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PSEUDOSECTION MODELING AND U-Pb GEOCHRONOLOGY ON PIRANGA SCHISTS: ROLE OF BRASILIANO OROGENY IN THE SOUTHEASTERN QUADRILÁTERO FERRÍFERO, MINAS GERAIS, BRAZIL

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ME07 and ME08 monazite chemical data.

Sample	Grain/spot number	No.	Y_2O_3	SiO_2	UO_2	PbO	CaO	ThO_2	P_2O_5	Gd_2O_3	Sm_2O_3	Nd_2O_3	Pr_2O_3	Ce_2O_3	La_2O_3	Total
ME08	Mnz11-4	4,000	0,451	0,203	0,505	0,126	1,062	4,020	27,080	1,102	2,066	12,349	2,886	30,848	17,401	100,099
ME08	Mnz12-1	6,000	0,295	0,144	0,394	0,088	0,781	2,886	27,483	1,074	1,863	11,832	2,976	32,127	19,275	101,218
ME08	Mnz12-3	8,000	0,317	0,297	0,548	0,164	1,390	5,780	27,149	1,125	1,895	11,542	2,886	30,097	17,622	100,812
ME08	Mnz12-6	11,000	0,480	0,158	0,875	0,143	1,064	3,492	27,423	0,936	1,766	11,184	2,850	31,511	18,994	100,876
ME08	Mnz12-8	13,000	0,416	0,120	0,548	0,097	0,807	2,796	28,122	0,975	1,714	11,087	2,826	32,148	19,886	101,542
ME08	Mnz13-2	15,000	0,291	0,168	0,485	0,093	0,792	2,831	28,151	1,296	2,180	12,863	2,969	31,454	18,731	102,304
ME08	Mnz13-3	16,000	0,508	0,425	0,453	0,102	0,826	2,849	30,054	1,141	1,989	12,410	2,950	31,470	17,581	102,758
ME08	Mnz14-2	20,000	0,544	0,223	0,619	0,131	1,185	4,219	27,638	1,124	2,038	12,284	2,951	30,806	17,387	101,149
ME08	Mnz14-3	21,000	0,487	0,196	0,467	0,124	1,080	3,971	27,755	1,127	1,961	12,449	2,959	31,181	17,330	101,087
ME08	Mnz14-4	22,000	0,835	0,170	0,456	0,108	1,017	3,621	27,825	1,308	2,041	12,473	2,951	30,810	16,900	100,515
ME08	Mnz15-2	24,000	0,357	0,174	0,511	0,119	1,069	3,842	27,525	1,220	2,104	12,346	3,129	31,061	17,606	101,063
ME08	Mnz16-6	33,000	0,401	0,183	0,406	0,101	0,946	3,437	27,194	1,126	2,036	12,514	3,069	31,635	17,675	100,723
ME08	Mnz16-9	36,000	0,426	0,182	0,465	0,116	1,066	3,987	27,400	1,137	2,040	12,341	3,033	31,086	17,582	100,861
ME08	Mnz1-2	2,000	0,420	0,175	0,534	0,129	1,190	4,295	27,803	1,275	2,143	12,461	3,005	30,648	17,371	101,449
ME08	Mnz1-4	4,000	0,499	0,153	0,476	0,104	0,952	3,422	27,622	1,143	2,091	12,511	3,021	31,224	17,868	101,086
ME08	Mnz1-5	5,000	0,513	0,157	0,540	0,103	0,927	3,144	27,848	1,168	2,063	12,690	2,988	31,686	17,646	101,473
ME08	Mnz1-7	7,000	0,479	0,147	0,478	0,091	0,831	2,796	27,617	1,150	2,084	12,718	3,040	31,634	17,785	100,850
ME08	Mnz1-9	9,000	0,514	0,156	0,543	0,112	0,945	3,227	27,960	1,157	2,075	12,591	3,100	31,496	17,698	101,574
ME08	Mnz2-1	10,000	0,444	0,303	0,560	0,161	1,421	5,665	27,495	1,070	1,924	11,876	2,944	29,776	16,856	100,495
ME08	Mnz2-2	11,000	0,577	0,145	0,450	0,095	0,900	3,124	27,708	1,125	2,006	12,488	3,019	31,762	17,991	101,390
ME08	Mnz2-6	15,000	0,539	0,164	0,530	0,109	0,964	3,493	27,611	1,162	2,068	12,541	3,008	31,382	17,574	101,145
ME08	Mnz3-1	22,000	0,532	0,221	0,498	0,130	1,240	4,674	27,350	1,134	1,950	12,269	3,016	30,635	17,137	100,786
ME08	Mnz3-2	23,000	0,750	0,125	0,427	0,092	0,908	3,076	27,595	1,206	2,094	12,470	3,109	31,322	17,641	100,815
ME08	Mnz3-3	24,000	0,540	0,149	0,480	0,107	0,994	3,450	27,598	1,190	2,047	12,350	3,020	31,506	17,647	101,078
ME08	Mnz3-8	29,000	0,406	0,199	0,519	0,121	1,113	4,118	27,492	1,256	2,081	12,457	3,017	30,774	17,340	100,893

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ME07 and ME08 monazite chemical data.

Sample	Grain/spot number	No.	Y_2O_3	SiO_2	UO_2	PbO	CaO	ThO_2	P_2O_5	Gd_2O_3	Sm_2O_3	Nd_2O_3	Pr_2O_3	Ce_2O_3	La_2O_3	Total
ME08	Mnz3-9	30,000	0,412	0,268	0,533	0,141	1,220	4,761	27,323	1,279	2,193	12,480	2,907	30,423	17,145	101,085
ME08	Mnz4-4	36,000	0,288	0,162	0,517	0,098	0,862	2,957	27,659	1,302	2,188	12,815	3,003	31,359	18,150	101,360
ME08	Mnz4-6	38,000	0,328	0,169	0,481	0,098	0,890	3,199	27,539	1,298	2,269	12,920	2,988	31,305	17,847	101,331
ME08	Mnz4-8	40,000	0,394	0,128	0,436	0,082	0,743	2,498	27,509	1,196	2,133	12,577	3,136	31,853	18,350	101,035
ME08	Mnz4-10	42,000	0,327	0,209	0,585	0,121	1,086	3,944	27,500	1,263	2,195	12,374	3,039	30,589	17,534	100,766
ME08	Mnz4-14	46,000	0,499	0,253	0,561	0,142	1,245	4,844	27,451	1,096	1,958	12,218	2,991	30,617	17,387	101,262
ME08	Mnz4-16	48,000	0,522	0,158	0,501	0,106	0,964	3,541	27,460	1,128	2,040	12,441	2,948	31,083	17,672	100,564
ME08	Mnz5-2	51,000	0,477	0,266	0,520	0,128	1,137	4,387	26,405	1,129	1,954	12,350	2,971	30,822	17,356	99,902
ME08	Mnz6-2	55,000	0,571	0,181	0,650	0,135	1,199	4,251	27,137	1,203	2,122	12,547	3,053	30,501	16,980	100,530
ME08	Mnz6-3	56,000	0,539	0,193	0,554	0,126	1,133	4,062	27,496	1,208	2,051	12,432	3,119	30,660	17,359	100,932
ME08	Mnz6-4	57,000	0,581	0,264	0,776	0,197	1,757	6,635	27,364	1,210	2,060	11,888	2,926	28,811	16,285	100,754
ME08	Mnz6-11	64,000	0,483	0,311	0,522	0,156	1,410	5,836	27,065	1,089	1,929	12,060	2,834	29,907	17,095	100,697
ME08	Mnz6-12	65,000	0,535	0,157	0,429	0,100	0,932	3,343	27,355	1,097	2,063	12,551	3,135	31,862	17,909	101,468
ME08	Mnz6-13	66,000	0,476	0,199	0,528	0,114	1,044	3,813	27,368	1,165	1,978	12,554	3,144	30,925	17,368	100,676
ME08	Mnz6-14	67,000	0,482	0,225	0,549	0,133	1,133	4,257	27,354	1,147	2,039	12,353	3,005	30,641	17,201	100,519
ME08	Mnz7-1	72,000	0,497	0,298	0,519	0,131	1,137	4,242	26,935	1,123	2,055	12,313	3,013	30,810	17,666	100,739
ME08	Mnz7-4	75,000	0,352	0,174	0,586	0,134	1,214	4,258	27,012	1,270	2,124	12,386	3,029	30,732	17,492	100,763
ME08	Mnz7-12	83,000	0,497	0,243	0,500	0,129	1,181	4,554	27,291	1,137	2,034	12,165	2,985	30,800	17,327	100,843
ME08	Mnz8-3	88,000	0,670	0,325	0,855	0,225	1,954	7,314	27,229	1,183	1,955	11,578	2,607	28,400	15,925	100,220
ME08	Mnz8-7	92,000	0,558	0,177	0,462	0,107	0,980	3,574	26,987	1,154	2,008	12,476	3,007	31,323	17,580	100,393
ME08	Mnz9-4	96,000	0,423	0,151	0,532	0,104	0,895	2,985	27,323	1,165	1,995	12,368	3,016	31,792	17,916	100,665
ME08	Mnz9-6	98,000	0,531	0,136	0,532	0,102	0,877	2,987	27,622	1,259	2,117	12,659	3,079	31,613	17,697	101,211
ME08	Mnz9-11	103,000	0,427	0,119	0,452	0,089	0,807	2,753	27,599	1,168	2,073	12,610	3,037	31,523	18,251	100,908
ME08	Mnz9-13	105,000	0,419	0,141	0,412	0,086	0,788	2,811	27,228	1,156	2,062	12,706	3,150	32,014	17,998	100,971
ME08	Mnz9-14	106,000	0,528	0,169	0,546	0,107	0,852	2,973	27,679	1,184	2,140	12,702	3,044	31,546	17,947	101,417

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ME07 and ME08 monazite chemical data.

Sample	Grain/spot number	No.	Y_2O_3	SiO_2	UO_2	PbO	CaO	ThO_2	P_2O_5	Gd_2O_3	Sm_2O_3	Nd_2O_3	Pr_2O_3	Ce_2O_3	La_2O_3	Total
ME08	Mnz9-16	108,000	0,574	0,254	0,630	0,127	1,154	4,142	27,446	1,197	2,140	12,296	2,960	30,543	17,371	100,834
ME08	Mnz10-1	110,000	0,451	0,205	0,581	0,124	1,117	4,045	27,129	1,284	2,111	12,466	3,044	30,906	17,618	101,081
ME08	Mnz10-3	112,000	0,377	0,193	0,638	0,128	1,148	4,122	27,451	1,339	2,124	12,477	2,986	30,978	17,506	101,467
ME08	Mnz10-12	121,000	0,260	0,118	0,504	0,084	0,721	2,396	27,702	1,368	2,161	12,663	3,049	31,854	18,148	101,028
ME08	Mnz10-13	122,000	0,301	0,168	0,504	0,096	0,839	2,977	27,651	1,315	2,235	12,652	3,003	31,465	17,837	101,043
ME08	Mnz10-15	124,000	0,369	0,180	0,383	0,092	0,817	2,974	27,967	1,214	2,155	12,725	3,080	31,795	17,947	101,698
ME08	Mnz10-16	125,000	0,529	0,136	0,473	0,095	0,824	2,810	27,612	1,150	2,021	12,411	3,132	31,887	18,015	101,095
ME07	Mnz_01-1	1,000	0,226	0,296	0,510	0,133	1,280	4,749	27,667	1,088	1,941	11,632	2,936	31,365	15,058	98,881
ME07	Mnz_01-6	6,000	0,247	0,288	0,497	0,140	1,321	4,969	27,821	1,000	1,992	11,563	2,902	31,487	14,739	98,966
ME07	Mnz_02-1	7,000	0,257	0,309	0,556	0,162	1,456	5,467	28,217	0,910	1,864	11,312	2,893	31,636	15,247	100,286
ME07	Mnz_02-2	8,000	0,317	0,314	0,539	0,155	1,334	5,035	28,202	0,938	1,914	11,488	2,891	31,793	15,393	100,313
ME07	Mnz_02-3	9,000	0,000	0,371	0,479	0,179	1,700	6,673	28,082	0,621	1,781	11,408	2,909	31,516	15,349	101,068
ME07	Mnz_03-4	13,000	0,049	0,373	0,496	0,175	1,673	6,452	26,937	0,671	1,743	11,262	2,846	31,681	15,201	99,559
ME07	Mnz_03-5	14,000	0,025	0,378	0,508	0,162	1,510	5,704	26,541	0,792	1,863	11,532	2,868	31,203	15,181	98,267
ME07	Mnz_04-1	15,000	0,000	0,306	0,518	0,162	1,553	5,823	27,979	0,707	1,749	11,529	2,876	31,540	15,199	99,941
ME07	Mnz_04-3	17,000	0,005	0,455	0,534	0,151	1,518	5,390	26,158	0,764	1,861	11,465	2,856	31,243	14,932	97,332
ME07	Mnz_05-1	19,000	0,780	0,243	0,609	0,157	1,400	5,015	28,383	1,469	2,062	11,322	2,850	30,591	14,842	99,723
ME07	Mnz_05-2	20,000	0,641	0,350	0,584	0,172	1,638	6,163	28,060	1,361	2,029	10,944	2,729	29,944	14,368	98,983
ME07	Mnz_05-3	21,000	0,671	0,355	0,557	0,179	1,644	6,143	27,907	1,325	2,000	11,099	2,755	30,020	14,608	99,263
ME07	Mnz_06-5	27,000	0,256	1,055	0,556	0,152	1,448	5,388	27,320	1,027	1,941	11,270	2,887	31,180	15,219	99,699
ME07	Mnz_08-1	28,000	0,319	0,486	0,542	0,157	1,468	5,687	27,151	0,986	1,934	11,204	2,763	30,609	14,953	98,259
ME07	Mnz_09-3	33,000	0,925	0,865	0,674	0,170	1,496	5,500	26,726	1,372	2,054	11,616	2,860	29,844	14,143	98,245
ME07	Mnz_10-2	37,000	0,086	0,271	0,561	0,148	1,284	4,817	27,787	0,702	1,764	11,526	2,903	32,065	15,764	99,678
ME07	Mnz_10-3	38,000	0,000	0,241	0,533	0,140	1,280	4,825	27,776	0,614	1,804	11,542	2,919	32,552	15,865	100,091
ME07	Mnz_10-6	41,000	0,000	0,305	0,527	0,153	1,358	5,234	27,543	0,579	1,729	11,377	2,887	32,218	15,953	99,863

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ME07 and ME08 monazite chemical data.

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ME07	Mnz_10-7	42,000	0,000	0,383	0,653	0,168	1,596	5,888	27,925	0,727	1,806	11,496	2,848	31,514	15,437	100,441
ME07	Mnz_11-1	45,000	0,139	0,335	0,474	0,166	1,530	6,059	27,214	0,838	1,852	11,455	2,870	30,950	14,861	98,743
ME07	Mnz_11-2	46,000	0,128	0,363	0,480	0,157	1,525	5,966	26,108	0,849	1,899	11,591	2,889	31,264	15,005	98,224