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Table DR1. Compiled Puna Plateau Geochemical and Isotopic Data

SAMPLE	Lat	Long	MgO(wt%)	SiO2(wt%)	Nd143/Nd144	Sr87/Sr86	Pb206/Pb204	Pb207/Pb204	Pb208/Pb204
s UR98PB	-24.400	-66.246	0.66	70.7	0.512286	0.70782			
s UR9813	-24.396	-66.179	3.73	58.54	0.512252	0.70963			
s TRIN-97-2-2B	-26.070	-68.470	0.16	74	0.512421	0.707307	18.879	15.634	38.918
s TOCV1	-24.200	-66.500	0.05	73.12	0.51213	0.71731	18.65	15.67	38.9
s T8A	-25.893	-67.302	6.45	53.01	0.512552	0.705906			
s T7	-26.420	-67.220	8.58	52.49		0.7059			
s T20	-24.200	-66.250	8.72	55.12	0.512424	0.708096			
s T162	-24.000	-66.500	3.94	58.84	0.512449	0.706273	18.761	15.666	38.844
s T159	-24.000	-66.500	2.89	59.05		0.70762			
s SS018	-26.000	-67.000	1.17	66.85	0.51225	0.71088			
s SS005	-26.000	-67.000	1.13	67.04		0.71102			
s SRA10	-25.616	-67.709	0.09	73.3	0.512377	0.708194	18.968	15.647	38.99
s SIA97B3	-26.480	-67.700	1.06	65.2	0.512492	0.70669	18.962	15.643	39.001
s SIA92/3A	-26.133	-67.973	0.39	74.4	0.512427	0.70717	19.155	15.698	39.202
s SIA83B8	-26.489	-68.100	0.08	74.8	0.512404	0.707931	18.886	15.621	38.876
s SIA72	-26.596	-68.151	0.15	75.69	0.512434	0.70689	18.885	15.649	38.963
s SIA70/2	-25.724	-68.060	0.82	71.1	0.512262	0.71293	19.018	15.644	38.968
s SIA48B1	-25.755	-68.311	0.19	73.6	0.512504	0.70715	18.942	15.642	38.888
s SIA30B2	-25.284	-67.857	0.84	68.5	0.512407	0.707866	18.922	15.622	38.815
s SIA145B	-25.480	-67.640	0.68	69.9	0.512415	0.707957	18.946	15.668	39.075
s SIA 101D	-26.571	-67.817	0.25	72.3	0.512463	0.707978	18.999	15.644	38.984
s SC2	-21.300	-68.183	4.28	58.08	0.5123	0.706826	18.663	15.634	38.587
s S19	-26.300	-67.300	6.13	55.37		0.705772			
s S-16G	-24.400	-66.100	8.1	52.65		0.706091			
s S16G	-23.300	-66.980	8.1	52.65		0.706004			
s RP2191	-25.550	-67.550	7.67	52.79	0.512504	0.705727	18.847	15.632	38.678
s RP1997	-26.700	-67.260	7.71	52.03	0.512575	0.705323	18.962	15.635	39.005
s RP1093	-25.533	-67.917	8.47	51.71	0.512621	0.705577	18.95	15.64	38.83
s RP1	-26.730	-67.300	7.65	50.61		0.705772			
s RM810	-25.220	-66.765	6.73	55.54	0.512449	0.707261	18.921	15.668	38.954
s RM569	-25.360	-67.730	4.44	58.75	0.512429	0.707566	18.861	15.637	38.984
s RM568	-26.419	-67.368	6.17	55.3	0.512419	0.707298	18.939	15.636	38.964
s QUIS-96H-9	-23.170	-67.420	1.3	66.1	0.512224	0.711712	18.999	15.693	39.107
s QUIS-96H-4B	-23.170	-67.420	0.1	74.2	0.512256	0.714324			
s QUIS-96H-21A	-23.170	-67.420	0.08	74.1	0.512217	0.712941	18.995	15.678	39.147

s QCN-94-2/9	-25.420	-69.210	1.06	68.3	0.512446	0.707395	18.924	15.67	38.949
s QCN-94-2/8	-25.420	-69.210	0.93	67.1			18.92	15.675	38.945
s QCN-94-2/7	-25.420	-69.210	0.73	69.9			18.91	15.668	38.953
s QCN-94-2/1	-25.420	-69.210	0.87	69.9			18.918	15.67	38.937
s PUJS-96H-10	-23.170	-67.420	2.37	60.2	0.512229	0.709981			
s PU6	-24.830	-68.070	5.34	56.01	0.512498	0.706757	18.916	15.628	38.827
s PU5	-24.820	-68.020	5.37	55.84	0.512496	0.706919			
s PU4	-24.745	-68.113	4.52	59.51	0.512476	0.706709	18.753	15.611	38.648
s PU3	-24.650	-67.920	4.5	55.1	0.512362	0.706254			
s PU2	-24.750	-68.030	4.81	55.31	0.512458	0.706727			
s PU10	-23.570	-66.940	5.05	58.17		0.708163			
s PU1	-25.110	-67.630	5.35	57.07	0.512474	0.706725	18.902	15.634	38.847
s PED-97-12	-26.360	-69.280	0.6	71.2	0.512421	0.70693	18.739	15.625	38.727
s PARI-2-17	-25.981	-68.444	1.04	70.2	0.512414	0.70792	19.065	15.622	38.786
s P87-78B	-22.500	-66.750	2.81	59.67	0.512201	0.714299			
s P87-78A	-22.500	-66.750	1.85	61.41	0.512125	0.714082			
s P87-76	-22.500	-66.750	1.86	61.89	0.512135	0.714443			
s P87-74B	-22.500	-66.750	1.97	61.83	0.512172	0.713865			
s P87-62-2	-22.500	-66.750	1.53	61.88	0.512149	0.714926	18.82	15.67	38.92
s P87-62-1	-22.500	-66.750	1.49	61.49	0.512149	0.714926	18.82	15.67	38.92
s P87-46B	-22.500	-66.750	1.97	61.01	0.512152	0.714581			
s P87-46A	-22.500	-66.750	1.9	62.85	0.512184	0.714824			
s P87-39B	-22.500	-66.750	1.8	60.64	0.5122	0.715079			
s P87-34C	-22.500	-66.750	1.71	61.55	0.512155	0.714327			
s P87-34B	-22.500	-66.750	1.52	64.17		0.715091			
s P87-28A	-22.500	-66.750	1.78	65.6	0.512155	0.714333			
s P24-4	-24.400	-66.400	6.88	52.12	0.512524	0.706333	18.658	15.669	38.971
s OSI 25	-24.747	-66.177	8.75	52.6	0.512489	0.70643	18.6	15.4	39
s OSI 24	-24.756	-66.174	7.58	53.35	0.512424	0.70697	18.72	15.65	39.12
s OSI 21	-24.559	-66.195	7.76	54.54	0.512365	0.70772	18.42	15.4	38.45
s N17B	-23.900	-66.500	4.34	55.97	0.51244	0.70688	18.7	15.65	38.79
s N16Z	-23.900	-66.500	5.93	56.75	0.51241	0.70758			
s N16X	-24.000	-66.300	6.09	52.3	0.51255	0.70656			
s N16W	-24.000	-66.300	7.22	54.43		0.70767			
s N16V	-23.900	-66.500	3.4	60.66		0.70696			
s N16U	-23.900	-66.500	3.38	60.73		0.70701	18.72	15.67	38.89
s N16T	-23.900	-66.500	3.63	60.33		0.70752			

s LP36	-24.668	-66.318	8.86	54.26	0.512414	0.707562	18.753	15.671	39.074
s LP199	-24.551	-66.334	8.88	52.55	0.512448	0.707108			
s LARI-96-H-6	-23.170	-67.420	1.08	68	0.512234	0.710428	18.998	15.691	39.103
s LARI-96H-10	-23.170	-67.420	2.82	58.6	0.51226	0.709469	18.976	15.679	39.051
s JUN-97-4	-26.519	-68.835	0.17	73.2	0.512436	0.70725	18.864	15.627	38.887
s JC131	-26.180	-67.400	5.33	53.81	0.51259	0.7055			
s JC130	-26.180	-67.400	6.91	52.61	0.51258	0.70563			
s JC043	-26.180	-67.400	6.32	52.42	0.5125	0.70607			
s JC039	-26.180	-67.400	6.44	53.21	0.51251	0.70571			
s JC034	-26.180	-67.400	6.45	54.02	0.5125	0.70642			
s JC015	-26.180	-67.400	4.41	54.45	0.51246	0.7064			
s JC013	-26.180	-67.400	4.21	53.77	0.51243	0.70588			
s JC010	-26.180	-67.400	3.53	59.46	0.51235	0.70783			
s JC005	-26.180	-67.400	4.75	56.7	0.51229	0.708			
s JAMA-96H-7B	-23.170	-67.420	0.08	73.4	0.512252	0.711687	18.992	15.673	39.133
s J-72	-23.780	-67.080	10.49	45.79		0.70404			
s IP8	-24.443	-66.210	2.57	61	0.512272	0.71027			
s IP3	-24.400	-66.246	0.62	70.8	0.512285	0.70781			
s IP14	-24.467	-66.193	3.5	59.3	0.512197	0.71496			
s IP11	-24.458	-66.204	4.36	56.3	0.5123	0.71033			
s IP10	-24.475	-66.203	1.27	69.6	0.512356	0.70867			
s CY-94-2-B1	-26.212	-68.552	0.15	73.5			18.911	15.672	38.987
s CY-94-1	-26.212	-68.552	0.28	74.3	0.512432	0.7074	18.885	15.647	38.959
s CHA-003	-22.500	-67.750	1.6	65.24		0.70606			
s CCLD-2	-22.320	-66.330	2.57	63.04	0.512202	0.713287	18.626	15.683	38.775
s AN-83	-25.250	-67.820	2.01	61.5	0.512406	0.70771	18.858	15.633	38.906
s AN-74	-25.820	-67.580	7.06	52		0.70627			
s AN-71	-26.880	-68.080	7.41	53.1		0.70615			
s AN-51	-25.770	-67.900	3.24	59.9		0.70866	18.893	15.632	38.893
s AN-50	-25.750	-67.920	3.03	60.4		0.70892			
s AN-45	-25.930	-67.670	9.34	52.6		0.70547			
s AN-44	-25.930	-67.670	8.66	49.7	0.512613	0.70505	18.906	15.621	38.815
s AN-42	-25.950	-67.750	7.68	52		0.705727	18.928	15.628	38.885
s AN-188	-25.770	-67.430	2.47	63.99	0.51233	0.708716	18.982	15.696	39.143
s AN-185	-25.700	-67.470	2.18	64.64	0.512314	0.709052	18.926	15.662	39.092
s AN-182	-25.450	-67.570	4.13	59.67	0.512369	0.708023	18.917	15.632	38.991
s AN-16	-25.850	-67.650	3.21	60		0.708944	18.979	15.667	39.068

s AN-151	-25.250	-67.820	1.99	60.8	0.512426	0.70769	18.994	15.633	38.901
s AN-136	-25.230	-67.670	3.31	60.54	0.512375	0.708525	18.9	15.651	39.03
s AN-109	-25.330	-67.980	3.64	61		0.70841			
s AN-01	-26.180	-67.400	6.2	51.6		0.70655	18.78	15.638	38.771
s AMO-57C	-22.500	-66.750	3.42	56.95	0.51219	0.712796	18.82	15.66	38.8
s AMO-57A	-22.500	-66.750	1.99	61.64	0.512246	0.713199	18.81	15.67	38.78
s AMO-55F	-22.500	-66.750	2.45	60.86	0.512144	0.71423			
s AMO-55D	-22.500	-66.750	1.98	65.34	0.512174	0.714095	18.84	15.67	38.91
s AMO-55A	-22.500	-66.750	1.82	60.3	0.512129	0.714781			
s AMO-51G	-22.500	-66.750	2.71	61.03	0.512256	0.710969	18.86	15.67	38.9
s AMO-51D	-22.500	-66.750	2.82	61.55		0.712722			
s AMO-51A	-22.500	-66.750	2.72	61.5	0.512223	0.711837			
s AMO-50	-22.500	-66.750	2.63	59		0.712623			
s AMO-45B	-22.500	-66.750	1.63	61.49	0.5122	0.71366	18.82	15.67	38.84
s AMO-44	-22.500	-66.750	1.61	62.46	0.512129	0.7144	18.81	15.67	38.87
s AMO-40	-22.500	-66.750	1.57	62.21		0.71481			
s AMO-38B	-22.500	-66.750	2.02	66	0.512151	0.714292			
s AMO-35D	-22.500	-66.750	1.47	62.97	0.512139	0.714311			
s AMO-30C	-22.500	-66.750	1.75	62.14	0.512165	0.71453			
s AMO-22C	-22.500	-66.750	2.05	62.93		0.715602			
s AMO-22A	-22.500	-66.750	1.85	60.68	0.512113	0.715274	18.84	15.67	38.96
s AMO-20B	-22.500	-66.750	1.06	63.06		0.718693	18.78	15.67	38.92
s AMO-16	-22.500	-66.750	1.72	62.45	0.512156	0.714427	18.83	15.66	38.91
s 941244	-24.200	-66.500	0.48	73.74	0.51218	0.71752	18.67	15.63	38.7
s 88054	-22.120	-68.150	1.56	67.97	0.51224	0.70806			
s 84064	-22.500	-67.750	0.99	71.46	0.51225	0.70801			
s 84058	-22.500	-67.750	1.54	68.79	0.51224	0.70805			
s 84056	-22.500	-67.750	1.66	65.78		0.70903			
s 84015	-23.000	-67.500	1.47	59.11	0.512127	0.71114			
s 84014	-23.000	-67.500	0.33	75.1	0.512148	0.71079			
s 83083A	-22.950	-67.750	2.16	64.95	0.512233	0.70852			
s 83020B	-22.500	-68.100	1.61	66.96	0.51216	0.70829			
s 5213-S-23-B1	-25.981	-68.444	0.13	74.1	0.512376	0.70895	19.122	15.668	38.97
s 36	-24.400	-66.100	8.86	54.26		0.707578			
s 15/10-T-9	-25.364	-68.803	0.61	70.4			18.75	15.632	38.753
s 14/11-S-27	-25.472	-68.942	1.24	68.7	0.51246	0.70667	18.844	15.621	38.746