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| Supplementary Table 1. Compilation of late Paleoproterozoic (ca. 1.76 Ga) igneous ages in east Gondwana |
| Region | area | Lithology | igneous age (Ma) | metamorphic age (Ma) | note | Method | Reference |
| NW India | Aravalli | A-type granites | 1730–1700 |  | extensional setting | LA–MC–ICP–MS | Kaur et al. (2017b) |
| NW India | Aravalli | A-type granites | 1800–1710 |  |  | EPMA | Biju-Sekhar et al. (2002, 2003) |
| NW India | Aravalli | trondhjemitic variety | 1725 ±13 |  | Ajitgarh pluton | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | pink alkali granite | 1719 ± 13 |  | Ajitgarh pluton | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | gray alkali granite | 1741 ± 15 |  | Ajitgarh pluton | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli |  | 1745 ± 11 |  | Barodiya pluton | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | porphyritic gray granite | 1727 ±11 |  | Bairath | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | foliated non–porphyritic type | 1711 ± 10 |  | Bairath | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | porphyritic pink variety | 1741 ± 10 |  | Bairath | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | pink granite | 1802 ± 39 |  | Harsora Granite | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | pink granite | 1770 ± 10 |  | Harsora Granite | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | granite | 1728 ± 16 |  | Dadikar Granite | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | granite | 1726 ± 11 |  | Dadikar Granite | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | granite | 1685 ± 14 |  | Dadikar Granite | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | mesocratic gneiss containing well developed feldspar augens | 1753 ± 30 |  | Aravalli Fold Belt (AFB), Anjana Granite | EPMA | Biju-Sekhar et al. (2003) |
| NW India | Aravalli | NDFB intrusive granites | 1780–1710 |  | northern Aravalli orogen | SHRIMP | Kaur et al. (2006) |
| NW India | Aravalli | A-type granites | 1780–1726 |  | northern Aravalli orogen | SHRIMP | Biju-Sekhar et al. (2003), Gupta et al. (1998), Kaur et al. (2017a) |
| NW India | Aravalli | Harsora A2-granite | 1720–1700 |  | northern Aravalli orogen | SHRIMP | Kaur et al. (2017a) |
| NW India | Aravalli | Dadikar A2-granite | 1720–1700 |  | northern Aravalli orogen | SHRIMP | Kaur et al. (2017a) |
| NW India | Aravalli | Ajitgarh pluton, gray | 1741 ±15 |  | northern Aravalli orogen | SHRIMP | Biju Sekhar et al. (2002) |
| NE India | Bangladesh | granitic pegmatite | 1722 ± 10 |  | I-type suites formed within subduction-related magmatism | SHRIMP | Hossain et al. (2018) |
| NE India | Bangladesh | diorite | 1730 ± 11 |  |  | SHRIMP | Hossain et al. (2007) |
| NE India | Bangladesh | tonalite | 1722 ± 6 |  |  | SHRIMP | Ameen et al. (2007) |
| India | Central India Tectonic Zone (CITZ) | Harnakachar Granitoids | 1710 |  | Mahakoshal Belt | SHRIMP | Bora et al. (2013) |
| India | CITZ | Katoli Granitoids | 1730 |  | Mahakoshal Belt | SHRIMP | Bora et al. (2013) |
| India | CITZ | Jhirgadandi Granitoids | 1750 |  | Mahakoshal Belt | SHRIMP | Bora et al. (2013) |
| India | CITZ | Raspahari Granitoids | 1750 |  | Mahakoshal Belt | SHRIMP | Bora et al. (2013) |
| India | CITZ | Tumiya Granitoids | 1780 |  | Mahakoshal Belt | SHRIMP | Bora et al. (2013) |
| India | CITZ | Nerueadamar Granitoids | 1880 |  | Mahakoshal Belt | SHRIMP | Bora et al. (2013) |
| India | Eastern Ghats | Western Charnockite | 1700–1600 |  |  | SHRIMP | Kovach et al. (2001) |
| India | Eastern Ghats | Western Charnockite | 2800 |  |  | SHRIMP | Kovach et al. (2001) |
| India | Eastern Ghats | pegmatite | 1672 ± 4 |  |  | SHRIMP | Mezger and Cosca (1999a) |
| India | Eastern Ghats | allanite and monazites | 1632–1350 |  |  | SHRIMP | Mezger and Cosca (1999a) |
| India | Eastern Ghats | monazite | 1450–1390 |  |  | EPMA | Kovach et al. (2001) |
| India | Eastern Ghats | granulite | 1500 |  | Koraput Alkaline Complex | LA–MC–ICP–MS | Nanda et al. (2018) |
| India | Eastern Ghats | basic and felsic plutonic | 1700 |  | Ongole Domain | U–Th–Pb Monazite | Simmat and Raith (2008) |
| India | Eastern Ghats | anorthosite | 1690 |  | Kondapalle、arctype | SHRIMP | Dharma Rao et al. (2012) |
| India | Eastern Ghats | charnockite | 1720 |  | Kondapalle、arctype | SHRIMP | Kovach et al. (2001) |
| India | Eastern Ghats | granulite | 1600–1400 |  | oldest tectonothermal event | 40Ar–39Ar | Mezger and Cosca (1999b) |
| India | Eastern Ghats | Migmatite |  | 1762 ± 9 | Domain 1A | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | gneiss | 1614 ± 4 |  | Domain 1A | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | pegmatoidal enderbite | 1616 ± 2 – 1606 ± 10 |  | Domain 1A | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | aluminous granulite | 1880 |  | Domain 2 | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | aluminous granulite | 1759 ± 16 |  | Domain 2；inherited magmatic | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | aluminous granulite | 1701 ± 14 |  | Domain 2；inherited magmatic | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | aluminous granulite | 1780–1465 |  | Domain 2；inherited magmatic | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | Opx–felsic gneiss | 1716 |  | Domain 2；inherited magmatic | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | granite pegmatite | 1811–1456 |  | Domain 2；inherited magmatic | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | granitoid | 1760–1460 |  | Domain 2；inherited magmatic | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | granitic | 1720–1704 |  | Ongole Domain | SHRIMP | Chetty (2017) |
| India | Eastern Ghats | Kondapalli Magmatic Arc | 1850 |  | Ongole Domain, suprasubduction zone | SHRIMP | Vijaya Kumar et al. (2011) |
| India | Eastern Ghats | consists dominantly of gabbroic and anorthositic rocks, with subordinate ultramafic rocks | 1850–1700 |  | Ongole Domain, Kondapalli Layered complex, subduction–related arc magmatism | SHRIMP | Kumar and Leelanandam (2008), Leelanandam and Kumar (2007), Vijaya Kumar et al. (2011) |
| India | Eastern Ghats | Kandra Complex | 1600 |  | Ongole Domain | SHRIMP | Vijaya Kumar et al. (2011) |
| India | Eastern Ghats | major tectonometamorphic event |  | 1670–1550 | Ongole Domain | SHRIMP | Dobmeier and Raith (2003) |
| India | Eastern Ghats | plagiogranite | 1330 |  | Ongole Domain, continental arc environment, Kanigiri Mélange | LA–ICP–MS | Dharma Rao et al. (2011) |
| India | Eastern Ghats | granulite facies |  | 1600–1650 | Ongole Domain | SHRIMP | Bose et al. (2011) |
| India | Eastern Ghats | basic and felsic plutonic | 1700 |  | Ongole Domain | Monazite U–Pb–Th | Simmat and Raith (2008) |
| Rudall | Talbot | granites | 1790 |  | pre– and post–tectonic | SHRIMP | Smithies and Bagas (1997) |
| Rudall | Talbot | granites | 1765 |  | pre– and post–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | granodiorite gneiss | 1972 ± 4 |  | pre–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | monzogranite gneiss | 1802 ± 14 |  | pos–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | monzogranite gneiss | 1801 ± 5 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | monzogranite gneiss | 1795 ± 17 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | monzogranite gneiss | 1792 ± 9 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | quartzite | 1790 ± 10 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | granodiorite gneiss | 1790 ± 17 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | syenogranite gneiss | 1787 ± 12 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | Aplite dyke | 1778 ± 16 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | granodiorite gneiss | 1778 ± 17 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | monzogranite gneiss | 1775 ± 10 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Talbot | K-feldspar augen orthogneiss | 1765 ± 15 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Connaughton | K-feldspar augen orthogneiss | 1777 ± 7 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Connaughton | K-feldspar augen orthogneiss | 1769 ± 7 |  | syn–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Tabletop | granodiorite | 1476 ± 10 |  | pre– and post–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Tabletop | foliated granite | 1310 ± 4 |  | post–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Tabletop | pegmatite | 1291 ± 10 |  | post–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Tabletop | monzogranite | 1286 ± 6 |  | post–tectonic | SHRIMP | Nelson (1998) |
| Rudall | Tabletop | garnet–bearing microgneiss | 1222 ± 63 |  | post–tectonic | SHRIMP | Bagas (2004) |
| Gawler | Kimban | Donington and Colbert granitoid Suites | 1850 |  | plate–margin batholiths | SHRIMP | Hoek and Schaefer (1998) |
| Gawler | Kimban | Colbert Suite | 1760 |  | Pre– to syn–orogenic |  | Parker (1993) |
| Gawler | Kimban | Middle Camp granite | 1740 |  | Pre– to syn–orogenic |  | Parker (1993) |
| Gawler | Kimban | Middle camp Granite | 1740–1730 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Moonabie | McGregor Volcanic, A bimodal suite，acid, ash–flow tuffs and basaltic lava | 1740 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Nuyts | granite gneiss | 1762 ± 11 |  |  | SHRIMP | Cooper and Belousova (2004) |
| Gawler | Moonabie | Moody Suite | 1740–1730 |  |  | SHRIMP | Fanning et al. (2007) |
| Gawler | Moonabie | rhyolite | 1715 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Moonabie | granitic gneiss | 1697 ± 65 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Moonabie | porphyritic rhyolite | 1791 ± 4 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Mt Woods | quartzofeldspathic gneiss | 1742 ± 27 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Moonabie | porphyritic rhyolite | 1737 ± 5 |  |  | SHRIMP | Fanning et al. (1988) |
| Gawler | Moonta | gabbro | 1765 |  |  | SHRIMP | Johnson (1993) |
| Broken Hill |  | dacite dike |  | 1580 ± 5 |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Mundi intrusion |  | 1591 ± 5 |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Purnamoota road leucogneiss |  | 1597 ± 3 |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Hores Gneiss, metavolcaniclastic | 1685 ± 3 |  |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Alma Gneiss | 1704 ± 3 |  |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Rasp Ridge Gneiss | 1683 ± 3 |  |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Oakdale Granite Gneiss | 1695 ± 4 |  |  |  | Stevens (2006) |
| Broken Hill |  | Stephens Creek Granite Gneiss | 1689 ± 5 |  |  |  | Stevens (2006) |
| Broken Hill |  | Wondervale Well Granite Gneiss | 1685 ± 5 |  |  |  | Stevens (2006) |
| Broken Hill |  | Purnamoota Leucogneiss | 1597 ± 5 |  |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Cusin Creek Granite | 1596 ± 3 |  |  | SHRIMP | Gibson et al. (2005) |
| Broken Hill |  | Mundi Granite | 1591 ± 5 |  |  | SHRIMP | Gibson et al. (2005) |
| Mount Isa |  | granites | 1820 |  | I-type infracrustal sources | SHRIMP | Wyborn (1988) |
| Mount Isa |  | mafic extrusive | 1780–1760 |  |  | SHRIMP | Claoué Long (2007) |
| Mount Isa |  | Packsaddle Granite | 1725 |  |  | SHRIMP | Claoué Long (2007) |
| Mount Isa |  | Hobblechain Rhyolite | 1725 |  |  | SHRIMP | Claoué Long (2007) |
| Mount Isa |  | Tanumbirini Rhyolite | 1713 ± 7 |  |  | SHRIMP | Claoué Long (2007) |
| Mount Isa |  | felsic volcanic debris | 1708 ± 5 |  |  | SHRIMP | Jackson et al. (2000) |
| Mount Isa |  | Yeldham Granite | 1796 ± 3 |  |  | Xenotime TIMS | Wyborn (1988) |
| Mount Isa |  | alkali-feldspar granite | 1711 ± 3 |  |  | SHRIMP | Neumann et al. (2006) |
| Mount Isa |  | Top Rocky Rhyolite | 1725 ± 3 |  |  | SHRIMP | Page et al. (2000) |
| Mount Isa |  | foliated porphyritic granites and gneisses | 1758 ± 8 |  |  | SHRIMP | Pearson (1992) |
| Mount Isa |  | Burstall Granite and comagmatic Lunch Creek Gabbro | 1740–1735 |  |  | SHRIMP | Page (1983a) |
| Mount Isa |  | rhyolites | 1720 ± 7 |  |  | SHRIMP | Page (1983b) |
| Mount Isa |  | Gin Creek Granite | 1741 ± 7 |  |  | SHRIMP | Page and Sun (1998) |
| Mount Isa |  | Jessie Granite | 1746±8 |  | εNd(t) = –1.7 | SHRIMP | Page and Sun (1998) |
| Mount Isa |  | Double Crossing Metamorphics intrusive | 1740 ± 6 |  |  | SHRIMP | Page and Sun (1998) |
| Mount Isa | Magna Lynn | metamorphosed basalt | 1777 |  | SiO2<49% | SHRIMP | Wilson (1987) |
| Mount Isa | Argylla | andesite, dacite, rhyolite | 1777 |  | The high K2O (>5%) and total iron contents (5–7% in dacites and 2–5% in rhyolites) | SHRIMP | Wilson (1987) |
| Mount Isa |  | Eastern Creek Volcanics | 1700 |  | Both are marie (<50% SiO2) with tholeiitic affinities. | SHRIMP | Wilson (1987) |
| Mount Isa | Argylla | andesite, dacite, rhyolite | 1760 |  |  | SHRIMP | Claoué Long (2007) |
| Mount Isa | Leichhardt Metamorphics | granites | 1720 |  | S-type magmas derived bypartial melting of sedimentary crustal material | SHRIMP | Bierlein et al. (2011) |
| Mount Isa | Leichhardt Metamorphics | granites | 1775 |  | partial melting of a shale source at shallow depths so that garnet is not in the residue | SHRIMP | Bierlein et al. (2011) |
| Mount Isa | Leichhardt Metamorphics | granites | 1790 |  |  | SHRIMP | Wilson (1987) |
| Georgetown | Forsayth | amphibolite | 1675 ± 3 |  |  | SHRIMP | Black et al. (1998) |
| Georgetown | Forsayth | mafics | 1675 ± 3 |  |  | SHRIMP | Black et al. (1998) |
| Georgetown | Forsayth | leuco–gabbro | 1656 ± 2 |  |  | SHRIMP | Black et al. (1998) |
| Georgetown | Forsayth | granitic gneisses | 1684 ± 2 |  |  | SHRIMP | Black et al. (1998) |
| Georgetown | Forsayth | granitic gneisses | 1696 ± 2 |  |  | SHRIMP | Black et al. (2005) |
| Georgetown | Forsayth | felsic leucogneiss | 1707 ± 8 |  |  | SHRIMP | Black et al. (2005) |
| Georgetown | Forsayth | granites | 1560–1550 |  |  | SHRIMP | Black et al. (2005) |
| Georgetown | Forsayth | granites | 1550 ±6 |  | εNd(t) < 0 | SHRIMP | Black and McCulloch (1990) |
| Georgetown | Forsayth | Mistletoe Granite | 1544 ± 7 |  | εNd(t) < 0 | SHRIMP | Black and McCulloch (1990) |
| Georgetown | Forsayth | trondhjemite | 1650 ± 17 |  | εNd(t)< 0 | SHRIMP | Black and McCulloch (1990) |
| Georgetown | Forsayth | migmatitic gneiss | 1586 ± 5 |  | A, S-type | SHRIMP | Blewett and Black (1998) |
| Georgetown | Forsayth | biotite granite | 1558 ± 4 |  |  | SHRIMP | Black and McCulloch (1990) |
| Coen Region | Yambo | mafic igneous | 1586 ± 4 |  |  | SHRIMP | Blewett and Black (1998) |
| Coen Region | Yambo | granodioritic gneiss | 1585 ± 6 |  |  | SHRIMP | Blewett and Black (1998) |
| Coen Region | Yambo | granodioritic gneiss | 1576 ± 5 |  |  | SHRIMP | Blewett and Black (1998) |
| Coen Region | Yambo | mylonitic granitic gneiss | 1579 ± 4 |  |  | SHRIMP | Blewett and Black (1998) |
| southern Arunta |  | granite | 1770 ± 1750 |  | syn-tectonic and post-tectonic | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | biotite granodiorite | 1775 ± 27 |  | Jervois Granite | Whole–Rock Isochron | Black and McCulloch (1990) |
| southern Arunta | Aileron | biotite granodiorite | 1771 ± 6 |  | Jervois Granite, Barramundi–type suites | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | Barramundi granite | 1890–1830 |  |  | SHRIMP | Zhao and Cooper (1992 |
| southern Arunta | Aileron | Atnarpa Igneous | 1880–1850 |  |  | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | biotite–feldspar granitic gneiss | 1747 ± 9 |  | Jessie Gap Gneiss | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | quartzofeldspathic gneiss, amphibolite and biotite gneiss | 1771 ± 9 |  | tonalitic gneiss | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | granodiorite, granite,diorite, granitic gneiss, amphibolite and syenite | 1762 ± 9 |  | Atneequa Granitic Complex, εNd(t) = 0.22 | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Northern Territory | K-feldspar biotite granodiorite | 1743 ± 4 |  | Atneequa Granite | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | feldspar porphyritic granite | 1714 ± 3 |  | Jinka Granite | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | foliated biotite granite | 1805 ± 4 |  |  | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | biotite granite |  | 1710 ± 5 |  | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | gneissic granite | 1779 ± 3 | 1744 ± 4 | Huckitta, Jervois | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | feldspar porphyritic granite | 1746 ± 4 |  | Jervois | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | biotite granodiorite | 1773 ± 3 |  | Jervois | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | biotite granodiorite–tonalite | 1774 ± 5 |  | Jervois | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | feldspar porphyritic granodiorite | 1789 ± 3 |  | Jervois | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | foliated biotite monzogranite | 1791 ± 3 |  | Dneiper | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | quartz norite | 1780 ± 6 |  | Dneiper | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | petroleum well granite | 1802 ± 8 |  |  | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | foliated quartzbiotite schist/mylonite | 1794 ± 3 | 1769 ± 3 |  | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | tourmaline muscovite granite | 1740 ± 30 |  | Illogwa Creek\Limbla | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | muscovite granite | 1730 ± 8 |  |  | SHRIMP | Kositcin et al. (2011) |
| southern Arunta | Aileron | High–Al type | 1771 ± 6 |  | Jervois | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | grey, biotite–rich gneissic granite | 1762 ± 14 |  | Dneiper Granite | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | Huckitta Granodiorites | 1762 ± 3 |  | Entia Dome | SHRIMP | Maidment et al. (2005) |
| southern Arunta | Aileron | grey, biotite–rich gneissic granite Low–A1 type | 1771 ± 15 |  |  | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | Mount Swan Granite | 1713 ± 7 |  |  | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | Haverson suite | 1818 ± 8 |  |  | SHRIMP | Collins and Williams (1995) |
| southern Arunta | Aileron | High–Al type | 1747 ± 3 |  |  | SHRIMP | Foden et al. (1988) |
| southern Arunta | Aileron | Low–A1 type | 1780 ± 10 |  | Napperby Main suite, migmatitic quartzofeldspathicgneiss | SHRIMP | Collins and Williams (1995) |
| southern Arunta | Aileron | High–heat–production (HHP) Group | 1713 ± 7 |  | Jinka suite, Barrow Creek suite, Napperby HHP suite | SHRIMP | Warren (1990) |
| southern Arunta | Aileron | High–heat–production (HHP) Group | 1726 ± 4 |  | Wuluma suite | SHRIMP | Collins and Williams (1995) |
| southern Arunta | Aileron | High–heat–production (HHP) Group | 1726 ± 4 |  | Gumtree suite | SHRIMP | Warren (1990) |
| southern Arunta | Aileron | quartz–microcline–plagioclase–biotite gneiss | 1773 ± 4 |  | Inkamulla, arc–like | SHRIMP | Collins et al. (2005) |
| southern Arunta | Aileron | well–layered migmatitic plagioclase + quartz + K-feldspar + biotite + hornblende gneiss | 1762 ± 3 |  | Huckitta Granodiorites, arc–like | SHRIMP | Collins et al. (2005) |
| southern Arunta | Aileron | biotite granite | 1765 ± 4 |  | Casey Inlier | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | Granodiorite | 1776 ± 3 |  |  | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | Albarta Metamorphics |  | 1729 ± 3 |  | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | metapsammite |  | 1852 ± 6 | Casey Inlier | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | biotite leucogranite | 1770 ± 4 |  | Casey Inlier | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | migmatite | 1768 ± 5 |  | Casey Inlier | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | migmatite | 1723 ± 3 |  |  | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | low–grade metagabbro | 1771 ± 4.4 |  | Casey Inlier | SHRIMP | Carson et al. (2009) |
| southern Arunta | Aileron | magmatic rocks | 1780-1740 |  |  |  | Fields (2012) |
| southern Arunta | Aileron | Dwarf Well Granite | 1773 ± 6 |  | εHf(t) = –8.5 to –3.6 | SHRIMP | Hollis et al. (2013), Kirkland et al. (2009) |
| southern Arunta | Aileron | granite | 1767 ± 4 |  |  | SHRIMP | Worden et al. (2006) |
| southern Arunta | Aileron | granitic rocks | 1810–1800 |  |  | SHRIMP | Scrimgeour (2003) |
| southern Arunta | Aileron | pelitic migmatite | 1753 ± 7 |  |  | SHRIMP | Bodorkos et al. (2013) |
| southern Arunta | Aileron | felsic gneiss | 1771 ± 10 |  |  | SHRIMP | Wade et al. (2008) |
| southern Arunta | Aileron | granites and gabbro | 1780–1760 |  |  | SHRIMP | Claoué Long (2007) |
| southern Arunta | Aileron | granitic and mafic–includes apparent arc–related and A-type magmatism | 1760–1740 |  |  | SHRIMP | Scrimgeour (2003) |
| southern Arunta | Aileron | metasyenogranite | 1691 ± 5 |  |  | SHRIMP | Kirkland et al. (2009) |
| southern Arunta | Aileron | migmatitic orthogneiss | 1779 ± 5 |  | Jervois | SHRIMP | Kositcin et al. (2015) |
| southern Arunta | Aileron | psammitic gneiss | 1763 ± 6 |  |  | SHRIMP | Bodorkos et al. (2013) |
| southern Arunta | Aileron | Alice Springs Granite | 1752 ± 11 |  | Calcalkaline–Trondhjentitic (CAT) Group | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Aileron | Alice Springs Granite | 1860 ± 20 |  | CAT Group, inheritance age | SHRIMP | Zhao and Bennett (1995) |
| southern Arunta | Warumpi | granite | 1643 ± 4 |  |  | SHRIMP | Hollis et al. (2013) |
| southern Arunta | Warumpi | Rungutjirba Gneiss | 1615 |  | εNd(t) = +1.3 to +1.4 | SHRIMP | Hollis et al. (2013) |
| southern Arunta | Warumpi | Burt Bluff Gneiss | 1603 |  | εNd(t) = +0.9 to +2.5 | SHRIMP | Hollis et al. (2013) |
| southern Arunta | Warumpi | Ininti Granite | 1691 |  |  | SHRIMP | Hollis et al. (2013) |
| southern Arunta | Warumpi | Ininti Granite | 1688 ± 5 |  |  | SHRIMP | Worden et al. (2006) |
| southern Arunta | Warumpi | dacite | 1677 |  |  | SHRIMP | Hollis et al. (2013) |
| southern Arunta | Irindina | migmatitic orthogneiss | 1795 ± 5 |  | Queenie Flat Granite Complex | SHRIMP | Bodorkos et al. (2013) |
| southern Arunta | Irindina | porphyritic orthogneiss | 1795 ± 5 |  | Queenie Flat Granite Complex | SHRIMP | Bodorkos et al. (2013) |
| southern Arunta | Irindina | tonalitic orthogneiss | 1802 ± 7 |  | Phoenix Orthogneiss | SHRIMP | Bodorkos et al. (2013) |

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