

Wieler R. et al.

		Weight	3-He	4/3	20-Ne	21-Ne	22/21	20/22	38-Ar	36/38	40-Ar	T(21)
L Chondrites												
ALHA77013	* L3	120.3	7.85	86.2	3.29	3.06	1.13	.95	1.52	4.43	3760	10
ALHA77013	* L3	151.3	6.96	93.4	2.78	2.69	1.11	.93	2.90	4.85	2800	8.2
ALHA77047	*+ L3	120.5	3.51	262.	2.51	.76	1.37	2.43	16.1	5.34	3050	2.2
ALHA77047	*+ L3	148.9	3.48	262.	2.57	.73	1.39	2.52	16.9	5.35	2690	2.1
ALHA77176	* L3	82.2	26.2	51.2	10.6	7.79	1.17	1.16	10.3	4.99	3270	26
ALHA77176	* L3	114.7	29.2	51.0	11.5	8.89	1.11	1.16	10.4	4.99	3750	23
ALHA77176	* L3	33.9	25.1	50.1	9.87	7.40	1.16	1.15	11.1	5.03	3350	24
ALHA77197	* L3	63.8	77.8	9.37	15.4	15.8	1.12	.87	3.37	2.68	1270	51
ALHA77197	* L3	116.1	73.7	8.83	14.3	15.7	1.10	.82	3.32	2.77	1640	49
ALHA78015	*+ LL3	196.5	3.29	282.	2.57	.73	1.40	2.54	18.1	5.29	3120	2.2
ALHA78133	L3	188.6	20.7	46.3	36.5	7.49	1.48	3.30	8.83	4.85	4190	23
ALHA79022	* L3,4	154.1	35.8	39.6	8.24	9.16	1.10	.82	1.23	2.54	2850	29
ALHA81024	* L3	107.4	48.3	31.0	10.3	9.86	1.15	.90	3.86	3.94	6700	36
ALHA81025	*+ L3	180.5	3.15	277.	2.51	.71	1.39	2.55	16.4	5.29	2930	2.0
ALHA81030	*+ L3	133.1	3.51	266.	2.63	.78	1.36	2.45	17.1	5.28	3080	2.2
ALHA81031	*+ L3	224.7	3.25	310.	2.37	.68	1.40	2.48	16.1	5.28	2600	2.1
ALHA81032	*+ L3	177.1	1.75	384.	2.16	.61	1.41	2.53	15.8	5.29	2560	1.8
ALHA81121	*+ L3	145.3	3.00	294.	2.40	.69	1.41	2.45	16.8	5.29	2720	2.3
ALHA81251	* LL3	175.4	43.6	18.6	9.11	8.32	1.17	.94	9.22	4.79	3390	31
RKPA79008	L3	153.8	11.4	1779	245.	2.19	10.01	11.16	4.15	5.04	4170	(5)
RKPA80207	L3	185.5	18.6	2018	556.	2.90	16.78	11.41	8.40	5.16	2410	(5)
RKPA80256	* L3	155.9	49.8	14.1	9.56	10.3	1.13	.83	2.34	2.77	2920	35
TIL 82408	* LL3	159.9	41.3	46.6	10.3	6.57	1.26	1.24	8.32	4.86	3650	28
TUXTUAC	* LL	101.7	22.1	82.6	3.55	3.50	1.19	.85	.64	1.95	6200	15
TUXTUAC	* LL	75.3	22.3	91.8	3.73	3.69	1.16	.87	.63	1.88	6370	14
H-3 Chondrites												
OTTA80301	* L3	243.8	33.2	41.6	6.27	6.54	1.16	.83	2.05	3.29	5540	27
RKPA80205	L3	335.0	5.81	203.	20.8	1.62	2.09	6.13	1.36	4.46	4330	(5)
WILLAROY	* L3	72.0	30.4	44.4	8.65	7.23	1.14	1.05	3.60	4.60	6910	24
WILLAROY	* L3	115.8	27.7	45.3	6.72	6.71	1.10	.91	2.23	4.09	5480	21
EH-4 Chondrite												
ALHA77156	* L3	185.5	50.7	21.6	11.3	10.8	1.11	.95	3.13	3.69	8970	38
ALHA77295	L3	350.0	102.	2443	1656	12.7	11.03	11.86	19.9	5.01	5700	(34)
ALHA77295	L3	134.4	55.0	470.	118.	11.2	1.82	5.80	3.82	3.97	3270	(43)
ALHA77295	* L3	117.3	45.9	26.5	10.8	10.3	1.10	.95	2.87	3.59	2960	36
C Chondrites												
ALHA77307	C03	167.0	32.6	98.1	20.1	4.84	1.53	2.71	55.4	5.25	315	16
ALH 82101	* C03	182.3	42.0	42.7	9.97	7.50	1.20	1.11	30.7	5.15	2400	31
ALH 82135	* C4	172.8	11.2	49.3	5.56	5.99	1.10	.84	1.16	1.64	1040	20
PCA 82500	* C4	242.2	61.8	33.1	10.8	10.6	1.16	.88	2.49	2.43	1940	43

Table 1: Noble gas concentrations (in 10^{-8} cm³STP/g), measured isotopic composition and 21-Ne exposure ages (in Ma). Sample weights are in (mg). Estimated errors are 5% for concentrations and 1.5% for isotopic ratios. Exposure ages in parentheses are not reliable due to large corrections for trapped gases.

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