This presentation is designed to provide a step-by-step followthrough. If you have any questions, do not hesitate to contact us.

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Admin		Durati Window         MgKa1         AlKa1         SiKa1           240         36.07         1024.3         968.25         898.56           240.1         22.89         840.2         738.59         767.49           244         43.83         1071.6         931.37         923.52	CrKa1 MnKa1
OB40Archibarca35	OB40Archibarca35	240 36.07 1024.3 968.25 898.56 the original	B 74.774 138.654522
OB40Basaltic_Plateau20	OB40Basaltic_Plateau20	240.1 22.89 840.2 738.59 767.49 UIC UIS UIC UIS	90.295 242.3811926
OB40Big_Southern_Butte06 OB40Blue_Mountain04	OB40Big_Southern_Butte06 OB40Blue Mountain04	241 43.83 1071.6 931.37 923.52 240.4 32 987.87 928.61 871.65	9 79.102 127.7042772 7 86.225 318.261161
OB40Blue_Mountain04 OB40Burns_Green15	OB40Burns_Green15	240.4 52 987.87 928.01 871.05 240.9 34.22 1035.3 888.23 911.4 894.83 866.48 795.42 754.44 745 747.74 644.05 599.84 406.84 198.19	135.69 92.013 118.4455647
OB40Burns_Greenits OB40Cannonball1_22	OB40Burns_Greenis OB40Cannonball1_22	240.9 34.83 1004.2 928.85 872.73 810.9 791.35 773.45 654.24 658.02 690.44 616.25 555.93 417.58 155.95	138.21 103.87 132.4396603
OB40Casa_Diablo10	OB40Casa_Diablo10		144.27 87.302 98.7384794
OB40Cerro_del_Medio28	OB40Cerro_del_Medio28		105.67 78.875 130.6828198
OB40Chickahominy26	OB40Chickahominy26		139.42 101.55 118.9474368
2 OB40Cougar_Mountain29	OB40Cougar_Mountain29		150.51 96.255 114.045075
OB40Davis_Creek27	OB40Davis_Creek27	240.2 35.73 1092.2 997.26 883.04 931.68 926.31 846.95 784.56 796.9 789.85 639.98 606.48 431.85 203.32	
OB40East_Medicine_lake12	OB40East_Medicine_lake12	240.9 36.38 998.05 985.7 895.89 876.69 877.5 807.08	07
OB40EI_Paraiso24	OB40EI_Paraiso24	240.1 34.51 1044.1 875.48 922.07 803.2 778.06 749.1	7
OB40EI_Peceno40	OB40EI_Peceno40	240.1         36.28         1074.8         987.57         908.91         892.54         864.91         869.0           240.8         34.65         1070         981.42         937.19         870.65         853.32         832.6           240         34.81         1052.1         965.27         934.58         859.56         864.78         830.3	
OB40Glass_Buttes03	OB40Glass_Buttes03	240.8 34.65 1070 981.42 937.19 870.65 853.32 832.6 V A K C S I C V	
OB40Grasshopper_Flat13	OB40Grasshopper_Flat13	240 34.81 1052.1 965.27 934.58 859.56 864.78 830.3	
OB40Gregory_Creek38	OB40Gregory_Creek38	240 36.5 1030.8 1012.8 911.87 952.98 955.54 891.6	3
OB40Guadalupe_Victoria02	OB40Guadalupe_Victoria02	240.2 36.05 1050.9 974.41 962.02 925.08 930.37 888.0	
OB40Inman_Creek14	OB40Inman_Creek14	240 35.04 1065.2 1010.7 987.56 862.12 851.29 895.7 ON THE SHEAD	ISNEET 🛽
2 OB40KES_276_18	OB40KES_276_18	240.2         36.05         1050.9         974.41         962.02         925.08         930.37         888.0           240         35.04         1065.2         1010.7         987.56         862.12         851.29         895.7           240.7         39.77         917.44         936.2         820.51         813.88         804.76         797.7           240.7         39.75         505.05         506.42         856.24         856.26         895.7	
3 OB40KES_362_17	OB40KES_362_17	240.9 40.40 855.05 821.12 750.71 000.43 009.04 050.3	3
OB40La_Joya16	OB40La_Joya16	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-/ 1
OB40McDaniel_Tank21	OB40McDaniel_Tank21	240.3 34.66 1007.5 953.97 899.1 792.95 777.52 786.4 240.7 36.08 1062.8 928.86 919.08 885.31 872.3 799.7 240.1 34.84 1073.4 938.69 931.46 890.4 887.46 841.8	ς΄ Ι
OB40Meydan_Tepe36	OB40Meydan_Tepe36		5
OB40Mono_Craters07 OB40Mule_Creek19	OB40Mono_Craters07 OB40Mule_Creek19	240.8         37.16         1053.4         974         885.95         848.07         861.86         845.9           240         37.31         1000.7         1015.7         923.1         859.4         852.68         818.21	2
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OB40Paredon34	OB40Paredon34	240.1 30.55 1040.4 522.57 555.81 570.10 505.00 750.54 771.25 751.71 040.16 505.05 425.75 151.40 240.9 36.74 1070.1 978.76 925.88 920.73 890.47 820.16 0.25 785.33 786.01 625.4 605.85 417.85 170.13	
2 OB40Polvadera31	OB40Polvadera31	240.2 37.75 1084 990.53 980.92 913.13 875.92 843.59 /94.3 779.48 771.54 612.54 582.2 448.17 174.17	
OB40RS_Hill08	OB40RS_Hill08	240 43.85 1016.3 953.25 920.53 826.95 846.82 845.0 783.2 779.69 785.08 619.28 534.8 388.71 167.51	
OB40San_Leonel32	OB40San_Leonel32		121.56 80.851 119.0929581
0B40Sarikamis37	OB40Sarikamis37		120.32 102.21 120.8976816
OB40Timber_Butte01	OB40Timber_Butte01		130.03 76.466 187.653586
OB40Tucker Hill11	OB40Tucker Hill11	240.1 37.1 1077.7 962.84 962.24 891.74 868.89 862.26 806.3 794.38 770.44 604.77 592 450.52 168.98	125.67 68.835 141.9337559
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Build PDA Image	OB40East_Medicine_lake12	240.9	36.38 998.0		895.89		877.5		848.73		801.71		537	436.63	200.85			113.7590007
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OB40Glass_Buttes03 OB40Grasshopper_Flat13	OB40Grasshopper_Flat13	240.8	34.65 107 34.81 1052		934.58			830.35				616.72				117.52		118.606639
OB40Gregory_Creek38		240	36.5 1032		911.87		955.54					663.66						155.6271603
OB40Guadalupe_Victoria02	OB40Gregory_Creek38 OB40Guadalupe_Victoria02	240	36.05 1050				930.37		790.54			653.03		410.92	204.87	121.93		151.3078198
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OB40KES_276_18	OB40KES_276_18	240.7	39.77 917.4		820.51			797.79						419.74	255.32			218.0403948
OB40KES_362_17	OB40KES_362_17	240.9	40.46 853.0		756.71							515.79						376.0142573
OB40La_Joya16	OB40La Joya16	240.9	34.66 1067		899.1	792.95			767.16		758.08		567.92		227.76	120.86		173.5208095
OB40McDaniel_Tank21	OB40McDaniel_Tank21	240.7	36.08 1062				872.3			782.92			531.15		240.52			167.4446287
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OB40Mono_Craters07	OB40Mono_Craters07	240.8	37.16 1053														93.935	109.0304581
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OB40RS_Hill08	OB40RS_Hill08	240	43.85 1016	.3 953.25	920.53	826.95	846.82	845.04	783.2	779.69	785.08	619.28	534.8	388.71	167.51	113.17	85.844	124.654522
OB40San_Leonel32	OB40San_Leonel32	240.9	35.59 993.	4 996.13	930.03	850.81	835.32	839.8	790.53	788.19	792.26	602.96	571.26	419.05	180.05	121.56	80.851	119.0929581
—	OB40Sarikamis37	240.1	37.09 1009	7 949.96	975.42	868.09	869.96	831.19	845.72	844.46	792.2	620.75	620.6	434.96	195.51	120.32	102.21	120.8976816
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26 OB40Meydan_Tepe36	OB40Meydan_Tepe36	240.1 34.84 1073.4	4 938.69 931.46 890.4	887.46 841.86								
27 OB40Mono_Craters07	OB40Mono_Craters07	240.8 37.16 1053.4	4 974 885.95 848.07	861.86 845.94 8				1	1	1	(•I	
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5 OB40Big_Southern_Butte06	OB40Big_Southern_Butte06	241	43.83	$\sim$											180.58	132.19	79.102	127.7042772	
6 OB40Blue_Mountain04	OB40Blue_Mountain04	240.4		928.61	871.65	767.98	782.14	753.25	746.14	745.83	728.96	587.1	531.71	391.49	183.92	136.7	86.225	318.261161	
7 OB40Burns_Green15	OB40Burns_Green15	240.9	1035.3		911.4	894.83	866.48		754.44	745	747.74	644.05	599.84	406.84	198.19		92.013	118.4455647	
8 OB40Cannonball1_22	OB40Cannonball1_22	0107	34.83 1004.2			810.9		773.45	654.24	658.02	690.44	616.25	555.93	417.58	155.95	138.21	103.87	132.4396603	-
9 OB40Casa_Diablo10	OB40Casa_Diablo10	240.7	34.18 1060 37.13 1049.3	983.2 917.61	887.13	850.18	818.84	798.59	786.02	784.02	789.56	611.42	605.08	495.2 428.83	190.17		87.302	98.7384794 130.6828198	-
10 OB40Cerro_del_Medio28 11 OB40Chickahominy26	OB40Cerro_del_Medio28 OB40Chickahominy26	240.2 241	37.13 1049.3 33.93 976.98		914.5 866.51	877.34 839.71	865.1 829.72	821.7 846.06	859.46 838.01	857.92 840.42	807.99 844.68	676.36 617.1	634.97 583.77	428.83	183.99 196.46	105.67 139.42	78.875 101.55	118.9474368	
	OB40Cougar_Mountain29	241	36.44 1054.1			894.59	889	823.9	800.86	785.68	780.99	646.08	587.86	450.2	198.63	159.42	96.255	114.045075	-
12 OB40Cougar_Mountain29 13 OB40Davis_Creek27	OB40Cougal_mountain29 OB40Davis_Creek27	240.2	35.73 1092.2			931.68	926.31	846.95	784.56	796.9	789.85	639.98	606.48	431.85	203.32		93.146	120.6271603	<u> </u>
14 OB40East_Medicine_lake12	OB40East_Medicine_lake12	240.9	36.38 998.05		895.89	876.69	877.5	807.08	848.73	845.96	801.71	646.13	537	436.63	200.85		99.113	113.7590007	-
15 OB40EL Paraiso24	OB40EI_Paraiso24	240.1	34.51 1044.1			803.2			748.31	748.49	724.57		525.81	416.75	175.64			97.74625587	-
16 OB40El Peceno40	OB40EI_Peceno40	240.1	36.28 1074.8		908.91	892.54	864.91		776.45	758.32	717.24	645.61	592.94	483.3	187.19			191.3771603	
17 OB40Glass Buttes03	OB40Glass_Buttes03	240.8	34.65 1070	981.42	937.19	870.65	853.32	832.63	810.6	802.05	792.08	664.27	596.53	464.64	206.09	134.96	96.697	111.2443838	
18 OB40Grasshopper_Flat13	OB40Grasshopper_Flat13	240	34.81 1052.1	965.27	934.58	859.56	864.78	830.35	833.77	832.5	803.15	616.72	580.81	436.65	230.59	117.52	88.246	118.606639	
19 OB40Gregory_Creek38	OB40Gregory_Creek38	240	36.5 1030.8	1012.8	911.87	952.98	955.54	891.65	817.41	811.78	748.22	663.66	551.95	472.67	204.87	170.75	86.938	155.6271603	
20 OB40Guadalupe_Victoria02	OB40Guadalupe_Victoria02	240.2	36.05 1050.9	974.41	962.02	925.08	930.37	888.05	790.54	790.69	804.42	653.03	594.55	410.92	214.04	121.93	84.627	151.3078198	
21 OB40Inman_Creek14	OB40Inman_Creek14	240	35.04 1065.2	1010.7	987.56	862.12	851.29	895.74	822.83	816.86	830.01	627.38	584.61	452.22	187.46	143.4	88.566	153.0002882	
22 OB40KES_276_18	OB40KES_276_18	240.7	39.77 917.44		820.51	813.88			737.07	736.07	683.03	564.57	610.2	419.74	255.32	143.62		218.0403948	
23 OB40KES_362_17	OB40KES_362_17	240.9	40.46 853.05			666.43	669.64	656.37	688.95	689.06	684.71	515.79	499.07	353.95	218.32	159.81		376.0142573	
24 OB40La_Joya16	OB40La_Joya16	240.9	34.66 1067.5		899.1	792.95			767.16		758.08	629.59	567.92	414.61	227.76	120.86		173.5208095	_
25 OB40McDaniel_Tank21	OB40McDaniel_Tank21	240.7	36.08 1062.8			885.31	872.3	799.71	782.35	782.92	787.54	572.61	531.15	478.35	240.52	169.19	80.085	167.4446287	<u>                                     </u>
26 OB40Meydan_Tepe36	OB40Meydan_Tepe36	240.1	34.84 1073.4		931.46	890.4	887.46	841.86	808.1	799.5	776.9	591.92	634.68	442.68	179.51	108	95.718	163.3137243	<u> </u>
27 OB40Mono_Craters07	OB40Mono_Craters07	240.8	37.16 1053.4		885.95	848.07				814.71				421.24				109.0304581	
28 OB40Mule_Creek19 29 OB40Obsidian_Cliffs39	OB40Mule_Creek19 OB40Obsidian_Cliffs39	240	37.31 1000.7 36.4 1069.7			859.4 810.4	852.68			804.23 830.68	784.34		580 527 37			117.76		120.732575 110.0245537	H .
30 OB40Pachuca30	OB40Dashuca30	240.2	35.59 1045.4							771.23								219.4436926	H
31 OB40Paredon34	OB40Paredon34	240.1	36.74 1070.1							785.33								128.7599368	
32 OB40Polvadera31	OB40Polvadera31	240.2	37.75 1084		980.92					779.48			582.2					126.9611176	
33 OB40RS_Hill08	OB40RS_Hill08	240	43.85 1016.3							779.69			534.8		167.51			124.654522	
34 OB40San_Leonel32	OB40San_Leonel32	240.9	35.59 993.4		930.03					788.19								119.0929581	
35 OB40Sarikamis37	OB40Sarikamis37	240.1	37.09 1009.7							844.46								120.8976816	
36 OB40Timber_Butte01	OB40Timber_Butte01	240.2	36.77 1070.7																
37 OB40Tucker Hill11	OB40Tucker Hill11	240.1	37.1 1077.7	962.84	962.24	891.74	868.89	862.26	806.3	794.38	770.44	604.77						141.9337559	
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	121.185385	15.52136473	13.89012859	XRF25A	OB40Obsidian25	1215				21.5	186	15.16	
	0.71858321	3.733987258	13.61024069	XRF26A	OB40Obsidian26	434				7.7	104	26.05	r
	997210536	2.195908152	12.91757572	XRF27A	OB40Obsidian27	410				9.6	108	64.34	
	7.3973343 3.33497133	6.891512274	12.85391445	XRF28A	OB40Obsidian28	414				16.2	150	7.95	-
-		2.589358275	13.36779494	XRF29A	OB40Obsidian29	308				6.9	92	34.85	
	1.65663197	11.29559241	14.31515802	XRF30A	OB40Obsidian30	1113				18.7	198	6.42	
	336751533	5.72162226	13.41958908 13.41993851	XRF31A	OB40Obsidian31	448				16.4	144 148	9.81	
	46.828652	4.936821693 3.402888777	13.55305303	XRF32A XRF33A	OB400bsidian32 OB400bsidian33	255				14.4 35.8	278	4.95 37.86	
	2.99986313	5.636515081	13.4101284	XRF34A	OB40Obsidian34	365				17.4	278	10.92	
	5.04122617	3.436386559	13.7918465	XRF35A	OB40Obsidian35	546				14.9	104	402.63	
	7.76681771	4.882906403	13.48972178	XRF36A	OB400bsidian36	538				23.7	196	23.45	r
	10.2324154	2.749703618	13.57817656	XRF37A	OB40Obsidian37	351				16.4	131	25.43	
	392101687	2.073039651	13.41225572		OB40Obsidian38	670				3.8	74	171.67	
-	.38528863	1.824739612	13.35330343	XRF39A	OB40Obsidian39	309				6.9	76	142.46	
	5.5687854	3.618787216	13.26321346	XRF40A	OB400bsidian40	886				11.5	215	200	
	5.5687854	3.618787216	13.26321346	XRF40A	Test	519	4255	5 27	7 15	7.6	<		
	ZrKa1	NbKa1	RhKa1	GL2		MnKa1	FeKa1	ZnKa1	GaKa1	ThLa1	RbKa1 S	GrKa1	
_	182091039	4.818946085	13.17009158	XRF1A	OB400bsidian01	0.0755				0.0012	0.0172	0.0018	
	558640436	2.167974226	13.62144512	XBF2A	OB40Obsidian02	0.0519				0.0008	0.0091	0.0062	
	.25526998	1.980094648	13.49225327	XRF3A	OB40Obsidian03	0.0328				0.0008	0.0094	0.0068	
	8.7455232	3.426984981	13.76834251	XRF4A	OB40Obsidian04	0.1634				0.0006	0.0059	0.0008	0.001
	.05906049	1.308148719	13.64624604	XRF5A	OB40Obsidian05	0.0592	0.8583			0.0001	0.0032	0.0236	0.003
3	0.4470623	33.20705248	13.2016189	XRF6A	OB40Obsidian06	0.0297	1.1669	0.0253	8 0.0032	0.0019	0.0273	0.0000	0.020
1	11.38161102	3.315942873	12.88138661	XRF7A	OB40Obsidian07	0.0357	0.777	8 0.0043	0.0019	0.0019	0.0179	0.0019	0.002
20	.60894968	27.5366107	12.77333752	XRF8A	OB40Obsidian08	0.0441	0.720	0.0134	0.0026	0.0043	0.0361	0.0007	0.008
13	3.27473215	2.148672708	13.5061849	XRF9A	OB40Obsidian09	0.0250	0.757	3 0.0032	0.0015	0.0009	0.0113	0.0118	0.002
21	.28448266	2.530419327	13.11527952	XRF10A	OB40Obsidian10	0.0279	0.927	8 0.0033	8 0.0021	0.0015	0.0145	0.0140	0.00
7.4	498798936	2.362023058	12.94544735	XRF11A	OB40Obsidian11	0.0521	0.4674	4 0.003	1 0.0018	0.0008	0.0098	0.0047	0.002
2	21.2544553	2.177399488	13.6924505	XRF12A	OB40Obsidian12	0.0264	1.0410	0.0034	0.0018	0.0015	0.0141	0.0093	0.002
	3.70241803	2.27235245	13.59558816	XRF13A	OB40Obsidian13	0.0269				0.0013	0.0135	0.0080	0.002
12	.32973388	2.030619351	13.43484729	XRF14A	OB40Obsidian14	0.0537	1.0825	5 0.0052	2 0.0019	0.0007	0.0081	0.0180	0.00
	6.45175882	7.070168794	13.29251062	XRF15A	OB40Obsidian15	0.0458	1.719		6 0.0021	0.0008	0.0098	0.0007	0.007

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24 UB40La_Joya16 23 OB40KES_362_17	376.0142573 13430.61386 674.6722446 106.1941047	CalProcess' ir				
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28 OB40Mule_Creek19	120.732575 1717.256063 145.3132974 78.5553766					
4 OB40Basaltic_Plateau20	242.3811926 14804.93455 195.7341872 52.69267368					
25 OB40McDaniel_Tank21	167.4446287 2415.746979 143.1322698 67.74661929	e 'Add-Ins' tab				
8 OB40Cannonball1_22	132.4396603 5645.142416 340.4487463 109.7494813	2 AUU-1118 170				
41 OB40Witham_Creek23	170.0646603 6146.100106 301.5378565 32.31305023					
15 OB40EI_Paraiso24	97.74625587 4693.158637 346.3867325 117.8461047					
38 OB40VNN-2_25	268.698661 11141.36642 336.6275121 77.51756491					
11 OB40Chickahominy26	118.9474368 2732.016844 166.42638 66.55315906 120.6271603 1304.070421 99.17649025 75.51867368					
13 OB40Davis_Creek27						
10 OB40Cerro_del_Medio28	130.6828198 1816.51679 167.8864765 73.90115906 152	2517020 7CC 5C0C/52 1700 C1 221 0000777 1710 01015				
12 OB40Cougar_Mountain29 30 OB40Pachuca30	114.045075 1980.634656 170.7902698 63.60313392 93.33553902 801.6531938 422.9 219.4436926 3702.90699 313.8016912 98.52375321 149.8111464 1595.57393 97.96	9517828 766.5606452 1709.61 331.9686777 1713.81815 6816641 1503.944461 11428.36846 1363.773349 1728.340604				
30 DB40Pachuca30 32 DB40Polvadera31		242275 491.3836545 849.6316455 767.1551126 1799.298504				
34 OB40ForVaderasi 34 OB40San_Leonel32		442273 431.3338043 643.6316433 767.101126 1733.238004 1726657 840.3102377 5802.069983 611.6722078 1662.730381				
42 OB402acualtipan33	99.01771323 2428.980026 135.5184902 94.2958076 234.2563475 2256.003025 418.24					
31 OB40Paredon34		2287776 801.9543846 2829.934325 726.6595243 1728.833753				
3 OB40Archibarca35		532174 447.8318676 1888.726771 431.5070602 1731.842166				
26 OB40Meydan_Tepe36		2490663 938.1082046 3563.593385 626.6722078 1731.270893				
35 OB40Sarikamis37		6757216 509.5836545 1350.474185 362.9058835 1792.047743				
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2	4 OB40Basaltic_Plateau20	242.3811926	14804.93455	195.7341872			100 373893		158 9180475	965 7110342	150 4301476								
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5	41 OB40Witham_Creek23	170.0646603	6148.100106	301.5978565	92.31305029	185.170	007	liat			~	hamista	liat	highl	ווצו			]	<b>C</b> 5
6	15 OB40EI_Paraiso24	97.74625587	4693.158637	346.3867325	117.8461047	218.352	PDZ	List				hemistry		I	. U.				$\mathbf{C}\mathbf{C}$
7	38 OB40VNN-2_25	268.698661	11141.36642	336.6275121	77.51756491	136.785	Test			Add			Butte01 🔥	Ŭ	U				
3	11 OB40Chickahominy26	118.9474368	2732.016844	166.42638	66.55315906	109.894						0Guadalup						•	
9	13 OB40Davis_Creek27	120.6271603	1304.070421	99.17649025	75.51867368	104.166						0Glass_Bu		you ar	r A	ρm	וחר	/In	$\mathbf{O}$
)	10 OB40Cerro_del_Medio28	130.6828198	1816.51679	167.8864765	73.90115906	152.004						0Blue_Mo					IU V		וא י
1	12 OB40Cougar_Mountain29	114.045075	1980.634656	170.7902698	63.60313392	93.3355				Unselect		0West_Ne							U
2	30 OB40Pachuca30	219.4436926	3702.90699	313.8016912	98.52375321	149.811						0Big_Sout			Ι.				
3	32 OB40Polvadera31	126.9611176	888.5188283	134.4272974	77.71102514	158.2068						0Mono_Cr			din		fh c	$\mathbf{n}$	
4	34 OB40San_Leonel32	119.0929581	2954.128029	218.3420356	82.45256491	134.4668				Remove		0RS_Hill08			din	V I		-111	-
5	42 OB40Zacualtipan33	99.01771323	2428.980026	135.5184902	94.2958076	234.256						0Whitewat				'ה י			•
6	31 OB40Paredon34	128.7599368	2091.421883	152.4213663	84.57151052	135.531						0Casa_Dia				$\mathbf{C}$			
7	3 OB40Archibarca35	138.654522	2043.512884	171.500256	79.36302514	124.376					OB4	0Tucker_H	lill11 💙						
3	26 OB40Meydan_Tepe36	163.3137243	2339.091341	154.1254214	88.02121345	176.2690													
Э	35 OB40Sarikamis37	120.8976816	1335.194967	111.65438	75.10567368	139.071					GL1		-						
)	19 OB40Gregory_Creek38	155.6271603	1548.040606	137.4674214	47.51756491	92.166					Jaci		•			_			
1	29 OB40Obsidian_Cliffs39	110.0245537	1753.272108	134.5764076	65.12402514	93.07551			1				1						
2	16 OB40EI_Peceno40	191.3771603	1517.706559	182.7971183		120.0514843	1791.271142	2686.865196	469.2110526	1973.9663	458.8260311	1681.642835							
3	41 Test	187.653586	929.2916464	166.3753111	72.62656491	129.2658085	1469.267741	201.1293719	745.5795883	818.9106895	638.3416932	1744.576181							
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-	36 OB40Timber_Butte01	187.653586	929.2916464	166.3753111	72.62656491	129.2658085	1469.267741	201.1293719	745.5795883	818.9106895	638.3416932	1744.576181							
7	20 OB40Guadalupe_Victoria02	151.3078198	1090.489603	115.9384627				646.6902378			284.2647806	1786.043885							
	17 OD 1001 D. 11 02	111.2443838	1569.482197	99.33562802	74.86556491	107.3685117	868.9843008	741.4344654	461.5898345	1458.063949	256.5113612	1747.85395							
	17 OB40Glass_Buttes03	318.261161	6937.224523	256.3529805	82.1658076	67.91384956	428.1765149	75.05696097	859.2638965	4378.244121	387.2493029	1555.822704							
	6 OB40Blue_Mountain04		2161.845023	132.2914076	55.48815906	60.70391794	321.7174169	1847.269525	459.2193464	1976.426394	171.6879786	1791.001562							
		155.1125434	2101.043023				2202 422002	74 55696097	2697.067381	3731.13525	4069.358247	1617.792389							
	6 OB40Blue_Mountain04		2900.40012	371.6243192	116.8534017	194.2493886	2203.422302	14.0000001	2001.001.001										
	6 OB40Blue_Mountain04 39 OB40West_New_Britain1_05	127.7042772			116.8534017 94.15740175		1508.138438				415.9187146	1615.712323							
7 3 3 3 1 2 3	6 DB40Blue_Mountain04 39 DB40West_New_Britain1_05 5 DB40Big_Southern_Butte06	127.7042772 109.0304581	2900.40012	147.7214076	94.15740175		1508.138438	112.8224109	623.324792										
7 3 3 3 3 1 2 3	6 OB40Blue_Mountain04 39 OB40West_New_Britain1_05 5 OB40Big_Southern_Butte06 27 OB40Mono_Craters07	127.7042772 109.0304581 124.654522	2900.40012 1849.634882	147.7214076 242.7382836	94.15740175 137.4503474	147.2537812	1508.138438 3055.298679	112.8224109 87.22877761	623.324792 1484.862347	1427.59547 2660.306269		1648.846273							

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28	OB40Mule_Creek19	120.732575	1717.256063	145.3132974	78.5553766	195.8714159	1923.6686	.9314941	821.3964983	1464.020423	547.4727223	1723.061942									
4	OB40Basaltic_Plateau20	242.3811926	14804.93455	195.7341872	52.69267368	37.39128319	100.3738	901 867997	158 9180475	965 7110342	150 4301476	1251 185788									
25	OB40McDaniel_Tank21	167.4446287	2415.746979	143.1322698	67.74661929	153.720		٨d	d/Pom		mistry fi	loc	×								
8	OB40Cannonball1_22	132.4396603	5645.142416	340.4487463	109.7494813	228.706		Au	u/item	ve che	initstry ii	les									
41	OB40Witham_Creek23	170.0646603	6148.100106	301.5978565	92.31305029	185.170	POZL	ict			C	hemistry l	ict								
15	OB40EI_Paraiso24	97.74625587	4693.158637	346.3867325	117.8461047	218.352	FUZ L	_151				-		-							
	OB40VNN-2_25	268.698661	11141.36642	336.6275121		136.785	Test			Add		OTimber_B	· ·								
	OB40Chickahominy26	118.9474368	2732.016844	166.42638		109.894						)Guadalup									
	OB40Davis_Creek27	120.6271603	1304.070421		75.51867368	104.166						)Glass_Bu									
	OB40Cerro_del_Medio28	130.6828198	1816.51679	167.8864765		152.004				Unselect		0Blue_Mou									
	OB40Cougar_Mountain29	114.045075	1980.634656	170.7902698		93.3355				Unselect		0West_Nev 0Big_Soutl									
	OB40Pachuca30	219.4436926	3702.90699		98.52375321	149.811						0Mono_Cra									
	OB40Polvadera31 OB40San_Leonel32	126.9611176 119.0929581	888.5188283 2954.128029	134.4272974 218.3420356		158.2068						0RS_Hill08									
	OB40Zacualtipan33	99.01771323		135.5184902		234.256				Remove		0Whitewate									
	OB40Paredon34	128.7599368	2091.421883	152.4213663		135.531						OCasa_Dia									
	OB40Archibarca35	138.654522		171.500256		124.376						)Tucker_H									
	OB40Meydan_Tepe36	163.3137243		154.1254214		176.2690					,	_									
	OB40Sarikamis37	120.8976816	1335.194967		75.10567368	139.071								1							
	OB40Gregory_Creek38	155.6271603	1548.040606	137.4674214		92.166					GL1		•								
29	OB40Obsidian_Cliffs39	110.0245537	1753.272108	134.5764076	65.12402514	93.07551												1			
16	OB40EI_Peceno40	191.3771603	1517.706559	182.7971183	89.62656491	120.0514843	1791.271142	2686.865196	469.2110526	1973.9663	458.8260311	1681.642835									
41	Test	187.653586	929.2916464	166.3753111	72.62656491	129.2658085	1469.267741	201.1293719	745.5795883	818.9106895	638.3416932	1744.576181									
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olumn ref.	Raw Data	MnKa1	FeKa1	ZnKa1	GaKa1	ThLa1	RbKa1	SrKa1	Y Ka1	ZrKa1	NbKa1	RhKa1		BLANK			MnKa1	FeKa1	ZnKa1	GaKa1	ThLa1
36	OB40Timber_Butte01	187.653586	929.2916464	166.3753111	72.62656491	129.2658085	1469.267741	201.1293719	745.5795883	818.9106895	638.3416932	1744.576181									
	OB40Guadalupe_Victoria02	151.3078198	1090.489603	115.9384627	88.96726783	101.122498			341.4887776		284.2647806	1786.043885									
	OB40Glass_Buttes03				74.86556491	107.3685117															
	OB40Blue_Mountain04		6937.224523	256.3529805				75.05696097			387.2493029										
	OB40West_New_Britain1_05		2161.845023		55.48815906	60.70391794			459.2193464			1791.001562									
	OB40Big_Southern_Butte06		2900.40012		116.8534017		2203.422902		2697.067381		4069.358247										
	OB40Mono_Craters07		1849.634882		94.15740175	147.2537812		112.8224109				1615.712323 1648.846273									
	OB40RS_Hill08 OB40Whitewater_Ridge09	124.654522	1818.841654 1821.295927		137.4503474 77.45367368		3055.298679			2660.306269	3554.563392 272.7847437										-
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9	40 OB40Whitewater_Ridge09	111.4747985				96.2974	OB40Big_	Southern_B	Butte	Add	OB4	0Timber_Butte01 📈									
10	9 OB40Casa_Diablo10	98.7384794	2159.003613	127.99638	81.82997076	125.8808	OB40Glas	s_Buttes03	3.	Aug	J OB4	0Guadalupe_Victo									
11	37 OB40Tucker_Hill11	141.9337559	1130.896012	140.4883938	72.12291637	97.8624					OB4	0Blue_Mountain04									
12	14 OB40East_Medicine_lake12	113.7590007	2396.71366	108.4204489	68.43421345	124.1148					1 OB4	0West_New_Brita									
13	18 OB40Grasshopper_Flat13	118.606639	2281.204615	5 141.0064076	81.12291637	108.187				Unselect	OB4	0Mono_Craters07									
14	21 OB40Inman_Creek14	153.0002882	2691.837979	159.1992974	80.69267368	84.85486					- OB4	0RS_Hill08									
15	7 OB40Burns_Green15	118.4455647	4323.76786	224.0620494	79.48705029	97.012						0Whitewater_Ridg									
16	24 OB40La_Joya16	173.5208095	4623.003455	238.6539392	77.61440175	137.622				Remove		0Casa_Diablo10									
17	23 OB40KES_362_17	376.0142573	13430.61386	674.6722446	106.1941047	352.653			l		-	0Tucker_Hill11									
18	22 OB40KES_276_18	218.0403948	5315.435506	228.1249805	99.24805029	186.131						0East_Medicine_la									
19	28 OB40Mule_Creek19	120.732575	1717.256063	145.3132974	78.5553766	195.871					OB4	0Grasshopper_Fla 🔪	·								
20	4 OB40Basaltic_Plateau20	242.3811926	14804.93455	5 195.7341872	52.69267368	37.3912															_
21	25 OB40McDaniel_Tank21	167.4446287	2415.746979	143.1322698	67.74661929	153.7204					GL1	•									
22 23	8 OB40Cannonball1_22	132.4396603	5645.142416	340.4487463	109.7494813	228.706					Jaci	-									
	41 OB40Witham_Creek23	170.0646603																			
24	15 OB40EI_Paraiso24	97.74625587					1735.986757	75.70271649	2177.749172	13973.6281	996.8987165	1571.954712									
25	38 OB40VNN-2_25	268.698661		336.6275121	77.51756491	136.7851327	1295.269914	133.9942275	1386.996982	12297.89287	1575.108093	1409.57025									
26	11 OB40Chickahominy26	118.9474368		166.42638	66.55315906	109.8941875	842.4481118	264.8166384	/68.9438965	3788.522867	460.5126485	1678.550984									
27	13 OB40Davis_Creek27	120.6271603			75.51867368			653.950849	412.3604032			1716.099935									
28	10 OB40Cerro_del_Medio28	130.6828198								2263.306206		1672.23									
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31 32 33 34 35 36 37 38	31 OB40Paredon34		2091.421883							2829.934325											
35	3 OB40Archibarca35		2043.512884		79.36302514					1888.726771											
36	26 OB40Meydan_Tepe36		2339.091341		88.02121345					3563.593385											
37	35 OB40Sarikamis37		1335.194967		75.10567368					1350.474185											
38	19 OB40Gregory_Creek38		1548.040606		47.51756491		611.4354078				260.8091184										
39	29 OB40Obsidian_Cliffs39		1753.272108							1477.582758											$\bullet$
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	9 OB40Casa_Diablo10	98.7384794	2159.003613	127.99638	81.82997076	125.8808	OB40Glas	s_Buttes0	3 .			0Guadalup							
	37 OB40Tucker_Hill11	141.9337559	1130.896012	140.4883938	72.12291637	97.8624						0Blue_Mo							
	14 OB40East_Medicine_lake12	113.7590007	2396.71366	108.4204489	68.43421345	124.1148						0West_Ne							
	18 OB40Grasshopper_Flat13	118.606639	2281.204615	141.0064076	81.12291637	108.187				Unselect		0Mono_Cr							
	21 OB40Inman_Creek14	153.0002882	2691.837979	159.1992974	80.69267368	84.85486			-			0RS_Hill0							
	7 OB40Burns_Green15	118.4455647	4323.76786	224.0620494	79.48705029	97.012						0Whitewat							
	24 OB40La_Joya16	173.5208095	4623.003455	238.6539392	77.61440175	137.622				Remove		0Casa_Dia							
	23 OB40KES_362_17	376.0142573	13430.61386	674.6722446	106.1941047	352.653						0Tucker_H							
	22 OB40KES_276_18	218.0403948	5315.435506	228.1249805	99.24805029	186.131						0East_Me							
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	4 OB40Basaltic_Plateau20	242.3811926		195.7341872															
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	15 OB40EI_Paraiso24	97.74625587		346.3867325	117.8461047	218.3520917	1735.986757	75.70271649	2177.749172	13973.6281	996.89 GLZ								
	38 OB40VNN-2_25	268.698661					1295.269914	133.9942275	1386.996982	12297.89287	1575.108093	1409.57025							
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	13 OB40Davis_Creek27	120.6271603		99.17649025	75.51867368		955.7129068	653.950849	412.3604032	1328.12942	291.7263981	1716.099935							
	10 OB40Cerro_del_Medio28	130.6828198		170,7000000	73.90115906		1249.424135		759.9669058	2263.306206	896.5512893	1672.23							
	12 OB40Cougar_Mountain29	114.045075					801.6531938		766.5606452	1709.61	331.9686777	1713.81815							
	30 DB40Pachuca30		3702.90699		98.52375321		1595.57393		1503.944461	11428.36846 949.6316455		1728.340604							
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	3 OB40Archibarca35		2031.421003			124.3761464		2905.532174		1888.726771									
	26 OB40Meydan_Tepe36		2339.091341			176.2690507		225.2490663		3563.593385									
	35 OB40Sarikamis37		1335.194967		75.10567368				509.5836545		362.9058835								
	19 OB40Gregory_Creek38	155.6271603			47.51756491					1055.810313									
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		173.5208095	4623.003455	238.6539392	77.6144017									
	Add-in <u>V</u> ersion	376.0142573	13430.61386	674.6722446	106.1941047	352.6539823	2748.456424	167.7490663	3697.512738	29071.48294	6310.997922	1322.293019		
18	22 UB40NE5_276_18	218.0403948	5315.435506	228.1249805	99.24805029	186.1314159	1555.842126	557.3466045		12386.74757	3457.700672			
19	28 OB40Mule_Creek19	120.732575	1717.256063	145.3132974	78.5553766	195.8714159	1923.66864	154.9314941		1464.020423		1723.061942		
20	4 OB40Basaltic_Plateau20	242.3811926	14804.93455	195.7341872	52.69267368	37.39128319	100.373893	1901.867997	158.9180475	965.7110342		1251.185788		
21	25 OB40McDaniel_Tank21	167.4446287	2415.746979	143.1322698	67.74661929	153.7204706	1155.376062	1715.290747		3682.344435	675.828899	1668.19395		
22 23	8 OB40Cannonball1_22	132.4396603 170.0646603	5645.142416 6148.100106	340.4487463 301.5978565	109.7494813 92.31305029	228.7066171 185.1707401	2551.811098 1529.10393	94.62453313 101.5463498		12808.04545 13015.09221	1715.133682 1315.68346	1522.976588 1515.201142		
23	41 OB40Witham_Creek23 15 OB40EI_Paraiso24	97.74625587	4693.158637	346.3867325	117.8461047	218.3520917	1735.986757	75.70271649		13973.6281	996.8987165	1571.954712		
25	38 OB40VNN-2 25	268.698661	11141.36642	336.6275121	77.51756491	136.7851327	1295.269914	133.9942275		12297.89287	1575.108093	1409.57025		
26	11 OB40Chickahominy26	118.9474368	2732.016844	166.42638	66.55315906	109.8941875	842.4481118	264.8166384		3788.522867	460.5126485	1678.550984		
27	13 OB40Davis_Creek27	120.6271603	1304.070421	99.17649025	75.51867368	104.1662148	955.7129068	653.950849	412.3604032	1328.12942	291.7263981	1716.099935		
28	10 OB40Cerro_del_Medio28	130.6828198	1816.51679	167.8864765	73.90115906	152.0045253	1249.424135	91.71816641	759.9669058	2263.306206	896.5512893	1672.23		
29	12 OB40Cougar_Mountain29	114.045075	1980.634656	170.7902698	63.60313392	93.33553902	801.6531938	422.9517828	766.5606452	1709.61	331.9686777	1713.81815		
30	30 OB40Pachuca30	219.4436926	3702.90699	313.8016912	98.52375321	149.8111464	1595.57393	97.96816641	1503.944461	11428.36846	1363.773349	1728.340604		
31	32 OB40Polvadera31	126.9611176	888.5188283	134.4272974	77.71102514	158.2068222	1225.256923	109.7442275	491.3836545	849.6316455	767.1551126	1799.298504		
32	34 OB40San_Leonel32	119.0929581	2954.128029	218.3420356	82.45256491	134.4668222	1200.900611	60.93726657		5802.069983	611.6722078			
33	42 OB40Zacualtipan33	99.01771323		135.5184902	94.2958076	234.2563475	2256.003025	418.2432938		2810.468275				
34	31 OB40Paredon34	128.7599368	2091.421883	152.4213663	84.57151052	135.5314843	1319.474709	129.2287776			726.6595243			
35	3 OB40Archibarca35	138.654522		171.500256	79.36302514	124.3761464	981.4072917	2905.532174		1888.726771				
36	26 OB40Meydan_Tepe36	163.3137243	2339.091341	154.1254214	88.02121345	176.2690507	1587.946511	225.2490663		3563.593385				
37	35 OB40Sarikamis37	120.8976816	1335.194967	111.65438	75.10567368	139.0711464	1116.93098	200.0/0/2/b	509.5836545	1350.474185	362.9058835	1792.047743		

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3												1.416627683 1.153964459	/	0.004210493	0.548269844	0.975848779	11.09174303 C 4054C005		5.628502535	6.182091039	4.818946085	13.17009158	
5								Pro-							X	0.771221004	6.707972525	4.932048794 5.72337385	2.604398853 3.563162102	7.558640436	2.167974226 1.980094648	13.62144512 13.49225327	
6										Add/Ren	nove C	ner	y Eleme	ents		0.601007518	3.789172698	0.664220894	7.604105278		3.426984981	13.76834251	
7										+ List	/		Elc-	nents Use	d	0.462523661	2.451273701	14.07497067	3.498947361	15.05906049	1.308148719	13.64624604	
8								P	DZ Elemen	it List				nents Use	ed	1.585127003	17.98052064	0.608404757	22.00879172	30.4470623	33.20705248	13.2016189	
9								M	lqKa1	~		Add	MnKa1			1.173991718	12.02374582	0.899485059	4.969503245	11.38161102	3.315942873	12.88138661	
10									lKa1		_		FeKa1			2.367300373	23.66889011	0.675746815	11.50298135	20.60894968	27.5366107	12.77333752	
11									iKa1				ZnKa1			0.758516781	7.370980141	6.800984722	3.562807103	13.27473215	2.148672708	13.5061849	
12									' Ka1 'rLa1		Lir	nselect	GaKa1 ThLa1			1.01824774	9.277546756	9.060422544	3.596822261	21.28448266	2.530419327	13.11527952	_
13									bLa1			1361601	RbKa1			0.746984948	6.900530973	3.84805188	3.430805545		2.362023058	12.94544735	_
14									ioLai				SrKa1			0.984882267	9.025001204	5.704348948 5.8314994	4.124111124 4.285851425	21.2544553 19.70241803	2.177399488 2.27235245	13.6924505 13.59558816	
16									Ka1			1	Y Ka1			0.872758633	5.654634673	10.97428698	2.671733973	12.32973388	2.030619351	13.43484729	_
17									loLb1		R	emove	ZrKa1			0.815057006	6.925130735	0.698727529		66.45175882	7.070168794	13.29251062	
18									.gLa1	$\sim$			NbKa1			1.150254169	10.44591031	0.594551752		77.72216787	8.231353563	13.42253796	
19													RhKa1			3.922081769	30.56727381	1.865640508	41.1223126	323.3218366	70.18848826	14.70603368	
20																1.706062474	14.26069776	5.108584826	10.8276422	113.5357247	31.69294841	14.33829652	
21													GL1		•	1.514216041	14.87123529	1.197723274	6.349940074	11.31784951	4.232327489	13.32041237	
22								_					Jan 1		•	0.414399681	1.11242262		1.761255099	10.70277108	1.667185499	13.86662737	
23																1.229321209	9.239682208	13.71738772	5.537952314	29.44815414	5.404685505	13.34074893	
24											B40Canno	1.173226383	50.00790553	3.015890032	0.972223779	2.026014236	22.6054046	0.838238323	14.2476928	113.4610041	15.19363672	13.49139911	
25 26												1.508400907 0.848933958	54.53102228 40.76045269	2.675044184	0.818/7/332	1.642385384	13.56249882 15.07718218	0.900672755	11.82154483 18.91392368	115.4383095 121.3620644	11.6695504	13.43918703 13.65255091	
26 27											-	2.647799182	40.76045368 109.7887901	3.008396148	1.023502733	1.347902372	12.76379497	1.32040035	13.66768804	121.3620644	8.658144142 15.52136473	13.89012859	
28												0.964464743		1.349439553	0.539634793	0.891058035	6.830844983	2.147219966	6.234848751	30.71858321	3.733987258	13.61024069	
29												0.907995185		0.746529848	0.568450686					9.997210536	2.195908152	12.91757572	
30										0	B40Cerro_	1.004518389	13.96300235	1.290491383	0.568055337	1.16841174	9.60393662	0.705009158	5.841630392	17.3973343	6.891512274	12.85391445	
31										O	B40Couga	0.889552474	15.44896577	1.332165437	0.496104941	0.728017932	6.252901164	3.299027204	5.979179012	13.33497133	2.589358275	13.36779494	
32										O	B40Pachu	1.817564854	30.6697063	2.599094638						94.65663197	11.29559241	14.31515802	
33													6.626781237				9.138252705		3.664854225		5.72162226	13.41958908	
34													23.84284124							46.828652	4.936821693	13.41993851	
35 26													19.87790029		0.771683028			3.422752926		22.99986313	3.402888777	13.55305303	
30 31 32 33 34 35 36 37 38											B40Paredo B40Archib		16.22263328 16.27389411		0.655999926	1.05128362 0.990492525	10.2348333 7.815619111	23.13874471	6.220558366	21.95108847 15.04122617	5.636515081 3.436386559	13.4101284 13.7918465	
38											B40Meyda					1.373453722					4.882906403	13.48972178	
39											-	0.91603032				1.053728947				10.2324154	2.749703618	13.57817656	
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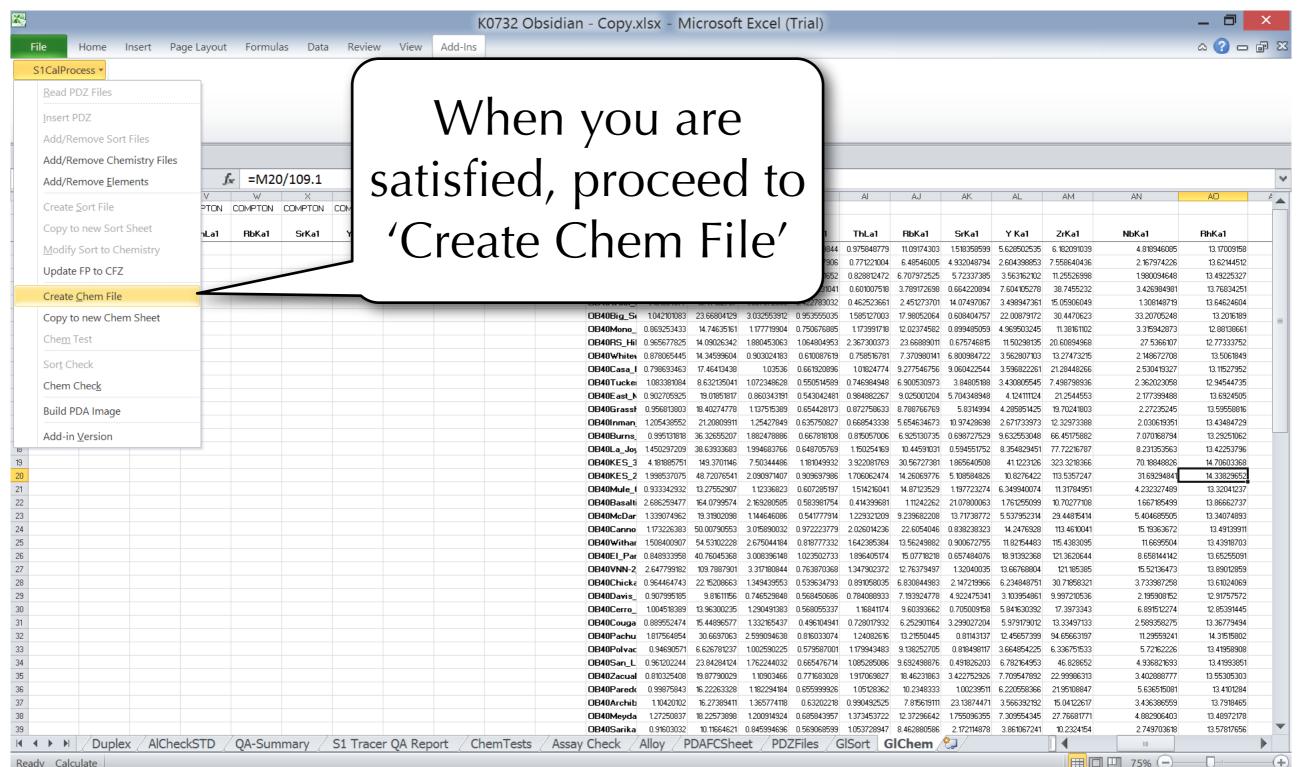
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15 16 17 18 19 20 21 22 23 24 25									MoLa1 S Ka1 MoLb1 AgLa1		OB40Canno OB40Withar		Y Ka1 ZrKa1 NbKa1 RhKa1 GL1 GL1 50 GL2	2.675044184	79	0.872758533 0.668543338 0.815057006 1.150254169 3.922081769 1.706062474 1.514216041 0.414399681 1.229321209 2.026014236 1.642385384	6.925130735 10.44591031 30.56727381 14.26069776 14.87123529 1.11242262	0.698727529 0.594551752 1.865640508 5.108584826	9.632553048 8.354829451	19.70241803 12.32973388 66.45175882 77.72216787 323.3218366 113.5357247 11.31784951 10.70277108 29.44815414 113.4610041 115.4383095	2.27235245 2.030619351 7.070168794 8.231353563 70.18848826 31.69294841 4.232327489 1.667185499 5.404685505 15.19363672 11.6695504	13.59558816 13.43484729 13.29251062 13.42253796 14.70603368 14.33829652 13.32041237 13.86662737 13.34074893 13.49139311 13.43918703	
25 26 27 28 29 30 31 32 33 33 34 35 36 37 38											OB40E1_Par OB40VNN-2 OB40Chicka OB40Davis_ OB40Cerro_ OB40Couga OB40Pachu OB40Polvac OB40Polvac	0.848933958 2.647799182 0.964464743 0.907995185 1.004518389 0.889552474 1.817564854 0.94690571 0.961202244	40.76045368 109.7887901 22.15208663 9.81611156 13.96300235 15.44896577 30.6697063 6.626781237 23.84284124	3.008396148 3.317180844 1.349439553 0.746529848 1.290491383 1.332165437 2.599094638 1.002590225 1.762244032	1023502733 0.763870368 0.539634793 0.568450686 0.568055337 0.496104941 0.816033074 0.579587001 0.665476714	1.896405174 1.347902372 0.891058035 0.784088933 1.16841174 0.728017932 1.24082616 1.179943483 1.085285086	15.07718218 12.76379497 6.830844983 7.193924778 9.60393662 6.252901164 13.21550445 9.138252705 9.692498876	0.657484076 1.32040035 2.147219966 4.922475341 0.705009158 3.299027204 0.81143137 0.818498117 0.491826203	18.91392368           13.66768804           6.234848751           3.103954861           5.841630392           5.979179012           12.45657399           3.664854225           6.782164953	121.3620644 121.185385 30.71858321 9.97210536 17.3973343 13.33497133 94.65663197 6.336751533 46.828552	8.658144142 15.52136473 3.733987258 2.195908152 6.891512274 2.589358275 11.29559241 5.72162226 4.936821693	13.65255091 13.89012859 13.61024069 12.91757572 12.85391445 13.36779494 14.31515802 13.41958908 13.41958908 13.41993851	
35       36       37       38       39       I√     ✓	Duple	x / AlChe	eckSTD	QA-Sum	imary /	S1 Trace	r QA Rep	ort /	ChemTests	Assay	OB40Paredo OB40Archib OB40Meyda OB40Sarika	1.27250837 0.91603032	16.22263328 16.27389411 18.22573898 10.11664621	1.182294184 1.365774118 1.200914924 0.845994696	0.63202218 0.685843957 0.569068599	1.05128362 0.990492525 1.373453722 1.053728947	7.815619111 12.37296642 8.462880586	1.00239511 23.13874471 1.755096355 2.172114878	6.220558366 3.566392192 7.309554345	22.99986313 21.95108847 15.04122617 27.76681771 10.2324154	3.402888777 5.636515081 3.436386559 4.882906403 2.749703618	13.55305303 13.4101284 13.7918465 13.48972178 13.57817656	



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9	& Deconvolution exists	B5059 4.969503245 11.38161102	3.315942873 12.88138661	
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14	Compton Energy Range	48948 4.124111124 21.2544553	2.177399488 13.6924505	05
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16	Start (kV) 19.5	28698 2.671733973 12.32973388	2.030619351 13.43484729	
17	OB40Archibarca35.pdz	27529 9.632553048 66.45175882	7.070168794 13.29251062	
18 19	OB40Basaltic_Plateau20.pdz OB40Big_Southern_Butte06.pdz End (kV) 22	51752 8.354829451 77.72216787	8.231353563 13.42253796	
20	OB40Big_Southern_Butte06.pdz 22 OB40Blue_Mountain04.pdz	40508 41.1223126 323.3218366	70.18848826 14.70603368	
	OB40Blue_mountain04.pdz	34826 10.8276422 113.5357247 23274 6.349940074 11.31784951	31.69294841 14.33829652 4.232327489 13.32041237	
22		00063 1.761255099 10.70277108	1.667185499 13.86662737	
21 22 23	OB40Cannonball1_22.pdz Chemistry Intensity OB40Casa_Diablo10.pdz	38772 5.537952314 29.44815414	5.404685505 13.34074893	
24	OB40Cerro_del_Medio28.pdz	38323 14.2476928 113.4610041	15.19363672 13.4913991	
25		72755 11.82154483 115.4383095	11.6695504 13.43918703	_
26		34076 18.91392368 121.3620644	8.658144142 13.65255091	.91
27	DB40YNN-2 2.647799182 109.7887901 3.317180844 0.763870368 1.347902372 12.76379497 1.	1.32040035 13.66768804 121.185385	15.52136473 13.89012859	59
28		2.147219966 6.234848751 30.71858321	3.733987258 13.61024069	69
29		.922475341 3.103954861 9.997210536	2.195908152 12.91757572	
30		.705009158 5.841630392 17.3973343	6.891512274 12.85391445	
31		299027204 5.979179012 13.33497133	2.589358275 13.36779494	
29       30       31       32       33       34       35       36       37		0.81143137 12.45657399 94.65663197	11.29559241 14.31515802	
24		0.818498117 3.664854225 6.336751533 .491826203 6.782164953 46.828652	5.72162226 13.41958908 4.936821693 13.41993851	
35		491826203         6.782164953         46.828652           422752926         7.709547892         22.99986313	4.936821693 13.41993851 3.402888777 13.55305303	
36		1.00239511 6.220558366 21.95108847	5.636515081 13.4101284	
37		23.13874471 3.566392192 15.04122617	3.436386559 13.7918465	
38	DB40Meyda 127250837 18.22573898 1200914924 0.685843957 1.373453722 12.37296642 1.7		4.882906403 13.48972178	
29	<b>DB40Sarika</b> 0.91603032 10.11664621 0.845994696 0.569068599 1.053728947 8.462880586 2.		2.749703618 13.57817656	
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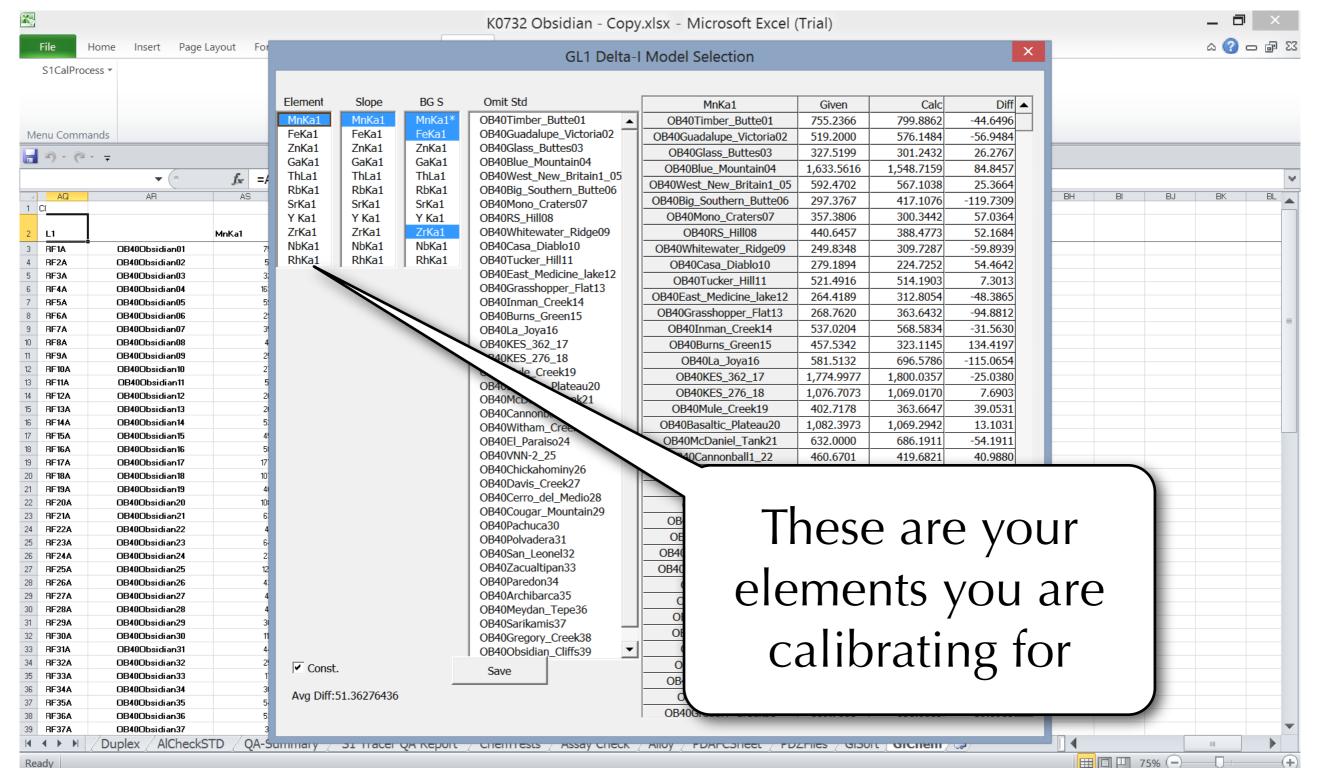
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1         COMPTON         COMP	IN COMPTON COMPTON COMPTON COMPTON		
3	C:[BOOTCAMP]	58599 5.628502535 6.182091039 4.818946085 13.17009158	
27       28         28       29         30       31         31       32         33       34         35       36         36       37         38       39         IM       IM         M       IM         Duplex       AlCheckSTD         Q         Ready       Calculate	'Compton' is the recommended default	109 788       7180844       0.753870368       1347902372       12.76379497       132040035       13.66768804       121185385       15.52136473       13.89012899         1349439553       0.539634733       0.891058035       6.830844983       2.147219966       6.23448751       30.71858221       3.733987258       13.61024069         0.746529844       0.568450686       0.784089333       7.193924778       4.922475341       31.03954861       9.997210536       2.195908152       12.91757572         2235       1290491383       0.568055337       116841174       9.60393662       0.705009158       5.841630392       17.3973343       6.891512274       12.85391445         36577       13.32165437       0.496104941       0.729017932       6.252901164       3.299027204       5.979179012       13.3497133       2.589358275       13.36779494         37063       2.599094638       0.816033074       1.24082616       13.21550445       0.81143137       12.45657339       94.65663197       11.29559241       14.31515802         31237       1002590225       0.579587001       1179943483       9.138252705       0.818498117       3.664854225       6.336751533       5.7216226       13.41958908         34124       1762244032       0.665476714       10.85295088	•

8								K0732 (	Obsidia	n - Copy	.xlsx - Mi	crosoft Exce	el (Trial)							_ 0	×
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2	FeKa1	ZnKa1	GaKa1	ThLa1	RbKa1	SrKa1				Create (	Chemistry	files				a1	Y Ka1	ZrKa1	NbKa1	RhKa1	
3							1									5859	9 5.628502535	6.182091039	4.818946085	13.17009158	
4 5 7 8 9 10							C: [BOOTCA	MP]			•	Chemist	ry Name			4879	4 2.604398853	7.558640436	2.167974226	13.62144512	
5							C:\					GL1 *	<b>•</b>		Cancel	3738	5 3.563162102	11.25526998	1.980094648	13.49225327	
6												GE1 ~	•			2089	4 7.604105278	38.7455232	3.426984981	13.76834251	
7							Users									9706			1.308148719	13.64624604	
8												& Deconvolu	tion exists			0475			33.20705248	13.2016189	=
9							Desktop									8505			3.315942873	12.88138661	
							🔄 🛅 Obsidian K					* Cham aglau	lated		ОК	4681		20.60894968	27.5366107	12.77333752	
11							🔄 📇 Obsidian (	Cal Data				* Chem calcu	llated			B472			2.148672708	13.5061849	
12 13																2254		21.28448266	2.530419327	13.11527952	
13																0518		7.498798936	2.362023058	12.94544735	
14												Compte	on Energy Ra	ange		4894			2.177399488	13.6924505	
15																1499		19.70241803	2.27235245	13.59558816	
17							OB40Archibarca	25 ndz				Start (kV)	19.5			2869		12.32973388 66.45175882	2.030619351 7.070168794	13.43484729 13.29251062	
14 15 16 17 18 19 20							OB40Archibarca				^		,			5175		77.72216787	8.231353563	13.42253796	
10								nern_Butte06.pdz				End (kV)	22		·	4050		323.3218366	70.18848826	14.70603368	
20							OB40Blue_Mou						1	Λ		3482			31.69294841	14.33829652	
							OB40Burns_Gre							Λ		2327			4.232327489	13.32041237	<u>+</u>
21							OB40Cannonba							$\Lambda$		2027			1.667185499	13.86662737	
21 22 23 24 25 26							OB40Casa_Diat					Ch	nemistry Inter			3877		29.44815414	5.404685505	13.34074893	
24							OB40Cerro_del_				~	Com	pton	-		3832			15.19363672	13.49139911	
25												]				7275			11.6695504	13.43918703	
26																8407			8.658144142	13.65255091	
27										OB40VNN-	2 2.647799182	109.7887901 3.317180	0.763870368	2372	12.7637949				15.52136473	13.89012859	
28											•	22 15208663 1 349439		8035			6 234848751		3 733987258	13 61024069	

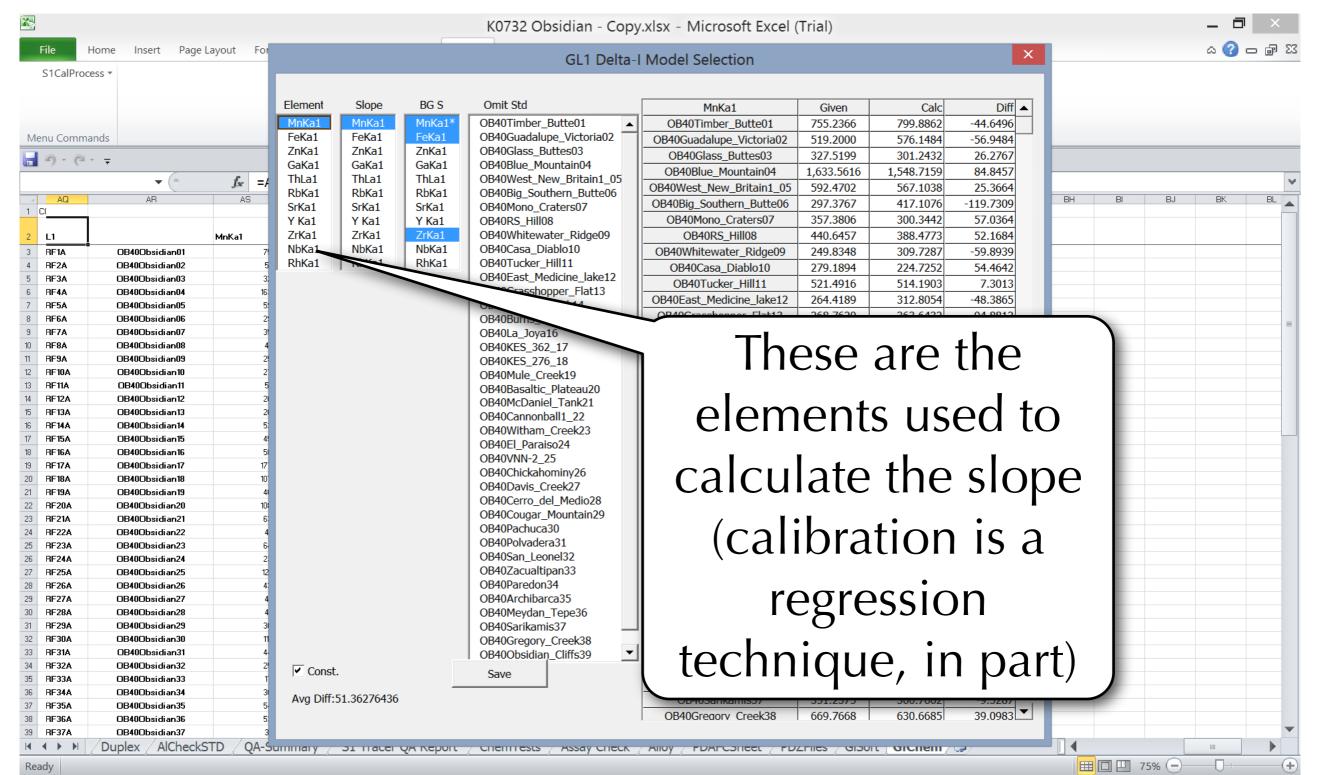
19.5 to 22 keV is the default portion of normalization. If you have very low Niobium, you can use 18.5 to 19.0 keV

8							K0732 Obsidian - Copy.xlsx	x - Mic	crosoft Excel (Trial)						_ 🗖	×
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	S	Т	U	V	W	X		AE	AF AG AH AI	I AJ	AK	AL	AM	AN	AO	4
1 (	COMPTON	COMPTON	COMPTON	COMPTON	COMPTON	COMPTON	COMPTON COMPTON COMPTON									
2	FeKa1	ZnKa1	GaKa1	ThLa1	RbKa1	SrKa1	Create Chen	nistry f	files		a1	Y Ka1	ZrKa1	NbKa1	BhKa1	
3								insu'y i	lies		58599	5.628502535	6.182091039	4.818946085	13.17009158	
							C: [BOOTCAMP]	-	Chemistry Name		48794	2.604398853		2.167974226	13.62144512	
4 5 7 8 9 10									,	Cancel	37385	3.563162102	11.25526998	1.980094648	13.49225327	
6							e la cit		GL1 *	Cancer	20894	7.604105278	38.7455232	3.426984981	13.76834251	
7							🗧 🔁 Users				37067	3.498947361	15.05906049	1.308148719	13.64624604	
8							🗧 🔁 Lee		• Decembration suists		04757	22.00879172	30.4470623	33.20705248	13.2016189	_
9							🔄 🛅 Desktop		& Deconvolution exists		35059	4.969503245	11.38161102	3.315942873	12.88138661	
10										ОК	46815	11.50298135	20.60894968	27.5366107	12.77333752	
11							📇 Obsidian Cal Data		* Chem calculated		B4722	3.562807103	13.27473215	2.148672708	13.5061849	
12 13											22544	3.596822261	21.28448266	2.530419327	13.11527952	
13											05188		7.498798936	2.362023058	12.94544735	
14											48948	4.124111124	21.2544553	2.177399488	13.6924505	
15									Compton Energy Range		14994	4.285851425	19.70241803	2.27235245	13.59558816	
16									Start (kV) 19.5		28698	2.671733973	12.32973388	2.030619351	13.43484729	
17							OB40Archibarca35.pdz	~	5talt (K¥) 19.5		27529	9.632553048	66.45175882	7.070168794	13.29251062	
18							OB40Basaltic_Plateau20.pdz				51752	8.354829451	77.72216787	8.231353563	13.42253796	
19							OB40Big_Southern_Butte06.pdz		End (kV) 22		40508	41.1223126	323.3218366	70.18848826	14.70603368	
14 15 16 17 18 19 20							OB40Blue_Mountain04.pdz		· · · · ·		34826	10.8276422	113.5357247	31.69294841	14.33829652	1
21							OB40Burns_Green15.pdz				23274	6.349940074	11.31784951	4.232327489	13.32041237	
22							OB40Cannonball1_22.pdz		Chemistry Intens		00063	1.761255099	10.70277108	1.667185499	13.86662737	
23							OB40Casa_Diablo10.pdz				38772	5.537952314	29.44815414	5.404685505	13.34074893	
24							OB40Cerro_del_Medio28.pdz	$\sim$	Compton	-	38323	14.2476928	113.4610041	15.19363672	13.49139911	
21 22 23 24 25 26 27											72755	11.82154483	115.4383095	11.6695504	13.43918703	
26											34076	18.91392368	121.3620644	8.658144142	13.65255091	
27							<b>DB40VNN-2</b> 2.64	47799182 1	109.7887901 3.317180844 0.763870368	2372 12.76379497	1.32040035	13.66768804	121.185385	15.52136473	13.89012859	
28							OB40Cbicka 0.964	4464743 2	22 15208663 1 349439553 0 539634793	8035 6.830844983	2 147219966	6 234848751	30 71858321	3 733987258	13,61024069	

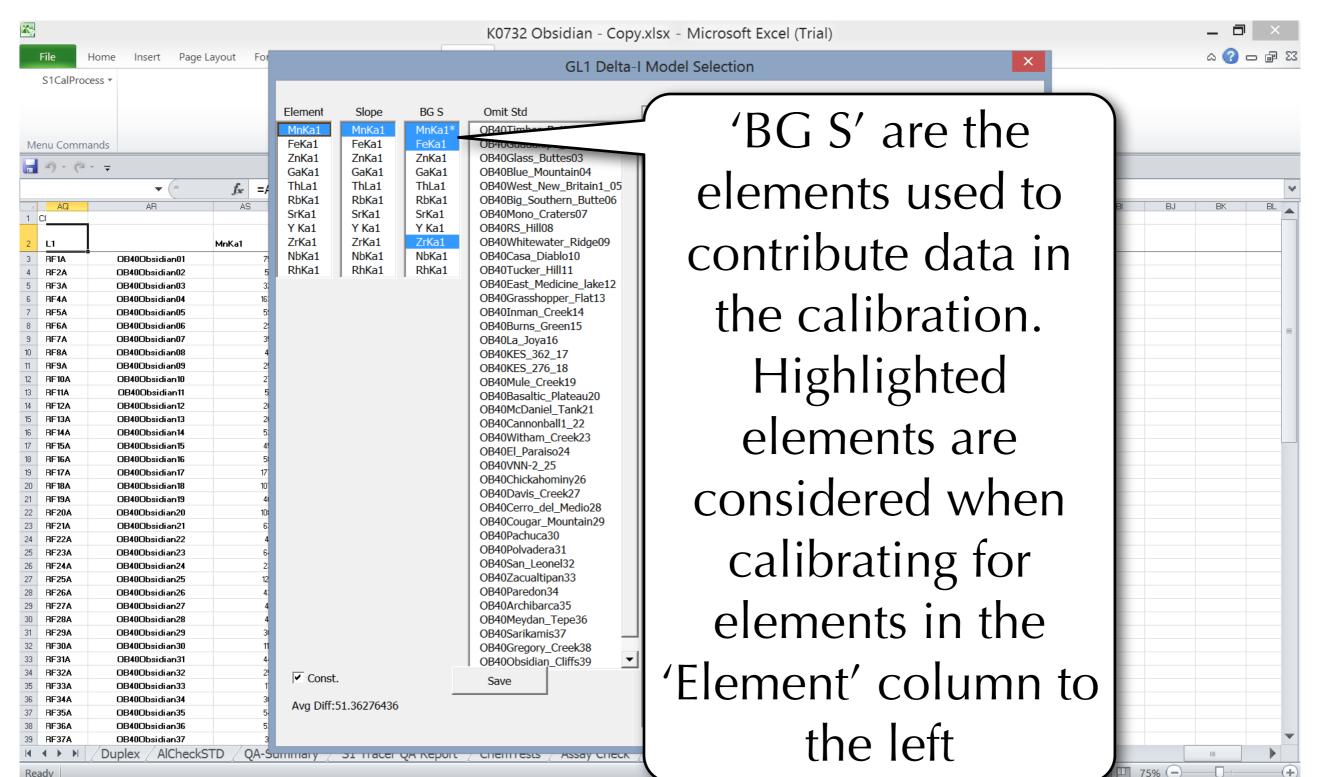
It is important to keep in mind that the Niobium K<sub>beta</sub> peak falls within 18.5 to 19.0 keV in that event



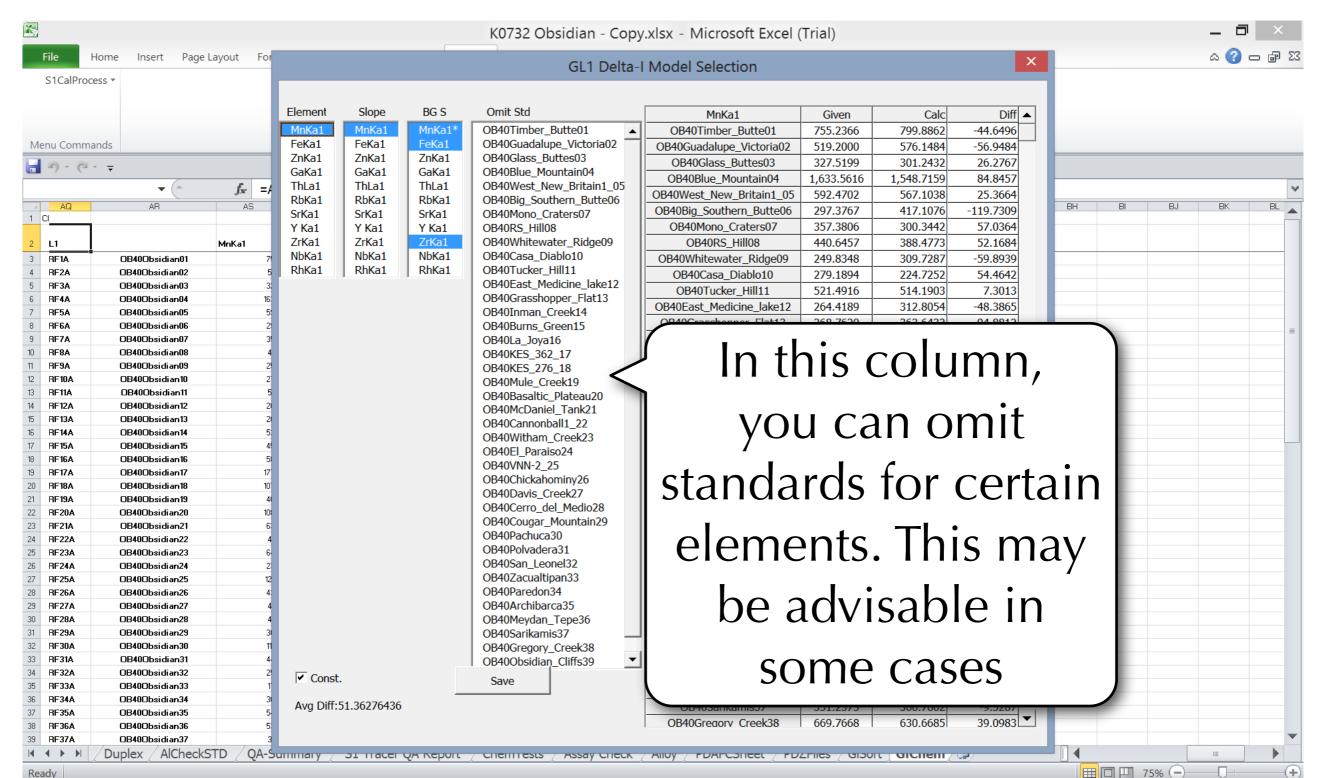














Omit Std

OB40Timber\_Butte01

OB40Guadalupe Victor

OB40Blue Mountain04

MnKa1\*

FeKa1\*

ZnKa1\* GaKa1

ThLa1

RbKa1

SrKa1\*

Y Ka1

NbKa1

RhKa1

K0732 Obsidian - Copy.xlsx - Microsoft Excel (Trial)

OB401

OB40Wes

OB40Big\_

OB40Wh

OB40East

OB400

OB40

OB401

**OB40** 

OB4

OB4

OB40

**OB40** 

OB40Ba

OB40M

0040

OB40N

OB

GL1 Delta-I Model S

#### Press 'CTRL' and select each element

				LICIT	Slope
				MnKa	MnKa1
M	enu Comm	ands		FeKa1	FeKa1
				ZnKa1	ZnKa1
	m) - (a	* <del>*</del>		GaKa1	GaKa1
		▼ (***	fx =/	ThLa1	ThLa1
	AQ	AB	AS	RbKa1	RbKa1
1		AH	AS	SrKa1	SrKa1
	ц			Y Ka1	Y Ka1
2	L1		MnKa1	ZrKa1	ZrKa1
3	BF1A	OB400bsidian01	7!	NbKa1	NbKa1
4	RF2A	OB40Obsidian02	5	RhKa1	RhKa1
5	RF3A	OB40Obsidian03	3:		
6	BF4A	OB40Obsidian04	16:		
7	RF5A	OB40Obsidian05	5		
8	RF6A	OB40Obsidian06	2		
9	BE7A	OB40Obsidian07	3		
10	RF8A	OB40Obsidian08	4		
11	RF9A	OB40Obsidian09	2!		
12	RF10A	OB400bsidian10	2'		
13	RF11A	OB40Obsidian11	5		
14	RF12A	OB400bsidian12	21		
15	RF13A	OB40Obsidian13	21		
16	BF14A	OB40Obsidian14	5:		
17	RF15A	OB40Obsidian15	4!		
18	RF16A	OB40Obsidian16	5		
19	RF17A	OB40Obsidian17	17		
20	RF18A	OB400bsidian18	10		
21	RF19A	OB40Obsidian19	41		
22	RF20A	OB40Obsidian20	10:		
23	RF21A	OB40Obsidian21	6:		
24	RF22A	OB40Obsidian22	4		
25	RF23A	OB40Obsidian23	6-		
26	RF24A	OB40Obsidian24	2:		
27	RF25A	OB40Obsidian25	12		
28	RF26A	OB40Obsidian26	4:		
29	RF27A	OB40Obsidian27	4		
30	RF28A	OB40Obsidian28	4		
31	RF29A	OB40Obsidian29	31		
32	RF30A	OB40Obsidian30	11		
33	RF31A	OB40Obsidian31	4.		
34	RF32A	OB40Obsidian32	2	Const.	
35	RF33A	OB40Obsidian33	1	, Const	
36	RF34A	OB40Obsidian34	31	Avg Diff.	3.24258533
37	RF35A	OB40Obsidian35	5	ring Diff.	
38	RF36A	OB40Obsidian36	5:		
39	RF37A	OB40Obsidian37	3		
	▲ ▶ ▶	/ Duplex / AlCheckS	TD / QA-S	ummary 🧹	SI HACEN

OB40West\_New\_Britain1\_05 OB40Big\_Southern\_Butte06 OB40Mono\_Craters07 OB40RS\_Hill08 OB40Whitewater\_Ridge09 OB40Casa\_Diablo10 OB40Tucker\_Hill11 OB40East\_Medicine\_lake12 OB40Grasshopper Flat13 OB40Inman\_Creek14 OB40Burns\_Green15 OB40La\_Joya16 OB40KES\_362\_17 OB40KES\_276\_18 OB40Mule\_Creek19 OB40Basaltic\_Plateau20 OB40McDaniel\_Tank21 OB40Cannonball1 22 OB40Witham Creek23 **OB40El** Paraiso24 OB40VNN-2 25 OB40Chickahominy26 OB40Davis Creek27 OB40Cerro\_del\_Medio28 OB40Cougar\_Mountain29 OB40Pachuca30 OB40Polvadera31 OB40San Leonel32 OB40Zacualtipan33 OB40Paredon34 OB40Archibarca35 OB40Meydan\_Tepe36 OB40Sarikamis37 OB40Gregory\_Creek38 OB40Obsidian\_Cliffs39 Save ST HACELQA REPORT / CHEMITESIS / ASSAUCHECK / ANOY / EDAFCONECT / EDZENES / GIOULT GICHEMI / Ca

As you so, an asterisk (\*) will appear next to each element name, indicating that it has been checked

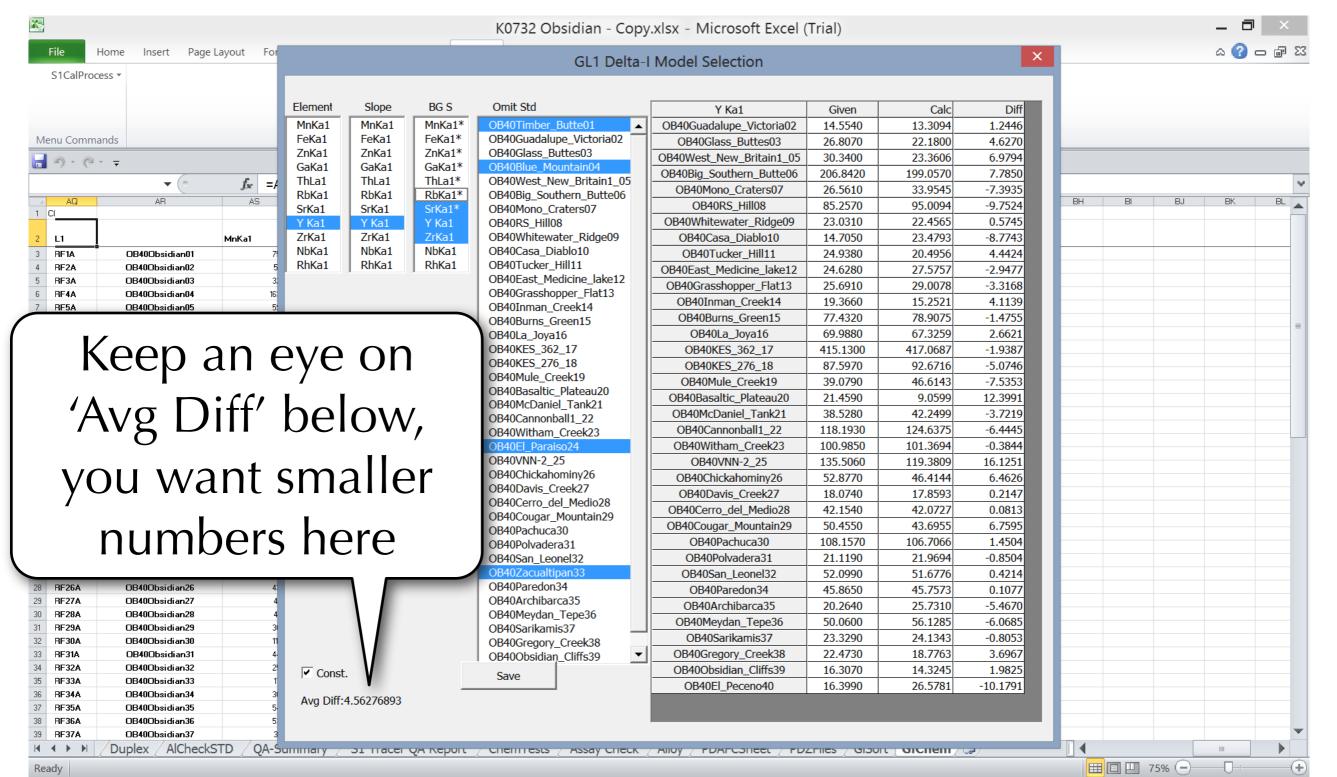
OB40Ca			
OB40Witham_Creek23	19.3000	20.6633	-1.3633
OB40El_Paraiso24	31.6770	24.7163	6.9607
OB40VNN-2_25	20.4070	19.3345	1.0725
OB40Chickahominy26	17.1700	18.0221	-0.8521
OB40Davis_Creek27	13.2170	19.1524	-5.9354
OB40Cerro_del_Medio28	16.3740	19.0291	-2.6551
OB40Cougar_Mountain29	19.3790	17.9936	1.3854
OB40Pachuca30	18.4090	20.5916	-2.1826
OB40Polvadera31	16.9040	19.1163	-2.2123
OB40San_Leonel32	22.9690	19.4963	3.4727
OB40Zacualtipan33	20.4380	21.6376	-1.1996
OB40Archibarca35	17.3420	19.4653	-2.1233
OB40Meydan_Tepe36	19.2130	20.1590	-0.9460
OB40Sarikamis37	16.0780	18.8211	-2.7431
OB40Gregory_Creek38	20.3680	16.9201	3.4479
OB40Obsidian_Cliffs39	14.5300	18.1042	-3.5742
OB40El Peceno40	16.7120	20.8526	-4.1406
	OB40Witham_Creek23 OB40El_Paraiso24 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Pachuca30 OB40Polvadera31 OB40Polvadera31 OB40San_Leonel32 OB40Zacualtipan33 OB40Archibarca35 OB40Meydan_Tepe36 OB40Meydan_Tepe36 OB40Gregory_Creek38 OB40Obsidian_Cliffs39	OB40Witham_Creek23         19.3000           OB40El_Paraiso24         31.6770           OB40El_Paraiso24         31.6770           OB40VNN-2_25         20.4070           OB40Chickahominy26         17.1700           OB40Davis_Creek27         13.2170           OB40Cerro_del_Medio28         16.3740           OB40Cougar_Mountain29         19.3790           OB40Pachuca30         18.4090           OB40Polvadera31         16.9040           OB40San_Leonel32         22.9690           OB40Archibarca35         17.3420           OB40Meydan_Tepe36         19.2130           OB40Gregory_Creek38         20.3680           OB40Obsidian_Cliffs39         14.5300	OB40Witham_Creek23         19.3000         20.6633           OB40El_Paraiso24         31.6770         24.7163           OB40VNN-2_25         20.4070         19.3345           OB40Chickahominy26         17.1700         18.0221           OB40Davis_Creek27         13.2170         19.1524           OB40Cerro_del_Medio28         16.3740         19.0291           OB40Cougar_Mountain29         19.3790         17.9936           OB40Pachuca30         18.4090         20.5916           OB40Pachuca31         16.9040         19.1163           OB40San_Leonel32         22.9690         19.4963           OB40Zacualtipan33         20.4380         21.6376           OB40Archibarca35         17.3420         19.4653           OB40Meydan_Tepe36         19.2130         20.1590           OB40Sarikamis37         16.0780         18.8211           OB40Osrikamis37         16.0780         18.8211           OB40Obsidian_Cliffs39         14.5300         18.1042

III II 75% (-) 

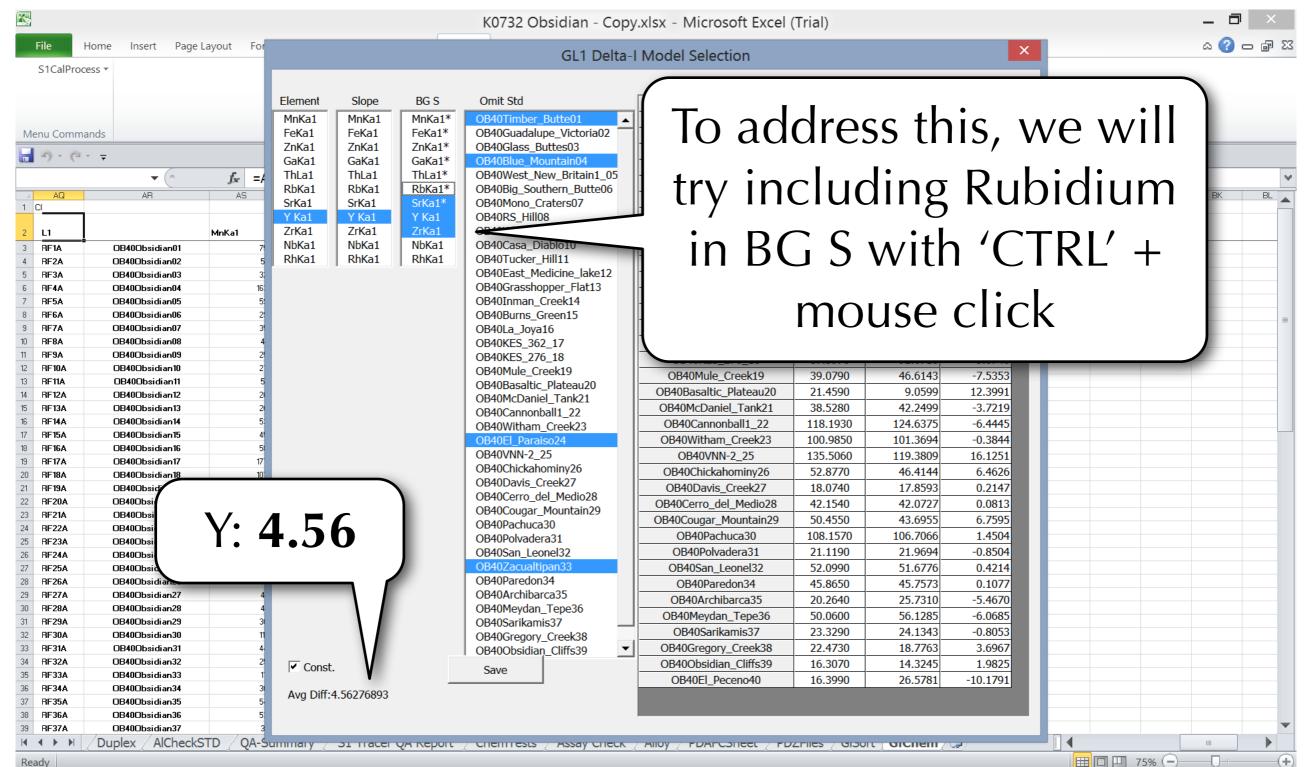
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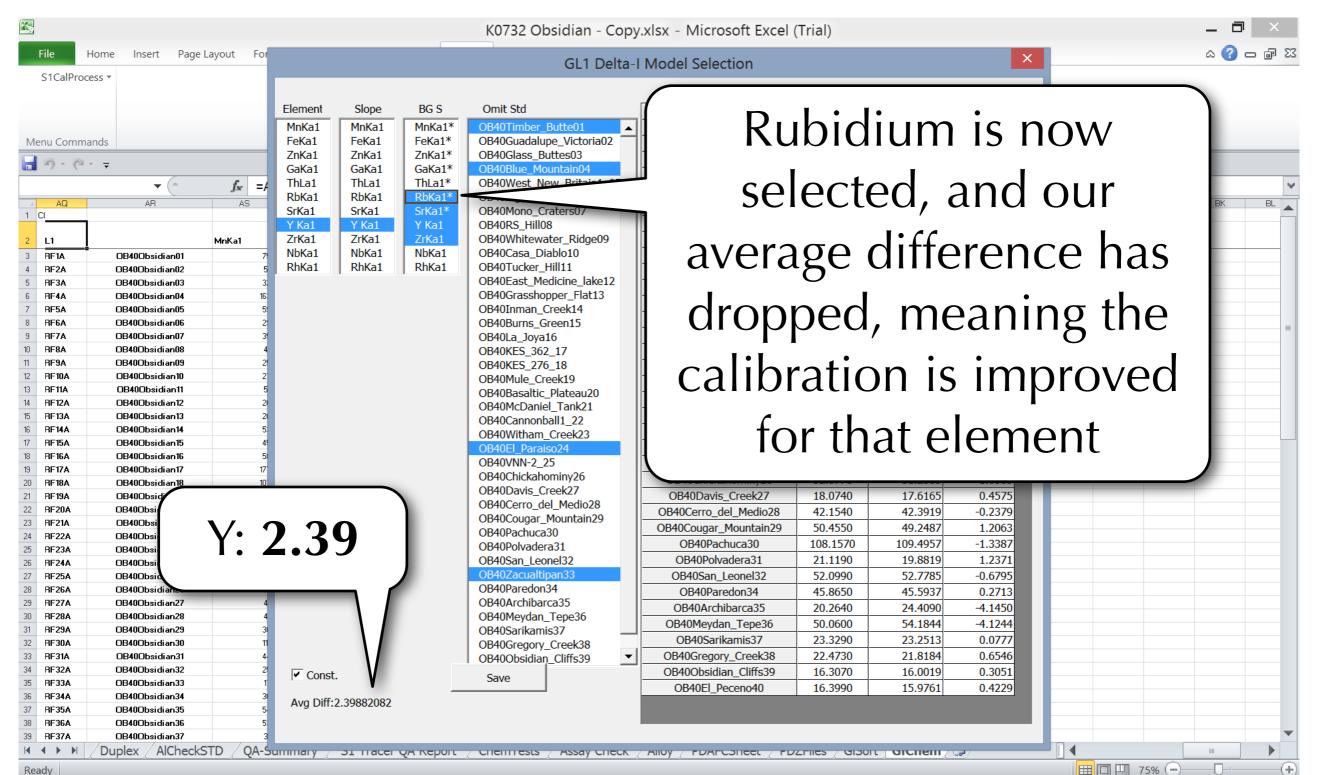
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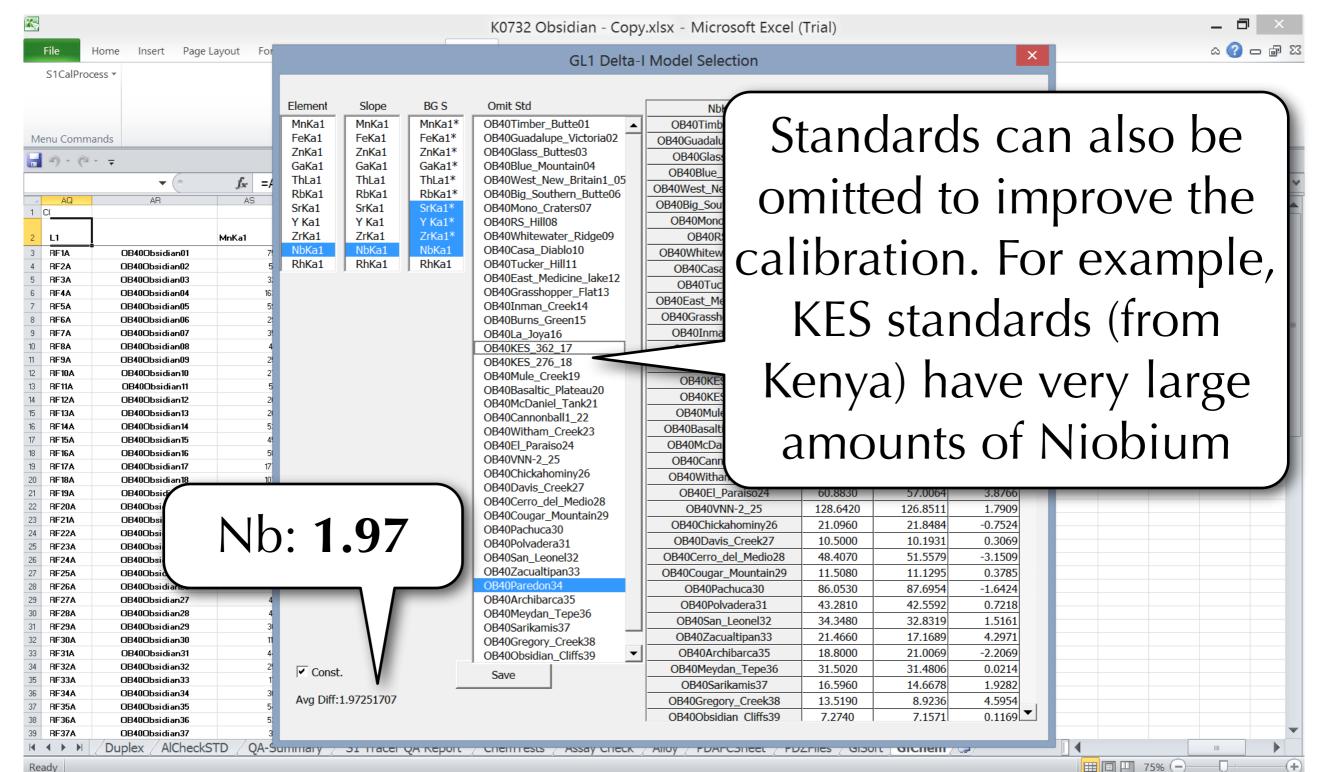
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S1CalProce	ess 🔻														
			Element	Slope	BG S	Omit Std	Y Ka1	Given	Calc	Diff					
			MnKa1	MnKa1	MnKa1*	OB40Timber_Butte01	OB40Guadalupe_Victoria02	14.5540	13.3094	1.2446					
u Comma	ands		FeKa1	FeKa1	FeKa1*	OB40Guadalupe_Victoria02	OB40Glass_Buttes03	26.8070	22.1800	4.6270					
9.0.			ZnKa1	ZnKa1	ZnKa1*	OB40Glass_Buttes03	OB40West_New_Britain1_05	30.3400	23.3606	6.9794					
-) • (- •	· •		GaKa1	GaKa1	GaKa1*	OB40Blue_Mountain04	OB40Big_Southern_Butte06	206.8420	199.0570	7.7850					
	▼ (*	<i>f</i> <sub>x</sub> =/	ThLa1	ThLa1	ThLa1*	OB40West_New_Britain1_05	OB40Mono_Craters07	26.5610	33.9545	-7.3935					
AQ	AR	AS	RbKa1 SrKa1	RbKa1 SrKa1	RbKa1* SrKa1*	OB40Big_Southern_Butte06 OB40Mono_Craters07	OB40RS_Hill08	85.2570	95.0094	-9.7524	BH	BI	BJ	BK	BL
			Y Ka1	Y Ka1	Y Ka1	OB40RS Hill08	OB40Whitewater_Ridge09	23.0310	22.4565	0.5745					
и		MnKa1	ZrKa1	ZrKa1	ZrKa1	OB40Whitewater_Ridge09	OB40Casa_Diablo10	14.7050	23.4793	-8.7743					
BF1A	OB40Obsidian01	7!	NbKa1	NbKa1	NbKa1	OB40Casa_Diablo10	OB40Tucker_Hill11	24.9380	20.4956	4.4424					
RF2A	OB40Obsidian02	5	RhKa1	RhKa1	RhKa1	OB40Tucker_Hill11	OB40East_Medicine_lake12	24.6280	27.5757	-2.9477					
RF3A	OB40Obsidian03	3:				OB40East_Medicine_lake12	OB40Grasshopper_Flat13	25.6910	29.0078	-3.3168					
RF4A	OB40Obsidian04	16:				OB40Grasshopper_Flat13	OB40Inman_Creek14	19.3660	15.2521	4.1139					
RF5A	OB40Obsidian05	5:				OB40Inman_Creek14	OB40Burns_Green15	77.4320	78.9075	-1.4755					
RF6A RF7A	OB40Obsidian06 OB40Obsidian07	2				OB40Burns_Green15 OB40La_Joya16	OB40La_Joya16	69.9880	67.3259	2.6621					
RF8A	OB40Obsidian08	4				OB40KES_362_17	OB40KES_362_17	415.1300	417.0687	-1.9387					
RF9A	OB40Obsidian09	2!				OB40KES_276_18	OB40KES_276_18	87.5970	92.6716	-5.0746					
RF10A	OB40Obsidian10	2				OB40Mule_Creek19	OB40Mule_Creek19	39.0790	46.6143	-7.5353					
RF11A	OB40Obsidian11	5				OB40Basaltic_Plateau20		21.4590	9.0599						
05401		~					1 OB40Bacaltic Platoau20			17 3001					
	OB40Obsidian12 OB40Obsidian13	21				OB40McDaniel_Tank21	OB40Basaltic_Plateau20 OB40McDaniel_Tank21			12.3991					
	OB40Obsidian12 OB40Obsidian13	21					OB40McDaniel_Tank21	38.5280	42.2499	-3.7219					
		21					OB40McDaniel_Tank21 OB40Cannonball1_22	38.5280 118.1930	42.2499 124.6375	-3.7219 -6.4445					
BE13A	OB400hsidian13	21				OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23	38.5280 118.1930 100.9850	42.2499 124.6375 101.3694	-3.7219 -6.4445 -0.3844					
BF13A	OB400hsidian13			the		OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25	38.5280 118.1930 100.9850 135.5060	42.2499 124.6375 101.3694 119.3809	-3.7219 -6.4445 -0.3844 16.1251					
BE13A	OB400hsidian13	cas	se.	the	ere	OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26	38.5280 118.1930 100.9850 135.5060 52.8770	42.2499 124.6375 101.3694 119.3809 46.4144	-3.7219 -6.4445 -0.3844 16.1251 6.4626					
BF13A		cas	se,	the	ere	OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27	38.5280 118.1930 100.9850 135.5060 52.8770 18.0740	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147					
BE13A	n this					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28	38.5280 118.1930 100.9850 135.5060 52.8770 18.0740 42.1540	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813					
BE13A	n this					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29	38.5280 118.1930 100.9850 135.5060 52.8770 18.0740 42.1540 50.4550	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595					
BE13A	n this					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Pachuca30	38.5280 118.1930 100.9850 135.5060 52.8770 18.0740 42.1540 50.4550 108.1570	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504					
RE13A	OB400hsidian13					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Pachuca30 OB40Polvadera31	38.5280 118.1930 100.9850 135.5060 52.8770 18.0740 42.1540 50.4550 108.1570 21.1190	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504					
RE13A	n this					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40Chickahominy26 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Cougar_Mountain29 OB40Pachuca30 OB40Polvadera31 OB40San_Leonel32	38.5280           118.1930           100.9850           135.5060           52.8770           18.0740           42.1540           50.4550           108.1570           21.1190           52.0990	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214					
BE13A	n this					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Cougar_Mountain29 OB40Pachuca30 OB40Polvadera31 OB40Panedon34	38.5280         118.1930         100.9850         135.5060         52.8770         18.0740         42.1540         50.4550         108.1570         21.1190         52.0990         45.8650	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077					
In Iar	n this ge nu					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Pachuca30 OB40Pachuca30 OB40Paredon34 OB40Archibarca35	38.5280           118.1930           100.9850           135.5060           52.8770           18.0740           42.1540           50.4550           108.1570           21.1190           52.0990           45.8650           20.2640	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573 25.7310	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077 -5.4670					
In Iar BE29A	n this ge nu					OB40McDaniel_Tank21 22 3 3 4.56 0B40Meydan_Tepe36 0B40Meydan_Tepe36 0B40Sarikamis37	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Cerro_del_Medio28 OB40Pachuca30 OB40Pachuca30 OB40Paredon34 OB40Archibarca35 OB40Meydan_Tepe36	38.5280           118.1930           100.9850           135.5060           52.8770           18.0740           42.1540           50.4550           108.1570           21.1190           52.0990           45.8650           20.2640           50.0600	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573 25.7310 56.1285	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077 -5.4670 -6.0685					
RF28A RF29A RF30A	OB40Obsidian13 nthis genu OB40Obsidian28 OB40Obsidian28 OB40Obsidian30					OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Cougar_Mountain29 OB40Pachuca30 OB40Pachuca30 OB40Pachuca31 OB40Paredon34 OB40Paredon34 OB40Archibarca35 OB40Meydan_Tepe36 OB40Sarikamis37	38.5280 118.1930 100.9850 135.5060 52.8770 18.0740 42.1540 50.4550 108.1570 21.1190 52.0990 45.8650 20.2640 50.0600 23.3290	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573 25.7310 56.1285 24.1343	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077 -5.4670 -6.0685 -0.8053					
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RF28A RF29A RF30A RF31A RF32A	OB40Obsidian13 nthis genu OB40Obsidian28 OB40Obsidian28 OB40Obsidian30			for		OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Cougar_Mountain29 OB40Pachuca30 OB40Pachuca30 OB40Pachuca31 OB40Paredon34 OB40Archibarca35 OB40Meydan_Tepe36 OB40Sarikamis37 OB40Gregory_Creek38 OB40Obsidian_Cliffs39	38.5280           118.1930           100.9850           135.5060           52.8770           18.0740           42.1540           50.4550           108.1570           21.1190           52.0990           45.8650           20.2640           50.0600           23.3290           22.4730           16.3070	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573 25.7310 56.1285 24.1343 18.7763 14.3245	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077 -5.4670 -6.0685 -0.8053 3.6967 1.9825					
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RF28A RF29A RF30A RF31A RF33A RF34A RF35A	OB40Obsidian13 This This Security OB40Obsidian28 OB40Obsidian30 OB40Obsidian31 OB40Obsidian31 OB40Obsidian33 OB40Obsidian33 OB40Obsidian34 OB40Obsidian35		)er ⊡ Const	for		OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Cougar_Mountain29 OB40Pachuca30 OB40Pachuca30 OB40Pachuca31 OB40Paredon34 OB40Archibarca35 OB40Meydan_Tepe36 OB40Sarikamis37 OB40Gregory_Creek38 OB40Obsidian_Cliffs39	38.5280           118.1930           100.9850           135.5060           52.8770           18.0740           42.1540           50.4550           108.1570           21.1190           52.0990           45.8650           20.2640           50.0600           23.3290           22.4730           16.3070	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573 25.7310 56.1285 24.1343 18.7763 14.3245	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077 -5.4670 -6.0685 -0.8053 3.6967 1.9825					
RF28A RF29A RF30A RF31A RF32A RF33A RF34A	OB40Obsidian13 This This Security OB40Obsidian28 OB40Obsidian30 OB40Obsidian31 OB40Obsidian31 OB40Obsidian32 OB40Obsidian33 OB40Obsidian33 OB40Obsidian34		)er ⊡ Const	for		OB40McDaniel_Tank21	OB40McDaniel_Tank21 OB40Cannonball1_22 OB40Witham_Creek23 OB40Witham_Creek23 OB40VNN-2_25 OB40Chickahominy26 OB40Davis_Creek27 OB40Cerro_del_Medio28 OB40Cougar_Mountain29 OB40Cougar_Mountain29 OB40Pachuca30 OB40Pachuca30 OB40Pachuca31 OB40Paredon34 OB40Archibarca35 OB40Meydan_Tepe36 OB40Sarikamis37 OB40Gregory_Creek38 OB40Obsidian_Cliffs39	38.5280           118.1930           100.9850           135.5060           52.8770           18.0740           42.1540           50.4550           108.1570           21.1190           52.0990           45.8650           20.2640           50.0600           23.3290           22.4730           16.3070	42.2499 124.6375 101.3694 119.3809 46.4144 17.8593 42.0727 43.6955 106.7066 21.9694 51.6776 45.7573 25.7310 56.1285 24.1343 18.7763 14.3245	-3.7219 -6.4445 -0.3844 16.1251 6.4626 0.2147 0.0813 6.7595 1.4504 -0.8504 0.4214 0.1077 -5.4670 -6.0685 -0.8053 3.6967 1.9825					







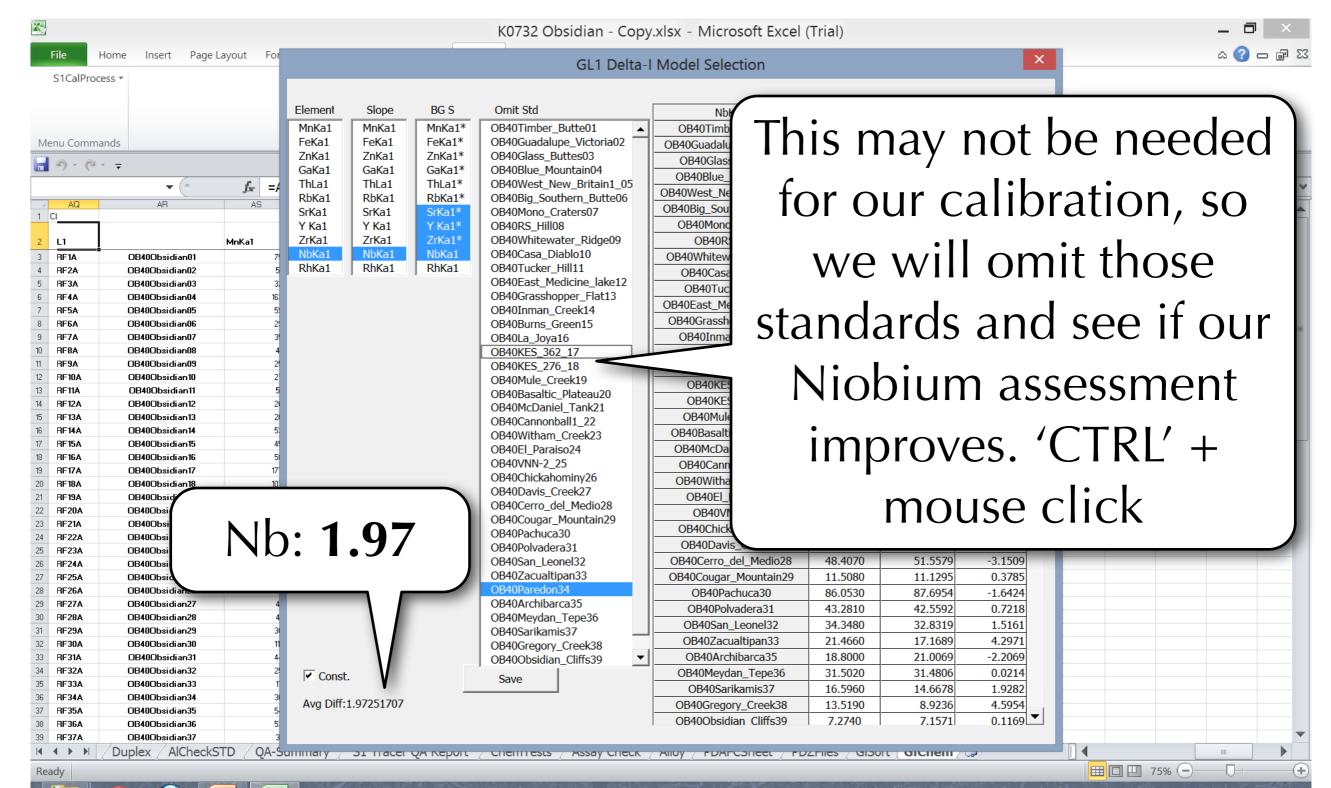


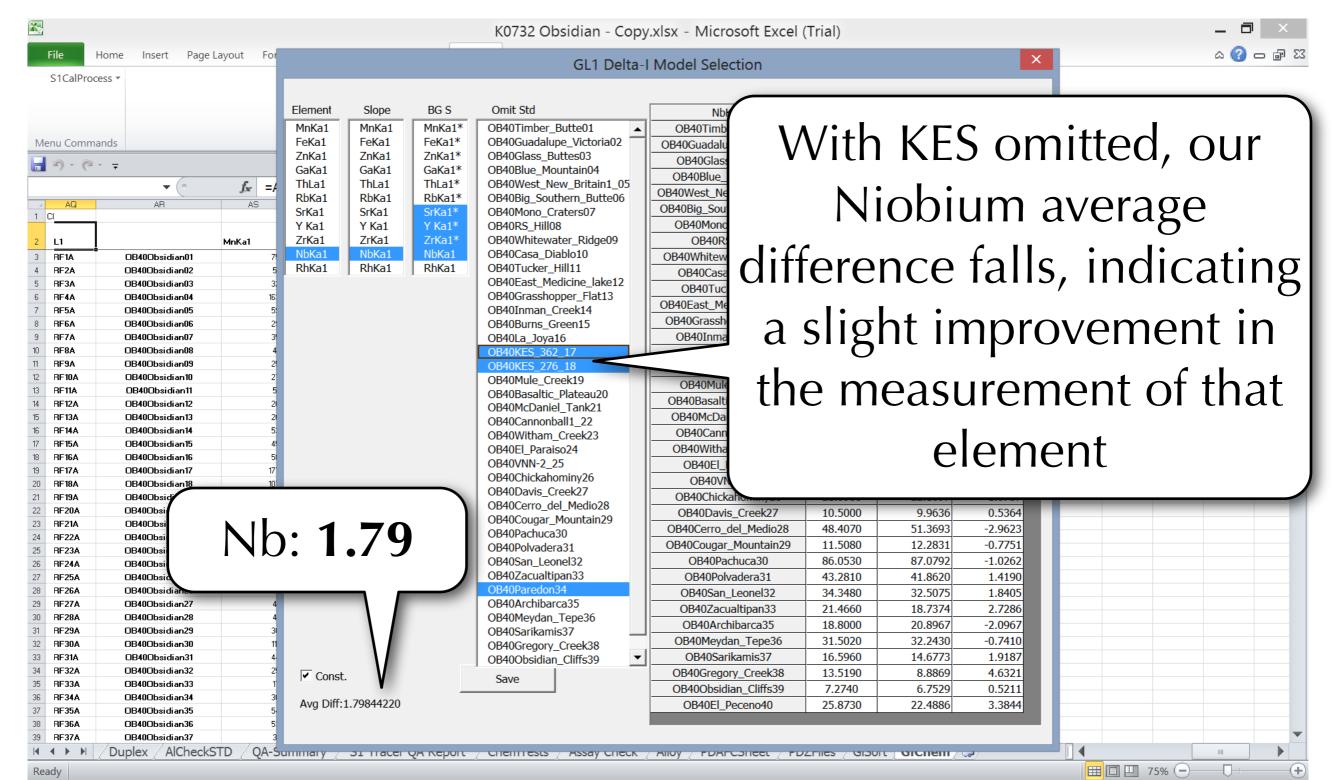


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2	3					K0732 Obsidian - (	Сору	.xlsx - Microsoft Excel (	(Trial)
	File		e Layout For			GL1 De	elta-I	(	
	S1CalPr Menu Com	mands		Element Slope MnKa1 MnKa1 FeKa1 FeKa1 ZnKa1 ZnKa1	BG S MnKa1* FeKa1* ZnKa1*	Omit Std OB40Timber_Butte01 OB40Guadalupe_Victoria02 OB40Glass_Buttes03	2	Whe	
			<b>f<sub>x</sub> =/</b>	GaKa1 GaKa1 ThLa1 ThLa1 RbKa1 RbKa1	GaKa1* ThLa1* RbKa1*	OB40Blue_Mountain04 OB40West_New_Britain1_ OB40Big_Southern_Butte0		listed	Iľ
-	α 2 <b>L1</b>	OB400bsidian01	MnKa1	SrKa1 SrKa1 Y Ka1 Y Ka1 ZrKa1 ZrKa1 NbKa1 NbKa1	SrKa1* Y Ka1* ZrKa1* NbKa1*	OB40Mono_Craters07 OB40RS_Hill08 OB40Casa_Diablo10		aster	is
2 5 6	RF2A RF3A RF4A	OB400bsidian02 OB400bsidian03 OB400bsidian04 OB400bsidian05	5 3: 16: 5:	RhKa1 RhKa1	RhKa1*	OB40Tucker_Hill11 OB40East_Medicine_lake1 OB40Grasshopper_Flat13 OB40Inman_Creek14	2	then	V
{ ( 1 1	BRF7A RF8A	OB400bsidian06 OB400bsidian07 OB400bsidian08 OB400bsidian09	2: 3: 4 2:			OB40Burns_Green15 OB40La_Joya16 OB40KES_362_17 OB40KES_276_18		proce	1
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1 1 1: 1:	RF15A RF16A RF17A	OB400bsidian14 OB400bsidian15	5: 4! -			OB40Witham_Creek23 OB40El_Paraiso24 OB40VNN-2_25 OB40Chickahominy26			un
2						OB40Davis_Creek27		OB40El_Paraiso24	0.00
2			C	'Save'		OB40Cerro_del_Medio28		OB40VNN-2_25	0.00
2			UK –	Jave		OB40Cougar_Mountain29		OB40Chickahominy26	0.00
2	4 RF22A		<b>—</b>	•••••		OB40Pachuca30			I
2	5 RF23A					OB40Polvadera31		OB40Davis_Creek27	0.00
2						OB40San_Leonel32		OB40Cerro_del_Medio28	0.00
2		OB40Obsidian25	12	_		OB40Zacualtipan33		OB40Cougar_Mountain29	0.00
2		OB40Obsidian26	41			OB40Paredon34		OB40Pachuca30	0.00
_	9 RF27A 0 RF28A	OB400bsidian27 OB400bsidian28	4			OB40Archibarca35		OB40Polvadera31	0.00
3		OB40Obsidian29	4			OB40Meydan_Tepe36 OB40Sarikamis37		OB40San_Leonel32	0.00
3		OB40Obsidian30	11			40Gregory_Creek38	_	OB40Zacualtipan33	0.00
3		OB40Obsidian31	4.			OB OObsidian_Cliffs39	-	OB40Paredon34	0.00
3		OB40Obsidian32	2!	Ganat				OB40Archibarca35	0.00
3		OB40Obsidian33	1	Const.		Save		OB40Meydan_Tepe36	0.00
3	6 RF34A	OB40Obsidian34	31	Avg Diff:0.00000000	_			OB40Neydan_repeso OB40Sarikamis37	
3		OB40Obsidian35	5.	Avg Dill.0.00000000					0.00
3		OB40Obsidian36	5:					OB40Greaorv Creek38	0.00
3	9 RF37A	OB40Obsidian37	3						

When every element listed in 'BG S' has an asterisk (\*) next to it, then you are able to proceed to create your calibration file

OB40El_Paraiso24	0.0000	0.0000	0.0000
OB40VNN-2_25	0.0000	0.0000	0.0000
OB40Chickahominy26	0.0000	0.0000	0.0000
OB40Davis_Creek27	0.0000	0.0000	0.0000
OB40Cerro_del_Medio28	0.0000	0.0000	0.0000
OB40Cougar_Mountain29	0.0000	0.0000	0.0000
OB40Pachuca30	0.0000	0.0000	0.0000
OB40Polvadera31	0.0000	0.0000	0.0000
OB40San_Leonel32	0.0000	0.0000	0.0000
OB40Zacualtipan33	0.0000	0.0000	0.0000
OB40Paredon34	0.0000	0.0000	0.0000
OB40Archibarca35	0.0000	0.0000	0.0000
OB40Meydan_Tepe36	0.0000	0.0000	0.0000
OB40Sarikamis37	0.0000	0.0000	0.0000
OB40Greaorv Creek38	0.0000	0.0000	0.0000

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-			OB40East_Medicine_lake12	0.0000	0.000 0.00	000	
			OB40Grasshopper_Flat13	0.0000	0.000 0.00	000	
💐 Computer			OB40Inman_Creek14	0.0000	0.000 0.00	000	
Sootcamp (C:)			OB40Burns_Green15	0.0000	0.000 0.00		
✓ Lincoln (D:)			OB40La_Joya16	0.0000	0.000 0.00	000	
			OB40KES_362_17	0.0000	0.000 0.00	000	
			OB40KES_276_18	0.0000	0.000 0.00	000	
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			OB40Basaltic_Plateau20	0.0000	0.000 0.00		
Folder name:			OB40McDaniel_Tank21	0.0000	0.000 0.00		
			OB40Cannonball1_22	0.0000	0.000 0.00		
	Tools 🔻	OK Cancel	OB40Witham_Creek23	0.0000	0.000 0.00		
			OB40El_Paraiso24	0.0000	0.000 0.00	000	
23 BF21A OB40Obsidian21 6		OB40Cougar_Mountain29					
4 RF22A OB400bsidian22 4		OB40Pachuca30			I.A.		
PS RF23A OB40Obsidian23 6-		OB40Polvadera31		1 th	en cli	c / 10	$\mathbf{V}'$
6 RF24A OB400bsidian24 2:		OB40San_Leonel32		иш		UK U	
RF25A         OB400bsidian25         12           28         RF26A         OB400bsidian26         4:		OB40Zacualtipan33 OB40Paredon34	OB40CC				
26         HF26A         UB40UDsidian26         4.           29         RF27A         OB40Obsidian27         4.		OB40Pareuon34 OB40Archibarca35	OB				
30 RF28A OB40Obsidian28 4		OB40Meydan_Tepe36	OB40	0.0000	0.0000	00	
31 RF29A OB40Obsidian29 31		OB40Sarikamis37	OB40San_Leonel32	0.0000	0.000 0.00		
32 RF30A OB40Obsidian30 11		OB40Gregory_Creek38	OB40Zacualtipan33	0.0000	0.000 0.00		
33         RF31A         OB400bsidian31         4-           34         RF32A         OB400bsidian32         2!		OB40Obsidian_Cliffs39		0.0000	0.000 0.00		
34         HF32A         OB4000stolan32         22           35         RF33A         OB4000stolan33         1	Const.	Save	OB40Archibarca35	0.0000	0.000 0.00		
36 RF34A OB40Obsidian34 31	Avg Diff:0.0000000		OB40Meydan_Tepe36	0.0000	0.000 0.00		
37 RF35A OB40Obsidian35 5-	Avg Dill.0.0000000		OB40Sarikamis37	0.0000	0.000 0.00		
38 RF36A OB40Obsidian36 5			OB40Greaorv Creek38	0.0000	0.000 0.00		
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19					OB40Big_Southern_But			E	nd (kV)	22		40508 41.1223126		70.18848826	14.70603368	
20					OB40Blue_Mountain04.					,		34826 10.8276422		31.69294841	14.33829652	
21					OB40Burns_Green15.pd							23274 6.349940074	11.31784951	4.232327489	13.32041237	
22					OB40Cannonball1_22.p				Chem	istry Intensity		00063 1.761255099	10.70277108	1.667185499	13.86662737	
23					OB40Casa_Diablo10.pd				Compto			38772 5.537952314		5.404685505	13.34074893	
24					OB40Cerro_del_Medio2	3.pdz		<b>~</b>	Joompoo			38323 14.2476928		15.19363672	13.49139911	
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19 20 21 22 23 24 25 26 27 28								0.964464743 22.152086				2040035 13.66768804 7219966 6.234848751		3.733987258	13.61024069	
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29 30 31								1.004518389 13.963002			9.60393662 0.705	5009158 5.841630392		6.891512274	12.85391445	
31										0.496104941 0.728017932	6.252901164 3.299	027204 5.979179012	13.33497133	2.589358275	13.36779494	
32							OB40Pachu	1.817564854 30.66970	63 2.599094638	0.816033074 1.24082616	13.21550445 0.8	12.45657399	94.65663197	11.29559241	14.31515802	
33							OB40Polvac	0.94690571 6.6267812	37 1.002590225	0.579587001 1.179943483	9.138252705 0.818	8498117 3.664854225	6.336751533	5.72162226	13.41958908	
34								0.961202244 23.842841				1826203 6.782164953		4.936821693	13.41993851	
35								0.810325408 19.877900		0.771683028 1.917069827		2752926 7.709547892		3.402888777	13.55305303	
36								0.99875843 16.222633		0.655999926 1.05128362		0239511 6.220558366		5.636515081	13.4101284	
32 33 34 35 36 37 38 39							OB40Archib OB40Meuda	1.10420102 16.27389 1.27250837 18.225738		0.63202218 0.990492525 0.685843957 1.373453722		3874471 3.566392192 5096355 7.309554345		3.436386559 4.882906403	13.7918465 13.48972178	
39							OB40Meyda OB40Sarika			0.569068599 1.053728947				2.749703618	13.57817656	T
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