

Benoit P.H., Sears H. and Sears D.W.G. (1991g) Appendix 2. Natural thermoluminescence data for meteorites collected by the 1988/1989 German expedition. In "Meteoritical Bulletin No. 71", ed. F. Wlotzka, *Meteoritics* **26**, 262.

APPENDIX 2: Natural thermoluminescence data for Antarctic meteorites collected by the 1988/1989 German expedition

Natural thermoluminescence (TL) data obtained by P. H. BENOFF, H. SEARS AND D. W. G. SEARS at the University of Arkansas. Classifications are from Met. Bull. 69 and 70 (*Meteoritics* **25**,3 and **26**,1). All samples are from Allan Hills.

Name	Class	NTL (krad)	Name	Class	NTL (krad)
ALH			ALH		
88045	CM	<1	88025	H5	27.7 ± 0.3
88046	EH3	14 ± 3	88026	H5	127.1 ± 0.5
88044	L3	14 ± 2	88027	H5	176 ± 1
88003	L4	54.9 ± 0.7	88028	H5	0.8 ± 0.1
88006	L4	71 ± 3	88029	H5	226 ± 2
88041	L5	56.2 ± 0.6	88030	H5	120 ± 3
88005	L6	78.4 ± 0.7	88032	H5	60.0 ± 0.4
88015	L6	18 ± 2	88033	H5	117.5 ± 0.5
88023	L6	8.5 ± 0.2	88035	H5	123 ± 4
88024	L6	9.4 ± 0.1	88038	H5	27.0 ± 0.3
88020	H3	210 ± 2	88039	H5	145.1 ± 0.1
88036	H3	20 ± 9	88040	H5	32.0 ± 0.1
88037	H4	46.7 ± 0.1	88042	H5	238.3 ± 0.3
88031	H4-5	160.4 ± 0.2	88049	H5	225 ± 4
88001	H5	61.4 ± 0.1	88018	H6	108.4 ± 0.5
88007	H5	22.3 ± 0.2	88021	H6	169.5 ± 0.9
88009	H5	26.3 ± 0.1	88034	H6	3.7 ± 0.1
88014	H5	32.0 ± 0.1	88043	H6	20.4 ± 0.1
88022	H5	14.8 ± 0.1	88047	H6	109.2 ± 0.3
			88048	H6	87.2 ± 0.5
			88050	H6-7	30.6 ± 0.4

The quoted uncertainties are standard deviations shown by replicate measurements on a single aliquot.

Probable pairings based on classifications, natural and induced TL, and proximity on the icefield: H5: 88007, 888025, 88038; H5: 88014, 88040; H5: 88026, 88030, 88033, 88035; H5: 88029, 88042; H6: 88018, 88047; L6: 88023, 88024.

The 88029 and 88026 groups have atypically high natural TL and may be paired with each other.

88020, 88036, and 88044 are type 3 chondrites of subtypes 3.5, 3.4, and 3.4, respectively, based on induced TL data.

88015 has extremely low TL sensitivity and an unusual glow curve shape and may be shocked.