.38	81.03
174	13.44	4	1.77	0.38	60.25
175	12.43	4	1.77	0.38	51.32
176	14.19	4	1.77	0.38	51.17
177	12.05	4	1.77	0.38	40.33
178	14.41	4	1.77	0.38	75.93
179	16.64	4	1.96	0.33	42.28
180	15.29	4	1.96	0.33	38.78
181	15.01	4	1.96	0.33	70.74
182	14.86	4	1.96	0.33	26.55
183	16.27	4	1.96	0.33	77.62
184	15.21	4	1.96	0.33	67.65
185	15.05	4	1.96	0.33	32.80
186	14.36	4	2.99	0.70	75.00
187	14.29	4	1.68	0.52	63.42
188	13.54	4	1.68	0.52	72.18
189	14.50	4	1.68	0.52	57.71
190	14.41	4	1.93	0.58	63.15
191	7.21	4	1.93	0.58	73.81
192	14.42	4	1.93	0.58	38.01
193	13.49	4	2.12	0.33	69.63
194	13.49	4	2.12	0.33	47.30
195	14.97	4	2.39	0.85	55.40
196	14.89	4	2.39	0.85	73.90
197	14.05	4	2.39	0.85	40.90

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	13.85	4	1.87	0.54	37.88
199	13.64	4	1.87	0.54	72.81
200	12.42	4	1.87	0.54	40.59
201	12.24	4	1.87	0.54	32.96
202	14.48	4	1.87	0.54	34.63
203	15.13	4	1.87	0.54	64.85
204	13.46	4	1.87	0.54	61.74
205	14.49	4	1.87	0.54	53.84
206	12.11	4	1.87	0.54	59.46
207	13.12	4	1.87	0.54	32.48

Mean Dpar	= 2.00	Std. Dev. (um)	= 1.48
Mean Dper	= 0.57	Skewness	= -1.13
Mean length (um)	= 13.93+/- 0.10	Kurtosis	= 2.38

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497-43

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	12.84	4	1.68	0.26	65.38
2	13.14	4	1.68	0.26	68.22
3	13.16	4	2.08	0.89	68.45
4	13.67	4	2.20	0.58	79.98
5	16.83	4	1.97	0.63	57.82
6	15.28	4	1.97	0.63	38.74
7	12.27	4	1.97	0.63	65.13
8	15.95	4	1.97	0.63	51.72
9	14.44	4	1.97	0.63	0.13
10	15.58	4	1.97	0.63	77.88
11	13.50	4	2.94	0.82	68.09
12	13.66	4	2.94	0.82	69.38
13	13.79	4	2.94	0.82	49.93
14	12.61	4	2.94	0.82	51.67
15	12.77	4	2.94	0.82	76.18
16	13.67	4	2.94	0.82	50.58
17	13.96	4	2.94	0.82	63.70
18	14.23	4	2.94	0.82	74.57
19	14.22	4	2.94	0.82	39.47
20	14.71	4	2.94	0.82	50.00
21	15.83	4	2.94	0.82	57.61
22	16.03	4	2.76	0.84	41.29
23	13.96	4	2.76	0.84	65.69
24	15.31	4	2.76	0.84	49.06
25	15.47	4	2.76	0.84	16.44
26	14.69	4	2.76	0.84	17.55
27	16.49	4	2.76	0.84	43.66
28	15.14	4	1.83	0.57	83.31
29	13.97	4	1.83	0.57	41.82
30	15.66	4	1.83	0.57	71.45
31	16.20	4	2.21	0.42	66.93
32	14.11	4	2.21	0.42	59.11
33	13.34	4	2.19	0.49	88.41
34	15.18	4	2.19	0.49	48.97
35	13.35	4	2.19	0.49	71.43
36	13.42	1	2.11	0.09	43.02
37	12.60	1	2.11	0.09	82.93

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.16	1	2.11	0.09	81.23
39	13.49	4	2.05	0.81	47.96
40	15.08	4	2.05	0.81	85.55
41	15.62	4	1.94	0.39	42.44
42	14.09	4	1.94	0.39	37.41
43	16.16	4	1.67	0.43	27.19
44	14.77	4	1.67	0.43	25.15
45	13.96	4	2.20	0.99	58.11
46	14.90	4	2.20	0.99	87.90
47	15.58	4	2.20	0.99	65.82
48	11.08	4	2.20	0.99	53.17
49	13.76	4	2.20	0.99	28.02
50	13.28	4	3.20	1.42	66.92
51	12.60	4	3.20	1.42	48.07
52	14.62	4	3.20	1.42	70.17
53	13.34	4	1.63	0.35	60.11
54	15.31	4	1.97	0.54	75.90
55	12.62	4	1.97	0.54	37.19
56	14.17	4	1.97	0.54	37.38
57	13.73	4	2.00	0.53	71.73
58	13.23	4	2.00	0.53	72.90
59	13.81	4	2.00	0.53	5.95
60	16.06	4	2.00	0.53	39.16
61	13.77	4	2.00	0.53	56.53
62	13.51	2	2.16	0.78	28.51
63	14.68	4	1.78	0.39	82.20
64	15.12	1	1.87	0.57	53.58
65	14.03	1	1.87	0.57	65.46
66	13.84	1	1.87	0.57	81.69
67	15.79	4	2.73	0.96	22.52
68	17.17	4	2.73	0.96	51.31
69	14.06	4	2.73	0.96	41.20
70	14.45	4	2.73	0.96	18.40
71	15.54	1	1.76	0.49	36.14
72	12.59	4	2.01	0.48	43.95
73	12.90	4	2.01	0.48	67.55
74	13.55	4	2.01	0.48	84.45
75	13.80	4	2.01	0.48	85.42
76	14.05	4	2.01	0.48	57.89
77	14.66	4	2.01	0.48	43.06

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.32	4	2.01	0.48	66.44
79	13.32	4	2.01	0.48	29.55
80	14.77	2	1.50	0.51	20.85
81	12.33	2	1.50	0.51	29.46
82	14.64	2	1.50	0.51	39.17
83	14.80	2	2.33	0.67	89.83
84	14.63	2	2.33	0.67	78.26
85	15.48	2	2.33	0.67	63.77
86	14.63	2	2.33	0.67	29.98
87	12.19	2	2.33	0.67	41.26
88	13.24	2	2.33	0.67	56.66
89	14.49	2	2.33	0.67	43.27
90	13.87	4	2.17	0.90	47.88
91	10.83	4	1.59	0.28	42.42
92	14.90	4	1.59	0.28	78.44
93	10.72	4	2.00	0.42	49.30
94	11.80	4	2.00	0.42	58.04
95	13.51	4	2.00	0.42	64.02
96	15.09	4	2.00	0.42	71.58
97	13.85	4	2.00	0.42	80.61
98	11.44	4	1.94	0.59	71.29
99	13.73	4	1.94	0.59	80.21
100	13.77	4	1.94	0.59	86.21
101	14.81	4	1.92	0.54	39.79
102	15.60	4	1.92	0.54	30.63
103	15.32	4	1.92	0.54	22.87
104	15.19	4	1.92	0.54	64.63
105	14.80	4	1.92	0.54	44.28
106	12.64	4	1.92	0.54	68.78
107	14.14	4	1.92	0.54	4.92
108	14.76	4	1.86	0.40	77.17
109	14.81	4	1.86	0.40	41.19
110	15.52	4	1.86	0.40	78.32
111	14.73	4	1.86	0.40	75.10
112	14.59	4	1.86	0.40	74.69
113	13.78	4	1.64	0.45	79.68
114	14.10	4	1.64	0.45	65.91
115	16.55	4	2.03	0.66	89.51
116	13.14	4	2.03	0.66	22.32
117	12.59	4	1.86	0.62	46.22

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.77	4	1.86	0.62	25.77
119	12.81	4	1.86	0.62	51.70
120	14.09	4	2.43	0.95	88.67
121	12.86	2	1.87	0.59	56.38
122	14.93	2	1.87	0.59	76.14
123	10.12	2	1.87	0.59	46.34
124	14.71	2	1.87	0.59	48.01
125	14.85	2	1.87	0.59	42.60
126	13.43	4	2.04	0.34	66.02
127	15.63	4	2.04	0.34	82.97
128	14.71	4	2.04	0.34	24.77
129	12.04	4	2.04	0.34	57.10
130	15.39	4	1.99	0.58	51.21
131	15.47	4	1.99	0.58	83.08
132	10.51	4	1.99	0.58	39.96
133	13.82	4	1.99	0.58	77.08
134	14.57	4	1.99	0.58	40.12
135	15.29	4	1.99	0.58	72.92
136	13.73	4	1.99	0.58	66.94
137	13.31	4	1.99	0.58	38.18
138	15.50	4	1.99	0.58	55.69
139	8.93	4	1.99	0.58	67.06
140	15.27	4	1.99	0.58	39.51
141	13.64	4	1.99	0.58	42.37
142	11.26	4	2.26	0.78	86.76
143	11.71	4	2.26	0.78	74.31
144	11.77	4	2.26	0.78	73.46
145	15.69	4	2.26	0.78	42.89
146	13.96	4	2.38	0.75	67.38
147	14.35	4	2.38	0.75	76.82
148	13.97	4	2.38	0.75	14.02
149	14.25	4	2.38	0.75	36.87
150	14.52	4	2.38	0.75	56.81
151	13.44	4	2.38	0.75	39.87
152	14.39	4	2.38	0.75	59.69
153	14.66	4	2.94	1.38	29.96
154	14.66	4	2.94	1.38	52.89
155	14.36	4	2.94	1.38	58.51
156	14.07	4	2.25	0.84	85.65
157	13.72	4	2.25	0.84	26.40

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.58	4	2.25	0.84	58.42
159	13.49	4	2.25	0.84	43.60
160	15.05	4	2.32	0.92	47.83
161	13.04	4	2.32	0.92	84.09
162	15.77	2	2.36	0.62	54.32
163	14.23	4	1.83	0.44	75.53
164	12.36	4	1.83	0.44	79.97
165	13.83	4	1.83	0.44	33.60
166	11.40	4	1.83	0.44	44.24
167	14.53	4	1.83	0.44	53.63
168	16.84	4	1.83	0.44	75.73
169	13.61	4	1.97	0.54	76.20
170	14.48	4	1.97	0.54	83.79
171	15.53	4	1.97	0.54	88.18
172	10.67	4	1.97	0.54	70.89
173	12.95	4	1.97	0.54	71.22
174	12.77	3	1.74	0.57	50.10
175	15.25	3	1.74	0.57	46.15
176	15.58	4	1.86	0.52	57.94
177	14.35	4	1.86	0.52	15.72
178	12.66	4	1.86	0.52	69.98
179	13.17	4	1.86	0.52	53.67
180	13.35	4	1.94	0.59	77.09
181	13.61	4	1.94	0.59	80.75
182	14.57	4	1.94	0.59	51.59
183	14.18	4	1.94	0.59	70.03
184	13.05	4	1.94	0.59	36.16
185	13.33	4	1.94	0.59	54.84
186	14.03	4	1.94	0.59	64.85
187	12.54	4	1.94	0.59	52.20
188	13.84	4	1.72	0.56	89.40
189	13.34	4	1.72	0.56	68.93
190	15.28	4	1.72	0.56	25.26
191	12.29	4	1.72	0.56	82.13
192	12.74	4	1.72	0.56	26.34
193	11.75	4	1.72	0.56	44.66
194	14.08	4	1.72	0.56	44.30
195	9.49	4	1.72	0.56	86.27

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
Mean Dpar = 2.11			Std. Dev. (um) = 1.37		
Mean Dper = 0.63			Skewness = -0.68		
Mean length (um) = 13.99+/- 0.10			Kurtosis = 1.01		

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497-44

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.86	4	2.31	0.87	52.87
2	15.01	4	2.31	0.87	76.96
3	13.77	4	2.31	0.87	88.97
4	16.82	4	2.31	0.87	38.77
5	15.11	4	2.31	0.87	56.45
6	13.75	4	2.31	0.87	62.24
7	15.09	4	2.31	0.87	81.40
8	14.35	4	1.60	0.29	57.28
9	14.73	4	1.60	0.29	66.14
10	13.55	4	1.60	0.29	18.90
11	14.46	4	1.60	0.29	45.86
12	14.15	2	1.85	0.44	57.28
13	14.34	2	1.79	0.34	56.57
14	15.55	4	2.34	0.94	51.62
15	13.81	4	2.34	0.94	42.93
16	13.63	4	2.34	0.94	75.45
17	17.17	4	2.34	0.94	14.46
18	14.05	4	2.34	0.94	69.31
19	13.58	4	2.34	0.94	83.92
20	13.04	4	2.34	0.94	74.08
21	15.53	4	2.34	0.94	59.10
22	12.52	4	1.90	0.47	55.54
23	13.63	4	1.90	0.47	24.75
24	10.90	4	1.90	0.47	64.39
25	13.73	4	2.11	0.33	86.60
26	15.66	4	1.81	0.58	57.16
27	14.55	4	1.81	0.58	36.84
28	12.45	4	2.46	0.81	40.30
29	13.62	4	2.46	0.81	73.00
30	12.70	4	2.46	0.81	82.51
31	14.02	4	2.46	0.81	20.26
32	13.85	4	1.76	0.34	22.22
33	11.28	4	1.76	0.34	59.90
34	14.96	4	1.98	0.52	60.37
35	15.32	2	2.14	0.58	62.37
36	10.72	2	1.64	0.34	71.48
37	14.61	1	1.65	0.34	50.19

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.97	4	2.50	0.76	86.50
39	14.53	4	2.38	0.38	61.70
40	13.48	4	2.38	0.38	69.07
41	13.90	4	2.38	0.38	52.05
42	12.66	4	1.85	0.34	35.80
43	12.89	4	1.85	0.34	79.56
44	8.83	4	1.85	0.57	87.70
45	13.79	4	1.85	0.57	36.76
46	12.02	4	1.85	0.57	79.77
47	15.57	4	1.68	0.47	51.77
48	14.18	4	1.68	0.47	18.91
49	14.23	4	2.17	0.40	78.66
50	14.12	4	2.17	0.40	63.18
51	12.73	4	2.17	0.40	69.18
52	14.47	4	2.17	0.40	31.39
53	15.01	4	2.17	0.40	51.66
54	13.97	4	2.17	0.40	72.80
55	14.59	4	2.17	0.40	19.59
56	15.77	2	1.86	0.72	56.26
57	14.35	2	1.86	0.72	81.01
58	12.71	4	1.94	0.33	84.28
59	12.84	4	1.94	0.33	81.28
60	11.87	4	1.94	0.33	43.93
61	14.18	4	2.11	0.44	88.14
62	14.35	4	1.88	0.53	82.92
63	16.04	4	1.88	0.53	55.79
64	13.07	1	1.93	0.19	89.10
65	14.51	1	1.93	0.19	66.93
66	11.66	1	1.93	0.19	84.74
67	15.61	4	2.07	0.92	74.76
68	14.24	4	2.07	0.92	40.26
69	17.14	1	1.91	0.47	73.25
70	14.75	4	2.64	0.71	39.64
71	13.31	4	2.64	0.71	48.66
72	15.75	4	2.64	0.71	62.35
73	14.00	4	2.64	0.71	58.65
74	13.03	4	2.64	0.71	72.18
75	12.41	4	1.67	0.33	54.02
76	14.21	4	1.67	0.33	17.50
77	15.37	4	1.41	0.33	54.01

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.91	4	1.41	0.33	56.11
79	13.87	4	1.41	0.33	61.57
80	13.99	4	1.41	0.33	33.47
81	14.48	4	1.41	0.33	39.27
82	15.65	4	2.67	0.94	67.27
83	15.81	4	2.52	0.54	37.16
84	9.75	4	2.52	0.54	72.05
85	13.25	4	2.52	0.54	44.77
86	14.90	4	2.52	0.54	32.46
87	14.99	4	2.03	0.25	44.11
88	8.04	4	1.59	0.33	48.96
89	14.21	4	2.20	0.65	51.55
90	14.12	4	2.20	0.65	49.69
91	13.04	4	1.63	0.34	67.54
92	13.14	4	1.63	0.34	53.25
93	14.97	4	2.00	0.28	41.41
94	15.24	4	2.00	0.28	46.18
95	13.42	4	2.00	0.28	43.67
96	13.78	4	2.00	0.28	38.50
97	15.33	4	2.00	0.28	47.73
98	14.35	4	2.27	0.68	58.03
99	12.38	4	2.27	0.68	78.28
100	14.88	4	1.81	0.29	51.04
101	13.04	4	1.81	0.29	55.95
102	14.61	4	2.37	0.82	74.39
103	12.74	4	2.37	0.82	28.33
104	15.06	4	2.37	0.82	54.52
105	14.95	4	2.37	0.82	69.91
106	13.90	4	2.37	0.82	45.42
107	13.35	4	2.37	0.82	82.57
108	14.25	4	2.41	0.73	46.13
109	13.84	4	2.41	0.73	50.12
110	13.78	4	2.41	0.73	72.60
111	14.97	4	2.66	0.96	60.85
112	15.93	4	2.66	0.96	51.12
113	14.35	4	2.66	0.96	63.13
114	14.07	4	2.18	0.62	74.20
115	14.57	4	2.18	0.62	84.08
116	14.19	4	2.18	0.62	69.08
117	15.08	4	2.18	0.62	67.44

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.36	4	2.18	0.62	47.29
119	15.30	4	2.50	0.44	49.13
120	13.82	4	1.96	0.48	56.47
121	14.01	4	1.96	0.48	70.73
122	12.26	4	1.94	0.29	51.37
123	13.77	4	1.94	0.29	33.81
124	13.03	4	1.94	0.29	47.54
125	12.16	4	1.53	0.28	71.55
126	14.47	4	2.30	0.76	71.03
127	15.66	4	2.30	0.76	35.66
128	13.88	4	2.30	0.76	57.43
129	11.09	4	2.30	0.76	72.22
130	13.75	4	2.31	0.87	52.87
131	15.11	4	2.31	0.87	76.96
132	13.97	4	2.31	0.87	88.97
133	14.82	4	2.31	0.87	38.77
134	15.11	4	2.31	0.87	56.45
135	13.75	4	2.31	0.87	62.24
136	15.09	4	2.31	0.87	81.40
137	14.35	4	1.60	0.29	57.28
138	14.63	4	1.60	0.29	66.14
139	13.65	4	1.60	0.29	18.90
140	14.46	4	1.60	0.29	45.86
141	14.35	2	1.85	0.44	57.28
142	14.39	2	1.79	0.34	56.57
143	15.65	4	2.34	0.94	51.62
144	13.89	4	2.34	0.94	42.93
145	13.69	4	2.34	0.94	75.45
146	14.17	4	2.34	0.94	14.46
147	13.52	4	1.90	0.47	55.54
148	13.69	4	1.90	0.47	24.75
149	13.90	4	1.90	0.47	64.39
150	13.93	4	2.11	0.33	86.60
151	15.46	4	1.81	0.58	57.16
152	14.53	4	1.81	0.58	36.84
153	13.45	4	2.46	0.81	40.30
154	14.62	4	2.46	0.81	73.00
155	13.70	4	2.46	0.81	82.51
156	14.02	4	2.46	0.81	20.26
157	13.87	4	1.76	0.34	22.22

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.28	4	1.76	0.34	59.90
159	14.96	4	1.98	0.52	60.37
160	15.32	2	2.14	0.58	62.37
161	10.72	2	1.64	0.34	71.48
162	14.61	1	1.65	0.34	50.19
163	14.97	4	2.50	0.76	86.50
164	14.51	4	2.43	0.82	74.39
165	13.74	4	2.43	0.82	28.33
166	15.11	4	2.43	0.82	54.52
167	14.55	4	2.43	0.82	69.91
168	13.95	4	2.43	0.82	45.42
169	13.39	4	2.43	0.82	82.57

Mean Dpar	= 2.11	Std. Dev. (um)	= 1.31
Mean Dper	= 0.58	Skewness	= -1.28
Mean length (um)	= 14.03+/- 0.10	Kurtosis	= 3.78

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.47	4	2.40	0.87	57.78
2	13.78	4	2.40	0.87	37.44
3	14.93	4	2.40	0.87	69.53
4	14.29	4	2.40	0.87	82.77
5	14.74	4	2.40	0.87	44.68
6	14.01	4	1.67	0.54	30.89
7	14.54	4	1.67	0.54	74.88
8	14.04	4	1.67	0.54	85.16
9	12.70	4	1.67	0.54	52.98
10	7.09	4	1.67	0.54	71.01
11	14.30	4	1.67	0.54	33.45
12	13.75	4	1.67	0.54	61.89
13	14.82	4	1.67	0.54	88.30
14	12.63	4	1.67	0.54	47.43
15	13.95	4	1.67	0.54	16.60
16	14.83	4	1.67	0.54	56.87
17	14.33	4	1.67	0.54	51.91
18	14.61	4	2.13	0.56	82.56
19	14.36	4	1.92	0.31	78.89
20	14.39	4	1.92	0.31	54.56
21	12.11	4	2.04	0.28	70.64
22	12.25	4	2.04	0.28	32.87
23	12.70	4	2.04	0.28	60.37
24	14.88	4	2.04	0.28	64.88
25	14.58	4	1.93	0.33	49.23
26	14.67	4	2.97	0.81	58.32
27	13.14	4	2.97	0.81	67.70
28	12.98	4	1.88	0.29	88.44
29	15.27	4	1.88	0.29	33.24
30	9.87	3	2.31	0.59	41.04
31	13.76	4	2.31	0.67	64.29
32	14.55	4	2.31	0.67	40.38
33	14.33	4	2.38	0.72	46.75
34	14.43	4	2.12	0.53	74.42
35	12.76	4	2.12	0.53	40.20
36	11.61	4	2.12	0.53	38.40
37	13.64	4	2.12	0.53	77.03

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.62	4	2.12	0.53	79.49
39	13.01	4	2.12	0.53	53.23
40	12.47	3	1.77	0.53	76.89
41	14.09	4	1.67	0.21	67.22
42	16.49	4	2.24	0.59	62.71
43	13.48	4	2.24	0.59	41.93
44	12.81	4	2.24	0.59	84.23
45	12.97	4	2.24	0.59	59.39
46	15.45	4	2.24	0.59	72.47
47	14.69	4	2.24	0.59	52.71
48	12.09	4	2.24	0.59	65.90
49	14.32	4	2.24	0.59	74.99
50	16.02	4	2.24	0.59	31.87
51	15.15	4	2.24	0.59	86.82
52	13.77	4	2.24	0.59	19.75
53	14.95	4	2.24	0.59	75.47
54	15.87	4	1.88	0.35	80.21
55	15.77	4	1.88	0.35	60.05
56	12.94	4	1.93	0.35	60.46
57	14.09	4	1.93	0.35	43.66
58	13.91	4	1.50	0.34	68.65
59	15.06	4	1.50	0.34	80.49
60	15.04	4	1.50	0.34	15.49
61	13.76	4	1.50	0.34	70.59
62	13.33	4	1.50	0.34	49.70
63	11.30	4	1.50	0.34	56.75
64	13.81	4	1.50	0.34	76.45
65	14.27	4	1.50	0.34	87.21
66	13.27	4	1.76	0.29	54.82
67	11.95	4	1.76	0.29	65.11
68	9.54	4	2.00	0.80	77.08
69	14.50	4	2.00	0.80	48.37
70	12.83	4	2.00	0.80	66.90
71	14.92	4	2.00	0.80	82.59
72	7.27	4	2.00	0.80	76.56
73	14.81	4	2.38	0.47	63.11
74	13.11	4	1.59	0.25	47.30
75	13.78	4	1.59	0.25	50.50
76	14.35	4	1.59	0.25	65.13
77	14.49	4	1.59	0.25	61.12

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.05	4	1.73	0.25	79.54
79	15.01	4	1.73	0.25	33.02
80	14.79	4	1.73	0.25	54.13
81	13.99	4	2.31	0.78	45.31
82	13.89	4	2.31	0.78	86.31
83	15.64	2	2.65	0.34	62.42
84	12.68	4	1.80	0.49	52.08
85	13.89	4	1.80	0.49	74.60
86	14.81	4	2.03	0.47	43.25
87	13.89	4	2.03	0.47	52.66
88	15.34	4	2.03	0.47	74.60
89	15.54	4	2.03	0.47	35.58
90	15.96	4	2.03	0.47	45.64
91	15.21	4	2.03	0.47	70.39
92	14.85	4	2.03	0.47	70.50
93	16.11	4	1.60	0.31	73.12
94	14.49	4	1.60	0.31	64.59
95	14.00	4	1.96	0.44	70.91
96	14.89	4	1.96	0.44	19.65
97	14.00	4	1.96	0.44	41.72
98	5.98	4	1.84	0.42	85.12
99	15.19	4	1.84	0.42	89.53
100	13.78	4	1.84	0.42	82.99
101	14.70	4	2.05	0.68	36.11
102	14.10	4	2.05	0.68	66.67
103	14.46	4	1.99	0.44	54.30
104	13.19	4	2.43	0.42	84.98
105	13.53	4	1.96	0.57	84.16
106	13.45	4	1.96	0.57	42.61
107	13.49	4	1.96	0.57	58.18
108	12.47	4	1.96	0.57	57.72
109	15.36	4	1.96	0.57	80.06
110	12.37	4	1.96	0.57	29.83
111	15.75	4	1.96	0.57	63.66
112	13.36	4	1.96	0.57	29.93
113	15.21	4	1.96	0.57	70.02
114	14.74	4	1.96	0.57	58.00
115	15.24	4	1.96	0.57	61.24
116	14.79	3	1.76	0.24	72.93
117	15.42	2	1.92	0.70	38.53

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.83	2	1.92	0.70	71.11
119	13.71	2	1.92	0.70	79.45
120	14.53	2	1.92	0.70	75.79
121	13.42	4	1.83	0.65	52.35
122	13.44	3	2.12	0.42	59.23
123	13.97	3	2.12	0.42	35.28
124	13.21	3	2.12	0.42	77.00
125	13.90	3	2.12	0.42	20.01
126	13.73	4	2.11	0.33	86.60
127	15.66	4	1.81	0.58	57.16
128	14.55	4	1.81	0.58	36.84
129	12.45	4	2.46	0.81	40.30
130	13.62	4	2.46	0.81	73.00
131	12.70	4	2.46	0.81	82.51
132	14.02	4	2.46	0.81	20.26
133	13.85	4	1.76	0.34	22.22
134	11.28	4	1.76	0.34	59.90
135	14.96	4	1.98	0.52	60.37
136	15.32	2	2.14	0.58	62.37
137	10.72	2	1.64	0.34	71.48
138	14.61	1	1.65	0.34	50.19
139	14.97	4	2.50	0.76	86.50
140	14.53	4	2.38	0.38	61.70
141	13.48	4	2.38	0.38	69.07
142	13.99	4	2.38	0.38	52.05
143	12.66	4	1.85	0.34	35.80
144	12.89	4	1.85	0.34	79.56
145	13.83	4	1.85	0.57	87.70
146	13.79	4	1.85	0.57	36.76
147	13.02	4	1.85	0.57	79.77
148	15.57	4	1.68	0.47	51.77
149	14.18	4	1.68	0.47	18.91
150	14.23	4	2.17	0.40	78.66
151	14.12	4	2.17	0.40	63.18
152	13.73	4	2.17	0.40	69.18
153	14.47	4	2.17	0.40	31.39
154	15.21	4	2.17	0.40	51.66
155	13.97	4	2.17	0.40	72.80
156	14.59	4	2.17	0.40	19.59
157	15.77	2	1.86	0.72	56.26

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.35	2	1.86	0.72	81.01
159	12.71	4	1.94	0.33	84.28
160	12.84	4	1.94	0.33	81.28
161	14.87	4	1.94	0.33	43.93
162	14.18	4	2.11	0.44	88.14
163	14.35	4	1.88	0.53	82.92
164	16.04	4	1.88	0.53	55.79
165	13.07	1	1.93	0.19	89.10
166	14.51	1	1.93	0.19	66.93
167	12.66	1	1.93	0.19	84.74
168	15.61	4	2.07	0.92	74.76
169	14.24	4	2.07	0.92	40.26
170	17.14	1	1.91	0.47	73.25
171	14.75	4	2.64	0.71	39.64
172	13.31	4	2.64	0.71	48.66
173	15.75	4	2.64	0.71	62.35
174	14.09	4	2.64	0.71	58.65
175	14.03	4	2.64	0.71	72.18
176	12.41	4	1.67	0.33	54.02
177	14.21	4	1.67	0.33	17.50
178	15.37	4	1.41	0.33	54.01
179	14.91	4	1.41	0.33	56.11
180	14.87	4	1.41	0.33	61.57
181	14.99	4	1.41	0.33	33.47
182	14.49	4	1.41	0.33	39.27
183	15.65	4	2.67	0.94	67.27
184	15.81	4	2.52	0.54	37.16
185	12.75	4	2.52	0.54	72.05
186	13.25	4	2.52	0.54	44.77
187	14.20	4	2.52	0.54	32.46
188	13.04	4	1.59	0.33	48.96
189	14.21	4	2.20	0.65	51.55
190	14.12	4	2.20	0.65	49.69
191	13.74	4	1.63	0.34	67.54
192	13.14	4	1.63	0.34	53.25
193	14.97	4	2.00	0.28	41.41
194	15.24	4	2.00	0.28	46.18
195	13.42	4	2.00	0.28	43.67
196	13.98	4	2.00	0.28	38.50
197	15.43	4	2.00	0.28	47.73

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.35	4	2.27	0.68	58.03
199	12.38	4	2.27	0.68	78.28
200	14.88	4	1.81	0.29	51.04
201	13.04	4	1.81	0.29	55.95
202	14.61	4	2.37	0.82	74.39
203	12.74	4	2.37	0.82	28.33
204	15.06	4	2.37	0.82	54.52
205	14.55	4	2.37	0.82	69.91
206	14.90	4	2.37	0.82	45.42
207	13.85	4	2.37	0.82	82.57
208	14.25	4	2.41	0.73	46.13
209	13.84	4	2.41	0.73	50.12
210	13.78	4	2.41	0.73	72.60
211	14.97	4	2.66	0.96	60.85
212	15.93	4	2.66	0.96	51.12
213	14.35	4	2.66	0.96	63.13

Mean Dpar	= 2.02	Std. Dev. (um)	= 1.42
Mean Dper	= 0.52	Skewness	= -2.11
Mean length (um)	= 13.99+/- 0.10	Kurtosis	= 8.51

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.33	4	2.56	0.65	67.06
2	14.00	4	2.56	0.65	45.07
3	15.13	4	2.56	0.65	22.47
4	15.00	4	2.13	0.56	53.22
5	14.64	4	2.13	0.56	15.65
6	14.11	4	2.13	0.56	43.06
7	13.65	4	2.13	0.56	71.35
8	15.40	4	2.13	0.56	84.01
9	15.06	4	2.13	0.56	30.95
10	14.85	4	2.37	0.78	72.87
11	14.38	4	2.37	0.78	64.21
12	15.44	4	1.79	0.65	53.21
13	14.28	4	1.79	0.65	61.92
14	16.08	4	2.04	0.53	75.07
15	15.28	4	2.01	0.80	87.16
16	13.53	4	2.01	0.80	50.67
17	13.49	4	2.01	0.80	42.36
18	15.61	4	2.01	0.80	30.48
19	15.19	4	2.27	1.00	65.91
20	14.67	4	2.27	1.00	32.44
21	13.08	4	1.80	0.31	35.00
22	16.42	4	2.07	0.65	23.06
23	16.48	4	2.07	0.65	49.62
24	14.04	4	2.16	0.49	61.67
25	15.66	4	2.12	0.44	75.21
26	15.21	4	2.71	1.01	80.38
27	14.50	4	2.71	1.01	38.43
28	14.91	4	2.71	1.01	30.11
29	15.11	4	2.77	1.08	61.54
30	13.67	4	2.77	1.08	38.41
31	13.91	4	2.10	0.25	20.98
32	11.27	4	2.92	0.86	60.99
33	15.75	4	2.92	0.86	30.11
34	12.84	4	2.92	0.86	71.87
35	16.40	4	2.31	0.71	45.25
36	14.49	4	2.81	0.73	72.02
37	15.84	4	2.26	0.89	33.78

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.29	4	2.26	0.89	53.03
39	13.17	4	2.31	0.52	52.80
40	15.32	4	2.56	0.98	82.69
41	14.93	4	1.76	0.39	70.14
42	16.74	4	2.70	1.08	52.51
43	16.69	4	2.70	1.08	82.17
44	13.89	4	2.70	1.08	68.61
45	16.77	4	2.70	1.08	89.98
46	15.38	4	1.93	0.49	57.44
47	15.89	4	1.93	0.49	49.35
48	15.04	4	1.93	0.49	54.88
49	13.34	4	1.93	0.49	65.58
50	14.32	4	1.93	0.49	54.13
51	13.23	4	1.93	0.49	73.60
52	14.05	4	1.93	0.49	27.91
53	11.20	4	3.07	1.22	74.83
54	11.98	4	3.07	1.22	73.05
55	10.29	4	3.07	1.22	60.97
56	13.01	4	2.20	0.67	22.20
57	14.33	4	2.92	1.15	71.28
58	13.95	4	2.92	1.15	61.70
59	13.63	4	2.92	1.15	45.85
60	14.89	4	2.12	0.86	52.80
61	14.09	2	2.54	0.53	43.33
62	14.50	4	2.12	0.53	64.21
63	13.04	4	2.12	0.53	81.40
64	14.95	4	2.12	0.53	30.34
65	14.08	4	2.12	0.53	31.41
66	14.14	4	2.27	0.33	45.06
67	14.63	4	2.27	0.33	48.06
68	14.24	4	2.27	0.33	85.20
69	14.68	4	2.27	0.33	56.95
70	13.94	4	2.60	1.12	77.30
71	13.52	4	2.61	1.10	75.49
72	13.87	4	2.03	0.38	46.75
73	14.10	4	2.03	0.38	80.26
74	13.46	4	2.03	0.38	32.91
75	13.79	4	2.03	0.38	61.63
76	12.92	4	2.10	0.76	61.30
77	13.63	4	1.91	0.34	72.79

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.10	4	1.91	0.34	53.45
79	13.40	4	2.08	0.65	40.79
80	13.21	2	1.88	0.30	62.32
81	7.40	2	1.88	0.30	71.00
82	14.81	4	2.18	0.65	34.18
83	14.17	4	2.18	0.65	76.60
84	14.65	2	2.32	0.63	58.33
85	14.19	2	2.32	0.63	43.60
86	13.62	4	2.58	0.68	59.22
87	14.49	4	2.03	0.39	29.59
88	14.37	4	2.03	0.39	24.42
89	10.86	4	2.83	1.15	88.47
90	13.63	4	2.83	1.15	88.80
91	11.89	4	2.94	0.87	32.12
92	13.78	4	2.94	0.87	54.56
93	13.62	4	2.94	0.87	82.17
94	14.26	4	2.94	0.87	60.55
95	13.54	4	2.07	1.12	48.11
96	15.31	4	2.44	1.01	89.89
97	15.31	4	2.44	1.01	72.21
98	14.55	4	2.44	1.01	66.65
99	15.57	4	2.44	1.01	60.60
100	15.05	1	1.93	0.45	81.97
101	15.12	4	2.38	0.72	51.59
102	15.07	4	2.38	0.72	77.13
103	14.99	4	2.38	0.72	40.30
104	13.89	4	2.33	0.53	32.12
105	13.98	4	2.33	0.53	54.56
106	13.99	4	2.33	0.53	82.17
107	14.56	4	2.33	0.53	60.55
108	13.38	4	2.61	0.62	65.46
109	14.04	1	1.52	0.56	82.40
110	13.54	4	1.78	0.51	55.31
111	14.23	4	1.78	0.51	69.84
112	13.69	4	2.63	0.98	59.97
113	14.02	4	2.63	0.98	51.48
114	13.99	4	2.43	0.87	83.67
115	13.54	4	2.04	0.48	38.05
116	15.45	3	1.53	0.43	12.79
117	13.28	2	2.03	0.44	40.11

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.96	3	1.70	0.56	75.03
119	13.80	3	1.70	0.56	37.34
120	15.17	3	1.70	0.56	56.94
121	14.56	3	1.70	0.56	31.98
122	13.80	3	1.70	0.56	62.08
123	15.00	4	2.28	1.06	37.15
124	14.62	4	2.26	0.87	60.02
125	12.91	4	2.26	0.87	80.02
126	12.51	4	2.26	0.87	33.64
127	16.03	4	2.26	0.87	30.90
128	14.64	4	2.26	0.87	40.50
129	14.21	4	1.92	0.37	59.82
130	7.28	4	1.92	0.37	85.28
131	13.80	4	1.92	0.37	81.10
132	14.34	4	1.92	0.37	33.76
133	15.02	4	2.86	1.13	72.28
134	14.48	4	2.10	0.94	26.16
135	13.44	4	3.81	0.67	67.73
136	16.51	4	3.81	0.67	67.93
137	14.14	4	3.81	0.67	51.52
138	13.79	4	3.81	0.67	88.93
139	13.74	4	1.81	0.52	58.62
140	13.91	4	1.81	0.52	40.57
141	15.30	4	3.05	0.71	55.48
142	14.66	4	3.05	0.71	88.71
143	13.33	4	1.97	0.29	84.40
144	12.64	4	2.21	0.29	74.32
145	13.36	4	1.93	0.47	64.81
146	13.22	4	1.93	0.47	47.57
147	10.62	4	1.93	0.47	74.16
148	12.96	4	1.93	0.47	20.73
149	14.21	4	1.93	0.47	52.73
150	13.95	4	3.07	1.27	63.51
151	14.96	4	3.07	1.27	12.75
152	14.51	4	3.07	1.27	60.50
153	13.92	4	3.07	1.27	34.86
154	13.54	3	1.92	0.26	37.53
155	14.43	4	1.73	0.15	63.10
156	13.15	4	1.73	0.15	29.32
157	14.49	4	1.73	0.15	56.81

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.56	4	1.73	0.15	67.54
159	12.45	4	2.13	0.44	70.21
160	14.50	4	2.25	0.49	78.95
161	14.81	4	2.25	0.49	52.04
162	13.52	4	2.25	0.49	43.67
163	13.89	4	2.25	0.49	35.41
164	14.28	2	1.85	0.47	62.19
165	13.02	4	2.83	0.53	83.00
166	14.19	4	2.83	0.53	68.09
167	15.17	4	2.83	0.53	38.44
168	15.16	4	2.83	0.53	50.63
169	11.80	2	1.99	0.70	32.47
170	11.78	4	2.18	0.63	68.02
171	14.09	4	1.59	0.33	34.23
172	13.87	4	3.25	0.58	79.06
173	15.87	4	1.97	0.31	70.83
174	13.46	4	2.51	0.81	17.85
175	13.88	4	2.38	0.91	28.24
176	15.85	4	1.72	0.28	56.99
177	14.57	4	1.72	0.28	47.50
178	12.81	4	2.81	0.62	44.12
179	14.31	4	2.81	0.62	37.44
180	13.93	4	2.81	0.62	55.59
181	15.68	4	1.98	0.98	40.71
182	14.41	4	1.98	0.98	74.54

Mean Dpar	= 2.31	Std. Dev. (um)	= 1.32
Mean Dper	= 0.67	Skewness	= -1.67
Mean length (um)	= 14.13+/- 0.10	Kurtosis	= 6.77

02-EP-31
497-47

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.29	4	1.59	0.42	66.59
2	15.40	4	1.59	0.42	83.98
3	14.16	4	1.51	0.47	55.66
4	15.12	4	1.51	0.47	76.22
5	7.25	2	1.86	0.37	86.04
6	15.20	4	1.84	0.43	74.18
7	13.07	4	1.66	0.33	79.50
8	11.76	4	1.77	0.34	73.94
9	13.90	4	1.96	0.39	52.36
10	12.45	4	1.96	0.39	77.94
11	15.65	4	1.85	0.26	88.50
12	15.95	4	2.06	0.33	67.84
13	14.25	4	2.06	0.33	15.27
14	15.15	4	2.06	0.33	15.56
15	15.58	4	2.06	0.33	64.68
16	13.54	4	2.06	0.33	79.82

Mean Dpar	= 1.84	Std. Dev. (um)	= 2.15
Mean Dper	= 0.37	Skewness	= -1.79
Mean length (um)	= 13.92+/- 0.55	Kurtosis	= 3.04

02-EP-32
497-48

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.10	4	2.43	1.01	64.27
2	14.28	4	2.43	1.01	53.66
3	8.14	4	2.43	1.01	75.43
4	13.45	4	2.46	0.39	60.83
5	15.97	4	3.38	0.56	65.12
6	14.56	4	3.38	0.56	85.62
7	14.29	4	3.38	0.56	50.66
8	12.57	4	2.06	0.31	38.09
9	15.26	4	1.76	0.52	4.36
10	12.50	4	1.76	0.52	60.20
11	15.40	4	1.76	0.52	63.56
12	15.14	4	2.53	0.84	37.92
13	16.18	4	2.53	0.84	0.07
14	14.53	4	2.54	0.68	64.14
15	14.92	4	1.94	0.71	61.21
16	14.23	4	1.94	0.71	35.77
17	12.72	4	2.91	1.28	73.70
18	15.62	4	2.91	1.28	45.12
19	15.15	4	1.97	0.52	22.29
20	13.38	4	1.97	0.52	50.83
21	13.93	1	1.60	0.63	56.00
22	14.30	4	2.36	0.80	53.30
23	16.85	4	3.27	0.76	39.78
24	12.00	4	1.72	0.30	47.04
25	15.94	4	1.72	0.30	73.27
26	15.03	4	1.72	0.30	69.95
27	13.81	4	2.13	0.57	37.02
28	15.49	4	2.46	0.86	53.15
29	15.81	4	2.46	0.86	54.57
30	13.92	4	2.46	0.86	50.39
31	16.45	4	2.21	0.77	59.41
32	16.66	4	2.21	0.77	26.18
33	15.82	4	3.24	1.05	88.13
34	15.01	4	3.24	1.05	72.76
35	15.21	4	3.24	1.05	71.74
36	15.13	2	2.88	1.00	72.92
37	13.83	4	2.23	0.65	54.14

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.49	4	2.24	0.37	82.07
39	14.72	4	1.78	0.28	80.52
40	14.95	4	1.78	0.28	80.69
41	16.10	4	2.54	0.62	26.96
42	13.05	4	2.54	0.62	20.67
43	14.48	4	1.88	0.23	59.19
44	12.59	4	1.88	0.23	22.50
45	12.97	4	2.50	0.35	74.82
46	14.94	4	2.31	0.86	81.93
47	12.90	4	2.31	0.86	84.01
48	16.77	4	2.31	0.86	18.12
49	13.91	4	2.31	0.86	82.29
50	13.18	4	2.31	0.86	62.22
51	14.25	4	2.31	0.86	79.05
52	16.00	4	2.31	0.86	62.71
53	13.45	4	2.31	0.86	55.59
54	14.53	4	2.31	0.86	83.36
55	11.31	4	2.31	0.86	31.42
56	16.63	4	2.31	0.86	79.92
57	14.87	4	2.71	1.18	61.83
58	14.33	4	2.71	1.18	58.76
59	12.10	4	2.67	1.15	51.61
60	13.02	3	2.01	0.30	83.37
61	14.22	4	1.84	0.40	62.02
62	12.72	2	2.12	0.44	43.33
63	12.47	2	2.12	0.44	22.18
64	13.53	2	2.12	0.44	62.95
65	15.72	4	3.10	0.70	51.38
66	15.36	4	3.10	0.70	25.67
67	13.45	4	1.78	0.31	81.21
68	13.01	4	1.78	0.31	59.88
69	16.31	4	2.06	0.76	63.82
70	15.81	4	2.06	0.76	10.79
71	13.60	4	2.06	0.76	82.29
72	14.98	4	1.91	0.37	46.07
73	12.77	4	1.91	0.37	81.02
74	13.85	4	2.63	0.62	88.86
75	15.17	4	2.63	0.62	80.03
76	15.28	4	2.63	0.62	73.41
77	9.60	4	2.63	0.62	83.69

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.85	4	2.43	0.70	63.70
79	14.57	4	2.43	0.70	49.64
80	15.38	2	1.77	0.18	35.90
81	13.48	2	1.77	0.18	22.25
82	16.36	4	2.47	0.75	55.99
83	15.53	4	2.66	1.01	71.54
84	13.90	4	2.66	1.01	39.38
85	13.61	4	2.66	1.01	77.70
86	14.72	4	2.30	0.39	62.20
87	14.15	4	2.30	0.39	78.29
88	15.99	4	2.17	0.70	41.01
89	15.17	4	2.17	0.70	79.08
90	14.11	4	2.17	0.70	61.29
91	14.00	4	2.17	0.70	60.59
92	13.69	4	2.17	0.70	38.31
93	14.47	4	2.17	0.70	14.82
94	8.87	4	3.01	0.94	82.62
95	16.07	4	2.57	0.92	81.87
96	15.10	4	2.64	0.86	24.38
97	13.84	4	2.64	0.86	67.33
98	13.49	4	2.64	0.86	49.55
99	13.00	4	2.32	0.91	75.72
100	13.43	4	2.32	0.91	43.27
101	15.13	4	2.32	0.91	80.26
102	14.16	4	2.32	0.91	45.19
103	14.23	4	2.32	0.91	24.72
104	13.34	4	2.53	0.84	37.82
105	14.10	4	2.53	0.84	31.77
106	14.43	4	2.30	0.96	72.51
107	15.35	4	2.30	0.96	76.21
108	13.97	4	2.30	0.96	67.89
109	14.54	4	2.30	0.96	74.27
110	14.55	3	2.00	0.44	59.06
111	14.96	3	2.00	0.44	55.62
112	13.18	3	2.00	0.44	32.82
113	15.83	4	2.34	0.77	69.70
114	13.08	4	2.34	0.77	52.55
115	14.79	4	1.48	0.42	77.00
116	15.11	3	1.52	0.33	8.33
117	14.59	3	1.52	0.33	47.90

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	9.82	1	1.54	0.16	52.60
119	15.10	4	2.78	0.66	38.16
120	15.53	4	2.78	0.66	60.10
121	15.34	4	2.78	0.66	40.30
122	14.43	4	2.78	0.66	78.78
123	15.94	4	2.78	0.66	87.82
124	13.60	4	1.86	0.35	26.45
125	12.64	4	1.86	0.35	61.78
126	16.66	4	2.71	0.81	89.39
127	13.59	4	2.34	0.52	35.75
128	15.43	4	2.66	0.84	40.81
129	13.87	4	2.66	0.84	51.68
130	14.33	4	2.36	0.94	80.68
131	13.89	4	2.36	0.94	86.08
132	14.18	4	2.07	0.78	41.91
133	14.52	4	2.07	0.78	64.28
134	16.10	4	2.07	0.48	47.35
135	15.16	4	2.07	0.48	40.65
136	14.20	4	2.07	0.48	48.20
137	14.24	4	2.11	0.81	54.79
138	14.17	4	2.11	0.81	66.31
139	13.92	4	2.11	0.81	15.39
140	13.13	4	2.54	1.01	43.18
141	15.11	4	2.54	0.85	89.18
142	14.39	4	2.54	0.85	66.70
143	14.13	4	2.54	0.85	65.05
144	14.54	4	2.25	0.86	64.33
145	13.68	4	2.25	0.86	82.08
146	13.64	4	2.25	0.86	37.20
147	14.78	4	2.25	0.86	69.05
148	15.90	4	2.25	0.86	53.45
149	13.55	4	2.25	0.86	34.46
150	13.11	4	2.25	0.86	32.92
151	15.92	4	1.98	0.45	47.11
152	14.40	4	1.81	0.62	53.74
153	13.28	4	1.81	0.62	38.07
154	14.28	4	1.81	0.38	29.63
155	14.09	4	3.13	0.76	37.02
156	14.48	4	3.13	0.76	75.51
157	13.32	4	3.13	0.76	62.34

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.69	4	1.79	0.71	36.60
159	14.12	4	2.64	0.76	81.71
160	15.11	4	2.51	0.63	34.66
161	10.57	4	1.85	0.58	52.54
162	11.14	4	2.36	0.52	66.23
163	12.08	4	1.60	0.16	78.58
164	13.36	4	1.60	0.16	45.92
165	13.86	4	1.65	0.28	43.80
166	13.90	4	1.65	0.28	48.20
167	15.37	4	2.10	0.72	40.98
168	14.23	4	2.10	0.72	49.12
169	14.83	4	2.00	0.57	76.44
170	13.82	4	2.27	0.62	80.24
171	13.30	4	2.27	0.62	63.88
172	14.17	4	2.27	0.62	50.03
173	13.21	4	2.27	0.62	87.65
174	13.98	4	2.61	1.17	68.43
175	13.40	4	2.61	1.17	42.72
176	15.64	4	1.84	0.25	63.41
177	14.64	4	1.84	0.25	51.33
178	13.78	4	2.54	0.76	53.22
179	14.42	4	2.54	0.76	73.70
180	16.10	4	2.36	0.57	47.01
181	14.35	4	2.36	0.57	53.78
182	13.49	4	2.39	0.37	29.82
183	13.11	4	2.39	0.37	62.08
184	14.63	4	1.79	0.33	81.70
185	14.94	4	2.04	0.42	41.55
186	15.10	4	2.04	0.87	36.20
187	13.38	4	2.04	0.87	63.37
188	13.46	4	2.04	0.87	35.60
189	13.02	4	2.64	0.61	51.21
190	13.75	4	2.64	0.61	76.34
191	14.26	4	2.64	0.61	47.97
192	13.31	4	2.64	0.61	75.75
193	13.24	4	2.07	0.54	60.56
194	12.39	4	2.07	0.54	53.39
195	14.34	4	2.52	0.63	39.24
196	14.05	4	2.52	0.63	36.50
197	15.30	4	3.23	0.84	38.41

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.26	4	3.23	0.84	88.50
199	14.61	4	3.23	0.84	65.31
200	13.98	4	3.23	0.84	55.89
201	14.56	4	3.23	0.84	48.93
202	15.82	4	3.23	0.84	65.07
203	13.74	4	3.23	0.84	84.60

Mean Dpar	= 2.34	Std. Dev. (um)	= 1.33
Mean Dper	= 0.68	Skewness	= -1.10
Mean length (um)	= 14.22+/- 0.09	Kurtosis	= 3.33

02-EP-33
497-49

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.39	4	3.09	0.91	52.41
2	13.95	4	3.09	0.91	61.81
3	13.93	4	3.09	0.91	66.64
4	14.26	4	3.09	0.91	57.66
5	11.93	4	2.60	0.92	53.98
6	15.17	4	2.20	0.56	65.12
7	14.56	4	2.20	0.56	85.62
8	14.39	4	2.20	0.56	50.66
9	13.57	4	2.12	0.31	38.09
10	15.16	4	1.87	0.52	4.36
11	12.54	4	1.87	0.52	60.20
12	15.12	4	1.87	0.52	63.56
13	15.24	4	2.41	0.84	37.92
14	15.18	4	2.41	0.84	9.07
15	14.23	4	2.31	0.68	64.14
16	14.32	4	2.00	0.71	61.21
17	14.23	4	2.00	0.71	35.77
18	13.72	4	2.44	1.28	73.70
19	13.62	4	2.44	1.28	45.12
20	13.15	4	2.00	0.52	22.29
21	13.18	4	2.00	0.52	50.83
22	14.93	1	1.84	0.63	56.00
23	14.37	4	2.36	0.80	53.30
24	15.85	4	2.57	0.76	39.78
25	14.00	4	1.84	0.30	47.04
26	15.24	4	1.84	0.30	73.27
27	14.03	4	1.84	0.30	69.95
28	13.80	4	2.37	0.57	37.02
29	14.49	4	2.34	0.86	53.15
30	15.31	4	2.34	0.86	54.57
31	13.62	4	2.34	0.86	50.39
32	15.45	4	2.33	0.77	59.41
33	14.66	4	2.33	0.77	26.18
34	15.72	4	2.30	1.05	88.13
35	14.31	4	2.30	1.05	72.76
36	14.21	4	2.30	1.05	71.74
37	15.33	2	2.41	1.00	72.92

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.93	4	2.46	0.65	54.14
39	13.79	4	2.14	0.37	82.07
40	14.32	4	1.87	0.28	80.52
41	14.55	4	1.87	0.28	80.69
42	15.10	4	2.39	0.62	26.96
43	13.35	4	2.39	0.62	20.67
44	14.38	4	1.81	0.23	59.19
45	13.59	4	1.81	0.23	22.50
46	13.97	4	2.51	0.35	74.82
47	14.74	4	2.34	0.86	81.93
48	13.90	4	2.34	0.86	84.01
49	14.77	4	2.34	0.86	18.12
50	13.81	4	2.34	0.86	82.29
51	13.38	4	2.34	0.86	62.22
52	14.21	4	2.34	0.86	79.05
53	14.10	4	2.34	0.86	62.71
54	13.53	4	2.34	0.86	55.59
55	14.03	4	2.34	0.86	83.36
56	12.35	4	2.34	0.86	31.42
57	14.37	4	2.47	1.18	61.83
58	14.63	4	2.47	1.18	58.76
59	13.10	4	2.56	1.15	51.61
60	13.04	3	2.04	0.30	83.37
61	14.02	4	1.79	0.40	62.02
62	12.73	2	2.06	0.44	43.33
63	12.87	2	2.06	0.44	22.18
64	13.50	2	2.06	0.44	62.95
65	15.12	4	3.10	0.70	51.38
66	15.23	4	3.10	0.70	25.67
67	13.95	4	1.78	0.31	81.21
68	13.71	4	1.78	0.31	59.88
69	15.31	4	2.06	0.76	63.82
70	15.41	4	2.06	0.76	10.79
71	13.60	4	2.06	0.76	82.29
72	14.68	4	1.91	0.37	46.07
73	12.97	4	1.91	0.37	81.02
74	13.45	4	2.63	0.62	88.86
75	15.07	4	2.63	0.62	80.03
76	15.28	4	2.63	0.62	73.41
77	9.69	4	2.63	0.62	83.69

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.85	4	2.43	0.70	63.70
79	14.37	4	2.43	0.70	49.64
80	15.18	2	1.77	0.18	35.90
81	13.88	2	1.77	0.18	22.25
82	14.36	4	2.47	0.75	55.99
83	15.32	4	2.66	1.01	71.54
84	13.93	4	2.66	1.01	39.38
85	13.61	4	2.66	1.01	77.70
86	15.72	4	2.30	0.39	62.20
87	14.17	4	2.30	0.39	78.29
88	15.99	4	2.17	0.70	41.01
89	15.17	4	2.17	0.70	79.08
90	14.11	4	2.17	0.70	61.29
91	14.08	4	2.17	0.70	60.59
92	13.76	4	2.17	0.70	38.31
93	14.19	4	2.17	0.70	14.82
94	10.87	4	3.01	0.94	82.62
95	15.07	4	2.57	0.92	81.87
96	16.10	4	2.64	0.86	24.38
97	13.85	4	2.64	0.86	67.33
98	13.49	4	2.64	0.86	49.55
99	13.87	4	2.32	0.91	75.72
100	13.63	4	2.32	0.91	43.27
101	15.13	4	2.32	0.91	80.26
102	14.12	4	2.32	0.91	45.19
103	14.12	4	2.32	0.91	24.72
104	13.54	4	2.53	0.84	37.82
105	14.30	4	2.53	0.84	31.77
106	14.49	4	2.30	0.96	72.51
107	15.25	4	2.30	0.96	76.21
108	13.97	4	2.30	0.96	67.89
109	14.14	4	2.30	0.96	74.27
110	14.95	3	2.00	0.44	59.06
111	14.76	3	2.00	0.44	55.62
112	13.18	3	2.00	0.44	32.82
113	15.73	4	2.34	0.77	69.70
114	13.09	4	2.34	0.77	52.55
115	14.79	4	1.48	0.42	77.00
116	15.61	3	1.52	0.33	8.33
117	14.53	3	1.52	0.33	47.90

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	9.22	1	1.54	0.16	52.60
119	15.10	4	2.78	0.66	38.16
120	15.50	4	2.78	0.66	60.10
121	15.34	4	2.78	0.66	40.30
122	14.49	4	2.78	0.66	78.78
123	14.94	4	2.78	0.66	87.82
124	13.60	4	1.86	0.35	26.45
125	12.69	4	1.86	0.35	61.78
126	16.12	4	2.71	0.81	89.39
127	13.69	4	2.34	0.52	35.75
128	15.13	4	2.66	0.84	40.81
129	13.84	4	2.66	0.84	51.68
130	14.39	4	2.36	0.94	80.68
131	13.80	4	2.36	0.94	86.08
132	14.10	4	2.07	0.78	41.91
133	14.51	4	2.07	0.78	64.28
134	15.10	4	2.07	0.48	47.35
135	15.36	4	2.07	0.48	40.65
136	14.20	4	2.07	0.48	48.20
137	14.14	4	2.11	0.81	54.79
138	14.77	4	2.11	0.81	66.31
139	13.92	4	2.11	0.81	15.39
140	13.83	4	2.54	1.01	43.18
141	15.01	4	2.54	0.85	89.18
142	14.19	4	2.54	0.85	66.70
143	14.13	4	2.54	0.85	65.05
144	14.04	4	2.25	0.86	64.33
145	15.68	4	2.25	0.86	82.08
146	13.64	4	2.25	0.86	37.20
147	14.65	4	2.25	0.86	69.05
148	15.00	4	2.25	0.86	53.45
149	13.76	4	2.25	0.86	34.46
150	13.67	4	2.25	0.86	32.92
151	15.42	4	1.98	0.45	47.11
152	14.38	4	1.81	0.62	53.74
153	13.22	4	1.81	0.62	38.07
154	14.17	4	1.81	0.38	29.63
155	14.29	4	3.13	0.76	37.02
156	14.28	4	3.13	0.76	75.51
157	13.32	4	3.13	0.76	62.34

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.61	4	1.79	0.71	36.60
159	14.14	4	2.64	0.76	81.71
160	15.19	4	2.51	0.63	34.66
161	10.59	4	1.85	0.58	52.54
162	15.14	4	2.36	0.52	66.23
163	12.11	4	1.60	0.16	78.58
164	14.36	4	1.60	0.16	45.92
165	13.76	4	1.65	0.28	43.80
166	14.90	4	1.65	0.28	48.20
167	15.87	4	2.10	0.72	40.98
168	13.73	4	2.10	0.72	49.12
169	14.81	4	2.00	0.57	76.44
170	13.87	4	2.27	0.62	80.24
171	13.68	4	2.27	0.62	63.88
172	14.17	4	2.27	0.62	50.03
173	13.29	4	2.27	0.62	87.65
174	13.91	4	2.61	1.17	68.43
175	13.49	4	2.61	1.17	42.72
176	15.65	4	1.84	0.25	63.41
177	14.49	4	1.84	0.25	51.33

Mean Dpar	= 2.27	Std. Dev. (um)	= 1.02
Mean Dper	= 0.69	Skewness	= -1.45
Mean length (um)	= 14.21+/- 0.08	Kurtosis	= 4.95

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	12.96	4	2.33	0.72	56.93
2	13.22	4	2.33	0.72	52.60
3	14.09	4	2.27	0.42	83.59
4	13.60	4	2.27	0.42	33.51
5	15.00	4	1.93	0.33	78.49
6	14.69	4	2.56	1.05	43.24
7	15.33	4	2.56	1.05	5.47
8	16.16	4	2.56	1.05	65.34
9	14.48	4	2.56	1.05	77.85
10	13.50	4	2.56	1.05	63.83
11	12.86	4	2.56	1.05	80.05
12	14.69	4	2.19	0.54	41.78
13	14.25	4	2.19	0.54	54.01
14	15.31	4	2.97	1.04	54.09
15	12.85	4	2.04	0.33	42.29
16	13.88	4	2.04	0.33	67.93
17	12.85	4	2.04	0.33	84.48
18	14.06	4	2.94	0.70	67.24
19	14.27	4	2.33	0.98	86.57
20	15.66	4	1.91	0.47	38.65
21	13.34	4	1.91	0.47	28.50
22	13.60	4	1.91	0.47	56.11
23	16.27	4	1.91	0.47	48.69
24	13.00	1	2.20	0.40	42.24
25	14.01	4	2.71	0.98	62.25
26	11.69	4	2.67	1.04	82.41
27	13.20	4	2.24	0.81	25.54
28	14.89	3	1.92	0.72	67.99
29	14.59	4	1.67	0.44	26.10
30	14.25	4	2.34	0.65	40.75
31	13.97	4	2.34	0.65	80.90
32	13.89	4	2.34	0.95	38.28
33	14.48	4	1.83	0.34	75.89
34	12.89	4	2.25	1.09	26.96
35	15.36	4	2.80	0.91	73.79
36	14.74	4	2.47	0.56	77.60
37	15.19	4	2.05	0.48	61.10

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.32	4	3.41	0.87	74.95
39	14.96	4	1.71	0.43	31.61
40	13.89	4	1.71	0.43	17.94
41	10.48	4	1.71	0.43	61.90
42	14.11	4	2.76	1.46	23.79
43	16.43	3	2.67	0.56	54.82
44	14.02	4	2.78	0.44	88.73
45	15.50	4	2.48	0.39	57.49
46	13.28	4	2.48	0.39	42.62
47	13.75	4	2.48	0.39	60.31
48	13.43	4	2.48	0.39	60.73
49	15.42	4	2.14	0.49	78.31
50	14.85	4	2.14	0.49	61.72
51	15.54	4	2.34	0.90	52.02
52	14.05	4	2.34	0.90	41.30
53	13.99	4	1.99	0.49	80.51
54	15.62	4	1.99	0.49	31.30
55	14.17	4	1.99	0.49	58.30
56	14.96	4	2.52	0.85	71.79
57	14.00	4	2.52	0.85	53.75
58	11.66	4	2.24	0.31	67.09
59	14.03	4	2.24	0.31	40.53
60	14.86	4	1.85	0.40	73.48
61	13.71	4	2.19	0.75	52.17
62	15.40	4	2.63	1.29	54.23
63	16.16	4	2.63	1.29	21.95
64	15.84	4	2.63	1.29	80.05
65	16.38	4	1.68	0.43	6.78
66	13.54	4	1.68	0.43	17.75
67	13.03	4	2.06	0.39	60.15
68	13.92	4	2.06	0.39	43.83
69	13.74	3	2.50	0.62	29.90
70	14.24	3	2.50	0.62	59.74
71	14.19	4	2.19	0.76	70.64
72	14.61	4	2.19	0.76	63.09
73	14.72	4	2.19	0.76	88.48
74	11.14	4	2.19	0.76	53.05
75	14.83	4	2.19	0.76	52.70
76	13.35	4	1.99	0.84	29.63
77	14.06	4	2.86	1.01	47.28

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	12.78	4	2.86	1.01	84.59
79	13.97	4	2.86	1.01	34.52
80	14.37	4	2.51	1.05	43.24
81	14.35	4	2.51	1.05	5.47
82	15.76	4	2.51	1.05	65.34
83	14.78	4	2.51	1.05	77.85
84	14.62	4	2.30	0.54	41.78
85	14.45	4	2.30	0.54	54.01
86	15.42	4	2.44	1.04	54.09
87	13.83	4	2.12	0.33	42.29
88	13.95	4	2.12	0.33	67.93
89	13.89	4	2.12	0.33	84.48
90	14.36	4	2.77	0.70	67.24
91	14.17	4	2.36	0.98	86.57
92	14.56	4	2.05	0.47	38.65
93	14.64	4	2.05	0.47	28.50
94	13.69	4	2.05	0.47	56.11
95	15.21	4	2.05	0.47	48.69
96	13.30	1	2.39	0.40	42.24
97	15.21	4	2.53	0.98	62.25
98	12.59	4	2.71	1.04	82.41
99	14.22	4	2.28	0.81	25.54
100	14.76	3	2.10	0.72	67.99
101	14.44	4	1.77	0.44	26.10
102	14.27	4	2.39	0.65	40.75
103	14.67	4	2.39	0.65	80.90
104	13.46	4	2.27	0.95	38.28
105	14.76	4	2.08	0.34	75.89
106	14.29	4	2.33	1.09	26.96
107	15.35	4	2.73	0.91	73.79
108	14.34	4	2.57	0.56	77.60
109	15.12	4	2.11	0.48	61.10
110	15.12	4	2.16	0.87	74.95
Mean Dpar	= 2.30		Std. Dev. (um)	= 1.04	
Mean Dper	= 0.69		Skewness	= -0.63	
Mean length (um)	= 14.26+/- 0.10		Kurtosis	= 1.30	

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	11.87	4	3.16	0.57	73.49
2	13.64	4	3.16	0.57	28.46
3	14.10	4	3.16	0.57	34.19
4	12.63	4	2.28	0.43	75.12
5	13.07	4	2.28	0.43	86.31
6	16.05	4	1.93	0.82	15.78
7	12.73	2	2.30	0.96	67.26
8	14.30	4	2.25	1.06	69.65
9	15.11	4	2.25	1.06	78.72
10	15.11	4	2.25	1.06	46.77
11	12.64	4	2.25	1.06	81.24
12	12.35	4	2.25	1.06	78.22
13	14.04	4	2.25	1.06	13.57
14	14.97	4	2.25	1.06	73.29
15	12.56	4	2.25	1.06	82.84
16	13.15	4	2.25	1.06	52.83
17	13.00	4	2.25	1.06	85.77
18	14.95	4	2.25	1.06	63.59
19	15.08	4	2.25	1.06	72.12
20	14.96	4	2.25	1.06	67.08
21	14.26	4	2.25	1.06	52.43
22	15.28	4	2.25	1.06	45.50
23	13.25	4	2.25	1.06	64.96
24	13.88	4	2.25	1.06	79.91
25	12.81	4	2.25	1.06	83.91
26	13.77	4	2.25	1.06	81.36
27	14.20	4	1.73	0.58	59.90
28	13.03	4	1.73	0.58	76.54
29	12.90	4	1.73	0.58	77.26
30	13.88	4	1.73	0.58	78.69
31	13.45	4	1.73	0.58	67.72
32	12.76	4	2.34	0.92	87.49
33	12.96	4	2.94	0.94	65.86
34	14.70	4	2.94	0.94	64.44
35	13.77	4	2.94	0.94	59.22
36	14.42	4	2.94	0.94	58.80
37	13.70	4	2.94	0.94	38.48

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.80	4	2.18	1.05	67.86
39	15.00	4	2.41	1.01	34.56
40	14.51	4	2.41	1.01	68.38
41	15.23	4	2.41	1.01	17.20
42	14.24	4	2.41	1.01	54.96
43	14.98	4	2.41	1.01	10.56
44	15.17	4	2.63	0.87	71.45
45	10.18	4	2.63	0.87	79.74
46	15.20	4	2.63	0.87	52.36
47	14.36	4	2.63	0.87	68.92
48	13.72	4	2.60	0.94	54.63
49	13.96	4	1.60	0.37	84.44
50	15.13	4	1.60	0.37	57.50
51	14.47	2	1.76	0.34	20.10
52	14.72	4	2.61	0.87	23.81
53	13.43	4	2.61	0.87	87.65
54	14.68	4	2.00	0.92	51.01
55	14.72	4	2.87	0.77	57.53
56	14.13	4	2.87	0.77	33.75
57	14.85	4	2.87	0.77	81.60
58	16.50	4	2.03	0.44	48.02
59	13.88	4	2.03	0.44	52.06
60	15.31	4	1.81	0.30	29.52
61	15.29	4	1.81	0.30	71.41
62	14.53	4	1.81	0.30	89.90
63	14.15	4	1.81	0.30	4.76
64	15.04	4	1.81	0.30	56.92
65	14.76	4	1.81	0.30	61.67
66	15.22	4	1.74	0.38	77.63
67	15.04	4	3.20	0.96	72.04
68	8.29	4	2.45	0.76	34.98
69	13.55	4	2.45	0.76	66.38
70	13.64	4	2.45	0.76	66.25
71	14.70	4	2.45	0.76	31.35
72	13.45	4	2.45	0.76	58.59
73	15.74	4	2.17	0.67	77.30
74	13.50	4	1.61	0.35	65.87
75	11.30	4	2.60	1.04	88.26
76	14.53	4	2.61	0.66	65.29
77	14.29	4	1.55	0.33	41.85

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.59	4	1.55	0.33	88.56
79	14.19	4	1.55	0.33	33.50
80	15.54	2	1.51	0.43	68.98
81	8.73	2	1.51	0.43	62.51
82	15.53	4	2.36	0.95	79.20
83	14.10	4	2.36	0.95	53.64
84	13.90	4	2.36	0.95	72.58
85	14.26	4	2.26	1.06	60.26
86	14.28	4	2.26	1.06	41.51
87	14.23	4	2.94	0.87	86.50
88	15.39	4	2.94	0.87	66.61
89	14.55	2	2.31	0.61	58.70
90	12.26	2	2.31	0.61	53.24
91	12.17	4	1.86	0.44	51.66
92	14.34	4	2.46	1.08	40.00
93	13.04	4	2.46	1.08	32.71
94	9.71	4	2.46	1.08	73.53
95	13.28	4	2.46	1.08	47.44
96	15.33	4	2.21	0.98	41.93
97	14.34	4	2.21	0.98	68.78
98	14.54	4	2.21	0.98	40.16
99	15.90	4	2.26	0.61	22.29
100	14.13	4	2.17	0.70	52.52
101	13.39	4	2.17	0.70	52.30
102	14.26	4	2.17	0.70	19.59
103	14.83	4	2.17	0.70	73.01
104	13.79	4	2.17	0.70	50.74
105	12.96	4	2.14	0.81	69.57
106	16.49	4	2.18	0.90	69.99
107	15.15	4	2.39	0.54	82.86
108	14.66	4	2.39	0.54	38.26
109	14.63	4	2.06	1.03	78.84
110	13.31	4	2.06	1.03	82.72
111	14.47	4	1.63	0.47	63.54
112	14.99	4	1.98	0.98	57.64
113	13.88	4	2.30	0.85	75.86
114	15.22	4	2.30	0.85	19.08
115	12.23	4	2.30	0.85	58.65
116	14.59	4	2.30	0.85	53.35
117	13.13	4	2.30	0.85	61.81

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.97	4	2.30	0.85	67.17
119	5.99	4	2.30	0.85	88.79
120	15.17	4	2.30	0.85	85.95
121	14.51	4	2.28	0.61	45.15
122	15.58	4	2.44	1.03	78.44
123	14.19	4	2.44	1.03	33.13
124	13.00	4	3.21	0.91	47.19
125	12.97	4	3.21	0.91	56.21
126	13.75	4	3.21	0.91	57.53
127	15.55	4	2.45	1.03	79.83
128	14.28	4	2.45	1.03	52.92
129	15.04	4	2.06	0.31	64.16
130	13.12	4	2.06	0.31	70.98
131	15.11	4	2.06	0.31	69.93
132	14.61	4	2.06	0.31	67.16
133	14.49	4	2.06	0.31	45.88
134	14.97	4	2.06	0.31	55.36
135	15.58	4	2.06	0.31	29.92
136	13.21	4	2.06	0.31	59.07
137	14.59	4	2.06	0.31	45.32
138	13.43	4	1.80	0.39	65.44
139	14.59	4	1.80	0.39	55.97
140	15.50	4	1.80	0.39	71.15
141	14.65	4	1.80	0.39	61.17
142	7.79	4	1.80	0.39	60.17
143	13.39	4	1.80	0.39	18.55
144	16.70	4	2.11	0.44	66.26
145	13.95	4	2.11	0.44	12.45
146	13.60	4	2.47	0.92	27.44
147	12.32	1	1.77	0.44	88.97
148	14.27	3	1.60	0.28	68.90
149	12.39	3	1.60	0.28	62.49
150	9.75	4	2.65	0.89	45.66
151	13.00	4	2.65	0.89	53.41
152	15.10	4	2.31	0.95	85.10
153	13.60	4	2.31	0.95	67.98
154	15.96	4	2.26	0.70	40.49
155	14.51	4	2.26	0.70	52.10
156	13.73	4	2.26	0.70	67.70
157	12.58	4	2.26	0.70	86.68

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.52	3	2.37	0.44	76.97
159	13.30	3	2.37	0.44	50.67
160	14.62	4	2.96	0.78	61.62
161	13.90	4	2.96	0.78	40.04
162	14.69	4	2.45	0.65	60.41
163	13.84	4	2.45	0.65	73.42
164	13.03	4	2.40	1.08	46.05
165	12.91	4	2.37	0.98	69.65
166	14.17	4	1.47	0.37	87.92
167	15.80	4	2.27	1.12	31.47
168	7.79	4	2.08	0.80	83.98
169	13.99	4	1.64	0.31	66.10
170	14.57	4	1.64	0.31	68.20
171	16.12	4	2.01	0.53	47.43
172	13.68	4	2.01	0.53	80.06
173	13.47	4	2.01	0.53	31.92
174	12.37	4	1.79	0.51	31.21
175	14.01	4	1.79	0.51	20.33
176	4.53	2	1.74	0.37	63.34
177	12.78	2	1.74	0.37	50.11
178	14.17	4	1.98	0.80	69.86
179	14.05	4	1.98	0.80	75.03
180	14.12	4	2.16	0.78	86.57
181	14.79	4	2.16	0.78	84.08
182	14.73	4	2.16	0.78	58.30
183	13.85	4	2.16	0.78	34.30
184	14.61	4	1.99	0.72	59.46
185	15.02	4	2.64	0.78	48.79
186	14.63	4	2.64	0.78	40.68
187	12.41	4	2.40	0.67	54.82
188	11.33	4	2.40	0.67	73.08
189	11.95	4	2.45	0.87	68.44
190	14.15	4	2.45	0.87	66.38
191	14.71	4	2.13	0.33	41.70
192	13.01	4	2.27	0.95	67.65
193	15.48	4	2.37	0.85	36.94
194	13.77	4	2.37	0.85	66.86
195	14.37	4	2.37	0.85	27.63
196	15.12	4	2.37	0.85	24.69
197	15.51	4	2.13	0.44	18.98

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	15.52	4	2.13	0.44	61.65
199	12.98	4	2.31	0.77	87.76
200	15.17	4	2.31	0.77	74.34
201	13.81	4	2.31	0.77	36.42

Mean Dpar	= 2.25	Std. Dev. (um)	= 1.65
Mean Dper	= 0.73	Skewness	= -2.39
Mean length (um)	= 13.90+/- 0.12	Kurtosis	= 8.68

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.01	4	2.03	0.63	53.98
2	13.41	4	2.03	0.63	49.53
3	14.71	4	2.03	0.63	17.68
4	14.64	4	2.03	0.63	60.33
5	14.56	2	1.92	0.75	27.90
6	15.52	2	1.92	0.75	51.66
7	12.64	4	1.99	0.29	76.74
8	12.81	4	1.99	0.29	66.51
9	15.53	4	2.51	1.05	46.46
10	15.35	4	2.41	1.01	30.77
11	14.02	4	2.41	1.01	42.65
12	14.34	4	2.51	0.90	40.56
13	12.61	4	1.66	0.42	43.90
14	14.04	4	1.66	0.42	79.64
15	11.37	4	1.66	0.42	89.81
16	15.26	4	2.93	1.24	40.30
17	15.03	4	2.17	0.84	51.47
18	15.47	4	3.19	1.97	51.34
19	16.52	4	2.18	0.59	27.63
20	15.50	4	2.18	0.59	75.89
21	13.49	4	1.65	0.58	89.70
22	14.34	4	1.65	0.58	70.10
23	14.22	4	1.65	0.58	34.82
24	12.94	4	1.65	0.58	52.87
25	15.60	4	1.81	0.72	71.53
26	14.54	4	1.99	0.85	86.51
27	13.64	4	2.04	0.49	28.59
28	12.70	4	2.04	0.49	62.21
29	14.70	4	2.04	0.49	47.64
30	14.19	4	2.04	0.49	65.48
31	13.55	4	2.00	0.47	60.88
32	14.07	4	2.05	0.58	49.73
33	14.21	4	2.05	0.58	34.45
34	14.17	4	2.30	0.70	86.90
35	15.17	4	2.30	0.70	62.39
36	14.00	4	2.30	0.70	50.16
37	14.22	4	2.28	0.62	80.40

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.03	4	2.28	0.62	57.98
39	15.14	4	2.25	0.59	80.74
40	14.32	4	2.25	0.59	56.30
41	13.48	4	2.25	0.59	31.12
42	15.82	4	1.96	0.45	84.06
43	12.98	4	2.44	0.94	71.40
44	14.07	4	2.44	0.94	72.42
45	12.81	4	2.44	0.94	89.90
46	14.29	4	2.44	0.94	36.69
47	15.92	4	2.44	0.94	31.51
48	14.98	4	2.06	0.68	86.27
49	13.46	4	2.06	0.68	36.69
50	15.14	4	2.06	0.68	62.36
51	14.40	4	2.38	0.96	17.94
52	13.87	4	2.38	0.96	60.62
53	14.20	4	2.38	0.96	39.75
54	13.44	4	2.18	0.53	51.56
55	14.58	4	2.63	0.82	42.17
56	15.42	4	2.08	0.57	43.99
57	13.40	4	2.08	0.57	58.46
58	12.70	4	2.08	0.57	29.62
59	14.09	4	2.08	0.57	26.85
60	15.56	4	2.08	0.57	42.29
61	14.70	4	2.08	0.57	51.86
62	13.98	4	2.08	0.57	23.85
63	16.31	4	2.16	0.39	43.99
64	14.18	4	2.16	0.39	73.97
65	14.99	4	2.16	0.39	18.24
66	14.72	4	2.16	0.39	73.59
67	15.68	4	2.16	0.39	52.11
68	14.93	4	2.70	0.80	67.21
69	14.83	4	2.08	0.47	42.16
70	15.75	4	2.71	0.25	45.80
71	13.68	4	2.30	0.85	56.94
72	14.24	4	2.30	0.85	33.33
73	13.14	4	2.63	0.57	28.60
74	15.10	4	2.65	1.13	47.41
75	12.81	4	2.84	0.75	49.54
76	13.34	4	2.84	0.75	48.47
77	13.44	4	1.86	0.19	80.23

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.32	4	2.20	0.63	72.27
79	8.39	4	2.12	0.47	71.53
80	14.26	4	2.12	0.47	39.88
81	13.99	4	2.12	0.47	66.87
82	14.42	4	2.12	0.47	22.63

Mean Dpar	= 2.19	Std. Dev. (um)	= 1.17
Mean Dper	= 0.66	Skewness	= -1.52
Mean length (um)	= 14.24+/- 0.13	Kurtosis	= 6.02

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.70	4	2.04	0.54	11.27
2	14.83	4	1.91	0.35	65.81
3	15.93	4	2.98	1.39	78.57
4	12.70	4	2.98	1.39	87.68
5	15.46	4	2.98	1.39	59.44
6	16.69	4	1.92	0.85	29.97
7	14.36	4	1.91	0.62	70.97
8	14.67	4	1.91	0.62	74.29
9	12.16	4	1.91	0.62	68.02
10	14.82	4	1.91	0.62	68.69
11	15.16	4	2.12	0.45	42.20
12	13.28	4	2.12	0.45	49.74
13	15.46	4	1.90	0.37	65.91
14	13.92	4	1.90	0.37	26.80
15	15.22	4	1.97	0.39	60.35
16	14.37	4	1.97	0.39	59.03
17	13.54	4	2.30	0.75	69.44
18	13.23	4	2.30	0.75	53.76
19	14.82	4	2.30	0.75	77.55
20	14.60	4	2.30	0.75	24.92
21	15.69	4	1.78	0.33	40.33
22	16.87	4	1.78	0.33	43.20
23	14.88	4	2.65	0.61	84.94
24	11.68	4	1.94	0.30	61.13
25	14.54	4	1.94	0.30	23.46
26	15.96	4	1.94	0.30	44.27
27	15.04	4	1.94	0.30	42.77
28	11.42	4	1.94	0.30	85.49
29	14.02	4	1.94	0.30	87.92
30	14.71	4	1.94	0.30	72.06
31	14.55	4	1.94	0.30	46.27
32	15.16	4	1.85	0.52	61.01
33	12.07	4	1.85	0.52	60.07
34	14.66	4	1.85	0.52	33.31
35	14.55	4	2.24	0.94	70.17
36	11.50	4	2.24	0.94	75.24
37	15.49	4	2.24	0.94	23.25

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.85	4	2.24	0.94	54.06
39	15.53	4	2.99	0.81	81.15
40	14.21	4	2.99	0.81	76.27
41	14.10	4	2.19	0.78	79.54
42	13.33	4	2.19	0.78	37.22
43	14.27	4	2.19	0.78	47.16
44	9.93	4	2.19	0.78	72.57
45	16.14	4	2.19	0.78	19.37
46	14.22	4	2.19	0.78	58.24
47	13.98	4	2.19	0.78	83.53
48	13.81	4	2.19	0.78	47.56
49	13.26	4	2.19	0.78	69.93
50	12.68	4	2.19	0.78	69.73
51	12.41	4	2.19	0.78	81.14
52	12.77	4	2.19	0.78	82.11
53	13.55	4	2.19	0.78	43.58
54	15.46	4	2.19	0.78	41.84
55	14.20	4	2.19	0.78	79.80
56	14.74	4	2.19	0.78	51.73
57	14.28	4	2.19	0.78	30.10
58	13.77	4	2.19	0.78	66.56
59	15.75	4	3.07	1.09	69.62
60	13.72	1	2.31	0.71	73.86
61	15.19	1	2.31	0.71	54.32
62	12.94	1	2.31	0.71	72.52
63	13.94	4	2.33	0.68	58.15
64	14.02	4	2.33	0.68	77.36
65	14.06	4	2.33	0.68	57.91
66	12.99	4	2.33	0.68	70.97
67	14.04	4	2.33	0.68	70.22
68	14.51	4	2.33	0.68	84.74
69	14.39	4	2.33	0.68	77.35
70	13.64	4	2.33	0.68	88.22
71	13.28	4	2.33	0.68	66.42
72	14.20	4	2.33	0.68	76.64
73	11.04	4	2.33	0.68	71.86
74	14.47	4	2.33	0.68	24.15
75	14.24	4	2.33	0.68	52.78
76	15.88	4	2.64	0.61	72.89
77	13.91	4	2.64	0.61	34.61

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.59	4	2.64	0.61	73.50
79	14.07	4	2.64	0.61	46.81
80	13.62	4	2.64	0.61	65.97
81	13.69	4	2.34	0.95	81.18
82	14.30	4	2.34	0.95	63.09
83	13.47	4	2.01	0.65	55.11
84	14.37	4	2.01	0.65	36.65
85	14.58	4	2.68	0.81	55.32
86	13.86	4	2.68	0.81	57.56
87	13.88	4	2.68	0.81	38.36
88	14.31	2	2.48	1.06	57.78
89	14.08	1	1.60	0.51	27.63
90	14.64	1	1.60	0.51	64.15
91	12.77	4	2.03	0.87	71.10
92	13.43	4	2.03	0.87	65.57
93	13.96	4	2.03	0.87	24.13
94	14.61	4	1.88	0.84	81.30
95	14.74	4	1.91	0.21	89.10
96	14.86	4	1.94	0.42	88.05
97	13.92	4	1.94	0.42	37.80
98	14.12	4	2.76	0.80	46.45
99	14.50	4	2.76	0.80	46.16
100	14.21	4	2.76	0.80	39.76
101	14.16	4	2.76	0.80	72.62
102	12.24	4	2.44	0.77	72.61
103	14.07	4	2.44	0.77	62.63
104	14.33	4	2.44	0.77	41.31
105	12.75	4	2.24	0.84	42.77
106	14.62	4	2.24	0.84	69.85
107	13.33	4	1.68	0.37	50.79
108	14.11	4	1.68	0.37	40.48
109	14.75	4	2.23	0.57	72.69
110	10.92	4	2.23	0.57	37.53
111	15.05	4	2.23	0.57	89.60
112	14.92	4	2.37	0.45	89.98
113	14.40	4	2.37	0.45	25.30
114	13.99	4	2.37	0.45	38.38
115	14.08	4	2.37	0.45	55.45
116	13.64	4	2.37	0.45	51.02
117	15.15	4	2.37	0.45	16.86

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.80	4	1.90	0.37	59.92
119	14.01	4	1.90	0.37	82.40
120	11.93	4	1.90	0.37	53.71
121	15.74	4	2.04	0.91	44.33
122	14.28	4	2.04	0.91	34.02
123	14.43	4	2.04	0.91	50.23
124	13.83	4	2.14	0.80	75.68
125	14.20	4	1.99	0.35	48.69
126	13.07	4	1.91	0.42	76.90
127	13.66	4	1.91	0.42	48.18
128	12.35	4	1.91	0.42	34.57
129	11.76	4	1.91	0.42	62.29
130	12.57	4	1.91	0.42	35.16
131	13.81	4	1.91	0.42	39.90
132	13.76	4	1.91	0.42	72.72
133	9.55	4	2.10	0.45	62.23
134	15.28	4	2.10	0.45	59.10
135	14.90	4	2.10	0.45	36.56
136	12.83	4	2.07	0.82	86.82
137	14.42	4	2.07	0.82	32.39
138	14.78	4	2.34	0.52	52.41
139	14.31	4	2.34	0.52	22.45
140	9.65	4	2.34	0.52	78.68
141	14.27	4	2.34	0.52	56.92
142	14.23	4	1.99	0.66	44.85
143	9.27	4	1.92	0.54	87.50
144	12.52	4	1.92	0.54	64.31
145	13.42	4	1.92	0.54	44.02
146	13.41	4	1.92	0.54	61.55
147	13.21	4	1.92	0.54	79.71
148	15.42	4	1.92	0.54	42.92
149	13.74	4	1.92	0.54	36.96
150	14.67	4	1.92	0.54	78.07
151	14.16	4	1.92	0.54	38.21
152	16.55	4	1.92	0.54	71.44
153	10.87	4	1.92	0.54	81.26
154	12.46	4	1.92	0.54	54.86
155	14.40	4	1.92	0.54	33.40
156	16.30	4	1.92	0.54	24.45
157	13.15	4	1.92	0.54	45.50

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	11.01	4	1.92	0.54	56.18
159	15.91	4	1.92	0.54	40.09
160	14.31	4	1.85	0.40	29.47
161	13.02	4	1.85	0.40	41.77
162	12.88	4	1.87	0.49	84.00
163	13.97	4	1.87	0.49	39.49
164	15.07	4	2.25	0.98	46.40
165	4.84	4	2.25	0.98	69.26
166	14.35	4	2.25	0.98	63.60
167	12.53	4	3.38	0.73	68.75
168	14.44	4	3.38	0.73	16.57
169	14.66	4	3.38	0.73	69.77
170	12.69	4	3.38	0.73	67.09
171	13.88	4	2.26	0.63	73.45
172	13.99	4	1.77	0.45	74.00
173	14.49	4	1.77	0.45	42.20
174	15.10	4	1.88	0.40	88.43
175	12.61	4	1.88	0.40	55.78
176	11.48	4	1.88	0.40	40.64
177	14.33	4	1.88	0.40	83.04
178	14.19	4	1.88	0.40	32.33
179	13.86	4	1.88	0.40	58.98
180	14.21	4	1.88	0.40	30.91
181	12.07	4	1.88	0.40	56.10
182	16.04	4	2.48	0.89	82.89
183	15.15	4	2.48	0.89	42.54
184	14.91	4	2.48	0.89	39.83
185	12.03	4	2.48	0.89	26.12
186	13.08	4	1.97	0.34	71.76
187	14.63	4	1.97	0.34	15.36
188	13.81	4	2.91	0.67	32.27
189	14.40	4	2.91	0.67	50.39
190	13.54	4	2.91	0.67	81.30
191	13.26	4	2.91	0.67	48.03
192	14.68	4	2.66	1.04	69.83
193	14.58	4	2.66	1.04	62.77
194	13.97	2	1.74	0.56	44.30
195	15.81	4	2.65	0.71	89.20
196	13.71	4	2.65	0.71	54.73
197	15.66	4	2.65	0.71	66.39

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.69	4	2.08	0.67	39.26
199	13.92	4	2.08	0.67	87.21
200	16.10	4	2.08	0.67	54.78

Mean Dpar	= 2.21	Std. Dev. (um)	= 1.43
Mean Dper	= 0.64	Skewness	= -1.86
Mean length (um)	= 13.93+/- 0.10	Kurtosis	= 8.03

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.36	4	1.92	0.90	63.83
2	13.22	4	1.92	0.90	39.60
3	12.72	4	1.92	0.90	46.32
4	13.56	4	2.13	0.30	48.90
5	12.77	4	2.10	1.15	70.65
6	12.80	4	2.10	1.15	53.29
7	7.10	4	1.81	0.71	70.77
8	13.63	4	1.81	0.71	71.94
9	13.38	4	1.81	0.71	88.51
10	11.57	4	1.81	0.71	87.63
11	13.26	4	1.81	0.71	50.53
12	13.54	4	1.81	0.71	50.41
13	13.47	4	1.81	0.71	29.97
14	13.10	4	1.81	0.71	79.41
15	14.64	4	2.40	0.43	55.98
16	14.25	4	2.40	0.43	54.93
17	13.99	4	2.40	0.43	58.25
18	14.04	4	2.40	0.43	41.51
19	14.02	4	2.21	0.56	66.37
20	13.89	4	2.21	0.56	48.52
21	12.98	4	2.27	0.68	43.30
22	13.22	4	2.27	0.68	71.61
23	12.20	4	2.27	0.68	88.29
24	13.42	4	1.91	0.37	43.96
25	13.29	4	1.91	0.37	34.30
26	15.09	4	1.92	0.38	60.12
27	14.94	4	1.92	0.38	53.04
28	13.88	4	1.92	0.38	19.79
29	13.79	4	1.65	0.47	48.95
30	14.33	4	1.65	0.47	83.51
31	12.05	4	2.20	0.66	89.58
32	14.77	4	1.65	0.35	48.07
33	14.24	4	1.65	0.35	70.20
34	14.98	4	2.73	0.84	85.28
35	15.21	4	2.73	0.84	65.77
36	16.93	4	2.73	0.84	83.95
37	14.03	4	2.73	0.84	60.26

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.50	4	2.41	0.68	18.69
39	15.09	4	2.41	0.68	50.75
40	13.38	4	2.41	0.68	60.62
41	14.39	4	2.41	0.68	36.95
42	15.20	4	3.14	1.43	50.89
43	10.47	4	3.14	1.43	71.10
44	13.91	4	3.14	1.43	75.23
45	15.62	4	3.14	1.43	39.19
46	13.67	4	2.37	0.94	53.00
47	15.14	4	2.54	1.00	78.40
48	14.80	4	2.54	1.00	55.70
49	12.68	4	2.23	0.57	44.89
50	9.24	4	2.23	0.57	66.79
51	14.97	4	2.23	0.57	89.13
52	15.00	4	2.23	0.57	72.99
53	14.75	4	2.23	0.57	62.98
54	15.26	4	2.48	0.73	58.99
55	15.34	4	2.48	0.73	76.96
56	14.36	4	2.14	0.30	41.80
57	14.40	4	2.14	0.30	73.33
58	13.93	4	2.14	0.30	56.64
59	13.98	4	2.14	0.30	79.28
60	15.44	4	2.31	0.68	52.98
61	13.76	4	2.31	0.68	51.48
62	13.74	4	2.37	0.62	31.32
63	14.02	4	2.37	0.62	80.67
64	14.32	4	2.37	0.62	59.91
65	13.39	4	2.37	0.62	70.17
66	15.24	4	2.07	0.95	51.80
67	12.85	4	2.07	0.95	75.19
68	14.97	4	2.07	0.95	57.25
69	14.13	4	2.07	0.95	68.73
70	14.27	4	2.07	0.95	59.36
71	15.50	4	2.07	0.95	57.24
72	14.41	4	2.07	0.95	39.41
73	13.80	4	2.07	0.95	48.33
74	12.93	4	2.07	0.95	78.07
75	4.15	4	2.07	0.95	80.33
76	14.17	4	2.07	0.95	55.84
77	13.11	4	2.07	0.95	28.77

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.40	4	2.07	0.95	56.49
79	13.65	4	2.38	0.86	42.28
80	14.50	4	2.38	0.86	56.54
81	10.04	4	2.38	0.86	77.06
82	15.79	4	1.99	0.70	73.89
83	12.46	4	2.19	0.94	49.75
84	13.72	4	2.45	1.14	69.64
85	14.53	4	2.45	1.14	28.49
86	15.42	4	1.99	0.38	37.51
87	14.50	4	2.33	0.91	77.61
88	15.69	4	2.27	0.80	41.10
89	12.46	4	2.27	0.80	52.67
90	15.57	4	2.41	0.84	19.56
91	14.91	4	2.41	0.84	55.81
92	13.26	4	2.41	0.84	74.56
93	13.62	4	2.41	0.84	45.03
94	13.14	4	2.41	0.84	86.84
95	14.89	4	2.41	0.84	50.93
96	13.88	4	2.41	0.84	58.85
97	13.86	4	2.41	0.84	74.08
98	15.57	4	2.41	0.84	82.42
99	14.73	4	2.41	0.84	46.20
100	16.11	4	2.41	0.84	56.92
101	13.20	4	2.41	0.84	81.30
102	12.60	4	2.41	0.84	53.05
103	14.42	4	2.41	0.84	70.08
104	15.85	4	2.77	0.73	66.00
105	15.87	4	2.77	0.73	60.57
106	13.39	4	2.77	0.73	81.11
107	15.67	4	2.77	0.73	38.64
108	14.80	4	2.77	0.73	89.66
109	13.37	4	2.77	0.73	83.81
110	15.14	4	2.77	0.73	67.00
111	15.62	4	2.77	0.73	68.35
112	15.03	4	2.00	0.37	19.31
113	15.62	4	2.00	0.37	73.42
114	12.76	4	2.14	0.66	80.77
115	14.22	4	2.14	0.66	87.96
116	13.28	4	2.14	0.66	25.72
117	15.40	4	2.14	0.66	43.02

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.79	4	2.14	0.66	35.35
119	12.73	4	2.16	0.84	89.96
120	14.13	4	2.36	0.78	88.87
121	13.99	4	2.36	0.78	74.75
122	14.60	4	2.36	0.78	43.76
123	14.93	4	2.36	0.78	76.71
124	13.88	4	2.36	0.78	83.30
125	14.25	4	2.36	0.78	59.41
126	14.89	4	2.36	0.78	68.41
127	15.35	4	2.36	0.78	70.35
128	13.58	4	2.28	0.77	77.05
129	14.30	4	1.86	0.57	30.00
130	14.03	4	1.86	0.57	59.34
131	15.73	4	2.24	0.40	50.04
132	15.69	4	2.24	0.40	61.60
133	14.55	4	2.24	0.40	81.54
134	14.06	4	2.24	0.40	87.33
135	12.74	4	2.24	0.40	76.60
136	8.91	4	2.24	0.40	29.42
137	14.96	4	2.24	0.40	47.84
138	15.84	4	1.90	0.48	60.96
139	14.28	4	1.90	0.48	18.85
140	12.34	4	1.90	0.48	32.65
141	14.24	4	1.90	0.48	28.57
142	14.76	4	2.59	0.78	71.05
143	12.74	4	2.59	0.78	80.09
144	12.92	4	2.48	0.92	60.78
145	12.95	4	2.48	0.92	45.63
146	11.66	4	2.48	0.92	87.25
147	11.01	4	2.51	0.65	73.06
148	14.84	4	2.47	1.05	71.87
149	15.03	4	2.71	1.33	40.68
150	15.55	4	2.71	1.33	75.16
151	14.36	4	2.20	0.30	37.91
152	13.89	4	2.20	0.30	60.19
153	14.72	4	3.19	0.95	46.56
154	14.80	4	3.19	0.95	36.89
155	14.54	4	2.90	0.91	77.59
156	13.34	4	2.90	0.91	51.97
157	15.43	4	2.90	0.91	35.98

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.93	4	2.90	0.91	87.66
159	16.61	4	2.31	0.68	64.20
160	14.78	4	2.31	0.68	74.82
161	15.31	4	2.31	0.68	21.74
162	14.59	4	2.31	0.68	75.83
163	11.88	4	2.20	0.53	45.66
164	14.63	4	2.20	0.53	64.41
165	14.43	4	2.05	0.58	64.50
166	14.21	4	2.05	0.58	48.82
167	16.27	2	2.34	0.99	24.90
168	11.85	2	2.34	0.99	88.10
169	15.32	2	2.34	0.99	88.29
170	14.05	4	2.96	0.99	58.92
171	14.27	4	2.46	0.92	65.05
172	14.38	4	2.41	0.38	41.17
173	13.20	4	2.41	0.38	28.12
174	15.29	4	2.07	0.31	26.25
175	14.99	4	2.20	0.98	88.89
176	14.48	4	2.20	0.98	57.38
177	14.70	4	2.17	1.10	58.95
178	14.25	4	1.45	0.43	62.24
179	13.36	4	1.45	0.43	24.62
180	12.35	4	1.45	0.43	23.42
181	14.82	4	1.45	0.43	89.31
182	13.27	4	2.34	0.85	85.84
183	14.57	4	2.34	0.85	80.03
184	14.64	4	2.34	0.85	59.66
185	14.93	4	2.34	0.85	21.93
186	13.86	4	2.34	0.85	85.67
187	14.14	4	2.34	0.85	81.85
188	14.63	4	1.73	0.49	80.73
189	14.23	4	1.73	0.49	62.17
190	14.49	4	1.73	0.49	48.15
191	15.55	4	1.84	0.49	53.69
192	15.15	4	1.84	0.49	38.41
193	13.71	4	2.64	0.68	64.23
194	14.53	4	1.77	0.62	71.59
195	13.81	4	1.77	0.62	73.76
196	13.99	4	1.77	0.62	35.47
197	14.72	4	1.77	0.62	16.30

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	13.32	4	1.77	0.62	69.40
199	12.63	4	2.52	0.91	70.19
200	14.34	4	2.52	0.91	67.84
201	13.37	4	2.52	0.91	74.07

Mean Dpar	= 2.26	Std. Dev. (um)	= 1.47
Mean Dper	= 0.73	Skewness	= -2.49
Mean length (um)	= 14.03+/- 0.10	Kurtosis	= 11.83

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497-55

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.99	4	2.24	0.58	56.61
2	12.66	4	2.24	0.58	82.70
3	15.59	4	2.24	0.58	55.58
4	14.12	4	2.18	0.51	35.95
5	14.42	4	1.91	0.37	43.96
6	13.26	4	1.91	0.37	34.30
7	15.19	4	1.92	0.38	60.12
8	14.74	4	1.92	0.38	53.04
9	13.88	4	1.92	0.38	19.79
10	13.69	4	1.65	0.47	48.95
11	14.83	4	1.65	0.47	83.51
12	13.05	4	2.20	0.66	89.58
13	14.57	4	1.65	0.35	48.07
14	14.14	4	1.65	0.35	70.20
15	15.58	4	2.73	0.84	85.28
16	15.31	4	2.73	0.84	65.77
17	16.93	4	2.73	0.84	83.95
18	14.03	4	2.73	0.84	60.26
19	13.59	4	2.41	0.68	18.69
20	15.09	4	2.41	0.68	50.75
21	13.38	4	2.41	0.68	60.62
22	14.39	4	2.41	0.68	36.95
23	15.23	4	3.14	1.43	50.89
24	10.47	4	3.14	1.43	71.10
25	13.91	4	3.14	1.43	75.23
26	15.62	4	3.14	1.43	39.19
27	13.57	4	2.37	0.94	53.00
28	15.24	4	2.54	1.00	78.40
29	14.80	4	2.54	1.00	55.70
30	13.68	4	2.23	0.57	44.89
31	11.24	4	2.23	0.57	66.79
32	14.97	4	2.23	0.57	89.13
33	15.00	4	2.23	0.57	72.99
34	14.75	4	2.23	0.57	62.98
35	15.16	4	2.48	0.73	58.99
36	15.34	4	2.48	0.73	76.96
37	14.26	4	2.14	0.30	41.80

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.40	4	2.14	0.30	73.33
39	13.93	4	2.14	0.30	56.64
40	13.98	4	2.14	0.30	79.28
41	15.34	4	2.31	0.68	52.98
42	13.76	4	2.31	0.68	51.48
43	14.74	4	2.37	0.62	31.32
44	14.02	4	2.37	0.62	80.67
45	14.32	4	2.37	0.62	59.91
46	13.39	4	2.37	0.62	70.17
47	15.04	4	2.07	0.95	51.80
48	12.85	4	2.07	0.95	75.19
49	14.97	4	2.07	0.95	57.25
50	14.13	4	2.07	0.95	68.73
51	14.27	4	2.07	0.95	59.36
52	15.52	4	2.07	0.95	57.24
53	14.55	4	2.07	0.95	39.41
54	13.76	4	2.07	0.95	48.33
55	13.93	4	2.07	0.95	78.07
56	14.35	4	2.07	0.95	80.33
57	14.55	4	2.07	0.95	55.84
58	13.78	4	2.07	0.95	28.77
59	15.06	4	2.07	0.95	56.49
60	13.95	4	2.38	0.86	42.28
61	14.57	4	2.38	0.86	56.54
62	10.04	4	2.38	0.86	77.06
63	15.09	4	1.99	0.70	73.89
64	12.96	4	2.19	0.94	49.75
65	13.92	4	2.45	1.14	69.64
66	14.55	4	2.45	1.14	28.49
67	15.32	4	1.99	0.38	37.51
68	14.59	4	2.33	0.91	77.61
69	15.79	4	2.27	0.80	41.10
70	12.85	4	2.27	0.80	52.67
71	15.37	4	2.41	0.84	19.56
72	14.39	4	2.41	0.84	55.81
73	13.26	4	2.41	0.84	74.56
74	13.62	4	2.41	0.84	45.03
75	13.14	4	2.41	0.84	86.84
76	14.34	4	2.41	0.84	50.93
77	13.63	4	2.41	0.84	58.85

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.58	4	2.41	0.84	46.20
79	14.11	4	2.41	0.84	56.92
80	13.87	4	2.41	0.84	81.30
81	15.35	4	2.77	0.73	66.00
82	15.47	4	2.77	0.73	60.57
83	13.39	4	2.77	0.73	81.11
84	15.67	4	2.77	0.73	38.64
85	14.80	4	2.77	0.73	89.66
86	13.67	4	2.77	0.73	83.81
87	15.09	4	2.77	0.73	67.00
88	15.12	4	2.77	0.73	68.35
89	15.03	4	2.00	0.37	19.31
90	15.12	4	2.00	0.37	73.42
91	14.76	4	2.14	0.66	80.77
92	14.55	4	2.14	0.66	87.96
93	13.28	4	2.14	0.66	25.72
94	15.40	4	2.14	0.66	43.02
95	14.79	4	2.14	0.66	35.35
96	13.73	4	2.16	0.84	89.96
97	14.19	4	2.36	0.78	88.87
98	13.78	4	2.36	0.78	74.75
99	14.60	4	2.36	0.78	43.76
100	14.93	4	2.36	0.78	76.71
101	13.88	4	2.36	0.78	83.30
102	14.73	4	2.36	0.78	59.41
103	14.59	4	2.36	0.78	68.41
104	14.35	4	2.36	0.78	70.35
105	13.58	4	2.28	0.77	77.05
106	14.35	4	1.86	0.57	30.00
107	14.07	4	1.86	0.57	59.34
108	15.74	4	2.24	0.40	50.04
109	15.62	4	2.24	0.40	61.60
110	14.55	4	2.24	0.40	81.54
111	14.06	4	2.24	0.40	87.33
112	12.74	4	2.24	0.40	76.60
113	14.11	4	2.24	0.40	29.42
114	13.96	4	2.24	0.40	47.84
115	15.54	4	1.90	0.48	60.96
116	14.27	4	1.90	0.48	18.85
117	12.34	4	1.90	0.48	32.65

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.24	4	1.90	0.48	28.57
119	14.46	4	2.59	0.78	71.05
120	13.74	4	2.59	0.78	80.09

Mean Dpar	= 2.29	Std. Dev. (um)	= 1.00
Mean Dper	= 0.72	Skewness	= -1.21
Mean length (um)	= 14.31+/- 0.09	Kurtosis	= 3.60

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497-58

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.30	4	1.68	0.38	45.88
2	14.65	4	1.93	0.45	62.19

Mean Dpar	= 1.81	Std. Dev. (um)	= 0.25
Mean Dper	= 0.42	Skewness	= -0.00
Mean length (um)	= 14.48+/- 0.25	Kurtosis	= -2.75

02-OE-17
497-59

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.30	4	2.21	0.48	60.00
2	15.67	4	1.93	0.38	73.26
3	15.20	4	1.93	0.38	21.49
4	15.47	4	1.93	0.38	38.41
5	13.86	4	1.93	0.38	49.72
6	14.33	4	2.74	0.37	65.55
7	17.70	4	2.74	0.37	11.98
8	14.77	4	1.97	1.04	41.69
9	14.45	4	1.84	0.29	42.08
10	15.52	4	1.84	0.29	22.59
11	13.37	4	1.84	0.29	70.88
12	12.67	4	1.84	0.29	57.91
13	14.89	4	2.07	0.58	33.86
14	7.78	4	2.07	0.58	67.45
15	15.67	4	2.07	0.58	57.80
16	14.60	4	2.10	0.57	36.67
17	12.11	4	2.10	0.57	67.41
18	6.73	4	2.10	0.57	67.00
19	13.77	4	2.10	0.57	24.65
20	15.44	4	1.80	0.87	46.18
21	12.71	4	1.77	0.42	61.12
22	13.56	4	1.77	0.42	53.28
23	13.07	4	2.14	0.72	62.95
24	13.17	4	2.14	0.72	73.03
25	14.42	4	2.14	0.72	60.64
26	13.98	4	2.14	0.72	53.14
27	13.50	4	2.00	0.53	56.05
28	16.12	4	2.00	0.53	52.15
29	12.82	4	2.00	0.53	85.83
30	12.95	4	2.00	0.53	27.04
31	12.11	4	2.00	0.53	81.02
32	14.88	4	2.12	0.78	87.83
33	13.85	4	2.12	0.78	75.74
34	14.40	4	2.12	0.78	66.76
35	12.80	4	1.96	0.38	27.80
36	13.82	4	1.96	0.38	79.56
37	14.26	4	1.87	0.89	72.36

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.63	4	1.87	0.89	49.61
39	14.14	4	1.87	0.89	68.27
40	13.68	4	1.87	0.89	61.02
41	14.65	4	1.79	0.39	72.86
42	11.04	2	1.90	0.58	47.53
43	14.41	4	1.96	0.67	80.99
44	11.75	4	1.96	0.67	34.29
45	15.42	4	1.96	0.67	53.21
46	15.58	4	1.96	0.67	26.22
47	14.23	4	1.96	0.67	63.31
48	14.66	4	1.96	0.67	75.55
49	14.01	4	1.96	0.67	36.30
50	17.08	4	2.87	0.82	49.23
51	12.32	4	2.87	0.82	87.84
52	16.98	4	2.87	0.82	84.83
53	13.46	4	2.87	0.82	85.01
54	13.19	4	2.87	0.82	37.28
55	14.36	4	2.87	0.82	46.68
56	14.55	4	2.87	0.82	62.16
57	16.09	4	2.87	0.82	83.76
58	12.89	4	2.87	0.82	89.55
59	14.78	4	1.64	0.40	87.95
60	14.48	4	1.64	0.40	89.97
61	15.40	4	2.16	0.77	56.98
62	12.98	4	2.16	0.77	70.83
63	15.14	4	2.16	0.77	46.63
64	14.04	4	2.16	0.77	15.38
65	15.32	4	2.16	0.77	82.86
66	10.96	4	2.86	0.81	62.02
67	11.98	4	2.47	0.63	60.66
68	12.31	4	2.12	0.34	33.04
69	15.39	4	2.12	0.34	68.28
70	16.50	4	1.78	0.23	76.93
71	13.11	4	1.78	0.23	49.87
72	14.30	4	1.78	0.23	73.00
73	16.28	4	1.78	0.23	40.87
74	14.34	4	1.78	0.23	78.55
75	14.53	4	1.66	0.73	58.83
76	14.66	4	1.87	0.44	47.32
77	15.80	4	1.87	0.44	40.78

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	9.27	4	3.13	0.75	67.63
79	13.73	4	3.13	0.75	37.44
80	14.80	4	3.13	0.75	72.62
81	16.62	4	3.13	0.75	35.67
82	13.44	4	1.98	0.38	46.57
83	11.68	4	1.98	0.38	21.94
84	13.31	4	1.98	0.38	30.85
85	13.16	4	1.98	0.38	50.87
86	13.82	4	1.98	0.38	65.79
87	14.20	4	1.98	0.38	35.12
88	11.99	4	1.98	0.38	86.59
89	7.68	4	2.37	0.81	60.64
90	12.98	4	2.37	0.81	55.51
91	14.99	4	2.25	0.78	58.68
92	10.79	4	2.25	0.78	77.21
93	10.74	4	2.25	0.78	45.57
94	11.74	4	2.25	0.78	67.85
95	12.57	4	2.25	0.78	67.42
96	14.90	4	2.25	0.78	39.98
97	15.99	4	2.25	0.78	37.39
98	14.14	4	2.25	0.78	28.26
99	10.60	4	2.25	0.78	86.28
100	13.60	4	1.53	0.75	40.92
101	10.84	4	2.10	0.48	72.11
102	13.80	4	2.10	0.48	85.79
103	10.92	4	2.10	0.48	89.48
104	13.19	4	2.01	0.70	54.59
105	15.98	4	2.01	0.70	43.63
106	14.91	4	2.01	0.70	56.64
107	15.84	4	2.01	0.70	70.52
108	10.93	4	1.84	0.44	59.81
109	15.57	4	2.97	1.03	50.14
110	13.65	4	2.21	0.94	84.77
111	13.93	4	2.21	0.94	74.69
112	15.10	4	2.21	0.94	55.37
113	10.88	4	2.21	0.94	59.51
114	13.09	4	2.21	0.94	35.72
115	13.93	4	2.21	0.94	70.38
116	13.92	4	1.54	0.37	43.33
117	14.43	4	1.54	0.37	62.00

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	12.44	4	1.54	0.37	78.23
119	15.87	4	2.74	0.34	75.69
120	13.46	4	2.48	0.71	18.96
121	14.17	4	2.48	0.71	32.44
122	14.93	4	2.48	0.71	79.16
123	14.64	4	2.48	0.71	72.96
124	14.35	4	1.43	0.48	41.50
125	14.76	4	1.43	0.48	11.32
126	15.09	4	2.13	0.68	51.85
127	15.18	4	2.13	0.68	55.83
128	8.76	4	2.13	0.68	76.70
129	15.47	4	2.13	0.68	17.32
130	15.25	4	2.13	0.68	31.91
131	13.66	2	3.21	0.67	59.38
132	11.65	4	2.30	0.81	61.46
133	12.06	4	2.30	0.81	64.72
134	12.80	4	2.31	0.43	22.41
135	12.75	4	2.31	0.43	76.49
136	11.39	4	2.31	0.43	54.44
137	12.09	4	2.31	0.43	52.65
138	15.18	4	2.31	0.43	59.16
139	13.00	4	2.31	0.43	26.02
140	14.24	4	2.31	0.43	74.67
141	14.80	4	2.31	0.43	60.11
142	13.88	4	2.31	0.43	66.52
143	14.17	4	1.81	0.31	58.61
144	14.29	4	1.81	0.31	72.09
145	15.42	4	1.81	0.31	26.99
146	16.40	4	1.81	0.31	31.32
147	14.22	4	1.59	0.48	66.67
148	15.08	4	2.41	0.35	53.28
149	14.99	4	2.41	0.35	84.14
150	11.38	4	2.41	0.35	52.17
151	14.93	4	2.41	0.35	46.84
152	14.99	4	2.41	0.35	76.12
153	11.28	4	2.41	0.35	60.84
154	9.46	4	2.41	0.35	83.28
155	14.80	4	2.41	0.35	74.77
156	12.51	4	2.41	0.35	84.04
157	15.00	4	2.41	0.35	28.33

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	14.99	4	2.41	0.35	42.42
159	14.20	4	2.48	0.75	85.67
160	13.22	4	2.48	0.75	49.93
161	13.52	4	2.48	0.75	58.48
162	14.65	4	2.48	0.75	67.75
163	11.55	4	2.48	0.75	72.51
164	11.72	4	2.48	0.75	75.33
165	12.79	4	2.12	0.78	42.12
166	14.56	4	2.12	0.78	40.85
167	9.75	4	2.12	0.78	70.36
168	14.60	4	2.12	0.78	64.63
169	13.78	4	2.12	0.78	41.40
170	13.23	4	2.12	0.78	86.75
171	11.87	4	2.12	0.78	59.66
172	14.12	4	2.12	0.56	71.80
173	13.72	3	2.28	0.96	68.41
174	12.91	3	2.28	0.96	49.62
175	10.85	3	2.28	0.96	83.57
176	14.49	3	2.28	0.96	49.35
177	14.29	3	2.28	0.96	60.12
178	12.55	3	2.28	0.96	31.19
179	10.64	3	2.28	0.96	76.19
180	11.77	4	2.98	0.68	77.09
181	15.31	4	2.13	0.47	41.15
182	14.14	4	2.13	0.47	78.96
183	16.41	4	1.92	0.52	67.96
184	14.15	4	2.01	0.37	57.74
185	14.84	4	2.01	0.37	44.59
186	13.10	4	2.01	0.37	47.58
187	13.86	4	1.66	0.35	71.34
188	12.04	4	1.66	0.35	56.10
189	12.22	2	2.80	0.35	71.23
190	13.59	2	2.80	0.35	27.91
191	15.84	4	1.71	0.33	35.35
192	15.70	4	1.71	0.33	35.39
193	13.32	4	2.53	0.43	41.37
194	13.47	4	2.53	0.43	70.99
195	12.73	4	2.53	0.43	55.27
196	13.86	4	2.53	0.43	82.22
197	15.68	4	2.53	0.43	42.97

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.87	4	2.04	0.49	89.31
199	15.67	4	1.77	0.33	57.29
200	12.76	4	2.04	0.29	36.19
201	11.82	4	2.04	0.29	52.12

Mean Dpar	= 2.18	Std. Dev. (um)	= 1.77
Mean Dper	= 0.59	Skewness	= -0.95
Mean length (um)	= 13.72+/- 0.12	Kurtosis	= 1.53

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	12.10	4	2.24	0.34	56.87
2	11.90	4	2.24	0.34	14.85
3	12.71	4	2.24	0.34	50.69
4	13.76	4	2.24	0.34	79.50
5	15.26	4	2.24	0.34	46.43
6	13.85	4	2.24	0.34	48.67
7	15.10	4	2.24	0.34	78.70
8	14.69	4	2.24	0.34	70.76
9	13.15	4	2.24	0.34	61.55
10	13.11	2	3.04	0.73	80.60
11	12.87	2	3.04	0.73	66.81
12	13.27	4	1.72	0.53	80.21
13	13.68	4	1.72	0.53	47.70
14	11.38	4	1.72	0.53	47.83
15	13.64	4	1.72	0.53	54.65
16	13.94	4	2.54	0.92	62.48
17	14.23	4	2.54	0.92	63.34
18	15.19	4	2.54	0.92	37.54
19	15.00	4	2.54	0.92	53.68
20	12.43	4	2.54	0.92	60.32
21	11.49	4	2.54	0.92	85.77
22	14.10	4	2.54	0.92	46.77
23	15.06	4	2.54	0.92	87.28
24	12.73	4	2.54	0.92	37.21
25	14.06	4	2.54	0.92	86.32
26	14.51	4	2.54	0.92	69.52
27	14.88	4	2.96	0.51	44.15
28	12.55	4	2.96	0.51	58.63
29	15.15	4	2.74	0.86	45.23
30	14.71	4	2.07	0.51	41.18
31	14.76	4	2.01	0.57	65.17
32	13.59	4	1.86	0.70	53.48
33	14.52	4	1.86	0.70	13.67
34	13.42	4	2.00	0.61	85.52
35	14.17	4	2.00	0.61	48.76
36	10.55	4	2.00	0.61	60.04
37	13.71	4	2.00	0.61	43.26

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.34	4	2.00	0.61	41.79
39	14.91	4	2.38	0.49	31.44
40	15.47	4	2.38	0.49	43.89
41	10.57	4	2.38	0.49	73.28
42	10.40	4	2.38	0.49	80.71
43	13.08	4	2.38	0.49	81.09
44	14.47	4	2.38	0.49	24.18
45	15.50	4	2.38	0.49	51.02
46	13.66	4	2.16	0.72	43.16
47	11.89	1	1.97	0.62	33.09
48	9.17	4	2.03	0.43	78.29
49	12.95	4	1.92	0.38	62.01
50	12.65	4	1.92	0.38	65.09
51	13.29	4	1.92	0.38	59.78
52	9.77	4	1.68	0.43	62.74
53	14.50	4	2.66	1.22	17.73
54	15.22	4	2.66	1.22	57.69
55	14.52	4	2.66	1.22	40.05
56	14.09	4	2.66	1.22	35.33
57	13.90	4	2.66	1.22	66.33
58	15.33	1	1.65	0.63	61.16
59	12.76	4	2.59	0.51	22.70
60	15.35	4	2.59	0.51	53.98
61	11.75	4	2.59	0.51	58.11
62	15.09	4	2.59	0.51	20.66
63	13.43	4	2.59	0.51	59.29
64	15.26	4	2.59	0.51	57.78
65	13.94	4	1.67	0.26	63.99
66	13.61	4	1.67	0.26	36.81
67	13.42	4	1.67	0.26	43.76
68	14.16	4	1.67	0.26	16.63
69	13.21	4	1.94	0.31	76.74
70	14.19	4	1.94	0.31	28.11
71	12.17	4	1.94	0.31	66.57
72	15.29	4	1.94	0.31	68.08
73	11.34	4	1.94	0.31	72.65
74	12.30	4	1.94	0.31	84.24
75	13.78	4	1.94	0.31	19.28
76	13.35	4	1.94	0.31	33.25
77	12.80	4	1.81	0.52	68.59

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	12.62	4	1.81	0.52	46.21
79	13.18	4	2.18	0.66	18.91
80	15.15	4	2.05	0.34	34.74
81	15.25	4	2.05	0.34	36.88
82	13.97	4	2.05	0.34	56.29
83	12.93	4	2.05	0.34	47.92
84	15.03	4	2.05	0.34	28.72
85	14.40	4	2.05	0.34	35.05
86	12.58	4	1.81	0.44	77.80
87	15.09	4	2.18	0.56	14.81
88	12.57	4	2.18	0.56	88.35
89	15.37	4	1.93	0.33	44.38
90	13.94	4	1.93	0.33	80.07
91	13.91	4	1.93	0.33	79.01
92	14.67	4	1.93	0.33	88.24
93	12.75	4	2.05	1.08	33.04
94	12.33	4	2.05	1.08	88.12
95	13.24	4	2.05	1.08	53.04
96	13.39	4	2.36	0.38	66.49
97	9.93	4	2.36	0.38	75.04
98	13.46	4	2.36	0.38	89.57
99	9.63	4	2.36	0.38	85.04
100	14.92	4	2.36	0.38	59.08
101	12.71	4	1.97	0.53	55.75
102	14.53	4	1.97	0.53	73.26
103	10.97	4	1.97	0.53	78.29
104	14.88	4	1.97	0.53	27.19
105	14.01	4	1.97	0.53	37.43
106	14.50	4	1.97	0.53	59.95
107	9.76	4	1.97	0.57	84.48
108	13.90	4	1.97	0.57	64.75
109	12.85	4	1.97	0.57	40.73
110	10.98	4	1.96	0.77	67.16
111	14.70	4	1.96	0.77	17.53
112	10.57	4	1.96	0.77	64.04
113	12.29	4	1.96	0.77	84.89
114	11.54	4	1.96	0.77	60.69
115	10.93	4	1.96	0.77	22.25
116	10.93	4	1.96	0.77	45.18
117	11.17	4	1.96	0.77	54.94

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	12.03	4	1.96	0.77	72.34
119	15.26	4	1.96	0.77	60.76
120	15.13	4	1.96	0.77	68.45
121	15.18	4	1.96	0.77	55.57
122	15.76	4	1.96	0.77	73.21
123	11.67	4	1.96	0.77	81.11
124	11.93	4	1.96	0.77	50.39
125	12.17	4	1.96	0.77	36.33
126	12.23	4	1.96	0.77	47.80
127	13.06	4	1.96	0.77	64.78
128	14.39	4	1.96	0.77	66.41
129	13.59	4	1.96	0.77	83.87
130	12.65	4	1.96	0.77	69.44
131	10.96	4	1.96	0.77	80.81
132	11.44	4	1.96	0.77	82.59
133	8.74	4	1.96	0.77	67.92
134	14.92	4	2.68	0.73	79.35
135	13.27	4	2.68	0.73	81.55
136	11.40	4	2.68	0.73	40.97
137	14.11	4	2.68	0.73	49.46
138	14.40	4	2.68	0.73	53.44
139	16.17	4	2.44	1.00	36.87
140	14.17	4	2.44	1.00	51.71
141	12.94	4	2.44	1.00	56.98
142	13.47	4	2.20	0.45	17.75
143	12.61	4	1.59	0.39	43.52
144	13.61	4	2.33	0.89	36.71
145	12.75	4	2.33	0.89	60.95
146	14.39	4	2.33	0.89	58.47
147	10.98	4	2.33	0.89	42.42
148	13.78	4	2.33	0.89	51.10
149	13.44	4	2.33	0.89	73.59
150	12.89	4	2.33	0.89	33.69
151	14.74	4	2.33	0.89	61.11
152	13.04	4	1.85	0.33	35.50
153	10.10	4	1.85	0.33	68.84
154	13.40	4	2.08	0.43	80.14
155	12.60	4	2.08	0.43	67.48
156	12.53	4	2.08	0.43	43.38
157	14.18	4	2.08	0.43	38.93

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	15.66	4	1.70	0.39	72.89
159	12.94	4	1.70	0.39	27.48
160	15.63	4	1.70	0.39	27.19
161	14.02	4	2.05	0.84	41.01
162	14.87	4	2.05	0.84	69.48
163	14.27	1	1.99	0.57	51.68
164	14.25	1	1.99	0.57	52.40
165	9.14	4	2.30	0.94	71.16
166	12.51	4	1.90	0.34	58.97
167	14.66	4	1.90	0.34	34.42
168	13.17	4	2.71	0.45	75.09
169	15.09	4	2.71	0.45	29.52
170	14.99	4	2.71	0.45	42.83
171	14.32	4	2.71	0.45	76.59
172	14.08	4	2.12	0.51	60.90
173	15.84	4	1.91	0.34	82.37
174	13.29	4	1.91	0.34	86.10
175	13.68	4	1.90	0.47	15.84
176	13.03	4	1.87	0.18	63.96
177	13.82	4	1.87	0.18	50.02
178	13.05	4	2.25	0.75	70.10
179	14.34	4	2.25	0.75	86.94
180	14.35	4	2.25	0.75	63.20
181	12.13	4	2.47	1.04	73.78
182	9.39	4	2.47	1.04	51.21
183	16.09	4	2.47	1.04	55.38
184	13.98	4	1.93	0.43	53.15
185	12.86	4	1.93	0.43	87.53
186	13.68	4	1.93	0.43	51.54
187	14.01	4	2.57	0.75	48.85
188	13.30	2	1.24	0.26	33.28
189	14.16	4	1.76	0.70	52.67
190	11.51	4	2.32	0.53	37.95
191	11.25	4	2.32	0.53	85.79
192	12.52	4	1.73	0.75	70.37
193	14.60	4	1.73	0.75	41.07
194	15.60	4	2.03	0.53	38.41
195	13.64	4	2.03	0.53	58.48
196	11.97	4	2.56	0.57	53.71
197	12.34	4	2.56	0.57	17.46

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	11.56	4	1.85	0.42	88.76
199	13.03	4	1.85	0.42	76.36
200	14.19	4	1.85	0.42	89.53
201	12.80	4	1.85	0.42	61.12

Mean Dpar	= 2.15	Std. Dev. (um)	= 1.53
Mean Dper	= 0.60	Skewness	= -0.69
Mean length (um)	= 13.36+/- 0.11	Kurtosis	= 0.14

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	12.40	4	2.53	0.49	65.76
2	14.13	4	1.64	0.44	34.69
3	14.06	4	1.64	0.44	42.36
4	16.18	4	1.84	0.24	43.64
5	14.71	4	1.77	0.49	9.17
6	11.90	4	1.77	0.49	64.36
7	13.93	4	1.77	0.49	16.55
8	10.67	4	1.77	0.49	69.86
9	15.97	4	1.74	0.28	71.53
10	15.48	4	2.12	0.51	72.05
11	13.90	4	2.12	0.51	27.63
12	16.32	4	2.11	1.17	35.74
13	16.84	4	2.11	1.17	15.00
14	15.17	4	2.11	1.17	74.17
15	14.46	4	2.11	1.17	64.61
16	13.24	4	2.11	1.17	51.37
17	14.48	4	1.67	0.59	41.76
18	15.02	4	1.67	0.59	87.10
19	14.39	4	1.67	0.59	52.42
20	15.14	4	2.26	0.49	38.73
21	13.51	4	2.00	0.61	85.52
22	14.34	4	2.00	0.61	48.76
23	11.55	4	2.00	0.61	60.04
24	13.77	4	2.00	0.61	43.26
25	14.39	4	2.00	0.61	41.79
26	14.94	4	2.38	0.49	31.44
27	14.47	4	2.38	0.49	43.89
28	12.57	4	2.38	0.49	73.28
29	10.45	4	2.38	0.49	80.71
30	13.59	4	2.38	0.49	81.09
31	14.48	4	2.38	0.49	24.18
32	14.50	4	2.38	0.49	51.02
33	13.78	4	2.16	0.72	43.16
34	12.81	1	1.97	0.62	33.09
35	11.17	4	2.03	0.43	78.29
36	13.95	4	1.92	0.38	62.01
37	12.39	4	1.92	0.38	65.09

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	10.29	4	1.92	0.38	59.78
39	9.97	4	1.68	0.43	62.74
40	14.57	4	2.66	1.22	17.73
41	14.25	4	2.66	1.22	57.69
42	14.67	4	2.66	1.22	40.05
43	14.21	4	2.66	1.22	35.33
44	13.99	4	2.66	1.22	66.33
45	15.43	1	1.65	0.63	61.16
46	12.79	4	2.59	0.51	22.70
47	15.74	4	2.59	0.51	53.98
48	11.42	4	2.59	0.51	58.11
49	15.11	4	2.59	0.51	20.66
50	13.49	4	2.59	0.51	59.29
51	14.07	4	2.59	0.51	57.78
52	13.74	4	1.67	0.26	63.99
53	13.58	4	1.67	0.26	36.81
54	12.42	4	1.67	0.26	43.76
55	14.19	4	1.67	0.26	16.63
56	14.21	4	1.94	0.31	76.74
57	14.15	4	1.94	0.31	28.11
58	12.66	4	1.94	0.31	66.57
59	15.19	4	1.94	0.31	68.08
60	11.39	4	1.94	0.31	72.65
61	12.89	4	1.94	0.31	84.24
62	13.98	4	1.94	0.31	19.28
63	13.45	4	1.94	0.31	33.25
64	12.90	4	1.81	0.52	68.59
65	12.58	4	1.81	0.52	46.21
66	13.14	4	2.18	0.66	18.91
67	15.25	4	2.05	0.34	34.74
68	15.29	4	2.05	0.34	36.88
69	13.99	4	2.05	0.34	56.29
70	13.87	4	2.05	0.34	47.92
71	15.21	4	2.05	0.34	28.72
72	14.75	4	2.05	0.34	35.05
73	13.66	4	1.81	0.44	77.80
74	15.55	4	2.18	0.56	14.81
75	12.71	4	2.18	0.56	88.35
76	15.21	4	1.93	0.33	44.38
77	13.99	4	1.93	0.33	80.07

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.90	4	1.93	0.33	79.01
79	13.67	4	1.93	0.33	88.24
80	13.75	4	2.05	1.08	33.04
81	12.37	4	2.05	1.08	88.12
82	13.56	4	2.05	1.08	53.04
83	13.52	4	2.36	0.38	66.49
84	10.93	4	2.36	0.38	75.04
85	13.39	4	2.36	0.38	89.57
86	10.63	4	2.36	0.38	85.04
87	14.49	4	2.36	0.38	59.08
88	12.68	4	1.96	0.53	55.75
89	14.57	4	1.96	0.53	73.26
90	10.87	4	1.96	0.53	78.29
91	14.81	4	1.96	0.53	27.19
92	14.21	4	1.96	0.53	37.43
93	14.71	4	1.96	0.53	59.95
94	11.71	4	2.00	0.57	84.48
95	13.89	4	2.00	0.57	64.75
96	12.89	4	2.00	0.57	40.73
97	10.99	4	2.03	0.77	67.16
98	14.71	4	2.03	0.77	17.53
99	11.57	4	2.03	0.77	64.04
100	12.22	4	2.03	0.77	84.89
101	11.59	4	2.03	0.77	60.69
102	14.69	4	2.71	0.73	79.35
103	13.28	4	2.71	0.73	81.55
104	10.40	4	2.71	0.73	40.97
105	14.19	4	2.71	0.73	49.46
106	14.43	4	2.71	0.73	53.44
107	15.17	4	2.48	1.00	36.87
108	14.19	4	2.48	1.00	51.71
109	12.89	4	2.48	1.00	56.98
110	13.17	4	2.25	0.45	17.75
111	12.78	4	1.65	0.39	43.52
112	13.78	4	2.37	0.89	36.71
113	12.69	4	2.37	0.89	60.95
114	14.90	4	2.37	0.89	58.47
115	10.99	4	2.37	0.89	42.42
116	13.79	4	2.37	0.89	51.10
117	13.49	4	2.37	0.89	73.59

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.81	4	2.37	0.89	33.69
119	14.24	4	2.37	0.89	61.11
120	13.79	4	1.86	0.33	35.50
121	10.19	4	1.86	0.33	68.84
122	13.99	4	2.00	0.43	80.14
123	12.65	4	2.00	0.43	67.48
124	12.49	4	2.00	0.43	43.38
125	14.22	4	2.00	0.43	38.93
126	15.53	4	1.79	0.39	72.89
127	12.49	4	1.79	0.39	27.48
128	15.27	4	1.79	0.39	27.19
129	14.12	4	2.00	0.84	41.01
130	14.37	4	2.00	0.84	69.48
131	14.17	1	1.90	0.57	51.68
132	14.35	1	1.90	0.57	52.40
133	9.97	4	2.38	0.94	71.16
134	12.51	4	1.99	0.34	58.97
135	14.69	4	1.99	0.34	34.42
136	13.17	4	2.76	0.45	75.09
137	15.00	4	2.76	0.45	29.52
138	14.99	4	2.76	0.45	42.83
139	14.52	4	2.76	0.45	76.59
140	9.08	4	2.13	0.51	60.90
141	15.80	4	1.90	0.34	82.37
142	13.35	4	1.90	0.34	86.10
143	13.71	4	1.97	0.47	15.84
144	13.56	4	1.91	0.18	63.96
145	13.82	4	1.91	0.18	50.02
146	13.11	4	2.36	0.75	70.10
147	14.34	4	2.36	0.75	86.94
148	14.35	4	2.36	0.75	63.20
149	12.19	4	2.39	1.04	73.78
150	10.35	4	2.39	1.04	51.21
151	15.09	4	2.39	1.04	55.38
152	13.77	4	2.03	0.43	53.15
153	12.87	4	2.03	0.43	87.53
154	14.68	4	2.03	0.43	51.54
155	14.23	4	2.61	0.75	48.85
156	13.31	2	1.52	0.26	33.28
157	14.17	4	1.65	0.70	52.67

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	11.53	4	2.36	0.53	37.95
159	14.25	4	2.36	0.53	85.79
160	12.55	4	1.78	0.75	70.37
161	10.60	4	1.78	0.75	41.07
162	15.67	4	2.01	0.53	38.41
163	14.64	4	2.01	0.53	58.48
164	12.97	4	2.47	0.57	53.71
165	12.97	4	2.47	0.57	17.46
166	10.56	4	1.91	0.42	88.76
167	13.67	4	1.91	0.42	76.36
168	14.02	4	1.91	0.42	89.53
169	12.89	4	1.91	0.42	61.12
170	15.25	4	1.97	0.39	60.35
171	14.55	4	1.97	0.39	59.03
172	13.55	4	2.30	0.75	69.44
173	13.70	4	2.30	0.75	53.76
174	14.48	4	2.30	0.75	77.55
175	14.56	4	2.30	0.75	24.92
176	15.32	4	1.78	0.33	40.33
177	15.87	4	1.78	0.33	43.20
178	14.92	4	2.65	0.61	84.94
179	11.62	4	1.94	0.30	61.13
180	14.56	4	1.94	0.30	23.46
181	15.28	4	1.94	0.30	44.27
182	15.68	4	1.94	0.30	42.77
183	11.11	4	1.94	0.30	85.49
184	14.33	4	1.94	0.30	87.92
185	14.73	4	1.94	0.30	72.06
186	14.59	4	1.94	0.30	46.27
187	15.23	4	1.85	0.52	61.01
188	12.27	4	1.85	0.52	60.07
189	14.61	4	1.85	0.52	33.31
190	14.37	4	2.24	0.94	70.17
191	11.67	4	2.24	0.94	75.24
192	15.41	4	2.24	0.94	23.25
193	14.23	4	2.24	0.94	54.06
194	15.51	4	2.99	0.81	81.15
195	14.79	4	2.99	0.81	76.27
196	14.11	4	2.19	0.78	79.54
197	13.32	4	2.19	0.78	37.22

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	15.70	4	3.07	1.09	69.62
199	13.99	1	2.31	0.71	73.86
200	15.23	1	2.31	0.71	54.32
201	12.87	1	2.31	0.71	72.52

Mean Dpar	= 2.13	Std. Dev. (um)	= 1.45
Mean Dper	= 0.58	Skewness	= -0.77
Mean length (um)	= 13.67+/- 0.10	Kurtosis	= 0.22

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.76	4	1.44	0.18	37.04
2	14.06	4	1.44	0.18	54.55
3	13.81	4	1.44	0.18	80.33
4	13.87	4	1.44	0.18	21.70
5	14.84	4	1.44	0.18	8.77
6	15.27	4	1.44	0.18	33.89
7	13.98	4	1.44	0.18	55.27
8	15.60	4	1.44	0.18	53.77
9	13.67	4	2.26	0.63	60.84
10	13.84	4	2.26	0.63	25.53
11	13.21	4	1.68	0.43	38.87
12	10.03	4	1.68	0.43	44.76
13	11.58	4	1.68	0.43	86.60
14	15.31	4	1.51	0.26	67.92
15	14.50	4	2.13	0.82	46.64
16	15.31	4	2.13	0.82	59.74
17	15.06	4	1.39	0.39	30.11
18	13.79	1	1.63	0.66	54.17
19	13.72	1	1.63	0.66	22.42
20	14.13	4	2.68	0.81	43.44
21	12.50	4	2.68	0.81	48.36
22	11.63	4	1.91	0.51	47.50
23	13.64	4	1.91	0.51	83.77
24	14.35	4	1.91	0.51	60.82
25	16.00	4	1.91	0.51	49.76
26	13.12	4	1.91	0.51	74.39
27	14.12	4	1.91	0.51	17.88
28	12.39	4	2.43	0.45	24.18
29	14.13	4	3.16	0.77	49.73
30	15.61	4	3.16	0.77	33.48
31	13.91	4	3.16	0.77	27.02
32	14.07	3	1.97	0.86	16.10
33	14.17	3	1.97	0.86	61.93
34	14.68	3	1.97	0.86	24.28
35	14.53	3	1.97	0.86	40.02
36	14.29	3	1.97	0.86	26.21
37	12.69	3	1.97	0.86	76.18

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.34	4	2.74	1.19	15.24
39	7.46	4	2.74	1.19	82.71
40	13.07	4	2.73	0.70	60.92
41	14.91	4	2.73	0.70	80.88
42	12.47	4	2.73	0.70	74.12
43	14.77	4	2.73	0.70	40.97
44	14.70	4	1.77	0.45	52.99
45	14.75	4	1.77	0.45	36.58
46	14.80	4	1.77	0.45	76.72
47	14.13	4	1.77	0.45	22.03
48	13.66	4	1.77	0.45	78.02
49	13.67	4	1.77	0.45	50.28
50	14.73	4	1.77	0.45	50.95
51	10.56	4	1.77	0.45	58.43
52	10.09	4	1.77	0.45	69.84
53	13.16	4	1.77	0.45	89.23
54	16.10	4	1.77	0.45	34.42
55	15.52	4	1.77	0.45	35.60
56	12.60	4	1.77	0.45	22.91
57	14.38	4	2.00	0.51	88.14
58	13.19	4	2.00	0.51	22.78
59	10.40	4	1.63	0.48	89.65
60	12.70	4	2.30	0.43	51.65
61	14.26	4	2.53	1.05	34.53
62	13.86	4	2.53	1.05	54.95
63	15.22	4	2.53	1.05	43.54
64	10.97	4	2.41	0.84	88.52
65	8.52	4	2.41	0.84	83.13
66	12.68	4	2.41	0.84	76.48
67	13.01	4	2.16	0.26	52.74
68	13.43	4	2.16	0.65	33.36
69	13.72	4	2.16	0.65	56.25
70	15.04	4	2.16	0.65	16.02
71	13.61	4	2.16	0.65	76.30
72	14.84	4	2.16	0.65	31.71
73	14.92	4	2.12	0.57	54.04
74	15.54	4	2.04	0.58	30.87
75	14.64	4	2.04	0.58	51.25
76	11.50	4	2.64	0.94	33.90
77	15.52	4	2.64	0.94	16.17

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.19	4	2.24	0.94	88.69
79	15.06	4	2.24	0.94	45.06
80	15.59	4	2.24	0.94	42.27
81	13.51	4	1.90	0.39	51.34
82	14.69	4	1.90	0.39	77.45
83	13.95	4	2.50	0.39	78.31
84	15.53	4	2.60	0.68	87.01
85	13.08	4	3.27	0.85	88.29
86	12.17	4	3.27	0.85	72.54
87	8.95	4	2.19	0.51	86.74
88	14.26	4	2.19	0.51	55.18
89	14.24	4	2.19	0.51	14.20
90	11.38	4	2.39	0.87	74.42
91	13.65	4	2.39	0.87	49.22
92	15.28	4	2.39	0.87	68.86
93	14.18	4	2.39	0.87	40.95
94	13.57	4	1.97	0.59	26.50
95	14.69	4	2.13	0.49	62.19
96	14.36	4	2.13	0.49	25.29
97	13.35	4	2.13	0.49	13.56
98	14.58	4	2.13	0.49	28.30
99	15.55	4	1.99	0.29	60.56
100	11.85	4	2.10	0.86	56.19
101	14.71	4	2.10	0.86	75.83
102	13.41	4	1.93	0.42	69.55
103	14.49	4	1.93	0.42	81.45
104	11.91	4	1.93	0.42	40.85
105	13.76	4	1.57	0.18	70.66
106	14.39	4	2.36	0.75	18.28
107	13.98	4	2.36	0.75	66.71
108	13.84	4	2.36	0.75	39.38
109	15.03	4	2.38	0.66	74.87
110	14.35	4	2.38	0.66	28.01
111	13.71	4	1.78	0.57	87.84
112	13.27	4	2.28	0.85	76.42
113	12.44	4	2.28	0.85	60.58
114	10.89	4	2.28	0.85	68.55
115	14.89	4	2.28	0.85	19.08
116	15.17	4	2.28	0.85	78.83
117	9.95	4	2.28	0.85	61.55

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	13.56	4	2.28	0.85	59.83
119	15.00	4	2.28	0.85	17.26
120	12.29	2	2.53	0.90	66.77
121	14.32	2	2.53	0.90	9.55
122	8.04	2	2.53	0.90	81.29
123	10.20	4	2.23	0.42	33.33
124	14.47	4	2.23	0.42	51.65
125	12.21	4	2.51	0.87	79.18
126	15.85	4	2.51	0.87	42.47
127	13.74	4	2.51	0.87	57.71
128	13.94	4	2.05	0.33	75.86
129	14.49	4	2.05	0.33	86.20
130	13.08	4	2.05	0.33	57.06
131	15.57	4	2.05	0.33	68.33
132	13.82	4	2.05	0.33	28.58
133	14.70	3	1.58	0.44	49.64
134	13.16	3	1.58	0.44	68.83
135	14.01	4	2.11	0.77	52.88
136	15.76	4	2.11	0.77	75.14
137	13.81	4	2.11	0.77	66.91
138	12.86	4	2.06	0.34	89.50
139	13.12	4	2.32	0.78	68.71
140	14.88	4	2.61	0.66	34.49
141	13.86	4	2.61	0.66	56.84
142	14.22	4	2.61	0.66	29.48
143	12.94	4	2.28	0.73	59.95
144	13.21	4	2.28	0.73	59.01
145	14.22	4	1.79	0.44	57.41
146	15.85	4	1.79	0.44	40.63
147	15.45	4	1.79	0.44	16.90
148	14.28	4	1.79	0.44	57.54
149	13.31	4	1.85	0.44	89.99
150	12.63	4	2.21	1.03	82.30
151	12.36	1	2.26	1.18	44.90
152	15.25	4	1.93	0.66	63.05
153	15.77	4	1.99	0.47	66.14
154	14.19	4	1.99	0.47	36.30
155	14.12	4	1.99	0.47	56.06
156	15.08	4	1.91	0.73	60.99
157	13.69	4	1.91	0.73	14.98

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	13.52	4	1.91	0.73	38.83
159	15.96	4	1.91	0.73	88.93
160	11.46	4	2.18	0.78	79.67
161	11.56	4	2.18	0.78	70.25
162	12.71	4	1.81	0.48	65.89
163	13.10	4	1.81	0.48	74.55
164	12.48	4	1.81	0.48	31.92
165	13.86	4	1.81	0.48	45.86
166	11.19	4	1.81	0.48	83.31
167	11.79	4	2.14	0.68	60.51
168	15.27	4	2.65	0.77	38.60
169	13.32	4	2.65	0.77	83.29
170	13.84	4	2.65	0.77	10.52
171	15.15	4	2.65	0.77	41.26
172	15.03	4	2.39	0.90	65.10
173	12.25	4	2.39	0.90	67.98
174	14.93	4	2.39	0.90	65.61
175	13.20	4	2.06	0.70	38.89
176	10.11	4	2.06	0.70	76.19
177	14.71	4	2.17	0.95	0.38
178	9.04	4	2.17	0.95	88.72
179	13.44	4	2.17	0.95	67.73
180	12.79	2	2.12	0.42	68.25
181	13.44	2	2.12	0.42	55.84
182	15.00	4	2.17	0.51	43.32
183	14.05	4	2.17	0.51	20.60
184	10.28	4	1.63	0.44	67.52
185	14.57	4	2.38	0.54	71.20
186	15.00	4	2.38	0.54	43.86
187	13.50	4	2.25	0.80	53.52
188	16.27	4	2.25	0.80	29.74
189	12.97	4	2.25	0.80	69.23
190	14.67	4	2.25	0.80	44.44
191	16.82	4	2.25	0.80	20.18
192	12.19	4	2.25	0.80	53.80
193	12.98	4	2.25	0.80	87.25
194	14.04	4	2.25	0.80	58.16
195	14.02	4	2.25	0.80	8.62
196	12.26	4	2.25	0.80	71.95
197	14.22	4	2.30	0.47	34.04

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.45	4	2.30	0.47	26.63
199	11.33	4	1.93	0.80	72.24
200	10.53	4	1.93	0.80	63.50
201	13.16	4	1.93	0.80	21.39

Mean Dpar	= 2.14	Std. Dev. (um)	= 1.60
Mean Dper	= 0.64	Skewness	= -1.16
Mean length (um)	= 13.63+/- 0.11	Kurtosis	= 1.71

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.27	4	1.63	0.38	47.19
2	14.00	4	1.63	0.38	44.64
3	15.00	4	1.66	0.57	30.39
4	14.38	3	1.63	0.76	74.07
5	9.63	3	1.63	0.76	63.12
6	13.10	4	1.94	0.53	65.51
7	13.71	4	1.85	0.26	51.84
8	13.92	4	1.77	0.62	57.10
9	15.65	4	1.74	0.52	77.19
10	13.62	4	1.74	0.52	45.68
11	14.42	4	1.74	0.52	50.07
12	14.13	4	1.74	0.52	60.82
13	12.89	4	2.30	0.43	51.65
14	14.56	4	2.53	1.05	34.53
15	14.86	4	2.53	1.05	54.95
16	15.24	4	2.53	1.05	43.54
17	12.99	4	2.41	0.84	88.52
18	12.52	4	2.41	0.84	83.13
19	12.69	4	2.41	0.84	76.48
20	13.91	4	2.16	0.26	52.74
21	13.53	4	2.16	0.65	33.36
22	13.79	4	2.16	0.65	56.25
23	15.11	4	2.16	0.65	16.02
24	13.69	4	2.16	0.65	76.30
25	14.39	4	2.16	0.65	31.71
26	14.78	4	2.12	0.57	54.04
27	15.23	4	2.04	0.58	30.87
28	14.56	4	2.04	0.58	51.25
29	11.49	4	2.64	0.94	33.90
30	15.59	4	2.64	0.94	16.17
31	13.28	4	2.24	0.94	88.69
32	15.16	4	2.24	0.94	45.06
33	15.28	4	2.24	0.94	42.27
34	13.59	4	1.90	0.39	51.34
35	14.79	4	1.90	0.39	77.45
36	13.99	4	2.50	0.39	78.31
37	15.32	4	2.60	0.68	87.01

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	13.98	4	3.27	0.85	88.29
39	12.59	4	3.27	0.85	72.54
40	11.95	4	2.19	0.51	86.74
41	14.33	4	2.19	0.51	55.18
42	14.73	4	2.19	0.51	14.20
43	11.38	4	2.39	0.87	74.42
44	13.69	4	2.39	0.87	49.22
45	15.23	4	2.39	0.87	68.86
46	14.67	4	2.39	0.87	40.95
47	13.79	4	1.97	0.59	26.50
48	14.62	4	2.13	0.49	62.19
49	15.38	4	2.13	0.49	25.29
50	13.73	4	2.13	0.49	13.56
51	14.54	4	2.13	0.49	28.30
52	15.85	4	1.99	0.29	60.56
53	13.85	4	2.10	0.86	56.19
54	14.61	4	2.10	0.86	75.83
55	14.43	4	1.93	0.42	69.55
56	14.79	4	1.93	0.42	81.45
57	11.71	4	1.93	0.42	40.85
58	13.79	4	1.57	0.18	70.66
59	14.54	4	2.36	0.75	18.28
60	14.98	4	2.36	0.75	66.71
61	13.94	4	2.36	0.75	39.38
62	15.71	4	2.38	0.66	74.87
63	14.79	4	2.38	0.66	28.01
64	13.79	4	1.78	0.57	87.84
65	13.23	4	2.28	0.85	76.42
66	12.63	4	2.28	0.85	60.58
67	10.89	4	2.28	0.85	68.55
68	14.65	4	2.28	0.85	19.08
69	15.59	4	2.28	0.85	78.83
70	9.79	4	2.28	0.85	61.55
71	13.83	4	2.28	0.85	59.83
72	14.85	4	2.28	0.85	17.26
73	12.66	2	2.53	0.90	66.77
74	14.82	2	2.53	0.90	9.55
75	12.04	2	2.53	0.90	81.29
76	10.39	4	2.23	0.42	33.33
77	14.37	4	2.23	0.42	51.65

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.29	4	2.51	0.87	79.18
79	14.85	4	2.51	0.87	42.47
80	14.74	4	2.51	0.87	57.71
81	14.74	4	2.05	0.33	75.86
82	15.09	4	2.05	0.33	86.20
83	13.98	4	2.05	0.33	57.06
84	15.13	4	2.05	0.33	68.33
85	14.52	4	2.05	0.33	28.58
86	14.79	3	1.58	0.44	49.64
87	13.06	3	1.58	0.44	68.83
88	14.43	4	2.11	0.77	52.88
89	14.76	4	2.11	0.77	75.14
90	13.93	4	2.11	0.77	66.91

Mean Dpar	= 2.17	Std. Dev. (um)	= 1.28
Mean Dper	= 0.65	Skewness	= -1.33
Mean length (um)	= 13.97+/- 0.14	Kurtosis	= 1.79

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.93	4	2.23	0.73	52.04
2	12.56	4	2.23	0.73	52.57
3	13.75	4	2.23	0.73	55.30
4	12.86	4	2.23	0.73	20.37
5	15.30	4	2.23	0.73	29.82
6	16.40	4	2.23	0.73	11.42
7	14.48	4	2.28	0.65	32.24
8	12.35	4	2.28	0.65	39.55
9	13.55	4	2.28	0.65	49.92
10	13.67	4	2.00	0.82	42.06
11	15.59	4	2.00	0.82	56.62
12	13.11	4	1.77	0.45	36.12
13	13.72	4	2.41	0.80	48.39
14	4.73	4	2.41	0.80	64.15
15	15.03	4	2.91	1.31	48.71
16	13.40	4	2.54	0.77	89.24
17	14.15	4	2.54	0.77	61.73
18	15.84	4	1.81	0.48	31.94
19	16.51	4	1.81	0.48	65.74
20	15.60	4	1.81	0.48	69.69
21	12.18	4	1.81	0.48	65.05
22	14.60	4	1.81	0.48	40.80
23	16.04	4	1.81	0.48	28.67
24	16.76	4	1.81	0.48	34.65
25	12.29	4	2.01	0.47	36.13
26	14.16	4	2.40	1.12	39.04
27	13.47	4	2.40	1.12	69.12
28	14.17	4	2.40	1.12	48.55
29	14.38	4	2.03	0.38	74.31
30	14.49	4	2.03	0.38	11.48
31	10.79	4	3.25	1.20	23.10
32	15.46	4	2.31	0.49	74.94
33	15.75	4	1.70	0.29	74.61
34	10.57	4	1.70	0.29	63.54
35	7.98	4	1.70	0.29	72.42
36	11.90	4	1.70	0.29	76.60
37	14.38	4	1.70	0.29	41.73

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	11.50	4	2.45	0.68	72.83
39	14.72	4	2.45	0.68	15.90
40	10.66	4	2.61	1.08	78.62
41	15.55	4	2.61	1.08	84.20
42	15.64	4	2.32	0.57	17.82
43	13.46	4	2.32	0.57	68.54
44	15.52	4	2.92	1.26	29.05
45	14.93	4	2.92	1.26	47.59
46	15.12	4	2.92	1.26	40.25
47	12.72	4	2.92	1.26	87.42
48	14.91	4	2.92	1.26	41.76
49	14.92	4	2.92	1.26	74.12
50	13.36	2	1.81	0.51	67.46
51	14.16	2	1.81	0.51	41.21
52	13.90	2	1.81	0.51	31.00
53	12.72	4	1.70	0.29	18.31
54	8.56	4	2.14	0.63	68.21
55	14.21	4	2.25	0.56	11.48
56	13.89	4	2.25	0.56	38.80
57	15.32	4	2.21	0.62	46.75
58	13.49	4	3.57	0.89	72.06
59	14.28	4	3.57	0.89	34.87
60	12.76	4	2.37	0.70	31.68
61	12.40	4	2.37	0.70	14.06
62	10.86	4	2.37	0.70	65.54
63	14.09	4	2.37	0.70	47.76
64	14.77	4	2.37	0.70	59.26
65	10.52	4	2.37	0.70	79.75
66	17.34	4	2.68	0.82	12.67
67	14.70	4	2.68	0.82	35.84
68	13.76	4	2.68	0.82	51.93
69	14.45	4	2.85	0.84	85.76
70	15.29	3	1.99	0.40	44.20
71	15.12	4	1.73	0.31	76.69
72	14.18	4	1.73	0.31	60.49
73	10.32	4	2.78	1.04	71.72
74	14.39	4	1.70	0.38	42.88
75	14.81	4	1.70	0.38	22.58
76	12.27	4	2.21	0.54	61.20
77	15.92	4	2.21	0.54	20.45

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	13.35	4	1.97	0.26	85.56
79	14.11	4	2.11	0.66	55.18
80	13.90	4	2.11	0.66	88.47
81	14.61	4	2.11	0.66	40.07
82	10.17	4	2.11	0.66	81.64
83	11.82	4	3.00	1.12	43.30
84	10.69	4	3.00	1.12	64.27
85	16.06	4	2.84	0.77	37.45
86	16.24	4	2.76	0.67	40.04
87	13.81	4	2.76	0.67	52.96
88	14.85	4	1.86	0.38	76.10
89	13.01	4	1.86	0.38	42.07
90	5.93	4	1.86	0.38	88.34
91	14.26	4	1.86	0.38	33.84
92	10.91	4	2.52	0.61	61.98
93	11.15	4	2.52	0.61	89.27
94	10.37	4	2.19	0.47	73.58
95	15.54	4	2.19	0.47	29.98
96	15.12	4	1.81	0.57	60.78
97	14.16	4	1.81	0.57	21.96
98	11.65	4	2.40	0.66	88.36
99	13.81	4	2.40	0.66	70.20
100	11.15	4	2.40	0.66	53.45
101	15.83	4	1.55	0.28	25.60
102	13.93	4	1.55	0.28	60.93
103	14.75	4	1.81	0.44	64.84
104	15.59	4	1.81	0.44	23.33
105	13.06	4	1.81	0.44	74.83
106	7.53	4	2.45	0.65	70.31
107	13.18	4	2.00	0.42	85.18
108	12.25	4	2.00	0.42	75.88
109	12.28	4	2.07	0.68	59.88
110	10.79	4	1.99	0.54	58.67
111	11.83	4	1.99	0.54	85.71
112	14.15	3	2.12	0.90	42.70
113	12.21	4	1.92	0.52	42.55
114	13.73	4	1.92	0.52	24.01
115	9.61	4	2.43	0.95	81.10
116	10.18	4	2.43	0.95	71.10
117	11.68	3	3.27	0.85	21.52

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	4.91	3	3.27	0.85	66.20
119	15.27	3	3.27	0.85	45.54
120	11.79	4	1.77	0.34	70.88
121	14.75	4	1.77	0.34	36.45
122	11.30	4	1.77	0.34	73.29
123	11.92	4	1.77	0.34	67.23
124	11.82	4	2.00	0.29	77.06
125	9.89	4	2.00	0.29	50.04
126	11.90	2	2.40	1.00	89.39
127	14.85	4	2.54	0.59	37.88
128	14.12	4	2.21	0.31	61.00
129	13.93	2	1.92	0.73	64.31
130	13.68	4	1.79	0.35	77.48
131	13.47	4	1.79	0.35	37.29
132	15.37	4	1.79	0.35	59.09
133	12.81	4	1.79	0.35	61.74
134	14.88	4	1.78	0.39	71.71
135	14.12	4	1.78	0.39	37.72
136	10.30	4	2.27	0.39	47.21
137	12.30	3	2.24	0.63	82.98
138	13.10	3	2.24	0.63	47.90
139	12.67	4	2.47	0.62	85.02
140	9.71	4	2.47	0.62	77.51
141	11.70	4	2.52	0.71	51.08
142	10.93	4	2.52	0.71	62.36
143	13.57	4	2.52	0.71	53.65
144	12.35	4	1.71	0.23	53.63
145	11.79	4	1.71	0.23	44.76
146	11.24	4	2.20	0.80	61.35
147	10.02	4	2.20	0.80	42.35
148	15.52	4	2.20	0.80	25.38
149	13.64	4	2.20	0.80	72.07
150	14.79	4	2.20	0.80	59.83
151	11.25	4	2.20	0.80	80.88
152	13.33	4	2.20	0.80	50.82
153	12.47	4	2.20	0.77	49.53
154	15.42	4	2.20	0.77	35.50
155	15.15	4	2.20	0.77	89.60
156	12.40	4	2.20	0.77	70.25
157	12.56	4	2.20	0.77	74.43

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	12.25	4	2.20	0.77	50.44
159	14.02	4	2.20	0.77	16.17
160	14.72	4	2.20	0.77	84.50
161	14.79	4	2.20	0.77	53.22
162	15.91	4	2.20	0.77	25.81
163	13.25	4	1.58	0.43	76.25
164	13.00	4	1.80	0.30	87.61
165	9.80	4	1.71	0.65	72.12
166	14.48	4	2.32	0.81	30.43
167	10.65	4	2.32	0.81	78.87
168	15.76	4	2.32	0.81	20.55
169	12.17	4	2.32	0.81	39.17
170	12.74	4	2.32	0.81	56.24
171	13.50	4	2.32	0.81	29.67
172	12.95	4	2.32	0.81	51.94
173	12.97	4	2.32	0.81	40.94
174	14.10	4	1.59	0.38	83.31
175	15.37	4	3.11	1.19	32.20
176	16.20	4	3.11	1.19	23.37
177	11.88	4	3.11	1.19	70.68
178	11.26	4	3.11	1.19	73.05
179	13.91	4	3.11	1.19	25.51
180	15.12	4	1.61	0.29	30.78
181	12.19	4	1.61	0.29	82.62
182	13.19	4	2.27	0.53	84.98
183	12.34	4	2.27	0.53	70.02
184	13.39	4	2.27	0.53	28.52
185	13.99	4	2.27	0.53	61.03
186	13.57	4	2.27	0.53	22.38
187	13.94	4	2.27	0.53	45.85
188	14.03	4	2.27	0.53	65.81
189	12.23	4	2.27	0.53	35.76
190	13.21	1	1.44	0.40	26.98
191	14.64	4	2.12	0.71	43.64
192	14.95	4	2.12	0.71	58.71
193	14.91	4	1.80	0.31	66.30
194	8.19	4	1.80	0.31	50.67
195	10.92	4	2.06	0.42	80.21
196	11.99	4	2.06	0.42	78.56
197	14.73	4	2.38	1.14	46.67

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	9.57	4	2.38	1.14	44.59
199	14.72	4	2.38	1.14	82.80
200	9.19	4	2.38	1.14	71.48
201	14.47	4	2.38	1.14	73.01
202	14.71	4	2.38	1.14	67.59

Mean Dpar	= 2.23	Std. Dev. (um)	= 2.10
Mean Dper	= 0.66	Skewness	= -1.12
Mean length (um)	= 13.22+/- 0.15	Kurtosis	= 1.97

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	15.37	4	1.37	0.48	79.62
2	15.26	4	2.08	0.43	60.16
3	11.82	4	1.86	0.62	62.80
4	13.93	4	1.86	0.62	25.97
5	15.13	4	1.86	0.62	31.57
6	12.39	4	1.86	0.62	23.21
7	13.74	4	1.63	0.43	47.08
8	11.56	4	1.63	0.43	65.60
9	10.79	4	1.63	0.43	64.25
10	14.33	4	1.63	0.43	35.70
11	13.54	4	1.63	0.43	46.49
12	10.64	4	1.63	0.43	66.95
13	14.05	4	1.63	0.43	51.55
14	12.22	2	1.91	0.28	68.95
15	13.61	2	1.91	0.28	26.65
16	15.72	2	1.91	0.28	32.28
17	16.11	2	1.91	0.28	36.50
18	13.97	4	1.94	0.31	34.28
19	13.21	4	1.94	0.31	51.14
20	13.63	4	2.00	0.86	63.68
21	14.04	4	2.17	0.53	65.63
22	13.60	4	2.17	0.53	31.05
23	13.61	4	2.17	0.53	85.85
24	14.20	4	2.17	0.53	46.34
25	13.25	4	2.27	0.57	49.92
26	14.14	4	2.27	0.57	17.76
27	13.69	4	2.47	1.06	78.92
28	12.87	4	2.47	0.62	77.12
29	14.88	4	2.47	0.62	22.54
30	12.38	4	2.20	0.72	28.84
31	14.10	4	2.20	0.72	14.22
32	14.39	4	2.20	0.72	65.65
33	14.47	4	2.21	0.24	71.02
34	10.84	4	2.21	0.24	65.95
35	13.38	4	2.21	0.24	79.62
36	13.79	4	2.21	0.24	27.27
37	12.48	4	2.16	0.58	55.42

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	12.37	4	2.16	0.58	58.65
39	12.60	4	2.16	0.58	73.07
40	14.53	4	1.88	0.52	87.61
41	13.48	4	1.88	0.52	86.23
42	12.17	4	2.40	0.89	49.39
43	14.82	4	1.96	0.57	14.34
44	13.80	4	1.96	0.57	48.57
45	16.62	4	2.04	0.39	67.87
46	14.15	4	2.04	0.39	51.85
47	16.25	4	2.04	0.39	64.04
48	14.70	4	1.96	0.47	21.95
49	11.31	4	2.59	0.68	51.13
50	14.44	4	2.59	0.68	33.22
51	12.28	4	2.03	0.63	46.41
52	11.71	4	2.03	0.63	77.49
53	16.85	4	3.00	0.70	80.86
54	14.24	4	3.00	0.70	23.31
55	14.25	4	3.00	0.70	52.23
56	11.85	4	3.00	0.70	81.37
57	13.95	4	2.60	0.73	27.83
58	11.91	4	2.60	0.73	89.40
59	12.56	4	3.37	1.08	83.68
60	16.13	4	2.77	0.47	45.31
61	16.41	4	2.77	0.47	44.55
62	13.68	4	2.06	0.14	32.22
63	13.96	4	2.06	0.14	79.89
64	11.42	4	2.06	0.14	75.32
65	14.62	4	3.00	0.65	69.88
66	12.58	4	3.00	0.65	78.30
67	15.45	4	3.00	0.65	59.85
68	14.77	4	3.00	0.65	32.33
69	15.85	4	3.00	0.65	28.71
70	14.65	4	3.00	0.65	68.01
71	14.53	4	3.00	0.65	26.43
72	15.58	4	3.00	0.65	31.09
73	13.48	4	2.83	0.91	55.15
74	14.11	4	2.83	0.91	14.89
75	14.20	4	2.58	0.61	57.11
76	14.45	4	2.58	0.61	25.24
77	11.84	2	2.20	0.45	74.90

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.64	4	2.32	0.40	42.29
79	8.98	1	2.25	0.63	87.37
80	9.71	4	2.87	0.68	65.58
81	11.77	4	2.04	0.49	71.56
82	12.09	4	2.99	0.85	54.52
83	13.38	4	2.99	0.85	38.54
84	13.24	4	2.16	0.28	26.64
85	12.73	4	2.16	0.28	88.10
86	11.49	4	2.51	0.81	65.18
87	13.64	2	1.84	0.59	87.81
88	14.12	2	1.84	0.59	78.70
89	12.46	4	2.21	0.38	27.50
90	12.41	4	2.21	0.38	26.11
91	15.27	4	1.60	0.33	33.51
92	13.83	4	1.60	0.33	10.58
93	12.78	2	1.94	0.51	80.58
94	14.34	4	2.53	0.54	53.43
95	12.77	4	2.53	0.54	63.49
96	15.58	4	2.53	0.54	36.05
97	11.80	3	1.60	0.49	88.10
98	12.51	3	1.60	0.49	76.19
99	12.22	4	3.10	0.73	66.86
100	15.71	4	3.10	0.73	30.97
101	14.05	4	2.27	0.65	50.63
102	14.66	4	2.45	0.81	24.52
103	16.39	4	2.45	0.81	7.52
104	14.63	4	2.45	0.81	20.67
105	14.40	4	2.45	0.81	28.28
106	13.22	4	2.51	0.30	57.95
107	14.87	4	2.51	0.30	36.38
108	12.72	4	2.51	0.30	41.12
109	14.36	4	2.53	1.09	66.59
110	13.76	4	2.53	1.09	28.71
111	12.57	4	2.40	0.68	61.08
112	11.86	4	2.40	0.68	77.26
113	13.89	4	2.40	0.68	86.66
114	12.64	4	2.66	0.90	78.99
115	15.61	4	2.66	0.90	30.33
116	14.52	4	1.98	0.34	17.50
117	11.26	4	1.77	0.31	74.68

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	10.26	2	2.66	0.59	60.04
119	14.04	4	1.86	0.44	71.83
120	14.60	4	1.86	0.44	55.08
121	15.65	4	1.86	0.44	31.68
122	14.95	4	1.86	0.44	64.68

Mean Dpar	= 2.28	Std. Dev. (um)	= 1.51
Mean Dper	= 0.56	Skewness	= -0.34
Mean length (um)	= 13.62+/- 0.14	Kurtosis	= -0.03

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	10.61	4	3.17	1.00	79.45
2	15.10	2	1.58	0.56	58.77
3	14.18	2	1.58	0.56	29.62
4	13.96	4	2.23	0.67	54.52
5	13.17	4	2.04	0.47	6.00
6	15.80	4	2.34	0.68	76.70
7	14.48	4	2.34	0.68	17.75
8	15.83	4	2.34	0.68	20.13
9	14.40	4	2.00	0.51	73.44
10	13.75	4	2.00	0.51	67.86
11	14.68	4	2.00	0.51	88.46
12	9.78	4	2.00	0.51	62.94
13	14.55	4	2.00	0.51	88.97
14	14.14	4	2.00	0.51	87.59
15	14.13	4	2.00	0.51	70.74
16	14.13	4	2.20	0.42	55.39
17	13.36	4	2.20	0.42	47.05
18	14.27	4	2.96	0.49	80.75
19	14.06	4	2.96	0.49	19.16
20	9.16	4	2.96	0.49	88.81
21	13.46	4	2.96	0.49	49.90
22	10.70	4	2.96	0.49	89.73
23	14.70	4	2.96	0.49	26.91
24	12.71	4	1.99	0.40	39.19
25	13.21	4	1.99	0.40	40.87
26	12.76	4	1.99	0.40	58.21
27	12.71	4	2.01	0.35	83.50
28	15.07	4	1.99	0.39	48.39
29	13.06	4	2.76	0.86	88.21
30	12.94	4	2.76	0.86	73.81
31	12.57	4	2.76	0.86	44.25
32	11.02	4	2.33	0.57	76.26
33	16.08	4	1.99	0.44	18.00
34	14.71	4	1.99	0.44	63.87
35	13.79	4	1.99	0.44	19.75
36	14.42	4	2.52	1.00	19.45
37	11.47	4	2.52	1.00	78.80

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	9.31	4	2.52	1.00	75.67
39	12.49	4	2.00	0.47	68.29
40	14.02	4	2.00	0.47	25.42
41	15.17	4	2.20	0.42	89.29
42	15.05	4	2.26	0.39	86.45
43	14.46	4	2.65	0.39	58.91
44	12.61	4	2.31	0.44	75.18
45	13.63	4	2.31	0.44	51.40
46	12.26	4	2.31	0.44	81.20
47	13.57	4	2.31	0.44	1.80
48	13.50	4	2.31	0.44	57.76
49	12.82	4	2.31	0.44	74.24
50	13.20	4	1.93	0.35	88.81
51	12.05	4	1.91	0.39	70.58
52	11.32	4	2.41	0.96	64.27
53	12.20	4	2.41	0.96	82.47
54	11.91	4	2.44	0.70	68.83
55	14.72	4	2.66	0.54	38.64
56	8.02	4	2.66	0.54	78.02
57	13.67	4	2.66	0.54	32.62
58	15.94	4	2.12	0.45	79.83
59	11.82	4	2.12	0.45	66.42
60	13.47	4	2.12	0.45	51.63
61	11.08	4	2.39	0.66	87.98
62	8.63	4	2.48	0.70	88.71
63	9.66	4	2.48	0.70	86.88
64	16.19	4	2.88	0.48	53.47
65	14.21	4	2.88	0.48	24.21
66	15.86	4	2.88	0.48	22.40
67	12.64	3	2.07	0.30	30.08
68	12.34	3	2.07	0.30	77.54
69	14.95	3	2.07	0.30	46.39
70	14.18	3	2.07	0.30	39.20
71	12.65	4	2.10	0.68	72.19
72	10.51	4	2.88	0.80	79.43
73	12.83	4	2.31	0.80	10.53
74	15.54	4	2.37	0.65	57.75
75	15.36	4	2.37	0.65	37.55
76	12.19	3	1.87	0.43	89.05
77	14.09	3	1.87	0.43	23.78

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
Mean Dpar	= 2.32		Std. Dev. (um)	= 1.82	
Mean Dper	= 0.55		Skewness	= -0.75	
Mean length (um)	= 13.23+/- 0.21		Kurtosis	= 0.21	

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.92	4	2.06	0.44	56.66
2	14.59	4	2.06	0.44	22.81
3	14.49	4	2.91	0.62	50.66
4	13.25	4	1.94	0.70	24.33
5	13.53	4	1.94	0.70	77.69
6	14.18	4	2.04	0.45	28.81
7	14.93	4	2.45	0.65	54.40
8	15.81	4	2.63	0.47	33.15
9	10.06	4	2.63	0.47	87.90
10	13.06	4	1.71	0.54	54.78
11	12.91	4	1.71	0.54	77.32
12	14.17	4	1.71	0.54	22.05
13	14.63	4	2.64	0.67	40.98
14	14.08	4	2.64	0.67	38.22
15	12.00	4	1.86	0.42	76.74
16	8.91	4	1.86	0.42	22.05
17	14.64	4	1.86	0.42	46.59
18	14.82	4	1.86	0.42	48.06
19	14.77	3	1.64	0.40	85.49
20	14.10	3	1.64	0.40	27.80
21	13.57	4	2.00	0.51	62.37
22	16.72	4	2.63	0.39	13.64
23	13.90	4	2.34	1.04	82.78
24	14.75	4	2.11	0.90	88.88
25	13.20	4	2.11	0.90	34.09
26	12.24	1	1.88	0.63	58.24
27	4.94	1	1.88	0.63	87.68
28	14.12	4	2.44	0.23	40.66
29	13.48	4	2.39	1.05	77.26
30	12.44	2	2.18	0.62	73.53
31	14.29	2	2.18	0.62	17.22
32	15.04	4	2.96	0.39	45.22
33	12.16	4	2.96	0.39	73.58
34	13.63	4	2.96	0.39	78.89
35	15.51	4	2.96	0.39	47.79
36	14.96	2	1.92	0.51	48.70
37	14.81	4	2.14	0.33	57.31

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.35	4	2.14	0.33	46.40
39	13.79	4	2.61	0.68	32.75
40	16.02	4	1.44	0.33	74.63
41	16.33	4	2.88	0.96	48.88
42	14.28	4	2.18	0.47	79.68
43	14.21	4	2.18	0.47	45.20
44	13.62	4	2.65	0.66	52.88
45	14.03	4	2.65	0.66	22.45
46	15.13	4	2.84	0.80	70.42
47	14.63	4	2.84	0.80	23.48
48	15.96	4	2.37	0.35	66.08
49	14.96	4	3.09	0.94	82.15
50	14.67	4	3.09	0.94	0.40
51	14.67	3	1.67	0.40	85.49
52	14.19	3	1.67	0.40	27.80
53	13.67	4	2.04	0.51	62.37
54	16.62	4	2.58	0.39	13.64
55	13.80	4	2.46	1.04	82.78
56	14.85	4	2.03	0.90	88.88
57	13.20	4	2.03	0.90	34.09
58	12.44	1	1.94	0.63	58.24
59	9.99	1	1.94	0.63	87.68
60	14.32	4	2.53	0.23	40.66
61	13.68	4	2.51	1.05	77.26
62	12.74	2	2.30	0.62	73.53
63	14.35	2	2.30	0.62	17.22
64	15.09	4	3.06	0.39	45.22
65	12.69	4	3.06	0.39	73.58
66	14.63	4	3.06	0.39	78.89
67	15.31	4	3.06	0.39	47.79
68	14.86	2	2.04	0.51	48.70
69	14.88	4	2.26	0.33	57.31
70	14.61	4	2.26	0.33	46.40
71	13.99	4	2.50	0.68	32.75
72	15.02	4	1.55	0.33	74.63
73	15.23	4	3.00	0.96	48.88
74	14.48	4	2.30	0.47	79.68
75	14.41	4	2.30	0.47	45.20
76	13.72	4	2.65	0.66	52.88
77	14.13	4	2.65	0.66	22.45

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	15.23	4	2.84	0.80	70.42
79	14.53	4	2.84	0.80	23.48
80	15.86	4	2.37	0.35	66.08
81	13.97	4	1.98	0.42	76.74
82	13.91	4	1.98	0.42	22.05
83	14.79	4	1.98	0.42	46.59
84	14.73	4	1.98	0.42	48.06

Mean Dpar	= 2.31	Std. Dev. (um)	= 1.64
Mean Dper	= 0.57	Skewness	= -2.60
Mean length (um)	= 14.04+/- 0.18	Kurtosis	= 10.75

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	13.10	4	1.88	0.37	27.66
2	14.16	4	2.00	0.34	70.09
3	13.99	4	2.00	0.34	54.54
4	15.04	4	2.51	1.08	68.70
5	12.23	2	1.68	0.44	76.30
6	15.68	4	2.14	0.43	50.55
7	13.70	1	1.93	0.48	44.71
8	14.33	1	1.93	0.48	35.15
9	13.37	4	2.65	0.63	52.10
10	13.39	4	2.65	0.63	44.87
11	14.42	4	1.79	0.51	32.48
12	15.84	4	2.33	0.66	74.87
13	14.14	4	2.33	0.66	58.83
14	15.59	4	2.33	0.66	45.83
15	14.75	4	2.33	0.66	55.72
16	16.30	4	2.33	0.66	42.48
17	14.07	4	2.33	0.66	67.45
18	14.33	4	2.33	0.66	55.90
19	15.10	4	2.33	0.66	37.69
20	15.21	4	2.33	0.66	59.37
21	15.21	4	2.33	0.66	82.41
22	13.45	4	2.33	0.66	88.10
23	14.42	4	2.33	0.66	49.73
24	15.38	4	2.33	0.66	89.84
25	13.28	4	2.33	0.66	29.55
26	14.28	4	2.33	0.66	71.07
27	13.79	4	2.33	0.66	63.50
28	15.94	4	2.31	0.98	71.41
29	15.00	4	2.31	0.98	66.66
30	15.69	4	2.01	0.45	61.94
31	13.01	4	1.94	0.45	19.52
32	14.03	4	1.94	0.45	33.08
33	14.67	2	1.64	0.39	64.97
34	16.26	2	1.93	0.45	39.13
35	16.15	2	1.93	0.45	79.83
36	15.43	4	2.10	0.35	40.07
37	14.57	4	2.39	0.31	88.71
38	12.84	4	3.07	0.66	45.72

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
39	13.78	4	2.00	0.63	72.94
40	14.98	4	2.54	0.54	8.28
41	13.79	4	1.98	0.38	56.74
42	14.13	4	1.98	0.38	61.89
43	14.79	4	1.98	0.38	56.13
44	13.94	4	1.98	0.38	20.76
45	14.12	4	1.98	0.38	63.79
46	13.82	4	1.98	0.38	64.67
47	15.44	4	1.98	0.38	33.16
48	15.58	4	2.61	0.91	77.02
49	14.89	4	2.61	0.91	51.40
50	15.85	2	2.07	0.21	46.26
51	16.92	1	3.60	0.58	33.62
52	13.74	4	1.94	0.34	87.07
53	14.28	4	1.81	0.66	86.01
54	12.24	4	2.08	0.39	44.28
55	14.89	4	2.45	0.62	56.78

Mean Dpar	= 2.21	Std. Dev. (um)	= 1.04
Mean Dper	= 0.56	Skewness	= -0.02
Mean length (um)	= 14.53+/- 0.14	Kurtosis	= -0.48

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.87	4	2.12	0.67	59.10
2	13.38	4	2.12	0.67	66.47
3	12.47	4	1.96	0.34	49.30
4	15.27	4	1.96	0.34	40.21
5	16.39	2	1.93	0.63	67.24
6	16.92	2	1.93	0.63	88.19
7	13.70	4	2.34	0.68	63.53
8	13.74	4	2.34	0.68	45.83
9	13.21	4	2.26	0.68	13.99
10	14.15	4	2.11	0.29	28.20
11	14.36	4	2.11	0.29	27.32
12	14.50	4	2.11	0.29	76.93
13	15.32	4	2.43	0.68	64.57
14	8.91	4	2.43	0.68	83.04
15	13.91	4	2.43	0.68	76.55
16	14.79	4	2.43	0.68	31.21
17	15.16	4	1.90	0.31	44.67
18	15.32	4	1.90	0.31	39.40
19	14.38	4	1.90	0.31	22.33
20	14.76	4	1.90	0.40	85.43
21	14.12	4	1.96	1.01	89.19
22	13.57	4	1.96	1.01	49.45
23	13.95	4	2.63	1.12	85.42
24	14.02	2	1.84	0.67	67.90
25	14.15	2	1.84	0.67	45.50
26	14.68	4	1.84	0.38	22.72
27	14.97	4	2.10	0.65	60.06
28	15.29	4	2.60	0.71	88.64
29	13.91	4	2.23	0.44	38.03
30	15.50	4	2.23	0.44	81.68
31	12.71	4	2.23	0.44	80.93
32	14.37	4	2.23	0.44	43.55
33	13.82	4	2.23	0.44	66.54
34	13.96	2	1.33	0.33	14.56
35	16.13	4	2.32	0.54	43.53
36	10.62	4	2.32	0.54	53.09
37	15.67	4	2.32	0.54	47.44
38	14.24	4	2.32	0.54	37.53

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
39	16.18	4	2.32	0.54	49.19
40	13.88	4	2.32	0.54	60.81
41	15.76	4	2.32	0.54	78.93
42	10.98	4	2.32	0.54	48.73
43	13.28	4	2.32	0.54	44.42
44	15.54	4	2.32	0.54	74.94
45	14.49	4	2.32	0.54	78.12
46	13.62	2	1.94	0.81	39.77
47	14.64	4	2.39	0.71	77.63
48	13.63	4	2.39	0.71	64.32
49	14.70	4	2.39	0.71	60.02
50	14.71	4	2.39	0.71	30.34
51	13.93	4	2.32	0.54	88.85
52	14.52	4	2.32	0.54	22.00
53	13.37	4	2.19	0.35	28.01
54	14.71	4	2.19	0.35	74.78
55	12.08	4	1.99	0.34	87.46
56	13.17	3	1.47	0.35	13.49
57	16.18	4	2.39	0.91	82.58
58	16.71	4	2.39	0.91	49.69
59	14.49	4	2.39	0.91	24.76
60	13.71	4	1.81	0.24	45.54
61	13.43	4	1.98	0.47	47.59
62	15.11	4	1.98	0.47	37.74
63	14.67	4	1.98	0.47	34.03
64	13.44	4	1.73	0.51	60.47
65	13.68	4	1.73	0.51	45.69
66	14.31	4	2.16	0.40	79.31
67	13.42	4	2.16	0.40	77.96
68	15.52	4	2.12	0.48	54.61
69	17.22	4	2.46	0.84	42.68
70	15.26	4	2.46	0.84	53.22
71	14.79	4	2.46	0.84	49.45
72	14.32	4	1.98	0.43	80.76
73	14.13	4	1.98	0.43	59.53
74	14.50	4	2.19	0.44	53.25
75	14.66	4	2.19	0.44	31.41
76	14.88	4	2.61	0.81	78.88
77	13.99	4	2.61	0.81	24.31
78	14.76	4	2.61	0.81	27.61

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
79	15.07	4	2.61	0.81	60.74
80	15.05	4	2.61	0.81	44.71
81	15.89	4	2.11	0.49	69.07
82	13.41	4	2.57	0.67	63.17
83	14.70	4	2.57	0.67	19.76
84	14.37	4	2.43	0.84	66.94
85	15.01	4	2.14	0.47	71.95
86	15.78	4	2.41	0.57	56.15
87	15.92	4	2.41	0.57	40.01
88	14.97	2	1.68	0.38	57.02
89	14.88	4	2.52	0.58	84.62
90	13.40	4	2.12	0.61	70.65
91	14.88	4	2.12	0.61	44.79
92	15.49	4	1.97	0.58	60.03
93	14.47	4	1.97	0.58	84.82
94	14.06	4	1.76	0.38	44.94
95	14.36	4	1.76	0.38	28.53
96	15.23	4	1.76	0.38	45.53
97	15.18	4	2.39	0.91	82.58
98	15.21	4	2.39	0.91	49.69
99	14.39	4	2.39	0.91	24.76
100	13.82	4	1.81	0.24	45.54
101	13.69	4	1.98	0.47	47.59
102	14.41	4	1.98	0.47	37.74
103	14.55	4	1.98	0.47	34.03
104	13.90	4	1.73	0.51	60.47
105	13.99	4	1.73	0.51	45.69
106	14.39	4	2.16	0.40	79.31
107	13.83	4	2.16	0.40	77.96
108	15.03	4	2.12	0.48	54.61
109	15.52	4	2.46	0.84	42.68
110	15.38	4	2.46	0.84	53.22
111	14.39	4	2.46	0.84	49.45
112	14.72	4	1.98	0.43	80.76
113	14.22	4	1.98	0.43	59.53
114	14.29	4	2.19	0.44	53.25
115	14.16	4	2.19	0.44	31.41
116	14.48	4	2.61	0.81	78.88
117	14.79	4	2.61	0.81	24.31
118	14.44	4	2.61	0.81	27.61

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
119	14.37	4	2.61	0.81	60.74
120	15.05	4	2.61	0.81	44.71
121	15.02	4	2.11	0.49	69.07
122	14.58	4	2.57	0.67	63.17
123	14.40	4	2.57	0.67	19.76
124	14.10	4	2.43	0.84	66.94
125	15.03	4	2.14	0.47	71.95
126	15.69	4	2.41	0.57	56.15
127	15.72	4	2.41	0.57	40.01
128	14.93	2	1.68	0.38	57.02
129	14.81	4	2.52	0.58	84.62
130	13.59	4	2.12	0.61	70.65
131	14.78	4	2.12	0.61	44.79
132	15.19	4	1.97	0.58	60.03
133	14.69	4	1.97	0.58	84.82
Mean Dpar = 2.19 Mean Dper = 0.58 Mean length (um) = 14.48+/- 0.09			Std. Dev. (um) = 1.08 Skewness = -1.33 Kurtosis = 5.73		

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.13	4	1.65	0.31	86.39
2	11.82	4	1.77	0.26	85.66
3	15.59	4	2.24	0.39	25.31
4	14.97	4	2.24	0.39	52.58
5	15.36	4	2.24	0.39	42.68
6	14.16	4	2.24	0.39	39.79
7	14.21	4	1.92	0.40	51.26
8	15.19	4	1.92	0.40	43.21
9	15.64	4	1.67	0.45	60.47
10	15.11	4	1.72	0.28	47.04
11	13.76	4	1.72	0.28	48.95
12	16.39	4	2.06	0.52	41.73
13	14.53	4	2.06	0.52	63.99
14	14.93	4	2.08	0.49	60.30
15	14.32	4	2.08	0.49	44.92
16	14.59	4	2.08	0.49	60.34
17	14.16	4	2.08	0.49	56.71
18	15.91	4	2.26	0.31	48.93
19	14.68	4	2.26	0.31	41.56
20	15.22	4	1.96	0.52	70.80
21	12.14	4	1.96	0.52	57.25
22	14.71	4	1.76	0.37	55.26
23	15.52	4	2.43	0.51	81.38
24	15.66	4	2.43	0.51	44.44
25	12.91	4	2.43	0.51	21.94
26	16.78	4	2.43	0.51	45.95
27	15.99	4	2.43	0.51	35.56
28	13.88	2	2.10	0.30	86.66
29	14.81	4	2.14	0.48	50.05
30	14.26	4	2.14	0.48	74.58
31	15.43	4	2.10	0.57	80.15
32	17.70	4	2.10	0.57	52.00
33	15.26	4	2.10	0.57	40.71
34	15.48	4	2.10	0.57	35.54
35	13.89	4	1.97	0.34	63.01
36	15.08	4	1.97	0.34	35.50
37	14.13	4	1.97	0.34	33.83

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	14.15	4	2.07	0.38	57.35
39	14.23	4	2.07	0.38	20.37
40	14.59	4	2.10	0.42	87.59
41	15.53	4	2.10	0.42	43.21
42	14.73	4	2.10	0.42	33.23
43	14.96	4	2.21	0.40	89.16
44	14.86	4	2.11	0.49	89.12
45	14.60	4	2.11	0.49	47.13
46	14.66	4	2.28	0.44	64.54
47	12.15	4	2.28	0.44	87.09
48	13.44	4	1.91	0.45	78.17
49	14.28	4	2.05	0.47	45.20
50	14.06	4	2.05	0.47	46.67
51	14.12	4	1.94	0.48	64.59
52	14.29	4	1.94	0.48	58.74
53	17.05	4	2.18	0.37	52.43
54	17.11	4	2.18	0.37	36.36
55	14.56	4	2.21	0.54	58.03
56	12.86	4	2.21	0.54	83.92
57	14.02	4	2.21	0.54	51.83
58	14.31	4	2.21	0.54	32.82
59	13.95	4	2.21	0.54	27.95
60	15.89	4	1.87	0.56	80.28
61	15.55	4	1.87	0.56	58.01
62	13.61	3	2.10	0.34	55.36
63	15.58	4	2.25	0.37	52.75
64	14.85	4	2.25	0.37	78.07
65	13.90	4	2.25	0.37	29.26
66	14.54	4	2.25	0.37	38.04
67	13.86	4	2.25	0.37	12.52
68	16.32	4	2.25	0.37	42.94
69	14.31	4	1.92	0.48	42.56
70	8.21	4	1.66	0.40	87.83
71	14.70	4	1.66	0.40	9.15
72	14.59	4	2.11	0.76	34.25
73	16.40	4	2.11	0.76	33.95
74	14.80	4	1.92	0.35	45.90
75	13.08	4	1.92	0.35	62.60
76	14.11	4	1.97	0.35	73.21
77	13.78	4	1.97	0.35	66.39

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.53	4	1.97	0.35	77.87
79	14.42	4	1.97	0.35	51.08
80	13.56	4	1.97	0.35	69.65
81	13.65	4	1.97	0.35	34.74
82	14.19	4	1.97	0.35	43.86
83	14.75	4	2.26	0.48	48.93
84	15.77	4	2.26	0.48	23.76
85	15.73	4	2.26	0.48	57.12
86	14.03	4	2.26	0.48	57.67
87	14.42	4	1.86	0.43	71.39
88	13.80	4	1.86	0.43	27.53
89	14.65	4	1.86	0.43	73.16
90	14.41	4	1.86	0.43	36.67
91	14.48	4	1.86	0.43	63.12
92	15.85	4	1.86	0.43	11.11
93	14.84	4	1.86	0.43	32.09
94	15.22	4	1.65	0.48	58.55
95	15.42	4	1.65	0.48	54.46
96	13.61	4	1.65	0.48	34.81
97	14.72	3	1.86	0.43	70.76
98	6.46	4	2.04	0.34	60.35
99	15.53	4	2.04	0.34	53.62
100	15.38	4	2.27	0.52	58.47
101	14.94	4	2.27	0.52	66.10
102	16.83	4	2.10	0.31	45.04
103	14.32	4	2.01	0.40	53.09
104	15.49	4	1.85	0.57	73.64
105	14.75	4	1.85	0.57	36.43
106	12.96	4	2.07	0.31	85.48
107	13.92	4	2.07	0.31	49.66
108	13.85	4	1.93	0.48	84.20
109	15.29	4	1.99	0.19	89.78
110	16.10	4	1.99	0.19	29.26
111	14.63	4	2.10	0.23	65.37
112	14.68	4	2.10	0.23	26.08
113	13.32	4	2.06	0.24	33.44
114	14.09	4	2.06	0.24	70.75
115	14.75	4	2.06	0.24	84.78
116	15.03	4	2.06	0.24	82.89
117	4.57	4	1.81	0.53	87.49

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	15.01	4	1.90	0.44	73.86
119	14.55	4	1.90	0.44	81.59
120	13.41	4	2.16	0.33	58.42
121	13.78	4	2.16	0.33	51.96
122	13.26	4	2.16	0.33	87.77
123	15.73	4	2.16	0.33	81.87
124	15.60	4	2.16	0.33	51.85
125	14.24	4	2.16	0.33	54.21
126	13.65	4	2.16	0.33	78.20
127	15.61	4	2.16	0.33	68.32
128	15.50	4	2.16	0.33	42.29
129	8.49	4	2.16	0.33	74.99
Mean Dpar	= 2.05		Std. Dev. (um)	= 1.69	
Mean Dper	= 0.42		Skewness	= -2.91	
Mean length (um)	= 14.44+/- 0.15		Kurtosis	= 12.93	

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Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
1	14.56	4	2.18	0.40	51.49
2	16.07	4	2.18	0.40	39.05
3	11.41	4	2.18	0.40	80.55
4	13.80	4	2.18	0.40	79.29
5	13.07	4	2.18	0.40	45.63
6	12.73	4	2.18	0.40	74.63
7	13.33	4	2.18	0.40	33.74
8	13.87	4	2.18	0.40	76.25
9	16.62	4	1.71	0.52	59.47
10	15.78	4	2.12	0.58	40.28
11	15.45	4	2.12	0.58	69.23
12	13.32	4	2.12	0.58	51.33
13	14.87	4	2.12	0.58	58.87
14	13.66	4	2.12	0.58	87.87
15	15.44	4	2.12	0.58	46.81
16	15.29	4	1.85	0.35	54.79
17	14.83	4	1.83	0.40	77.74
18	13.11	4	1.83	0.40	66.08
19	15.87	4	1.83	0.40	79.74
20	13.94	4	2.07	0.44	62.45
21	15.81	4	2.07	0.44	28.08
22	14.41	4	2.07	0.44	81.92
23	14.61	4	2.07	0.44	62.33
24	11.99	4	2.07	0.44	72.51
25	13.22	2	2.43	0.70	3.97
26	13.37	2	2.43	0.70	40.19
27	12.74	2	2.43	0.70	71.63
28	14.30	4	2.07	0.48	59.82
29	14.37	4	2.07	0.48	29.36
30	12.39	4	2.21	0.37	55.92
31	13.08	4	2.21	0.37	89.40
32	15.56	4	2.21	0.37	44.21
33	14.80	4	2.21	0.37	47.42
34	15.19	4	2.21	0.37	72.21
35	14.63	4	1.67	0.28	88.25
36	14.79	4	1.67	0.28	83.69
37	14.95	4	2.17	0.42	69.67

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
38	15.95	4	2.17	0.42	54.15
39	14.67	4	2.17	0.42	17.37
40	14.34	4	2.17	0.42	43.54
41	14.79	4	2.33	0.81	58.77
42	15.07	4	2.33	0.81	33.66
43	15.20	4	2.33	0.81	56.48
44	15.26	4	2.54	0.51	69.59
45	15.20	4	2.54	0.51	51.03
46	14.97	4	2.54	0.51	43.17
47	15.27	4	2.54	0.51	14.21
48	15.69	4	2.54	0.51	28.28
49	15.24	4	2.54	0.51	34.31
50	14.80	4	1.68	0.54	64.08
51	16.29	4	1.68	0.54	47.91
52	14.18	4	1.68	0.54	33.05
53	14.15	4	1.68	0.54	45.85
54	11.75	4	1.68	0.54	63.58
55	15.12	4	1.68	0.54	62.63
56	16.24	4	1.68	0.54	17.33
57	13.94	4	1.91	0.53	53.82
58	15.41	4	1.91	0.53	31.05
59	14.27	4	1.91	0.53	85.38
60	15.24	4	1.86	0.30	42.39
61	15.82	4	1.86	0.30	30.77
62	14.10	4	1.86	0.30	72.26
63	14.60	4	1.98	0.56	76.93
64	15.15	2	1.97	0.25	47.13
65	15.51	2	1.97	0.25	64.41
66	13.86	4	2.00	0.59	59.57
67	14.76	4	2.00	0.59	37.07
68	14.32	2	1.86	0.31	54.49
69	13.50	2	1.86	0.31	47.74
70	14.77	4	2.52	0.51	53.55
71	14.41	4	2.52	0.51	65.51
72	15.42	4	2.52	0.51	32.84
73	11.66	4	1.86	0.31	69.09
74	14.14	4	1.86	0.31	29.09
75	14.87	4	1.88	0.62	81.98
76	14.25	4	1.88	0.62	19.92
77	14.10	2	2.19	1.04	56.04

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
78	14.15	2	2.19	1.04	18.73
79	14.80	2	2.19	1.04	68.39
80	14.97	2	2.19	1.04	39.57
81	14.08	2	2.19	1.04	61.81
82	13.57	2	2.19	1.04	36.32
83	13.41	1	2.13	0.65	72.09
84	15.59	4	2.28	0.92	69.22
85	15.43	4	2.28	0.92	61.42
86	14.92	4	2.28	0.92	50.27
87	15.40	4	2.28	0.92	28.97
88	17.13	4	2.28	0.92	28.34
89	13.48	4	2.74	0.87	85.19
90	16.23	4	2.74	0.87	85.40
91	14.19	4	2.74	0.87	52.95
92	16.90	4	2.74	0.87	70.28
93	16.18	4	2.74	0.87	31.80
94	15.70	4	2.74	0.87	45.67
95	15.28	4	2.74	0.87	81.34
96	14.46	4	2.74	0.87	36.79
97	14.13	4	1.52	0.59	51.52
98	14.09	4	1.52	0.59	26.76
99	14.82	4	1.52	0.59	78.55
100	15.37	4	1.52	0.59	77.41
101	14.97	4	1.52	0.59	44.85
102	15.46	4	1.52	0.59	77.62
103	15.27	4	2.28	0.70	70.44
104	14.86	4	2.28	0.70	43.35
105	14.00	4	2.10	0.44	41.28
106	14.97	4	2.06	0.35	54.23
107	14.60	4	2.06	0.35	11.12
108	14.23	4	2.06	0.35	31.41
109	15.47	4	2.06	0.35	39.50
110	16.81	2	2.23	0.24	52.09
111	14.89	2	2.23	0.24	15.49
112	16.13	2	2.23	0.24	48.30
113	16.26	2	2.23	0.24	8.68
114	14.95	1	2.10	0.12	60.81
115	14.55	4	1.81	0.44	80.58
116	15.50	4	2.20	0.29	44.29
117	15.37	4	2.20	0.29	74.18

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
118	14.86	4	2.20	0.29	80.65
119	14.91	4	2.20	0.29	38.54
120	16.51	4	2.20	0.29	66.56
121	14.73	4	2.57	0.78	36.80
122	15.73	4	2.57	0.78	40.99
123	17.60	4	2.57	0.78	8.48
124	13.58	4	2.57	0.78	76.46
125	14.97	4	2.57	0.78	30.36
126	13.64	4	2.57	0.78	21.61
127	14.80	4	2.57	0.78	45.23
128	17.10	4	2.43	0.76	84.24
129	15.58	4	2.43	0.76	45.07
130	14.81	4	2.43	0.76	69.90
131	14.30	4	2.43	0.76	81.90
132	14.44	2	1.53	0.29	51.23
133	14.70	1	2.52	0.42	69.46
134	15.80	4	2.10	0.67	71.36
135	15.47	4	2.10	0.67	82.55
136	11.55	4	2.10	0.67	72.45
137	16.26	4	2.10	0.67	38.47
138	15.90	4	2.21	0.44	83.74
139	11.01	4	2.21	0.44	63.50
140	12.80	4	2.21	0.44	80.45
141	15.34	4	2.21	0.44	8.26
142	16.99	4	2.21	0.44	18.77
143	14.30	4	1.58	0.48	38.06
144	14.92	4	1.58	0.48	45.20
145	15.67	4	1.58	0.48	10.32
146	16.44	4	1.58	0.48	61.58
147	16.18	4	1.58	0.48	52.06
148	12.98	4	1.58	0.48	83.21
149	15.74	4	1.58	0.48	39.71
150	16.82	4	1.58	0.48	41.22
151	14.89	4	1.86	0.34	31.77
152	15.48	4	1.86	0.34	86.27
153	14.08	4	1.86	0.34	57.44
154	13.82	4	2.52	0.95	27.19
155	13.52	4	1.92	0.35	40.68
156	14.65	4	1.92	0.35	37.98
157	14.80	4	1.92	0.35	72.48

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
158	12.63	4	1.92	0.35	72.55
159	15.57	4	1.92	0.35	23.28
160	12.35	4	1.92	0.35	59.22
161	15.23	4	2.43	0.51	84.39
162	14.92	4	2.43	0.51	37.36
163	12.50	4	2.13	0.53	72.92
164	13.18	4	2.13	0.53	76.04
165	12.49	4	2.13	0.53	89.33
166	15.71	4	1.54	0.45	85.31
167	14.38	4	1.54	0.45	88.54
168	16.17	4	2.14	0.47	63.05
169	15.12	4	2.45	0.53	56.49
170	16.08	4	2.45	0.53	38.18
171	16.05	4	2.30	0.49	81.93
172	14.45	4	2.30	0.49	50.70
173	15.62	4	2.30	0.49	30.03
174	13.21	4	2.30	0.49	83.28
175	14.01	4	2.30	0.49	46.14
176	15.19	4	2.30	0.49	23.48
177	13.71	4	2.30	0.49	81.46
178	15.33	4	2.30	0.49	31.56
179	14.80	4	1.66	0.54	46.57
180	14.99	4	1.66	0.54	69.02
181	16.26	4	1.66	0.54	52.48
182	13.50	4	1.66	0.54	45.39
183	12.64	4	1.66	0.54	84.85
184	14.64	4	1.66	0.54	80.25
185	15.21	4	1.66	0.54	51.13
186	14.98	4	1.66	0.54	16.68
187	14.51	4	2.39	0.33	80.58
188	15.40	4	2.39	0.33	11.25
189	14.60	4	1.79	0.52	0.75
190	13.93	4	1.79	0.52	53.72
191	15.94	4	1.98	0.34	67.06
192	14.94	4	1.98	0.34	76.29
193	13.85	4	1.98	0.34	39.93
194	12.98	4	2.16	0.61	73.84
195	12.34	4	2.16	0.61	75.70
196	13.83	4	2.16	0.61	39.65
197	15.28	4	2.16	0.61	54.02

Track Number	Length (microns)	Etch Figures	Dpar (microns)	Dpar (microns)	Angle to c-axis (degrees)
198	14.18	4	2.16	0.61	56.26
199	13.00	4	2.16	0.61	77.96
200	15.05	4	2.16	0.61	34.51
201	13.87	4	2.16	0.61	33.45
202	14.30	4	1.76	0.40	55.29
203	15.86	4	1.76	0.40	23.30

Mean Dpar	= 2.10	Std. Dev. (um)	= 1.17
Mean Dper	= 0.53	Skewness	= -0.48
Mean length (um)	= 14.68+/- 0.08	Kurtosis	= 0.35

5. Acknowledgements

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Appendix A: Modeling Procedures for AFTSolve

A.1 Installation of AFTSolve

AFTSolve is written for the Microsoft Windows 3.x and higher operating systems.

To install AFTSolve, perform the following procedures:

1. Start your computer as usual.

2. Place the diskette labeled **AFTSolve** into drive A (or B).

3. Create a folder or subdirectory named **AFTSolve** on your hard drive (usually drive C).

4. Using your system's copy function, copy the program **aftsolve.exe** and the library **bwcc.dll** from the diskette in drive A (or B) to the folder or subdirectory named **AFTSolve** on your hard drive (usually drive C).

A.2 Loading Data and Models into AFTSolve

To run AFTSolve and view modeled data, perform the following procedures:

1. If AFTSolve has been placed in a folder or subdirectory named **AFTSolve** on drive C, then launch AFTSolve by using the run command and entering **c:\aftsolve\aftsolve**. The initial start-up screen contains information about AFTSolve Copyrights (**Figure A.1**), Patents (**Figure A.2**), and Authors (**Figure A.3**). After thoroughly reviewing this information, click the *OK* button and the main program interface window of AFTSolve appears (**Figure A.4**).

Figure A.1 The About Copyright dialog box for AFTSolve.

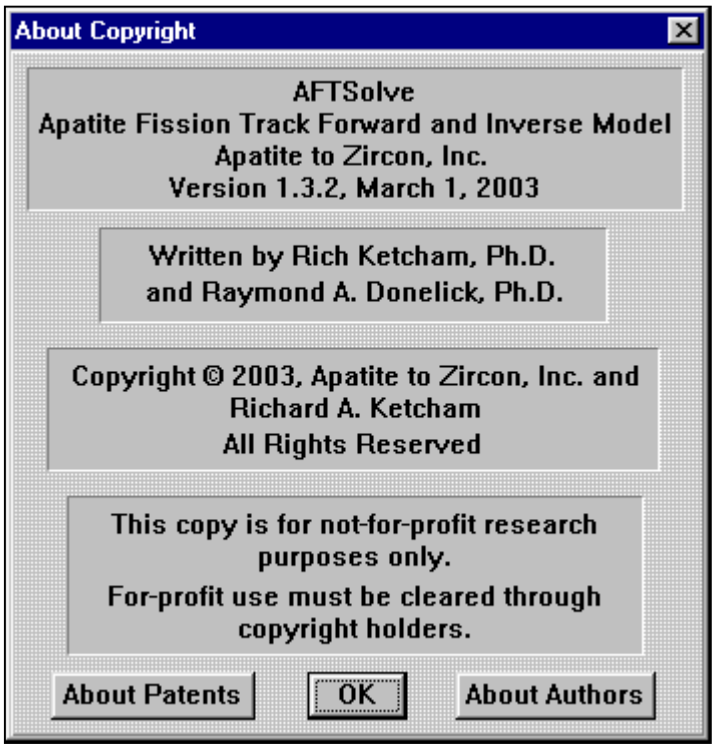


Figure A.2 The About Patents dialog box for AFTSolve.

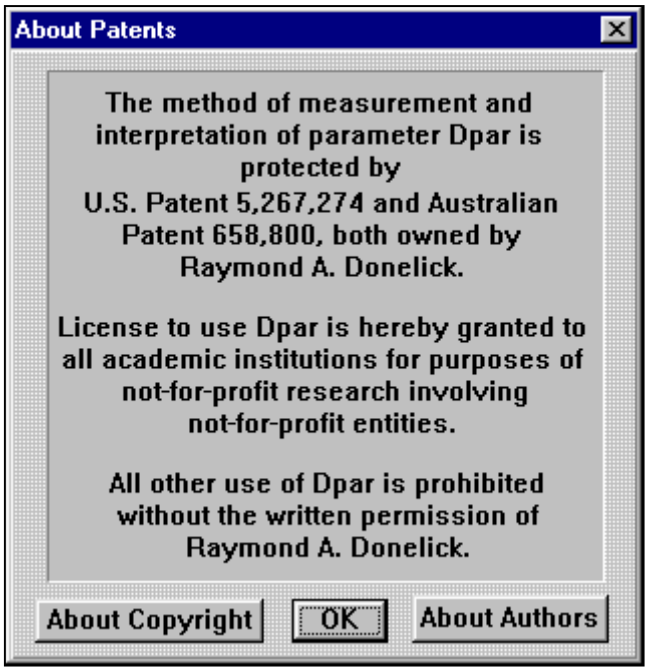


Figure A.3 The About Authors dialog box for AFTSolve.

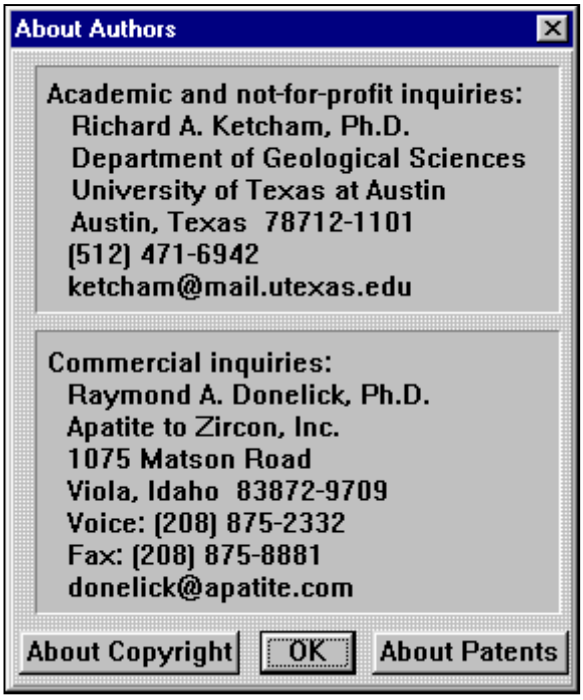
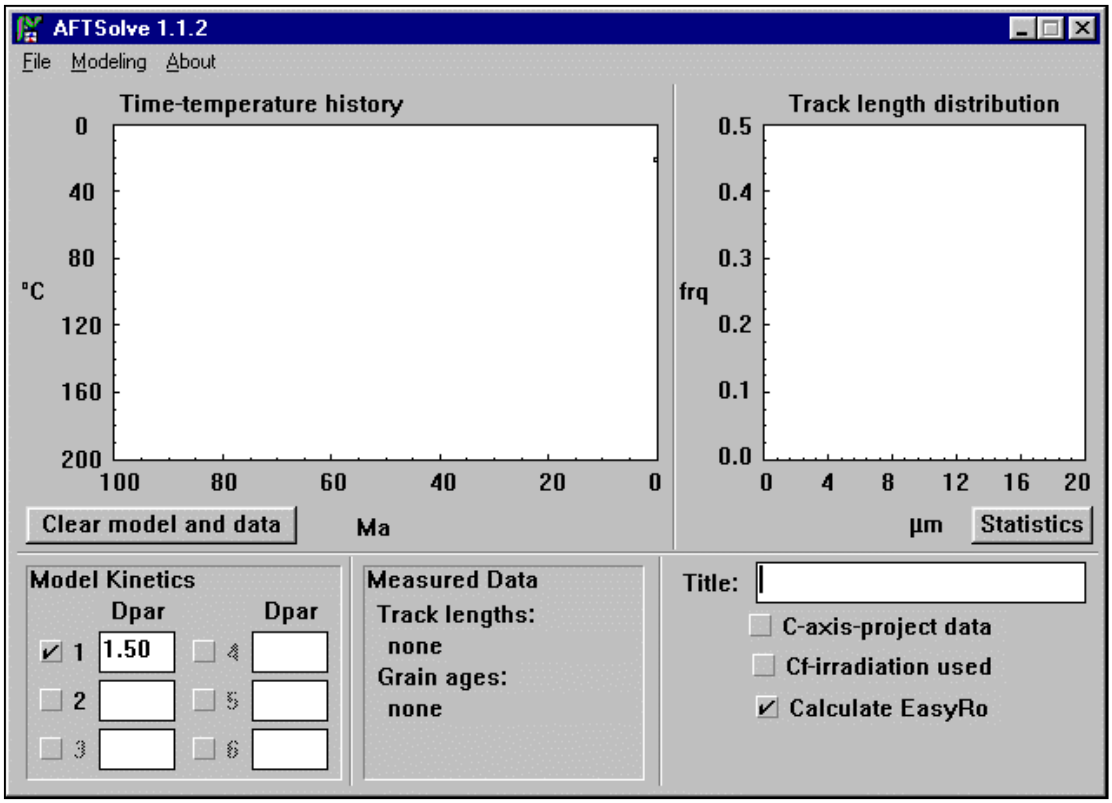


Figure A.4 The main program interface window of AFTSolve.



2. To load and view modeled data, insert the diskette labeled **Apatite to Zircon Report Number xxx** (xxx=report number) into drive A (or B). Using the *File* menu item in the main program interface window, select the option *Open*. The model data files that AFTSolve creates and reads have extension **.fmd** and are stored in subdirectory **a:\models** (or **b:\models**). An example file name is **1711dm.fmd**. The first three digits **171** are the Apatite to Zircon Report Number; subsequent digits (in this case the digit **1**) represent the sample number in the report sample series (see **Table 1.1** for cross-reference between A2Z sample numbers and the sample names provided by the Client). The letter **m** indicates a completed model. Choose a file name from the listing in subdirectory **a:\models** (or **b:\models**) and open it.

3. Using the menu item *Modeling* select option *Data Fitting...* Also, click on the *Statistics* button on the right hand side of the main program interface window. The result of these operations should look something like **Figure A.5**. When the *Data Fitting* and *Model Statistics* dialog boxes appear, they can be dragged out of the way of useful information.

4. To test an alternative temperature history, click on the *Data Fitting* dialog box and close it. This puts AFTSolve into the forward modeling mode, permitting the user to specify a new temperature history, while maintaining the A2Z, Inc. solution as a background for guidance. To specify an alternative temperature history, simply move the cursor into the time-temperature field and click the left mouse button where time-temperature points are desired. The example in **Figure A.6** shows an alternative temperature history to that shown in **Figure A.5**. The temperature at 0 Ma (i.e., the present-day temperature condition) is automatically set to 20°C by AFTSolve. Any temperature history point, including the point representing the present-day condition, can be moved by clicking and holding the left mouse button on it, dragging it to its new location, and releasing the left mouse button. Similarly, any one of these temperature history points, with the exception of the point representing the present-day condition, can be deleted by clicking the right mouse button on it. Any temperature history is considered statistically acceptable when both the *K-S Test* and *Age GOF* statistics in the *Model Statistics* dialog box are greater than or equal to 0.05.

Figure A.5 Model results shown in the main program interface window of AFTSolve.

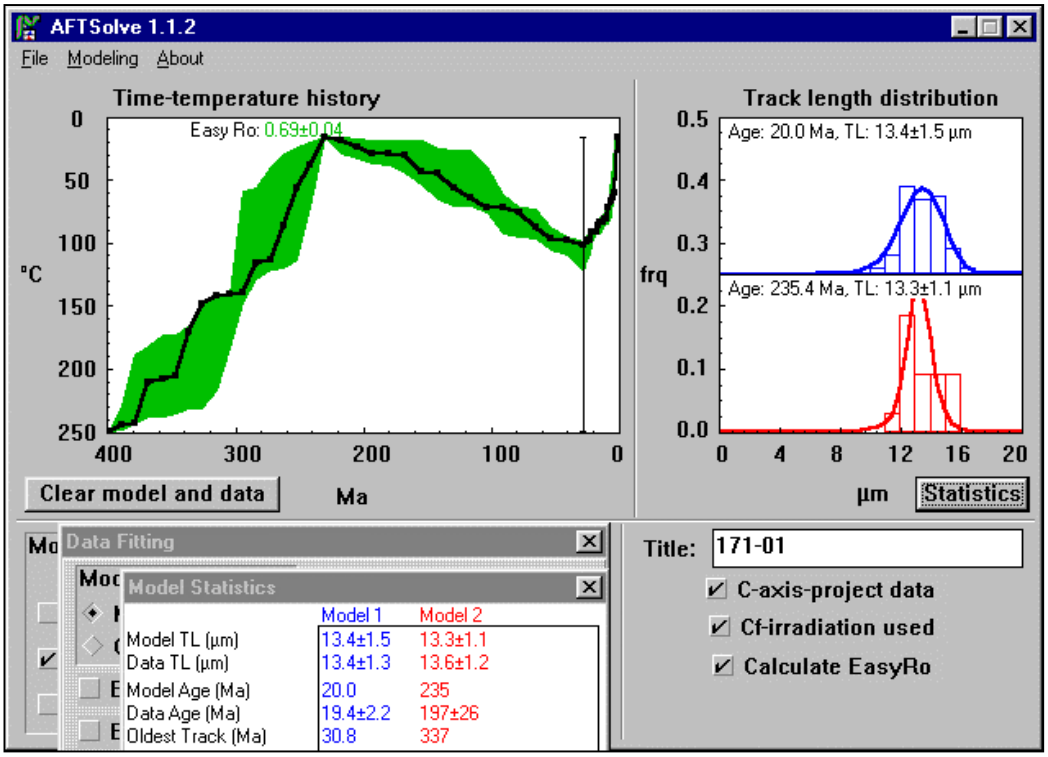
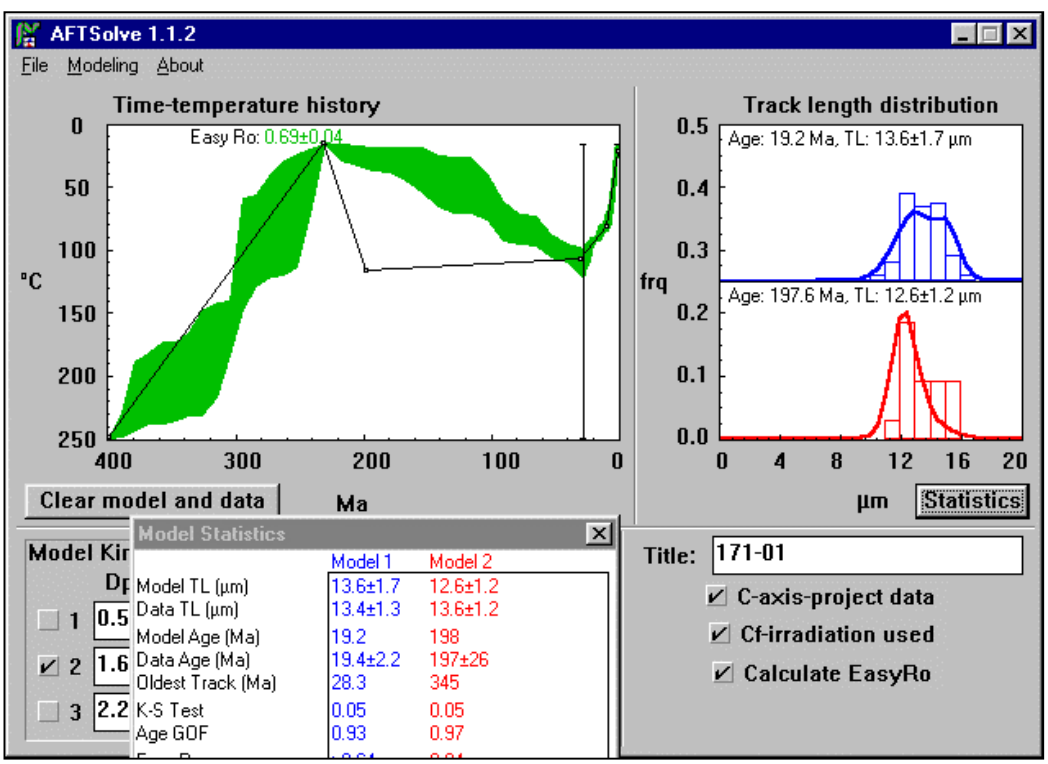


Figure A.6. The data from **Figure A.5** modeled with an alternative temperature history.



Appendix B: Fission-Track Laboratory Procedures

B.1 General

All laboratory procedures were performed under the direction of Raymond A. Donelick, Margaret B. Donelick, and Paul B. O'Sullivan at Apatite to Zircon, Inc. facilities located in Viola, Idaho, U.S.A. All samples are stored on site during and after analysis, although they remain the property of the Client that submitted them for analysis.

B.2 Sample Preparation and Measurement Feasibility Assessment

Each sample was reduced to sand-sized particles using a jaw-crusher and pulverizer, sieved through a 300 µm mesh, washed in water to remove clay-sized particles, and dried at room temperature. After drying, any apatite initially present in each sample was isolated using standard gravimetric and magnetic mineral separation techniques.

One or two apatite grain mounts were prepared for each sample. Each grain mount consists of some quantity of apatite grains immersed in epoxy resin that was cured at 90°C for one hour. Once cured, each grain mount was polished to a glass-like finish to expose internal surfaces of the apatite grains within it. After polishing, one apatite grain mount for each sample was immersed in 5.5N HNO_3 for 20.0 seconds (± 0.5 seconds) at 21°C (± 1°C) to reveal any natural fission track that intersects its respective polished apatite grain surface. The feasibility of measurement of the apatite fission-track parameters (i.e., grain ages and track lengths) was assessed by quickly scanning the polished and etched grain mount to determine if any apatite is actually present. If more than one apatite grain is observed during this quick scan, measurement of the apatite fission-track parameters is considered feasible.

B.3 Fission-Track Age Measurement

Fission-track ages of individual apatite grains were measured using the external detector method of analysis. Natural fission tracks form as a result of the spontaneous nuclear fission of trace amounts of ^{238}U within an apatite grain. Using a modified version of the radioactive decay equation, the fission-track age of an apatite grain is calculated using the ratio of the number of fission tracks present in the grain to the amount of ^{238}U present in the grain. It is very difficult to

directly measure the ^{238}U concentration in a small, sand-sized apatite grain; however, it is relatively easy to measure the ^{235}U concentration in such a grain using thermal-neutron activation analysis. The ^{238}U concentration in an apatite grain is calculated from the ^{235}U concentration using the constant ratio of $^{238}U/^{235}U$ observed in nature (137.88 by convention; Steiger and Jäger, 1977).

Each apatite grain mount prepared for fission-track age measurement was covered by a thin, low-uranium muscovite mica sheet, placed in intimate contact with the polished and etched grain surfaces. For purposes of standardization, a similar mica sheet was placed in intimate contact with a small chip of ^{235}U-doped glass (CN-1 glass; courtesy of Dr. Jan Schreurs, formerly of Corning Glass Works, Corning, New York). The mica-grain mount and mica-CN-1 sandwiches were irradiated simultaneously for 45 minutes (apatite) in position D-9 of the Washington State University nuclear reactor while the reactor was operating at 1 MW power output. These irradiations yielded thermal-neutron fluences of approximately 1.00×10^{16} neutrons/cm^2 (apatite). Following neutron irradiation, the short-lived radionuclides were allowed to decay to background levels. The mica sheets were removed from the grain mounts and the CN-1 glass and immersed in 48% HF at 20°C (± 1°C) for 15 minutes (± 15 seconds) to reveal any induced fission tracks resulting from the induced fission of ^{235}U in the adjacent grains and the CN-1 glass, respectively. The induced fission-track densities observed for an apatite grain and the CN-1 glass were used to calculate the ^{238}U concentration in the apatite grain.

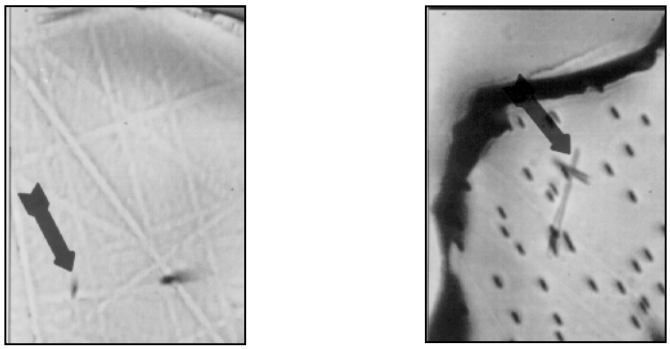
Fission-track ages for apatite were calculated using a modified version of the radioactive decay equation that includes the so-called zeta calibration factor. A zeta calibration factor of 104.5±2.6 (apatite) for Paul B. O'Sullivan was determined using apatite and zircon from the Fish Canyon Tuff (U.S.A.) and apatite from Cerro de Mercado, Durango, Mexico as calibration standards.

B.4 Fission-Track Length Measurement for Apatite

The total etched length of a natural fission track in apatite is a strong indicator of the integrated thermal history that the track has experienced. Fission tracks form continuously through time at a rate determined solely by the concentration of ^{238}U in the host apatite grain. As such, the distribution of fission-track lengths in an apatite contains abundant information about the time-temperature path experienced by the apatite, particularly the cooling history since the time of peak temperature.

Only natural, horizontal, confined fission tracks in apatite with clearly visible ends were considered candidates for length measurement. Fission tracks were viewed in unpolarized light at 2000x magnification (100x dry objective, 1.25x projection tube, 16x oculars). The length and crystallographic orientation of each fission track was determined using a digitizing tablet interfaced with a personal computer. The precision of each track length is estimated to be ±0.20 μm; the precision of each track angle to the crystallographic c-axis is estimated to be ±2 degrees.

Donelick and Miller (1991) demonstrated that irradiating apatite grains with ^{252}Cf-derived fission fragments can yield a 20-fold increase in the number of available fission tracks for length measurement (**Figure B.1**). The irradiation and analytical procedures employed are detailed below:



(a) (b)

Figure B.1. Transmitted light photomicrographs taken at 1562.5x magnification of two apatite crystals from the same sample that exhibit low natural fission-track densities.
(a) not irradiated with ^{252}Cf fission fragments (arrow indicates a natural fission track).
(b) irradiated with approximately 5x10^7 tracks/cm^2 ^{252}Cf fission fragments (arrow indicates a natural fission track totally confined within the crystal for which a track length can be measured and which was etched via a ^{252}Cf fission fragment track).

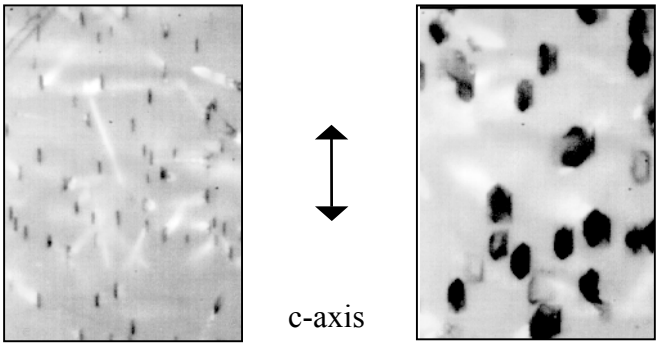
1. *Samples for which 2 or more apatite grain mounts were prepared:* The second of two polished grain mounts was irradiated with approximately 10^7 tracks/cm^2 fission fragments from a 50 µCi (activity as of July, 1996) ^{252}Cf source in a vacuum chamber. Irradiated grain mounts were then immersed in 5.5N HNO_3 for 20.0 seconds (± 0.5 seconds) at 21°C (± 1°C) to reveal any horizontal, confined fission tracks, and the track lengths were then measured.

2. *Samples for which only 1 apatite grain mount was prepared:* The grain mounts were first immersed in 5.5N HNO_3 for 20.0 seconds (± 0.5 seconds) at 21°C (± 1°C) to reveal only the natural fission tracks. The natural fission-track densities were then counted in suitable apatite grains and the grain locations digitally recorded. Then, the grain mounts were irradiated with approximately 10^7 tracks/cm^2 fission fragments from a 50 µCi (activity as of July, 1996) ^{252}Cf source in a vacuum chamber. Irradiated grain mounts were then re-immersed in 5.5N HNO_3 for 20.0 seconds (± 0.5 seconds) at 21°C (± 1°C) to reveal any horizontal, confined fission tracks, and the track lengths were then measured. Then the grain mounts were affixed with mica sheets and processed further for external detector fission-track age analysis.

B.5 Kinetic Classification of each Apatite Grain

It is well known that apatite fission track ages and total etched fission track lengths are strongly correlated with the solubility of their host apatite grain in samples that have experienced significant residence time at temperatures above approximately 70°C (see Burtner et al., 1994; U.S. Patent Number 5,267,274; Australian Patent Number 658,800). The parameter used to quantify solubility is termed *D*par in this report. *D*par refers to the maximum diameter of fission

track etch pits parallel to the crystallographic c-axis at their intersection with the polished and etched apatite surface (**Figure B.2**).



(a) (b)

Figure B.2. Reflected light photomicrographs taken at 1562.5x magnification of two apatite crystals that exhibit very different *D*par values (see text). Both apatite crystals were etched in 5.5N HNO_3 for 20.0 seconds (± 0.5 seconds) at 21°C (± 1°C).
(a) *D*par=1.83 µm (apatite from Durango, Mexico ([F]=3.33 wt.%, [Cl]=0.43 wt.%).
(b) *D*par=4.99 µm (apatite from Bamble, Norway ([F]=0.08 wt.%, [Cl]=6.37 wt.%).

Fission tracks in apatite grains exhibiting the smallest *D*par values usually anneal more quickly than fission tracks in apatite grains having larger *D*par values. In an apatite grain having a *D*par value near 1.50 µm (a typical fluorine-rich apatite), fission tracks generally do not survive geological heating above about 100°C. On the other hand, in an apatite grain having a *D*par value near 3.00 µm (a typical chlorine-rich apatite), fission tracks may survive geological heating above 150°C.

For each apatite grain from which fission-track data were measured, between one and four etch pit diameters were measured and an arithmetic mean *D*par value calculated from these individual values.

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Appendix D: Detailed Sample Location Map

(See Table 2.1 for location descriptions)