

**TABLE 4.1<sup>a</sup>**

**Radiometric Ages of Some Early Archean  
and Related Rocks of the North Atlantic Craton**

<b>Unit and locality<sup>b</sup></b>	<b>Method</b>	<b>Number of samples<sup>c</sup></b>	<b>Age<sup>d</sup> (Ga)</b>	<b>Source</b>
<b>WEST GREENLAND</b>				
Qôrqt granite				
Godthaab	Rb-Sr	23w	2.53 ± 0.03	Moorbath, Taylor, and Goodwin, 1981
	Rb-Sr	3m	2.52 ± 0.03	Pankhurst et al., 1973
	Pb-Pb	23w	2.58 ± 0.08	Moorbath, Taylor, and Goodwin, 1981
	U-Pb	7z	2.53 ± 0.03	Baadsgaard, 1976
Nûk gneisses (and equivalents)				
Bjorneoen	Pb-Pb	11w	3.02 ± 0.26	P. N. Taylor et al., 1980
	Rb-Sr	11w	2.98 ± 0.05	P. N. Taylor et al. 1980
	Rb-Sr	14w	2.94 ± 0.09	P. N. Taylor et al., 1980; Moorbath and Pankhurst 1976; Pankhurst, Moorbath, and McGregor, 1973
	Rb-Sr	6w	3.08 ± 0.03	Baadsgaard and McGregor, 1981
Buksefjord	Rb-Sr	21w	2.86 ± 0.09	P. N. Taylor et al., 1980; Moorbath and Pankhurst 1976
Faeringehavn	Rb-Sr	8w	2.73 ± 0.06	Moorbath and Pankhurst, 1976
Fiskenaasset	Pb-Pb	9w	2.82 ± 0.07	P. N. Taylor et al., 1980
	U-Pb	5z	2.80 ± 0.10	Pidgeon, Aftalion, and Kalsbeek, 1976
	Rb-Sr	11w	2.84 ± 0.07	P. N. Taylor et al., 1980; Moorbath and Pankhurst, 1976
Fredrikshaabs isblink	Rb-Sr	13w	2.60 ± 0.12	Moorbath and Pankhurst, 1976; Pidgeon and Hopgood, 1975
Godthaab	U-Pb	5z	2.82 ± 0.05	Baadsgaard, 1976
	Rb-Sr	11w	2.77 ± 0.19	P. N. Taylor et al., 1980; Moorbath and Pankhurst 1976

<b>Unit and locality<sup>b</sup></b>	<b>Method</b>	<b>Number of samples<sup>c</sup></b>	<b>Age<sup>d</sup> (Ga)</b>	<b>Source</b>
Godthaabsfjord	Rb-Sr	11w	2.86 ± 0.30	P. N. Taylor et al., 1980; Moorbath and Pankhurst 1976
Itivinga Nordland Sermilik	Rb-Sr	6w	2.86 ± 0.06	P. N. Taylor et al., 1980
	Pb-Pb	19w	3.00 ± 0.07	P. N. Taylor et al., 1980
	Pb-Pb	11w	3.00 ± 0.09	P. N. Taylor et al., 1980
	Rb-Sr	20w	2.75 ± 0.04	P. N. Taylor et al., 1980; Moorbath and Pankhurst 1976
<b>Layered anorthosite</b>				
Fiskenaasset	Rb-Sr	4w	2.75 ± 0.24	Alexander, Evensen, and Murthy, 1973
	Ar-Ar	1w	2.83 ± 0.08	Alexander, Evensen, and Murthy, 1973
South of Godthaab	Pb-Pb	15w	2.76 ± 0.14	P. N. Taylor et al., 1980
<b>Amitsoq gneisses</b>				
Godthaab	U-Pb	9z	3.60 ± 0.05	Baadsgaard, 1973, 1976
	U-Pb	8z	3.60	Michard-Vitrac et al., 1977
	Pb-Pb	13w	3.56 ± 0.10	Black et al., 1971
Isua	Pb-Pb	9w	3.74 ± 0.12	Moorbath, O'Nions, and Pankhurst, 1975
	Rb-Sr	13w	3.64 ± 0.06	Moorbath, O'Nions, and Pankhurst, 1975; Moorbath et al., 1977a
	Rb-Sr	12w	3.62 ± 0.14	Moorbath et al., 1972
Narssaq	Rb-Sr	25w	3.67 ± 0.09	Moorbath et al., 1972
Narssaq, Qilangarsuit, Isua	Lu-Hf	9w, z	3.55 ± 0.22	Pettingill and Patchett, 1981
Praestefjord	Rb-Sr	18w	3.61 ± 0.22	Moorbath et al., 1972
Qilangarsuit	Rb-Sr	7w	3.66 ± 0.10	Moorbath et al., 1972
Simiutat	Pb-Pb	7w	3.62 ± 0.13	Griffin et al., 1980
	Rb-Sr	7w	3.56 ± 0.14	Griffin et al., 1980
<b>Early supracrustals</b>				
Various units, Isua Conglomerate	U-Pb	16z	3.81 ± 0.02	Baadsgaard et al., 1984
	U-Pb	8z	3.77 ± 0.01	Michard-Vitrac et al., 1977

<b>Unit and locality<sup>b</sup></b>	<b>Method</b>	<b>Number of samples<sup>c</sup></b>	<b>Age<sup>d</sup> (Ga)</b>	<b>Source</b>
	Rb-Sr	8w	3.66 ± 0.06	Moorbath, O'Nions, and Pankhurst, 1975; Moorbath et al., 1977a
	Rb-Sr	5w	3.71 ± 0.07	Jacobsen and Dymek, 1988
Garbenschiefer + conglomerate	Sm-Nd	12w	3.75 ± 0.04	Hamilton et al., 1983
Iron formation	Pb-Pb	11w	3.70 ± 0.07	Moorbath, O'Nions, and Pankhurst, 1973
Akilia association, Akilia	U-Pb	11z	3.59 ± 0.04	Baadsgaard et al., 1984
<b>LABRADOR</b>				
Post-tectonic granite				
Saglek	U-Pb	4z	2.52	Baadsgaard, Collerson, and Bridgwater, 1979
Younger gneisses				
Ikarut, Hebron	Rb-Sr	7w	2.77 ± 0.14	Collerson, Kerr, and Compston, 1981
Kammersuit, Nachvak	Rb-Sr	6w	2.69 ± 0.14	Collerson, Kerr, and Compston, 1981
Granitic sheets, Saglek	Rb-Sr	21w	2.81 ± 0.21	Collerson, Kerr, and Compston, 1981
Kiyuktok, Saglek	Pb-Pb	5w	3.50 ± 0.11	Collerson, Kerr, and Compston, 1981
	Rb-Sr	15w	2.75 ± 0.12	Collerson, Kerr, and Compston, 1981
	Rb-Sr	6w	3.06 ± 0.16	Hurst et al., 1975
Civak gneisses				
Saglek, Maidmonts Is.	U-Pb	3z	3.76 ± 0.15	Winless, Bridgwater, and Collerson, 1979
Saglek	Rb-Sr	7w	3.55 ± 0.07	Hurst et al., 1975
Hebron	Rb-Sr	8w	3.56 ± 0.08	Barton, 1982
Saglek and Hebron (plus Amitsoq) <sup>e</sup>	Rb-Sr	21w	3.61 ± 0.20	M. Cameron et al., 1981
various	Sm-Nd	28w	3.56 ± 0.20	Collerson, McCulloch, and Miller, 1981

Note: Units within an area, e.g., West Greenland, are listed in stratigraphic order when this order is known. All of the ages are based on isochron (Rb-Sr, Sm-Nd, Lu-Hf), concordia-discordia (U-Pb), or age-spectrum (Ar-Ar) techniques.

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<sup>b</sup> Localities are approximate as samples are generally collected over a broad area.

<sup>c</sup> w, whole rock; z, zircon; m, various minerals from same rock.

<sup>d</sup> All ages calculated with the decay constants in Table 3.1. Errors are at the 95% confidence level (two standard deviations).

<sup>e</sup> Combined isochron using 18 Uivak samples and 10 Amitsoq samples