

APPENDIX 1

Evaluated specimens with their respective collection number, date of collection, and locality. The acronyms MCN, MCP, and MUCIN refer to, respectively, Museu de Ciências Naturais from Fundação Zoobotânica do Rio Grande do Sul, Museu de Ciências e Tecnologia from Pontifícia Universidade Católica of Rio Grande do Sul, and Museu de Ciências Naturais from Universidade Federal do Rio Grande do Sul. PR = Paraná State; RS = Rio Grande do Sul State; SC = Santa Catarina State

SPECIMEN	DATE	MATERIAL	LOCALITY
Black-browed Albatross (<i>Thalassarche melanophris</i>)			
MCN 005	05 Aug 1991	complete skeleton	Mostardas, RS
MCN 006	05 Aug 1991	complete skeleton	Mostardas, RS
MCN 007	06 Aug 1991	complete skeleton	Mostardas, RS
MCN 044	23 Oct 1991	complete skeleton	Rio Grande, RS
MCN 045	28 – 31 Oct 1991	complete skeleton	Rio Grande, RS
MCN 193	30 Apr 1993	complete skeleton	Tavares, RS
MCN 194	02 May 1993	complete skeleton	Tavares, RS
MCN 238	12 Jul 1993	complete skeleton	Rio Grande, RS
MCN 239	12 Aug 1993	complete skeleton	Rio Grande, RS
MCN 265	–	complete skeleton	Santa Vitória do Palmar, RS
MCN 388	18 Sep 1994	complete skeleton	Mostardas, RS
MCN 389	18 Sep 1994	complete skeleton	Mostardas, RS
MCN 390	19 Sep 1994	complete skeleton	Mostardas, RS
MCN 391	17 Sep 1994	complete skeleton	Rio Grande, RS
MCN 408	19 Sep 1994	complete skeleton	Mostardas, RS
MCN 413	19 Sep 1994	complete skeleton	Mostardas, RS
MCN 414	19 Sep 1994	complete skeleton	Rio Grande, RS
MCN 415	19 Sep 1994	complete skeleton	Rio Grande, RS
MCN 416	19 Sep 1994	complete skeleton	Mostardas, RS
MCN 417	17 Sep 1994	complete skeleton	Santa Vitória do Palmar, RS
MCN 419	19 Sep 1994	complete skeleton	Mostardas, RS
MCN 420	19 Sep 1994	incomplete skeleton	Mostardas, RS

MCP 573	07 Sep 1999	incomplete skeleton	Palmares do Sul, RS
MCP 846	20 Nov 2000	incomplete skeleton	Tavares, RS
MCP 1034	29 Apr 2001	incomplete skeleton	Palmares do Sul, RS
MCP 1090	28 Oct 2002	incomplete skeleton	Cidreira, RS
MCP 1126	24 Apr 2001	incomplete skeleton	Imbé, RS
MCP 1544	15 Apr 2004	incomplete skeleton	Cidreira, RS
MCP 1549	15 Apr 2004	incomplete skeleton	Cidreira, RS
MCP 1610	16 Apr 2004	incomplete skeleton	Cidreira, RS
MCP 2435	02 Jan 2009	complete skeleton	Capão da Canoa, RS
MCP 3118	21 Nov 2010	complete skeleton	Capão da Canoa, RS
MCP 3123	11 Aug 2005	complete skull	Torres, RS
MCP 4124	11 Jul 2010	incomplete skeleton	Cidreira, RS
MCP 4200	04 Oct 2010	incomplete skeleton	Palmares do Sul, RS
MUCIN 025	27 Nov 2010	complete skeleton	Mostardas, RS
MUCIN 026	27 May 2010	incomplete skeleton	Mostardas, RS
MUCIN 030	21 Dec 2010	incomplete skeleton	Palmares do Sul, RS
MUCIN 031	19 may 2009	complete skeleton	Imbé, RS
MUCIN 032	26 May 2010	complete skull	Mostardas, RS
MUCIN 033	03 Oct 2011	complete skull	Cidreira, RS
MUCIN 034	22 Oct 2009	incomplete skull	Mostardas, RS
MUCIN 035	03 Oct 2011	complete skull	Tramandaí, RS
MUCIN 037	27 Nov 2010	complete skull	Mostardas, RS
MUCIN 082	24 Set 2010	incomplete skeleton	Mostardas, RS
MUCIN 094	11 Set 2012	complete skeleton	Tramandaí, RS
MUCIN 097	17 May 2011	complete skeleton	Tramandaí, RS
MUCIN 100	15 May 2010	complete skeleton	Mostardas, RS
MUCIN 116	14 Nov 2012	complete skull	Osório, RS
MUCIN 117	06 Nov 2012	complete skeleton	Balneário Pinhal, RS
MUCIN 118	11 Oct 2012	complete skeleton	Arroio do Sal, RS
MUCIN 141	27 May 2010	incomplete skeleton	Mostardas, RS
MUCIN 178	06 Nov 2012	complete skull	Palmares do Sul, RS
MUCIN 195	14 Nov 2012	incomplete skull	Arroio do Sal, RS
MUCIN 208	13 Set 2012	complete skeleton	Imbé, RS

MUCIN 209	06 Set 2012	incomplete skeleton	Tramandaí, RS
MUCIN 222	14 Nov 2012	complete skull	Imbé, RS
MUCIN 226	06 Set 2012	complete skeleton	Cidreira, RS
MUCIN 231	23 Oct 2009	complete skeleton	Palmares do Sul, RS
MUCIN 233	22 Dec 2012	complete skeleton	Imbé, RS
MUCIN 314	06 Nov 2012	complete skeleton	Tramandaí, RS
MUCIN 320	06 Nov 2012	complete skeleton	Palmares do Sul, RS
MUCIN 356	06 Jun 2013	complete skull	Imbé, RS
MUCIN 365	26 Oct 2009	complete skeleton	Cidreira, RS
MUCIN 414	30 Oct 2009	complete skeleton	Litoral Norte, RS
MUCIN 415	27 Nov 2010	incomplete skeleton	Mostadas, RS
MUCIN 416	28 Mar 2013	complete skeleton	São José do Norte, RS
MUCIN 417	27 May 2010	incomplete skeleton	Mostardas, RS
MUCIN 418	27 May 2010	incomplete skeleton	Mostardas, RS
MUCIN 423	15 May 2010	complete skeleton	Litoral Norte, RS
MUCIN 425	15 May 2010	complete skeleton	Litoral Norte, RS
MUCIN 426	26 Oct 2009	complete skeleton	Cidreira, RS
MUCIN 428	06 Set 2012	complete skull	Palmares do Sul, RS
MUCIN 524	08 Aug 2013	complete skeleton	Cidreira, RS
MUCIN 525	30 Oct 2013	complete skeleton	Tramandaí, RS
MUCIN 580	27 Nov 2010	complete skull	Mostardas, RS
MUCIN 585	31 May 2011	complete skull	Mostardas, RS
MUCIN 588	07 Set 2009	complete skeleton	Imbé, RS
MUCIN 589	30 Oct 2013	complete skeleton	Tramandaí, RS
MUCIN 590	21 May 2014	complete skeleton	Tramandaí, RS
MUCIN 648	30 May 2011	complete skull	Mostardas, RS
MUCIN 649	21 May 2014	complete skull	Tramandaí, RS
MUCIN 665	27 Nov 2010	complete skeleton	Mostardas, RS
MUCIN 668	08 Aug 2013	complete skeleton	Cidreira, RS
MUCIN 713	21 Aug 2013	complete skeleton	Cidreira, RS
MUCIN 714	26 May 2010	complete skeleton	Palmares do Sul, RS
MUCIN 715	30 May 2011	complete skull	Cidreira, RS
MUCIN 718	13 Set 2012	complete skeleton	Imbé, RS

MUCIN 740	21 Aug 2013	complete skeleton	Palmares do Sul, RS
MUCIN 741	10 Oct 2013	complete skeleton	Xangri-lá, RS
MUCIN 838	1990	incomplete skeleton	Litoral do Paraná, PR
MUCIN 839	1992	incomplete skeleton	Pontal do Sul, PR
MUCIN 848	1990	complete skeleton	Litoral do Paraná, PR
MUCIN 849	1990	complete skeleton	Litoral do Paraná, PR
MUCIN 850	1990	complete skeleton	Litoral do Paraná, PR
MUCIN 851	08 Mar 1993	complete skeleton	Pontal do Sul, PR

Atlantic Yellow-nosed Albatross (*Thalassarche chlororhynchos*)

MCN 357	19 Sep 1994	complete skeleton	Mostardas, RS
MCN 558	16 Sep 1995	complete skeleton	Palmares do Sul, RS
MCP 108	20 Oct 1986	complete skull	Tavares, RS
MCP 114	Oct 1997	incomplete skeleton	Florianópolis, SC
MCP 624a	02 Jan 2001	incomplete skeleton	Capão da Canoa, RS
MCP 624b	02 Jan 2001	incomplete skeleton	Capão da Canoa, RS
MCP 817	16 Apr 2000	complete skeleton	Litoral Norte, RS
MCP 822	30 Mar 2000	complete skeleton	Litoral Norte, RS
MCP 3185	–	complete skeleton	Palmares do Sul, RS
MCP 3381	03 Oct 2010	incomplete skeleton	Florianópolis, SC
MCP 4132	04 Oct 2010	incomplete skeleton	Palmares do Sul, RS
MUCIN 027	21 Dec 2009	complete skeleton	Mostardas, RS
MUCIN 039	23 Oct 2010	incomplete skull	Palmares do Sul, RS
MUCIN 040	25 Nov 2009	incomplete skeleton	Mostardas, RS
MUCIN 041	17 Oct 2008	complete skull	Tramandaí, RS
MUCIN 042	04 Jan 2009	complete skull	Capão da Canoa, RS
MUCIN 043	23 Oct 2009	complete skull	Palmares do Sul, RS
MUCIN 044	26 Oct 2009	incomplete skull	Balneário Pinhal, RS
MUCIN 045	22 Oct 2002	complete skull	Litoral Norte, RS
MUCIN 087	27 Nov 2010	complete skeleton	Mostardas, RS
MUCIN 095	23 Nov 2006	complete skeleton	Capão da Canoa, RS
MUCIN 098	24 Set 2009	complete skeleton	Palmares do Sul, RS
MUCIN 214	15 May 2010	complete skeleton	Palmares do Sul, RS
MUCIN 223	06 Nov 2012	complete skeleton	Palmares do Sul, RS

MUCIN 225	16 Aug 2012	incomplete skeleton	Xangri-lá, RS
MUCIN 228	26 Oct 2009	complete skeleton	Cidreira, RS
MUCIN 256	27 Nov 2012	complete skeleton	Cidreira, RS
MUCIN 260	26 Oct 2009	incomplete skeleton	Cidreira, RS
MUCIN 288	14 Nov 2012	complete skull	Arroio do Sal, RS
MUCIN 317	14 Nov 2012	incomplete skull	Arroio do Sal, RS
MUCIN 360	16 Oct 2012	complete skeleton	Cidreira, RS
MUCIN 419	24 Sep 2010	complete skeleton	Mostardas, RS
MUCIN 420	26 May 2010	incomplete skeleton	Palmares do Sul, RS
MUCIN 421	19 Mar 2013	complete skeleton	Mostardas, RS
MUCIN 422	22 Apr 2010	complete skeleton	Tavares, RS
MUCIN 424	30 Dec 2011	incomplete skeleton	Imbé, RS
MUCIN 427	25 Oct 2009	complete skeleton	Palmares do Sul, RS
MUCIN 429	01 Aug 2013	complete skeleton	Osório, RS
MUCIN 579	27 Nov 2010	incomplete skull	Mostardas, RS
MUCIN 581	27 Nov 2010	incomplete skull	Mostardas, RS
MUCIN 582	27 Nov 2010	complete skull	Mostardas, RS
MUCIN 583	27 Nov 2010	incomplete skull	Mostardas, RS
MUCIN 584	30 May 2011	incomplete skull	Mostardas, RS
MUCIN 586	12 Dec 2013	complete skeleton	Cidreira, RS
MUCIN 587	25 Oct 2013	complete skeleton	Imbé, RS
MUCIN 646	27 Nov 2010	incomplete skull	Mostardas, RS
MUCIN 664	27 Nov 2010	complete skeleton	Mostardas, RS
MUCIN 666	27 Nov 2010	incomplete skull	Mostardas, RS
MUCIN 667	27 Nov 2010	complete skeleton	Mostardas, RS
MUCIN 669	29 Dec 2012	complete skeleton	Capão da Canoa, RS
MUCIN 813	17 Mar 2013	complete skeleton	Cidreira, RS
MUCIN 832	10 Oct 1992	incomplete skeleton	Pontal do Sul, PR
MUCIN 833	28 Jul 1993	incomplete skeleton	Pontal do Sul, PR
MUCIN 836	28 Jul 1993	incomplete skeleton	Pontal do Sul, PR
MUCIN 837	16 Jul 1993	incomplete skeleton	On Board at Pontal do Sul, PR

APPENDIX 2

Total specimens (*N*), minimum and maximum values, mean (*M*), standard deviation (*SD*) in millimeters for Black-browed and Atlantic Yellow-nosed Albatross. All measurements presented show morphometric differences between species that were statistically significant (Level of confidence = 95 %), except for those followed by this symbol (*), which were not statistically different ($P > 0.05$). See Table 1 for measurement abbreviations.

Measurement (mm)	Black-browed Albatross					Atlantic Yellow-nosed Albatross				
	<i>N</i>	min	max	<i>M</i>	<i>SD</i>	<i>N</i>	min	max	<i>M</i>	<i>SD</i>
1 TSKL	84	169.08	197.03	182.15	5.8	52	161.21	185.44	174.53	5.66
2 CL	88	56.59	68.44	61.40	5.78	52	52.49	62.02	57.83	2.00
3 UML	86	109.94	134.68	120.84	5.07	52	106.38	128.06	116.70	5.12
4 MWC	90	37.73	44.33	40.70	1.36	52	35.45	40.83	38.15	1.17
5 MXWC	89	50.52	65.84	60.09	2.66	52	52.50	58.83	56.29	1.62
6 CH	89	36.11	42.84	39.10	1.45	52	35.27	39.51	37.13	1.12
7 VWUMB	89	21.5	29.62	25.01	1.47	51	21.47	27.33	24.23	1.10
8 HUMB	89	28.72	35.40	32.13	1.59	51	26.43	37.96	29.31	1.80
9 DWUMB*	89	11.61	21.14	19.58	1.29	51	16.82	21.10	19.41	0.85
10 AW	76	20.72	34.65	30.37	3.00	47	21.10	31.28	26.94	1.94
11PW	90	48.04	57.32	52.12	1.99	51	46.15	51.89	48.85	1.49
12 FNW	90	19.25	33.94	22.16	1.60	51	18.20	27.37	20.59	1.30
13 IOW	90	3.87	12.91	6.36	1.26	52	2.26	10.31	7.52	1.45
14 NGFW	89	8.18	15.95	13.06	1.39	52	6.92	14.63	10.79	1.22
15 INW	89	12.95	29.37	16.65	2.83	52	10.87	17.57	13.04	1.23
16 BW	89	24.39	33.25	28.74	1.55	51	22.50	29.78	26.23	1.55
17 BH	87	36.58	46.58	41.73	1.98	51	34.20	40.72	37.81	1.54
18 TSL	72	88.23	103.73	94.06	3.31	35	75.70	92.35	82.79	4.24
19 MDS	72	103.42	123.03	112.29	4.68	35	89.63	111.04	100.28	5.17
20 SLLM	74	76.67	91.17	83.25	3.19	35	65.61	79.84	72.43	3.59
21 ML*	72	5.25	14.63	10.81	1.55	35	8.18	13.14	10.36	1.50
22 SLPK*	72	4.09	13.68	7.87	2.21	35	3.54	15.92	8.03	2.47

23 ASW	70	72.92	96.11	83.13	4.18	34	70.61	83.12	75.39	3.29
24 PSW	70	62.92	81.86	72.63	4.55	33	55.26	69.74	62.97	3.31
25 ASH	73	43.34	51.44	46.73	1.76	36	37.77	46.27	41.72	2.24
26 LSW	61	54.36	72.09	62.75	3.04	34	48.56	65.11	54.96	3.42
27 KL	73	70.48	93.72	77.34	3.60	36	57.49	78.54	66.69	4.37
28 AHK	73	26.69	46.70	31.09	2.78	36	22.96	33.11	27.52	2.30
29 COL	75	50.81	60.26	55.12	2.04	37	46.24	56.25	49.85	2.58
30 WCOB	75	22.05	27.99	24.86	1.33	37	18.35	25.54	21.92	1.64
31 FH	69	45.61	68.44	57.18	4.48	37	42.07	58.18	50.19	3.61
32 FW	68	69.43	83.50	75.73	3.24	36	60.06	71.91	66.98	2.70
33 SL	76	84.81	96.69	90.35	2.78	36	76.34	92.12	82.95	3.58
34 HL	75	253.25	271.74	266.38	6.87	37	233.83	266.84	248.26	7.64
35 DVWH	74	7.86	10.00	9.00	0.41	37	7.21	8.86	8.14	0.43
36 APWH	74	10.89	15.55	12.33	0.65	37	9.94	12.23	11.14	0.63
37 RL	74	248.69	277.10	263.01	6.68	34	231.95	266.84	247.75	8.38
38 UL	74	252.55	280.24	266.68	6.52	35	235.04	269.22	250.84	8.35
39 CML	68	83.36	110.30	102.22	3.90	32	87.67	104.03	95.77	3.83
40 APWC	68	4.74	6.80	5.91	0.37	32	4.49	6.15	5.33	0.39
41 DVWC	68	5.25	6.82	5.93	0.29	32	4.73	5.90	5.37	0.30
42 POL	61	41.86	51.56	46.60	2.07	31	38.66	46.68	41.84	1.96
43 PPL	67	46.83	57.39	51.38	1.85	32	42.51	52.39	47.27	2.20
44 DPL	66	42.28	58.01	52.39	3.05	31	37.30	53.61	47.79	3.27
45 WTL	65	699.40	782.50	739.35	19.44	31	638.48	736.75	689.90	23.27
46 APW	71	31.03	41.86	36.57	2.27	35	24.79	36.70	31.36	2.81
47 MPW	71	34.87	40.87	37.83	1.43	35	31.66	38.81	35.86	1.43
48 PPW	71	24.25	32.88	27.44	1.92	34	16.11	30.30	25.24	2.69
49 STL	71	107.80	124.87	114.36	3.79	34	91.65	110.76	99.47	4.28
50 ASYL	71	50.74	61.28	55.67	2.02	35	45.86	54.02	49.41	1.84
51 PSL	71	46.19	53.58	49.92	1.86	34	38.62	48.82	42.51	2.19
52 FL	71	71.65	84.65	78.28	2.77	35	65.38	76.65	72.57	2.58
53 APWF	71	6.43	8.36	7.22	0.36	35	5.63	7.38	6.49	0.39
54 LMWF	71	7.14	8.66	7.76	0.34	35	6.10	7.60	6.69	0.40
55 TLPC	70	157.90	178.64	167.10	4.69	35	141.86	163.18	151.49	5.53

56 TLLC	70	141.94	160.21	151.38	4.22	35	129.70	149.03	138.34	5.18
57 TML	76	80.58	97.64	85.14	2.79	34	75.55	87.57	80.89	2.66
58 APWT	76	5.82	7.03	6.51	0.28	33	5,26	6.63	5.84	0.29
59 LMWT	76	6.00	7.68	6.88	0.38	33	5.29	6.74	6.20	0.42
60 TLL	70	296.50	236.15	314.68	8.96	32	271.13	303.20	291.57	10.11
61 PPLM	70	46.72	54.12	50.07	1.47	33	38.03	49.77	45.55	2.09
62 MPLM	70	32.02	36.67	34.07	1.03	33	28.24	33.32	30.10	1.22
63 DPLM	68	21.64	27.74	24.03	1.06	33	19.39	23.39	21.39	1.07
64 MTL	67	101.28	117.43	108.18	3.07	33	91.02	106.26	97.04	3.79
