Geologic Map of the Duba-Lunpola Area, Central Tibet

J. Volkmer, S. He, P. Kapp, and Q. Lai

Explanation of units:

- Qal — Quaternary alluvium
- N-Q — Neogene to Quaternary basin fills
- T *rb* — Tertiary redbeds
- K-T — Cretaceous-Tertiary: synorogenic sandstone (lower), upward coarsening to limestone conglomerate
- K *ls* — Cretaceous Langshan Fm. - rudist and orbitolina bearing limestone/carbonate mudstone; occasional patch reef facies
- K *d* — Cretaceous Duba Fm. - sandstone, volcaniclastic sandstone, quartz and quartzite pebble conglomerate
- K *grnt* — Cretaceous granitoid
- J-K — Jurassic-Cretaceous: black shale, mudstone, sandstone, and conglomerate (sparse)
- J — Jurassic: low-grade metasedimentary and metavolcanic rocks

Geologic Symbols:

- Contacts: solid (well located), dashed (approximately located), dotted (buried), and queried (inferred)
- Thrust fault (triangle on hanging wall)
- Passive roof thrust (triangles on hanging wall)
- Normal fault (bar and ball on hanging wall)
- Triangular arrow indicates strike and dip of fault; diamond arrow indicates trend and plunge of striae on fault surface
- Anticline; axial trace and plunge direction
- Syncline; axial trace and plunge direction
- Strike and Dip of Bedding; inclined; overturned; estimated
- JV61604-3 — Sample locality and identification
- JV70905-1 138±2Ma(U/Pb Zr) — Sample locality and identification with age and dating system
- Marker bed
- Paleo-shorelines (inferred from satellite imagery)

Geographic coordinate system:
WGS_1984

0 5 10 15 20 km
contour interval = 100 m

Excel file (from PDF file below) here.

Table DR1. U-Pb zircon geochronologic analyses by Laser-Ablation Multicollector ICP Mass Spectrometery

					Isotopic ratios						Apparent ages (Ma)					
Analysis	U	206Pb	U/Th	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±
	(ppm)	204Pb		235U	(%)	238U	(%)	corr.	238U	(Ma)	235U	(Ma)	207Pb*	(Ma)	(Ma)	(Ma)
Sample JV61504-1																
standard	438	36282	4.6	0.72716	7.6	0.09083	2.5	0.33	560.4	13.2	554.9	32.3	532.1	156.6	560.4	13.2
standard	359	39191	4.9	0.75977	5.0	0.09158	1.9	0.38	564.9	10.4	573.9	21.9	609.6	100.0	564.9	10.4
standard	193	19769	5.0	0.76326	8.4	0.09381	4.0	0.48	578.1	22.4	575.9	37.1	567.3	161.5	578.1	22.4
standard	415	82057	4.7	0.73235	5.4	0.09074	2.0	0.37	559.9	10.8	557.9	23.3	549.8	109.9	559.9	10.8
JV61504-1-01	478	5034	4.2	0.17117	16.9	0.01953	3.6	0.21	124.7	4.4	160.4	25.1	727.6	352.9	124.7	4.4
JV61504-1-03	378	2710	7.0	0.18586	21.1	0.01813	4.0	0.19	115.9	4.6	173.1	33.5	1050.6	420.8	115.9	4.6
JV61504-1-04	358	14703	5.0	0.19191	27.9	0.02141	3.2	0.11	136.5	4.3	178.3	45.7	774.8	594.4	136.5	4.3
JV61504-1-05	442	30178	2.2	0.15548	23.8	0.01993	5.8	0.24	127.2	7.3	146.7	32.6	475.6	516.9	127.2	7.3
standard	314	119061	5.1	0.76069	6.4	0.09264	4.1	0.64	571.1	22.2	574.4	27.9	587.4	106.4	571.1	22.2
JV61504-1-06	511	23102	2.9	0.14892	18.9	0.01971	3.0	0.16	125.8	3.7	141.0	24.9	404.5	420.9	125.8	3.7
JV61504-1-07	1137	208157	5.5	1.21034	2.2	0.11959	1.8	0.82	728.2	12.3	805.3	12.1	1025.1	25.1	728.2	12.3
JV61504-1-08	166	6202	1.4	0.20191	46.0	0.02004	8.5	0.19	127.9	10.8	186.7	78.7	1016.4	966.8	127.9	10.8
standard	405	122706	4.8	0.74683	6.2	0.08914	2.5	0.40	550.4	13.0	566.4	27.1	630.9	123.5	550.4	13.0
JV61504-1-09	517	31835	7.3	0.16415	10.7	0.01955	1.8	0.17	124.8	2.2	154.3	15.3	635.4	227.1	124.8	2.2
JV61504-1-10	259	8653	1.6	0.11189	38.9	0.02029	4.6	0.12	129.5	5.9	107.7	39.8	-351.0	1029.7	129.5	5.9
JV61504-1-11	820	4233	6.2	0.11915	16.0	0.01915	3.5	0.22	122.3	4.2	114.3	17.3	-48.5	381.9	122.3	4.2
standard	347	52922	4.9	0.73688	7.7	0.09158	2.5	0.33	564.9	13.7	560.6	33.1	543.2	159.0	564.9	13.7
JV61504-1-12	502	7392	6.6	0.16826	17.6	0.01998	2.4	0.13	127.5	3.0	157.9	25.8	642.0	378.5	127.5	3.0
JV61504-1-13	866	12918	8.8	0.13887	10.8	0.01957	2.5	0.23	124.9	3.1	132.0	13.4	261.5	243.0	124.9	3.1
JV61504-1-14	780	16881	9.3	0.14379	17.2	0.01923	2.7	0.16	122.8	3.3	136.4	22.0	380.4	384.5	122.8	3.3
standard	312	3766	5.0	0.72394	12.6	0.09288	3.1	0.24	572.6	16.9	553.0	54.0	473.2	272.1	572.6	16.9
JV61504-1-15	614	7814	10.0	0.15643	12.0	0.01950	2.2	0.18	124.5	2.7	147.6	16.5	536.4	259.4	124.5	2.7
JV61504-1-16	189	5015	2.4	0.26070	26.4	0.02053	5.3	0.20	131.0	6.9	235.2	55.4	1469.0	498.8	131.0	6.9
JV61504-1-17	389	777	1.2	0.13048	28.3	0.01935	5.3	0.19	123.5	6.5	124.5	33.2	143.7	664.4	123.5	6.5
JV61504-1-18	508	14660	2.8	0.16071	19.0	0.01940	6.2	0.33	123.8	7.6	151.3	26.7	606.7	391.4	123.8	7.6
JV61504-1-19	405	24343	2.4	0.13761	20.7	0.01983	3.1	0.15	126.6	3.9	130.9	25.4	210.2	478.0	126.6	3.9
JV61504-1-20	207	13543	1.4	0.21889	26.6	0.01983	5.5	0.21	126.6	6.9	201.0	48.6	1198.4	523.0	126.6	6.9
standard	464	114605	4.6	0.71021	5.4	0.08910	3.2	0.59	550.2	16.9	544.9	22.9	522.6	96.0	550.2	16.9
JV61504-1-21	355	25958	1.7	0.16773	22.4	0.01900	2.9	0.13	121.3	3.4	157.4	32.7	743.0	475.6	121.3	3.4
JV61504-1-22	571	22480	1.6	0.15079	14.2	0.01965	2.7	0.19	125.4	3.4	142.6	18.9	438.6	311.4	125.4	3.4
JV61504-1-24	662	56738	9.4	0.16989	11.6	0.02062	5.3	0.46	131.6	6.9	159.3	17.1	595.0	224.2	131.6	6.9
JV61504-1-25	758	53793	8.3	0.14366	12.2	0.01875	2.5	0.20	119.7	2.9	136.3	15.5	435.6	266.6	119.7	2.9
JV61504-1-26	511	22919	0.9	0.16606	12.5	0.02013	3.0	0.24	128.4	3.8	156.0	18.1	597.9	264.7	128.4	3.8
standard	342	112645	4.7	0.73591	8.6	0.09023	2.2	0.26	556.9	12.0	560.0	37.2	572.6	181.7	556.9	12.0
JV61504-1-27	673	65929	2.1	0.15369	14.7	0.01960	3.3	0.22	125.1	4.0	145.2	19.9	486.3	318.7	125.1	4.0
JV61504-1-28	663	6942	9.5	0.15319	13.1	0.01931	4.3	0.33	123.3	5.3	144.7	17.7	512.6	273.2	123.3	5.3
JV61504-1-29	607	42682	9.6	0.16782	12.3	0.01907	3.0	0.24	121.8	3.6	157.5	17.9	735.6	253.0	121.8	3.6
standard	241	48356	4.9	0.74934	9.7	0.09216	2.5	0.26	568.3	13.8	567.8	42.2	565.9	204.3	568.3	13.8
standard	295	22006	5.0	0.74694	5.8	0.09240	1.6	0.28	569.7	8.9	566.4	25.0	553.4	120.6	569.7	8.9
JV61504-1-30	146	17129	1.8	0.21235	35.3	0.02097	7.1	0.20	133.8	9.4	195.5	62.8	1025.7	720.5	133.8	9.4
JV61504-1-31	245	11916	2.5	0.15383	38.4	0.01966	5.7	0.15	125.5	7.1	145.3	52.0	482.3	867.8	125.5	7.1
JV61504-1-32	612	32854	6.2	0.13204	20.0	0.01951	3.4	0.17	124.5	4.1	125.9	23.7	152.3	465.2	124.5	4.1
standard	181	24611	5.2	0.79862	8.7	0.09136	3.5	0.41	563.6	19.0	596.1	39.1	721.7	168.5	563.6	19.0
Sample JV61504-2																
standard	449	674333	3.9	0.73406	5.4	0.09188	3.6	0.67	566.6	19.7	558.9	23.4	527.7	88.8	566.6	19.7
standard	552	248122	4.8	0.73341	3.4	0.08977	2.4	0.73	554.2	13	558.6	14.5	576.4	50.2	554.2	13
standard	498	734070	4.5	0.74353	2.9	0.09101	2.1	0.73	561.5	11.3	564.5	12.4	576.4	42.6	561.5	11.3
standard	436	2E+06	3.8	0.73497	3.2	0.08854	2.6	0.81	546.9	13.6	559.5	13.8	611.0	41.1	546.9	13.6
JV61504-2-01	616	159340	5.6	0.14252	12.0	0.01886	3.9	0.32	120.4	4.7	135.3	15.2	404.7	255.5	120.4	4.7
JV61504-2-02	750	269964	5.8	0.13354	9.6	0.01923	2.5	0.26	122.8	3.0	127.3	11.5	211.4	216.2	122.8	3.0
standard	473	699636	4.5	0.73635	3.2	0.09130	1.3	0.39	563.2	6.9	560.3	14.0	548.2	65.1	563.2	6.9
JV61504-2-04	850	350954	11.1	0.14260	8.5	0.02005	3.2	0.38	128.0	4.1	135.4	10.7	266.7	180.1	128.0	4.1
JV61504-2-06	800	297531	3.1	0.13209	8.7	0.01860	2.6	0.30	118.8	3.1	126.0	10.2	264.2	189.4	118.8	3.1
standard	214	12225	4.5	0.75405	8.1	0.09298	3.8	0.47	573.1	20.7	570.6	35.3	560.3	155.9	573.1	20.7

standard	260	7810	4.4	0.73344	4.3	0.09270	2.1	0.48	571.5	11.3	558.6	18.7	506.2	84.0	571.5	11.3
JV61504-2-07	954	179147	4.2	0.18852	5.0	0.02569	4.0	0.80	163.5	6.4	175.4	8.0	338.3	68.5	163.5	6.4
JV61504-2-08	474	53793	5.9	0.14739	11.3	0.01996	2.5	0.22	127.4	3.1	139.6	14.8	351.8	250.3	127.4	3.1
JV61504-2-09	571	235000	1.5	0.13694	6.9	0.01902	3.2	0.46	121.4	3.8	130.3	8.5	295.5	141.0	121.4	3.8
standard	521	418539	5.0	0.73203	2.2	0.08941	1.6	0.73	552.1	8.7	557.7	9.6	581.0	33.5	552.1	8.7
JV61504-2-10	805	558810	9.7	0.14737	6.5	0.01967	2.8	0.42	125.6	3.4	139.6	8.5	385.0	133.3	125.6	3.4
JV61504-2-11	1127	355040	4.7	0.13573	5.8	0.01914	2.8	0.47	122.2	3.3	129.2	7.1	260.4	118.4	122.2	3.3
JV61504-2-12	512	362579	5.5	0.19462	9.0	0.02621	2.7	0.30	166.8	4.5	180.6	15.0	365.1	194.9	166.8	4.5
standard	416	721401	4.5	0.76404	3.5	0.09289	1.0	0.28	572.6	5.5	576.3	15.5	591.1	73.5	572.6	5.5
standard	458	396167	4.5	0.74721	4.1	0.09154	1.5	0.37	564.6	8.1	566.6	17.6	574.5	82.0	564.6	8.1
JV61504-2-13	1049	398071	10.1	0.13798	5.5	0.01943	2.6	0.46	124.1	3.1	131.2	6.8	263.3	112.3	124.1	3.1
JV61504-2-14	846	282482	10.1	0.13526	10.3	0.01946	2.6	0.25	124.3	3.2	128.8	12.5	213.7	231.2	124.3	3.2
JV61504-2-15	1427	857961	10.9	0.13169	5.5	0.01868	2.0	0.36	119.3	2.3	125.6	6.5	246.8	119.1	119.3	2.3
standard	409	693845	5.0	0.74273	5.0	0.09108	2.3	0.45	561.9	12.2	564.0	21.8	572.3	98.1	561.9	12.2
JV61504-2-16	785	585236	10.6	1.46610	8.0	0.07779	7.9	0.99	482.9	36.7	916.5	48.2	2185.6	20.2	2185.6	20.2
JV61504-2-17	782	913937	2.7	0.69285	7.5	0.07768	7.0	0.94	482.3	32.7	534.5	31.1	764.1	52.5	482.3	32.7
JV61504-2-18	777	139160	8.5	0.12751	8.3	0.01837	2.4	0.28	117.4	2.7	121.9	9.5	210.3	184.5	117.4	2.7
standard	359	5806	5.2	0.72423	4.9	0.09232	1.7	0.36	569.3	9.5	553.2	20.7	487.4	99.9	569.3	9.5
JV61504-2-19	407	44835	1.8	0.14242	14.1	0.01953	3.2	0.22	124.7	3.9	135.2	17.9	323.8	313.4	124.7	3.9
JV61504-2-20	391	29305	1.6	0.15407	6.2	0.01911	2.5	0.40	122.0	3.0	145.5	8.4	547.3	123.2	122.0	3.0
JV61504-2-21	855	99681	9.3	0.13352	10.0	0.01826	2.2	0.22	116.6	2.6	127.3	11.9	330.3	220.7	116.6	2.6
standard	347	9403	4.7	0.74728	7.4	0.09177	5.3	0.71	566.0	28.8	566.6	32.3	569.2	113.4	566.0	28.8
JV61504-2-22	521	102246	1.7	0.14153	11.3	0.01829	2.6	0.23	116.8	3.0	134.4	14.2	457.5	244.5	116.8	3.0
JV61504-2-23	1196	81636	10.3	0.12958	5.9	0.01874	3.6	0.62	119.7	4.3	123.7	6.9	201.6	108.3	119.7	4.3
JV61504-2-24	667	59609	1.1	0.13542	8.5	0.01827	3.2	0.38	116.7	3.7	129.0	10.3	361.1	177.9	116.7	3.7
standard	339	395294	5.0	0.76601	3.6	0.09135	3.0	0.82	563.5	16.0	577.5	16.0	632.6	45.0	563.5	16.0
JV61504-2-25	523	41932	1.1	0.13584	10.5	0.01917	2.1	0.20	122.4	2.6	129.3	12.7	258.4	236.7	122.4	2.6
JV61504-2-26	499	206824	3.0	0.34458	9.1	0.04291	7.0	0.77	270.9	18.5	300.6	23.6	538.6	126.8	270.9	18.5
JV61504-2-27	1186	102448	10.9	0.13309	6.3	0.01845	2.1	0.33	117.9	2.4	126.9	7.6	299.1	136.6	117.9	2.4
JV61504-2-28	282	10198	1.3	0.17048	22.3	0.01843	3.5	0.16	117.7	4.1	159.8	33.0	840.7	463.6	117.7	4.1
JV61504-2-30	271	10381	5.0	0.18712	12.2	0.02518	4.9	0.40	160.3	7.7	174.2	19.5	366.4	251.7	160.3	7.7
standard	153	38061	4.8	0.68459	9.7	0.08841	6.8	0.70	546.1	35.5	529.5	40.1	458.7	154.8	546.1	35.5
JV61504-2-32	819	18120	12.9	0.13589	5.7	0.01927	2.3	0.40	123.0	2.8	129.4	6.9	248.0	120.9	123.0	2.8
JV61504-2-33	679	10637	10.7	0.14771	10.9	0.02101	6.1	0.55	134.0	8.0	139.9	14.3	240.8	210.4	134.0	8.0
standard	304	40000	5.4	0.76137	4.6	0.09145	2.4	0.52	564.1	12.8	574.8	20.0	617.3	84.0	564.1	12.8

Sample JV61504-3

standard	978	43322	5.2	0.73704	1.4	0.09156	1	0.71	564.7	5.4	560.7	6.1	544.2	22.0	564.7	5.4
standard	720	29402	4.6	0.70541	2.4	0.08871	1.6	0.68	547.9	8.6	542.0	10.1	517.3	38.3	547.9	8.6
standard	976	39750	5.2	0.74243	1.5	0.09149	1.1	0.75	564.4	6.1	563.8	6.5	561.6	21.8	564.4	6.1
standard	950	46552	5.0	0.72863	2.5	0.09082	1.7	0.70	560.4	9.3	555.7	10.6	536.7	38.8	560.4	9.3
JV61504-3-01	1676	5234	3.8	0.14766	6.3	0.01964	3.1	0.49	125.4	3.8	139.8	8.3	392.5	124.0	125.4	3.8
JV61504-3-02	867	9193	1.5	0.17976	6.2	0.02585	2.5	0.40	164.5	4.0	167.9	9.6	214.9	132.6	164.5	4.0
JV61504-3-03	367	6778	3.0	0.29715	10.4	0.03832	6.5	0.62	242.4	15.4	264.2	24.2	461.9	181.1	242.4	15.4
standard	914	36500	5.0	0.71542	2.0	0.08900	1.2	0.57	549.6	6.1	548.0	8.6	541.0	36.8	549.6	6.1
JV61504-3-05	300	12824	1.1	0.72903	5.1	0.08858	2.5	0.50	547.2	13.3	556.0	21.7	592.3	95.0	547.2	13.3
standard	394	48553	4.5	0.76895	3.6	0.09360	2.2	0.60	576.8	11.9	579.2	15.9	588.3	62.8	576.8	11.9
standard	455	39466	4.7	0.75783	2.2	0.09250	1.0	0.45	570.3	5.5	572.8	9.8	582.5	43.5	570.3	5.5
JV61504-3-06	697	12261	12.4	0.14644	5.4	0.02118	1.4	0.27	135.1	1.9	138.8	7.0	201.6	121.1	135.1	1.9
standard	472	40417	4.7	0.76236	2.9	0.09348	1.0	0.35	576.1	5.7	575.4	12.9	572.5	59.9	576.1	5.7
JV61504-3-10	701	17716	11.5	0.15701	9.0	0.02268	6.5	0.72	144.6	9.3	148.1	12.4	204.3	144.4	144.6	9.3
JV61504-3-11	322	6235	5.5	0.18680	16.3	0.02246	2.4	0.15	143.2	3.4	173.9	26.1	615.1	350.8	143.2	3.4
JV61504-3-12	638	8223	9.2	0.15482	9.9	0.02111	2.8	0.29	134.7	3.8	146.2	13.5	337.2	216.4	134.7	3.8
JV61504-3-13	650	8933	7.3	0.14548	8.3	0.02005	3.1	0.38	128.0	4.0	137.9	10.7	312.8	175.6	128.0	4.0
standard	451	36386	4.7	0.75356	2.8	0.09061	2.0	0.71	559.1	10.8	570.3	12.3	615.0	42.6	559.1	10.8
JV61504-3-15	837	14393	11.7	0.14197	6.2	0.02021	2.6	0.41	129.0	3.3	134.8	7.9	238.0	130.8	129.0	3.3
JV61504-3-16	586	12338	10.5	0.16189	8.6	0.02159	1.7	0.20	137.7	2.3	152.4	12.2	386.9	189.5	137.7	2.3
JV61504-3-17	606	12631	9.8	0.15773	10.3	0.02151	2.5	0.24	137.2	3.4	148.7	14.3	336.2	227.9	137.2	3.4
standard	388	37789	4.3	0.70491	3.7	0.08919	1.9	0.51	550.8	9.9	541.7	15.4	503.8	69.4	550.8	9.9
JV61504-3-18	597	12187	11.8	0.15894	8.1	0.02205	4.0	0.50	140.6	5.6	149.8	11.3	297.4	161.0	140.6	5.6
JV61504-3-19	655	11532	12.1	0.14217	10.0	0.02024	2.4	0.24	129.2	3.0	135.0	12.6	238.5	224.5	129.2	3.0
JV61504-3-20	601	13521	10.4	0.15602	5.5	0.02183	2.7	0.49	139.2	3.7	147.2	7.6	277.7	110.2	139.2	3.7

JV61504-3-21	817	11490	10.7	0.15235	8.3	0.02060	4.4	0.53	131.5	5.7	144.0	11.1	355.5	159.0	131.5	5.7
standard	437	51073	4.6	0.72608	3.1	0.09122	1.4	0.44	562.7	7.4	554.3	13.4	519.5	61.7	562.7	7.4
JV61504-3-22	496	10756	9.5	0.15680	12.0	0.02155	3.5	0.29	137.4	4.8	147.9	16.5	319.4	261.9	137.4	4.8
JV61504-3-23	532	10193	11.7	0.16618	9.1	0.02079	3.9	0.43	132.6	5.2	156.1	13.1	529.1	179.3	132.6	5.2
JV61504-3-24	849	17307	14.4	0.13881	8.5	0.01909	2.4	0.29	121.9	2.9	132.0	10.5	317.7	184.6	121.9	2.9
JV61504-3-25	568	13318	11.7	0.14589	13.9	0.02042	3.4	0.25	130.3	4.4	138.3	17.9	277.7	308.6	130.3	4.4
JV61504-3-26	714	12241	8.8	0.15848	8.5	0.02090	3.3	0.38	133.4	4.3	149.4	11.8	411.6	176.4	133.4	4.3
JV61504-3-27	878	14728	13.0	0.14737	6.0	0.02058	2.7	0.45	131.3	3.5	139.6	7.8	282.3	122.3	131.3	3.5
JV61504-3-28	666	13800	10.0	0.14878	11.1	0.02097	4.1	0.37	133.8	5.5	140.8	14.6	261.2	237.0	133.8	5.5
JV61504-3-29	843	15484	11.9	0.14874	7.3	0.02069	4.4	0.60	132.0	5.7	140.8	9.7	291.3	134.8	132.0	5.7
standard	326	29125	4.4	0.78781	23.4	0.09293	23.2	0.99	572.8	127.3	589.9	105.3	656.3	69.8	572.8	127.3

Sample JV61504-4

JV61504-4-01	410	28158	11.8	0.14840	33.4	0.02117	5.0	0.15	135.0	6.6	140.5	43.8	233.9	780.9	135.0	6.6
JV61504-4-02	584	123833	14.1	0.15468	15.3	0.02056	4.4	0.29	131.2	5.7	146.0	20.8	394.3	329.7	131.2	5.7
JV61504-4-03	604	78917	7.1	0.18567	16.0	0.02010	2.9	0.18	128.3	3.7	172.9	25.4	837.1	329.4	128.3	3.7
standard	286	165706	4.9	0.76382	9.3	0.09242	4.4	0.47	569.8	24.0	576.2	41.1	601.5	178.9	569.8	24.0
JV61504-4-04	331	38394	1.0	0.19073	23.6	0.02023	4.5	0.19	129.1	5.7	177.3	38.4	880.1	485.0	129.1	5.7
JV61504-4-05	441	27308	1.7	0.21040	23.1	0.02069	6.0	0.26	132.0	7.8	193.9	40.8	1034.2	457.1	132.0	7.8
JV61504-4-06	692	45289	8.0	0.14789	18.4	0.02017	3.3	0.18	128.7	4.1	140.0	24.1	336.3	413.4	128.7	4.1
standard	341	245678	5.0	0.74551	6.6	0.09101	2.3	0.35	561.5	12.2	565.6	28.6	582.2	134.5	561.5	12.2
JV61504-4-07	454	62747	3.9	0.17923	20.0	0.02147	4.4	0.22	136.9	6.0	167.4	30.8	623.4	423.6	136.9	6.0
JV61504-4-08	523	43884	10.0	0.17310	16.6	0.02179	3.0	0.18	138.9	4.2	162.1	24.9	515.4	360.5	138.9	4.2
JV61504-4-09	532	94751	10.2	0.15202	7.7	0.02087	3.8	0.49	133.1	5.0	143.7	10.3	321.9	151.9	133.1	5.0
standard	300	8102	5.0	0.70864	12.2	0.09255	7.8	0.64	570.6	42.5	543.9	51.4	433.8	209.0	570.6	42.5
JV61504-4-10	350	68682	4.7	0.38789	12.4	0.03543	8.6	0.69	224.4	18.9	332.8	35.3	1182.3	178.0	224.4	18.9
JV61504-4-11	674	12354	8.1	0.16014	12.5	0.02001	2.2	0.17	127.7	2.7	150.8	17.5	531.2	270.7	127.7	2.7
JV61504-4-12	545	54054	8.6	0.16089	13.3	0.02057	3.6	0.27	131.2	4.7	151.5	18.7	481.1	283.0	131.2	4.7
standard	388	190056	4.7	0.73410	5.3	0.09028	2.5	0.48	557.2	13.5	559.0	22.8	566.1	101.3	557.2	13.5
JV61504-4-13	764	17684	0.7	0.18990	11.3	0.01954	5.8	0.52	124.8	7.2	176.5	18.3	942.4	198.8	124.8	7.2
JV61504-4-14	609	65762	5.5	0.15699	10.6	0.02014	3.0	0.28	128.6	3.8	148.1	14.6	473.2	225.1	128.6	3.8
JV61504-4-15	278	4689	4.2	0.32002	11.6	0.03600	3.9	0.33	228.0	8.7	281.9	28.7	756.9	232.2	228.0	8.7
standard	398	95301	4.6	0.74234	5.2	0.09149	3.1	0.59	564.3	16.6	563.8	22.6	561.5	92.2	564.3	16.6
JV61504-4-16	352	13573	6.7	0.18903	18.5	0.02098	5.7	0.31	133.9	7.6	175.8	29.8	785.1	371.2	133.9	7.6
JV61504-4-17	324	26934	5.9	0.23227	25.2	0.02328	4.3	0.17	148.3	6.3	212.1	48.3	996.5	512.2	148.3	6.3
JV61504-4-18	385	2501	1.0	0.24800	12.5	0.02099	6.2	0.50	133.9	8.2	225.0	25.3	1331.4	210.8	133.9	8.2
standard	404	93956	5.0	0.77986	4.1	0.09089	1.7	0.41	560.8	9.0	585.4	18.1	682.0	79.1	560.8	9.0
JV61504-4-19	398	22666	5.4	0.19517	22.6	0.02895	3.2	0.14	184.0	5.7	181.0	37.5	142.7	531.7	184.0	5.7
JV61504-4-20	274	6139	1.7	0.26299	18.8	0.02235	6.8	0.36	142.5	9.6	237.1	39.8	1323.2	342.8	142.5	9.6
JV61504-4-21	454	14475	4.0	0.18141	13.7	0.02110	6.2	0.45	134.6	8.2	169.3	21.3	686.8	260.6	134.6	8.2
standard	378	18404	4.8	0.67413	3.8	0.08974	1.3	0.35	554.0	7.2	523.2	15.7	391.1	80.7	554.0	7.2
JV61504-4-22	55	5279	2.8	1.59688	13.7	0.12006	6.9	0.50	730.9	47.8	969.0	86.0	1556.9	223.8	1556.9	223.8
JV61504-4-23	405	15626	4.0	0.13076	23.9	0.02045	4.0	0.17	130.5	5.2	124.8	28.0	17.7	572.2	130.5	5.2
JV61504-4-24	140	41583	2.0	2.12309	6.1	0.17422	4.7	0.76	1035.3	44.5	1156.3	42.2	1390.8	75.9	1390.8	75.9
standard	285	34700	5.3	0.79375	6.4	0.09357	2.4	0.38	576.6	13.4	593.3	28.5	657.5	125.9	576.6	13.4
standard	279	23922	5.3	0.79572	7.7	0.09327	3.6	0.47	574.9	19.8	594.4	34.5	669.7	145.0	574.9	19.8
JV61504-4-25	430	20667	4.0	0.14317	11.7	0.02099	2.6	0.22	133.9	3.4	135.9	14.8	170.1	266.6	133.9	3.4
JV61504-4-26	631	10738	3.0	0.16986	16.3	0.02035	2.9	0.18	129.9	3.7	159.3	24.1	622.7	348.8	129.9	3.7
JV61504-4-27	398	34840	8.2	0.17115	15.4	0.02154	3.4	0.22	137.4	4.6	160.4	22.8	515.6	331.0	137.4	4.6
standard	388	78682	5.0	0.66350	5.7	0.09090	2.1	0.36	560.8	11.2	516.8	23.3	326.2	121.6	560.8	11.2
JV61504-4-28	568	10392	9.7	0.15234	15.8	0.02036	4.1	0.26	129.9	5.3	144.0	21.2	382.3	344.0	129.9	5.3
JV61504-4-29	297	17941	3.5	0.12993	31.4	0.02198	4.5	0.14	140.2	6.3	124.0	36.6	-174.9	790.2	140.2	6.3
JV61504-4-30	750	921	9.9	0.10222	31.7	0.01904	3.5	0.11	121.6	4.2	98.8	29.9	-421.7	843.3	121.6	4.2
standard	392	46327	4.9	0.74987	4.1	0.09050	1.4	0.33	558.5	7.3	568.1	17.9	606.9	84.1	558.5	7.3

Sample JV62204-1

JV62204-1-01	258	31892	12.7	0.17029	18.8	0.02239	2.7	0.14	142.7	3.8	159.7	27.8	419.0	418.6	142.7	3.8
JV62204-1-02	222	35015	4.3	0.50668	6.4	0.06495	2.6	0.40	405.6	10.1	416.2	21.9	475.2	130.1	405.6	10.1
JV62204-1-03	187	23943	7.3	1.39949	6.7	0.06715	5.3	0.79	419.0	21.5	888.7	39.7	2359.1	69.8	2359.1	69.8
standard	416	76686	4.5	0.74589	3.1	0.09170	1.7	0.53	565.6	9.0	565.8	13.5	566.9	57.2	565.6	9.0
JV62204-1-04	316	23386	6.2	0.18882	9.8	0.02159	4.2	0.43	137.7	5.7	175.6	15.9	723.0	189.0	137.7	5.7
JV62204-1-05	389	235427	3.7	1.69734	3.2	0.16424	2.8	0.86	980.3	25.4	1007.5	20.6	1067.2	32.8	1067.2	32.8

JV62204-1-06	295	33447	1.7	0.17084	19.2	0.02137	2.7	0.14	136.3	3.6	160.1	28.5	529.1	420.5	136.3	3.6
standard	468	156182	4.3	0.74249	4.1	0.09051	2.5	0.62	558.6	13.6	563.9	17.6	585.2	69.3	558.6	13.6
JV62204-1-07	217	54230	3.0	0.19393	24.5	0.02049	4.4	0.18	130.7	5.6	180.0	40.4	888.3	504.3	130.7	5.6
JV62204-1-08	75	84239	1.0	1.74191	8.3	0.16103	6.9	0.82	962.5	61.4	1024.2	53.9	1158.4	94.3	1158.4	94.3
JV62204-1-09	338	50167	4.4	0.18143	13.2	0.02206	3.1	0.23	140.7	4.3	169.3	20.7	590.4	280.4	140.7	4.3
standard	435	19068	4.6	0.74602	3.3	0.09255	1.3	0.38	570.6	6.9	565.9	14.5	547.2	67.3	570.6	6.9
JV62204-1-10	263	42840	7.8	0.14370	23.6	0.02027	4.6	0.20	129.3	5.9	136.3	30.1	259.9	538.4	129.3	5.9
JV62204-1-11	350	51474	9.8	0.14557	15.8	0.02080	3.4	0.22	132.7	4.5	138.0	20.3	229.4	356.9	132.7	4.5
JV62204-1-12	59	7827	2.2	0.57258	142.9	0.03478	6.4	0.05	220.4	14.0	459.7	585.4	1947.0	78.4	1947.0	78.4
standard	424	147070	5.2	0.73853	4.2	0.09109	2.1	0.51	562.0	11.6	561.5	18.0	559.8	78.1	562.0	11.6
JV62204-1-13	386	103989	6.9	0.19390	10.8	0.02437	3.5	0.32	155.2	5.3	179.9	17.9	518.9	225.7	155.2	5.3
JV62204-1-14	402	43392	3.4	0.18310	10.1	0.02227	2.5	0.24	142.0	3.5	170.7	15.9	590.1	213.9	142.0	3.5
JV62204-1-15	274	254642	3.6	3.79702	4.3	0.25536	4.1	0.97	1466.1	54.2	1592.1	34.2	1763.2	18.3	1763.2	18.3
JV62204-1-16	243	39045	1.2	0.37079	10.4	0.04978	3.4	0.33	313.2	10.5	320.2	28.6	372.1	221.6	313.2	10.5
JV62204-1-17	249	43608	7.4	0.17806	17.9	0.02315	5.3	0.30	147.5	7.8	166.4	27.5	443.5	383.5	147.5	7.8
JV62204-1-18	213	8372	1.0	0.15506	22.8	0.02443	4.1	0.18	155.6	6.3	146.4	31.1	-1.1	546.1	155.6	6.3
standard	406	18425	4.8	0.74106	3.9	0.09130	2.3	0.58	563.2	12.3	563.0	17.1	562.1	70.4	563.2	12.3
JV62204-1-19	237	33614	3.7	0.16548	28.0	0.02255	3.1	0.11	143.8	4.4	155.5	40.4	337.8	641.1	143.8	4.4
JV62204-1-22	608	52818	10.4	0.20097	11.2	0.02573	9.5	0.84	163.8	15.3	185.9	19.1	477.5	133.2	163.8	15.3
JV62204-1-24	342	127910	7.8	1.45308	6.2	0.12438	6.0	0.97	755.8	42.7	911.1	37.3	1309.3	30.9	1309.3	30.9
standard	419	15812	4.7	0.73885	4.4	0.09065	1.7	0.38	559.4	9.1	561.7	19.0	571.3	88.3	559.4	9.1
standard	469	104448	4.7	0.74758	3.1	0.09091	1.0	0.32	560.9	5.4	566.8	13.5	590.5	63.9	560.9	5.4
JV62204-1-25	472	25238	2.5	0.33508	5.6	0.04470	3.6	0.65	281.9	10.1	293.4	14.2	386.1	95.0	281.9	10.1
JV62204-1-26	459	7924	9.0	0.16944	11.4	0.02120	7.4	0.65	135.3	10.0	158.9	16.8	528.1	189.2	135.3	10.0
JV62204-1-27	554	31952	12.6	0.16607	10.5	0.02068	3.0	0.28	132.0	3.9	156.0	15.2	538.8	220.7	132.0	3.9
standard	213	161699	4.6	0.74041	6.5	0.09279	3.9	0.60	572.0	21.3	562.6	28.0	524.9	113.7	572.0	21.3
JV62204-1-28	471	12475	6.6	0.16482	11.8	0.02056	2.7	0.23	131.2	3.5	154.9	16.9	534.8	251.2	131.2	3.5
JV62204-1-29	827	2106	11.2	0.12381	14.8	0.01892	3.3	0.22	120.8	3.9	118.5	16.6	72.3	345.4	120.8	3.9
JV62204-1-30	501	4476	5.4	0.13318	13.2	0.02179	3.4	0.26	138.9	4.7	126.9	15.8	-92.2	314.3	138.9	4.7
standard	359	45532	5.1	0.76060	3.2	0.09163	1.6	0.51	565.2	8.9	574.4	14.0	610.8	59.1	565.2	8.9
JV62204-1-31	553	30323	6.3	0.15390	10.4	0.02005	4.4	0.42	128.0	5.6	145.3	14.2	438.6	211.2	128.0	5.6
JV62204-1-32	302	1433	8.1	0.11986	24.9	0.02100	4.2	0.17	134.0	5.6	114.9	27.1	-263.4	630.6	134.0	5.6
JV62204-1-33	290	449	7.1	0.08488	53.6	0.02044	5.5	0.10	130.4	7.1	82.7	42.6	-1147.0	1735.3	130.4	7.1
standard	457	145267	4.6	0.73885	3.4	0.09129	2.2	0.64	563.2	11.8	561.7	14.9	555.8	58.1	563.2	11.8
JV62204-1-34	345	12233	1.4	0.17879	14.8	0.02041	2.9	0.19	130.2	3.7	167.0	22.7	726.4	308.7	130.2	3.7
JV62204-1-35	324	8380	6.0	0.68122	10.8	0.05280	6.7	0.62	331.7	21.7	527.5	44.3	1499.3	159.5	331.7	21.7
JV62204-1-36	526	8013	8.6	0.16510	8.8	0.02157	3.8	0.44	137.6	5.2	155.2	12.7	433.1	176.4	137.6	5.2
standard	314	79559	4.3	0.75553	4.8	0.09309	3.3	0.67	573.8	17.9	571.4	21.1	562.2	77.6	573.8	17.9
standard	333	2149	4.5	0.71911	10.5	0.09077	1.7	0.17	560.1	9.3	550.1	44.7	509.2	228.4	560.1	9.3

Sample JV62204-2

JV62204-2-01	346	8816	2.1	0.16976	18.1	0.02233	6.2	0.34	142.4	8.8	159.2	26.6	417.4	381.1	142.4	8.8
JV62204-2-03	910	15764	2.9	0.15155	9.3	0.02227	5.7	0.61	142.0	8.0	143.3	12.5	164.6	172.8	142.0	8.0
JV62204-2-04	696	13877	1.3	0.15782	8.2	0.02121	3.5	0.42	135.3	4.6	148.8	11.4	369.2	168.2	135.3	4.6
standard	341	33479	4.6	0.78576	8.8	0.09409	3.6	0.40	579.7	19.7	588.8	39.4	623.9	174.3	579.7	19.7
JV62204-2-05	645	6842	3.6	0.16964	12.5	0.02104	2.5	0.20	134.2	3.3	159.1	18.4	547.7	268.5	134.2	3.3
JV62204-2-06	791	16430	5.2	0.15189	5.1	0.02145	2.3	0.45	136.8	3.1	143.6	6.9	256.7	105.3	136.8	3.1
JV62204-2-07	534	7935	2.3	0.16394	6.7	0.02273	3.5	0.53	144.9	5.1	154.1	9.6	298.7	129.6	144.9	5.1
JV62204-2-08	645	12565	7.6	0.14853	6.9	0.02050	3.5	0.50	130.8	4.5	140.6	9.0	309.9	135.1	130.8	4.5
standard	317	37838	4.3	0.71484	5.6	0.08824	3.4	0.61	545.1	17.9	547.6	23.7	558.0	96.7	545.1	17.9
standard	415	38185	4.3	0.73642	4.2	0.09166	1.3	0.31	565.4	7.1	560.3	18.0	539.8	86.9	565.4	7.1
JV62204-2-09	324	5327	2.9	0.19454	9.9	0.02213	1.8	0.19	141.1	2.6	180.5	16.4	733.8	207.1	141.1	2.6
JV62204-2-10	230	4183	3.0	0.18356	12.6	0.02152	2.7	0.21	137.2	3.6	171.1	19.8	669.8	264.5	137.2	3.6
JV62204-2-11	1405	964	3.4	0.24836	18.5	0.02271	8.2	0.44	144.8	11.7	225.2	37.3	1180.1	329.4	144.8	11.7
JV62204-2-12	828	19045	3.4	0.15740	8.2	0.02445	4.2	0.51	155.7	6.4	148.4	11.3	33.4	169.5	155.7	6.4
standard	461	45144	4.8	0.75125	2.0	0.09265	1.4	0.72	571.2	7.8	568.9	8.5	560.0	29.5	571.2	7.8
JV62204-2-13	353	5544	2.7	0.18997	15.1	0.02397	6.6	0.44	152.7	9.9	176.6	24.5	510.4	299.5	152.7	9.9
JV62204-2-14	399	6196	2.9	0.17134	9.9	0.02227	3.7	0.38	142.0	5.2	160.6	14.7	444.6	204.8	142.0	5.2
JV62204-2-16	780	4880	3.5	0.16460	13.1	0.02064	4.9	0.37	131.7	6.3	154.7	18.8	523.2	266.9	131.7	6.3
standard	489	40131	4.9	0.74591	1.8	0.09181	1.3	0.75	566.3	7.2	565.8	7.8	564.2	25.9	566.3	7.2
JV62204-2-17	477	5934	2.9	0.16692	11.0	0.02225	4.1	0.37	141.9	5.8	156.7	15.9	387.7	229.0	141.9	5.8
JV62204-2-18	563	803	3.5	0.29335	22.6	0.02513	8.7	0.39	160.0	13.8	261.2	52.0	1308.2	408.6	160.0	13.8

JV62204-2-19	450	7163	2.7	0.17405	14.5	0.02290	9.7	0.67	146.0	14.0	162.9	21.8	417.2	241.3	146.0	14.0
standard	464	70984	4.7	0.73500	2.6	0.09083	1.4	0.55	560.5	7.7	559.5	11.3	555.5	47.8	560.5	7.7
standard	466	37474	4.8	0.73042	2.8	0.09254	1.0	0.35	570.5	5.5	556.8	12.2	501.1	58.4	570.5	5.5
JV62204-2-25	489	4294	2.2	0.16753	16.8	0.02156	2.9	0.17	137.5	3.9	157.3	24.4	466.5	368.4	137.5	3.9
JV62204-2-26	243	3708	2.3	0.18815	23.0	0.02221	3.9	0.17	141.6	5.5	175.0	37.0	654.9	491.6	141.6	5.5
JV62204-2-27	752	2139	4.9	0.22163	22.8	0.02350	4.6	0.20	149.7	6.9	203.3	42.0	880.7	466.7	149.7	6.9
JV62204-2-28	497	10264	2.9	0.17228	12.0	0.02168	4.1	0.34	138.3	5.6	161.4	18.0	516.1	249.4	138.3	5.6
standard	342	43431	4.5	0.74946	6.8	0.09035	2.9	0.43	557.6	15.5	567.9	29.6	609.3	133.1	557.6	15.5
JV62204-2-30	877	1206	3.7	0.22958	8.0	0.02243	4.6	0.58	143.0	6.5	209.8	15.1	1047.8	131.3	143.0	6.5
JV62204-2-31	761	2935	2.6	0.18481	11.0	0.02133	3.5	0.32	136.1	4.7	172.2	17.4	702.8	221.7	136.1	4.7
JV62204-2-32	480	10001	3.7	0.15974	9.8	0.02286	3.3	0.34	145.7	4.8	150.5	13.7	226.6	213.2	145.7	4.8
standard	370	28618	4.3	0.75578	4.6	0.09146	3.6	0.79	564.2	19.6	571.6	20.0	601.0	60.0	564.2	19.6
standard	456	38503	4.7	0.73141	2.9	0.09130	2.7	0.93	563.2	14.7	557.4	12.6	533.6	24.4	563.2	14.7

Sample JV61204-1

standard	511	29384	4.8	0.7412	2.6	0.0922	1.6	0.63	568.5	8.9	563.1	11.2	541.2	44.2	568.5	8.9
standard	515	26228	4.1	0.7548	2.3	0.0918	1.4	0.63	566.3	7.8	571.0	10.0	590.0	38.7	566.3	7.8
standard	564	33378	3.8	0.7493	2.9	0.0922	1.5	0.52	568.4	8.2	567.8	12.5	565.5	53.2	568.4	8.2
standard	475	34694	5.2	0.7529	2.7	0.0919	2.0	0.76	566.5	11.0	569.9	11.7	583.5	38.0	566.5	11.0
standard	478	29166	4.8	0.7181	3.2	0.0891	1.4	0.44	550.1	7.4	549.6	13.5	547.3	62.3	550.1	7.4
JV61204-1-01C	248	2166	1.2	0.0804	16.6	0.0125	2.2	0.13	79.9	1.7	78.5	12.6	35.2	397.4	79.9	1.7
JV61204-1-01R	422	4012	2.2	0.0872	8.9	0.0119	2.2	0.25	76.3	1.7	84.9	7.3	332.9	195.9	76.3	1.7
JV61204-1-02C	344	2476	1.4	0.0890	16.3	0.0125	1.6	0.10	80.3	1.3	86.6	13.5	263.3	374.0	80.3	1.3
JV61204-1-03	164	1536	2.1	0.0762	194.8	0.0132	2.2	0.01	84.6	1.8	74.6	140.9	-235.8	2266.5	84.6	1.8
JV61204-1-04	530	3844	1.7	0.0742	12.6	0.0123	1.6	0.13	78.9	1.3	72.7	8.8	-127.0	308.6	78.9	1.3
standard	595	31250	4.9	0.7481	2.5	0.0917	1.7	0.68	565.4	9.4	567.1	11.0	573.8	40.3	565.4	9.4
JV61204-1-05	483	3854	2.4	0.0799	8.0	0.0120	1.1	0.14	77.2	0.8	78.0	6.0	105.1	188.5	77.2	0.8
JV61204-1-06	1491	9424	1.9	0.0842	3.2	0.0125	1.7	0.52	80.3	1.3	82.1	2.5	136.2	63.6	80.3	1.3
JV61204-1-07	342	2122	1.1	0.0804	15.4	0.0130	0.8	0.05	83.2	0.7	78.6	11.6	-60.0	376.2	83.2	0.7
JV61204-1-08	551	3524	1.0	0.0842	8.0	0.0130	1.5	0.19	83.3	1.3	82.1	6.3	46.6	188.5	83.3	1.3
JV61204-1-09	597	4574	1.9	0.0905	7.2	0.0127	2.1	0.29	81.3	1.7	88.0	6.1	274.3	158.0	81.3	1.7
standard	554	34510	3.9	0.7356	4.4	0.0914	2.5	0.56	564.0	13.3	559.8	18.8	542.9	79.0	564.0	13.3
JV61204-1-10	518	3342	0.9	0.0760	13.5	0.0123	4.8	0.35	78.9	3.7	74.3	9.7	-71.3	309.1	78.9	3.7
JV61204-1-11	708	3586	0.7	0.0945	5.2	0.0130	1.8	0.35	83.2	1.5	91.7	4.5	317.9	110.4	83.2	1.5
JV61204-1-12	280	2204	0.9	0.0823	15.3	0.0122	6.6	0.43	78.3	5.2	80.3	11.8	140.6	325.8	78.3	5.2
JV61204-1-13	274	1670	1.0	0.0783	14.0	0.0118	4.3	0.31	75.5	3.3	76.6	10.3	110.6	316.2	75.5	3.3
JV61204-1-14	384	2798	1.7	0.0927	7.9	0.0125	2.5	0.32	79.9	2.0	90.0	6.8	366.2	168.0	79.9	2.0
standard	461	24128	5.5	0.7468	2.6	0.0925	1.4	0.53	570.4	7.4	566.3	11.1	550.0	47.3	570.4	7.4
JV61204-1-15	476	3020	1.7	0.0952	9.3	0.0131	1.0	0.11	84.1	0.9	92.3	8.2	309.8	211.2	84.1	0.9
JV61204-1-16	430	2384	1.7	0.0795	15.1	0.0124	1.7	0.11	79.5	1.3	77.6	11.3	19.9	362.0	79.5	1.3
JV61204-1-17	407	2228	1.1	0.0852	19.9	0.0125	5.5	0.27	80.2	4.4	83.1	15.9	165.4	450.1	80.2	4.4
JV61204-1-18	204	1394	1.2	0.0789	21.4	0.0126	2.5	0.12	80.9	2.0	77.1	15.9	-37.4	521.8	80.9	2.0
JV61204-1-19	297	2592	1.8	0.0976	11.9	0.0123	4.6	0.39	78.8	3.6	94.6	10.7	513.1	241.1	78.8	3.6
standard	482	27314	4.7	0.7472	4.1	0.0904	1.2	0.29	558.0	6.4	566.6	17.9	601.2	85.4	558.0	6.4
JV61204-1-20	596	4298	2.3	0.0810	9.0	0.0125	1.5	0.16	80.3	1.2	79.1	6.8	41.5	212.3	80.3	1.2
JV61204-1-21	416	3702	1.8	0.0790	16.5	0.0124	2.8	0.17	79.4	2.2	77.2	12.2	10.6	392.7	79.4	2.2
JV61204-1-22	632	3608	1.9	0.0905	6.9	0.0132	0.9	0.14	84.5	0.8	88.0	5.8	184.0	158.5	84.5	0.8
JV61204-1-23	303	2648	2.1	0.0899	14.8	0.0130	2.5	0.17	83.1	2.0	87.4	12.4	207.7	340.6	83.1	2.0
JV61204-1-24	430	2810	1.8	0.0933	11.0	0.0127	1.2	0.11	81.6	0.9	90.5	9.5	332.7	248.8	81.6	0.9
standard	518	30034	4.3	0.7396	3.4	0.0921	1.6	0.47	568.0	8.9	562.2	14.8	538.6	66.1	568.0	8.9
standard	545	33986	3.5	0.7412	2.9	0.0908	1.0	0.34	560.1	5.3	563.1	12.4	575.2	58.6	560.1	5.3

Sample JV62004-1

standard	535	27873	4.4	0.74247	2.3	0.09112	1.0	0.44	562.2	5.4	563.8	9.9	570.6	44.9	562.2	5.4
standard	568	48257	4.6	0.73075	2.4	0.09012	1.2	0.50	556.2	6.4	557.0	10.3	560.1	45.6	556.2	6.4
standard	506	36662	3.6	0.75221	2.9	0.09106	1.0	0.35	561.8	5.4	569.5	12.4	600.2	57.9	561.8	5.4
standard	518	42672	4.5	0.73789	2.8	0.09095	1.1	0.40	561.1	6.1	561.2	12.1	561.3	56.1	561.1	6.1
standard	493	40812	4.4	0.74835	3.3	0.09335	1.2	0.36	575.3	6.4	567.3	14.2	535.0	66.6	575.3	6.4
JV62004-1-01	373	1611	2.2	0.16683	15.4	0.01838	4.1	0.27	117.4	4.8	156.7	22.4	800.4	313.3	117.4	4.8
JV62004-1-02	310	2528	1.3	0.15963	11.6	0.01816	4.2	0.36	116.0	4.9	150.4	16.2	733.1	229.2	116.0	4.9
JV62004-1-04	308	1536	2.8	0.25540	25.9	0.02154	6.9	0.27	137.4	9.4	231.0	53.6	1338.4	490.6	137.4	9.4
standard	492	49018	4.6	0.74326	2.8	0.09236	1.5	0.56	569.5	8.4	564.3	11.9	543.6	49.9	569.5	8.4

JV62004-1-05	293	617	1.7	0.29817	24.5	0.02135	7.4	0.30	136.2	10.0	265.0	57.3	1647.5	439.9	136.2	10.0
JV62004-1-06	1034	3537	1.1	0.15573	21.0	0.01693	3.9	0.19	108.2	4.2	147.0	28.8	829.2	435.0	108.2	4.2
standard	479	39996	3.7	0.73704	3.3	0.09071	1.0	0.30	559.7	5.4	560.7	14.3	564.5	69.1	559.7	5.4
JV62004-1-09	329	1467	1.8	0.12239	20.3	0.01250	3.2	0.16	80.1	2.6	117.2	22.4	957.5	412.8	80.1	2.6
JV62004-1-10	250	1476	2.0	0.23901	25.7	0.02112	4.6	0.18	134.8	6.2	217.6	50.3	1246.9	502.0	134.8	6.2
JV62004-1-12	402	4177	1.0	0.13878	13.9	0.01817	5.3	0.38	116.1	6.1	132.0	17.2	428.1	288.7	116.1	6.1
standard	509	35984	4.5	0.73477	2.6	0.09001	1.6	0.64	555.6	8.7	559.3	11.0	574.6	42.9	555.6	8.7
JV62004-1-13	133	1859	2.1	0.20071	33.2	0.01980	5.5	0.17	126.4	6.9	185.7	56.3	1028.1	679.2	126.4	6.9
JV62004-1-14	152	2316	2.0	0.13071	35.0	0.01863	3.8	0.11	119.0	4.5	124.7	41.1	236.2	826.0	119.0	4.5
JV62004-1-15	309	3744	1.1	0.15108	16.6	0.01827	5.3	0.32	116.7	6.1	142.9	22.1	602.6	341.6	116.7	6.1
JV62004-1-16	276	2141	0.5	0.13001	28.0	0.01562	5.5	0.20	99.9	5.5	124.1	32.7	616.7	603.0	99.9	5.5
standard	488	40675	4.4	0.75859	3.0	0.09325	1.6	0.53	574.7	8.8	573.2	13.1	567.2	55.1	574.7	8.8
JV62004-1-18	227	2089	1.7	0.16384	17.4	0.01909	5.1	0.29	121.9	6.2	154.1	24.9	682.1	358.5	121.9	6.2
JV62004-1-19	277	449	1.6	0.39423	35.6	0.02275	10.0	0.28	145.0	14.4	337.5	102.5	2038.3	623.6	2038.3	623.6
JV62004-1-20	290	3701	1.5	0.14036	25.3	0.01906	2.5	0.10	121.7	3.0	133.4	31.6	346.6	577.4	121.7	3.0
standard	469	40216	4.6	0.75341	2.7	0.09273	1.3	0.48	571.6	7.2	570.2	12.0	564.4	52.5	571.6	7.2
JV62004-1-23	1137	1226	0.4	0.17062	23.0	0.01689	4.2	0.18	108.0	4.5	160.0	34.1	1021.2	464.0	108.0	4.5
standard	461	53897	3.5	0.74778	3.4	0.09011	1.0	0.30	556.2	5.3	566.9	14.6	610.3	69.4	556.2	5.3
standard	505	35166	4.5	0.73135	3.0	0.09037	1.2	0.40	557.7	6.4	557.3	12.9	555.9	60.1	557.7	6.4

Sample JV70905-1

standard	521	80455	3.5	0.7287	2.5	0.0910	1.7	0.65	561.3	8.9	555.8	10.8	533.3	41.8	561.3	8.9
standard	506	95245	5.3	0.7486	2.2	0.0908	1.3	0.59	560.1	7.0	567.4	9.6	596.6	38.6	560.1	7.0
standard	528	92295	5.3	0.7403	2.6	0.0916	1.0	0.38	564.7	5.4	562.6	11.3	553.9	52.8	564.7	5.4
standard	512	100750	5.1	0.7590	2.6	0.0929	2.1	0.79	572.8	11.3	573.5	11.5	576.0	35.2	572.8	11.3
standard	520	81060	5.0	0.7442	3.8	0.0903	1.7	0.44	557.5	9.1	564.9	16.6	594.9	74.6	557.5	9.1
JV70905-1-01	315	11570	2.2	0.1645	9.6	0.0224	1.1	0.11	143.0	1.5	154.7	13.7	336.8	215.5	143.0	1.5
JV70905-1-02	438	11420	1.4	0.1479	4.7	0.0215	2.2	0.47	137.1	3.0	140.0	6.2	190.4	97.4	137.1	3.0
JV70905-1-03	470	16215	1.8	0.1607	7.3	0.0225	1.3	0.17	143.4	1.8	151.3	10.2	276.5	164.0	143.4	1.8
JV70905-1-04	314	7905	2.6	0.1410	16.6	0.0219	2.3	0.14	139.9	3.1	133.9	20.8	29.7	396.7	139.9	3.1
JV70905-1-05	135	7840	1.2	0.1721	16.2	0.0230	1.4	0.09	146.9	2.1	161.2	24.2	376.9	365.8	146.9	2.1
standard	522	130450	5.1	0.7362	2.8	0.0921	2.2	0.77	567.8	11.7	560.2	12.0	529.4	39.2	567.8	11.7
JV70905-1-06	175	11570	3.0	0.1712	11.9	0.0219	3.0	0.25	139.8	4.2	160.5	17.7	477.4	255.6	139.8	4.2
JV70905-1-07	592	18055	4.0	0.1550	5.9	0.0218	1.5	0.26	139.1	2.1	146.3	8.0	265.0	130.7	139.1	2.1
JV70905-1-08	300	8255	2.6	0.1496	13.4	0.0213	2.0	0.15	136.1	2.7	141.5	17.7	233.7	306.7	136.1	2.7
JV70905-1-09	452	12935	2.3	0.1468	8.9	0.0211	1.8	0.20	134.3	2.3	139.1	11.6	221.3	203.0	134.3	2.3
JV70905-1-10	571	20315	2.7	0.1509	4.7	0.0216	1.1	0.23	137.5	1.5	142.7	6.3	229.6	106.4	137.5	1.5
standard	524	91755	3.9	0.7387	3.3	0.0908	1.8	0.54	560.1	9.5	561.7	14.1	568.0	59.7	560.1	9.5
JV70905-1-11	243	5630	2.4	0.1773	7.8	0.0215	1.4	0.18	137.1	1.9	165.7	12.0	597.6	167.0	137.1	1.9
JV70905-1-12	363	8970	2.7	0.1495	7.3	0.0209	1.8	0.25	133.1	2.4	141.5	9.7	284.0	162.1	133.1	2.4
JV70905-1-13	415	12460	2.5	0.1516	5.8	0.0210	1.1	0.19	134.0	1.5	143.3	7.8	300.2	130.4	134.0	1.5
JV70905-1-14	125	6215	3.1	0.1901	16.5	0.0226	2.6	0.16	144.2	3.7	176.7	26.7	636.5	352.2	144.2	3.7
JV70905-1-15	577	17805	1.9	0.1472	5.2	0.0202	2.6	0.50	128.8	3.3	139.4	6.8	324.0	102.2	128.8	3.3
standard	529	83355	3.4	0.7415	2.3	0.0917	1.8	0.78	565.4	9.9	563.3	10.0	554.9	31.4	565.4	9.9
JV70905-1-16	146	6245	2.1	0.1681	27.0	0.0216	1.6	0.06	137.9	2.1	157.8	39.5	467.8	606.8	137.9	2.1
JV70905-1-17	362	14975	3.6	0.1549	10.8	0.0213	3.9	0.36	135.6	5.2	146.2	14.7	323.1	229.1	135.6	5.2
JV70905-1-18	236	7500	2.8	0.1583	20.2	0.0218	1.0	0.05	138.8	1.4	149.2	28.0	317.8	462.8	138.8	1.4
JV70905-1-19	453	16995	3.4	0.1513	5.1	0.0215	1.9	0.37	137.0	2.6	143.0	6.8	244.9	108.3	137.0	2.6
JV70905-1-20	271	6070	2.2	0.1669	10.4	0.0214	1.0	0.10	136.8	1.4	156.8	15.1	470.2	230.3	136.8	1.4
standard	496	91935	4.9	0.7558	1.9	0.0924	1.0	0.54	570.0	5.5	571.6	8.1	578.0	33.9	570.0	5.5
standard	517	73345	5.0	0.7352	2.7	0.0919	1.2	0.44	566.7	6.6	559.6	11.8	531.1	53.9	566.7	6.6
standard	510	82940	3.8	0.7391	2.5	0.0907	1.4	0.56	559.7	7.6	561.9	10.8	570.7	45.1	559.7	7.6
standard	515	95495	3.4	0.7473	2.0	0.0915	1.5	0.74	564.4	7.8	566.7	8.5	575.6	28.9	564.4	7.8
standard	534	85440	5.0	0.7418	2.6	0.0916	1.7	0.62	564.8	8.9	563.5	11.4	558.1	45.1	564.8	8.9

Sample JV63004-1

standard	518	36416	4.7	0.7452	2.4	0.0921	1.2	0.48	567.9	6.3	565.4	10.5	555.5	46.3	567.9	6.3
standard	514	27668	4.0	0.7395	3.1	0.0906	1.5	0.50	559.0	8.2	562.1	13.4	574.8	58.3	559.0	8.2
JV63004-1-01	642	12390	1.7	0.2986	3.5	0.0402	2.6	0.74	254.3	6.5	265.3	8.2	363.4	53.2	109.4	2.7
JV63004-1-02	538	5574	4.9	0.1304	6.8	0.0188	0.8	0.12	120.0	1.0	124.4	8.0	210.2	157.0	114.1	2.5
JV63004-1-03	117	22670	2.4	8.3832	3.0	0.3965	1.4	0.46	2152.8	25.6	2273.4	27.5	2383.6	45.8	114.2	3.3
JV63004-1-04	208	3210	2.1	0.1419	11.9	0.0189	3.0	0.25	120.9	3.5	134.7	15.0	387.1	260.2	114.2	1.6

JV63004-1-04R	345	4284	4.3	0.1334	13.5	0.0188	1.7	0.13	119.8	2.1	127.2	16.2	267.6	308.5	114.6	3.5
standard	523	35940	4.0	0.7257	4.2	0.0901	3.2	0.77	556.3	17.3	554.0	17.9	544.8	58.4	556.3	17.3
JV63004-1-05	311	4492	2.6	0.1291	9.2	0.0190	2.5	0.27	121.6	3.0	123.3	10.7	156.2	208.9	116.1	1.3
JV63004-1-06	449	5508	4.4	0.1311	8.6	0.0184	2.3	0.27	117.6	2.7	125.1	10.1	268.4	189.2	116.1	1.2
JV63004-1-07	505	6100	3.5	0.1245	6.2	0.0179	1.4	0.23	114.2	1.6	119.2	7.0	219.1	139.7	116.8	2.0
JV63004-1-08	637	9578	4.2	0.2983	4.9	0.0328	1.4	0.29	208.0	2.9	265.1	11.4	805.5	98.1	117.6	2.7
JV63004-1-09	461	4906	3.6	0.1286	7.5	0.0183	1.7	0.23	116.8	2.0	122.9	8.7	241.2	168.1	117.9	1.2
standard	499	25288	4.4	0.7464	2.8	0.0916	1.8	0.63	565.0	9.5	566.1	12.0	570.6	46.4	565.0	9.5
JV63004-1-10	494	6496	3.8	0.1410	5.2	0.0193	1.8	0.33	123.5	2.1	133.9	6.6	323.2	111.9	117.9	1.4
JV63004-1-11	367	4328	4.0	0.1247	6.1	0.0185	1.2	0.20	117.9	1.4	119.3	6.9	146.9	140.4	119.0	1.5
JV63004-1-12	469	6044	4.5	0.1137	8.3	0.0179	3.1	0.37	114.6	3.5	109.3	8.6	-4.1	186.9	119.8	2.1
JV63004-1-13	210	4246	2.8	0.2389	9.9	0.0331	1.1	0.12	210.2	2.4	217.5	19.3	297.5	224.4	120.0	1.0
JV63004-1-14	374	4616	1.7	0.2026	7.4	0.0269	3.1	0.41	171.4	5.2	187.3	12.6	393.0	150.4	120.9	3.5
standard	534	33890	5.2	0.7517	2.7	0.0924	1.0	0.36	569.7	5.4	569.2	11.8	567.2	55.2	569.7	5.4
JV63004-1-15	316	3062	4.0	0.1396	8.3	0.0185	1.0	0.12	117.9	1.2	132.7	10.3	406.7	185.1	121.6	3.0
JV63004-1-16	468	4626	4.2	0.1175	8.5	0.0182	1.1	0.13	116.1	1.2	112.8	9.1	43.4	203.0	123.5	2.1
JV63004-1-17	391	5470	3.8	0.1252	23.0	0.0182	1.1	0.05	116.1	1.3	119.8	25.9	193.3	539.3	131.0	2.2
JV63004-1-18	506	5456	3.9	0.1166	7.3	0.0179	2.2	0.30	114.1	2.5	112.0	7.8	65.6	167.0	171.4	5.2
JV63004-1-19	444	6172	5.5	0.1336	8.1	0.0205	1.7	0.21	131.0	2.2	127.3	9.7	58.1	189.8	208.0	2.9
standard	524	39036	4.4	0.7472	2.9	0.0916	2.1	0.73	564.9	11.4	566.6	12.5	573.3	42.7	564.9	11.4
JV63004-1-20	405	2648	3.2	0.1323	8.9	0.0186	1.2	0.14	119.0	1.5	126.2	10.5	263.3	202.2	210.2	2.4
JV63004-1-21	489	4974	3.2	0.1320	11.4	0.0179	2.9	0.25	114.2	3.3	125.9	13.5	352.2	250.0	215.1	5.7
JV63004-1-22	294	64950	1.8	8.7681	1.5	0.3639	0.5	0.34	2000.8	8.6	2314.2	13.4	2603.5	23.0	254.3	6.5
JV63004-1-23	418	3796	1.5	0.1165	9.2	0.0171	2.5	0.27	109.4	2.7	111.9	9.7	164.4	207.5	2383.6	45.8
JV63004-1-24	367	6990	2.6	0.2403	4.8	0.0339	2.7	0.56	215.1	5.7	218.7	9.5	256.8	91.4	2603.5	23.0
standard	515	26926	4.3	0.7468	2.9	0.0929	1.9	0.66	572.9	10.3	566.4	12.4	540.2	47.3	572.9	10.3
standard	516	27094	4.1	0.7241	2.2	0.0891	1.1	0.50	550.0	5.7	553.1	9.3	565.8	41.4	550.0	5.7

Sample DE-000-DZ

DE-000-1	79	1380	1.0	0.11703	16.8	0.02011	9.6	0.57	128.4	12.1	112.4	17.9	-214.3	349.7	128.4	12.1
DE-000-2	86	27299	0.5	11.22516	3.7	0.48555	2.2	0.59	2551.4	46.3	2542.0	34.6	2534.5	50.2	2534.5	50.2
DE-000-3	600	6396	2.5	0.12991	3.7	0.01921	2.7	0.72	122.7	3.2	124.0	4.3	150.0	60.8	122.7	3.2
DE-000-4	522	19894	1.1	1.74615	5.9	0.17022	5.4	0.92	1013.3	50.4	1025.7	37.8	1052.3	47.1	1052.3	47.1
DE-000-5	131	1530	0.7	0.09857	11.3	0.01450	4.2	0.38	92.8	3.9	95.5	10.3	161.8	244.3	92.8	3.9
standard	609	43186	3.7	0.72990	2.0	0.09068	1.5	0.74	559.6	7.9	556.5	8.5	543.8	29.1	559.6	7.9
DE-000-6	314	27823	1.4	1.18327	2.8	0.13068	1.5	0.53	791.7	11.2	792.8	15.6	795.9	50.6	791.7	11.2
DE-000-7	134	14231	0.6	1.56265	3.8	0.15734	2.8	0.74	942.0	24.8	955.5	23.6	986.8	51.8	942.0	24.8
DE-000-8	244	4533	1.6	0.12850	7.4	0.02006	3.7	0.50	128.0	4.7	122.8	8.6	21.9	154.1	128.0	4.7
DE-000-9	121	40300	1.5	10.38027	2.0	0.45545	1.3	0.65	2419.4	26.7	2469.3	19.0	2510.6	26.2	2510.6	26.2
DE-000-10	108	1505	1.4	0.14465	8.9	0.02024	5.2	0.59	129.2	6.7	137.2	11.4	278.2	164.4	129.2	6.7
standard	572	37912	3.3	0.75991	1.9	0.09314	1.6	0.84	574.1	8.6	574.0	8.2	573.5	21.8	574.1	8.6
DE-000-11	86	1603	1.0	0.11864	21.5	0.02016	6.3	0.29	128.6	8.0	113.8	23.2	-185.8	519.3	128.6	8.0
DE-000-12	215	33828	1.5	2.25006	2.7	0.20578	2.0	0.75	1206.3	22.5	1196.8	19.3	1179.7	36.2	1179.7	36.2
DE-000-13	217	3914	1.2	0.15410	9.6	0.02150	7.6	0.80	137.1	10.4	145.5	13.0	284.5	133.0	137.1	10.4
DE-000-14	105	1553	1.1	0.12493	16.2	0.01878	4.6	0.29	120.0	5.5	119.5	18.3	110.9	368.5	120.0	5.5
DE-000-15	93	1553	0.9	0.12236	12.1	0.01971	5.1	0.42	125.9	6.3	117.2	13.4	-54.8	267.4	125.9	6.3
standard	530	38211	2.7	0.74071	1.9	0.09084	1.3	0.68	560.5	6.9	562.8	8.2	572.1	30.2	560.5	6.9
DE-000-16	84	22194	0.3	11.02210	3.2	0.47808	2.1	0.65	2518.9	42.8	2525.0	29.5	2529.9	40.5	2529.9	40.5
DE-000-17	243	3979	0.7	0.15107	10.1	0.02199	7.2	0.71	140.2	9.9	142.9	13.5	187.4	165.8	140.2	9.9
DE-000-18	698	8328	0.6	0.57447	4.6	0.07047	2.5	0.55	439.0	10.7	460.9	16.9	571.6	83.0	439.0	10.7
DE-000-19	431	27745	7.7	0.77180	2.0	0.09410	1.1	0.56	579.7	6.1	580.8	8.7	585.0	35.3	579.7	6.1
DE-000-20	262	42723	1.9	3.90014	7.5	0.26845	6.0	0.81	1532.9	82.5	1613.7	60.3	1720.8	80.2	1720.8	80.2
standard	576	41533	2.7	0.71340	2.2	0.08772	1.0	0.45	542.0	5.2	546.8	9.5	566.5	43.8	542.0	5.2
DE-000-S21	207	1841	1.2	0.15906	10.3	0.02091	4.3	0.42	133.4	5.7	149.9	14.4	418.6	209.6	133.4	5.7
DE-000-S22	344	59877	3.8	4.06578	6.6	0.25937	5.8	0.89	1486.6	77.5	1647.5	53.6	1859.2	54.6	1859.2	54.6
DE-000-S23	209	2746	2.0	0.13134	4.8	0.01962	2.2	0.45	125.3	2.7	125.3	5.7	125.9	100.7	125.3	2.7
DE-000-S24	180	2336	0.8	0.13264	8.6	0.01986	5.5	0.64	126.8	6.9	126.5	10.3	120.5	156.5	126.8	6.9
standard	576	42075	3.3	0.74506	1.6	0.09219	1.0	0.61	568.5	5.4	565.4	7.1	552.8	28.2	568.5	5.4
DE-000-26	172	3574	0.9	0.15772	13.7	0.02150	7.8	0.57	137.1	10.5	148.7	19.0	337.6	256.6	137.1	10.5
DE-000-27	131	2363	0.9	0.11825	10.5	0.01880	3.8	0.36	120.1	4.6	113.5	11.3	-23.2	237.6	120.1	4.6
DE-000-28	81	1214	1.1	0.11209	11.5	0.01829	5.2	0.46	116.9	6.0	107.9	11.7	-86.0	250.4	116.9	6.0
DE-000-30	110	1713	0.9	0.13877	9.2	0.01890	5.1	0.55	120.7	6.1	131.9	11.3	339.1	173.2	120.7	6.1

standard	688	50210	3.8	0.74227	2.0	0.09165	1.3	0.67	565.3	7.2	563.7	8.5	557.5	31.9	565.3	7.2
DE-000-31	126	1609	1.3	0.12551	12.7	0.01953	6.2	0.49	124.7	7.6	120.1	14.4	29.4	267.1	124.7	7.6
DE-000-32	483	35334	2.1	2.10271	3.9	0.19666	3.2	0.81	1157.3	34.0	1149.7	27.1	1135.3	45.6	1135.3	45.6
DE-000-33	156	1566	0.5	0.11519	12.1	0.01616	5.5	0.46	103.4	5.7	110.7	12.7	271.3	247.6	103.4	5.7
DE-000-34	260	67760	1.2	10.49057	1.8	0.46952	1.3	0.76	2481.5	27.4	2479.1	16.3	2477.1	19.4	2477.1	19.4
DE-000-35	374	26854	5.2	1.00331	1.7	0.11457	1.1	0.67	699.2	7.5	705.5	8.7	725.5	26.9	699.2	7.5
standard	553	36780	3.9	0.74193	3.0	0.09118	1.2	0.40	562.5	6.5	563.5	13.1	567.6	60.6	562.5	6.5
DE-000-36	260	2917	0.7	0.12050	10.0	0.01816	7.8	0.78	116.0	9.0	115.5	11.0	105.4	148.7	116.0	9.0
DE-000-39	193	3129	1.4	0.13272	6.3	0.01994	4.2	0.66	127.3	5.3	126.5	7.5	112.1	111.4	127.3	5.3
DE-000-38	65	1465	1.1	0.15392	15.2	0.02022	7.0	0.46	129.0	8.9	145.4	20.6	421.0	302.9	129.0	8.9
DE-000-40	166	11135	0.6	0.72184	3.5	0.08864	2.2	0.64	547.5	11.7	551.8	14.7	569.4	57.6	547.5	11.7
standard	500	45740	3.7	0.73243	3.1	0.09078	1.4	0.47	560.2	7.8	558.0	13.3	549.1	60.1	560.2	7.8
DE-000-41	179	2672	0.7	0.12616	9.2	0.02015	5.9	0.64	128.6	7.6	120.6	10.5	-33.0	170.8	128.6	7.6
DE-000-42	141	2692	1.2	0.13369	12.2	0.01967	7.6	0.63	125.5	9.5	127.4	14.6	162.3	222.3	125.5	9.5
DE-000-43	96	47290	0.9	5.41645	5.2	0.34271	4.6	0.89	1899.7	75.9	1887.5	44.4	1874.0	42.4	1874.0	42.4
DE-000-44	86	2293	1.5	0.14095	15.1	0.02088	4.8	0.32	133.2	6.3	133.9	19.0	145.6	337.6	133.2	6.3
DE-000-45	92	2758	1.5	0.13052	9.0	0.02031	4.0	0.45	129.6	5.2	124.6	10.5	29.4	192.4	129.6	5.2
standard	334	31847	2.9	0.78119	2.8	0.09429	1.9	0.69	580.9	10.6	586.2	12.3	606.6	42.9	580.9	10.6
DE-000-46	201	3236	1.0	0.13154	6.4	0.01917	4.3	0.68	122.4	5.2	125.5	7.5	184.2	109.2	122.4	5.2
DE-000-47	150	18138	1.8	2.63035	5.9	0.21301	5.3	0.90	1244.9	60.1	1309.2	43.6	1416.1	50.2	1416.1	50.2
DE-000-48	201	3416	1.9	0.12410	7.0	0.01958	4.0	0.57	125.0	4.9	118.8	7.9	-4.4	140.1	125.0	4.9
DE-000-49	184	42110	0.6	4.89834	2.7	0.31494	1.2	0.44	1765.0	18.3	1802.0	22.8	1845.0	44.0	1845.0	44.0
DE-000-50	237	4018	1.2	0.13832	5.6	0.02039	3.9	0.71	130.1	5.1	131.5	6.9	157.7	91.8	130.1	5.1
standard	469	35945	3.8	0.74444	1.6	0.09068	1.0	0.63	559.6	5.4	565.0	6.9	586.9	27.1	559.6	5.4
DE-000-51	206	26857	2.1	2.17137	2.1	0.19982	1.2	0.57	1174.4	12.5	1171.9	14.3	1167.4	33.5	1167.4	33.5
DE-000-52	368	7344	1.1	0.14458	4.7	0.02106	3.1	0.67	134.4	4.2	137.1	6.0	185.0	81.4	134.4	4.2
DE-000-53	244	4521	1.3	0.14064	8.2	0.01981	4.5	0.55	126.4	5.6	133.6	10.3	263.1	158.5	126.4	5.6
DE-000-54	130	2069	1.1	0.11615	10.5	0.01879	3.9	0.37	120.0	4.6	111.6	11.0	-65.1	237.5	120.0	4.6
DE-000-55	109	1880	1.3	0.11786	13.7	0.01913	4.2	0.31	122.1	5.1	113.1	14.7	-72.5	320.7	122.1	5.1
standard	418	55767	3.0	0.78243	4.4	0.09695	3.5	0.80	596.5	19.9	586.9	19.5	549.6	57.0	596.5	19.9
DE-000-56	453	13093	1.5	0.52925	4.1	0.06925	3.0	0.74	431.6	12.6	431.3	14.4	429.6	61.7	431.6	12.6
DE-000-57	179	1910	1.4	0.13395	10.9	0.01936	8.2	0.75	123.6	10.0	127.6	13.1	203.3	168.5	123.6	10.0
DE-000-58	178	50278	1.6	6.39572	2.3	0.37331	1.6	0.71	2044.9	28.1	2031.7	19.8	2018.2	28.2	2018.2	28.2
DE-000-59	137	969	1.2	0.22631	31.7	0.02167	5.0	0.16	138.2	6.8	207.1	59.4	1088.0	642.4	138.2	6.8
DE-000-60	365	73309	2.8	12.66422	3.8	0.51049	3.6	0.93	2658.7	78.0	2655.0	36.2	2652.1	23.4	2652.1	23.4
standard	444	37078	3.7	0.73289	3.8	0.09013	1.0	0.26	556.3	5.3	558.2	16.3	566.2	79.5	556.3	5.3
DE-000-61	323	15950	0.9	0.85321	2.6	0.10226	2.3	0.87	627.6	13.7	626.4	12.3	622.0	28.2	627.6	13.7
DE-000-62	252	5497	1.6	0.26237	2.2	0.03763	1.7	0.79	238.1	4.0	236.6	4.5	221.1	30.4	238.1	4.0
DE-000-63	190	4416	1.2	0.29916	4.0	0.04022	3.2	0.79	254.2	7.9	265.7	9.4	369.0	55.5	254.2	7.9
DE-000-64	257	3062	0.9	0.16840	7.8	0.02405	2.2	0.28	153.2	3.3	158.0	11.4	230.7	173.4	153.2	3.3
DE-000-65	101	1144	1.5	0.10527	17.0	0.01874	3.9	0.23	119.7	4.6	101.6	16.5	-303.8	427.2	119.7	4.6
standard	571	39239	2.8	0.72448	1.7	0.08907	1.0	0.59	550.0	5.3	553.3	7.2	566.9	29.9	550.0	5.3
DE-000-66	218	2321	1.2	0.11196	8.5	0.01815	3.5	0.41	116.0	4.0	107.8	8.6	-70.1	188.4	116.0	4.0
DE-000-67	334	5537	1.5	0.57458	3.8	0.07166	3.5	0.91	446.1	15.0	461.0	14.2	535.6	34.9	446.1	15.0
DE-000-68	490	57533	3.0	5.26642	2.2	0.33511	1.7	0.74	1863.1	26.8	1863.4	19.1	1863.8	27.1	1863.8	27.1
DE-000-69	492	2367	2.6	0.13403	4.5	0.01784	2.9	0.65	114.0	3.3	127.7	5.4	390.8	77.9	114.0	3.3
DE-000-70	25	1837	12.3	0.93193	8.5	0.10697	6.5	0.77	655.1	40.6	668.6	41.5	714.5	114.7	655.1	40.6
standard	662	47517	3.7	0.75345	1.9	0.09345	1.0	0.56	575.9	5.8	570.2	8.1	547.7	33.5	575.9	5.8
DE-000-71	212	2223	0.8	0.14417	9.4	0.01976	4.5	0.48	126.2	5.6	136.7	12.0	324.6	186.8	126.2	5.6
DE-000-72	90	5652	1.1	0.75706	4.0	0.09171	3.4	0.85	565.6	18.5	572.3	17.5	598.9	45.3	565.6	18.5
DE-000-73	294	57403	1.6	24.14767	6.6	0.66692	5.6	0.84	3294.0	144.0	3274.4	64.8	3262.4	56.5	3262.4	56.5
DE-000-74	445	19124	10.0	0.55055	4.5	0.07096	3.2	0.71	442.0	13.8	445.4	16.3	462.9	70.0	442.0	13.8
DE-000-75	136	1756	0.9	0.12512	12.9	0.01908	3.5	0.27	121.9	4.2	119.7	14.6	77.1	296.2	121.9	4.2
standard	544	38606	3.2	0.76834	1.5	0.09431	1.0	0.69	581.0	5.6	578.8	6.5	570.3	23.3	581.0	5.6
DE-000-76	121	2114	1.2	0.11271	17.0	0.01984	3.0	0.18	126.7	3.8	108.4	17.5	-275.6	429.2	126.7	3.8
DE-000-77	176	2464	0.9	0.12956	13.1	0.01946	9.8	0.75	124.2	12.1	123.7	15.3	113.8	206.2	124.2	12.1
DE-000-78	211	12206	1.0	0.65938	4.3	0.08262	1.8	0.41	511.7	8.6	514.2	17.3	525.3	85.8	511.7	8.6
DE-000-79	64	3215	1.4	0.54362	19.1	0.06603	5.9	0.31	412.2	23.4	440.8	68.4	593.2	396.8	412.2	23.4
DE-000-80	59	22586	1.0	10.70721	2.9	0.46930	1.5	0.54	2480.5	31.8	2498.1	26.6	2512.3	40.5	2512.3	40.5
standard	579	37443	2.6	0.70457	1.9	0.08768	1.0	0.55	541.8	5.4	541.5	7.9	540.4	34.4	541.8	5.4
DE-000-81	179	2315	1.2	0.14319	5.0	0.02074	2.0	0.41	132.3	2.7	135.9	6.4	198.4	106.3	132.3	2.7
DE-000-82	143	2288	1.6	0.14059	6.2	0.02028	3.8	0.63	129.4	4.9	133.6	7.7	208.1	111.4	129.4	4.9

DE-000-83	83	11915	0.9	2.51025	4.5	0.22112	4.1	0.91	1287.8	47.5	1275.0	32.4	1253.5	35.5	1253.5	35.5
DE-000-84	424	45043	1.2	1.55456	5.9	0.15271	5.8	0.97	916.1	49.4	952.3	36.7	1036.9	27.1	916.1	49.4
standard	603	40817	3.3	0.73824	1.5	0.09065	1.0	0.67	559.4	5.4	561.4	6.4	569.6	24.0	559.4	5.4
DE-000-86	387	5587	2.4	0.13297	5.1	0.01933	3.0	0.60	123.4	3.7	126.8	6.1	190.0	95.0	123.4	3.7
DE-000-87	273	2101	1.3	0.10664	6.9	0.01481	3.7	0.53	94.8	3.5	102.9	6.8	294.8	134.3	94.8	3.5
DE-000-88	174	2553	1.6	0.13105	9.4	0.02002	6.5	0.69	127.8	8.2	125.0	11.1	72.8	162.6	127.8	8.2
DE-000-89	249	42006	1.3	3.89493	2.2	0.28613	1.3	0.60	1622.2	19.1	1612.6	17.8	1600.2	32.7	1600.2	32.7
DE-000-90	303	3359	1.2	0.12525	6.3	0.01895	2.3	0.36	121.0	2.8	119.8	7.2	95.6	139.6	121.0	2.8
standard	676	43011	3.8	0.73346	1.8	0.09050	1.2	0.69	558.5	6.5	558.6	7.6	559.0	28.2	558.5	6.5
DE-000-91	125	1456	1.9	0.12719	10.1	0.01896	4.8	0.47	121.1	5.8	121.6	11.6	131.2	210.1	121.1	5.8
DE-000-92	278	38397	0.9	3.86645	2.1	0.28087	1.8	0.88	1595.8	25.7	1606.7	16.8	1621.1	18.6	1621.1	18.6
DE-000-93	395	6734	1.2	0.23954	4.8	0.03366	3.1	0.64	213.4	6.5	218.0	9.4	268.0	84.2	213.4	6.5
DE-000-94	273	11990	1.7	0.59445	2.4	0.07544	2.1	0.87	468.8	9.5	473.7	9.2	497.3	26.4	468.8	9.5
DE-000-95	453	10648	1.8	0.30823	4.7	0.04259	3.8	0.81	268.9	10.0	272.8	11.3	306.7	62.8	268.9	10.0
standard	611	36434	2.5	0.74704	1.4	0.09226	1.0	0.71	568.9	5.4	566.5	6.2	556.9	21.9	568.9	5.4
DE-000-96	99	1013	1.5	0.17971	16.0	0.02113	5.0	0.32	134.8	6.7	167.8	24.7	663.5	327.0	134.8	6.7
DE-000-98	125	2318	1.6	0.13655	7.3	0.02076	3.9	0.53	132.4	5.1	130.0	9.0	84.9	147.7	132.4	5.1
DE-000-99	340	31700	5.7	1.31047	3.6	0.12768	3.0	0.84	774.6	22.1	850.3	20.8	1053.4	39.5	774.6	22.1
DE-000-100	101	1617	0.7	0.11059	15.2	0.01904	5.1	0.34	121.6	6.2	106.5	15.3	-219.4	360.5	121.6	6.2
standard	475	39231	3.5	0.76116	2.9	0.09326	1.6	0.56	574.8	9.0	574.7	12.7	574.3	52.0	574.8	9.0
standard	466	41591	3.0	0.78935	2.1	0.09641	1.9	0.88	593.3	10.5	590.8	9.5	581.2	22.0	593.3	10.5
standard	671	50694	3.8	0.73006	1.8	0.09050	1.4	0.77	558.5	7.3	556.6	7.6	548.7	25.0	558.5	7.3
standard	538	37476	2.7	0.73379	2.0	0.09015	1.8	0.87	556.4	9.5	558.8	8.8	568.5	21.8	556.4	9.5

Sample DE-540-DZ

standard	618	43412	3.2	0.72517	1.6	0.09001	1.0	0.63	555.6	5.3	553.7	6.8	546.1	26.9	555.6	5.3
standard	484	32435	2.9	0.73695	3.5	0.09097	2.5	0.70	561.3	13.3	560.6	15.1	558.0	54.3	561.3	13.3
standard	479	36025	2.7	0.75012	2.8	0.09151	2.1	0.74	564.5	11.2	568.3	12.2	583.5	40.6	564.5	11.2
standard	614	43893	2.6	0.70616	1.6	0.08796	1.0	0.64	543.5	5.2	542.5	6.6	538.3	26.5	543.5	5.2
standard	392	41356	2.9	0.80046	2.6	0.09782	1.5	0.59	601.6	8.9	597.1	11.8	579.8	46.1	601.6	8.9
DE0540-DZ-1	370	5845	1.0	0.12721	6.5	0.01798	2.7	0.41	114.9	3.1	121.6	7.4	255.1	135.6	114.9	3.1
DE0540-DZ-2	305	67641	1.2	3.07781	2.4	0.24861	1.5	0.63	1431.3	19.4	1427.2	18.3	1421.0	35.4	1421.0	35.4
DE0540-DZ-3	340	5895	3.0	0.15764	4.3	0.02143	1.9	0.45	136.7	2.6	148.6	5.9	344.2	86.1	136.7	2.6
DE0540-DZ-4	393	106456	1.3	5.36215	2.8	0.34057	1.7	0.59	1889.4	27.2	1878.8	24.0	1867.2	40.8	1867.2	40.8
DE0540-DZ-5	76	1594	1.1	0.14175	19.5	0.01845	6.3	0.32	117.9	7.4	134.6	24.5	441.0	412.9	117.9	7.4
standard	447	40839	2.9	0.75716	3.3	0.09326	2.3	0.71	574.8	12.8	572.4	14.5	562.7	51.0	574.8	12.8
DE0540-DZ-6	286	4457	1.3	0.12701	2.8	0.01837	1.8	0.67	117.4	2.1	121.4	3.2	201.2	48.0	117.4	2.1
DE0540-DZ-7	206	12344	0.6	0.61666	5.3	0.07473	3.5	0.67	464.6	15.9	487.8	20.4	598.1	84.4	464.6	15.9
DE0540-DZ-8	242	15520	1.0	1.07141	2.9	0.11889	2.3	0.77	724.2	15.4	739.4	15.3	786.0	38.9	724.2	15.4
DE0540-DZ-9	132	1910	1.0	0.14086	10.7	0.02118	3.9	0.37	135.1	5.3	133.8	13.4	110.9	235.5	135.1	5.3
DE0540-DZ-10	229	24076	1.3	1.52601	2.2	0.15794	1.9	0.89	945.3	17.0	940.9	13.4	930.5	20.5	945.3	17.0
standard	558	37914	3.0	0.71300	2.2	0.08763	1.3	0.62	541.5	7.0	546.5	9.2	567.5	37.5	541.5	7.0
DE0540-DZ-11	264	48126	1.0	3.58132	2.1	0.27056	1.2	0.56	1543.6	16.3	1545.4	16.9	1547.8	33.1	1547.8	33.1
DE0540-DZ-12	103	7625	0.6	0.70448	3.2	0.08557	2.1	0.66	529.3	10.6	541.5	13.3	593.1	51.5	529.3	10.6
DE0540-DZ-13	511	27978	0.8	0.53112	2.6	0.06935	2.4	0.90	432.2	9.8	432.6	9.2	434.3	25.5	432.2	9.8
DE0540-DZ-14	570	44839	1.2	1.53285	6.3	0.15685	5.6	0.90	939.2	49.3	943.6	38.5	953.9	55.7	939.2	49.3
DE0540-DZ-15	383	83927	1.8	6.95099	2.0	0.38229	1.0	0.50	2087.0	17.8	2105.2	17.7	2123.1	30.3	2123.1	30.3
standard	555	42607	2.5	0.73822	2.6	0.09068	2.4	0.89	559.6	12.6	561.4	11.4	568.6	25.9	559.6	12.6
DE0540-DZ-16	442	29336	2.8	1.66242	3.3	0.16463	3.1	0.95	982.5	28.2	994.3	20.7	1020.5	20.7	1020.5	20.7
DE0540-DZ-17	538	95287	2.3	4.19032	4.5	0.29837	4.2	0.95	1683.2	62.8	1672.1	36.5	1658.2	25.6	1658.2	25.6
DE0540-DZ-18	137	17164	1.6	1.54268	2.6	0.15720	2.0	0.76	941.2	17.4	947.6	16.2	962.4	35.0	941.2	17.4
DE0540-DZ-19	324	4060	0.9	0.11134	9.0	0.01739	6.7	0.74	111.1	7.3	107.2	9.2	20.3	145.3	111.1	7.3
DE0540-DZ-20	416	12983	1.7	0.29186	6.0	0.04117	4.9	0.81	260.1	12.5	260.0	13.9	259.4	81.0	260.1	12.5
standard	453	52804	3.4	0.75113	4.1	0.09268	3.8	0.94	571.4	20.9	568.9	17.8	558.9	30.8	571.4	20.9
DE0540-DZ-21	77	24527	1.1	9.12114	8.0	0.44407	6.9	0.86	2368.8	136.1	2350.2	73.0	2334.1	69.2	2334.1	69.2
DE0540-DZ-22	173	43858	5.0	6.22204	3.5	0.36607	3.3	0.96	2010.9	57.7	2007.6	30.5	2004.1	17.8	2004.1	17.8
DE0540-DZ-23	60	6583	0.6	2.05974	3.0	0.18359	1.7	0.57	1086.6	17.0	1135.5	20.5	1230.4	48.3	1230.4	48.3
DE0540-DZ-24	664	28738	0.8	0.52320	2.1	0.06785	1.8	0.87	423.2	7.4	427.3	7.2	449.3	22.3	423.2	7.4
DE0540-DZ-25	73	26617	1.1	19.68931	3.2	0.57742	3.0	0.94	2938.2	71.8	3076.2	31.3	3167.6	17.4	3167.6	17.4
standard	373	42873	3.3	0.75754	2.5	0.09248	1.9	0.79	570.2	10.6	572.6	10.8	582.1	33.0	570.2	10.6
DE0540-DZ-26	137	36111	1.0	7.09929	3.6	0.37830	3.4	0.96	2068.3	60.3	2124.0	31.6	2178.2	17.4	2178.2	17.4
DE0540-DZ-27	281	59812	0.6	4.08950	3.0	0.29151	2.6	0.85	1649.1	37.2	1652.2	24.4	1656.2	28.9	1656.2	28.9

DE0540-DZ-28	79	9431	1.2	1.55073	3.8	0.15475	2.0	0.54	927.6	17.6	950.8	23.4	1004.9	64.7	927.6	17.6
DE0540-DZ-29	124	12944	1.1	1.50212	4.1	0.15293	2.2	0.54	917.3	19.0	931.2	25.1	964.3	70.8	917.3	19.0
DE0540-DZ-30	410	15735	3.5	0.53435	3.0	0.06929	2.7	0.91	431.8	11.3	434.7	10.6	449.8	28.1	431.8	11.3
standard	412	34314	3.7	0.73217	5.0	0.09022	4.3	0.86	556.8	23.2	557.8	21.7	561.9	56.0	556.8	23.2
DE0540-DZ-31	271	46180	1.0	5.85944	5.9	0.29059	5.7	0.98	1644.5	83.4	1955.2	50.9	2302.4	20.4	2302.4	20.4
DE0540-DZ-32	287	30063	1.3	1.19401	2.7	0.13160	2.3	0.87	797.0	17.4	797.8	14.8	800.1	27.9	797.0	17.4
DE0540-DZ-33	345	8216	1.2	0.29136	2.8	0.03895	1.5	0.54	246.3	3.7	259.6	6.5	381.7	54.0	246.3	3.7
DE0540-DZ-34	285	1980	1.4	0.19006	16.7	0.01736	2.6	0.15	111.0	2.8	176.7	27.0	1182.0	327.8	111.0	2.8
DE0540-DZ-35	520	19683	0.9	0.67532	8.7	0.07976	3.4	0.39	494.7	16.3	523.9	35.6	653.4	172.0	494.7	16.3
standard	381	28857	3.3	0.71629	5.3	0.09013	3.4	0.64	556.3	18.2	548.5	22.6	516.1	89.7	556.3	18.2
DE0540-DZ-36	128	2252	0.6	0.12385	12.8	0.01922	7.2	0.56	122.7	8.7	118.6	14.4	36.0	255.9	122.7	8.7
DE0540-DZ-38	389	3976	0.4	0.12740	7.4	0.01713	4.1	0.55	109.5	4.4	121.8	8.5	368.2	140.1	109.5	4.4
DE0540-DZ-37	131	6985	1.0	0.57428	4.2	0.06990	2.9	0.70	435.6	12.4	460.8	15.6	588.4	65.5	435.6	12.4
DE0540-DZ-39	455	124900	7.8	10.01249	6.6	0.41350	5.5	0.83	2230.9	102.9	2435.9	60.8	2611.9	61.1	2611.9	61.1
DE0540-DZ-40	517	108600	3.6	5.07492	5.4	0.31876	4.3	0.79	1783.7	67.1	1831.9	46.1	1887.2	59.6	1887.2	59.6
standard	507	48293	3.5	0.78501	1.7	0.09630	1.3	0.80	592.7	7.6	588.3	7.5	571.6	22.0	592.7	7.6
DE0540-DZ-41	433	24163	1.2	0.56669	6.2	0.07034	3.4	0.54	438.2	14.3	455.9	22.8	546.0	114.2	438.2	14.3
DE0540-DZ-42	59	23109	1.7	9.65203	5.5	0.44359	3.9	0.70	2366.7	77.3	2402.1	51.0	2432.3	66.6	2432.3	66.6
DE0540-DZ-43	300	12106	0.8	0.69702	5.1	0.07956	3.0	0.60	493.5	14.4	537.0	21.2	726.3	86.4	493.5	14.4
DE0540-DZ-44	312	14980	0.9	0.38748	5.4	0.05197	3.5	0.65	326.6	11.1	332.5	15.3	374.1	92.8	326.6	11.1
DE0540-DZ-45	142	25425	1.2	2.19560	4.6	0.19606	2.1	0.45	1154.1	21.8	1179.6	32.0	1226.8	80.6	1226.8	80.6
standard	393	33180	3.6	0.74235	2.9	0.09119	1.2	0.43	562.6	6.7	563.8	12.5	568.7	56.6	562.6	6.7
DE0540-DZ-46	704	11598	1.4	0.19249	2.2	0.02691	1.5	0.67	171.2	2.5	178.8	3.6	280.4	37.1	171.2	2.5
DE0540-DZ-47	362	42424	2.5	1.73200	2.6	0.17214	2.2	0.84	1023.9	20.7	1020.5	16.8	1013.2	28.8	1013.2	28.8
DE0540-DZ-48	640	35631	2.5	0.90046	2.1	0.10643	1.8	0.86	652.0	11.0	652.0	9.9	652.0	22.6	652.0	11.0
DE0540-DZ-49	516	15495	1.9	0.32746	2.0	0.04609	1.7	0.82	290.5	4.7	287.6	5.1	264.6	27.0	290.5	4.7
DE0540-DZ-50	355	59513	1.0	4.19781	4.2	0.27701	3.8	0.91	1576.3	52.9	1673.6	34.2	1797.8	32.0	1797.8	32.0
standard	552	45494	2.6	0.72941	2.1	0.09026	1.6	0.78	557.1	8.7	556.2	8.9	552.7	28.6	557.1	8.7
DE0540-DZ-51	182	20617	1.1	1.55684	3.1	0.16108	2.7	0.86	962.8	23.8	953.2	19.2	931.2	32.6	962.8	23.8
DE0540-DZ-52	270	28098	0.9	1.50299	3.4	0.15531	3.1	0.91	930.7	26.7	931.6	20.6	933.8	28.2	930.7	26.7
DE0540-DZ-53	179	19421	2.0	1.29158	8.0	0.14138	7.2	0.90	852.5	57.4	842.0	45.6	814.4	71.6	852.5	57.4
DE0540-DZ-54	157	8290	0.3	0.63517	4.0	0.08134	2.1	0.51	504.1	10.1	499.3	15.9	477.4	76.7	504.1	10.1
DE0540-DZ-55	387	20552	1.1	0.70843	4.7	0.08760	3.5	0.75	541.3	18.2	543.8	19.6	554.2	66.6	541.3	18.2
standard	577	49940	3.3	0.74004	1.7	0.09127	1.1	0.65	563.1	6.1	562.4	7.5	559.8	28.8	563.1	6.1
DE0540-DZ-56	66	10529	1.7	3.19509	3.5	0.25462	2.9	0.83	1462.3	38.1	1456.0	27.0	1446.8	36.8	1446.8	36.8
DE0540-DZ-57	586	70843	1.8	1.66597	3.0	0.16616	2.7	0.93	990.9	25.1	995.7	18.7	1006.1	22.7	990.9	25.1
DE0540-DZ-58	348	32394	2.3	1.74669	5.1	0.17360	4.8	0.95	1031.9	45.8	1025.9	32.7	1013.2	31.9	1013.2	31.9
DE0540-DZ-59	151	2225	1.4	0.12740	19.4	0.01809	7.7	0.40	115.6	8.8	121.8	22.3	244.2	413.3	115.6	8.8
DE0540-DZ-60	317	70886	1.3	8.05588	2.9	0.36654	2.7	0.91	2013.1	46.0	2237.3	26.3	2449.3	20.0	2449.3	20.0
standard	291	33677	3.3	0.75738	5.1	0.09277	4.9	0.97	571.9	27.1	572.5	22.4	574.7	29.0	571.9	27.1
DE0540-DZ-61	148	12897	0.6	1.10864	3.2	0.12350	2.5	0.78	750.7	17.8	757.5	17.2	777.8	42.4	750.7	17.8
DE0540-DZ-62	150	14003	1.0	1.27829	3.5	0.13635	2.7	0.76	824.0	20.5	836.1	20.0	868.3	47.6	824.0	20.5
DE0540-DZ-63	63	19880	1.2	12.46642	3.0	0.50749	2.4	0.80	2645.9	52.8	2640.2	28.5	2635.8	29.9	2635.8	29.9
DE0540-DZ-64	1055	25920	1.6	0.31447	3.0	0.04286	1.7	0.55	270.6	4.4	277.6	7.3	337.7	57.4	270.6	4.4
DE0540-DZ-65	673	187315	13.4	9.99016	1.8	0.45170	1.5	0.84	2402.8	30.6	2433.9	16.8	2459.9	16.9	2459.9	16.9
standard	526	48088	3.2	0.75934	2.4	0.09279	1.8	0.74	572.0	9.6	573.6	10.3	580.0	34.2	572.0	9.6
DE0540-DZ-67	120	17463	1.6	1.66848	8.0	0.16352	5.7	0.71	976.3	51.7	996.6	51.1	1041.5	114.3	1041.5	114.3
DE0540-DZ-68	141	63103	1.5	15.25546	9.5	0.53801	8.7	0.92	2775.1	196.8	2831.3	90.4	2871.6	59.4	2871.6	59.4
DE0540-DZ-69	290	27700	2.3	0.83510	3.8	0.10013	2.7	0.70	615.2	15.7	616.4	17.6	621.0	58.5	615.2	15.7
DE0540-DZ-70	119	50892	1.5	5.84154	5.7	0.35930	4.6	0.80	1978.9	78.5	1952.6	49.8	1924.8	61.3	1924.8	61.3
standard	515	39488	3.0	0.67658	2.4	0.08557	1.1	0.47	529.3	5.8	524.7	9.9	504.7	46.9	529.3	5.8
DE0540-DZ-72	170	48383	0.4	4.97129	4.1	0.32531	3.3	0.82	1815.6	52.7	1814.5	34.5	1813.1	42.9	1813.1	42.9
DE0540-DZ-73	184	7881	0.6	0.39065	5.2	0.05181	2.5	0.48	325.6	8.0	334.8	14.9	399.5	102.5	325.6	8.0
DE0540-DZ-74	953	33282	5.8	2.67308	8.3	0.19421	7.6	0.91	1144.1	79.4	1321.0	61.2	1620.8	62.2	1620.8	62.2
DE0540-DZ-75	458	32405	2.0	2.58167	7.1	0.20516	6.2	0.88	1203.0	68.3	1295.5	51.7	1452.1	63.0	1452.1	63.0
standard	388	27758	3.1	0.75478	3.4	0.09308	1.0	0.30	573.7	5.5	571.0	14.7	560.1	70.0	573.7	5.5
DE0540-DZ-76	105	8902	57.2	0.85502	5.7	0.09878	3.7	0.64	607.2	21.4	627.4	26.9	700.7	93.7	607.2	21.4
DE0540-DZ-77	205	7258	1.0	0.34553	12.9	0.04294	5.9	0.46	271.0	15.7	301.4	33.6	543.4	251.0	271.0	15.7
DE0540-DZ-78	64	5155	52.5	0.72012	8.9	0.07833	6.2	0.69	486.1	28.9	550.7	37.7	827.8	133.3	486.1	28.9
DE0540-DZ-79	89	34460	0.8	10.17311	3.6	0.46347	2.7	0.75	2454.9	55.2	2450.6	33.5	2447.1	40.8	2447.1	40.8
DE0540-DZ-80	131	28061	1.0	2.24465	3.5	0.20195	1.5	0.43	1185.8	16.4	1195.1	24.9	1212.0	63.2	1212.0	63.2
standard	568	45345	2.5	0.73085	1.4	0.09011	1.0	0.70	556.2	5.3	557.0	6.2	560.4	22.5	556.2	5.3

DE0540-DZ-81	308	42585	2.1	3.68802	8.4	0.23229	7.7	0.92	1346.5	93.8	1568.8	67.1	1882.2	58.9	1882.2	58.9
DE0540-DZ-82	264	60607	1.6	4.65077	3.1	0.31207	3.0	0.95	1750.9	45.6	1758.4	26.2	1767.4	18.3	1767.4	18.3
DE0540-DZ-83	215	3504	0.7	0.16795	9.0	0.02135	2.9	0.33	136.2	4.0	157.6	13.2	493.7	188.7	136.2	4.0
DE0540-DZ-84	980	21043	0.9	0.17226	1.8	0.02500	1.4	0.81	159.2	2.3	161.4	2.6	194.1	23.9	159.2	2.3
DE0540-DZ-85	62	18238	0.7	5.19103	1.9	0.33051	1.6	0.82	1840.9	25.3	1851.1	16.3	1862.7	19.6	1862.7	19.6
standard	593	54158	3.2	0.73034	1.5	0.09000	1.0	0.65	555.6	5.3	556.8	6.6	561.6	25.5	555.6	5.3
DE0540-DZ-86	797	237535	14.9	5.02054	3.1	0.32701	1.9	0.60	1823.9	29.8	1822.8	26.6	1821.5	45.7	1821.5	45.7
DE0540-DZ-87	467	5668	0.9	0.14234	8.0	0.01764	2.7	0.34	112.7	3.0	135.1	10.1	549.1	163.6	112.7	3.0
DE0540-DZ-88	196	49151	1.0	3.11711	2.1	0.25006	1.7	0.78	1438.8	21.6	1436.9	16.5	1434.2	25.6	1434.2	25.6
DE0540-DZ-89	150	62269	2.0	10.48715	5.0	0.46917	4.0	0.80	2479.9	82.2	2478.8	46.3	2477.8	50.6	2477.8	50.6
DE0540-DZ-90	214	41821	1.1	2.35944	3.3	0.20553	2.8	0.83	1204.9	30.5	1230.4	23.9	1275.3	36.7	1275.3	36.7
standard	251	30481	3.2	0.77931	9.5	0.09457	7.1	0.75	582.5	39.7	585.1	42.4	595.0	136.7	582.5	39.7
DE0540-DZ-91	258	74050	1.6	8.91743	3.8	0.39679	3.3	0.89	2154.3	61.2	2329.6	34.3	2487.0	29.0	2487.0	29.0
DE0540-DZ-92	336	58022	1.5	2.76457	3.1	0.23468	2.2	0.71	1359.0	26.8	1346.0	23.2	1325.4	42.6	1325.4	42.6
DE0540-DZ-93	233	56003	1.6	4.56252	4.4	0.31265	4.1	0.92	1753.8	62.4	1742.4	36.7	1728.9	31.0	1728.9	31.0
DE0540-DZ-94	125	17000	0.4	1.99383	2.6	0.18120	1.5	0.58	1073.5	14.7	1113.4	17.3	1192.2	41.1	1192.2	41.1
DE0540-DZ-95	156	4649	0.9	0.25970	6.4	0.03548	2.3	0.36	224.7	5.1	234.4	13.4	332.6	136.0	224.7	5.1
standard	452	39721	3.5	0.74649	4.0	0.09151	2.7	0.66	564.5	14.5	566.2	17.5	573.1	65.7	564.5	14.5
DE0540-DZ-96	324	117295	2.3	5.26117	3.5	0.33772	2.7	0.78	1875.7	43.7	1862.6	29.5	1847.9	39.4	1847.9	39.4
DE0540-DZ-97	271	37062	1.3	1.80090	8.4	0.16110	7.7	0.91	962.9	68.6	1045.8	55.2	1223.3	69.6	1223.3	69.6
DE0540-DZ-98	592	76173	5.1	1.46474	2.6	0.15427	2.1	0.81	924.8	17.8	916.0	15.4	894.6	31.2	924.8	17.8
DE0540-DZ-99	121	31026	0.3	5.75247	1.5	0.34227	1.1	0.73	1897.6	17.7	1939.3	12.7	1984.2	17.8	1984.2	17.8
DE0540-DZ-100	539	44348	0.8	0.81603	2.1	0.09866	1.7	0.84	606.6	10.1	605.8	9.4	603.0	24.0	606.6	10.1
standard	532	58674	3.3	0.70534	4.1	0.08828	2.8	0.68	545.4	14.5	542.0	17.1	527.7	65.3	545.4	14.5
standard	415	38773	2.7	0.74831	3.3	0.09314	2.0	0.61	574.1	11.2	567.2	14.4	539.8	57.4	574.1	11.2
standard	235	28166	3.3	0.80853	6.5	0.09583	5.2	0.80	589.9	29.1	601.6	29.3	645.9	83.2	589.9	29.1
standard	588	49907	3.2	0.71381	2.1	0.08851	1.7	0.81	546.7	9.1	547.0	9.1	548.1	27.3	546.7	9.1
standard	451	40122	2.8	0.75005	3.0	0.09173	2.2	0.73	565.7	11.8	568.3	12.9	578.3	43.5	565.7	11.8

1. Analyses with >10% uncertainty (1-sigma) in 206Pb/238U age are not included.
2. Analyses with >10% uncertainty (1-sigma) in 206Pb/207Pb age are not included, unless 206Pb/238U age is <500 Ma.
3. Best age is determined from 206Pb/238U age for analyses with 206Pb/238U age <1000 Ma and from 206Pb/207Pb age for analyses with 206Pb/238Uage > 1000 Ma.
4. Concordance is based on 206Pb/238U age / 206Pb/207Pb age. Value is not reported for 206Pb/238U ages <500 Ma because of large uncertainty in 206Pb/207Pb age.
5. Analyses with 206Pb/238U age > 500 Ma and with >20% discordance (<80% concordance) are not included.
6. Analyses with 206Pb/238U age > 500 Ma and with >5% reverse discordance (<105% concordance) are not included.
7. All uncertainties are reported at the 1-sigma level, and include only measurement errors.
8. Systematic errors are as follows (at 2-sigma level): [sample 1: 2.5% (206Pb/238U) & 1.4% (206Pb/207Pb)] These values are reported on cells U1 and W1 of NUagecalc.
9. Analyses conducted by LA-MC-ICPMS, as described by Gehrels et al. (2008).