

Reference material	Uncorrected matrix				Matrix correction
	$^{87}\text{Rb}/^{86}\text{Sr}$	$\delta(^{86}\text{Sr})$ (2SE, ‰)	$^{87}\text{Sr}/^{86}\text{Sr}$	$\delta(^{86}\text{Sr})$ (2SE, int)	$^{87}\text{Rb}/^{86}\text{Sr}$ / ^{86}Sr (2SE, ‰)
Session 3 (18-10-2023)					
G_NIST610 (Primary)					
610 - 1.d	2.390574	0.007204	0.709538	0.001643	
610 - 2.d	2.389967	0.006217	0.710842	0.001412	
610 - 3.d	2.393306	0.007030	0.710734	0.001440	
610 - 4.d	2.383089	0.006420	0.708639	0.001659	
610 - 5.d	2.393985	0.006869	0.708938	0.001444	
610 - 6.d	2.389788	0.007271	0.709333	0.001342	
610 - 7.d	2.391273	0.006910	0.709773	0.001422	
610 - 8.d	2.389183	0.007478	0.710355	0.001292	
610 - 9.d	2.389347	0.007285	0.709052	0.001274	
610 - 10.d	2.391747	0.007660	0.709265	0.001313	
610 - 11.d	2.387327	0.007842	0.709590	0.001360	
610 - 12.d	2.389368	0.007283	0.709857	0.001338	
610 - 13.d	2.391028	0.008164	0.709471	0.001473	
610 - 14.d	2.395403	0.007209	0.709752	0.001397	
610 - 15.d	2.388718	0.007235	0.709720	0.001469	
610 - 16.d	2.384849	0.006902	0.708944	0.001305	
610 - 17.d	2.390509	0.007320	0.710152	0.001548	
610 - 18.d	2.391698	0.007660	0.709859	0.001373	
610 - 19.d	2.391637	0.008387	0.708597	0.001298	
610 - 20.d	2.389029	0.008355	0.709786	0.001291	
610 - 21.d	2.389691	0.008150	0.709566	0.001365	
610 - 22.d	2.390030	0.008596	0.710106	0.001438	
610 - 23.d	2.393124	0.008419	0.710588	0.001520	
610 - 24.d	2.387871	0.008150	0.710493	0.001346	
610 - 25.d	2.387344	0.007963	0.709514	0.001360	
610 - 26.d	2.394117	0.006951	0.710305	0.001324	
610 - 27.d	2.385343	0.007168	0.710003	0.001446	
610 - 28.d	2.393678	0.007704	0.710861	0.001580	
610 - 29.d	2.388094	0.008282	0.709554	0.001414	
610 - 30.d	2.386372	0.008773	0.709740	0.001486	
610 - 31.d	2.394678	0.008299	0.709790	0.001367	
610 - 32.d	2.389694	0.007317	0.710014	0.001282	
610 - 33.d	2.391845	0.007639	0.709306	0.001381	
610 - 34.d	2.391201	0.008655	0.708986	0.001450	
610 - 35.d	2.386518	0.007005	0.709091	0.001436	
610 - 36.d	2.388878	0.007236	0.709036	0.001382	
610 - 37.d	2.391345	0.006783	0.709490	0.001397	
610 - 38.d	2.391072	0.007860	0.709377	0.001611	
610 - 39.d	2.388017	0.006908	0.709845	0.001198	
610 - 40.d	2.388647	0.007808	0.709026	0.001369	
610 - 41.d	2.395757	0.007266	0.710441	0.001280	
610 - 42.d	2.390626	0.007453	0.710399	0.001407	
610 - 43.d	2.385147	0.007035	0.709295	0.001378	
610 - 44.d	2.390563	0.006682	0.709082	0.001356	
610 - 45.d	2.390919	0.006845	0.710195	0.001116	

G_NIST612

612 - 1.d	1.174725	0.006300	0.711273	0.003070
612 - 2.d	1.168822	0.006617	0.711926	0.004043
612 - 3.d	1.171809	0.006188	0.711604	0.003334
612 - 4.d	1.166700	0.006915	0.709004	0.003702
612 - 5.d	1.166750	0.006348	0.708850	0.003147
612 - 6.d	1.163611	0.006963	0.708868	0.003658
612 - 7.d	1.169870	0.006204	0.708854	0.003158
612 - 8.d	1.162167	0.006880	0.711205	0.003477
612 - 9.d	1.159625	0.006444	0.709296	0.003071
612 - 10.d	1.152464	0.006334	0.712424	0.003100
612 - 11.d	1.148461	0.004920	0.709404	0.003270
612 - 12.d	1.157328	0.005777	0.710594	0.002857
612 - 13.d	1.148471	0.006451	0.710119	0.003272
612 - 14.d	1.144014	0.006310	0.708188	0.003099
612 - 15.d	1.143845	0.007073	0.711096	0.003803
612 - 16.d	1.145325	0.006361	0.711303	0.003176
612 - 17.d	1.145956	0.006841	0.709221	0.003456
612 - 18.d	1.144893	0.006327	0.709943	0.003169
612 - 19.d	1.140989	0.007005	0.706844	0.003251
612 - 20.d	1.137264	0.007452	0.707862	0.003249
612 - 21.d	1.137551	0.006224	0.706891	0.002918
612 - 22.d	1.133388	0.006489	0.709068	0.003625
612 - 23.d	1.137805	0.006743	0.711178	0.003142
612 - 24.d	1.135993	0.006518	0.710141	0.003180
612 - 25.d	1.135596	0.006494	0.710250	0.003326
612 - 26.d	1.136071	0.007244	0.710582	0.003006
612 - 27.d	1.139393	0.006006	0.712790	0.003324
612 - 28.d	1.137599	0.005725	0.708750	0.003109
612 - 29.d	1.131374	0.005263	0.709925	0.003085
612 - 30.d	1.127886	0.006563	0.710342	0.002978
612 - 31.d	1.130881	0.006412	0.711286	0.003166
612 - 32.d	1.129247	0.006845	0.708961	0.003551
612 - 33.d	1.129922	0.006633	0.710205	0.003563
612 - 34.d	1.131036	0.005772	0.708508	0.003187
612 - 35.d	1.134253	0.005631	0.710260	0.003296
612 - 36.d	1.128696	0.006787	0.712297	0.003991
612 - 37.d	1.128315	0.005882	0.707937	0.003111
612 - 38.d	1.126663	0.007222	0.709059	0.003415
612 - 39.d	1.121211	0.006594	0.708911	0.002859
612 - 40.d	1.124202	0.006046	0.710681	0.003321
612 - 41.d	1.120940	0.006784	0.707053	0.003154
612 - 42.d	1.119014	0.006361	0.710325	0.003748
612 - 43.d	1.115843	0.006018	0.707763	0.003043
612 - 44.d	1.116461	0.005947	0.710773	0.003211
612 - 45.d	1.118910	0.005620	0.708640	0.003097

LaPosta

LaPosta-Bt - 1.d	800.651	28.795	1.662	0.061	737.928	30.970
LaPosta-Bt - 2.d	721.817	21.082	1.621	0.066	665.269	24.180

LaPosta-Bt - 3.d	721.389	21.624	1.577	0.058	664.875	24.578
LaPosta-Bt - 4.d	657.588	19.701	1.520	0.055	606.072	22.396
LaPosta-Bt - 5.d	398.549	9.622	1.172	0.030	367.326	11.908
LaPosta-Bt - 6.d	1512.718	56.160	2.526	0.109	1394.210	59.907
LaPosta-Bt - 7.d	1469.608	57.198	2.494	0.108	1354.478	60.314
LaPosta-Bt - 8.d	1906.229	83.243	2.884	0.132	1756.893	85.620
LaPosta-Bt - 9.d	2038.431	87.661	3.115	0.150	1878.739	90.440
LaPosta-Bt - 10.d	2014.606	77.797	3.096	0.124	1856.780	82.187
LaPosta-Bt - 11.d	558.219	41.946	1.368	0.058	514.488	40.230
LaPosta-Bt - 12.d	858.669	23.516	1.756	0.058	791.400	27.620
LaPosta-Bt - 13.d	798.074	23.135	1.674	0.056	735.552	26.606
LaPosta-Bt - 14.d	710.017	28.440	1.564	0.057	654.394	29.791
LaPosta-Bt - 15.d	243.649	4.505	0.981	0.022	224.562	6.391
LaPosta-Bt - 16.d	315.198	7.585	1.054	0.024	290.505	9.401
LaPosta-Bt - 17.d	388.322	19.298	1.151	0.035	357.901	19.398
LaPosta-Bt - 18.d	825.697	22.539	1.641	0.058	761.011	26.506
LaPosta-Bt - 19.d	784.724	32.391	1.604	0.052	723.248	33.705
LaPosta-Bt - 20.d	523.652	32.485	1.297	0.049	482.629	31.708
LaPosta-Bt - 21.d	241.108	10.992	1.008	0.026	222.219	11.214
LaPosta-Bt - 22.d	226.948	5.023	1.000	0.024	209.169	6.473
LaPosta-Bt - 23.d	229.431	4.761	0.985	0.024	211.457	6.339
LaPosta-Bt - 24.d	320.938	6.346	1.075	0.026	295.795	8.669
LaPosta-Bt - 25.d	205.389	4.698	0.978	0.023	189.299	5.960
LaPosta-Bt - 26.d	211.237	3.891	0.970	0.023	194.689	5.532
LaPosta-Bt - 27.d	35.855	1.167	0.752	0.008	33.046	1.291
LaPosta-Bt - 28.d	27.908	1.002	0.750	0.008	25.722	1.078
LaPosta-Bt - 29.d	213.161	8.631	0.968	0.027	196.462	9.019
LaPosta-Bt - 30.d	61.263	3.876	0.775	0.012	56.464	3.775

MtDrom

MtDrom-Bt - 1.d	51.425	0.606	0.773	0.008	47.397	1.167
MtDrom-Bt - 2.d	46.903	0.601	0.767	0.007	43.229	1.087
MtDrom-Bt - 3.d	50.322	0.503	0.770	0.008	46.380	1.105
MtDrom-Bt - 4.d	49.228	0.475	0.774	0.009	45.371	1.075
MtDrom-Bt - 5.d	46.695	0.397	0.769	0.007	43.037	1.000
MtDrom-Bt - 6.d	45.990	0.414	0.767	0.007	42.387	0.993
MtDrom-Bt - 7.d	45.063	0.417	0.760	0.006	41.533	0.977
MtDrom-Bt - 8.d	43.894	0.404	0.760	0.007	40.456	0.951
MtDrom-Bt - 9.d	43.937	0.408	0.765	0.007	40.495	0.953
MtDrom-Bt - 10.d	42.073	0.387	0.767	0.007	38.777	0.912
MtDrom-Bt - 11.d	34.626	0.239	0.749	0.006	31.913	0.725
MtDrom-Bt - 12.d	32.849	0.257	0.749	0.006	30.276	0.696
MtDrom-Bt - 13.d	31.749	0.297	0.745	0.006	29.261	0.690
MtDrom-Bt - 14.d	44.621	0.500	0.760	0.006	41.125	1.002
MtDrom-Bt - 15.d	42.361	0.505	0.755	0.007	39.043	0.964
MtDrom-Bt - 16.d	40.044	0.529	0.757	0.006	36.907	0.935
MtDrom-Bt - 17.d	41.481	0.500	0.758	0.006	38.231	0.947
MtDrom-Bt - 18.d	31.310	0.255	0.743	0.006	28.857	0.667
MtDrom-Bt - 19.d	33.590	0.443	0.749	0.006	30.959	0.784
MtDrom-Bt - 20.d	34.777	0.589	0.750	0.007	32.053	0.881

MtDrom-Bt - 21.d	37.163	0.410	0.755	0.005	34.252	0.832
MtDrom-Bt - 22.d	34.386	0.338	0.746	0.005	31.692	0.753
MtDrom-Bt - 23.d	33.675	0.313	0.744	0.005	31.037	0.731
MtDrom-Bt - 24.d	33.278	0.342	0.749	0.006	30.671	0.735
MtDrom-Bt - 25.d	33.344	0.328	0.749	0.005	30.732	0.730
MtDrom-Bt - 26.d	33.510	0.376	0.751	0.006	30.885	0.753
MtDrom-Bt - 27.d	35.072	0.372	0.748	0.006	32.324	0.779
MtDrom-Bt - 28.d	36.949	0.340	0.754	0.006	34.055	0.801
MtDrom-Bt - 29.d	37.446	0.361	0.750	0.006	34.512	0.817
MtDrom-Bt - 30.d	39.332	0.347	0.755	0.006	36.250	0.847

MicaMg

MicaMG - 12.d	171.068	2.633	1.859	0.014	157.666	4.186
MicaMG - 15.d	169.017	2.274	1.858	0.015	155.776	3.968
MicaMG - 16.d	175.796	3.736	1.869	0.016	162.024	4.914
MicaMG - 17.d	173.312	3.756	1.876	0.017	159.735	4.891
MicaMG - 18.d	174.800	3.609	1.869	0.015	161.106	4.818
MicaMG - 22.d	169.029	2.493	1.878	0.015	155.787	4.079
MicaMG - 23.d	169.167	2.805	1.882	0.013	155.915	4.250
MicaMG - 24.d	175.201	4.472	1.873	0.015	161.476	5.403
MicaMG - 26.d	168.440	3.981	1.840	0.015	155.244	4.974
MicaMG - 27.d	172.667	3.226	1.877	0.017	159.140	4.549
MicaMG - 28.d	171.810	2.260	1.862	0.013	158.351	4.009
MicaMG - 30.d	168.251	2.646	1.859	0.017	155.070	4.148
MicaMG - 31.d	173.270	4.090	1.860	0.016	159.696	5.113
MicaMG - 32.d	171.810	2.498	1.871	0.015	158.350	4.127
MicaMG - 33.d	170.168	3.555	1.874	0.015	156.837	4.716
MicaMG - 34.d	166.425	2.480	1.875	0.016	153.387	4.029
MicaMG - 35.d	170.674	3.344	1.852	0.015	157.304	4.591
MicaMG - 37.d	167.092	3.225	1.864	0.016	154.002	4.465
MicaMG - 38.d	165.156	2.721	1.856	0.023	152.218	4.139
MicaMG - 39.d	168.755	3.649	1.864	0.015	155.535	4.758
MicaMG - 42.d	166.616	2.719	1.866	0.015	153.563	4.161
MicaMG - 43.d	170.127	3.938	1.869	0.015	156.800	4.968
MicaMG - 45.d	164.750	2.761	1.850	0.014	151.844	4.155

ected ratios

$^{87}\text{Sr}/^{86}\text{Sr}$ ^{86}Sr (2SE, prop)

1.662	0.061
1.621	0.066

1.577	0.058
1.520	0.055
1.172	0.030
2.526	0.109
2.494	0.108
2.884	0.132
3.115	0.150
3.096	0.124
1.368	0.058
1.756	0.058
1.674	0.056
1.564	0.057
0.981	0.022
1.054	0.024
1.151	0.035
1.641	0.058
1.604	0.052
1.297	0.049
1.008	0.026
1.000	0.024
0.985	0.024
1.075	0.026
0.978	0.023
0.970	0.023
0.752	0.008
0.750	0.008
0.968	0.027
0.775	0.012

0.773	0.008
0.767	0.007
0.770	0.008
0.774	0.009
0.769	0.007
0.767	0.007
0.760	0.006
0.760	0.007
0.765	0.007
0.767	0.007
0.749	0.006
0.749	0.006
0.745	0.006
0.760	0.006
0.755	0.007
0.757	0.006
0.758	0.006
0.743	0.006
0.749	0.006
0.750	0.007

0.755	0.005
0.746	0.005
0.744	0.005
0.749	0.006
0.749	0.005
0.751	0.006
0.748	0.006
0.754	0.006
0.750	0.006
0.755	0.006

1.859	0.014
1.858	0.015
1.869	0.016
1.876	0.017
1.869	0.015
1.878	0.015
1.882	0.013
1.873	0.015
1.840	0.015
1.877	0.017
1.862	0.013
1.859	0.017
1.860	0.016
1.871	0.015
1.874	0.015
1.875	0.016
1.852	0.015
1.864	0.016
1.856	0.023
1.864	0.015
1.866	0.015
1.869	0.015
1.850	0.014