

**Table A4.19 Neoproterozoic Palaeomagnetic Data**

Site Details					Structure Corrected		Derived Actual Paleomagnetic Data					
Number	Age	Age	Age	Site	Site	Correct	Correct	Paleo	Paleo	Palaeo	Pole	Pole
Result	Low Mag	High Mag	Mean	Lat	Long	Dec	Inc	Radius	Colatitude	Latitude	Latitude	Longitude
1645	541	605	573	45.6	-75.4	288.7	-49.3	2047.10	-19.23	-30.2	36.92	-52.44
1256	550	600	575	-26.5	17.5	87.0	31.0	2043.97	23.51	16.7	-22.98	43.14
7772	550	600	575	64.6	-132.9	64.0	56.0	2043.97	17.15	36.5	66.72	-90.78
7773	550	600	575	63.4	-128.5	62.0	77.0	2043.97	7.95	65.2	66.15	-110.91
1754	560	590	575	50.2	-66.5	105.4	82.1	2043.97	4.98	74.5	48.65	-59.23
7975	518	650	584	52.8	93.5	328.0	-9.0	2030.20	-27.24	-4.5	28.26	109.48
7976	518	650	584	51.3	90.7	144.0	-21.0	2030.20	-25.22	-10.9	67.16	50.53
7978	518	650	584	46.4	96.0	221.0	8.0	2030.20	27.40	4.0	23.79	76.73
1242	545	630	587.5	42.3	-71.2	218.7	70.8	2025.00	11.08	55.1	33.34	-79.47
8114	580	600	590	-31.6	138.6	56.6	29.3	2021.34	23.58	15.7	-17.02	159.04
7474	579	615	597	38.5	-78.2	68.0	84.0	2011.29	3.75	78.1	39.82	-73.67
6038	545	650	597.5	52.6	-1.5	145.0	-66.0	2010.59	-13.16	-48.3	62.47	-17.91
7649	545	650	597.5	69.5	29.5	125.0	67.0	2010.59	12.73	49.7	60.39	50.92
2156	400	800	600	52.5	-2.8	63.3	85.7	2007.09	2.69	81.4	53.64	1.26
249	550	650	600	-18.3	13.5	102.0	-13.0	2007.09	-26.28	-6.6	-11.19	-12.70
251	550	650	600	-18.3	13.5	291.0	-48.0	2007.09	-19.20	-29.0	-24.11	33.16
6938	550	650	600	54.0	-59.5	110.8	50.1	2007.09	18.63	30.9	44.43	-34.79
1168	590	610	600	-30.5	139.0	189.0	-44.0	2007.09	-20.23	-25.8	-10.48	142.15
1196	590	620	605	21.3	43.7	348.3	27.6	2000.20	23.66	14.6	44.33	37.17
164	545	670	607.5	36.8	-115.3	77.5	0.5	1996.81	28.13	0.3	37.59	-79.79
560	600	620	610	-32.4	138.0	191.9	-9.6	1993.47	-26.65	-4.8	-6.22	143.34
6354	600	620	610	-32.4	138.0	185.2	-3.6	1993.47	-27.60	-1.8	-4.89	140.42
7597	600	620	610	-31.2	138.7	17.4	7.1	1993.47	27.05	3.6	-5.18	146.55
1164	600	650	625	-30.5	139.3	22.0	39.0	1974.16	21.06	22.0	-10.75	147.17
1337	600	650	625	56.2	-5.8	163.5	-6.7	1974.16	-26.85	-3.4	79.20	-49.02
2826	600	650	625	56.2	-5.8	166.0	-12.0	1974.16	-26.01	-6.1	79.58	-41.73
800	600	664	632	52.7	-2.7	78.3	16.8	1965.59	25.12	8.6	50.57	38.18

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Site Details					Structure Corrected			Derived Actual Paleomagnetic Data				
Number	Age	Age	Age	Site	Site	Correct	Correct	Paleo	Paleo	Palaeo	Pole	Pole
Result	Low Mag	High Mag	Mean	Lat	Long	Dec	Inc	Radius	Colatitude	Latitude	Latitude	Longitude
6040	600	664	632	<b>52.5</b>	<b>-3.0</b>	94.1	19.0	1965.59	24.75	<b>9.8</b>	<b>44.61</b>	<b>32.92</b>
6041	600	664	632	<b>52.5</b>	<b>-3.0</b>	94.1	19.0	1965.59	24.75	<b>9.8</b>	<b>44.61</b>	<b>32.92</b>
801	557	719	638	<b>52.7</b>	<b>-2.7</b>	71.9	54.2	1958.46	16.99	<b>34.7</b>	<b>54.66</b>	<b>26.00</b>
54	628	652	640	<b>48.8</b>	<b>-3.0</b>	226.4	-15.7	1956.12	-25.18	<b>-8.0</b>	<b>60.95</b>	<b>36.38</b>
1254	600	700	650	<b>-27.0</b>	<b>17.5</b>	20.0	-11.0	1944.76	-25.78	<b>-5.6</b>	<b>-50.62</b>	<b>3.94</b>
250	617	685	651	<b>-18.3</b>	<b>13.5</b>	354.0	34.0	1943.66	21.77	<b>18.6</b>	<b>3.36</b>	<b>11.27</b>
7740	646	660	653	<b>70.1</b>	<b>28.7</b>	110.3	52.3	1941.46	17.40	<b>32.9</b>	<b>59.54</b>	<b>62.29</b>
2762	546	786	666	<b>31.6</b>	<b>55.8</b>	24.6	-31.9	1927.63	-22.00	<b>-17.3</b>	<b>11.29</b>	<b>46.65</b>
248	660	680	670	<b>-18.3</b>	<b>13.5</b>	12.0	36.0	1923.53	21.15	<b>20.0</b>	<b>2.42</b>	<b>17.81</b>
2077	600	750	675	<b>48.2</b>	<b>-113.8</b>	267.9	15.5	1918.52	24.73	<b>7.9</b>	<b>41.83</b>	<b>-147.92</b>
799	605	749	677	<b>52.5</b>	<b>-3.1</b>	135.8	-24.5	1916.55	-23.21	<b>-12.8</b>	<b>64.31</b>	<b>-42.44</b>
7771	650	720	685	<b>64.6</b>	<b>-132.9</b>	59.0	-62.0	1908.83	-14.01	<b>-43.2</b>	<b>55.38</b>	<b>-154.33</b>
1160	650	750	700	<b>-30.4</b>	<b>139.4</b>	199.0	-21.1	1895.09	-23.52	<b>-10.9</b>	<b>-7.96</b>	<b>146.94</b>
8149	670	730	700	<b>25.3</b>	<b>103.0</b>	290.7	-56.6	1895.09	-15.71	<b>-37.2</b>	<b>18.96</b>	<b>118.54</b>
1660	720	726	723	<b>68.3</b>	<b>-121.5</b>	74.0	-7.0	1875.76	-25.46	<b>-3.5</b>	<b>52.66</b>	<b>-164.45</b>
2080	720	726	723	<b>73.6</b>	<b>-95.9</b>	95.0	36.5	1875.76	20.52	<b>20.3</b>	<b>62.85</b>	<b>-45.97</b>
6599	700	750	725	<b>63.2</b>	<b>-127.0</b>	303.0	45.0	1874.17	18.66	<b>26.6</b>	<b>67.55</b>	<b>-171.65</b>
6600	700	750	725	<b>63.2</b>	<b>-127.0</b>	323.0	37.0	1874.17	20.40	<b>20.6</b>	<b>74.18</b>	<b>-177.32</b>
6602	700	750	725	<b>62.7</b>	<b>-126.6</b>	275.0	42.0	1874.17	19.35	<b>24.2</b>	<b>58.40</b>	<b>-165.63</b>
6644	700	750	725	<b>64.8</b>	<b>-140.0</b>	228.0	-13.0	1874.17	-24.54	<b>-6.6</b>	<b>70.29</b>	<b>-73.76</b>
1213	680	780	730	<b>34.7</b>	<b>-98.8</b>	236.8	20.7	1870.27	23.28	<b>10.7</b>	<b>20.18</b>	<b>-119.43</b>
2765	720	740	730	<b>26.0</b>	<b>73.0</b>	354.5	53.5	1870.27	16.43	<b>34.0</b>	<b>42.34</b>	<b>70.90</b>
342	700	780	740	<b>64.5</b>	<b>-128.0</b>	262.9	47.9	1862.72	17.85	<b>29.0</b>	<b>57.44</b>	<b>-162.41</b>
1713	700	780	740	<b>64.7</b>	<b>-127.0</b>	262.0	49.0	1862.72	17.57	<b>29.9</b>	<b>57.56</b>	<b>-160.87</b>
1744	700	780	740	<b>64.6</b>	<b>-127.9</b>	258.0	42.0	1862.72	19.23	<b>24.2</b>	<b>55.44</b>	<b>-162.51</b>
6595	700	780	740	<b>63.0</b>	<b>-126.8</b>	269.0	49.0	1862.72	17.57	<b>29.9</b>	<b>57.89</b>	<b>-161.40</b>
6598	700	780	740	<b>63.2</b>	<b>-127.0</b>	277.0	52.0	1862.72	16.78	<b>32.6</b>	<b>60.51</b>	<b>-162.59</b>

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Site Details					Structure Corrected		Derived Actual Paleomagnetic Data					
Number	Age	Age	Age	Site	Site	Correct	Correct	Paleo	Paleo	Palaeo	Pole	Pole
Result	Low Mag	High Mag	Mean	Lat	Long	Dec	Inc	Radius	Colatitude	Latitude	Latitude	Longitude
6601	700	780	740	<b>62.7</b>	<b>-126.6</b>	295.0	46.0	1862.72	18.31	<b>27.4</b>	<b>64.76</b>	<b>-168.49</b>
6594	730	780	755	<b>63.0</b>	<b>-126.8</b>	264.0	6.0	1852.01	25.29	<b>3.0</b>	<b>51.75</b>	<b>-170.14</b>
6597	730	780	755	<b>63.2</b>	<b>-127.0</b>	273.0	40.0	1852.01	19.55	<b>22.8</b>	<b>58.11</b>	<b>-166.23</b>
6643	733	777	755	<b>64.8</b>	<b>-140.0</b>	180.0	-6.0	1852.01	-25.29	<b>-3.0</b>	<b>89.91</b>	<b>40.00</b>
1674	776	780	778	<b>63.8</b>	<b>-128.5</b>	304.0	19.5	1836.95	23.06	<b>10.0</b>	<b>67.26</b>	<b>-185.64</b>
1675	776	780	778	<b>63.8</b>	<b>-128.5</b>	266.0	48.0	1836.95	17.58	<b>29.0</b>	<b>57.79</b>	<b>-162.91</b>
6603	776	780	778	<b>62.9</b>	<b>-126.6</b>	68.0	78.0	1836.95	6.64	<b>67.0</b>	<b>64.69</b>	<b>-112.08</b>
6080	771	805	788	<b>57.5</b>	<b>-7.0</b>	140.8	64.5	1830.88	12.54	<b>46.4</b>	<b>47.12</b>	<b>4.64</b>
6093	771	805	788	<b>58.1</b>	<b>-5.3</b>	118.0	59.0	1830.88	14.44	<b>39.8</b>	<b>49.49</b>	<b>14.51</b>
2052	600	1000	800	<b>47.0</b>	<b>-88.5</b>	280.6	-9.5	1823.94	-24.40	<b>-4.8</b>	<b>37.90</b>	<b>-57.54</b>
892	750	850	800	<b>-28.4</b>	<b>21.6</b>	91.0	-6.0	1823.94	-24.91	<b>-3.0</b>	<b>-25.15</b>	<b>-6.12</b>
1700	780	850	815	<b>72.8</b>	<b>-110.1</b>	101.0	18.0	1815.79	23.02	<b>9.2</b>	<b>59.00</b>	<b>-61.92</b>
1712	780	850	815	<b>64.7</b>	<b>-127.0</b>	266.0	-17.0	1815.79	-23.17	<b>-8.7</b>	<b>57.44</b>	<b>-80.15</b>
6591	780	850	815	<b>63.4</b>	<b>-127.0</b>	97.0	-21.0	1815.79	-22.55	<b>-10.9</b>	<b>57.85</b>	<b>-172.68</b>
2155	650	1000	825	<b>52.5</b>	<b>-2.8</b>	156.0	-34.0	1810.65	-20.28	<b>-18.6</b>	<b>69.54</b>	<b>-26.59</b>
341	780	880	830	<b>64.5</b>	<b>-128.0</b>	271.0	24.0	1808.17	21.98	<b>12.6</b>	<b>57.12</b>	<b>-171.58</b>
1743	780	880	830	<b>64.6</b>	<b>-127.9</b>	267.0	21.0	1808.17	22.46	<b>10.9</b>	<b>55.71</b>	<b>-170.53</b>
1156	800	880	840	<b>-30.3</b>	<b>139.5</b>	178.0	73.0	1803.37	8.90	<b>58.6</b>	<b>-39.19</b>	<b>139.90</b>
1693	800	900	850	<b>50.5</b>	<b>-116.0</b>	274.0	19.0	1798.79	22.65	<b>9.8</b>	<b>46.82</b>	<b>-150.16</b>

**Table A4.19** Neoproterozoic sample site details, structure corrected data and derived actual palaeomagnetic data. (Data after McElhinny & Lock, 1996)