

# Ancient TL SUPPLEMENT

## Date List

March 1990 Issue 3

1. This list includes dates for fired materials of archaeological interest, submitted to *Ancient TL* during 1989 for which sufficient information has been supplied. Readers are referred to earlier issues of the Date List for a fuller description of the structure of entries.
2. Application forms are available from the Editor, who will be pleased to advise on data compilation; laboratories wishing to submit dates for which the current date entry specification is not suitable should write to him. The application forms may be supplied on either paper or magnetic media.
3. A separate summary of all Part 1 entries published so far will be available for general archaeological circulation during 1990.
4. A specification for *Luminescence Sediment Age* entries is now being formulated. Suggestions for the form of the Entry Specification are welcomed and should be sent to the Editor by 1st May 1990.

Laboratory: [name ]

Date Entry Specification

Entry: [entry number ]

### PART I

Site: [Name ]                      Location: [Region, country ]                      Grid Ref.: [National map reference ]

Site Description: [Brief description of period and nature of site ]

Dates/Ages:

Lab. Ref.      Material      Archaeological Ref.

[Type ]	[Type ]	[Lab. abbrev.]				
TL	Context	Date	800 AD ± 50 (Dur87TLfg)	100-1/6	pottery	ABC-1a
	Single	Age				
			[Overall error]	[Test year]	[Technique]	[Sample ref.]
						[Context reference]
						[Dated material ]

— TL Context Components: [Details of component TL dates/ages used to derive Context Date/Age] —

Archaeological Evidence: [Excavator's brief description of context(s) ]

Site Director: [Full name and institutional postal address ]

Reports: [Details of excavation and laboratory reports ]

PART II

<b>Section A. TL Measurements</b>	
1.	<b>min.</b> ([mineral ]) <b>tech.</b> ( [technique]; [grain size range, gsr ] $\mu\text{m}$ ) <i>Data tabulated for each sample:</i>
2.	<b>P</b> = [value] $\pm$ s.e. Gy <b>2a. I/P</b> = [value] <b>3. Slopes</b> [2nd/1st: [value] $\pm$ s.e. ]
4.	[Type of plateau ] <b>Plateau</b> [ $\pm$ [value] %; [T <sub>1</sub> - T <sub>2</sub> ] ]
4a.	<b>Peak</b> [ @ [value] °C ; [heating rate]°/s; [pre-heat details if applicable] ]
5.	<b>Stability</b> [ [interval, T <sub>1</sub> - T <sub>2</sub> ]; [period ] ; [storage T °C ] ; [result ; [value] $\pm$ [value] %] ]
6.	a value = [value] , or b value = [value]

<b>Section B. Dose-rate Measurements</b>	
<i>Data tabulated for each sample:</i>	
1.	<b>Total Effective Dose-rate</b> = [value] $\pm$ s.e. mGy/a [ $\alpha$ = [value] % [method ] ; $\beta$ = [value] % [method ] ; $\gamma$ = [value] % [method ] ; cos(mic) = [value] % [method ] ]
2.	<b>Radon</b> [ $\pm$ [value] ] % [method ] ]
3.	<b>Water</b> [ Sample ( [value] $\pm$ s.e. %) ; (Burial) Environment ( [value] $\pm$ s.e. %) ]

**Section C. Error** [ [Procedure : eA76 or specify other] ]

<b>Section D. TL Age</b>	
<i>Data tabulated for each sample:</i>	
<b>TL Age</b> [ $\pm$ [random error ] ; $\pm$ [overall accuracy ] ]	

**Special Remarks:** [Details of entries with \* or any other additional information]

KEY TO ABBREVIATIONS

STANDARD METHODS/TECHNIQUES/PROCEDURES

i	Inclusion	pd	Pre-dose	a Plat	Age plateau
fg	Fine-grain	MA	Multiple activation	d Plat	Dose plateau
mmi	Multi-mineral	ADD	Additive dose proc.	s Plat	TL Signal plateau
		Sb	Sensitivity baseline		
$\alpha$ -c	Alpha counting	FPh	Flame Photometry	TLD	TL dosimetry
AAS	Atomic absorption	NAA	Neutron Activation Analysis	XRF	X-ray fluorescence
$\beta$ -c	Beta counting	PXE	PIXIE		
CAP	Capsule	SPEC	Spectrometer (SpEC = portable)		
<b>Non-standard</b>		AutoR	Auto regeneration	PTTL	Photo-transferred TL

MINERALS & ETC.

cal	Calcite	Nf	Sodium feldspar	*	Other
ft	Flint	p	Polym mineral	-	Not applicable
f	Feldspar	q	Quartz	e	Equivalent to
Af	Unsep. alkali feldspar	z	Zircon		(used as prefix)
Kf	Potassium feldspar	por	Porcelain	a	Year

**Terms:** I, P, a, b, A, S<sub>N</sub>, S<sub>O</sub>, TAC: as defined in the literature.

Site: Orp-le-grand Location: Brabant, Belgium Grid Ref.: 50° 41'40"N 4° 58'23"E.  
 Site Description: Open air site, buried in upper part of loess in plateau situation.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Single Ages: 13.7	: ±1.7 ka	(Ox88TL)g	245a3 burnt flint OPI145/79
13.1	: ±1.4		245a5 OPI164/26
12.9	: ±1.5		245b1 OPI221/48
12.1	: ±1.3		245b2 OPI133/79
11.8	: ±1.2		245b4 OPI185/29

Archaeological Evidence: Magdalenian; as the chronological succession of the different Magdalenian groups in Western Europe is poorly understood these dates can be accepted as a good indication of the age of the Magdalenian of Orp.

Site Director: Prof. Dr P.M. Vermeersch. Catholic University of Leuven, Redingenstraat, 16 bis, 3000 Louven, Belgium.

Reports: Vermeersch, P.M., Symens, N., Vynckier, P., Gijssels, G., Lauwers, R. (1987) Orp. site Magdalenien de plein air (comm.de Orp Jauche). *Archaeologia Belgica*, 111, 7-56.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements

I. Min(f) tech.(fig. 1 - 8µm)									
Sample Ref.	P ± s.e. (Gy)	I/P	Slopes	Plateau	Peak	Stability	a val.		
245a3	22.0 ± 1.5	0	-	± 3%; 300-350°	350°; 5%/s;	300 - 350°; 0.5 a; 18°; 100 ± 3%	0.09		
245a5	22.5 ± 1.5	0	-	± 3%; 325-375°	350°; 5%/s;	325 - 375°;	0.08		
245b1	19.7 ± 1.3	0	-	± 5%; 350-425°	375°; 5%/s;	350 - 425°;	0.06		
245b2	22.6 ± 1.5	0	-	± 3%; 300-375°	350°; 5%/s;	300 - 375°;	0.07		
245b4	20.8 ± 1.3	0	-	± 3%; 300-375°	350°; 5%/s;	300 - 375°;	0.05		

Section B. Dose-rate Measurements

Sample Ref.	Total Eff. Dose-rate	Dose-rate Components			Water		
		α	β	γ	Radon	Sample Env.	
	mGy/a	%	%	%	%	%	
245a3	1.60 ± 0.10	12	9	71	8	0 ± 5	12 ± 3
245a5	1.71 ± 0.11	12	13	66	9	-	-
245b1	1.53 ± 0.10	8	12	71	9	-	-
245b2	1.86 ± 0.11	16	19	58	7	-	-
245b4	1.76 ± 0.11	13	18	61	8	-	-

Section C. Error [ eA76 ]

Sample Ref.	TL Age			Errors	
	ka	ka	ka	ka	ka
245a3	13.7	-	-	1.7	-
245a5	13.1	-	-	1.4	-
245b1	12.9	-	-	1.5	-
245b2	12.1	-	-	1.3	-
245b4	11.8	-	-	1.2	-

Site: Nine Mile Water Location: Nether Wallop, Hampshire, UK Grid Ref.: SU 307345  
 Site Description: Raised mound adjoining Wallop Brook, on westerly edge of water meadow system.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Context Age: 4240	: ±380 a	(Ox88TL)g	260f burnt flint TL Pit layer 2
TL Context Comps:	4050	: ±400	260G1
	4350	: ±430	260G3
	4190	: ±410	260G6
	4230	: ±420	260G9
	4380	: ±430	260G13

Archaeological Evidence: Excavation revealed a sequence of topsoil overlying burnt flint sealing a fine grey/white deposit. Pottery at the base of the topsoil has been dated to the 12th/13th Centuries. There are however some I.A. sherds and the extent of burnt flint is unknown. A pre-I.A. date is therefore expected. The molluscan analysis needs to be completed before further comment can be made.

Site Director: Diane Williams, Department of Archaeology, University College, P.O. Box 78, Cardiff CF1 1XL.  
 Reports: D. Williams, in preparation.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements

I. Min(f) tech.(fig. 1 - 8µm)									
Sample Ref.	P ± s.e. (Gy)	I/P	Slopes	Plateau	Peak	Stability	a val.		
260G1	2.55 ± 0.20	0	-	± 5%; 325-375°	350°; 5%/s;	325 - 375°; 0.5 a; 18°; 100 ± 3%	0.13		
260G3	3.92 ± 0.35	0	-	± 3%; 350-400°	-	350 - 400°;	0.20		
260G6	2.60 ± 0.20	0	-	± 5%; 325-400°	-	325 - 400°;	0.11		
260G9	2.75 ± 0.20	0	-	± 3%; 325-400°	-	325 - 400°;	0.06		
260G13	3.02 ± 0.20	0	-	± 5%; 350-425°	-	350 - 425°;	0.11		

Section B. Dose-rate Measurements

Sample Ref.	Total Eff. Dose-rate	Dose-rate Components			Water		
		α	β	γ	Radon	Sample Env.	
	mGy/a	%	%	%	%	%	
260G1	0.63 ± 0.06	14	18	46	22	0 ± 3	20 ± 5
260G3	0.90 ± 0.08	38	14	33	15	-	-
260G6	0.62 ± 0.06	18	13	47	22	-	-
260G9	0.65 ± 0.06	12	22	45	21	-	-
260G13	0.69 ± 0.06	16	22	42	20	-	-

Section C. Error [ eA76 ]

Sample Ref.	TL Age			Errors	
	ka	ka	ka	ka	ka
260G3	4050	-	-	400	-
260G6	4350	-	-	430	-
260G9	4190	-	-	410	-
260G13	4230	-	-	420	-

Site: Jels 2  
 Location: The site is at 'Jels-lakes' near the town of Jels in the southern part of Jutland, Denmark.  
 Grid Ref.: M3608  
 Site Description: A small hunters camp belonging to the Hamburgian Culture.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Context Age:	10.2 ±0.9 ka	(Ox88TLfg)	HAM 1610 Oksensvad sogn 204
TL Context Comps:	9.4 ±1.1	600a1	2203
	10.8 ±1.0	600a3	2287

Archaeological Evidence: A very artefact-rich hunters camp belonging to the Hamburgian Culture. (12-13000 B.P.) A few Mesolithic artefacts were found within the excavation area. The TL date is not in agreement with the archaeological dating.

Site Director: Jorgen Holm, Haderslev Museum, Dalgade 7, 6100 Haderslev, Denmark.  
 Flemming Rieck, Skibshistorisk Laboratorium, Frederiksbergvej 63, 4000 Roskilde, Denmark.

Reports: Holm J., and Rieck, F. (1987) Die Hamburger Kultur in Dänemark, *Archaeologisches Korrespondenzblatt*, 17, 151-165.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements									
1. Min(f) tech.(fg ; 1 - 8µm)									
Sample Ref.	P ± s.e. (Gy)	I/P	Slips	s Plateau	Peak	Stability	a val.		
600a1	4.25 ± 0.50	0	-	± 5%; 325-400°	375°; 5°/s;	325-400°; 0.5 a; 18°; 100 ±3%	0.15		
600a3	5.50 ± 0.50	0	-	± 5%; 325-400°	375°; 5°/s;	325-400°; "	0.04		

Section B. Dose-rate Measurements									
Sample Ref.	Total Eff. Dose-rate mGy/a	Dose-rate Components			Radon	Water Sample	Env.		
		α	β	γ				cos.	%
600a1	0.45 ± 0.07	10	10	51	29	0 ± 2	18 ± 6		
600a3	0.51 ± 0.07	10	20	45	25	-	-		
Method		α-c	α-c	SPEC	SPEC	FPH			

Section C. Error [ eA76 ]									

Section D. TL Age									
Sample Ref.	TL Age ka	Errors		Overall					
		Random ka	ka	ka.	ka.				
600a1	9.4	-	-	1.1	1.0				
600a3	10.8	-	-	-	-				

Special Remarks:  
 \* Environmental dose-rate were determined by V. Mejdahl, Risø National Laboratory using a portable gamma-ray spectrometer.

Site: Jels 1  
 Location: The site is at 'Jels-lakes' near the town of Jels in the southern part of Jutland, Denmark.  
 Grid Ref.: M 3608  
 Site Description: A small hunters camp belonging to the Hamburgian Culture.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Context Age:	12.40 ±1.60 ka	(Ox84TLfg)	600g(25)
TL Context Comps:	12.85 ±1.95	600g(25)i	HAM 1356
	12.10 ±1.80	600g(25)ii	47.2
	12.25 ±1.80	600g(25)iii	1625
			1686

Archaeological Evidence: In N.Germany similar sites are dated by C-14 to the Bolling interstadial, ie 12-13000 B.P.

Site Director: Jorgen Holm, Haderslev Museum, Dalgade 7, 6100 Haderslev, Denmark.  
 Flemming Rieck, Skibshistorisk Laboratorium, Frederiksbergvej 63, 4000 Roskilde, Denmark.

Reports: Holm J., and Rieck, F. (1987) Die Hamburger Kultur in Dänemark, *Archaeologisches Korrespondenzblatt*, 17, 151-165.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements									
1. Min(f) tech.(fg ; 1 - 8µm)									
Sample Ref.	P ± s.e. (Gy)	I/P	Slips	s Plateau	Peak	Stability	a val.		
g(25)i	8.7 ± 0.5	0	-	± 5%; 325-400°	350°; 5°/s;	325 - 400°; 0.5 a; 18°; 100 ±3%	0.030		
g(25)ii	9.6 ± 0.5	0	-	± 5%; 325-400°	375°; 5°/s;	325 - 400°; 0.5 a; "	0.095		
g(25)iii	9.7 ± 0.5	0	-	± 5%; 325-400°	375°; 5°/s;	325 - 400°; 0.5 a; "	0.095		

Section B. Dose-rate Measurements									
Sample Ref.	Total Eff. Dose-rate mGy/a	Dose-rate Components			Radon	Water Sample	Env.		
		α	β	γ				cos.	%
g(25)i	0.68 ± 0.08	4	13	65	18	0 ± 2	-		
g(25)ii	0.80 ± 0.10	7	23	55	15	-	-		
g(25)iii	0.80 ± 0.10	7	23	55	15	-	-		
Method		α-c	α-c	SPEC	SPEC	FPH			

Section C. Error [ eA76 ]									

Section D. TL Age									
Sample Ref.	TL Age ka	Errors		Overall					
		Random ka	ka	ka.	ka.				
g(25)i	12.85	-	-	1.95	1.80				
g(25)ii	12.10	-	-	1.80	1.80				
g(25)iii	12.25	-	-	1.80	1.80				

Special Remarks:  
 \* Environmental dose-rate were determined by V. Mejdahl, Risø National Laboratory using a portable gamma-ray spectrometer.

Laboratory: Oxford Entry: 36

Site: Bagaggera  
 Location: Merate village, Lecco region, Lombardy, N. Italy.  
 Grid Ref: F.32 Como. 45°42'54" N., 9°23'18" E. 260 m above sea level.  
 Site Description: Pleistocene terrace.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Single Age: 60.5 ± 7.5 ka	(Ox89TLfg)	burnt flint	282

Archaeological Evidence: Burned flint from a Mousterian level at the base of an Upper Pleistocene loess, 40 m thick; at the top of weathered fluvial Middle Pleistocene sand and gravel.

Site Director: Prof. Mauro Cremaschi, Dipartimento di Scienze della Terra, Via Mangiagalli 20133 Milano, Italy.

Reports: Preliminary reports in:  
 Cremaschi M., Orombelli G., Salloway J.C. (1985) Quaternary stratigraphy and soil development at the S. border of the Central Alps (Italy): the Bagaggera sequence. *Riv. It. Paleont. Strat.*, 90(4), 565 - 603.  
 Cremaschi M. (1987) Paleosols and Venusols in the central Po Plain (N. Italy). Thesis, University of Amsterdam, Unicopli, Milano, pp1-360. Definitive report in preparation.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements

1. Min(f) tech.(1 - 8 μm)

Sample Ref.	P ± s.e. (Gy)	I/P	Sips	± Plateau	Peak	Stability	a val
750f	99.8 ± 5.0	0	-	± 3%; 375-450°	375°; 5°/%; -	375-400°; 0.5a; 18°; 100 ± 3%	0.10

Section B. Dose-rate Measurements

Sample Ref.	Total Eff. Dose-rate mGy/a	Dose-rate Components			Radon		Water Sample Env.	
		α %	β %	γ %	cos. %	%	%	%
750f	1.65 ± 0.16	7	11	75	7	0 ± 5	0 ± 2	28 ± 7
Method		α-c	α-c	SPEC	SPEC	α-c		

Section C. Error [ eA76 ]

Section D. TL Age

Sample Ref.	TL Age ka	Random ka	Errors Overall ka.
750f	60.5	-	7.5

Laboratory: Oxford Entry: 35

Site: West Overton  
 Location: River valley bottom in Upper Kennel, North Farm, West Overton, Wiltshire., UK.  
 Grid Ref: SU/135686  
 Site Description: Cremation hearth.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Context Age: 3030 ± 250 a	(Ox88TLfg)	burnt flint	Long Meadow Pit D
TL Context Comps: 3090 ± 275	727f		
	727(II)		
	727(IV)		

Archaeological evidence: Bronze age (probably Deverel-Rimbury) pot, up-turned over a human cremation. It was in a buried soil covered by alluvium. The charcoal in the pot is C-14 dated to 3020 ± 70 BP (OxA-1348).

Site Director: J. G. Evans, Department of Archaeology, University College, PO Box 78, Cardiff CF1 1XL, UK.

Reports: For related C-14 date see *Archaeometry*, 29(2), 1987 pp 294-295 (Also forthcoming date list of AMS lab).

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements

1. Min(f) tech.(fg ; 1 - 8 μm)

Sample Ref.	P ± s.e. (Gy)	I/P	Sips	± Plateau	Peak	Stability	a val.
727(I)	2.38 ± 0.30	0	-	± 3%; 325-400°	375°; 5°/%; -	325 - 400°; 0.5a; 18°; 100 ± 3%	0.10
727(II)	2.38 ± 0.30	0	-	± 3%; 325-375°	350°; 5°/%; -	325 - 375°; "	0.08
727(IV)	2.38 ± 0.30	0	-	± 3%; 325-375°	350°; 5°/%; -	325 - 375°; "	0.10

Section B. Dose-rate Measurements

Sample Ref.	Total Eff. Dose-rate mGy/a	Dose-rate Components			Radon		Water Sample Env.	
		α %	β %	γ %	cos. %	%	%	%
727(I)	0.77 ± 0.05	16	12	55	17	0 ± 3	0 ± 2	32 ± 3
727(II)	0.83 ± 0.05	16	17	51	16	"	"	"
727(IV)	0.76 ± 0.05	14	12	56	18	"	"	"
Method		α-c	α-c	CAP	SPEC	α-c		

Section C. Error [ eA76 ]

Section D. TL Age

Sample Ref.	TL Age ka	Random ka	Errors Overall ka.
727(I)	3090	-	275
727(II)	2870	-	270
727(IV)	3130	-	280

Site: Three Ways Wharf.  
 Location: 101-105 Oxford Road, Uxbridge, Middlesex, UK.  
 Grid Ref.: TQ 052 846  
 Site Description: Multiperiod site composed of a Late Glacial flint and bone scatter and an early Mesolithic flint and bone scatter.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Single Age: 8000 ± 800 a	(Ox89TLfg)	burnt flint	UX88VIII E23/NO2/D/3 343 SF64

Archaeological Evidence: Scatter A contained c.700 pieces of flint with some affinity to the 'Long Blade' late glacial period, with associated fauna of reindeer and horse. This latter dated by C-14 to 10270 ± 100 B.P. (OxA1778) and 10010 ± 120 B.P. (OxA1902). Scatter C produced c.7000 pieces of struck flint and c.2000 fragments of bone. The lithic assemblage is early Mesolithic and fauna is dominated by red deer. The dated sample is from this assemblage contained within argillite sediments deposited by gentle overbank flooding. The flint work is dated typologically to the early Mesolithic (expected to date to ca 9000 BP). JSCL

Site Director: John S.C. Lewis, Dept. of Greater London Archaeology, Museum of London, Town Mission Hall, Mission Square, Pottery Road, Brentford, Middlesex TW8 0SD, UK.

Reports: Lewis, J. S. C. (1989) Excavations at Three Ways Wharf. *Mesolithic Miscellany*, 10.  
 Lewis, J. S. C. (1990) Excavations at Three Ways Wharf. Proc. The Late Glacial of N.W. Europe' (ed N. Barton), Dept. External Studies, Oxford University September 1989. In press.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements

1. Min(t) tech. (fig. 1 - 8µm)									
Sample Ref.	P ± s.e. (Gy)	I/P	Slips	± Plateau	Peak	Stability	a val.		
772fl	9.6 ± 0.6	0	-	± 5%; 325-400°	375°; 5°/s;	325-400°; 0.5 a; 18°; 100 ± 3%	0.10		

Section B. Dose-rate Measurements

Sample Ref.	Total Eff. Dose-rate	Dose-rate Components						Water Env.	
		mGy/a	α	β	γ	cos.	%	Radon	Sample
772fl	1.2 ± 0.2	10	8	71	11	11	0 ± 2	0 ± 2	30 ± 8
Method	α-c	α-c	α-c	SPEC	SPEC	α-c	α-c	α-c	

Section C. Error [eA76]

Section D. TL Age			
Sample Ref.	TL Age ka	Errors Random ka	Overall ka
772fl	8.0	-	0.8

Site: Bir Sahara, BS-1  
 Location: Bir Sahara East Depression in south western (Ugyl).  
 Grid Ref.: 22°52' N, 28°50' E  
 Site Description: Middle Palaeolithic. Samples are from burnt layers above an occupation horizon.

Dates	Lab. Ref.	Material	Archaeological Reference
TL Single Ages: 105.4 ± 10.5 ka	(Ox88TLqi)	burnt	BS1TR965, V.H.73 upper layer
108.6 ± 10.6 ka	(Ox88TLqi)	quartz	lower layer

Archaeological Evidence: Large concentration of artefacts (approx. 230 per m<sup>2</sup>) of Levallois technique core and flakes; also highly denudate tool assemblage.

Site Director: Fred Wendorf, Dept of Anthropology, Southern Methodist University, Dallas, Texas 75275, USA.

Reports: Wendorf, F., and Schild, R. (1980) *Prefhistory of the Eastern Sahara*. Academic Press, New York.

PART II  
 TECHNICAL SPECIFICATION

Section A. TL Measurements

1. Min(q) tech. (inc; 90 - 150µm)									
Sample Ref.	P ± s.e. (Gy)	I/P	Slips	± Plateau	Peak	Stability			
506a	310 ± 30	0	1.05 ± 0.05	± 3%; 325-375°	350°; 5°/s;	-			
506b	304 ± 30	0	1.05 ± 0.05						

Section B. Dose-rate Measurements

Sample Ref.	Total Eff. Dose-rate	Dose-rate Components						Water Env.	
		mGy/a	α	β	γ	cos.	%	Radon	Sample
506a	2.94 ± 0.44	-	62	34	4	4	0 ± 5%	5 ± 5	7 ± 5
506b	2.80 ± 0.42	-	57	39	4	4			
Method			α-c	α-c	SPEC	SPEC	α-c	α-c	

Section C. Error [eA76]

Section D. TL Age			
Sample Ref.	TL Age ka	Errors Random ka	Overall ka
506a	105.4	-	10.5
506b	108.6	-	10.6